

MZG MACHINE TOOLS

MZG 机械工具

MZG Machine Tools



车削、铣削、螺纹及孔加工刀具夹具系统化解决方案!

Systematic Solution For Turning, Milling, Threading, and Hole Machining Tool Fixtures!

车削刀片

车削刀柄

铣削刀柄系统

铣刀杆
铣刀盘

铣刀锯片
成型刀

快速钻孔

镗孔加工系统

钻头
铰刀

螺纹铣削系统

丝攻板牙

车床卡盘

铣床虎钳

磨床磁盘

线切割配件

机械工具

抛光研磨

零配件

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索引

新产品介绍

NEW Product Introduction

车削用刀片 Turning Inserts

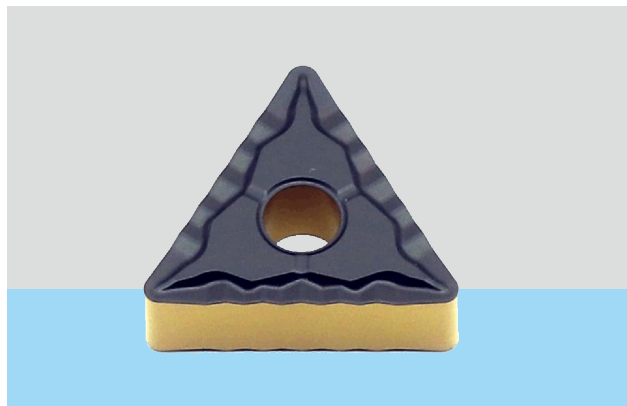
P类钢材加工用金属陶瓷
Metal ceramics for steel processing

ZN60/ZN90

☞ A01~A34

提高了金属陶瓷刀片的强韧及耐磨性能
保障稳定性及高质量的精加工光洁度面

Improved the strength, toughness, and wear resistance of metal ceramic blades. Ensure stability and high-quality precision machining smoothness surface



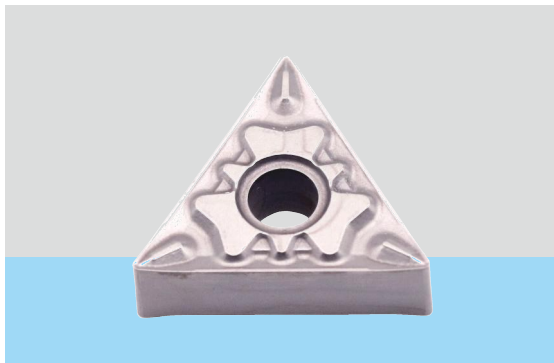
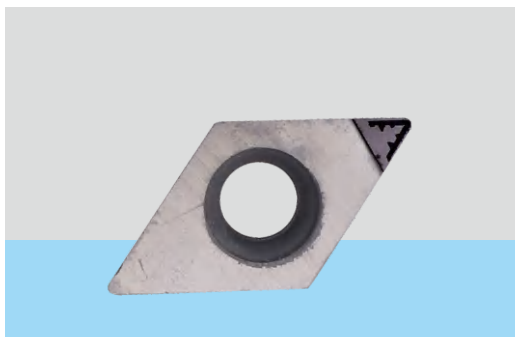
S/H类难切削材料硬质合金涂层
Hard alloy coatings for S/H class difficult to cut materials

ZP16S/ZP19S

☞ A01~A34

纳米级PVD涂层，适合加工HRC60°以下材料
耐热合金，钛合金，切削加工中，避免突发崩口异常

Nanoscale PVD coating, suitable for processing materials below HRC60 °
Heat-resistant alloy, titanium alloy, in cutting process, to avoid sudden fracture abnormalities



PVD+CVD复合硬质合金涂层
PVD+CVD Hard alloy composite coating

ZC32S

☞ A01~A34

在CVD涂层的基础上，覆盖了PVD涂层
丰富的产品规格可对应广泛的加工领域
适合钢材的各种工况加工
良好的耐磨性和抗崩性能

On the basis of CVD coating, PVD coating is covered
Rich product specifications can correspond to a wide range of processing fields. Suitable for various working conditions of steel processing. Good wear resistance and collapse resistance



PCD金刚石带断屑槽刀片
PCD diamond chip breaking groove Inserts

AL-PCD

☞ A01~A34

带三维断屑槽PCD金刚石刀片
从小切深到大切深，可大范围控制断屑

PCD diamond blade with 3D chip breaking groove
From small to large cutting depths, chip breakage can be controlled in a large range

小零件加工 Small parts processing

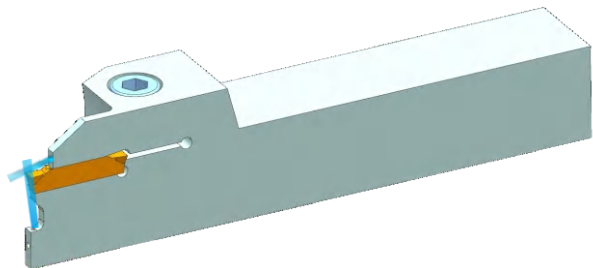
高压冷却供给数控车床用刀杆
High pressure cooling supply for CNC lathe tool holders

OH

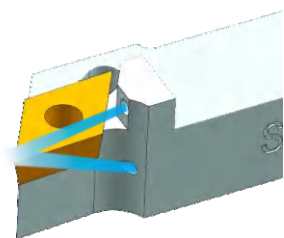
☞ A~AB~B

通过有/无配管方式进行冷却供给
多个冷却供给螺纹孔，可自由选择冷却供给方式。

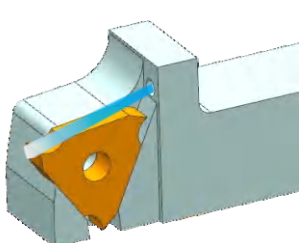
Cooling supply through with/without piping
Multiple cooling supply threaded holes allow for free selection of cooling supply methods.



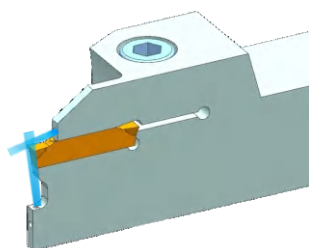
外圆
SDJCR..OH
Cylindrical Turning
☞ AB23



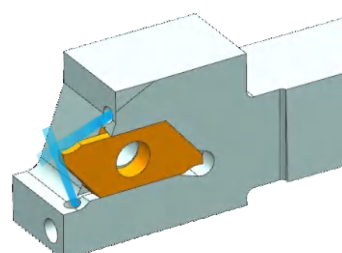
切槽
KTGFR..OH
Grooving
☞ B170



切断
MGEHR..OH
Cut-off
☞ B147



小零件加工
KTKFR..OH
Small Parts Processing
☞ AB48



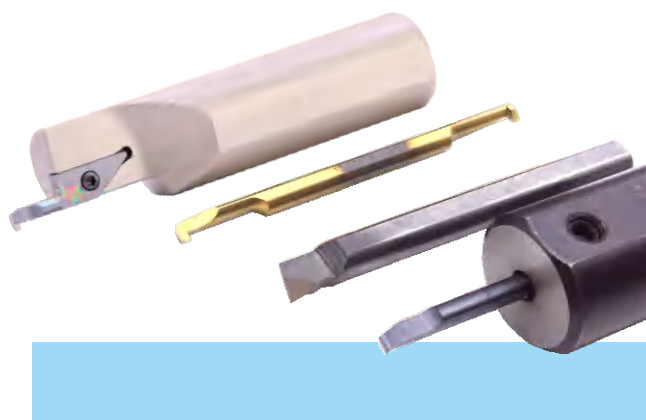
小内孔加工体系
Small inner hole processing system

MTR/SBFR

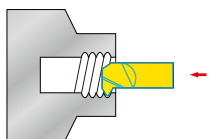
☞ AB55-AB60

产品规格齐全，涵盖镗孔，切槽，螺纹，成型刀具
应用材质：铜铝ZK01，钢件ZP151，不锈钢ZP20，
高硬度难切削材料ZP160

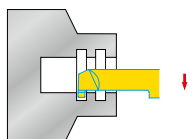
Product specifications are complete, covering boring, grooving, threading, and forming tools
Application material: copper aluminum ZK01, steel part ZP151, stainless steel ZP20, High hardness and difficult to cut material ZP160



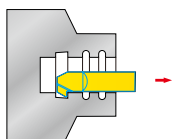
STIR
内孔牙刀
Internal Hole Thread Processing



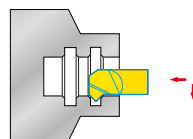
SBWR
内孔槽刀
Internal Hole Grooving



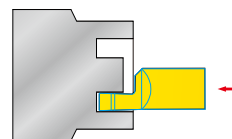
SBXR
内孔勾刀
Back Boring Cutter



SBCR
内孔镗及倒角-刀尖 90°
Boring + Chamfering 45°



SMFR
右端面槽刀
Right End Face Grooving



车削刀片

车削刀柄

铣削刀柄系统

铣刀杆 铣刀盘

铣刀 锯片 成型刀

快速钻头

镗孔加工系统

钻头

铰刀

螺纹铣削系统

丝攻板牙

车床卡盘

铣床虎钳

磨床磁盘

线切割配件

机械工具

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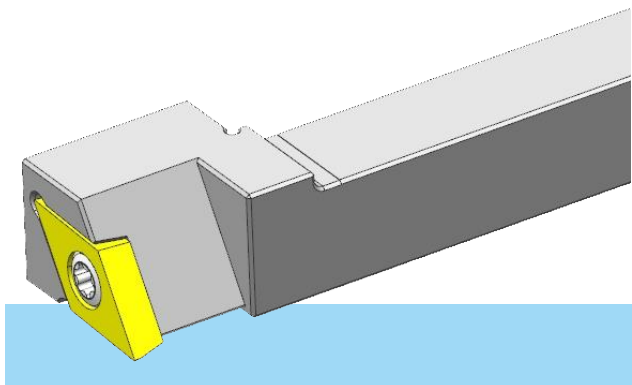
零配件

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- 铣刀
锯片
成型刀
- 快速
钻孔
- 镗孔
加工
系统
- 钻头
- 铰刀
- 螺纹
铣削
系统
- 丝攻
板牙
- 车床
卡盘
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工具
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Y 轴刀杆 Y-axis Turning Tool



Y轴控制车削加工系统
Y-axis control turning machining system

Y

👉 AB17~AB20

前车削、后车削、螺纹、切槽切断全系列库存
多种刀片槽型及材质广泛应用

Full series inventory of front turning, rear turning, threading, and groove cutting. Widely used in various blade groove types and materials

内孔切槽 Internal Hole Grooving

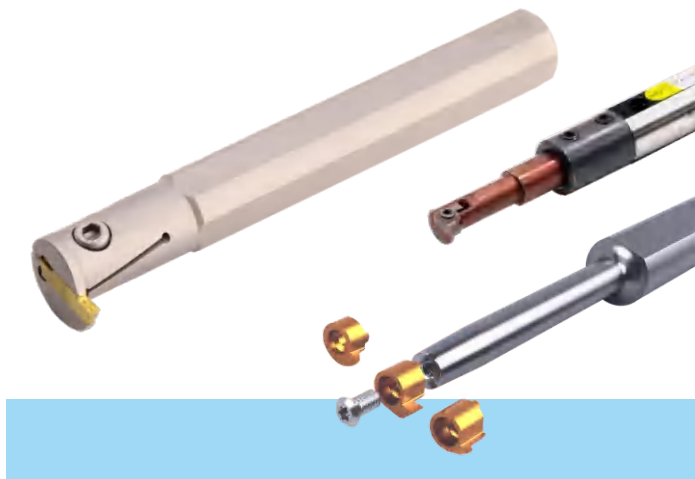
内孔切槽加工
Machining of inner hole grooves

SIGER / MB

👉 B177/AB71~AB74

产品规格齐全，涵盖各种品牌的切槽刀具
刀头应用：各种品牌体系刀具均适用
刀柄有钢制柄，硬质合金柄及高压内冷型

Complete product specifications, covering various brands of slot cutting tools. Tool head application: Suitable for various Inserts system tools. Toolholder include steel, hard alloy, and high-pressure internal cooling types



切槽切断 Cut-off / Grooving



切槽/切断加工系统
Grooving / Cut-off processing system

MGEHR / MGAH

👉 B141~B148 / B195~B200

外圆切槽，切断，端面切槽全系列产品在库
槽宽1.0mm-8.0mm切槽加工，切深5.0mm-50mm

The entire series of products for outer circular grooving, cut-off, and end face groove cutting are in stock.
Slot width 1.0mm-8.0mm, slot machining, cutting depth 5.0mm-50mm

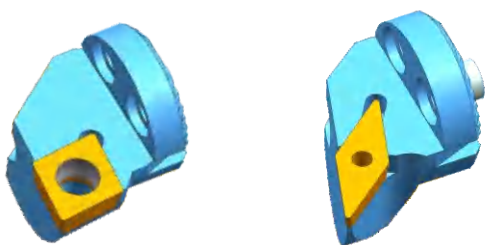
阻尼防震

Shockproof Toolholder

整体型 (柄径10~20mm在库)
Integral Type (10~20mm Stock)



模组带内冷结构 (柄径16mm以上在库)
Module with internal cooling structure
(In stock specifications of 16mm and above)



阻尼防震铣削刀具系统
Damping and shockproof milling tool system



车削/铣削阻尼防震加工系统

Turning/milling damping and shockproof machining system

MH

👉 B201~B216

可靠阻尼防震结构设计

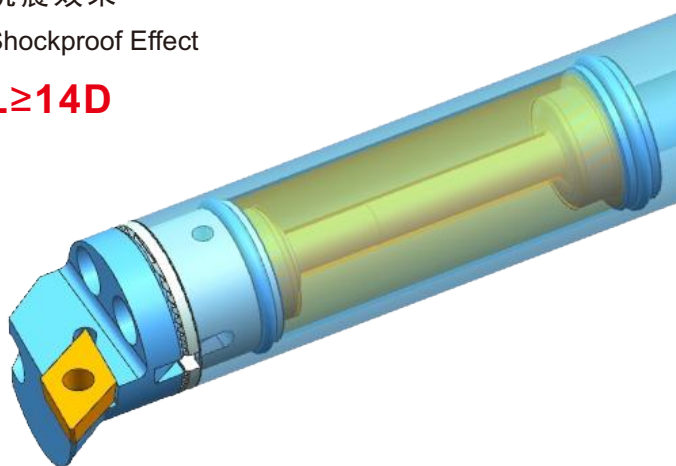
精密外圆车削、深孔加工、高速铣削加工

Reliable damping and shockproof structure design. Precision cylindrical turning, deep hole processing, high-speed milling processing

抗震效果

Shockproof Effect

L≥14D



阻尼防震镗孔加工系统

Damping and shockproof boring machining system



车削刀片

车削刀柄

铣削刀柄系统

铣刀杆铣刀盘

铣刀锯片成型刀

快速钻孔

镗孔加工系统

钻头

铰刀

螺纹铣削系统

丝攻板牙

车床卡盘

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- 铣刀 锯片 成型刀
- 快速钻孔
- 镗孔加工系统
- 钻头
- 铰刀
- 螺纹铣削系统
- 丝攻 板牙
- 车床卡盘
- 铣床虎钳
- 磨床磁盘
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钨钢钻头 Tungsten steel drill bit



高效率 钨钢涂层内冷钻头
High efficiency tungsten steel coated internal cooling drill bit

WGZT

☞ K67~K70

高效率+低成本=高性价比
0.1mm~13mm 整体（内冷）定柄钨钢钻头
涂层/不涂层及3D/5D/7D等各种长度满足加工场景

High efficiency+low cost=high cost-effectiveness
0.1mm-13mm overall (internally cooled) fixed shank tungsten steel drill bit. Coated/uncoated and various lengths such as 3D/5D/7D meet processing scenarios

高效率 钻尖

Drill Rush

MZJ

☞ K21~K28

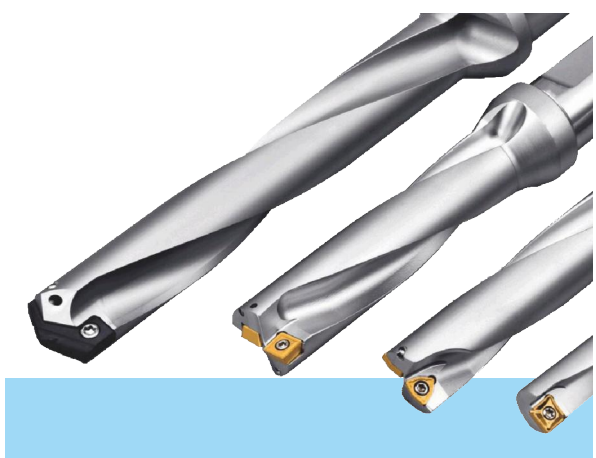
模块化钻头，规格齐全
各种刀具材质及涂层适应各种工况加工

Modular drill bits with complete specifications
Various tool materials and coatings are suitable for processing under various working conditions

皇冠钻头 Drill Rush



快速钻头 Quick drill bit



快速钻头加工系统
Rapid drilling system

WC / WD / SP / SO

☞ K05~K20

优秀的槽型设计，多种刀片解决各种工况
直径8.0mm-100mm，2D/3D/4D/5D在库任选

Excellent groove design, multiple blades to solve various working conditions
Diameter 8.0mm-100mm, 2D/3D/4D/5D optional in stock

螺纹铣刀 Thread milling cutter



整体型/刀片型 螺纹铣刀
Integral/Inserts type thread milling cutter

LWXD

L03~L26

M1.0~M30 整体硬质合金涂层、M10以上刀片型
材质：铜铝ZK01(ZK03S七彩涂层DLC)、不锈钢ZP20
钢件铸铁ZP151、难切削材料ZP153(ZP160高硬度)

M1.0~M30 overall hard alloy coating, blade types above M10
Material: Copper aluminum ZK01 (ZK03S seven color coating DLC), stainless steel ZP20, Steel parts, cast iron ZP151, difficult to cut material ZP153 (ZP160 high hardness)

整体 / 焊刃式 / 刀片型
Integral/Welding blade/Blade type

F03~F28

各种刀具材质及涂层适应各种工况加工
模块化铣刀，各种直角，各种角度，规格齐全

Various tool materials and coatings are suitable for processing under various working conditions
Modular milling cutters with various right angles and angles, complete specifications

铣刀杆刀盘 Milling Cutter Toolholder



铣削刀柄 / 刀盘
Milling Toolholder / Disc

4NKT / HNGX / ABPF

CD01~CD04

优秀的槽型设计，多种刀片解决各种工况
直径8.0mm-100mm，2D/3D/4D/5D在库任选

Excellent groove design, multiple blades to solve various working conditions
Diameter 8.0mm-100mm, 2D/3D/4D/5D optional in stock

车削刀片

车削刀柄

铣削刀柄系统

铣刀杆铣刀盘

铣刀锯片成型刀

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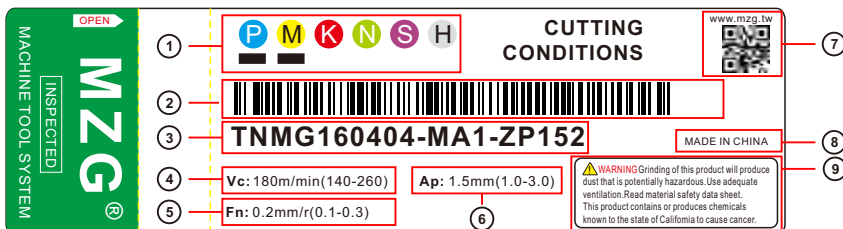
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包装盒标签说明

Packaging box label instructions

包装盒标签是选择与工件材料适合的刀片以及与此刀片适合的刀柄、提供适合于工件材料的切削参数、为客户的切削加工提供技术支持。

The packaging box label is used to select the blade and handle that are suitable for the workpiece material, provide cutting parameters that are suitable for the workpiece material. Provide technical support for customer cutting operations.



① 被加工工件材料分类

Material classification of processed workpieces

P : 钢(碳钢、合金钢)	Steel (carbon steel, alloy steel)
M : 不锈钢	Stainless steel
K : 铸铁	Cast iron
N : 铜铝等非铁金属	Non ferrous metals such as copper and aluminum
S : 钛合金、镍基合金	Titanium alloy, nickel based alloy
H : 高硬度难切削材料	High hardness and difficult to cut materials

② 产品规格条码

Product specification barcode

产品规格型号的条码，适用于销售及管理体系，扫描设备快速录入规格，大幅提升了工作效率。

The barcode for product specifications and models is suitable for sales and management systems, The scanning device quickly enters specifications, greatly improving work efficiency.

③ 产品规格型号

Product specification

产品规格型号遵循MZG数控刀具编码规则

The product specifications and models follow the MZG CNC tool coding rules

④ 切削速度范围 (单位: 米/分钟)

Cutting speed range (unit: m/min)

推荐切削速度及范围，需考虑实际工况。

Recommended cutting speed and range, taking into account actual working conditions.

⑤ 进给量范围

Range of feeds

通过刀片断屑槽的切削处理范围，设定的进给量，车刀为每转进给量 (单位: 毫米/转)，铣刀为每齿进给量 (单位: 毫米/齿)

The cutting processing range and set feed rate through the chip breaking groove of the blade, The turning tool has a feed rate per revolution (unit: mm/r), while the milling cutter has a feed rate per tooth (unit: mm/t)

⑥ 切削深度范围 (单位: 毫米)

Cutting depth range (unit: mm)

切削深度范围又名吃刀量，根据断屑槽的切削处理范围及实际工况，在范围值内取值

The cutting depth range, also known as the cutting depth, is based on the cutting treatment of the chip breaking groove Range and actual operating conditions, taking values within the range value

⑦ 官方网址

Official website

⑧ 生产地址

Place of production

⑨ 安全注意事项

Safety precautions

刀具使用寿命 tool life

切削速度对刀具寿命影响很大，参考刀具材料、切削条件与刀具寿命之间的关系，针对各工件材料，加工效率与质量进行各种参数的调整。

The cutting speed has a significant impact on the tool life, referring to the relationship between tool material, cutting conditions, and tool life, Adjust various parameters for the material, processing efficiency, and quality of each workpiece.

标签说明

Label State



P 碳钢/合金钢
N 铝/有色金属/非金属

M 不锈钢/钢铸件
S 钛合金/镍合金

K 灰口铸铁/球墨铸铁
H 淬硬钢/冷硬铸铁

工艺	分类记号	MZG	KYOCERA	DIJET	ZCC	mitsubishi	SANDVIK	SECO	SUMITOMO	DAEWOO	KENNAMETAL	ISCAR	KORLOY	HITACHI	TaeguTec	WALTER		
		材料	MZG	京瓷	黛杰	株洲钻石	三菱	山特维克	山高	住友电工	东芝	肯纳	伊斯卡	KORLOY	日立	特固克	瓦尔特	
CVD	P 钢	P01	ZC25	CA5505	JC110V		UE6005 UE6015	GC4005 GC4205	TP1000	AC700G AC810P	T9005	KC910 KC9105	IC8150 IC9150	NC3010 NC3020 NC3120 NC3030 NC5330 NC500H	HG8010 HG8025	TT8115 TT3500 TT5100 TT7100	WPP01 WPP05 WPP10 WPP20 WPP30	
		P10	ZC35 ZC250	CA5505 CA5515	JC110V JC215V JC730U	YBC151 YBC152	UE6110 UE8005 UE6010 UE6020	GC4015 GC3115 GC4215	TP1000 TP100	AC700G AC2000 AC820P	T9005 T9015 T9115	KC9010 KC9110	IC8150 IC9150 IC9250					
		P20	ZC35 ZC251 ZC2532 ZC32S	CA5515 CA5525 CR9025	JC110V JC215V JC730U	YBC251 YBC252	UC6010 UE6110 UE6020 F7030	GC4020 GC4025 GC4215 GC4225	TP2000 TP200	AC2000 AC3000 AC820P	T9015 T9025 T9125	KC8050 KC9025 KC9125	IC8150 IC9150 IC9250 IC9350					
		P30	ZC251 ZC2532 ZC32S	CA5525 CA5535 CR9025	JC215V JC325V	YBC351 YBM251	UE6035 UH6400 F7030	GC4030 GC4225 GC4230 GC4235	TP2500 TP200 TP300	AC3000 AC630M AC830P	T9025 T9035 T3130	KC5025 KC9040 KC9140	IC635 IC8350 IC9350					
		P40	ZC32S	CA5535	JC325V JC540V	YB235	UE6035 UH6400	GC4235	TP40	AC630M AC830P	T9035	KC9045 KC9240	IC635					
	M 不锈钢	M10	ZM25	CA6515	JC110V	YBM151	US7020	GC2015	TP100	AC610M	T9015 T9115	KC9110 KC9210	IC9250 IC9350	NC9020 NC9025	GM25 GX30	TT5100	WAM20 WAM30	
		M20	ZM25 ZM35	CA6525	JC730U JC1341	YBC251 YBC252 YBM251	US7020 F7030	GC2025 GC2030	TM2000 TP200	AC610M AC630M	T6020 T9025 T9125	KC9125 KC9225	IC9250 IC9350					
		M30	ZM25 ZM35		JC215V JC325V JC525X	YBC351 YBM351	US735 F7030	GC2035	TM4000 TP300	AC630M	T6030 T3130	KC9040 KC9230 KC9240	IC4050					
		M40	ZM35		JC325V JC450V	YB235			TP40			KC9045 KC9245						
	K 铸铁	K01	ZK50 ZK50S	CA4010 CA4505 CA5505	JC105V JC600 JC050W		UC5105 UC5015	GC3205 GC3210	TX100	AC300G AC410K	T5105 T5010	KC5410 KC9315 KC9150	IC428 IC9007 IC9150	NC8105 NC315K	HG3305 HG3315 GM8015 GM8020	TT7310 TT1300	WAK10 WAK20	
		K10	ZK50/ZK50S ZK352 ZK501	CA4115 CA4515 CA5505	JC110V JC600 JC610	YBC151 YBC152 YBD151	UC5015 UC5115 UE6010	GC3205 GC3210 GC3215	TK1000 TX150	AC700G AC410K	T5115 T5010 T1015	KC7310 KC9010 KC9320	IC418 IC428 IC9015					
		K20	ZK352 ZK501 ZK502	CA4115 CA4120 CA4515	JC110V JC215V JC610	YBC251 YBC252	UE6010	GC3020 GC3215 K20W	TK2000 TX150 TP200	AC700G AC820P AC420K	T5115 T5125 T5020	KC9025 KC9120 KC9325	IC418 IC9015					
		K30	ZK502 ZK503		JC215V JC610			GC3040	TP200		T5125 T9125							
	PVD	P 钢	P01	ZP15 ZP15A	PR915 PR1005	JC5003				ACZ150				PC230 PC3535 PC3500 PC3545	IP2000 IP3000	TT5030	WTA43 WTA41	
			P10	ZP15/ZP151 ZP201 ZP152 ZM30/ZM36 ZP680 ZM856	PR930 PR1005 PR1025 PR1115 PR1215 PR1225	JC5003 JC5030	YBG102	VP10MF	GC1025	CP200	ACZ310	AH710	KC5010 KC5510 KU10T					IC507 IC807 IC907
			P20	ZP152 ZP153 ZM36 ZM856 ZM860	PR930 PR1025 PR1115 PR1215 PR1225	JC5015 JC5030 JC5040	YBG201 YBG202 YBG252	VP15TF VP20MF UP20M	GC1020 GC1025 GC4125	CP250	ACZ310 ACZ330 ACZ520U	AH710 AH725 AH730	KC5025 KC5525 KC7215 KC7315 KU25T					IC507 IC907 IC908
P30			ZM90/ZP16S ZP160 ZP163		JC5015 JC5040	YBG203 YBM252	VP15TF VP20MF UP20M	GC1020 GC1025 GC4125	CP500	ACZ330 ACZ350 ACZ530U	GH330 AH120 AH740	KC7015 KC7020 KC7235 KU25T	IC328 IC928 IC3028					
P40			ZM90/ZP16S ZP19S ZP163		JC5040	YB235		GC1120 GC2145	CP500	ACZ350	AH740 J740	KC7030 KC7040 KC7140	IC328 IC3028					
M 不锈钢		M10	ZP15 ZP152 ZM36 ZM856	PR915 PR1025 PR1215 PR1225	JC5003	YBG201	VP10MF	GC1005 GC1025	TS2000 CP200	EH510Z ACZ150 AC510U	AH710	KC5010 KC5510 KC6005 KC6015	IC507 IC520 IC907	PC8110 PC5300 PC9030	IP50S IP100S	TT5030	IC908 IC907 IC908 IC3028	
		M20	ZP152 ZP153 ZM36 ZM856 ZM860	PR915 PR1025 PR1125 PR1215 PR1225	JC5015 JC5030 JC5040	YBG201 YBG202 YBM252	VP15TF VP20MF UP20M	GC2030 GC4125	TS2500 CP200 CP500	EH520Z ACZ150 ACZ310 AC520U	AH725 GH330 GH730 SH730	KC5025 KC5525 KC7020 KC7025	IC308 IC507 IC907 IC908 IC3028					
		M30	ZP153 ZP16S ZP160 ZM860	PR1125	JC5015 JC5030 JC5040	YBG203 YBG302 YB235	VP15TF VP20MF UP20M	GC1020 GC1120 GC2035	CP500	ACZ330 ACZ350 AC530U	AH120	KC7030 KC7225	IC908 IC1008 IC1028 IC3028					
		M40	ZP19S ZP160 ZP163					GC2145		ACZ350	J740		IC928					
		K 铸铁	K01	ZP15A		IC5003	YBG102			EH10Z	AH110							IC910
K10	ZP15 ZM36 ZM860	PR905 PR1215	JC5003 JC5015	YBG201 YBG202	VP05RT	GC1010	TS2000 CP200	EH10Z EH510Z AC510U	GH110 AH110	KC5010 KC7210	IC507 IC908							
K20	ZP153 ZM36/ZP16S ZM860	PR905 PR1215	JC5015	YBG302 YBGM252	VP10RT VP15TF	GC1020 GC1120	TS2500 CP200 CP250	EH20Z ACZ310 AC520U	AH120 AH725	KC7015 KC7215 KC7315	IC507 IC908							
K30	ZM860 ZP19S				VP15TF	GC4125	CP500	ACZ310		KC7225	IC508 IC3028							
Cermet	金属陶瓷	P01	ZN60 ZN90	TN30 PV30 TN6010 PV7010	LN10 CX50	YNG151C	NX1010			T110A	NS520 GT530 GT720	KT1120 KT125 HTX	IC20N IC520N	CN1000	CH350 CZ25 CH530 CH550 CH570	PV3010 CT3000		
		P10	ZN60 ZN60A ZN90 ZN90A	TN60 TN6010 TN6020 PV7010 PV7020 PV7025	LN10 CX50 CX75 NIT	YNG051 YNG151	NX2525 AP25N	CT5015 CT525	CM	T2000Z T1200A T1500A	NS520 AT530 GT530 GT730	KT315 KT175 HT2	IC20N IC520N IC530N IC75T					
		P20	ZN60A ZN60V ZN90A ZN90V	TN90 TN6020 PV7020 PV7025	CX50 CX75 CX90 NAT		NX2525 NX3035 AP25N UP35N	CT530 GC1525		T1200A T1500A T2000Z T3000Z	NS530 NS730 AT530 GT530 GT730	PS5 KT5020	IC20N IC520N IC530N IC75T IC30N					
		P30	ZN60V ZN90V		CX90 CX99 SUZ		NX4545 VP45N			T3000Z	NS740		IC75T IC30N					
Carbide	硬质合金	ZK01 ZK01A	PW30 KW10 GW15 VW50	SRT DX30 DX35 SR30 KG03	YC10 YC30S YC40 YD201	ST110T ST120 HT105T HT110 HT120T	S1P SMA SM30 S6	S10M S25M S60M S83 S90 HX	ST10P ST20E A30N A30 A30 ST30E H2 H1	TX10S TS20 TX25 TX30 UX30 TX40 TH03	KS2885 K125M KMF PVA K68 K313	IC70 IC50M IC54 IC20 IC10 IC28	H01 H05 H10 G10 ST10	SRN5 WS20B EX35 WH05 EX40 W10 G10 WAM10B EX35	P10 M40 P20 K10 P30 K20 M10 K20M M20 K30			

- 车削刀片
- 车削刀柄
- 铣削刀柄系统
- 铣刀杆 铣刀盘
- 铣刀 锯片 成型刀
- 快速钻孔
- 镗孔加工系统
- 钻头
- 铰刀
- 螺纹铣削系统
- 丝攻板牙
- 车床卡盘
- 铣床虎钳
- 磨床磁盘
- 线切割配件
- 机械工具
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金属陶瓷 Cermet

金属陶瓷的主要成分为Ti系碳化物、氮化物，被称为Ti系硬质合金

The main components of cermets are Ti based carbides and nitrides, known as Ti based hard alloys

材质 Material	工件材料 Workpiece Material	线速度 Vc (m/min)	主要成分 Composition	颜色 Colour	特长/用途 Specialties/Purpose		
ZN60	 ▲ 第一推荐 BEST 钢	低碳钢 P01-P10	150~600	Cermet	银色 Silvery 	超微粒高强度，良好的抗崩损性与高耐磨性的金属陶瓷，广泛覆盖了钢的精加工到粗加工领域。 Ultrafine particles have high strength, good resistance to collapse and high wear resistance, and are widely used in the fields of precision machining to rough machining of steel.	
		高碳钢 P20-P30	150~350				
	 不锈钢	不锈钢 Stainless Steel	200~300				
		 铸铁	灰口铸铁 Grey Cast Iron				100~300
			球墨铸铁 Nodular cast iron				100~200
ZN60V	 ▲ 第一推荐 BEST 钢	低碳钢 P01-P10	150~700	Cermet+ Nano Coating	金色 Silvery 	ZN60金属陶瓷木材基础上覆膜耐磨损性与耐高温粘性的纳米涂层，提升了刀具寿命与效率。 The nano coating of ZN60 metal ceramic wood is coated with film for wear resistance and high-temperature resistance, which improves tool life and efficiency.	
		高碳钢 P20-P30	150~450				
	 不锈钢	不锈钢 Stainless Steel	200~500				
		 铸铁	灰口铸铁 Grey Cast Iron				100~400
			球墨铸铁 Nodular cast iron				100~300
ZN90	 ▲ 第一推荐 BEST 钢	低碳钢 P01-P10	150~800	Cermet	银色 Silvery 	研磨精密级刀片材质，超微粒高强度，高耐磨性的金属陶瓷，超精密加工领域。 Grinding precision grade blade material, ultra-fine particles with high strength and high wear resistance of metal ceramics, in the field of ultra precision machining.	
		高碳钢 P20-P30	150~500				
	 不锈钢	不锈钢 Stainless Steel	200~350				
ZN90V	 ▲ 第一推荐 BEST 钢	低碳钢 P01-P10	150~700	Cermet+ Nano Coating	金色 Silvery 	ZN90研磨精密级刀片材质的母材基体，超微粒高强度，高耐磨性的金属陶瓷，超精密加工领域。 Zn90 is a base material for grinding precision grade blade materials, a metal ceramic with ultra-fine particles, high strength, and high wear resistance, used in the field of ultra precision machining.	
		高碳钢 P20-P30	150~450				
	 不锈钢	不锈钢 Stainless Steel	200~500				

CVD涂层硬质合金 CVD

CVD涂层硬质合金是以CVD法（化学涂层）在硬质合金表面覆膜涂层。韧性高的硬质合金上覆膜高硬度与耐磨性良好的Ti系（TiC, TiN, TiCN, TiAlN等）涂层。特点：高韧性、抗崩性能良好，多种三维断屑槽，适应低速~高速、精~粗加工的切削需求。

CVD coated hard alloy is a film coating on the surface of hard alloy using the CVD method (chemical coating). Ti series (TiC, TiN, TiCN, TiAlN, etc.) coatings with high hardness and good wear resistance are coated on hard alloys with high toughness. Features: High toughness, good anti collapse performance, various 3D chip cutting grooves, suitable for cutting needs from low speed to high speed, precision to rough machining.

材质 Material	工件材料 Workpiece Material	线速度 Vc (m/min)	主要成分 Composition	颜色 Colour	特长/用途 Specialties/Purpose
ZC250	 低碳钢 P01-P10 ▲ 第一推荐 BEST	70~500	TiCN+Al ₂ O ₃ +TiN	黄色 Yellow 	具有优异的抗崩性能，适应于较软材料的低速粗~精的切削加工 Excellent anti collapse performance, suitable for low-speed coarse to fine cutting of softer materials
	高碳钢 P20-P30	70~250			
ZC251	 低碳钢 P01-P20	150~500	TiCN+Al ₂ O ₃ +TiN	黑色 Black 	具有优异的抗崩性能，适应于较硬材料的高速粗~精的切削加工 Excellent anti collapse performance, suitable for high-speed rough to fine cutting of harder materials
	高碳钢 P30-P40 ▲ 第一推荐 BEST	80~350			
ZC32S	 低碳钢 P01-P20 ▲ 第一推荐 BEST	150~600	TiCN+Al ₂ O ₃ +TiN	双色 Black+Yellow 	采用提高耐磨损性的CVD涂层、母材，具备良好的抗崩损性，耐粘着性和抗崩损性，适用于钢材的各种工况加工。 Adopting CVD coating and base material to improve wear resistance, it has good resistance to collapse, adhesion and collapse, and is suitable for various working conditions of steel processing.
	高碳钢 P30-P40 ▲ 第一推荐 BEST	100~400			
ZC36S	 低碳钢 P01-P20	150~500	TiCN+Al ₂ O ₃ +TiN	双色 Black+Yellow 	耐磨损性的CVD涂层、母材，具备良好的抗崩损性，耐粘着性和抗崩损性，适用于钢材的各种工况加工。 The wear-resistant CVD coating and base material have good resistance to collapse, adhesion, and collapse, suitable for various working conditions of steel processing.
	高碳钢 P30-P40 ▲ 第一推荐 BEST	90~350			
ZK50	 灰口铸铁 Grey Cast Iron ▲ 第一推荐 BEST	200~300	TiCN+Al ₂ O ₃ +TiN	黑色 Yellow 	具有优异的抗崩性能，适应于较软材料的低速粗~精的切削加工 Excellent anti collapse performance, suitable for low-speed coarse to fine cutting of softer materials
	球墨铸铁 Nodular cast iron	150~200			
ZK50S	 灰口铸铁 Grey Cast Iron	200~350	TiCN+Al ₂ O ₃ +TiN	双色 Black+Yellow 	具有优异的抗崩性能，适应于较硬材料的高速粗~精的切削加工 Excellent anti collapse performance, suitable for high-speed rough to fine cutting of harder materials
	球墨铸铁 Nodular cast iron ▲ 第一推荐 BEST	150~250			

车削刀片

车削刀柄

铣削刀柄系统

铣刀杆 铣刀盘

铣刀 锯片 成型刀

快速钻孔

镗孔加工系统

钻头

铰刀

螺纹铣削系统

丝攻 板牙

车床卡盘

铣床虎钳

磨床磁盘

线切割配件

机械工具

抛光研磨

零配件

技术资料





索引

PVD涂层硬质合金 PVD

PVD涂层硬质合金是以PVD法（物理涂层）在硬质合金表面覆膜涂层。材质韧性强，可对应精密刀尖，适用于小零件及切槽等精密加工的刀具领域。特点：刀尖强度及锋利性得以加强，多种三维断屑槽，实现高品质、高精度加工的切削需求。

PVD coated hard alloy is a film coating on the surface of hard alloy using the PVD method (physical coating). The material has strong toughness and can correspond to precision tool tips, suitable for the field of precision machining tools such as small parts and grooves. Features: The strength and sharpness of the tool tip are enhanced, and various 3D chip cutting grooves are available to meet the cutting requirements of high-quality and high-precision machining.

材质 Material	工件材料 Workpiece Material	线速度 Vc (m/min)	主要成分 Composition	颜色 Colour	特长/用途 Specialties/Purpose
ZM36	 低/中碳钢 P01-P30	70~260	TiAlN	黑色 Black 	纳米结构AlTiN黑色物理涂层，偏向于加工硬度稍微高点及纯度不好的钢或不锈钢，比如201材质,304及316的锻打料
	 高碳钢 P30-P40	20~60			
	 不锈钢 Stainless Steel ▲ 第一推荐 BEST	80~200			
ZM36H	 低/中碳钢 P01-P30	100~300	TiAlN	古铜色 Bronze 	纳米结构AlTiN古铜色物理涂层，偏向于加工304及316纯度较好的不锈钢，适合加工的材料硬度较高。 The nanostructured AlTiN copper colored physical coating tends to process 304 and 316 stainless steel with better purity, and the materials suitable for processing have higher hardness.
	 高碳钢 P30-P40	90~250			
	 不锈钢 Stainless Steel ▲ 第一推荐 BEST	90~200			
ZM860 (ZP680)	 低/中碳钢 P01-P20	60~300	TiAlN	黑色 Black 	纳米结构AlTiN黑色物理涂层，适合小零件精密加工及螺纹刀片，广泛应用于不锈钢，铸铁，高硬度及难切削材料领域。 Nano structured AlTiN black physical coating, suitable for precision machining of small parts and threaded blades, widely used in stainless steel, cast iron, high hardness and difficult to cut materials.
	 高碳钢 P20-P30	80~200			
	 不锈钢 Stainless Steel	90~230			
	 铸铁 Cast iron	150~300			
 钛高温合金 Titanium high-temperature alloy ▲ 第一推荐 BEST	20~60				
ZP10 (ZP10A)	 低/中碳钢 P01-P20	60~200	TiAlN	黑色 Black 	纳米结构AlTiN黑色物理涂层，适合小零件精密加工及螺纹刀片。 Nano structured AlTiN black physical coating, suitable for precision machining of small parts and threaded blades.
	 高碳钢 P20-P30	50~160			
	 不锈钢 Stainless Steel	50~160			
	 铸铁 Cast iron	150~200			

材质 Material	工件材料 Workpiece Material	线速度 Vc (m/min)	主要成分 Composition	颜色 Colour	特长/用途 Specialties/Purpose
ZP15	 钢 低/中碳钢 P01-P20	60~250	TiAlN	黑色 Black 	硬质合金基体搭配热稳定性好的PVD含硅涂层，摩擦系数小，硬度高。连续工况下钢件及不锈钢材料的半精加工。 The hard alloy matrix is paired with a PVD silicon coating with good thermal stability, resulting in low friction coefficient and high hardness. Semi precision machining of steel parts and stainless steel materials under continuous working conditions.
	 不锈钢 高碳钢 P20-P30	70~160			
	 不锈钢 不锈钢 Stainless Steel	60~150			
ZP152	 钢 低/中碳钢 P01-P20	130~280	TiAlN	紫红色 Purplish Red 	超细微粒硬质合金基体，好的刃口强度搭配热稳定性好的PVD含硅涂层，摩擦系数小，硬度高。连续工况下不锈钢材料的半精车削加工及切槽加工；钢、不锈钢材料的铣削及钻削加工 Ultrafine particle hard alloy matrix, with good blade strength and PVD silicon coating with good thermal stability, low friction coefficient and high hardness. Semi precision turning and groove cutting of stainless steel materials under continuous working conditions; Milling and drilling of steel and stainless steel materials
	 不锈钢 高碳钢 P20-P30	100~200			
	 不锈钢 不锈钢 Stainless Steel	90~200			
ZP153 (ZP151)	 钢 低/中碳钢 P01-P30	150~300	TiAlN	黑色 Black 	超细微粒硬质合金基体，搭配全新的PVD AlTiN涂层，具有摩擦系数小，抗氧化温度高，纳米硬度高，突出的耐磨和通用性能等优点。适用于钢、不锈钢材料 The ultrafine particle hard alloy matrix has excellent edge strength, paired with a brand new PVD AlTiN coating, and has advantages such as low friction coefficient, high oxidation resistance temperature, high nano hardness, outstanding wear resistance and universal performance. Suitable for steel and stainless steel materials
	 不锈钢 高碳钢 P30-P40	110~200			
	 不锈钢 不锈钢 Stainless Steel	100~250			
ZP160 (ZP160H)	 钢 钢 Steel	60~280	TiAlN	金色 Golden 	超细微粒基体，配合抗高温涂层，比传统材质兼具更好的耐磨性和抗崩性。专注硬料(50HRC以上)，主要应用于模具行业，适用于热处理后模具钢、高硬度材料、高温合金及铸铁。 Ultrafine particle matrix, combined with high-temperature resistant coating, has better wear resistance and collapse resistance than traditional materials. Focusing on hard materials (above 50HRC), mainly used in the mold industry, suitable for heat treated mold steel, high hardness materials, high-temperature alloys, and cast iron.
	 不锈钢 不锈钢 Stainless Steel	60~200			
	 铸铁 铸铁 Cast Iron	150~300			
	 钛合金 粉末冶金 Powder Metallurgy	20~50			
	 高硬度 钛高温合金 Titanium high-temperature alloy	30~80			
ZP163	 钢 钢 Steel	60~300	TiAlN	黑色 Black 	高Co含量超细硬质合金基体，具有高的刃口强度，搭配PVD的AlTiN涂层，具有突出的耐磨性能；适合高硬度钢件及铸铁材料的轻型铣削加工 High Co content ultrafine hard alloy matrix with high Insert strength, combined with PVD AlTiN coating, has outstanding wear resistance; Suitable for processing high hardness steel parts and cast iron materials
	 不锈钢 不锈钢 Stainless Steel	60~180			
	 铸铁 铸铁 Cast Iron	100~200			
	 钛合金 粉末冶金 Powder Metallurgy	20~50			
	 高硬度 钛高温合金 Titanium high-temperature alloy	30~80			

车削
刀片车削
刀柄铣削
刀柄
系统铣刀杆
铣刀盘铣刀
锯片
成型刀快速
钻孔镗孔
加工
系统

钻头

铰刀

螺纹
铣削
系统丝攻
板牙车床
卡盘铣床
虎钳磨床
磁盘线切割
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PVD涂层硬质合金 PVD

材质 Material	工件材料 Workpiece Material	线速度 Vc (m/min)	主要成分 Composition	颜色 Colour	特长/用途 Specialties/Purpose	
ZP135	 钢 ▲ 第一推荐 BEST	低/中碳钢 P01-P20	TiAlN	黑色 Black 	纳米结构AlTiN涂层, 结合高红硬性及抗塑性变形能力的基体, 具有优越的抗高温气化性能以及抗粘结磨损性能。适合HRC40°以下钢, 不锈钢加工 The nanostructured AlTiN coating, combined with a matrix with high red hardness and plastic deformation resistance, has superior high-temperature gasification resistance and adhesive wear resistance. Suitable for processing steel below HRC40 ° C and stainless steel	
		高碳钢 P20-P30				70~170
	 不锈钢	不锈钢 Stainless Steel	50~160			
ZP135M	 钢	低/中碳钢 P01-P20	TiAlN	黑色 Black 	纳米结构AlTiN涂层, 结合高红硬性及抗塑性变形能力的基体, 具有优越的抗高温氧化性能以及抗粘结磨损性能。适用于钢, 不锈钢的低到中速通用加工 The nanostructured AlTiN coating, combined with a matrix with high red hardness and plastic deformation resistance, has superior high-temperature oxidation resistance and adhesive wear resistance. Suitable for low to medium speed universal processing of steel and stainless steel	
		高碳钢 P20-P30				80~190
	 不锈钢 ▲ 第一推荐 BEST	不锈钢 Stainless Steel	80~200			
ZP16S	 钢	钢 Steel	TiAlN	彩色 Multicolour 	纳米结构AlTiN涂层, 结合高红硬性及抗塑性变形能力的基体, 适用于不锈钢, 钛合金, 粉末冶金, 高硬度加工 Nanostructured AlTiN coating, combined with a matrix with high red hardness and plastic deformation resistance, suitable for stainless steel, titanium alloys, powder metallurgy, and high hardness processing	
	 不锈钢	不锈钢 Stainless Steel				90~200
	 铸铁	铸铁 Cast Iron				90~230
	 钛合金 ▲ 第一推荐 BEST	粉末冶金 Powder Metallurgy				20~60
	 高硬度 ▲ 第一推荐 BEST	钛高温合金 Titanium high-temperature alloy				30~90
ZP19S	 钢	钢 Steel	TiAlN	彩色 Multicolour 	纳米结构AlTiN黑色物理涂层, 结合高红硬性及抗塑性变形能力的基体, 适用于不锈钢, 钛合金, 粉末冶金, 高硬度高速切削精加工 Nano structured AlTiN black physical coating, combined with a matrix with high red hardness and plastic deformation resistance, suitable for stainless steel, titanium alloy, powder metallurgy, high hardness high-speed cutting and precision machining	
	 不锈钢	不锈钢 Stainless Steel				100~230
	 铸铁	铸铁 Cast Iron				100~300
	 钛合金 ▲ 第一推荐 BEST	粉末冶金 Powder Metallurgy				20~60
	 高硬度 ▲ 第一推荐 BEST	钛高温合金 Titanium high-temperature alloy				30~100

材质 Material	工件材料 Workpiece Material	线速度 Vc (m/min)	主要成分 Composition	颜色 Colour	特长/用途 Specialties/Purpose	
ZP20 (ZP20A)	 第一推荐 BEST	低/中碳钢 P01-P20	TiAlN	黄色 Yellow 	超细微粒硬质合金基体，好的刃口强度搭配PVD含硅涂层，摩擦系数小，硬度高。适合HRC30°以下钢材的切削加工。 Ultrafine particle hard alloy matrix, with good blade strength and PVD silicon coating, low friction coefficient and high hardness. Suitable for cutting steel below HRC30 °	
		高碳钢 P20-P30				70~160
ZP20M	 第一推荐 BEST	钢 Steel	TiAlN	金色 Golden 	超细晶硬质合金基体,结合纳米结构的复合涂层,具有高的耐磨性和抗高温红硬性。适合不锈钢、耐热合金以及合金等难加工材料的稳定工况下加工。 The ultra-fine grained hard alloy matrix, combined with a composite coating of nanostructures, has high wear resistance and high-temperature resistance to red hardness. Suitable for stable processing of difficult to machine materials such as stainless steel, heat-resistant alloys, and alloys.	
	 第一推荐 BEST	不锈钢 Stainless Steel				80~210
	 第一推荐 BEST	铸铁 Cast Iron				70~200
	 第一推荐 BEST	粉末冶金 Powder Metallurgy				20~50
	 第一推荐 BEST	钛高温合金 Titanium high-temperature alloy				30~70
ZP25	 第一推荐 BEST	钢 Steel	TiAlN	金色 Golden 	超细微粒硬质合金基体，多种三维设计高强度刃口搭配PVD含硅涂层，摩擦系数小，硬度高。适合钢，不锈钢，铸铁的加工。 Ultrafine particle hard alloy matrix, multiple three-dimensional design high-strength cutting edges paired with PVD silicon coating, low friction coefficient, and high hardness. Suitable for processing steel, stainless steel, and cast iron	
	 第一推荐 BEST	不锈钢 Stainless Steel				80~230
	 第一推荐 BEST	铸铁 Cast Iron				70~250

车削刀片

车削刀柄

铣削刀柄系统

铣刀杆
铣刀盘铣刀
锯片
成型刀快速
钻孔镗孔
加工系统

钻头

铰刀

螺纹
铣削系统丝攻
板牙车床
卡盘铣床
虎钳磨床
磁盘线切割
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硬质合金 Cemented Carbide

硬质合金的耐磨特性广泛应用于铜铝非铁金属及铸铁的加工领域。

The wear-resistant properties of hard alloys are widely used in the processing of copper, aluminum, non-ferrous metals, and cast iron.


材质 Material	工件材料 Workpiece Material	线速度 Vc (m/min)	颜色 Colour	特长/用途 Specialties/Purpose
ZK01 (ZK01A)	 ▲ 第一推荐 BEST	镁/锌/塑料/木材 Magnesium/Zinc/Plastic/Wood	1000~2500	 高耐磨性的硬质合金基体与特殊的三维断屑槽型结合，具有良好的耐磨性和断屑效果。广泛应用于铜铝非铁金属的加工。 The combination of a high wear resistance hard alloy matrix with a special three-dimensional chip breaking groove has good wear resistance and chip breaking effect. Widely used in the processing of copper, aluminum, and non-ferrous metals.
		铝合金 HB=50~70	1000~2500	
		淬硬铝合金 HB=70~110	300~1000	
		铜合金 Copper Alloy	150~600	
		青铜 Bronze	150~300	
		有色金属 Mon-ferrous Metal	400~800	

- 车削刀片
- 车削刀柄
- 铣削刀柄系统
- 铣刀杆 铣刀盘
- 铣刀 锯片 成型刀
- 快速钻孔
- 镗孔加工系统
- 钻头
- 铰刀
- 螺纹铣削系统
- 丝攻板牙
- 车床卡盘
- 铣床虎钳
- 磨床磁盘
- 线切割配件
- 机械工具
- 抛光研磨
- 零配件
- 技术资料
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DLC涂层硬质合金 DLC

DLC涂层是在硬质合金母材上覆盖无定形碳的涂层。
特点：DLC涂层能达到金刚石的硬度以及好的表面，可实现铝合金的高效加工

DLC coating is a coating that covers amorphous carbon on a hard alloy base material.
Features: DLC coating can achieve the hardness and good surface of diamond, enabling efficient processing of aluminum alloys

材质 Material	工件材料 Workpiece Material	线速度 Vc (m/min)	颜色 Colour	特长/用途 Specialties/Purpose
ZK03S	镁/锌/塑料/木材 Magnesium/Zinc/Plastic/Wood	1000~2500		高耐磨性的硬质合金基体与特殊的DLC涂层工艺结合，耐磨性大幅度提升。广泛应用于铜铝非铁金属的加工。 The combination of a high wear resistance hard alloy matrix and a special DLC coating process greatly improves wear resistance. Widely used in the processing of copper, aluminum, and non-ferrous metals.
	铝合金 HB=50~70	1000~2500		
	淬硬铝合金 HB=70~110	300~1000		
	铜合金 Copper Alloy	150~600		
	青铜 Bronze	150~300		
	有色金属 Mon-ferrous Metal	400~800		



▲ 第一推荐 BEST

车削刀片

车削刀柄

铣削刀柄系统

铣刀杆
铣刀盘

铣刀锯片
成型刀

快速钻孔

镗孔加工系统

钻头

铰刀

螺纹铣削系统

丝攻板牙

车床卡盘

铣床虎钳

磨床磁盘

线切割配件

机械工具

抛光研磨

零配件

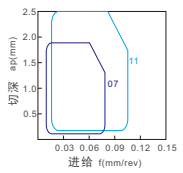
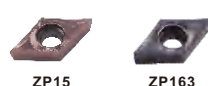




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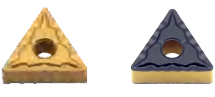
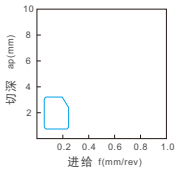


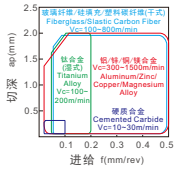

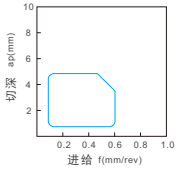
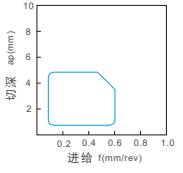


断屑槽型参数选择

Selection of chip breaking groove parameters

研磨级精加工槽型 Precision Grinding Processing Groove

断屑槽 Groove	应用 Application	切削参数 Cutting Parameters	槽型搭配材质 Groove matching material	特长/用途 Specialties/Purpose
1L	精加工 ~ 超精加工 Precision machining ~ Ultra precision machining			锋利的切削槽设计，不分左右手方向，适合于自动车床走心机的双向切削加工。 The sharp cutting groove design, regardless of left or right hand direction, is suitable for bidirectional cutting processing of automatic lathe walking machines.
MF-Q	精加工 ~ 超精加工 Precision machining ~ Ultra precision machining			加强切削槽设计，抗崩口能力提升，不分左右手方向，适合于自动车床走心机的双向切削加工。 Strengthening the design of cutting grooves, improving the ability to resist chipping, regardless of the left or right hand direction, suitable for bidirectional cutting processing of automatic lathes.
FN	精加工 ~ 超精加工 Precision machining ~ Ultra precision machining			双面锋利的断屑槽设计，锋利且抗崩口能力提升，不分左右手方向，适合于自动车床走心机的双向切削加工。 The double-sided sharp chip cutting groove design is sharp and has improved resistance to chipping, regardless of left or right hand direction. It is suitable for bidirectional cutting processing of automatic lathe walking machines.
R-F L-F	精加工 ~ 超精加工 Precision machining ~ Ultra precision machining			拥有控制切屑排出的导向排屑槽，尖锐切削刃低阻力，加工表面精度及质量高。 Equipped with a guided chip discharge groove for controlling chip discharge, sharp cutting edges with low resistance, and high machining surface accuracy and quality.
ER-U EL-U	精加工 ~ 超精加工 Precision machining ~ Ultra precision machining			在低进给条件下，即使切深变化也能控制切屑，低阻力加工表面质量高。 Under low feed conditions, chip control can be achieved even with changes in cutting depth, resulting in high surface quality during low resistance machining.
R-Y L-Y	精加工 ~ 超精加工 Precision machining ~ Ultra precision machining			刀尖锋利，低阻力切削，能够获得质量高的加工面。小进给量切削条件下切屑处理良好， Sharp blade, low resistance cutting, capable of obtaining high-quality machining surfaces. Good chip treatment under low feed cutting conditions,
R-H L-H	精加工 ~ 超精加工 Precision machining ~ Ultra precision machining			整条切削刃带研磨，扩大了可切削范围，刀尖锋利，低阻力切削，中小进给量切削条件下切屑处理良好。 The entire cutting edge is ground, expanding the cutting range, with a sharp tool tip, low resistance cutting, and good chip treatment under small and medium feed cutting conditions.

精密压制成型的槽型 Precision Pressed Groove

断屑槽 Groove	应用 Application	切削参数 Cutting Parameters	槽型搭配材质 Groove matching material	特长/用途 Specialties/Purpose
43	中精加工 ~ 中切削加工 Precision machining ~ Ultra precision machining		 ZC250 ZC32S	43槽型中等余量车削效果很不错的，客户反馈碎削效果特别好，有些工况就为了不能缠铁屑，刮花工件表面，比如轴承！ The moderate allowance turning effect of the 43 groove type is very good, and the customer feedback shows that the crushing effect is particularly good. Some working conditions are to avoid getting entangled with iron filings and scratching the surface of the workpiece, such as bearings!
99	精加工 ~ 半精加工 Precision machining ~ Ultra precision machining		 ZP19S	高硬度且耐磨损性能优良可实现长寿命加工，由于不与铁发生反应、适合淬火钢（高硬度材料） High hardness and excellent wear resistance can realize processing of longevity toolholders. Because it does not react with iron, it is suitable for quenching steel (high hardness material)
AL	精加工 ~ 中切削加工 Precision machining ~ Ultra precision machining		 ZK01	三维断屑槽及大容屑槽设计；大前角及后角使刀片刃口更加锋利，切削更加轻快；刃倾角的设计有效控制了切屑的流向；降低了切削阻力，提高了工件表面质量及刀具寿命。 3D chip breaking groove and large capacity chip groove design; The large front and rear corners make the blade edge sharper and the cutting more agile; The design of the blade inclination angle effectively controls the flow direction of the chips; Reduced cutting resistance, improved workpiece surface quality and tool life.
AL-PCD	精加工 ~ 超精加工 Precision machining ~ Ultra precision machining	 纤维增强/弹性碳纤维干式 Fiberglass/Elastic Carbon Fiber Vc:100-300m/min 钛合金(德式) Titanium Vc:300-1500m/min 铝镁合金 Aluminum/Magnesium Vc:100-200m/min 铜镁合金 Copper/Magnesium Alloy Vc:10-50m/min 硬质合金 Cemented Carbide Vc:10-50m/min	 PCD1	三维断屑槽及大容屑槽设计；切削更加轻快；提高了工件表面质量及刀具寿命。 3D chip breaking groove and large capacity chip groove design; Cutting is lighter and faster; Improved surface quality of the workpiece and tool life.
AM1	半精加工 ~ 中切削加工 Precision machining ~ Ultra precision machining		 ZC32S	适合中切削加工领域的槽型设计，有效控制切屑排除，为表面光洁度提供保障。 Suitable for groove design in the field of medium cutting machining, effectively controlling chip removal and providing guarantee for surface smoothness.
TM1 双面槽 Double Sided	半精加工 ~ 中切削加工 Precision machining ~ Ultra precision machining		 ZC25 ZC35 ZC32S	适合中切削加工领域的槽型设计，有效控制切屑排除，为表面光洁度提供保障。 Suitable for groove design in the field of medium cutting machining, effectively controlling chip removal and providing guarantee for surface smoothness.
平面	中切削加工 ~ 粗加工 Precision machining ~ Ultra precision machining		 ZK50	平面无断屑槽设计，棱边刀刀负前角设计强度高，适合断续切削等不稳定工况。 The flat chip free groove design and the negative rake angle design of the edge blade have high strength, suitable for unstable conditions such as intermittent cutting.

- 车削刀片
- 车削刀柄
- 铣削刀柄系统
- 铣刀杆铣刀盘
- 铣刀锯片成型刀
- 快速钻孔
- 镗孔加工系统
- 钻头
- 铰刀
- 螺纹铣削系统
- 丝攻板牙
- 车床卡盘
- 铣床虎钳
- 磨床磁盘
- 线切割配件
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CBN 立方氮化硼 CBN

CBN是由硬度仅次于金刚石的立方氮化硼粒子在高温高压的条件下烧结而成的多结晶
 特点：高硬度且耐磨损性能优良可实现长寿面加工，由于不与铁发生反应、适合淬火钢（高硬度材料）
 铁系烧结金属、铸铁的高速加工，有热传导率高、快速散热的特性，可实现稳定加工。

CBN is a polycrystalline material formed by sintering cubic boron nitride particles with hardness second only to diamond under high temperature and pressure conditions
 Features: High hardness and excellent wear resistance can realize the machining of longevity noodles. Because it does not react with iron, it is suitable for high-speed machining of quenched steel (high hardness material), iron sintered metal and cast iron. It has the characteristics of high heat conductivity and rapid heat dissipation, and can realize stable machining.

材质 Material	工件材料 Workpiece Material	线速度 Vc (m/min)	颜色 Colour	特长/用途 Specialties/Purpose
CBN (CBN1)	 冷硬铸铁 Cast Iron HB >400	300~1500		高硬度且耐磨损性能优良可实现长寿面加工，由于不与铁发生反应、适合淬火钢（高硬度材料），铁系烧结金属、铸铁的高速加工，有热传导率高、快速散热的特性，可实现稳定加工。
	 球墨铸铁/高速钢轧辊 Ductile Iron/Rollers	400~800		
	 烧结材料 HV=200~600	100~200		
	 淬硬钢 HRC=46~70	10~30		
CBN-K	 冷硬铸铁 Cast Iron HB >400	300~1300		High hardness and excellent wear resistance can realize the machining of longevity noodles. Because it does not react with iron, it is suitable for high-speed machining of quenched steel (high hardness material), iron series sintered metal and cast iron. It has the characteristics of high heat conductivity and rapid heat dissipation, which can realize stable machining.
	 球墨铸铁/高速钢轧辊 Ductile Iron/Rollers	400~700		
CBN-S	 烧结材料 HV=200~600	100~150		
	 淬硬钢 HRC=46~70	10~25		

- 车削刀片
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- 快速钻孔
- 镗孔加工系统
- 钻头
- 铰刀
- 螺纹铣削系统
- 丝攻板牙
- 车床卡盘
- 铣床虎钳
- 磨床磁盘
- 线切割配件
- 机械工具
- 抛光研磨
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- 技术资料
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PCD 金刚石 PCD Diamond

金刚石刀具是将人造金刚石微粒在高温高压的条件下进行烧结，以硬质合金为底材加工而成。
特点：广发应用于有色金属、非铁金属材料的车削，铣削等各种加工。

Diamond cutting tools are made by sintering artificial diamond particles under high temperature and pressure conditions, using hard alloy as the substrate
Features: Widely used in various processing such as turning and milling of non-ferrous and non-ferrous materials.

材质 Material	工件材料 Workpiece Material	线速度 Vc (m/min)	颜色 Colour	特长/用途 Specialties/Purpose	
PCD (PCD1)	 铝 ▲ 第一推荐 BEST	镁/锌/塑料/木材 Magnesium/Zinc/Plastic/Wood	300~1500	 NEW 有新规格 With Cores	超微粒PCD金刚石，刀尖强度高、耐磨损性、抗崩损性（韧性）以及锋利性良好，可实现稳定高效率加工，广泛应用于铝合金、黄铜等有色金属、塑料等高速加工以及硬质合金的加工。 Ultra fine PCD diamond has high blade strength, wear resistance, collapse resistance (toughness), and good sharpness, which can achieve stable and efficient machining. It is widely used in high-speed machining of non-ferrous metals such as aluminum alloys, brass, plastics, and hard alloys.
		铝合金 Aluminum Alloy	300~1200		
	 钛合金	钛合金/高温合金 HB=70~110	100~200		
		硬质合金/粉末冶金 Hard Alloy/Powder Metallurgy	10~30		
		玻璃碳纤维 Copper Alloy	100~200		
		硅填充塑料硬质纤维 Bronze	400~800		

车削刀片

车削刀柄

铣削刀柄系统

铣刀杆
铣刀盘铣刀
锯片
成型刀快速
钻孔镗孔
加工
系统

钻头

铰刀

螺纹
铣削
系统丝攻
板牙车床
卡盘铣床
虎钳磨床
磁盘线切割
配件机械
工具抛光
研磨

零配件

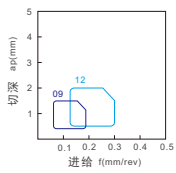

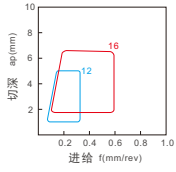

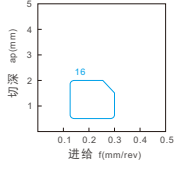

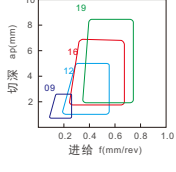

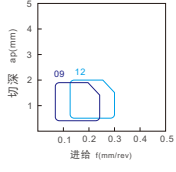
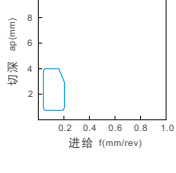
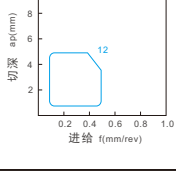
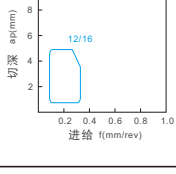

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精密压制成型的槽型 Precision Pressed Groove

断屑槽 Groove	应用 Application	切削参数 Cutting Parameters	槽型搭配材质 Groove matching material	特长/用途 Specialties/Purpose
CQ1	精加工 ~ 半精加工 Precision machining ~ Ultra precision machining		 ZC250 ZC251	进行仿形加工等切深不同加工时,切屑处理良好。且适用于壁面的提拉加工。 When processing with different cutting depths such as profiling, the chip treatment is good. And it is suitable for wall lifting processing.
FG1	精加工 Precision machining ~ Ultra precision machining		 ZN60 ZP163 ZP163 ZP163	精加工槽型适用于钢, 不锈钢, 铸铁的低阻力加工。 Precision machining groove is suitable for low resistance machining of steel, stainless steel, and cast iron.
GM1	半精加工 ~ 中切削加工 Precision machining ~ Ultra precision machining		 ZP152 ZC32S	大前角设计, 切削轻快, 配合变化的刃宽, 获得极好的通用性能; 排屑流畅的断屑槽, 减小了排屑阻力; 变刃宽设计, 保证刀尖锋利的同时提高了切削刃的强度。 Large front angle design, light and fast cutting, combined with variable blade width, achieves excellent universal performance; Smooth chip removal groove reduces chip removal resistance; The variable blade width design ensures the sharpness of the blade while increasing the strength of the cutting edge.
GH1	中切削加工 ~ 粗加工 Precision machining ~ Ultra precision machining		 ZK50	特殊的双前角和宽刃带及负倒棱三维断屑槽设计; 具有很好的刃口强度, 延长了切削寿命。 Special double front corners, wide blade band, and negative chamfer 3D chip cutting groove design; It has excellent blade strength and prolongs cutting life.
HA1	精加工 ~ 中切削加工 Precision machining ~ Ultra precision machining		 ZP15 ZM36H ZM36	切削刃锋利, 降低了切削阻力, 主切削刃高强度设计, 适合加工低碳钢, 不锈钢, 合金钢。 The cutting edge is sharp, reducing cutting resistance. The main cutting edge is designed with high strength, suitable for processing low-carbon steel, stainless steel, and alloy steel.
HQ1	精加工 ~ 半精加工 Precision machining ~ Ultra precision machining		 ZN60 ZC250 ZC251 ZP152	HQ槽型锋利做小直径(40以下直径)的料, 还有软的料比如45号等。广泛的切屑处理性能 HQ groove sharp material for small diameters (below 40), as well as soft materials such as 45. Extensive chip processing performance
HS1	半精加工 ~ 中切削加工 Precision machining ~ Ultra precision machining		 ZP152	不锈钢加工独特设计, 可提供更长的切削寿命, 断屑槽切削棱角大前角设计, 耐磨性得到加强。 The unique design of stainless steel processing can provide a longer cutting life, and the chip breaking groove has a large cutting edge and front angle design, which enhances wear resistance.
MA1	中加工 ~ 中粗加工 Precision machining ~ Ultra precision machining		 ZN60 ZC250 ZC251 ZM36 ZP152 ZM36H ZP16S	MA槽型双面断屑槽通用型加工, 棱边刃型, 切削锋利性高。中粗加工槽型, 适合大余量连续粗车或断续加工。比如车床的铣方机加工四方或者六方 Double sided chip cutting groove universal processing, edge and edge shape, high cutting sharpness. Medium rough machining groove type, suitable for large margin continuous rough turning or intermittent machining. For example, the milling machine of a lathe processes four or six squares

精密压制成型的槽型 Precision Pressed Groove

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MF1	精加工 ~ 半精加工 Precision machining ~ Ultra precision machining		 ZP152 ZP153	独特的槽型设计；兼顾了刀片刃口的锋利性和强度；有效解决了不锈钢加工过程中断屑、切削温度高、粘刀、加工硬化等加工难点；可以获得更高的加工效率。 Unique groove design; Considering the sharpness and strength of the blade edge; Effectively solved machining difficulties such as chip interruption, high cutting temperature, tool sticking, and work hardening during stainless steel processing; Higher processing efficiency can be achieved.
MM1	半精加工 ~ 中切削加工 Precision machining ~ Ultra precision machining		 ZP152 ZP153	刃口锋利并兼顾了一定的强度设计；很好的抗冲击能力；切削寿命长。 The blade is sharp and designed with a certain degree of strength; Excellent shock resistance; Long cutting life.
MQ1	精加工 Precision machining		 ZP152 ZP153 ZM36H ZM36	MQ槽型大前角设计，实现了低阻力良好的切屑处理性能。精加工槽型，碎屑效果好，加工的产品表面光洁度高，特别是04R角的，拿去做螺纹都很不错。 The Mq groove design with a large front angle achieves good chip processing performance with low resistance. Fine machined groove, good chip effect, and high surface finish of the processed product, especially for the 04R angle, it is very good for making threads.
MS	精加工 ~ 半精加工 Precision machining ~ Ultra precision machining		 ZP152 ZP153 ZM36/ZK50 ZP16S ZM36H ZP153 ZK50S	双面断屑槽，低阻力尖锐切削刃，切削锋利性高，通用性高的全周型断屑槽形状。1mm以下半精加工槽型，车削轻快阻力小 Double sided chip cutting groove, low resistance sharp cutting edge, with high cutting sharpness and versatility, is a full circumference chip cutting groove shape. Semi precision machined groove shape below 1mm, with light and fast turning and low resistance
MSF	精加工 ~ 半精加工 Precision machining ~ Ultra precision machining		 ZP152 ZP153	双前角三维槽型设计；刃口锋利，切削阻力低；有效解决了积屑瘤和加工等加工难点；刃倾角的设计，很好地控制了切屑流向，获得高质量的加工表面。 Double front corner 3D groove design; Sharp cutting edge, low cutting resistance; Effectively solved processing difficulties such as chip accumulation and processing; The design of the blade inclination angle effectively controls the chip flow direction and achieves high-quality machining surfaces.
MSK	精加工 ~ 半精加工 Precision machining ~ Ultra precision machining		 ZP163	适合高温合金，铁基，钴基，镍基，钛合金等难切削材加工的槽型设计，有效提高加工效率与质量。 The groove design is suitable for machining difficult to cut materials such as high-temperature alloys, iron based, cobalt based, nickel based, titanium alloys, etc., effectively improving machining efficiency and quality.
MT1	半精加工 ~ 中切削加工 Precision machining ~ Ultra precision machining		 ZN60	采用通用型韧性前角设计，适合于钢，不锈钢，铸铁的中粗加工。 The MT groove adopts a universal ductile front corner design, suitable for medium to rough machining of steel, stainless steel, and cast iron.
MU1	中切削加工 ~ 粗加工 Precision machining ~ Ultra precision machining		 ZM36 ZM36H	大前角降低了切削阻力，避免因刀片磨损而导致毛刺产生 The large front angle reduces cutting resistance and avoids burrs caused by blade wear

车削刀片

车削刀柄

铣削刀柄系统

铣刀杆铣刀盘

铣刀锯片成型刀

快速钻孔

镗孔加工系统

钻头

铰刀

螺纹铣削系统

丝攻板牙

车床卡盘

铣床虎钳

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精密压制成型的槽型 Precision Pressed Groove

断屑槽 Groove	应用 Application	切削参数 Cutting Parameters	槽型搭配材质 Groove matching material	特长/用途 Specialties/Purpose
MV1	精加工 ~ 半精加工 Precision machining ~ Ultra precision machining		 ZP152	MV槽刃形与大前角组合，切削锋利性高。球形断屑点，适合于广泛的切削工况。 The combination of Mv groove edge shape and large front angle ensures high cutting sharpness. Spherical chip breaking points, suitable for a wide range of cutting conditions.
CM1	精加工 ~ 半精加工 Precision machining ~ Ultra precision machining		 ZP1530	独特的高硬度及难切削材的槽型设计，有效提升加工良品率。 The unique groove design of high hardness and difficult to cut materials effectively improves the processing yield
N-GH	精加工 ~ 半精加工 Precision machining ~ Ultra precision machining		 ZP19S	独特的高硬度及难切削材的槽型设计，有效提升加工良品率。 The unique groove design of high hardness and difficult to cut materials effectively improves the processing yield
PC1	精加工 ~ 半精加工 Precision machining ~ Ultra precision machining		 ZP152  ZC251	Pc槽型正前角切削设计，适合于钢件及汽车零部件的中等到半精加工。 The Pc groove type front corner cutting design is suitable for medium to semi precision machining of steel parts and automotive components.
PF	精加工 ~ 半精加工 Precision machining ~ Ultra precision machining		 ZC250  ZC251	独特的槽型能有效控制切屑的卷曲和断屑；刃口锋利，切削轻快；可获得良好的表面质量。 The unique groove shape can effectively control the curling and breaking of chips; Sharp cutting edge, easy to cut; Good surface quality can be obtained.
PM	半精加工 ~ 中切削加工 Precision machining ~ Ultra precision machining		 ZP152  ZC251  ZC250	负倒棱设计，增强了刀片刃口强度和抗冲击性能；双断屑台肩设计，扩大了断屑范围。 Negative chamfering design enhances the strength and impact resistance of the blade edge; The double chip shoulder design expands the chip breaking range.
PR	粗加工 Precision machining ~ Ultra precision machining		 ZC250  ZC251	特殊的双前角和宽刃带及负倒棱三维断屑槽设计；具有很好的刃口强度，延长了切削寿命。 Special double front corners, wide blade band, and negative chamfer 3D chip cutting groove design; It has excellent blade strength and prolongs cutting life.
SM1	半精加工 ~ 中切削加工 Precision machining ~ Ultra precision machining		 ZM36  ZM36H	半精加工槽型，车削轻快阻力小，容易断屑处理。 Semi precision machining groove, turning light and fast with low resistance, easy to chip breaking treatment.

精密压制成型的槽型 Precision Pressed Groove

断屑槽 Groove	应用 Application	切削参数 Cutting Parameters	槽型搭配材质 Groove matching material	特长/用途 Specialties/Purpose
R-C L-C	中切削加工 Precision machining ~ Ultra precision machining		 ZN60	兼备了刀尖强度与锋利性，适合于从轻切削到中切削的广泛领域。有切削方向，可有效控制排屑。 It combines the strength and sharpness of the tool tip, making it suitable for a wide range of machining from light to medium cutting. It has a cutting direction and can effectively control chip removal.
R-S L-S	中切削加工 Precision machining ~ Ultra precision machining		 ZN60 ZC251 ZC32S ZC250 ZP152 ZP153	兼备了刀尖强度及锋利性，适合于从轻切削到中切削的广泛加工，有切削方向，可有效控制排屑。 It combines the strength and sharpness of the tool tip, making it suitable for a wide range of machining from light to medium cutting. It has a cutting direction and can effectively control chip removal.
R-VF1 L-VF1	中切削加工 Precision machining ~ Ultra precision machining		 ZN60 ZC250 ZP152	大前角设计降低了切削阻力及震动，适合钢和不锈钢及细长工件加工。 The large front angle design reduces cutting resistance and vibration, making it suitable for processing steel, stainless steel, and slender workpieces.
TF	精加工 ~ 半精加工 Precision machining ~ Ultra precision machining		 ZC250 ZC251	具有锋利刀尖和突起，适合排屑难的微切削领域，精密压制级产品成本低。 The Tf groove type has sharp tool tips and protrusions, suitable for micro cutting fields where chip removal is difficult, and the cost of precision pressing grade products is low.
TM 单面槽 Single Sided	半精加工 ~ 中切削加工 Precision machining ~ Ultra precision machining		 ZC250 ZP152 ZC251	宽范围排屑领域的通用断屑槽，刀尖旁突起和大前角，使断屑槽保持锋利切削性能和低切削阻力。做40CR,42CrMo, 锻打料那些大直径工件的料，连续加工不分工况优先推荐。 The universal chip cutting groove in the field of wide range chip removal, with protrusions near the tool tip and large rake angle, ensures that the chip cutting groove maintains sharp cutting performance and low cutting resistance.
TR	粗加工 Precision machining ~ Ultra precision machining		 ZC250 ZC251	粗加工断屑槽设计，良好的切屑控制，耐磨性能提升。 Rough machining chip breaking groove design, good chip control, and improved wear resistance.
TS1	精加工 ~ 半精加工 Precision machining ~ Ultra precision machining		 ZN60	采用低切削阻力设计，适用于钢，不锈钢，铸铁的广泛加工。 Designed with low cutting resistance, suitable for wide processing of steel, stainless steel, and cast iron.
无代码	半精加工 ~ 中切削加工 Precision machining ~ Ultra precision machining		 ZP152 ZP153 ZP16S ZM36 ZM36H ZC32S	扁平棱边与大前角组合，同时确保刀刃强度与切削锋利性。 The combination of flat edges and large front corners ensures both blade strength and cutting sharpness.

- 车削刀片
- 车削刀柄
- 铣削刀柄系统
- 铣刀杆铣刀盘
- 铣刀锯片成型刀
- 快速钻孔
- 镗孔加工系统
- 钻头
- 铰刀
- 螺纹铣削系统
- 丝攻板牙
- 车床卡盘
- 铣床虎钳
- 磨床磁盘
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铣削刀片的槽型

Groove Shape of Milling Inserts

断屑槽 Groove	应用 Application	槽型搭配材质 Groove matching material				特长/用途 Specialties/Purpose
DU	通用加工 Precision machining Ultra precision machining	 ZP201	 ZP160	 ZP16S	连续/断续切削加工，做软料，发粘的料， 比如45号钢，A3，Q235用锋利槽型 Continuous/intermittent cutting processing for soft and sticky materials, such as 45 # steel, A3, Q235, using sharp groove shapes	
	 ZP151	 ZP153	 ZP163			
DP	通用加工 Precision machining Ultra precision machining	 R390 ZPM-ZP152	 RT100308 R-81-ZP15A	 APKT1035 PDSR-ZP152	连续/断续切削加工，A3，Q235用锋利槽型 Continuous/intermittent cutting, sharp groove for A3, Q235	
	 ZM ZP152					
H2	粗加工 Precision machining Ultra precision machining	 ZN60	 ZP152	 ZP16S	粗加工槽型，做杂料和硬料， 比如P20，H13，718用H2槽型 Rough machining groove for miscellaneous and hard materials, such as P20, H13,718 using H2 groove	
	 ZP160	 ZP135/ZP153	 ZP151/ZP163			
M2	精加工 Precision machining Ultra precision machining	 ZN60	 ZP152	 ZP16S	中精密加工槽型，做软料，发粘的料， 比如45号钢，A3，Q235用锋利槽型 Rough machining groove for miscellaneous and hard materials, such as P20, H13,718 using H2 groove	
	 ZP160	 ZP135/ZP153	 ZP151/ZP163			
MO 平面	通用加工 Precision machining Ultra precision machining	 ZN60	 ZP152	 ZP16S	从精加工到粗加工广泛应用，做杂料和硬料， 比如P20，H13，718 Widely used from precision machining to rough machining, making miscellaneous and hard materials, such as P20, H13,718	
	 ZP160	 ZP135/ZP153	 ZP151/ZP163			
MO-JS	半精加工 Precision machining Ultra precision machining	 DU-ZP20	 ZP152	 DU-ZP16S	中精密加工用槽型，铣刀片做软料，发粘的料， 比如45号钢， For medium precision machining, groove shapes and milling blades are used for soft and sticky materials, such as 45 # steel,	
	 DU-ZP160	 ZP135/ZP153	 ZP151/ZP163			
通用加工 Precision machining Ultra precision machining	通用加工	 AL ZK01	 MOZ ZK01	 GH ZP152	从精加工到粗加工广泛应用，做杂料和硬料， 比如P20，H13，718 Widely used from precision machining to rough machining, making miscellaneous and hard materials, such as P20, H13,718	
	 MOP ZP152	 MO-QBG ZP152	 MO-PM ZP153			
铝用	铜铝加工 Copper Aluminum Processing	 G2 (ZK01)	 G2 (ZK03S)		锋利的切削刃设计，适合于铜铝非铁金属加工。 Sharp cutting edge design, suitable for processing copper, aluminum, and non-ferrous metals.	
	 MA3 (ZK01)	 AL (ZK01)				

车削
刀片

车削
刀柄

铣削
刀柄
系统

铣刀杆
铣刀盘

铣刀
锯片
成型刀

快速
钻孔

镗孔
加工
系统

钻头

铰刀

螺纹
铣削
系统

丝攻
板牙

车床
卡盘

铣床
虎钳

磨床
磁盘

线切割
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机械
工具

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研磨






































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切槽刀片的槽型

Groove Shape of Grooving Inserts

断屑槽 Groove	应用 Application	槽型搭配材质 Groove matching material	特长/用途 Specialties/Purpose
无代码	切槽 / 切断加工 Grooving / Cut-off Processing	     	<p>精密研磨的U型槽，锋利的刃口加纳米涂层，切槽和切断加工均适用，满足大部分工况的切削加工</p> <p>Precision ground U-shaped groove, sharp edge with nano coating, suitable for grooving and cut-off processing, meeting most cutting conditions</p>
R-8 L-8	切断加工 Cut-off Processing	      	<p>精密研磨的U型槽，锋利的刃口加8度斜口，切断加工更加轻快。</p> <p>The precision ground U-shaped groove, sharp edge and 8° bevel, makes cut-off and processing easier and faster.</p>
R-15 L-15	切断加工 Cut-off Processing	      	<p>精密研磨的U型槽，锋利的刃口加15度斜口，切断加工更加轻快。</p> <p>The precision ground U-shaped groove with a sharp edge and a 15° bevel makes cut-off and processing easier and faster.</p>
JH	切槽 / 切断加工 Grooving / Cut-off Processing		<p>精密研磨的U型槽，锋利的刃口钝化处理加纳米涂层，适合大进给切槽和切断加工。</p> <p>Precision ground U-shaped grooves, sharp edge passivation treatment and nano coating, suitable for high feed grooving and cut-off processing.</p>
G	切槽 / 切断加工 Grooving / Cut-off Processing	     	<p>为小零件小直径切槽/切断优化设计槽型，降低了切削阻力，为加工效率的提升与表面质量提供了保障。</p> <p>Optimize the design of groove shapes for small diameter cutting/cutting of small parts, reduce cutting resistance, and provide guarantees for improving machining efficiency and surface quality.</p>
H	切槽 / 切断加工 Grooving / Cut-off Processing		<p>加大容屑槽槽型设计，切削刃钝化，用于高进给高效额切削加工。</p> <p>Increase the design of chip holding groove and passivation of cutting edge, used for high feed and efficient cutting processing.</p>
J	切槽 / 切断加工 Grooving / Cut-off Processing		<p>锋利的断屑槽设计，低切削阻力，切削轻快，适用于自动数控机床的小直径切槽/切断加工，针对不锈钢加工的效率大幅度提升。</p> <p>Sharp chip cutting groove design, low cutting resistance, light and fast cutting, suitable for small diameter grooving and cut-off processing of automatic CNC machine tools, greatly improving the efficiency of stainless steel processing.</p>
M	切槽 / 切断加工 Grooving / Cut-off Processing	       	<p>特殊的断屑槽设计，使切屑更加顺畅，切削稳定，适合钢件，不锈钢，铸铁等材料的切槽/切断加工。</p> <p>Special chip cutting groove design makes cutting smoother and more stable, suitable for grooving and cut-off processing of materials such as steel, stainless steel, cast iron, etc.</p>

切槽刀片的槽型

Groove Shape of Grooving Inserts

断屑槽 Groove	应用 Application	槽型搭配材质 Groove matching material	特长/用途 Specialties/Purpose
T	切槽 / 切断加工 Grooving / Cut-off Processing	 <p>ZP20 ZP152 ZC32S ZM36 ZP153 ZP16S</p>	<p>两个顶角断屑槽设计，在断屑与切屑引导方面平衡，达到稳定的切削加工效果。</p> <p>Two top corner chip breaking grooves are designed to balance chip breaking and chip guidance, achieving stable cutting processing results.</p>
DR	切槽 / 切断加工 Grooving / Cut-off Processing		<p>U型容屑槽与断屑点结合设计，为稳定的切断/切槽加工提供保障。</p> <p>The combination design of U-shaped chip holding groove and chip breaking point provides guarantee for stable grooving and cut-off processing.</p>
CF1	切槽 / 切断加工 Grooving / Cut-off Processing	 <p>ZP160</p>	<p>断屑槽靠前段设计，断屑效果好，适合于小余量的精密切槽/切断加工。</p> <p>The chip breaking groove is designed near the front section, which has good chip breaking effect and is suitable for precision grooving and cut-off processing with small allowance.</p>
GM1	切槽 / 切断加工 Grooving / Cut-off Processing	 <p>ZP160</p>	<p>断屑槽靠前段设计，断屑效果好，适合于中等余量的精密切槽/切断加工。</p> <p>The chip breaking groove is designed near the front section, which has good chip breaking effect and is suitable for precision grooving and cut-off processing with moderate allowance.</p>
CM1	切槽 / 切断加工 Grooving / Cut-off Processing	 <p>ZP160</p>	<p>锋利的断屑槽设计，低切削阻力，切削轻快，适用于切槽/切断加工。</p> <p>Sharp chip cutting groove design, low cutting resistance, light and fast cutting, suitable for grooving and cut-off processing.</p>
TM1	切槽 / 切断加工 Grooving / Cut-off Processing	 <p>ZP160</p>	<p>锋利的断屑槽设计，低切削阻力，切削轻快，适用于切槽/切断加工。</p> <p>Sharp chip cutting groove design, low cutting resistance, light and fast cutting, suitable for grooving and cut-off processing.</p>
R-8 L-8	切断加工 Cut-off Processing	 <p>R-8 L-8</p> <p>8° 8°</p>	<p>刃口8度斜口断屑槽设计，切断加工更加轻快。</p> <p>The cutting edge is designed with an 8° inclined chip breaking groove, making the cut-off process easier and faster.</p>
R-15 L-15	切断加工 Cut-off Processing	 <p>R-15 L-15</p> <p>15° 15°</p>	<p>刃口15度斜口断屑槽设计，切断加工更加轻快。</p> <p>The cutting edge is designed with an 15° inclined chip breaking groove, making the cut-off process easier and faster.</p>

车削刀片

车削刀柄

铣削刀柄系统

铣刀杆 铣刀盘

铣刀 锯片 成型刀

快速钻孔

镗孔加工系统

钻头

铰刀

螺纹铣削系统

丝攻 板牙

车床卡盘

铣床虎钳

磨床磁盘

线切割配件

机械工具

抛光 研磨

零配件

技术资料

索引

CN..负角刀片

CN.. Double Sided Cutting Edge Inserts

应用		切削形态: Cutting Environment		稳定切削 Stable Cutting		一般切削 General Cutting		不稳定切削 Unstable Cutting								
P	钢 Steel	●	●	●	●	●	●	●	●							
M	不锈钢 Stainless Steel	●	●	●	●	●	●	●	●							
K	铸铁 Iron	●	●	●	●	●	●	●	●							
N	铝/铜/镁/锌/塑料/木材 Aluminum/Copper/Magnesium/Zinc/Plastic/Wood	●	●	●	●	●	●	●	●							
S	硬质合金/粉末冶金 Carbide/Powder Metallurgy	●	●	●	●	●	●	●	●							
H	钛/高温合金/碳纤维 Titanium/Superalloy/Carbon Fiber	●	●	●	●	●	●	●	●							
用途 Application	切削参数 Cutting Parameter	产品图片 Product Image	规格型号 Specification	边长 L	刀尖 r _c	ZN90	ZM36H	ZC250	ZC251	ZC255	ZP152	ZP153	ZP154	ZP155	ZK50	ZK50S
半精加工粗加工 Semi-finishing-Roughing			CNMG 090304-PM 090308-PM 120404-PM 120408-PM 120412-PM 120416-PM 160608-PM 160612-PM 160616-PM 190608-PM 190612-PM 190616-PM	9.2 8.8 12.4 12.0 11.6 11.2 15.3 14.8 14.4 18.5 18.1 17.7	0.4 0.8 0.4 0.8 1.2 1.6 0.8 1.2 1.6 0.8 1.2 1.6	●	●	●	●	●	●	●	●	●	●	
半精加工 Semi-finishing			CNMG 120404-MA1 120408-MA1 120412-MA1	12.4 12.0 11.6	0.4 0.8 1.2	●	●	●	●	●	●	●	●	●	●	●
半精加工粗加工 Semi-finishing-Roughing			CNMG 120404-MM1 120408-MM1 120412-MM1 160608-MM1 160612-MM1 160616-MM1	12.4 12.0 11.6 15.3 14.8 14.4	0.4 0.8 1.2 0.8 1.2 1.6	●	●	●	●	●	●	●	●	●	●	
半精加工 Semi-finishing			CNMG 120404-MT1 120408-MT1 120412-MT1	12.4 12.0 11.6	0.4 0.8 1.2	●	●	●	●	●	●	●	●	●	●	●
半精加工 Semi-finishing			CNMG 120404-HS1 120408-HS1 120412-HS1	12.4 12.0 11.6	0.4 0.8 1.2	●	●	●	●	●	●	●	●	●	●	●
半精加工 Semi-finishing			CNMG 120404-TM1 120408-TM1 120412-TM1	12.4 12.0 11.6	0.4 0.8 1.2	●	●	●	●	●	●	●	●	●	●	●
半精加工 Semi-finishing			CNMG 120404-GM1 120408-GM1 120412-GM1	12.4 12.0 11.6	0.4 0.8 1.2	●	●	●	●	●	●	●	●	●	●	●
半精加工 Semi-finishing			CNMG 120404-MK1 120408-MK1 120412-MK1	12.4 12.0 11.6	0.4 0.8 1.2	●	●	●	●	●	●	●	●	●	●	●

应用		切削形态: Cutting Environment		稳定切削 Stable Cutting		一般切削 General Cutting		不稳定切削 Unstable Cutting							
P	钢 Steel	●	●	●	●	●	●	●	●						
M	不锈钢 Stainless Steel	●	●	●	●	●	●	●	●						
K	铸铁 Iron	●	●	●	●	●	●	●	●						
N	铝/铜/镁/锌/塑料/木材 Aluminum/Copper/Magnesium/Zinc/Plastic/Wood	●	●	●	●	●	●	●	●						
S	硬质合金/粉末冶金 Carbide/Powder Metallurgy	●	●	●	●	●	●	●	●						
H	钛/高温合金/碳纤维 Titanium/Superalloy/Carbon Fiber	●	●	●	●	●	●	●	●						
用途 Application	切削参数 Cutting Parameter	产品图片 Product Image	规格型号 Specification	边长 L	刀尖 r _c	ZP195	ZM36H	ZC250	ZC251	ZC255	ZP152	ZP153	ZK50	ZK50S	
半精加工粗加工 Semi-finishing-Roughing			CNMG 090304-MS 090308-MS 120404-MS 120408-MS 120412-MS 120416-MS 160608-MS 160612-MS 160616-MS 160620-MS 160630-MS 190608-MS 190612-MS 190616-MS	9.2 8.8 12.4 12.0 11.6 11.2 15.3 14.8 14.4 14.0 13.0 18.5 18.1 17.7	0.4 0.8 0.4 0.8 1.2 1.6 0.8 1.2 1.6 2.0 3.0 0.8 1.2 1.6	●	●	●	●	●	●	●	●	●	
半精加工粗加工 Semi-finishing-Roughing			CNMG 120404N-GH 120408N-GH 120412N-GH 160608N-GH 160612N-GH	12.4 12.0 11.6 15.3 14.8	0.4 0.8 1.2 0.8 1.2	●	●	●	●	●	●	●	●	●	●
半精加工粗加工 Semi-finishing-Roughing			CNMG 120404R-X 120408R-X 120412R-X CNMG 120404L-X 120408L-X 120412L-X	12.4 12.0 11.6 12.4 12.0 11.6	0.4 0.8 1.2 0.4 0.8 1.2	●	●	●	●	●	●	●	●	●	●
半精加工 Semi-finishing			CNMG 120404-43 120408-43 120412-43	12.4 12.0 11.6	0.4 0.8 1.2	●	●	●	●	●	●	●	●	●	●
半精加工 Semi-finishing			CNMA 090304 090308 120404 120408 120412 120416 160608 160612 160616 160620 160630 190608 190612 190616	9.2 8.8 12.4 12.0 11.6 11.2 15.3 14.8 14.4 14.0 13.0 18.5 18.1 17.7	0.4 0.8 0.4 0.8 1.2 1.6 0.8 1.2 1.6 2.0 3.0 0.8 1.2 1.6	●	●	●	●	●	●	●	●	●	
粗加工 Roughing			CNMG 120408-PR 120412-PR 120416-PR 160608-PR 160612-PR 160616-PR 190608-PR 190612-PR 190616-PR 190624-PR	12.0 11.6 11.2 15.3 14.8 14.4 18.5 18.1 17.7 16.9	0.8 1.2 1.6 0.8 1.2 1.6 0.8 1.2 1.6 2.4	●	●	●	●	●	●	●	●	●	
半精加工粗加工 Semi-finishing-Roughing			CNMM 120412-PR 160608-PR 160612-PR 190612-PR 190616-PR 250924-PR	11.6 15.3 14.8 18.1 17.7 25.8	1.2 0.8 1.2 1.6 1.6 2.4	●	●	●	●	●	●	●	●	●	

数控刀片

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CC
DC
RC
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WB
TB
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VB
VC

三角浅槽
TGF
GBA
T.N/E

小零件
CTP
TKF

切槽
切断
MG.
MR.
SP.
GM.
TD.

后车削
ABS
TBP
TKFB

内孔切槽
T.N/E
GE.
GR

螺纹车削刀片

铣削刀片

DN..负角刀片

DN.. Double Sided Cutting Edge Inserts

		切削形态: Cutting Environment				● 稳定切削 Stable Cutting				● 一般切削 General Cutting				✘ 不稳定切削 Unstable Cutting									
P	钢 Steel																						
M	不锈钢 Stainless Steel																						
K	铸铁 Iron																						
N	铝/铜/镁/锌/塑料/木材 Aluminum/Copper/Magnesium/Zinc/Plastic/Wood																						
S	硬质合金/粉末冶金 Carbide/Powder Metallurgy																						
H	钛/高温合金/碳纤维 Titanium/Superalloy/Carbon Fiber																						
Application	用途	切削参数 Cutting Parameter	产品图片 Product Image	规格型号 Specification	边长 L	刀尖 r _e	ZN60	ZM36H	ZM36	ZC250	ZC251	ZC325	ZP152	ZP163	ZP168	ZN15	ZN18	ZN20					
半精加工/粗加工 Semi-Finishing - Roughing	半精加工/粗加工 Semi-Finishing - Roughing			DNMG 110404-PM	11.2	0.4	●	●	●														
				110408-PM	10.8	0.8	●	●	●														
				110412-PM	10.4	1.2	●	●	●														
				150404-PM	15.1	0.4	●	●	●														
				150408-PM	14.7	0.8	●	●	●														
				150412-PM	14.4	1.2	●	●	●														
				150416-PM	14.0	1.6	●	●	●														
				150604-PM	15.1	0.4	●	●	●														
				150608-PM	14.7	0.8	●	●	●														
				150612-PM	14.4	1.2	●	●	●														
150616-PM	14.0	1.6	●	●	●																		

		切削形态: Cutting Environment				● 稳定切削 Stable Cutting				● 一般切削 General Cutting				✘ 不稳定切削 Unstable Cutting										
P	钢 Steel																							
M	不锈钢 Stainless Steel																							
K	铸铁 Iron																							
N	铝/铜/镁/锌/塑料/木材 Aluminum/Copper/Magnesium/Zinc/Plastic/Wood																							
S	硬质合金/粉末冶金 Carbide/Powder Metallurgy																							
H	钛/高温合金/碳纤维 Titanium/Superalloy/Carbon Fiber																							
Application	用途	切削参数 Cutting Parameter	产品图片 Product Image	规格型号 Specification	边长 L	刀尖 r _e	ZP19S	ZM36H	ZC250	ZC251	ZC325	ZP152	ZP163	ZP168	ZN15	ZN18	ZN20							
半精加工/粗加工 Semi-Finishing - Roughing	半精加工/粗加工 Semi-Finishing - Roughing			DNMG 110404-MS	11.2	0.4	●	●	●															
				110408-MS	10.8	0.8	●	●	●															
				110412-MS	10.4	1.2	●	●	●															
				150404-MS	15.1	0.4	●	●	●															
				150408-MS	14.7	0.8	●	●	●															
				150412-MS	14.4	1.2	●	●	●															
				150604-MS	15.1	0.4	●	●	●															
				150608-MS	14.7	0.8	●	●	●															
				150612-MS	14.4	1.2	●	●	●															
				150616-MS	14.0	1.6	●	●	●															
190608-MS	18.5	0.8	●	●	●																			
190612-MS	18.1	1.2	●	●	●																			
190616-MS	17.7	1.6	●	●	●																			

数控刀片

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VB
VC

三角浅槽
TGF
GBA
T.N/E

小零件
CTP
TKF

切槽
切断
MG.
MR.
SP.
GM.
TD.

后车削
ABS
TBP
TKFB

内孔切槽
T.N/E
GE.
GR

螺纹车削
刀片

铣削
刀片

数控
刀片

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零件
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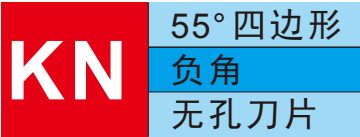
切槽
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T.N/E
GE.
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螺
纹
车削
刀片

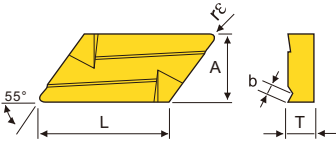
铣
削
刀片



👉 外圆车刀 (External Toolholder): B31

切削线速度 (Cutting Speed): m/min⁻¹

加工材料	PCD	CBN-K	CBN-S	ZN60	ZN90	ZK01	ZC250	ZC251	ZC32S	ZP152	ZP153	ZP163	ZK50	ZK50S
刀具材质	金刚石	铸铁专用	难切削材料	光洁度好	高速精加工	钢铝加工	CVD 钢件	CVD 钢件	钢件高速	不锈钢通用	不锈钢高速	高硬高速	CVD 铸铁	铸铁高速
材料特点														
P 低碳钢				150-600	150-800		70-500	150-500	150-600	70-250	100-250	80-300		
高碳钢				150-350	150-500		70-250	80-350	100-400	70-150	80-150	60-200		
淬硬钢 HRC46-58			10-30							20-80	20-60	20-80		
M 不锈钢				200-300	200-350					50-150	70-150	50-200		
灰口铸铁		300-1500		100-300	100-350								200-300	200-350
K 球墨铸铁/轧辊		400-800		100-200	100-250								150-200	150-250
N 镁/锌/塑料/木材	300-1200					300-1200								
铝合金 HB50-70	300-1500					300-1500								
淬硬铝合金 HB70-110	300-800					300-800								
铜/青铜/黄铜	300-1000					300-1000								
S 硬质合金/粉末冶金	10-30					10-30					20-50			
硅填充塑料硬质纤维	400-600					400-600								
H 钛/高温合金/碳纤维	100-200					100-200				20-50	20-60	30-80		



切削形态: ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ✖ 不稳定切削 Unstable Cutting

应用	切削参数	产品图片	规格型号	尺寸 Dimension					切削参数 Cutting Parameter		应用												
用途	Cutting Parameter	Product Image	Specification	L	A	T	b	rE	切深 ap(mm)	进给 f(mm/rev)	ZN60	ZN90	ZK01	ZC250	ZC251	ZC32S	ZP152	ZP153	ZP163	ZK50	ZK50S		
P 钢	Steel		KNUX 160405R11 160410R11	19.2 18.8	9.525 9.525	4.76 4.76	2.2 2.2	0.5 1.0	1.0-6.0 1.5-6.0	0.2-0.35 0.3-0.6	●	●	●	●	●	●	●	●	●	●	●	●	●
M 不锈钢	Stainless Steel		KNUX 160405L11 160410L11	19.2 18.8	9.525 9.525	4.76 4.76	2.2 2.2	0.5 1.0	1.0-6.0 1.5-6.0	0.2-0.35 0.3-0.6	●	●	●	●	●	●	●	●	●	●	●	●	●

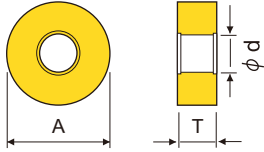
应用	切削参数	产品图片	规格型号	尺寸 Dimension					切削参数 Cutting Parameter		应用												
用途	Cutting Parameter	Product Image	Specification	L	A	T	b	rE	切深 ap(mm)	进给 f(mm/rev)	ZN60	ZN90	ZK01	ZC250	ZC251	ZC32S	ZP152	ZP153	ZP163	ZK50	ZK50S		
半精加工粗加工 Semi-Finishing-Roughing			KNUX 160405R11 160410R11	19.2 18.8	9.525 9.525	4.76 4.76	2.2 2.2	0.5 1.0	1.0-6.0 1.5-6.0	0.2-0.35 0.3-0.6	●	●	●	●	●	●	●	●	●	●	●	●	●
半精加工粗加工 Semi-Finishing-Roughing			KNUX 160405L11 160410L11	19.2 18.8	9.525 9.525	4.76 4.76	2.2 2.2	0.5 1.0	1.0-6.0 1.5-6.0	0.2-0.35 0.3-0.6	●	●	●	●	●	●	●	●	●	●	●	●	●

KN/RN.. 负角刀片

KN/RN.. Double Sided Cutting Edge Inserts

RN 圆形
负角
有孔刀片

外圆车刀 (External Toolholder): B31



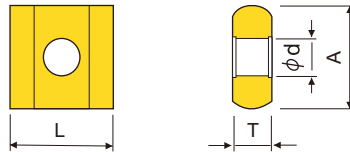
加工材料	刀具材质	PCD	CBN-K	CBN-S	ZN60	ZN90	ZK01	ZC250	ZC251	ZC32S	ZP152	ZP153	ZP163	ZK50	ZK50S
材料特点		金刚石	铸铁专用	难切削材料	光洁度好	高速精加工	钢铝加工	CVD 钢件	CVD 钢件	钢件高速	不锈钢通用	不锈钢高速	高硬高速	CVD 铸铁	铸铁高速
P	低碳钢 高碳钢 淬硬钢 HRC46-58				150-600 150-350	150-800 150-500		70-500 70-250	150-500 80-350	150-600 100-400	70-250 70-150	100-250 80-150	80-300 60-200		
M	不锈钢				200-300	200-350					50-150	70-150	50-200		
K	灰口铸铁 球墨铸铁/轧辊		300-1500 400-800		100-300 100-200	100-350 100-250								200-300 150-200	200-350 150-250
N	镁/锌/塑料/木材 铝合金 HB50-70 淬硬铝合金 HB70-110 铜/青铜/黄铜	300-1200 300-1500 300-800 300-1000					300-1200 300-1500								
S	硬质合金/粉末冶金 硅填充塑料/硬质纤维	10-30 400-600					10-30						20-50		
H	钛/高温合金/碳纤维	100-200					100-200				20-50	20-60	30-80		

切削形态: ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ✖ 不稳定切削 Unstable Cutting

应用	切削参数	产品图片	规格型号	尺寸 Dimension					切削参数 Cutting Parameter		应用											
应用	Cutting Parameter	Product Image	Specification	L	A	T	φd	rε	切深 ap(mm)	进给 f(mm/rev)	ZN60	ZN90	ZK01	ZC250	ZC251	ZC32S	ZP152	ZP153	ZP163	ZK50	ZK50S	
P	钢	Steel									●	●	●	●	●	●	●	●	●	●	●	●
M	不锈钢	Stainless Steel									●	●	●	●	●	●	●	●	●	●	●	●
K	铸铁	Iron									●	●	●	●	●	●	●	●	●	●	●	●
N	铝/铜/镁/锌/塑料/木材	Aluminum/Copper/Magnesium/Zinc/Plastic/Wood									●	●	●	●	●	●	●	●	●	●	●	●
S	硬质合金/粉末冶金	Carbide/Powder Metallurgy									●	●	●	●	●	●	●	●	●	●	●	●
H	钛/高温合金/碳纤维	Titanium/Superalloy/Carbon Fiber									●	●	●	●	●	●	●	●	●	●	●	●

应用	切削参数	产品图片	规格型号	尺寸 Dimension					切削参数 Cutting Parameter		应用											
应用	Cutting Parameter	Product Image	Specification	L	A	T	φd	rε	切深 ap(mm)	进给 f(mm/rev)	ZN60	ZN90	ZK01	ZC250	ZC251	ZC32S	ZP152	ZP153	ZP163	ZK50	ZK50S	
半精加工粗加工	进给 f(mm/rev)		RNMG 0903MO 1204MO 1506MO 1906MO 2506MO 2509MO 3109MO	-	9.525 12.7 15.875 19.05 25.4 25.4 31.75	3.18 4.76 6.35 7.93 9.12 9.12 9.52	3.81 5.16 6.35 7.93 9.12 9.12 12.7	-	0.09-0.9 0.12-1.2 0.15-1.5 0.19-1.9 0.25-2.5 0.25-2.5 0.3-2.5	0.9-4.5 1.2-4.8 1.15-1.5 1.9-7.6 2.5-10.0 2.5-10.0 3.5-13.0	●	●	●	●	●	●	●	●	●	●	●	●

175.32 轮毂
重载加工
有孔刀片



切削形态: ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ✖ 不稳定切削 Unstable Cutting

应用	切削参数	产品图片	规格型号	尺寸 Dimension					切削参数 Cutting Parameter		应用											
应用	Cutting Parameter	Product Image	Specification	L	A	T	φd	rε	切深 ap(mm)	进给 f(mm/rev)	ZN60	ZN90	ZK01	ZC250	ZC251	ZC32S	ZP152	ZP153	ZP163	ZK50	ZK50S	
轮毂重载加工	进给 f(mm/rev)		175.32 191940-22 191940-24 191940-28	19.1	19.1	10	6.35	4.0			●	●	●	●	●	●	●	●	●	●	●	●

应用	切削参数	产品图片	规格型号	尺寸 Dimension					切削参数 Cutting Parameter		应用											
应用	Cutting Parameter	Product Image	Specification	L	A	T	φd	rε	切深 ap(mm)	进给 f(mm/rev)	ZN60	ZN90	ZK01	ZC250	ZC251	ZC32S	ZP152	ZP153	ZP163	ZK50	ZK50S	
轮毂重载加工	进给 f(mm/rev)		175.32 191940-22 191940-24 191940-28	19.1	19.1	10	6.35	4.0			●	●	●	●	●	●	●	●	●	●	●	●

数控刀片

CN
DN

RN
KN
175.32

SN
TN
VN
WN

CC
DC
RC
SC
WB
TB
TC
TP
VB
VC

三角浅槽
TGF
GBA
T.N/E

小零件
CTP
TKF

切槽
切槽
MG.
MR.
SP.
GM.
TD.

后车削
ABS
TBP
TKFB

内孔切槽
T.N/E
GE.
GR

螺纹车削刀片

铣削刀片

(mm)

Model	A	T	φd
SN..0903..	9.525	3.18	3.81
SN..1204..	12.70	4.76	5.16
SN..1506..	15.875	6.35	6.35
SN..1906..	19.05	6.35	7.94
SN..2507..	25.4	7.94	9.12
SN..2509..	25.4	9.525	9.12

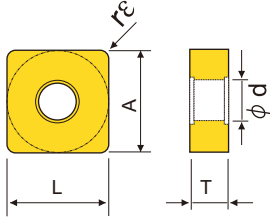
SN

正方形
负角
有孔刀片

➔ 外圆车刀 (External Toolholder): B13-B18
内孔车刀 (Internal Toolholder): B73-B74

切削线速度 (Cutting Speed): m/min⁻¹

加工材料	PCD	CBN-K	CBN-S	ZN60	ZN90	ZK01	ZC250	ZC251	ZC32S	ZP152	ZP153	ZP163	ZK50	ZK50S
材料特点	金刚石	铸铁专用	难切削材料	光洁度好	高速精加工	钢铝加工	CVD 钢件	CVD 钢件	钢件高速	不锈钢通用	不锈钢高速	高速高速	CVD 铸铁	铸铁高速
P 低碳钢				150-600	150-800		70-500	150-500	150-600	70-250	100-250	80-300		
高碳钢				150-350	150-500		70-250	80-350	100-400					
淬硬钢 HRC46-58			10-30							20-80	20-80	20-80		
M 不锈钢				200-300	200-350					50-150	70-150	50-200		
灰口铸铁		300-1500		100-300	100-350								200-300	200-350
K 球墨铸铁/轧辊		400-800		100-200	100-250								150-200	150-250
N 铝/铜/镁/锌/塑料/木材	300-1200					300-1200								
铝合金 HB50-70	300-1500					300-1500								
淬硬铝合金 HB70-110	300-800					300-800								
铜/青铜/黄铜	300-1000					300-1000								
S 硬质合金/粉末冶金	10-30					10-30						20-50		
硅填充塑料硬质纤维	400-600					400-600								
H 钛/高温合金/碳纤维	100-200					100-200				20-50	20-60	30-80		



应用	切削参数	产品图片	规格型号	边长 L	刀尖 Rφ	切削形态								
						● 稳定切削	● 一般切削	✘ 不稳定切削	● 稳定切削	● 一般切削	✘ 不稳定切削			
精加工			SNGA 120402 120404 120408 120412	12.7 12.3 11.9 11.5	0.2 0.4 0.8 1.2	●	●	●	●	●	●	●	●	●
精加工			SNGA 120402-4T 120404-4T 120408-4T 120412-4T	12.7 12.3 11.9 11.5	0.2 0.4 0.8 1.2	●	●	●	●	●	●	●	●	●
精加工			SNMG 120402 120404 120408 120412	12.7 12.3 11.9 11.5	0.2 0.4 0.8 1.2	●	●	●	●	●	●	●	●	●
精加工			SNMG 120402-AL 120404-AL 120408-AL 120412-AL	12.7 12.3 11.9 11.5	0.2 0.4 0.8 1.2	●	●	●	●	●	●	●	●	●
精加工			SNGW 120402 120404 120408 120412	12.7 12.3 11.9 11.5	0.2 0.4 0.8 1.2	●	●	●	●	●	●	●	●	●
精加工			SNMG 120402-4T 120404-4T 120408-4T 120412-4T	12.7 12.3 11.9 11.5	0.2 0.4 0.8 1.2	●	●	●	●	●	●	●	●	●

应用	切削参数	产品图片	规格型号	边长 L	刀尖 Rφ	切削形态								
						● 稳定切削	● 一般切削	✘ 不稳定切削	● 稳定切削	● 一般切削	✘ 不稳定切削			
精加工			SNMG 120404-HA1 120408-HA1 120412-HA1	12.3 11.9 11.5	0.4 0.8 1.2	●	●	●	●	●	●	●	●	●
精加工			SNMG 090304-PF 120404-PF 120408-PF 120412-PF	9.1 12.3 11.9 11.5	0.4 0.8 0.8 1.2	●	●	●	●	●	●	●	●	●
精加工			SNMG 090304-MF1 090308-MF1 090312-MF1 120404-MF1 120408-MF1 120412-MF1 150608-MF1 150612-MF1	9.1 8.7 8.3 12.3 11.9 11.5 15.0 14.6	0.4 0.8 1.2 0.4 0.8 1.2 0.8 1.2	●	●	●	●	●	●	●	●	●
半精加工			SNMG 120404-AM1 120408-AM1 120412-AM1	12.3 11.9 11.5	0.4 0.8 1.2	●	●	●	●	●	●	●	●	●
半精加工			SNMG 090304-PM 090308-PM 090312-PM 120404-PM 120408-PM 120412-PM 120416-PM 150608-PM 150612-PM 150616-PM 190608-PM 190612-PM 190616-PM	9.1 8.7 8.3 12.3 11.9 11.5 11.1 15.0 14.6 14.2 18.2 17.8 17.4	0.4 0.8 1.2 0.4 0.8 1.2 1.6 0.8 1.2 1.6 0.8 1.2 1.6	●	●	●	●	●	●	●	●	

SN..负角刀片

SN.. Double Sided Cutting Edge Inserts

		切削形态: Cutting Environment				● 稳定切削 Stable Cutting				● 一般切削 General Cutting				✘ 不稳定切削 Unstable Cutting			
P	钢	Steel															
M	不锈钢	Stainless Steel															
K	铸铁	Iron															
N	铝/铜/镁/锌/塑料/木材	Aluminum/Copper/Magnesium/Zinc/Plastic/Wood															
S	硬质合金/粉末冶金	Carbide/Powder Metallurgy															
H	钛/高温合金/碳纤维	Titanium/Superalloy/Carbon Fiber															
用途	切削参数	产品图片	规格型号	边长 L	刀尖 r _e	ZN60	ZM36	ZM36H	ZC250	ZC251	ZC325	ZP152	ZP163	ZP164	ZP165	ZP166	
应用	切削参数	产品图片	规格型号	边长 L	刀尖 r _e	ZN60	ZM36	ZM36H	ZC250	ZC251	ZC325	ZP152	ZP163	ZP164	ZP165	ZP166	
半精加工			SNMG 120404-HS1 120408-HS1 120412-HS1	12.3 11.9 11.5	0.4 0.8 1.2	●	●	●	●	●	●	●	●	●	●	●	
半精加工			SNMG 120404-TM1 120408-TM1 120412-TM1	12.3 11.9 11.5	0.4 0.8 1.2	●	●	●	●	●	●	●	●	●	●	●	
半精加工			SNMG 120404-GM1 120408-GM1 120412-GM1	12.3 11.9 11.5	0.4 0.8 1.2	●	●	●	●	●	●	●	●	●	●	●	
粗加工			SNMG 120404-R-S 120408R-S 120412R-S	12.3 11.9 11.5	0.4 0.8 1.2	●	●	●	●	●	●	●	●	●	●	●	
粗加工			SNMG 120404L-S 120408L-S 120412L-S	12.3 11.9 11.5	0.4 0.8 1.2	●	●	●	●	●	●	●	●	●	●	●	
半精加工			SNMG 120404-MA1 120408-MA1 120412-MA1	12.3 11.9 11.5	0.4 0.8 1.2	●	●	●	●	●	●	●	●	●	●	●	
半精加工粗加工			SNMG 120404-MM1 120408-MM1 120412-MM1 150608-MM1 150612-MM1 150616-MM1	12.3 11.9 11.5 15.0 14.6 14.2	0.4 0.8 1.2 0.8 1.2 1.6	●	●	●	●	●	●	●	●	●	●	●	
半精加工			SNMG 120404-MT1 120408-MT1 120412-MT1	12.3 11.9 11.5	0.4 0.8 1.2	●	●	●	●	●	●	●	●	●	●	●	
半精加工			SNMG 120404-HQ1 120408-HQ1 120412-HQ1	12.3 11.9 11.5	0.4 0.8 1.2	●	●	●	●	●	●	●	●	●	●	●	

		切削形态: Cutting Environment				● 稳定切削 Stable Cutting				● 一般切削 General Cutting				✘ 不稳定切削 Unstable Cutting			
P	钢	Steel															
M	不锈钢	Stainless Steel															
K	铸铁	Iron															
N	铝/铜/镁/锌/塑料/木材	Aluminum/Copper/Magnesium/Zinc/Plastic/Wood															
S	硬质合金/粉末冶金	Carbide/Powder Metallurgy															
H	钛/高温合金/碳纤维	Titanium/Superalloy/Carbon Fiber															
用途	切削参数	产品图片	规格型号	边长 L	刀尖 r _e	ZP195	ZM36	ZM36H	ZC250	ZC251	ZC325	ZP152	ZP163	ZP164	ZP165	ZK50	ZK50S
应用	切削参数	产品图片	规格型号	边长 L	刀尖 r _e	ZP195	ZM36	ZM36H	ZC250	ZC251	ZC325	ZP152	ZP163	ZP164	ZP165	ZK50	ZK50S
半精加工			SNMG 120404-MK1 120408-MK1 120412-MK1	12.3 11.9 11.5	0.4 0.8 1.2	●	●	●	●	●	●	●	●	●	●	●	●
半精加工粗加工			SNMG 090304-MS 090308-MS 120404-MS 120408-MS 120412-MS 120416-MS 150608-MS 150612-MS 150616-MS 190608-MS 190612-MS 190616-MS 190624-MS 250724-MS 250924-MS	9.1 8.7 12.3 11.9 11.5 11.1 15.0 14.6 14.2 18.2 17.8 17.4 16.6 23.0 23.0	0.4 0.8 0.8 0.8 1.2 1.6 0.8 1.2 1.6 0.8 1.2 1.6 2.4 2.4 2.4	●	●	●	●	●	●	●	●	●	●	●	
粗加工			SNMA 090304 090308 120404 120408 120412 120416 150608 150612 150616 190608 190612 190616 190624 250724 250924	9.1 8.7 12.3 11.9 11.5 11.1 15.0 14.6 14.2 18.2 17.8 17.4 16.6 23.0 23.0	0.4 0.8 0.8 0.8 1.2 1.6 0.8 1.2 1.6 0.8 1.2 1.6 2.4 2.4 2.4	●	●	●	●	●	●	●	●	●	●	●	
粗加工			SNMG 120408-PR 120412-PR 120416-PR 150608-PR 150612-PR 150616-PR 150624-PR 190612-PR 190616-PR 190624-PR	11.9 11.5 11.1 15.0 14.6 14.2 13.4 17.8 17.4 16.6	0.8 1.2 1.6 0.8 1.2 1.6 2.4 1.2 1.6 2.4	●	●	●	●	●	●	●	●	●	●	●	
推重切削粗加工			SNMM 120408-PR 120412-PR 120416-PR 150608-PR 150612-PR 150616-PR 150624-PR 190612-PR 190616-PR 190624-PR	11.9 11.5 11.1 15.0 14.6 14.2 13.4 17.8 17.4 16.6	0.8 1.2 1.6 0.8 1.2 1.6 2.4 1.2 1.6 2.4	●	●	●	●	●	●	●	●	●	●	●	
半精加工			SNMG 120404N-GH 120408N-GH 120412N-GH	12.3 11.9 11.5	0.4 0.8 1.2	●	●	●	●	●	●	●	●	●	●	●	●

数控刀片

CN
DN
RN
KN
175

SN
TN
VN
WN

CC
DC
RC
SC
WB
TB
TC
TP
VB
VC

三角浅槽
TGF
GBA
T.N/E

小零件
CTP
TKF

切槽切断
MG.
MR.
SP.
GM.
TD.

后车削
ABS
TBP
TKFB

内孔切槽
T.N/E
GE.
GR

螺纹车削刀片

铣削刀片

数控
刀片

CN
DN
RN
KN
175
SN
TN
VN
WN

CC
DC
RC
SC
WB
TB
TC
TP
VB
VC

三角
浅槽
TGF
GBA
T.N/E

小
零件
CTP
TKF

切槽
切断
MG.
MR.
SP.
GM.
TD.

后
车削
ABS
TBP
TKFB

内孔
切槽
T.N/E
GE.
GR

螺
纹
车
刀片

铣
削
刀片

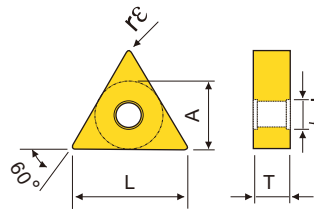
TN 60° 三角形 负角 有孔刀片

➔ 外圆车刀 (External Toolholder): B19-B24
小零件专用 (Small Parts Toolholder): AB31
内孔车刀 (Internal Toolholder): B67-B72

Model	A	T	φd
TN..1103..	6.35	3.18	2.40
TN..1603..	9.525	3.18	3.81
TN..1604..	9.525	4.76	3.81
TN..2204..	12.7	4.76	5.16
TN..2706..	15.875	6.35	6.35
TN..3307..	19.05	7.94	7.93
TN..3309..	19.05	9.52	7.93

切削线速度 (Cutting Speed): m/min⁻¹

加工材料	PCD	CBN-K	CBN-S	ZN60	ZN90	ZK01	ZC250	ZC251	ZC32S	ZP152	ZP153	ZP163	ZK50	ZK50S
材料特点	金刚石	铸铁专用	难切削材料	光洁度好	高速精加工	钢铝加工	CVD 钢件	CVD 钢件	钢件高速	不锈钢通用	不锈钢高速	高硬高速	CVD 铸铁	铸铁高速
P 低碳钢				150-600	150-800		70-500	150-500	150-600	70-250	100-250	80-300		
高碳钢				150-350	150-500		70-250	80-350	100-400					
淬硬钢 HRC46-58			10-30							20-80	20-80	20-80		
M 不锈钢				200-300	200-350					50-150	70-150	50-200		
灰口铸铁		300-1500		100-300	100-350								200-300	200-350
K 球墨铸铁/轧辊		400-800		100-200	100-250								150-200	150-250
镍/钛/塑料/木材	300-1200					300-1200								
N 铝合金 HB50-70	300-1500					300-1500								
淬硬铝合金 HB70-110	300-800					300-800								
铜/青铜/黄铜	300-1000					300-1000								
S 硬质合金/粉末冶金	10-30					10-30						20-50		
硅填充塑料/硬质纤维	400-600					400-600								
H 钛/高温合金/碳纤维	100-200					100-200				20-50	20-60	30-80		



应用	切削参数	产品图片	规格型号	边长 L	刀尖 rE	切削形态									
						● 稳定切削	● 一般切削	✘ 不稳定切削	● 稳定切削	● 一般切削	✘ 不稳定切削				
精加工			TNMG 160402 160404 160408 160412	16.0 15.5 14.5 13.5	0.2 0.4 0.8 1.2	●	●	●	●	●	●	●	●	●	●
精加工			TNMG 160402-3T 160404-3T 160408-3T 160412-3T	16.0 15.5 14.5 13.5	0.2 0.4 0.8 1.2	●	●	●	●	●	●	●	●	●	●
精加工			TNMG 160402 160404 160408 160412	16.0 15.5 14.5 13.5	0.2 0.4 0.8 1.2	●	●	●	●	●	●	●	●	●	●
精加工			TNMG 160402-AL 160404-AL 160408-AL 160412-AL	16.0 15.5 14.5 13.5	0.2 0.4 0.8 1.2	●	●	●	●	●	●	●	●	●	●
精加工			TNGW 160402 160404 160408 160412	16.0 15.5 14.5 13.5	0.2 0.4 0.8 1.2	●	●	●	●	●	●	●	●	●	●
精加工			TNMG 160402-3T 160404-3T 160408-3T 160412-3T	16.0 15.5 14.5 13.5	0.2 0.4 0.8 1.2	●	●	●	●	●	●	●	●	●	●

应用	切削参数	产品图片	规格型号	边长 L	刀尖 rE	切削形态									
						● 稳定切削	● 一般切削	✘ 不稳定切削	● 稳定切削	● 一般切削	✘ 不稳定切削				
精加工			TNMG 160404-HA1 160408-HA1 160412-HA1	15.5 14.5 13.5	0.4 0.8 1.2	●	●	●	●	●	●	●	●	●	●
精加工			TNMG 160401R-S 160402R-S 160404R-S	16.2 16.0 15.5	0.1 0.2 0.4	●	●	●	●	●	●	●	●	●	●
精加工			TNMG 160401L-S 160402L-S 160404L-S	16.2 16.0 15.5	0.1 0.2 0.4	●	●	●	●	●	●	●	●	●	●
精加工			TNMG 160401R-P 160402R-P 160404R-P	16.2 16.0 15.5	0.1 0.2 0.4	●	●	●	●	●	●	●	●	●	●
精加工			TNMG 160401L-P 160402L-P 160404L-P	16.2 16.0 15.5	0.1 0.2 0.4	●	●	●	●	●	●	●	●	●	●
精加工			TNMG 160401FN 160402FN 160404FN	16.2 16.0 15.5	0.1 0.2 0.4	●	●	●	●	●	●	●	●	●	●

TN..负角刀片

TN.. Double Sided Cutting Edge Inserts

		切削形态: Cutting Environment				应用											
		● 稳定切削 Stable Cutting	● 一般切削 General Cutting	✘ 不稳定切削 Unstable Cutting													
P	钢 Steel																
M	不锈钢 Stainless Steel																
K	铸铁 Iron																
N	铝/铜/镁/锌/塑料/木材 Aluminum/Copper/Magnesium/Zinc/Plastic/Wood																
S	硬质合金/粉末冶金 Carbide/Powder Metallurgy																
H	钛/高温合金/碳纤维 Titanium/Superalloy/Carbon Fiber																
用途 Application	切削参数 Cutting Parameter	产品图片 Product Image	规格型号 Specification	边长 L	刀尖 r _e	ZN60	ZM36	ZC250	ZC251	ZC325	ZP152	ZP153	ZP154	ZP163	ZP164	ZP165	
精加工 Finishing			TNMG 160404-MF1 160408-MF1	15.5 14.5	0.4 0.8	●	●										
半精加工粗加工 Semi-Finishing - Roughing			TNMG 160404-PM 160408-PM 160412-PM 220404-PM 220408-PM 220412-PM 220416-PM	15.5 14.5 13.5 21.0 20.0 19.0 18.2	0.4 0.8 1.2 0.4 0.8 1.2 1.6	●	●	●	●	●	●	●	●	●	●	●	
半精加工粗加工 Semi-Finishing - Roughing			TNMG 160404-MM1 160408-MM1 160412-MM1 220404-MM1 220408-MM1 220412-MM1 220416-MM1	15.5 14.5 13.5 21.0 20.0 19.0 18.2	0.4 0.8 1.2 0.4 0.8 1.2 1.6	●	●	●	●	●	●	●	●	●	●	●	
半精加工 Semi-Finishing			TNMG 160404-MA1 160408-MA1 160412-MA1	15.5 14.5 13.5	0.4 0.8 1.2	●	●	●	●	●	●	●	●	●	●	●	●
半精加工粗加工 Semi-Finishing - Roughing			TNMG 160404-CQ1 160408-CQ1 160412-CQ1	15.5 14.5 13.5	0.4 0.8 1.2	●	●	●	●	●	●	●	●	●	●	●	●
半精加工 Semi-Finishing			TNMG 160404-MT1 160408-MT1 160412-MT1	15.5 14.5 13.5	0.4 0.8 1.2	●	●	●	●	●	●	●	●	●	●	●	●
半精加工粗加工 Semi-Finishing - Roughing			TNMG 160404-HQ1 160408-HQ1 160412-HQ1	15.5 14.5 13.5	0.4 0.8 1.2	●	●	●	●	●	●	●	●	●	●	●	●
半精加工 Semi-Finishing			TNMG 160404-MQ1 160408-MQ1 160412-MQ1	15.5 14.5 13.5	0.4 0.8 1.2	●	●	●	●	●	●	●	●	●	●	●	●
半精加工 Semi-Finishing			TNMG 160404-HS1 160408-HS1 160412-HS1	15.5 14.5 13.5	0.4 0.8 1.2	●	●	●	●	●	●	●	●	●	●	●	●

		切削形态: Cutting Environment				应用											
		● 稳定切削 Stable Cutting	● 一般切削 General Cutting	✘ 不稳定切削 Unstable Cutting													
P	钢 Steel																
M	不锈钢 Stainless Steel																
K	铸铁 Iron																
N	铝/铜/镁/锌/塑料/木材 Aluminum/Copper/Magnesium/Zinc/Plastic/Wood																
S	硬质合金/粉末冶金 Carbide/Powder Metallurgy																
H	钛/高温合金/碳纤维 Titanium/Superalloy/Carbon Fiber																
用途 Application	切削参数 Cutting Parameter	产品图片 Product Image	规格型号 Specification	边长 L	刀尖 r _e	ZN60	ZM36	ZC250	ZC251	ZC325	ZP152	ZP153	ZP154	ZP163	ZP164	ZP165	
精加工 Finishing			TNMG 160404-TS1 160408-TS1 160412-TS1	15.5 14.5 13.5	0.4 0.8 1.2	●	●										
精加工 Finishing			TNMG 160404-PF 160408-PF	15.5 14.5	0.4 0.8	●	●	●	●	●	●	●	●	●	●	●	●
精加工 Finishing			TNMG 160404-MSF 160408-MSF	15.5 14.5	0.4 0.8	●	●										
半精加工粗加工 Semi-Finishing - Roughing			TNMG 160404-SM1 160408-SM1	15.5 14.5	0.4 0.8	●	●										
半精加工粗加工 Semi-Finishing - Roughing			TNMG 110308-MS 160404-MS 160408-MS 160412-MS 160416-MS 220404-MS 220408-MS 220412-MS 220416-MS 270608-MS 270612-MS 270616-MS 330716-MS 330916-MS 330924-MS	9.0 15.5 14.5 13.5 12.5 21.0 20.0 19.0 18.2 25.5 24.5 23.5 29.0 29.0 27.1	0.8 0.4 0.8 1.2 1.6 0.4 0.8 1.2 1.6 0.8 1.2 1.6 1.6 1.6 1.6 2.4	●	●	●	●	●	●	●	●	●	●	●	
粗加工 Roughing			TNMA 160404 160408 160412 160416 220408 220412 220416 270612 270616	15.5 14.5 13.5 12.5 20.0 19.0 18.2 24.4 23.3	0.4 0.8 1.2 1.6 0.8 1.2 1.6 1.2 1.6	●	●	●	●	●	●	●	●	●	●	●	
粗加工 Roughing			TNMG 160404-PR 160412-PR 160416-PR 220408-PR 220412-PR 220416-PR 270612-PR	15.5 14.5 13.5 21.0 20.0 19.0 24.5	0.4 0.8 1.2 0.8 1.2 1.6 1.2	●	●	●	●	●	●	●	●	●	●	●	
半精加工粗加工 Semi-Finishing - Roughing			TNMM 160408-PR 160412-PR 220408-PR 220416-PR 270612-PR 270616-PR	11.6 15.3 14.8 14.4 18.1 17.7 25.8	1.2 0.8 1.2 1.6 1.2 1.6 2.4	●	●	●	●	●	●	●	●	●	●	●	

数控刀片

CN
DN
RN
KN
175
SN

TN
VN
WN

CC
DC
RC
SC
WB
TB
TC
TP
VB
VC

三角
浅槽
TGF
GBA
T.N/E

小零件
CTP
TKF

切槽
切斷
MG.
MR.
SP.
GM.
TD.

后车削
ABS
TBP
TKFB

内孔切槽
T.N/E
GE.
GR

螺纹
车削
刀片

铣削
刀片

数控
刀片

CN
DN
RN
KN
175
SN

TN
VN
WN

CC
DC
RC
SC
WB
TB
TC
TP
VB
VC

三角
浅槽
TGF
GBA
T.N/E

小
零件
CTP
TKF

切槽
切断
MG.
MR.
SP.
GM.
TD.

后
车削
ABS
TBP
TKFB

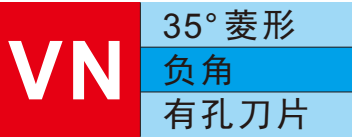
内孔
切槽
T.N/E
GE.
. GR

螺
纹
车
削
刀
片

铣
削
刀
片

(mm)

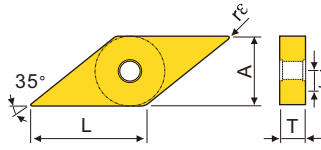
Model	A	T	φd
VN..1604..	9.525	4.76	3.81
VN..2204..	12.7	4.73	5.16



➔ 外圆车刀 (External Toolholder): B25-B28
内孔车刀 (Internal Toolholder): B79-B80

切削线速度 (Cutting Speed): m/min⁻¹

加工材料	PCD	CBN-K	CBN-S	ZN60	ZN90	ZK01	ZC250	ZC251	ZC32S	ZP152	ZP153	ZP163	ZK50	ZK50S
材料特点	金刚石	铸铁专用	难切削材料	光洁度好	高速精加工	钢铝加工	CVD 钢件	CVD 钢件	钢件高速	不锈钢通用	不锈钢高速	高硬高速	CVD 铸铁	铸铁高速
P 低碳钢				150-600	150-800		70-500	150-500	150-600	70-250	100-250	80-300		
高碳钢				150-350	150-500		70-250	80-350	100-400					
淬硬钢 HRC46-58			10-30							20-80	20-80	20-80		
M 不锈钢				200-300	200-350					50-150	70-150	50-200		
灰口铸铁		300-1500		100-300	100-350								200-300	200-350
K 球墨铸铁/轧辊		400-800		100-200	100-250								150-200	150-250
钛/铸/塑料/木材	300-1200					300-1200								
N 铝合金 HB50-70	300-1500					300-1500								
淬硬铝合金 HB70-110	300-800					300-800								
铜/青铜/黄铜	300-1000					300-1000								
S 硬质合金/粉末冶金	10-30					10-30						20-50		
硅填充塑料/硬质纤维	400-600					400-600								
H 钛/高温合金/碳纤维	100-200					100-200				20-50	20-60	30-80		



应用	切削参数	产品图片	规格型号	边长 L	刀尖 r _e	应用
P 钢						●
M 不锈钢						●
K 铸铁						●
N 铝/铜/镁/锌/塑料/木材						●
S 硬质合金/粉末冶金						●
H 钛/高温合金/碳纤维						●

应用	切削参数	产品图片	规格型号	边长 L	刀尖 r _e	应用
P 钢						●
M 不锈钢						●
K 铸铁						●
N 铝/铜/镁/锌/塑料/木材						●
S 硬质合金/粉末冶金						●
H 钛/高温合金/碳纤维						●

应用	切削参数	产品图片	规格型号	边长 L	刀尖 r _e	应用
精加工			VNGA 160402 160404 160408 160412	16.1 15.6 14.6 13.6	0.2 0.4 0.8 1.2	● ● ● ●
精加工			VNGA 160402-2T 160404-2T 160408-2T 160412-2T	16.1 15.6 14.6 13.6	0.2 0.4 0.8 1.2	● ● ● ●
精加工			VNMG 160402 160404 160408 160412	16.1 15.6 14.6 13.6	0.2 0.4 0.8 1.2	● ● ● ●
精加工			VNMG 120402-AL 120404-AL 120408-AL 120412-AL	16.1 15.6 14.6 13.6	0.2 0.4 0.8 1.2	● ● ● ●
精加工			VNGW 160402 160404 160408 160412	16.1 15.6 14.6 13.6	0.2 0.4 0.8 1.2	● ● ● ●
精加工			VNMG 160402-2T 160404-2T 160408-2T 160412-2T	16.1 15.6 14.6 13.6	0.2 0.4 0.8 1.2	● ● ● ●

应用	切削参数	产品图片	规格型号	边长 L	刀尖 r _e	应用
精加工			VNMG 160402R-F 160404R-F	16.1 15.6	0.2 0.4	● ●
精加工			VNMG 160402L-F 160404L-F	16.1 15.6	0.2 0.4	● ●
精加工			VNMG 160402R-H 160404R-H	16.1 15.6	0.2 0.4	● ●
精加工			VNMG 160402L-H 160404L-H	16.1 15.6	0.2 0.4	● ●
精加工/半精加工			VNMG 160404N-GH 160408N-GH 160412N-GH	15.6 14.6 13.6	0.4 0.8 1.2	● ● ●
半精加工			VNMG 160402-99 160404-99 160408-99	16.1 15.6 14.6	0.2 0.4 0.8	● ● ●

VN..负角刀片

VN.. Double Sided Cutting Edge Inserts

		切削形态: Cutting Environment																
		● 稳定切削 Stable Cutting		● 一般切削 General Cutting		✘ 不稳定切削 Unstable Cutting												
P	钢 Steel																	
M	不锈钢 Stainless Steel																	
K	铸铁 Iron																	
N	铝/铜/镁/锌/塑料/木材 Aluminum/Copper/Magnesium/Zinc/Plastic/Wood																	
S	硬质合金/粉末冶金 Carbide/Powder Metallurgy																	
H	钛/高温合金/碳纤维 Titanium/Superalloy/Carbon Fiber																	
Application	用途	切削参数 Cutting Parameter	产品图片 Product Image	规格型号 Specification	边长 L	刀尖 r _c	ZN60	ZN90	ZN90	ZK01	ZC250	ZC251	ZN705	ZP152	ZP153	ZN161	ZN162	ZN163
半精加工	半精加工			VNMG 160404-41 160408-41 160412-41	15.6 14.6 13.6	0.4 0.8 1.2	●	●	●	●	●	●	●	●	●	●	●	●
半精加工	半精加工			VNMG 160404-MA1 160408-MA1 160412-MA1	15.6 14.6 13.6	0.4 0.8 1.2	●	●	●	●	●	●	●	●	●	●	●	●
半精加工下粗加工	半精加工下粗加工			VNMG 160404-MM1 160408-MM1	15.6 14.6	0.4 0.8	●	●	●	●	●	●	●	●	●	●	●	●
半精加工	半精加工			VNMG 160404-MT1 160408-MT1 160412-MT1	15.6 14.6 13.6	0.4 0.8 1.2	●	●	●	●	●	●	●	●	●	●	●	●
半精加工	半精加工			VNMG 160404-HQ1 160408-HQ1 160412-HQ1	15.6 14.6 13.6	0.4 0.8 1.2	●	●	●	●	●	●	●	●	●	●	●	●
半精加工	半精加工			VNMG 160404-HS1 160408-HS1 160412-HS1	15.6 14.6 13.6	0.4 0.8 1.2	●	●	●	●	●	●	●	●	●	●	●	●
半精加工	半精加工			VNMG 160404-TM1 160408-TM1 160412-TM1	15.6 14.6 13.6	0.4 0.8 1.2	●	●	●	●	●	●	●	●	●	●	●	●
半精加工	半精加工			VNMG 160404-GM1 160408-GM1 160412-GM1	15.6 14.6 13.6	0.4 0.8 1.2	●	●	●	●	●	●	●	●	●	●	●	●
半精加工下粗加工	半精加工下粗加工			VNMG 160404-MS 160408-MS 160412-MS	15.6 14.6 13.6	0.4 0.8 1.2	●	●	●	●	●	●	●	●	●	●	●	●

		切削形态: Cutting Environment																
		● 稳定切削 Stable Cutting		● 一般切削 General Cutting		✘ 不稳定切削 Unstable Cutting												
P	钢 Steel																	
M	不锈钢 Stainless Steel																	
K	铸铁 Iron																	
N	铝/铜/镁/锌/塑料/木材 Aluminum/Copper/Magnesium/Zinc/Plastic/Wood																	
S	硬质合金/粉末冶金 Carbide/Powder Metallurgy																	
H	钛/高温合金/碳纤维 Titanium/Superalloy/Carbon Fiber																	
Application	用途	切削参数 Cutting Parameter	产品图片 Product Image	规格型号 Specification	边长 L	刀尖 r _c	ZN60	ZN90	ZN90	ZK01	ZC250	ZC251	ZN705	ZP152	ZP153	ZN161	ZN162	ZN163
粗加工	粗加工			VNMA 160404 160408 160412	15.6 14.6 13.6	0.4 0.8 1.2	●	●	●	●	●	●	●	●	●	●	●	●
粗加工	粗加工			VNMG 160408-PR 160412-PR	14.6 13.6	0.8 1.2	●	●	●	●	●	●	●	●	●	●	●	●
精加工下粗加工	精加工下粗加工			VNMG 160404-HA1 160408-HA1 160412-HA1	15.6 14.6 13.6	0.4 0.8 1.2	●	●	●	●	●	●	●	●	●	●	●	●
精加工	精加工			VNMG 160404-PF 160408-PF	15.6 14.6	0.4 0.8	●	●	●	●	●	●	●	●	●	●	●	●
精加工	精加工			VNMG 160404-MSF 160408-MSF	15.6 14.6	0.4 0.8	●	●	●	●	●	●	●	●	●	●	●	●
半精加工	半精加工			VNMG 160404-MF1 160408-MF1	15.6 14.6	0.4 0.8	●	●	●	●	●	●	●	●	●	●	●	●
半精加工下粗加工	半精加工下粗加工			VNMG 160404-PM 160408-PM 160412-PM	15.6 14.6 13.6	0.4 0.8 1.2	●	●	●	●	●	●	●	●	●	●	●	●

数控刀片

- CN
- DN
- RN
- KN
- 175
- SN
- TN
- VN**
- WN

- CC
- DC
- RC
- SC
- WB
- TB
- TC
- TP
- VB
- VC

三角浅槽
TGF
GBA
T.N/E

小零件
CTP
TKF

切槽切断
MG.
MR.
SP.
GM.
TD.

后车削
ABS
TBP
TKFB

内孔切槽
T.N/E
GE.
.GR

螺纹车削刀片

铣削刀片

数控
刀片

CN
DN
RN
KN
175
SN
TN
VN
WN

CC
DC
RC
SC
WB
TB
TC
TP
VB
VC

三角
浅槽
TGF
GBA
T.N/E

小
零件
CTP
TKF

切槽
切断
MG.
MR.
SP.
GM.
TD.

后
车削
ABS
TBP
TKFB

内孔
切槽
T.N/E
GE.
GR

螺
纹
车
削
刀
片

铣
削
刀
片

80° 桃形

负角

有孔刀片

WN

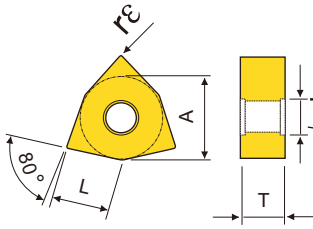
➔ 外圆车刀 (External Toolholder): B29-B30
内孔车刀 (Internal Toolholder): B81-B82

(mm)

Model	A	T	φd
WN..0603..	9.525	3.18	3.81
WN..0604..	9.525	4.76	3.81
WN..0804..	12.7	4.76	5.16

切削线速度 (Cutting Speed): m/min⁻¹

加工材料	刀具材质	PCD	CBN-K	CBN-S	ZN60	ZN90	ZK01	ZC250	ZC251	ZC32S	ZP152	ZP153	ZP163	ZK50	ZK50S
材料特点		金刚石	铸铁专用	难切削材料	光洁度好	高速精加工	钢铝加工	CVD 钢件	CVD 钢件	钢件高速	不锈钢通用	不锈钢高速	高硬高速	CVD 铸铁	铸铁高速
P 低碳钢					150-600	150-800		70-500	150-500	150-600	70-250	100-250	80-300		
M 高碳钢					150-350	150-500		70-250	80-350	100-400					
K 淬硬钢 HRC46-58				10-30							20-80	20-60	20-80		
M 不锈钢					200-300	200-350					50-150	70-150	50-200		
K 灰口铸铁			300-1500		100-300	100-350								200-300	200-350
K 球墨铸铁/轧辊			400-800		100-200	100-250								150-200	150-250
N 镁/铝/铜/锌/塑料/木材	300-1200						300-1200								
N 铝合金 HB50-70	300-1500						300-1500								
N 淬硬铝合金 HB70-110	300-800						300-800								
N 铜/青铜/黄铜	300-1000						300-1000								
S 硬质合金/粉末冶金	10-30						10-30						20-50		
S 硅填充塑料/硬质纤维	400-600						400-600								
H 钛/高温合金/碳纤维	100-200						100-200				20-50	20-60	30-80		



切削形态: ● 稳定切削 ● 一般切削 ✘ 不稳定切削
Cutting Environment Stable Cutting General Cutting Unstable Cutting

应用	切削参数	产品图片	规格型号	边长 L	刀尖 rε	应用
P 钢						●
M 不锈钢						●
K 铸铁						●
N 铝/铜/镁/锌/塑料/木材						●
S 硬质合金/粉末冶金						●
H 钛/高温合金/碳纤维						●

应用	切削参数	产品图片	规格型号	边长 L	刀尖 rε	应用
精加工			WNGA 080402 080404 080408 080412	8.7 8.4 8.3 8.2	0.2 0.4 0.8 1.2	● ● ● ●
精加工			WNGA 080402-3T 080404-3T 080408-3T 080412-3T	8.7 8.4 8.3 8.2	0.2 0.4 0.8 1.2	● ● ● ●
精加工			WNMG 080402 080404 080408 080412	8.7 8.4 8.3 8.2	0.2 0.4 0.8 1.2	● ● ● ●
精加工			WNMG 080402-AL 080404-AL 080408-AL 080412-AL	8.7 8.4 8.3 8.2	0.2 0.4 0.8 1.2	● ● ● ●
精加工			WNGW 080402 080404 080408 080412	8.7 8.4 8.3 8.2	0.2 0.4 0.8 1.2	● ● ● ●
精加工			WNMG 080402-3T 080404-3T 080408-3T 080412-3T	8.7 8.4 8.3 8.2	0.2 0.4 0.8 1.2	● ● ● ●

切削形态: ● 稳定切削 ● 一般切削 ✘ 不稳定切削
Cutting Environment Stable Cutting General Cutting Unstable Cutting

应用	切削参数	产品图片	规格型号	边长 L	刀尖 rε	应用
P 钢						●
M 不锈钢						●
K 铸铁						●
N 铝/铜/镁/锌/塑料/木材						●
S 硬质合金/粉末冶金						●
H 钛/高温合金/碳纤维						●

应用	切削参数	产品图片	规格型号	边长 L	刀尖 rε	应用
精加工-半精加工			WNMG080404-HA1 080408-HA1 080412-HA1	8.4 8.3 8.2	0.4 0.8 1.2	● ● ●
精加工			WNMG080404-TS1 080408-TS1 080412-TS1	8.4 8.3 8.2	0.4 0.8 1.2	● ● ●
精加工			WNMG060404-PF 060408-PF 080404-PF 080408-PF	6.2 6.1 8.4 8.3	0.4 0.8 0.4 0.8	● ● ● ●
精加工			WNMG060304-MSF 060404-MSF 080404-MSF 080408-MSF	6.2 6.2 8.4 8.3	0.4 0.4 0.4 0.8	● ● ● ●
精加工			WNMG060404-MF1 060408-MF1 080404-MF1 080408-MF1	6.2 6.1 8.4 8.3	0.4 0.8 0.4 0.8	● ● ● ●
半精加工			WNMG080404-HQ1 080408-HQ1 080412-HQ1	8.4 8.3 8.2	0.4 0.8 1.2	● ● ●

WN..负角刀片

WN.. Double Sided Cutting Edge Inserts

		切削形态: Cutting Environment				应用																	
		● 稳定切削 Stable Cutting	● 一般切削 General Cutting	✘ 不稳定切削 Unstable Cutting																			
P	钢 Steel	●	●	✘	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
M	不锈钢 Stainless Steel	●	●	✘	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
K	铸铁 Iron	●	●	✘	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
N	铝/铜/镁/锌/塑料/木材 Aluminum/Copper/Magnesium/Zinc/Plastic/Wood	●	●	✘	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
S	硬质合金/粉末冶金 Carbide/Powder Metallurgy	●	●	✘	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
H	钛/高温合金/碳纤维 Titanium/Superalloy/Carbon Fiber	●	●	✘	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
应用	用途 Application	切削参数 Cutting Parameter	产品图片 Product Image	规格型号 Specification	边长 L	刀尖 r _c	ZN60	ZN80	ZN90	ZM60	ZM80	ZM90	ZK01	ZC250	ZC251	ZN705	ZP152	ZP163	ZP164	ZP165	ZK50	ZK50S	
半精加工+粗加工	半精加工+粗加工			WNMG 060404-PM 060408-PM 080404-PM 080408-PM 080412-PM	6.2 6.1 8.4 8.3 8.2	0.4 0.8 0.4 0.8 1.2	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
半精加工	半精加工			WNMG 080404-MQ1 080408-MQ1 080412-MQ1	8.4 8.3 8.2	0.4 0.8 1.2	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
半精加工	半精加工			WNMG 080404-MA1 080408-MA1 080412-MA1	8.4 8.3 8.2	0.4 0.8 1.2	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
半精加工	半精加工			WNMG 080404-MK1 080408-MK1 080412-MK1	8.4 8.3 8.2	0.4 0.8 1.2	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
半精加工+粗加工	半精加工+粗加工			WNMG 060404-MM1 060408-MM1 060412-MM1 080404-MM1 080408-MM1 080412-MM1	6.2 6.1 6.0 8.4 8.3 8.2	0.4 0.8 1.2 0.4 0.8 1.2	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
半精加工	半精加工			WNMG 080404-MT1 080408-MT1 080412-MT1	8.4 8.3 8.2	0.4 0.8 1.2	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
半精加工	半精加工			WNMG 080404-HS1 080408-HS1 080412-HS1	8.4 8.3 8.2	0.4 0.8 1.2	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
半精加工	半精加工			WNMG 080404-TM1 080408-TM1 080412-TM1	8.4 8.3 8.2	0.4 0.8 1.2	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
半精加工	半精加工			WNMG 080404-GM1 080408-GM1 080412-GM1	12.4 12.0 11.6	0.4 0.8 1.2	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

		切削形态: Cutting Environment				应用																	
		● 稳定切削 Stable Cutting	● 一般切削 General Cutting	✘ 不稳定切削 Unstable Cutting																			
P	钢 Steel	●	●	✘	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
M	不锈钢 Stainless Steel	●	●	✘	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
K	铸铁 Iron	●	●	✘	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
N	铝/铜/镁/锌/塑料/木材 Aluminum/Copper/Magnesium/Zinc/Plastic/Wood	●	●	✘	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
S	硬质合金/粉末冶金 Carbide/Powder Metallurgy	●	●	✘	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
H	钛/高温合金/碳纤维 Titanium/Superalloy/Carbon Fiber	●	●	✘	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
应用	用途 Application	切削参数 Cutting Parameter	产品图片 Product Image	规格型号 Specification	边长 L	刀尖 r _c	ZN60	ZN80	ZN90	ZM60	ZM80	ZM90	ZK01	ZC250	ZC251	ZN705	ZP152	ZP163	ZP164	ZP165	ZK50	ZK50S	
半精加工	半精加工			WNMG 080404-CQ1 080408-CQ1 080412-CQ1	8.4 8.3 8.2	0.4 0.8 1.2	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
半精加工+粗加工	半精加工+粗加工			WNMG 080404-PC1 080408-PC1 080412-PC1	8.4 8.3 8.2	0.4 0.8 1.2	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
半精加工+粗加工	半精加工+粗加工			WNMG 080404-CM1 080408-CM1 080412-CM1	8.4 8.3 8.2	0.4 0.8 1.2	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
半精加工+粗加工	半精加工+粗加工			WNMG 080404-MS 080408-MS 080412-MS	8.4 8.3 8.2	0.4 0.8 1.2	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
半精加工	半精加工			WNMG 080404-43 080408-43 080412-43	8.4 8.3 8.2	0.4 0.8 1.2	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
半精加工+粗加工	半精加工+粗加工			WNMG 080404R-S 080408R-S 080412R-S	8.4 8.3 8.2	0.4 0.8 1.2	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
半精加工+粗加工	半精加工+粗加工			WNMG 080404L-S 080408L-S 080412L-S	8.4 8.3 8.2	0.4 0.8 1.2	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
半精加工	半精加工			WNMA 060404 060408 060412 080404 080408 080412 080416	6.2 6.1 6.0 8.4 8.3 8.2 8.1	0.4 0.8 1.2 0.4 0.8 1.2 1.6	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
粗加工	粗加工			WNMG 080408-PR 080412-PR 080416-PR	8.3 8.2 8.1	0.8 1.2 1.6	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

数控刀片

CN
DN
RN
KN
175
SN
TN
VN
WN

CC
DC
RC
SC
WB
TB
TC
TP
VB
VC

三角
浅槽
TGF
GBA
T.N/E

小零件
CTP
TKF

切槽
切断
MG.
MR.
SP.
GM.
TD.

后车削
ABS
TBP
TKFB

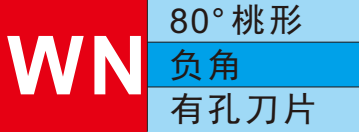
内孔切槽
T.N/E
GE.
GR

螺纹
车削
刀片

铣削
刀片

(mm)

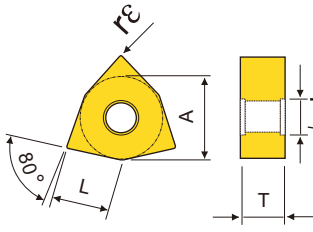
Model	A	T	φd
WN..0603..	9.525	3.18	3.81
WN..0604..	9.525	4.76	3.81
WN..0804..	12.7	4.76	5.16



✎ 外圆车刀 (External Toolholder): B29-B30
内孔车刀 (Internal Toolholder): B81-B82

切削线速度 (Cutting Speed): m/min^{-1}

加工材料	刀具材质	PCD	CBN-K	CBN-S	ZN60	ZN90	ZK01	ZC250	ZC251	ZC32S	ZP152	ZP153	ZP163	ZK50	ZK50S
低碳钢	材料特点	金刚石	铸铁专用	难切削材料	光洁度好	高速精加工	钢铝加工	CVD 钢件	CVD 钢件	钢件高速	不锈钢通用	不锈钢高速	高硬高速	CVD 铸铁	铸铁高速
P	高碳钢 淬硬钢 HRC46-58				150-600 150-350	150-800 150-500		70-500 70-250	150-500 80-350	150-600 100-400	70-250 70-150	100-250 80-150	80-300 60-200		
M	不锈钢				200-300	200-350					50-150	70-150	50-200		
K	灰口铸铁 球墨铸铁/轧辊		300-1500 400-800		100-300 100-200	100-350 100-250								200-300 150-200	200-350 150-250
N	铝/铜/镁/锌/塑料/木材 铝合金 HB50-70 淬硬铝合金 HB70-110 铜/青铜/黄铜	300-1200 300-1500 300-800 300-1000					300-1200 300-1500 300-800 300-1000								
S	硬质合金/粉末冶金 硅填充塑料/硬质纤维	10-30 400-600					10-30 400-600						20-50		
H	钛/高温合金/碳纤维	100-200					100-200				20-50	20-60	30-80		



切削形态: Cutting Environment	● 稳定切削 Stable Cutting	● 一般切削 General Cutting	✘ 不稳定切削 Unstable Cutting
P 钢 Steel	●●●●●●●●	●●●●●●●●	●●●●●●●●
M 不锈钢 Stainless Steel	●●●●●●●●	●●●●●●●●	●●●●●●●●
K 铸铁 Iron	●●●●●●●●	●●●●●●●●	●●●●●●●●
N 铝/铜/镁/锌/塑料/木材 Aluminum/Copper/Magnesium/Zinc/Plastic/Wood	●●●●●●●●	●●●●●●●●	●●●●●●●●
S 硬质合金/粉末冶金 Carbide/Powder Metallurgy	●●●●●●●●	●●●●●●●●	●●●●●●●●
H 钛/高温合金/碳纤维 Titanium/Superalloy/Carbon Fiber	●●●●●●●●	●●●●●●●●	●●●●●●●●

切削形态: Cutting Environment	● 稳定切削 Stable Cutting	● 一般切削 General Cutting	✘ 不稳定切削 Unstable Cutting
P 钢 Steel	●●●●●●●●	●●●●●●●●	●●●●●●●●
M 不锈钢 Stainless Steel	●●●●●●●●	●●●●●●●●	●●●●●●●●
K 铸铁 Iron	●●●●●●●●	●●●●●●●●	●●●●●●●●
N 铝/铜/镁/锌/塑料/木材 Aluminum/Copper/Magnesium/Zinc/Plastic/Wood	●●●●●●●●	●●●●●●●●	●●●●●●●●
S 硬质合金/粉末冶金 Carbide/Powder Metallurgy	●●●●●●●●	●●●●●●●●	●●●●●●●●
H 钛/高温合金/碳纤维 Titanium/Superalloy/Carbon Fiber	●●●●●●●●	●●●●●●●●	●●●●●●●●

用途 Application	切削参数 Cutting Parameter	产品图片 Product Image	规格型号 Specification	边长 L	刀尖 rE
半精加工 Semi-finishing			WNMG 080402-99 080404-99 080408-99	8.7 8.4 8.3	0.2 0.4 0.8

用途 Application	切削参数 Cutting Parameter	产品图片 Product Image	规格型号 Specification	边长 L	刀尖 rE
半精加工+粗加工 Semi-finishing-Roughing			WNMG080404R-VF 080408R-VF 080412R-VF	8.4 8.3 8.2	0.4 0.8 1.2

用途 Application	切削参数 Cutting Parameter	产品图片 Product Image	规格型号 Specification	边长 L	刀尖 rE
半精加工 Semi-finishing			WNMG080404N-GH 080408N-GH	8.4 8.3	0.4 0.8

用途 Application	切削参数 Cutting Parameter	产品图片 Product Image	规格型号 Specification	边长 L	刀尖 rE
半精加工+粗加工 Semi-finishing-Roughing			WNMG080404L-VF 080408L-VF 080412L-VF	8.4 8.3 8.2	0.4 0.8 1.2

数控刀片

CN
DN
RN
KN
175
SN
TN
VN

WN
CC
DC
RC
SC
WB
TB
TC
TP
VB
VC

三角浅槽
TGF
GBA
T.N/E

小零件
CTP
TKF

切槽
切断
MG.
MR.
SP.
GM.
TD.

后车削
ABS
TBP
TKFB

内孔切槽
T.N/E
GE.
GR

螺纹车削刀片

铣削刀片

数控
刀片

CN
DN
RN
KN
175
SN
TN
VN

WN

CC
DC
RC
SC
WB
TB
TC
TP
VB
VC

三角
浅槽
TGF
GBA
T.N/E

小
零件
CTP
TKF

切槽
切断
MG.
MR.
SP.
GM.
TD.

后
车削
ABS
TBP
TKFB

内孔
切槽
T.N/E
GE.
. GR

螺
纹
车
削
刀
片

铣
削
刀
片

DC..正角刀片

DC.. Single Side Cutting Edge Inserts

		切削形态: Cutting Environment				● 稳定切削 Stable Cutting				● 一般切削 General Cutting				✘ 不稳定切削 Unstable Cutting			
P	钢	Steel															
M	不锈钢	Stainless Steel															
K	铸铁	Iron															
N	铝/铜/镁/锌/塑料/木材	Aluminum/Copper/Magnesium/Zinc/Plastic/Wood															
S	硬质合金/粉末冶金	Carbide/Powder Metallurgy															
H	钛/高温合金/碳纤维	Titanium/Superalloy/Carbon Fiber															
用途	切削参数	产品图片	规格型号	边长 L	刀尖 r _c	ZN60	ZN80	ZN90	NC50	NC51	NC52	NC53	NC54	NC55	NC56	NC57	
精加工			DCGT 070201R-H 070202R-H 070204R-H 11T301R-H 11T302R-H 11T304R-H	7.8 7.5 7.3 11.5 11.4 11.2	0.1 0.2 0.4 0.1 0.2 0.4	●	●	●	●	●	●	●	●	●	●	●	
精加工			DCGT 070201L-H 070202L-H 070204L-H 11T301L-H 11T302L-H 11T304L-H	7.8 7.5 7.3 11.5 11.4 11.2	0.1 0.2 0.4 0.1 0.2 0.4	●	●	●	●	●	●	●	●	●	●	●	
精加工			DCGT 070201FR-J 070202FR-J 070204FR-J 11T301FR-J 11T302FR-J 11T304FR-J	7.8 7.5 7.3 11.5 11.4 11.2	0.1 0.2 0.4 0.1 0.2 0.4	●	●	●	●	●	●	●	●	●	●	●	
精加工			DCGT 070201FL-J 070202FL-J 070204FL-J 11T301FL-J 11T302FL-J 11T304FL-J	7.8 7.5 7.3 11.5 11.4 11.2	0.1 0.2 0.4 0.1 0.2 0.4	●	●	●	●	●	●	●	●	●	●	●	
精加工			DCGT 070201-1L 070202-1L 070204-1L 11T301-1L 11T302-1L 11T304-1L	7.8 7.5 7.3 11.5 11.4 11.2	0.1 0.2 0.4 0.1 0.2 0.4	●	●	●	●	●	●	●	●	●	●	●	
精加工			DCGT 0702005UM1 070201UM1 070202UM1 070204UM1 11T3005UM1 11T301UM1 11T302UM1 11T304UM1	7.8 7.8 7.5 7.3 11.6 11.5 11.4 11.2	0.05 0.1 0.2 0.4 0.05 0.1 0.2 0.4	●	●	●	●	●	●	●	●	●	●	●	
精加工			DCGT 070201MP-CK 070202MP-CK 070204MP-CK 11T301MP-CK 11T302MP-CK 11T304MP-CK	7.8 7.5 7.3 11.5 11.4 11.2	0.1 0.2 0.4 0.1 0.2 0.4	●	●	●	●	●	●	●	●	●	●	●	
精加工			DCGT 070201MF-Q 070202MF-Q 070204MF-Q 11T301MF-Q 11T302MF-Q 11T304MF-Q	7.8 7.5 7.3 11.5 11.4 11.2	0.1 0.2 0.4 0.1 0.2 0.4	●	●	●	●	●	●	●	●	●	●	●	

		切削形态: Cutting Environment				● 稳定切削 Stable Cutting				● 一般切削 General Cutting				✘ 不稳定切削 Unstable Cutting			
P	钢	Steel															
M	不锈钢	Stainless Steel															
K	铸铁	Iron															
N	铝/铜/镁/锌/塑料/木材	Aluminum/Copper/Magnesium/Zinc/Plastic/Wood															
S	硬质合金/粉末冶金	Carbide/Powder Metallurgy															
H	钛/高温合金/碳纤维	Titanium/Superalloy/Carbon Fiber															
用途	切削参数	产品图片	规格型号	边长 L	刀尖 r _c	ZN60	ZM36H	ZC250	ZC251	ZC252	ZP152	ZP153	ZP154	ZP155	ZP156	ZP15	
精加工			DCMT 070202-TF 070204-TF 070208-TF 11T302-TF 11T304-TF 11T308-TF	7.5 7.3 6.8 11.4 11.2 10.8	0.2 0.4 0.8 0.2 0.4 0.8	●	●	●	●	●	●	●	●	●	●	●	
精加工			DCMT 070202-FG1 070204-FG1 11T302-FG1 11T304-FG1 11T308-FG1	7.5 7.3 11.4 11.2 10.8	0.2 0.4 0.2 0.4 0.8	●	●	●	●	●	●	●	●	●	●	●	
半精加工+粗加工			DCMT 070204-TM 070208-TM 11T304-TM 11T308-TM	7.3 6.8 11.2 10.8	0.4 0.8 0.4 0.8	●	●	●	●	●	●	●	●	●	●	●	
半精加工			DCMT 070204-MT1 070208-MT1 11T304-MT1 11T308-MT1	7.3 6.8 11.2 10.8	0.4 0.8 0.4 0.8	●	●	●	●	●	●	●	●	●	●	●	
半精加工+粗加工			DCMT 070202-GM1 070204-GM1 070208-GM1 11T302-GM1 11T304-GM1 11T308-GM1	7.5 7.3 6.8 11.4 11.2 10.8	0.2 0.4 0.8 0.2 0.4 0.8	●	●	●	●	●	●	●	●	●	●	●	
半精加工			DCMT 070204-HQ1 070208-HQ1 11T304-HQ1 11T308-HQ1	7.3 6.8 11.2 10.8	0.4 0.8 0.4 0.8	●	●	●	●	●	●	●	●	●	●	●	
半精加工+粗加工			DCMT 070204 070208 11T304 11T308	7.3 6.8 11.2 10.8	0.4 0.8 0.4 0.8	●	●	●	●	●	●	●	●	●	●	●	
半精加工+粗加工			DCMT 070204-MV1 070208-MV1 11T304-MV1 11T308-MV1	7.3 6.8 11.2 10.8	0.4 0.8 0.4 0.8	●	●	●	●	●	●	●	●	●	●	●	
粗加工			DCMT 11T304-TR 11T308-TR 11T312-TR	11.2 10.8 10.4	0.4 0.8 1.2	●	●	●	●	●	●	●	●	●	●	●	

数控刀片

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三角浅槽
TGF
GBA
T.N/E
小零件
CTP
TKF

切槽
切断
MG.
MR.
SP.
GM.
TD.

后车削
ABS
TBP
TKFB

内孔切槽
T.N/E
GE.
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螺纹车削
刀片

铣削
刀片

数控
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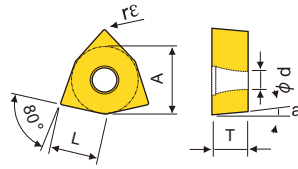
内孔
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T.N/E
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. GR

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车削
刀片

铣
削
刀片

WB 80° 桃形
正角
有孔刀片

内孔车刀
(Internal Toolholder):
B111-B112



Model	A	T	φd	a
WB..0601...	3.97	1.59	2.3	5°
WB..0802...	4.76	2.38	2.3	5°

切削形态: ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ✖ 不稳定切削 Unstable Cutting

应用	材料	应用	应用	应用	应用	应用	应用	应用	应用	应用	应用	应用	应用	应用	应用	应用	应用	应用	应用	
P	钢	Steel																		
M	不锈钢	Stainless Steel																		
K	铸铁	Iron																		
N	铝/铜/镁/锌/塑料/木材	Aluminum/Copper/Magnesium/Zinc/Plastic/Wood																		
S	硬质合金/粉末冶金	Carbide/Powder Metallurgy																		
H	钛/高温合金/碳纤维	Titanium/Superalloy/Carbon Fiber																		

用途	切削参数	产品图片	规格型号	尺寸 Dimension					切削参数 Cutting Parameter		应用
				L	A	T	φd	rE	切深 ap(mm)	进给 f(mm/rev)	
精加工			WBGT 060102 060104	2.6 2.3	3.97 3.97	1.59 1.59	2.3 2.3	0.2 0.4			● ●
精加工			WBGT 060102 060104	2.6 2.3	3.97 3.97	1.59 1.59	2.3 2.3	0.2 0.4			● ●
精加工			WBGT 060101R 060102R 060104R	2.7 2.6 2.3	3.97 3.97 3.97	1.59 1.59 1.59	2.3 2.3 2.3	0.1 0.2 0.4	0.1-0.3 0.1-0.4 0.1-0.5	0.01-0.05 0.01-0.06 0.01-0.08	● ● ● ●
精加工			WBGT 060101L 060102L 060104L	2.7 2.6 2.3	3.97 3.97 3.97	1.59 1.59 1.59	2.3 2.3 2.3	0.1 0.2 0.4	0.1-0.3 0.1-0.4 0.1-0.5	0.01-0.05 0.01-0.06 0.01-0.08	● ● ● ●
精加工			WBMT 060102L-DP 060104L-DP	2.6 2.3	3.97 3.97	1.59 1.59	2.3 2.3	0.2 0.4	0.1-0.4 0.1-0.5	0.01-0.06 0.01-0.08	● ●

数控
刀片

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三角
浅槽
TGF
GBA
T.N/E

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零件
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TKF

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切断
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T.N/E
GE.
GR

螺
纹
车削
刀片

铣
削
刀片



60° 正三角
正角
有孔刀片



外圆车刀 (External Toolholder): B41-B42

小零件专用 (Small Parts Toolholder): AB10/AB31

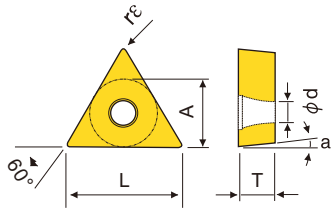
内孔车刀 (Internal Toolholder): B95-B102

Model	A	T	φd	a
TC..0902..	5.56	2.38	2.5	7°
TC..1102..	6.35	2.38	2.8	7°
TC..16T3..	9.525	3.97	4.4	7°

Model	A	T	φd	a
TP..0802..	4.76	2.38	2.3	11°
TP..0902..	5.56	2.38	3.0	11°
TP..1102..	6.35	2.38	3.4	11°
TP..1103..	6.35	3.18	3.4	11°
TP..1604..	9.525	4.76	4.4	11°

切削线速度 (Cutting Speed): m/min⁻¹

加工材料	PCD	CBN-K	CBN-S	ZN60	ZN90	ZK01	ZC250	ZC251	ZC32S	ZP152	ZP153	ZP163	ZK50	ZK50S
材料特点	金刚石	铸铁专用	难切削材料	光洁度好	高速精加工	铜铝加工	CVD 钢件	CVD 钢件	钢件高速	不锈钢通用	不锈钢高速	高硬高速	CVD 铸铁	铸铁高速
低碳钢				150-600	150-800		70-500	150-500	150-600	70-250	100-250	80-300		
高碳钢				150-350	150-500		70-250	80-350	100-400					
淬硬钢 HRC46-58			10-30							20-60	20-60	20-80		
不锈钢				200-300	200-350					50-150	70-150	50-200		
灰口铸铁		300-1500		100-300	100-350								200-300	200-350
球墨铸铁/轧辊		400-800		100-200	100-250								150-200	150-250
钛/钛合金/塑料/木材	300-1200					300-1200								
铝合金 HB50-70	300-1500					300-1500								
淬硬铝合金 HB70-110	300-800					300-800								
铜/青铜/黄铜	300-1000					300-1000								
硬质合金/粉末冶金	10-30					10-30						20-50		
硅填充塑料/硬质纤维	400-600					400-600								
钛/高温合金/碳纤维	100-200					100-200				20-50	20-60	30-80		



应用	切削参数	产品图片	规格型号	边长 L	刀尖 rE	应用
精加工			TBGT 060102	6.4	0.2	●●
			060104	5.8	0.4	●●
			TCGT 090202	9.1	0.2	●●
			090204	8.6	0.4	●●
			090208	7.6	0.8	●●
			110202	10.5	0.2	●●
			110204	10.0	0.4	●●
			110208	9.0	0.8	●●
			16T302	16.0	0.2	●●
			16T304	15.5	0.4	●●
			16T308	14.5	0.8	●●
			TPGT 080202	7.7	0.2	●●
080204	7.2	0.4	●●			
090202	9.1	0.2	●●			
090204	8.6	0.4	●●			
090208	7.6	0.8	●●			
110302	10.5	0.2	●●			
110304	10.0	0.4	●●			
110308	9.0	0.8	●●			

应用	切削参数	产品图片	规格型号	边长 L	刀尖 rE	应用
精加工			TBGT 060102L	6.4	0.2	●●
			060104L	5.8	0.4	●●
			TCGT 090202L	9.1	0.2	●●
			090204L	8.6	0.4	●●
			090208L	7.6	0.8	●●
			110202L	10.5	0.2	●●
			110204L	10.0	0.4	●●
			110208L	9.0	0.8	●●
			16T302L	16.0	0.2	●●
			16T304L	15.5	0.4	●●
			16T308L	14.5	0.8	●●
			TPGT 080202L	7.7	0.2	●●
080204L	7.2	0.4	●●			
090202L	9.1	0.2	●●			
090204L	8.6	0.4	●●			
090208L	7.6	0.8	●●			
110302L	10.5	0.2	●●			
110304L	10.0	0.4	●●			
110308L	9.0	0.8	●●			

应用	切削参数	产品图片	规格型号	边长 L	刀尖 rE	应用
精加工			TBGT 060102R	6.4	0.2	●●
			060104R	5.8	0.4	●●
			TCGT 090202R	9.1	0.2	●●
			090204R	8.6	0.4	●●
			090208R	7.6	0.8	●●
			110202R	10.5	0.2	●●
			110204R	10.0	0.4	●●
			110208R	9.0	0.8	●●
			16T302R	16.0	0.2	●●
			16T304R	15.5	0.4	●●
			16T308R	14.5	0.8	●●
			TPGT 080202R	7.7	0.2	●●
080204R	7.2	0.4	●●			
090202R	9.1	0.2	●●			
090204R	8.6	0.4	●●			
090208R	7.6	0.8	●●			
110302R	10.5	0.2	●●			
110304R	10.0	0.4	●●			
110308R	9.0	0.8	●●			

应用	切削参数	产品图片	规格型号	边长 L	刀尖 rE	应用
精加工			TBGT 060102L	6.4	0.2	●●
			060104L	5.8	0.4	●●
			TCGT 090202L	9.1	0.2	●●
			090204L	8.6	0.4	●●
			090208L	7.6	0.8	●●
			110202L	10.5	0.2	●●
			110204L	10.0	0.4	●●
			110208L	9.0	0.8	●●
			16T302L	16.0	0.2	●●
			16T304L	15.5	0.4	●●
			16T308L	14.5	0.8	●●
			TPGT 080202L	7.7	0.2	●●
080204L	7.2	0.4	●●			
090202L	9.1	0.2	●●			
090204L	8.6	0.4	●●			
090208L	7.6	0.8	●●			
110302L	10.5	0.2	●●			
110304L	10.0	0.4	●●			
110308L	9.0	0.8	●●			

应用	切削参数	产品图片	规格型号	边长 L	刀尖 rE	应用
精加工			TBGT 060102L	6.4	0.2	●●
			060104L	5.8	0.4	●●
			TCGT 090202L	9.1	0.2	●●
			090204L	8.6	0.4	●●
			090208L	7.6	0.8	●●
			110202L	10.5	0.2	●●
			110204L	10.0	0.4	●●
			110208L	9.0	0.8	●●
			16T302L	16.0	0.2	●●
			16T304L	15.5	0.4	●●
			16T308L	14.5	0.8	●●
			TPGT 080202L	7.7	0.2	●●
080204L	7.2	0.4	●●			
090202L	9.1	0.2	●●			
090204L	8.6	0.4	●●			
090208L	7.6	0.8	●●			
110302L	10.5	0.2	●●			
110304L	10.0	0.4	●●			
110308L	9.0	0.8	●●			

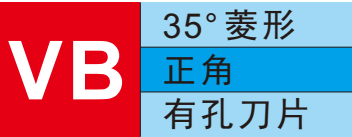
应用	切削参数	产品图片	规格型号	边长 L	刀尖 rE	应用
精加工			TBGT 060102L	6.4	0.2	●●
			060104L	5.8	0.4	●●
			TCGT 090202L	9.1	0.2	●●
			090204L	8.6	0.4	●●
			090208L	7.6	0.8	●●
			110202L	10.5	0.2	●●
			110204L	10.0	0.4	●●
			110208L	9.0	0.8	●●
			16T302L	16.0	0.2	●●
			16T304L	15.5	0.4	●●
			16T308L	14.5	0.8	●●
			TPGT 080202L	7.7	0.2	●●
080204L	7.2	0.4	●●			
090202L	9.1	0.2	●●			
090204L	8.6	0.4	●●			
090208L	7.6	0.8	●●			
110302L	10.5	0.2	●●			
110304L	10.0	0.4	●●			
110308L	9.0	0.8	●●			

应用	切削参数	产品图片	规格型号	边长 L	刀尖 rE	应用
精加工			TBGT 060102R	6.4	0.2	●●
			060104R	5.8	0.4	●●
			TCGT 090202R	9.1	0.2	●●
			090204R	8.6	0.4	●●
			090208R	7.6	0.8	●●
			110202R	10.5	0.2	●●
			110204R	10.0	0.4	●●
			110208R	9.0	0.8	●●
			16T302R	16.0	0.2	●●
			16T304R	15.5	0.4	●●
			16T308R	14.5	0.8	●●
			TPGT 080202R	7.7	0.2	●●
080204R	7.2	0.4	●●			
090202R	9.1	0.2	●●			
090204R	8.6	0.4	●●			
090208R	7.6	0.8	●●			
110302R	10.5	0.2	●●			
110304R	10.0	0.4	●●			
110308R	9.0	0.8	●●			

应用	切削参数	产品图片	规格型号	边长 L	刀尖 rE	应用
精加工			TBGT 060102L	6.4	0.2	●●
			060104L	5.8	0.4	●●
			TCGT 090202L	9.1	0.2	●●
			090204L	8.6	0.4	●●
			090208L	7.6	0.8	●●
			110202L	10.5	0.2	●●
			110204L	10.0	0.4	●●
			110208L	9.0	0.8	●●
			16T302L	16.0	0.2	●●
			16T304L	15.5	0.4	●●
			16T308L	14.5	0.8	●●
			TPGT 080202L	7.7	0.2	●●
080204L	7.2	0.4	●●			
090202L	9.1	0.2	●●			
090204L	8.6	0.4	●●			
090208L	7.6	0.8	●●			
110302L	10.5	0.2	●●			
110304L	10.0	0.4	●●			
110308L	9.0	0.8	●●			

(mm)

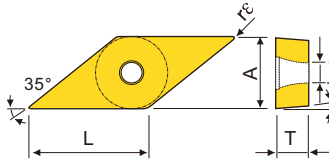
Model	A	T	φd	a
VB..1103..	6.35	3.18	2.8	5°
VB..1604..	9.525	4.76	4.4	5°
VC..1103..	6.35	3.18	2.8	7°
VC..1604..	9.525	4.76	4.4	7°
VC..2205..	12.7	5.56	5.6	7°
VP..1103..	6.35	3.18	2.8	11°



外圆车刀 (External Toolholder): B43-B46
小零件专用 (Small Parts Toolholder): AB11/AB18/AB25
内孔车刀 (Internal Toolholder): B103-B110

切削线速度 (Cutting Speed): m/min⁻¹

加工材料	PCD	CBN-K	CBN-S	ZN60	ZN90	ZK01	ZC250	ZC251	ZC32S	ZP152	ZP153	ZP163	ZK50	ZK50S
材料特点	金刚石	铸铁专用	难切削材料	光洁度好	高速精加工	钢铝加工	CVD 钢件	CVD 钢件	钢件高速	不锈钢通用	不锈钢高速	高硬高速	CVD 铸铁	铸铁高速
P 低碳钢				150-600	150-800		70-500	150-500	150-600	70-250	100-250	80-300		
高碳钢				150-350	150-500		70-250	80-350	100-400	70-150	80-150	60-200		
淬硬钢 HRC46-58			10-30							20-60	20-60	20-80		
M 不锈钢				200-300	200-350					50-150	70-150	50-200		
灰口铸铁		300-1500		100-300	100-350								200-300	200-350
球墨铸铁/轧辊		400-800		100-200	100-250								150-200	150-250
钛/钛合金/塑料/木材	300-1200					300-1200								
铝合金 HB50-70	300-1500					300-1500								
淬硬铝合金 HB70-110	300-800					300-800								
铜/青铜/黄铜	300-1000					300-1000								
硬质合金/粉末冶金	10-30					10-30						20-50		
硅填充塑料/硬质纤维	400-600					400-600								
H 钛/高温合金/碳纤维	100-200					100-200				20-50	20-60	30-80		



应用	切削参数	产品图片	规格型号	边长 L	刀尖 r _e	应用
P	钢	Steel				● 稳定切削
M	不锈钢	Stainless Steel				● 一般切削
K	铸铁	Iron				✘ 不稳定切削
N	铝/铜/镁/锌/塑料/木材	Aluminum/Copper/Magnesium/Zinc/Plastic/Wood				● 稳定切削
S	硬质合金/粉末冶金	Carbide/Powder Metallurgy				● 一般切削
H	钛/高温合金/碳纤维	Titanium/Superalloy/Carbon Fiber				● 稳定切削

应用	切削参数	产品图片	规格型号	边长 L	刀尖 r _e	应用
精加工			VBGT 110301	11.0	0.1	●●
			110302	11.0	0.2	●●
			110304	10.0	0.4	●●
			110308	9.0	0.8	●●
			160402	16.1	0.2	●●
			160404	15.6	0.4	●●
			160408	14.6	0.8	●●
			160412	13.6	1.2	●●
			160416	12.6	1.6	●●
			160420	11.6	2.0	●●
			VCGT 110301	11.0	0.1	●●
			110302	11.0	0.2	●●
			110304	10.0	0.4	●●
			110308	9.0	0.8	●●
			160402	16.1	0.2	●●
160404	15.6	0.4	●●			
160408	14.6	0.8	●●			
160412	13.6	1.2	●●			
160416	12.6	1.6	●●			
160420	11.6	2.0	●●			

应用	切削参数	产品图片	规格型号	边长 L	刀尖 r _e	应用
精加工			VBGT 110302-2T	11.0	0.2	●●
			110304-2T	10.0	0.4	●●
			110308-2T	9.0	0.8	●●
			160402-2T	16.1	0.2	●●
			160404-2T	15.6	0.4	●●
			160408-2T	14.6	0.8	●●
			VCGT 110302-2T	11.0	0.2	●●
			110304-2T	10.0	0.4	●●
			110308-2T	9.0	0.8	●●
			160402-2T	16.1	0.2	●●
			160404-2T	15.6	0.4	●●
			160408-2T	14.6	0.8	●●

应用	切削参数	产品图片	规格型号	边长 L	刀尖 r _e	应用
精加工			VBGW 110301	11.0	0.1	●●
			110302	11.0	0.2	●●
			110304	10.0	0.4	●●
			110308	9.0	0.8	●●
			160402	16.1	0.2	●●
			160404	15.6	0.4	●●
			160408	14.6	0.8	●●
			160412	13.5	1.2	●●
			160416	12.5	1.6	●●
			160420	11.5	2.0	●●
			VCGW 110301	11.0	0.1	●●
			110302	11.0	0.2	●●
			110304	10.0	0.4	●●
			110308	9.0	0.8	●●
			160402	16.1	0.2	●●
160404	15.6	0.4	●●			
160408	14.6	0.8	●●			
160412	13.5	1.2	●●			
160416	12.5	1.6	●●			
160420	11.5	2.0	●●			

应用	切削参数	产品图片	规格型号	边长 L	刀尖 r _e	应用
P	钢	Steel				● 稳定切削
M	不锈钢	Stainless Steel				● 一般切削
K	铸铁	Iron				✘ 不稳定切削
N	铝/铜/镁/锌/塑料/木材	Aluminum/Copper/Magnesium/Zinc/Plastic/Wood				● 稳定切削
S	硬质合金/粉末冶金	Carbide/Powder Metallurgy				● 一般切削
H	钛/高温合金/碳纤维	Titanium/Superalloy/Carbon Fiber				● 稳定切削

应用	切削参数	产品图片	规格型号	边长 L	刀尖 r _e	应用
精加工			VBGT 110302-AL	11.0	0.2	●●
			110304-AL	10.0	0.4	●●
			110308-AL	9.0	0.8	●●
			160402-AL	16.1	0.2	●●
			160404-AL	15.6	0.4	●●
			160408-AL	14.6	0.8	●●
			VCGT 110302-AL	11.0	0.2	●●
			110304-AL	10.0	0.4	●●
			110308-AL	9.0	0.8	●●
			160402-AL	16.1	0.2	●●
			160404-AL	15.6	0.4	●●
			160408-AL	14.6	0.8	●●

应用	切削参数	产品图片	规格型号	边长 L	刀尖 r _e	应用
精加工			VBGT 110302	11.0	0.2	●●
			110304	10.0	0.4	●●
			110308	9.0	0.8	●●
			160402	16.1	0.2	●●
			160404	15.6	0.4	●●
			160408	14.6	0.8	●●
			VCGT 110302	11.0	0.2	●●
			110304	10.0	0.4	●●
			110308	9.0	0.8	●●
			160402	16.1	0.2	●●
			160404	15.6	0.4	●●
			160408	14.6	0.8	●●

应用	切削参数	产品图片	规格型号	边长 L	刀尖 r _e	应用
精加工			VBGT 110302-AL	11.0	0.2	●●
			110304-AL	10.0	0.4	●●
			110308-AL	9.0	0.8	●●
			160402-AL	16.1	0.2	●●
			160404-AL	15.6	0.4	●●
			160408-AL	14.6	0.8	●●
			VCGT 110302-AL	11.0	0.2	●●
			110304-AL	10.0	0.4	●●
			110308-AL	9.0	0.8	●●
			160402-AL	16.1	0.2	●●
			160404-AL	15.6	0.4	●●
			160408-AL	14.6	0.8	●●
			160412-AL	13.6	1.2	●●
			220516-AL	18.0	1.6	●●
			220525-AL	15.6	2.5	●●
220530-AL	14.3	3.0	●●			

数控刀片

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VB
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三角浅槽
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GBA
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小零件
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TKF

切槽
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MR.
SP.
GM.
TD.

后车削
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内孔切槽
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螺纹车削片

铣削刀片

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刀片

TGF 三角形 多功能 切槽刀片

外圆车刀 (External Toolholder): B168
小零件专用 (Small Parts Toolholder):
AB13/AB18
内孔车刀 (Internal Toolholder): B168

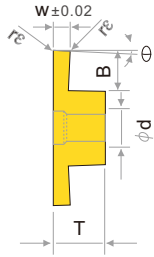
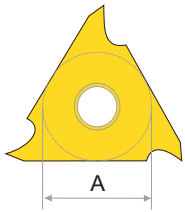


Fig.1

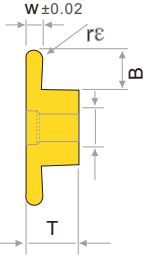


Fig.2 圆弧槽刀

切削线速度 (Cutting Speed): m/min^* (mm)

加工材料	刀具材质	PCD 全刚石	CBN-K 铸铁专用	CBN-S 难切削材料	ZN60 光洁度好	ZK01 铜铝加工	ZM826 黄色通用	ZP15 紫色通用	ZM856 不锈钢通用
P	低碳钢				150-600		60-250	70-250	100-250
P	高碳钢				150-350		60-150	70-150	80-150
P	淬硬钢 HRC46-58			10-30			20-60	20-60	20-60
M	不锈钢				200-300		50-150	50-150	70-150
K	灰口铸铁		300-1500		100-300		130-210	150-200	150-300
K	球墨铸铁/轧辊		400-800		100-200		100-160	100-150	150-230
N	镁/铝/铜/锌/塑料/木材	300-1200				300-1200			
N	铝合金 HB50-70	300-1500				300-1500			
N	淬硬铝合金 HB70-110	300-800				300-800			
N	铜/青铜/黄铜	300-1000				300-1000			
S	硬质合金/粉末冶金	10-30				10-30			
S	硅填充塑料/硬质纤维	400-600				400-600			
H	钛/高温合金/碳纤维	100-200				100-200	20-50	20-50	20-60

切削形态: ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ☺ 一般切削(第二推荐) General Cutting(Second recommend) ✖ 不稳定切削 Unstable Cutting

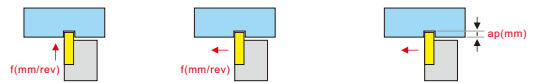
应用	规格型号	尺寸 Dimension	刀具安装角	PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP15	ZM856
P	钢			●	●	●	●	●	●	●	●
M	不锈钢			●	●	●	●	●	●	●	●
K	铸铁			●	●	●	●	●	●	●	●
N	铝/铜/镁/锌/塑料/木材			●	●	●	●	●	●	●	●
S	硬质合金/粉末冶金			●	●	●	●	●	●	●	●
H	钛/高温合金/碳纤维			●	●	●	●	●	●	●	●

切削形态: ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ☺ 一般切削(第二推荐) General Cutting(Second recommend) ✖ 不稳定切削 Unstable Cutting

应用	规格型号	尺寸 Dimension	刀具安装角	PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP15	ZM856
P	钢			●	●	●	●	●	●	●	●
M	不锈钢			●	●	●	●	●	●	●	●
K	铸铁			●	●	●	●	●	●	●	●
N	铝/铜/镁/锌/塑料/木材			●	●	●	●	●	●	●	●
S	硬质合金/粉末冶金			●	●	●	●	●	●	●	●
H	钛/高温合金/碳纤维			●	●	●	●	●	●	●	●

应用	规格型号	尺寸 Dimension		刀具安装角	PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP15	ZM856		
		W±0.02	B											
切槽加工 Grooving	TGF32 90° 030-005	0.30	0.05	2°	●	●	●	●	●	●	●	●		
	033-005	0.33	0.05		●	●	●	●	●	●	●	●	●	
	040-005	0.40	1.25		9.525	3.18	4.5	Fig.1	●	●	●	●	●	●
	045-005	0.45												
	050-005	0.50	2.2		0.1	9.525	3.18	4.5	Fig.1	●	●	●	●	●
	050L220	0.50												
	055-005	0.55	1.25		0.05	9.525	3.18	4.5	Fig.1	●	●	●	●	●
	060-005	0.60												
	065-010	0.65	2.05		0.1	9.525	3.18	4.5	Fig.1	●	●	●	●	●
	070-010	0.70												
	075-010	0.75	2.2		0.1	9.525	3.18	4.5	Fig.1	●	●	●	●	●
	080-010	0.80												
	085-010	0.85	1.50		0.1	9.525	3.18	4.5	Fig.1	●	●	●	●	●
	090-010	0.90												
	095-010	0.95	1.00		3.3	9.525	3.18	4.5	Fig.1	●	●	●	●	●
	100L330	1.00												
	100-010	1.00	2.2		0.1	9.525	3.18	4.5	Fig.1	●	●	●	●	●
	105-010	1.05												
	110-010	1.10	1.5		2.4	9.525	3.18	4.5	Fig.1	●	●	●	●	●
	115-010	1.15												
120-010	1.20	1.5	2.4	9.525	3.18	4.5	Fig.1	●	●	●	●	●		
125-010	1.25												●	●
130-010	1.30	1.75	2.4	9.525	3.18	4.5	Fig.1	●	●	●	●	●		
135-010	1.35												●	●
140-010	1.40	1.75	2.4	9.525	3.18	4.5	Fig.1	●	●	●	●	●		
145-010	1.45												●	●
150-010	1.50	1.5	2.4	9.525	3.18	4.5	Fig.1	●	●	●	●	●		
150L380	1.50												●	●
155-010	1.55	1.5	2.4	9.525	3.18	4.5	Fig.1	●	●	●	●	●		
160-015	1.60												●	●
165-015	1.65	1.5	0.15	9.525	3.18	4.5	Fig.1	●	●	●	●	●		
170-015	1.70												●	●
175-010	1.75	1.75	2.4	9.525	3.18	4.5	Fig.1	●	●	●	●	●		
175-015	1.75												●	●
180-015	1.80	1.85	0.15	9.525	3.18	4.5	Fig.1	●	●	●	●	●		
185-015	1.85												●	●
190-015	1.90	2.00	2.7	9.525	3.18	4.5	Fig.1	●	●	●	●	●		
195-015	1.95												●	●
200-010	2.00	2.00	2.7	9.525	3.18	4.5	Fig.1	●	●	●	●	●		
200-015	2.00												●	●
200L400	2.00	2.00	4.0	9.525	3.18	4.5	Fig.1	●	●	●	●	●		
210-015	2.10												●	●
215-015	2.15	2.7	0.15	9.525	3.18	4.5	Fig.1	●	●	●	●	●		
220-015	2.20												●	●
225-015	2.25	3.0	0.1	9.525	3.18	4.5	Fig.1	●	●	●	●	●		
230-015	2.30												●	●
240-015	2.40	2.50	3.0	9.525	3.18	4.5	Fig.1	●	●	●	●	●		
250-010	2.50												●	●
250-015	2.50	3.0	0.15	9.525	3.18	4.5	Fig.1	●	●	●	●	●		
250L400	2.50												●	●
260-015	2.60	3.4	0.2	9.525	3.18	4.5	Fig.1	●	●	●	●	●		
265-015	2.65												●	●
270-015	2.70	3.0	0.15	9.525	3.18	4.5	Fig.1	●	●	●	●	●		
280-015	2.80												●	●
290-015	2.90	3.00	3.00	9.525	3.18	4.5	Fig.1	●	●	●	●	●		
300-020	3.00												●	●
320-020	3.20	3.4	0.2	9.525	3.18	4.5	Fig.1	●	●	●	●	●		

应用	规格型号	尺寸 Dimension		刀具安装角	PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP15	ZM856
		W±0.02	B									
切槽加工 Grooving	TGF32 90° 100-R050	1.00	2.2	2°	●	●	●	●	●	●	●	●
	150-R075	1.50	2.2		●	●	●	●	●	●	●	●
	200-R100	2.00	2.7		●	●	●	●	●	●	●	●
	250-R125	2.50	3.0		●	●	●	●	●	●	●	●
	300-R150	3.00	3.2		●	●	●	●	●	●	●	●
	300-R150	3.00	3.2		1.50	●	●	●	●	●	●	●



代号说明: Code Description T.1 切槽加工时的进给 Feed of Grooving T.2 横向切槽加工时的进给 Feed of Transverse Grooving T.3 横向切槽加工时的切深 Depth of Transverse Grooving

应用	被加工材料	切削参数 Cutting Parameter														
		TGF32 90° 033-055			TGF32 90° 055-095			TGF32 90° 100-145			TGF32 90° 150-250			TGF32 90° 255-320		
		T.1	T.2	T.3	T.1	T.2	T.3	T.1	T.2	T.3	T.1	T.2	T.3	T.1	T.2	T.3
P	钢	0.01	~	~	0.02	~	~	0.03	0.03	0.02	0.03	0.03	0.02	0.03	0.03	0.02
	不锈钢	0.05	~	~	0.07	~	~	0.08	0.06	0.2	0.1	0.09	0.3	0.12	0.1	0.3
M																

数控
刀片

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TC
TP
VB
VC

三
角
槽
TGF
GBA
TNE

小
零
件
CTP
TKF

切
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切
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MG.
MR.
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GMM
TDC

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ABS
TBP
TKFB

内
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GER
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螺
纹
车
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削
刀
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数控刀片

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CC
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RC
SC
WB
TB
TC
TP
VB
VC

三角浅槽
TGF
GBA
T.N/E

小零件
CTP
TKF

切槽切断
MR.
SP.
GMM
TDC

后车削
ABS
TBP
TKFB

内孔切槽
GER
GR

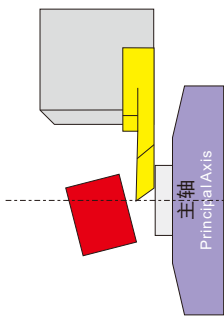
螺纹车削刀片

铣削刀片

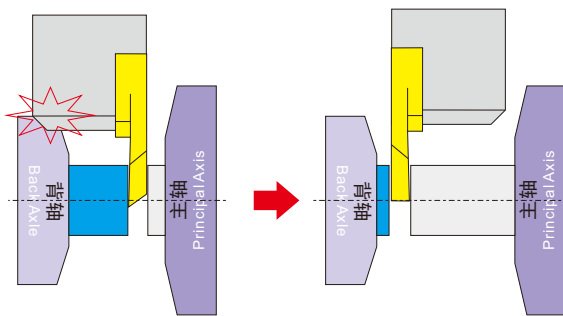
1 如何选用左/右手刀杆 How to select the R and L toolholder

无背轴的情况
No back axle

①



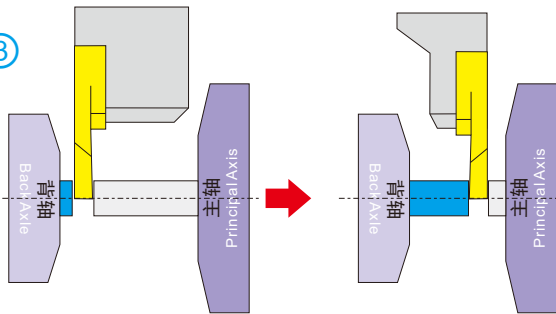
②



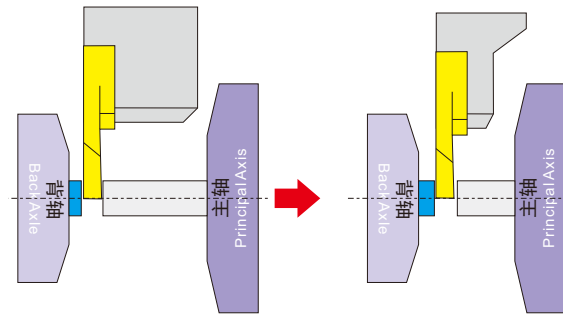
没有背轴的情况下推荐使用右手刀杆。为减小残留的尾钉推荐使用刀尖带角度的切断刀。
Recommended to use the R Toolholder when there is no back axle. In order to reduce the residual tail pin, it is recommended to use a cutting knife with an angle at the tip.

切断时若背轴和刀杆发生干涉, 可使用左手刀杆。不产生残留尾钉, 推荐使用刀尖没有角度的刀片。
If the back axis interferes with the cutter rod during cutting, the L toolholder can be used. There is no residual tail pin. It is recommended to use a blade with no angle at the tip.

③



④

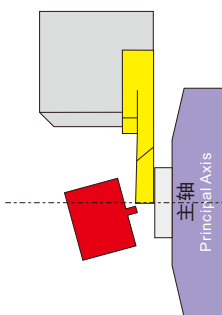


工件直径小需要考虑刚性时, 推荐使用R右手SUB型背轴刀杆。
R-SUB type toolholder is recommended when rigidity is considered for small workpiece diameter.

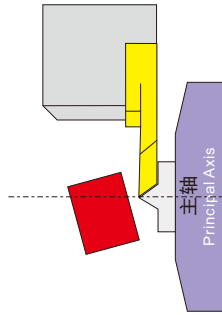
工件直径小且工件短需要考虑刚性时, 推荐使用L右手SUB型背轴刀杆。
When the diameter of workpiece is small and the rigidity of workpiece is short, L-SUB type toolholder is recommended.

2 如何选用平头/带角度刀尖 How to choose flat head / angle head

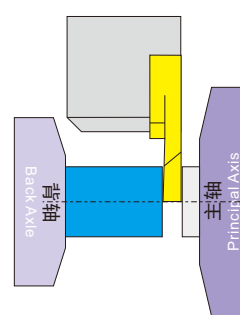
①



②



③



在没有背轴的情况下使用不带角度的平头切断刀, 工件会留下尾钉。
In the case of no back axis, using a flat head cutter without angle, the workpiece will leave a tail pin.

在没有背轴的情况下使用带角度的切断刀片时, 工件不会留下尾钉。
In the case of no back axis, using angle head cutter, the workpiece without tail pin.

在有背轴的情况下使用不带角度的平头切断刀, 工件不会留下尾钉。但是加工小零件考虑切削阻力变形时, 请选用带角度刀尖。
In the case of a back shaft, use a flat head cutter without angle, and the workpiece will not leave a tail pin. However, when considering the deformation of cutting resistance in small workpiece processing, please select the tool tip with angle.

3 如何选用合适的宽度 How to choose the right width

$$\text{Cutter Width} = \frac{\text{Workpiece Diameter}}{7}$$

4 防止刀具异常损伤对策 Countermeasures for abnormal tool damage

- 推荐设定线速度不变的加工程序, 转速一定的情况下, 刀尖越靠近工件中心, 线速度大幅度下降, 容易造成粘刀, 崩刀等异常损伤。
It is recommended to set the processing program with constant linear speed. When the rotation speed is fixed, the closer the tool tip is to the center of the workpiece, the linear speed will be greatly reduced, which is easy to cause abnormal damage such as knife sticking and knife collapsing.
- 考虑到切断时的冲击、工件中心部位线速度不足等情况, 推荐降低切断前(1-2mm)的进给(降低到原来的50%)。
Considering the impact during cutting and insufficient linear speed at the center of workpiece, it is recommended to reduce the feed before cutting (1-2mm) (to 50% of the original).
- 尽量避免断续加工。
Try to avoid intermittent processing.

5 小零件切槽/切断加工切削参数推荐 Recommended cutting parameters for grooving / cutting of small parts

用途 Application	被加工材料 Processed Material	切削参数 Cutting Parameter											
		CTP 刃宽W(mm)					CTPA 刃宽W(mm)						
		0.5	0.7	1.0	1.25	1.5	2.0	0.7	1.0	1.5	2.0	2.5	3.0
P Steel	钢	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02
		0.02	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.07	0.07	0.1	0.15
M Stainless Steel	不锈钢	0.005	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
		0.015	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.04	0.04	0.1	0.1
K Iron	铸铁	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02
		0.03	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.08	0.08	0.1	0.15
N Aluminum/Copper/Magnesium/Zinc/Plastic/Wood	铝/铜/镁/锌/塑料/木材	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02
		0.03	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.08	0.08	0.12	0.15
S Carbide/Powder Metallurgy	硬质合金/粉末冶金	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.005	0.005	0.005	0.005
		0.007	0.008	0.01	0.015	0.015	0.015	0.01	0.015	0.015	0.02	0.025	0.03
H Titanium/Superalloy/Carbon Fiber	钛/高温合金/碳纤维	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.005	0.005	0.005	0.005
		0.007	0.008	0.01	0.015	0.015	0.015	0.01	0.015	0.015	0.02	0.025	0.03

CTP/CTPA..切断刀片

CTP/CTPA Small Parts Cut-off/Grooving Insert



小零件加工

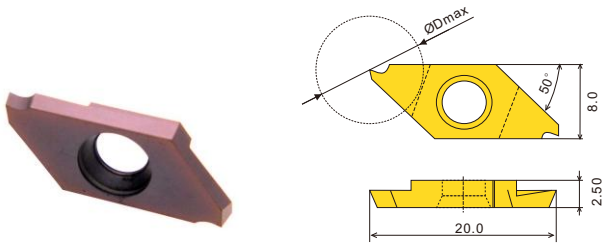
切断

切槽刀片



小零件专用车刀:AB39-AB43

(Small Parts Toolholder)



CTP
ØDmax=Ø5~13mm

切削线速度 (Cutting Speed) : m/min²

(mm)

加工材料 刀具材质 材料特点	PCD 金刚石	CBN-K 铸铁专用	CBN-S 难切削材料	ZN60 光洁度好	ZK01 铜铝加工	ZM826 黄色通用	ZP15 紫色通用	ZM856 不锈钢通用
P 低碳钢				150-600		60-250	70-250	100-250
M 高碳钢				150-350		60-150	70-150	80-150
淬硬钢 HRC46-58			10-30			20-60	20-60	20-60
M 不锈钢				200-300		50-150	50-150	70-150
K 灰口铸铁		300-1500		100-300		130-210	150-200	150-300
K 球墨铸铁/轧辊		400-800		100-200		100-160	100-150	150-230
N 镁/锌/塑料/木材	300-1200				300-1200			
N 铝合金 HB50-70	300-1500				300-1500			
N 淬硬铝合金 HB70-110	300-800							
S 铜/青铜/黄铜	300-1000				300-1000			
S 硬质合金/粉末冶金	10-30				10-30			
S 硅填充塑料/碳纤维	400-600				400-600			
H 钛/高温合金/碳纤维	100-200				100-200	20-50	20-50	20-60

切削形态: ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ☺ 一般切削(第二推荐) General Cutting(Second recommend) ✖ 不稳定切削 Unstable Cutting

应用	尺寸形状	规格型号	尺寸 Dimension	应用	尺寸形状	规格型号	尺寸 Dimension
P 钢	有排屑槽 With Groove	CTP 05FR, 07FR, 10FR, 15FR, 20FR	W±0.05, B, rε, θ	M 不锈钢	无排屑槽 Without Groove	CTP 10FRV, 15FRV, 20FRV	W±0.05, B, rε, θ
M 不锈钢	有排屑槽 With Groove	CTP 05FRN, 10FRN, 15FRN, 20FRN	W±0.05, B, rε, θ	K 铸铁	有排屑槽 With Groove	CTP 10FRK, 15FRK, 20FRK	W±0.05, B, rε, θ
K 铸铁	有排屑槽 With Groove	CTP 10FRK, 15FRK, 20FRK	W±0.05, B, rε, θ	N 铝/铜/镁/锌/塑料/木材	有排屑槽 With Groove	CTP 07FL, 10FL, 15FL, 20FL	W±0.05, B, rε, θ
N 铝/铜/镁/锌/塑料/木材	有排屑槽 With Groove	CTP 07FL, 10FL, 15FL, 20FL	W±0.05, B, rε, θ	S 硬质合金/粉末冶金	有排屑槽 With Groove	CTP 05FLN, 10FLN, 15FLN, 20FLN	W±0.05, B, rε, θ
S 硬质合金/粉末冶金	有排屑槽 With Groove	CTP 05FLN, 10FLN, 15FLN, 20FLN	W±0.05, B, rε, θ	H 钛/高温合金/碳纤维	有排屑槽 With Groove	CTP 05FLK, 10FLK, 15FLK, 20FLK, 15FLKB	W±0.05, B, rε, θ
H 钛/高温合金/碳纤维	有排屑槽 With Groove	CTP 05FLK, 10FLK, 15FLK, 20FLK, 15FLKB	W±0.05, B, rε, θ				

切削形态: ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ☺ 一般切削(第二推荐) General Cutting(Second recommend) ✖ 不稳定切削 Unstable Cutting

应用	尺寸形状	规格型号	尺寸 Dimension	应用	尺寸形状	规格型号	尺寸 Dimension
P 钢	无排屑槽 Without Groove	CTP 15FRNV, 20FRNV	W±0.05, B, rε, θ	M 不锈钢	无排屑槽 Without Groove	CTP 10FLV, 15FLV, 20FLV	W±0.05, B, rε, θ
M 不锈钢	无排屑槽 Without Groove	CTP 15FRNV, 20FRNV	W±0.05, B, rε, θ	K 铸铁	无排屑槽 Without Groove	CTP 15FLNV, 20FLNV	W±0.05, B, rε, θ
K 铸铁	无排屑槽 Without Groove	CTP 15FLNV, 20FLNV	W±0.05, B, rε, θ	N 铝/铜/镁/锌/塑料/木材	无排屑槽 Without Groove	CTP 15FLKV	W±0.05, B, rε, θ
N 铝/铜/镁/锌/塑料/木材	无排屑槽 Without Groove	CTP 15FLKV	W±0.05, B, rε, θ	S 硬质合金/粉末冶金	无排屑槽 Without Groove		
S 硬质合金/粉末冶金	无排屑槽 Without Groove			H 钛/高温合金/碳纤维	无排屑槽 Without Groove		
H 钛/高温合金/碳纤维	无排屑槽 Without Groove						

应用	尺寸形状	规格型号	尺寸 Dimension	应用	尺寸形状	规格型号	尺寸 Dimension
切断加工 Cut-off	有排屑槽 With Groove	CTP 05FR, 07FR, 10FR, 15FR, 20FR	W±0.05, B, rε, θ	切断加工 Cut-off	无排屑槽 Without Groove	CTP 10FRV, 15FRV, 20FRV	W±0.05, B, rε, θ
切断/切槽加工 Cut-off/Grooving	有排屑槽 With Groove	CTP 05FRN, 10FRN, 15FRN, 20FRN	W±0.05, B, rε, θ	切断/切槽加工 Cut-off/Grooving	无排屑槽 Without Groove	CTP 15FRNV, 20FRNV	W±0.05, B, rε, θ
切断加工 Cut-off	有排屑槽 With Groove	CTP 10FRK, 15FRK, 20FRK	W±0.05, B, rε, θ	切断加工 Cut-off	有排屑槽 With Groove	CTP 10FLV, 15FLV, 20FLV	W±0.05, B, rε, θ
切断加工 Cut-off	有排屑槽 With Groove	CTP 07FL, 10FL, 15FL, 20FL	W±0.05, B, rε, θ	切断加工 Cut-off	无排屑槽 Without Groove	CTP 15FLNV, 20FLNV	W±0.05, B, rε, θ
切断/切槽加工 Cut-off/Grooving	有排屑槽 With Groove	CTP 05FLN, 10FLN, 15FLN, 20FLN	W±0.05, B, rε, θ	切断/切槽加工 Cut-off/Grooving	有排屑槽 With Groove	CTP 15FLKV	W±0.05, B, rε, θ
切断加工 Cut-off	有排屑槽 With Groove	CTP 05FLK, 10FLK, 15FLK, 20FLK, 15FLKB	W±0.05, B, rε, θ	切断加工 Cut-off	无排屑槽 Without Groove		

应用	尺寸形状	规格型号	尺寸 Dimension	应用	尺寸形状	规格型号	尺寸 Dimension
切断加工 Cut-off	有排屑槽 With Groove	CTP 05FR, 07FR, 10FR, 15FR, 20FR	W±0.05, B, rε, θ	切断加工 Cut-off	有排屑槽 With Groove	CTP 10FLV, 15FLV, 20FLV	W±0.05, B, rε, θ
切断/切槽加工 Cut-off/Grooving	有排屑槽 With Groove	CTP 05FRN, 10FRN, 15FRN, 20FRN	W±0.05, B, rε, θ	切断/切槽加工 Cut-off/Grooving	有排屑槽 With Groove	CTP 15FLKV	W±0.05, B, rε, θ
切断加工 Cut-off	有排屑槽 With Groove	CTP 10FRK, 15FRK, 20FRK	W±0.05, B, rε, θ	切断加工 Cut-off	无排屑槽 Without Groove		
切断加工 Cut-off	有排屑槽 With Groove	CTP 07FL, 10FL, 15FL, 20FL	W±0.05, B, rε, θ	切断加工 Cut-off	有排屑槽 With Groove		
切断/切槽加工 Cut-off/Grooving	有排屑槽 With Groove	CTP 05FLN, 10FLN, 15FLN, 20FLN	W±0.05, B, rε, θ	切断/切槽加工 Cut-off/Grooving	有排屑槽 With Groove		
切断加工 Cut-off	有排屑槽 With Groove	CTP 05FLK, 10FLK, 15FLK, 20FLK, 15FLKB	W±0.05, B, rε, θ	切断加工 Cut-off	有排屑槽 With Groove		

☆ θ 为刀柄安装时取值 ☆ Installation Angle For The Toolholder

数控刀片

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三角
浅槽
TGF
GBA
T.N/E

小零件
CTP
TKF

切槽
切断
MG.
MR.
SP.
GMM
TDC

后
车削
ABS
TBP
TKFB

内孔
切槽
GER
GR

螺纹
车削
刀片

铣削
刀片

数控刀片

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TGF
GBA
T.N/E

小零件
CTP
TKF

切槽
切崩
MR.
SP.
GMM
TDC

后车削
ABS
TBP
TKFB

内孔切槽

GER
GR

螺纹车削刀片

铣削刀片

小零件加工

CTPA

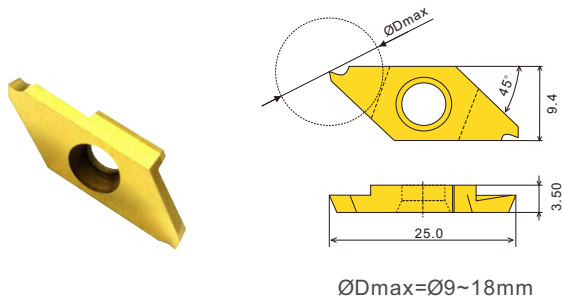
切断

切槽刀片



小零件专用车刀: AB39-AB43

(Small Parts Toolholder)



ØDmax=Ø9~18mm

切削线速度 (Cutting Speed): m/min¹

(mm)

加工材料 刀具材质 材料特点	PCD 金刚石	CBN-K 铸铁专用	CBN-S 难切削材料	ZN60 光洁度好	ZK01 铜铝加工	ZM826 黄色通用	ZP15 紫色通用	ZM856 不锈钢通用
P 低碳钢				150-300		60-250	70-250	100-250
高碳钢				150-350		60-150	70-150	80-150
淬硬钢 HRC46-58			10-30			20-60	20-60	20-60
M 不锈钢				200-300		50-150	50-150	70-150
灰口铸铁		300-1500		100-300		130-210	150-200	150-300
K 球墨铸铁/轧辊		400-800		100-200		100-160	100-150	150-230
镁/铝/塑料/木材	300-1200				300-1200			
N 铝合金 HB50-70	300-1500				300-1500			
淬硬铝合金 HB70-110	300-800				300-800			
铜/青铜/黄铜	300-1000				300-1000			
S 硬质合金/粉末冶金	10-30				10-30			
硅填充塑料/硬质纤维	400-600				400-600			
H 钛/高温合金/碳纤维	100-200				100-200	20-50	20-50	20-60

切削形态: ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ☺ 一般切削(第二推荐) General Cutting(Second recommend) ✖ 不稳定切削 Unstable Cutting

Application	钢 Steel	不锈钢 Stainless Steel	铸铁 Iron	铝/铜/镁/锌/塑料/木材 Aluminum/Copper/Magnesium/Zinc/Plastic/Wood	硬质合金/粉末冶金 Carbide/Powder Metallurgy	钛/高温合金/碳纤维 Titanium/Superalloy/Carbon Fiber
P	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●
M	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●
K	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●
N	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●
S	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●
H	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●

切削形态: ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ☺ 一般切削(第二推荐) General Cutting(Second recommend) ✖ 不稳定切削 Unstable Cutting

Application	钢 Steel	不锈钢 Stainless Steel	铸铁 Iron	铝/铜/镁/锌/塑料/木材 Aluminum/Copper/Magnesium/Zinc/Plastic/Wood	硬质合金/粉末冶金 Carbide/Powder Metallurgy	钛/高温合金/碳纤维 Titanium/Superalloy/Carbon Fiber
P	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●
M	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●
K	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●
N	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●
S	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●
H	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●

用途 Application	尺寸形状 Dimension and Shape	规格型号 Specification	尺寸 Dimension				应用									
			W _{d0.05}	B	r _c	θ	PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP15	ZM856	ZM860	
切崩加工 Cut-off	有排屑槽 With Groove	CTPA 07FR 10FR 15FR 20FR 25FR 30FR	0.7 1.0 1.5 2.0 2.5 3.0	4.5 6.7 9.2 9.2 9.2 9.2	0.05	16°	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●
切崩/切槽加工 Cut-off/Grooving	有排屑槽 With Groove	CTPA 07FRN 10FRN 15FRN 20FRN 25FRN 30FRN	0.7 1.0 1.5 2.0 2.5 3.0	4.5 6.7 9.2 9.2 9.2 9.2	0.05	0°	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●
切崩加工 Cut-off	有排屑槽 With Groove	CTPA 07FRK 10FRK 15FRK 20FRK	0.7 1.0 1.5 2.0	4.5 6.7 9.2 9.2	0.05	16°	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●
切崩加工 Cut-off	有排屑槽 With Groove	CTPA 07FL 10FL 15FL 20FL 25FL 30FL	0.7 1.0 1.5 2.0 2.5 3.0	4.5 6.7 9.2 9.2 9.2 9.2	0.05	16°	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●
切崩/切槽加工 Cut-off/Grooving	有排屑槽 With Groove	CTPA 07FLN 10FLN 15FLN 20FLN 25FLN 30FLN	0.7 1.0 1.5 2.0 2.5 3.0	4.5 6.7 9.2 9.2 9.2 9.2	0.05	0°	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●
切崩加工 Cut-off	有排屑槽 With Groove	CTPA 07FLK 10FLK 15FLK 20FLK	0.7 1.0 1.5 2.0	4.5 6.7 9.2 9.2	0.05	16°	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●

用途 Application	尺寸形状 Dimension and Shape	规格型号 Specification	尺寸 Dimension				应用									
			W _{d0.05}	B	r _c	θ	PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP15	ZM856	ZM860	
切崩加工 Cut-off	无排屑槽 Without Groove	CTPA 10FRV 15FRV 20FRV	1.0 1.5 2.0	6.7 9.5 9.5	0.0	20°	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●
切崩/切槽加工 Cut-off/Grooving	无排屑槽 Without Groove	CTPA 15FRNV 20FRNV	1.5 2.0	9.5 9.5	0.0	0°	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●
切崩加工 Cut-off	有排屑槽 With Groove	CTPA 10FLV 15FLV 20FLV	1.0 1.5 2.0	6.7 9.5 9.5	0.0	20°	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●
切崩/切槽加工 Cut-off/Grooving	无排屑槽 Without Groove	CTPA 15FLNV 20FLNV	1.5 2.0	9.5 9.5	0.0	0°	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●
切崩加工 Cut-off	有排屑槽 With Groove	CTPA 15FLKV	1.5	9.5	0.0	20°	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●

外圆刀柄: AB10

☆ θ 为刀柄安装时取角
☆ Installation Angle For The Toolholder

CTPA/CTPW..切断刀片

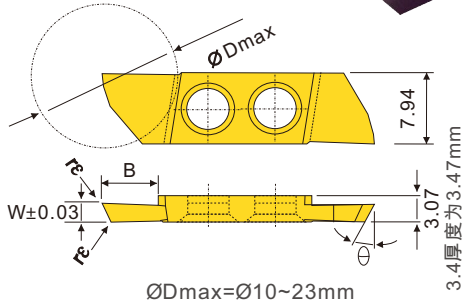
CTPA/CTPW Small Parts Cut-off/Grooving Insert

CTPW

小零件加工
切断
切槽刀片



小零件专用车刀:AB44
(Small Parts Toolholder)



切削线速度 (Cutting Speed) : m/min³

加工材料 材料特点	PCD 金刚石	CBN-K 铸铁专用	CBN-S 难切削材料	ZN60 光洁度好	ZK01 铜铝加工	ZM826 黄色通用	ZP15 紫色通用	ZM856 不锈钢通用
P 低碳钢				150-300		60-250	70-250	100-250
高碳钢				150-350		60-150	70-150	80-150
M 淬硬钢 HRC46-58			10-30			20-60	20-60	20-60
K 不锈钢				200-300		50-150	50-150	70-150
灰口铸铁		300-1500		100-300		130-210	150-200	150-300
K 球墨铸铁/轧辊		400-800		100-200		100-160	100-150	150-230
N 镁/铝/铜/锌/塑料/木材	300-1200				300-1200			
N 铝合金 HB50-70	300-1500				300-1500			
N 淬硬铝合金 HB70-110	300-800				300-800			
S 铜/青铜/黄铜	300-1000				300-1000			
S 硬质合金/粉末冶金	10-30				10-30			
H 硅填充塑料/硬质纤维	400-600				400-600			
H 钛/高温合金/碳纤维	100-200				100-200	20-50	20-50	20-60

切削形态: ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ☺ 一般切削(第二推荐) General Cutting(Second recommend) ✖ 不稳定切削 Unstable Cutting

Application	用途	尺寸形状	规格型号	尺寸 Dimension	PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP15	ZM856
P	钢	Steel			●	●	●	●	●	●	●	●
M	不锈钢	Stainless Steel			●	●	●	●	●	●	●	●
K	铸铁	Iron			●	●	●	●	●	●	●	●
N	铝/铜/镁/锌/塑料/木材	Aluminum/Copper/Magnesium/Zinc/Plastic/Wood			●	●	●	●	●	●	●	●
S	硬质合金/粉末冶金	Carbide/Powder Metallurgy			●	●	●	●	●	●	●	●
H	钛/高温合金/碳纤维	Titanium/Superalloy/Carbon Fiber			●	●	●	●	●	●	●	●

切削形态: ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ☺ 一般切削(第二推荐) General Cutting(Second recommend) ✖ 不稳定切削 Unstable Cutting

Application	用途	尺寸形状	规格型号	尺寸 Dimension	PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP15	ZM856
P	钢	Steel			●	●	●	●	●	●	●	●
M	不锈钢	Stainless Steel			●	●	●	●	●	●	●	●
K	铸铁	Iron			●	●	●	●	●	●	●	●
N	铝/铜/镁/锌/塑料/木材	Aluminum/Copper/Magnesium/Zinc/Plastic/Wood			●	●	●	●	●	●	●	●
S	硬质合金/粉末冶金	Carbide/Powder Metallurgy			●	●	●	●	●	●	●	●
H	钛/高温合金/碳纤维	Titanium/Superalloy/Carbon Fiber			●	●	●	●	●	●	●	●

Application	用途	尺寸形状	规格型号	尺寸 Dimension	PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP15	ZM856
Cut-off	切断加工 有排屑槽 With Groove		CTPW 10FR	1.0 5.0 0.06	15°	●	●	●	●	●	●	●
			15FR	1.5 8.5 0.06		●	●	●	●	●	●	
			20FR	2.0 11.5 0.1		●	●	●	●	●	●	
			25FR	2.5 11.5 0.1		●	●	●	●	●	●	
			30FR	3.0 11.5 0.2		●	●	●	●	●	●	
Cut-off/Grooving	切断/切槽加工 有排屑槽 With Groove		CTPW 10FRN	1.0 5.0 0.06	0°	●	●	●	●	●	●	●
			15FRN	1.5 8.5 0.06		●	●	●	●	●	●	
			20FRN	2.0 11.5 0.1		●	●	●	●	●	●	
			25FRN	2.5 11.5 0.1		●	●	●	●	●	●	
			30FRN	3.0 11.5 0.2		●	●	●	●	●	●	
Cut-off	切断加工 有排屑槽 With Groove		CTPW 10FL	1.0 5.0 0.06	15°	●	●	●	●	●	●	●
			15FL	1.5 8.5 0.06		●	●	●	●	●	●	
			20FL	2.0 11.5 0.1		●	●	●	●	●	●	
			25FL	2.5 11.5 0.1		●	●	●	●	●	●	
			30FL	3.0 11.5 0.2		●	●	●	●	●	●	
Cut-off/Grooving	切断/切槽加工 有排屑槽 With Groove		CTPW 10FLN	1.0 5.0 0.06	0°	●	●	●	●	●	●	●
			15FLN	1.5 8.5 0.06		●	●	●	●	●	●	
			20FLN	2.0 11.5 0.1		●	●	●	●	●	●	
			25FLN	2.5 11.5 0.1		●	●	●	●	●	●	
			30FLN	3.0 11.5 0.2		●	●	●	●	●	●	

Application	用途	尺寸形状	规格型号	尺寸 Dimension	PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP15	ZM856
Cut-off	切断加工 有排屑槽 With Groove		CTPW 10FRU	1.0 5.0 0.06	15°	●	●	●	●	●	●	●
			15FRU	1.5 8.5 0.06		●	●	●	●	●	●	
			20FRU	2.0 11.5 0.1		●	●	●	●	●	●	
			25FRU	2.5 11.5 0.1		●	●	●	●	●	●	
			30FRU	3.0 11.5 0.2		●	●	●	●	●	●	
Cut-off/Grooving	切断/切槽加工 无排屑槽 Without Groove		CTPW 10FRNV	1.0 5.0 0.06	0°	●	●	●	●	●	●	●
			15FRNV	1.5 8.5 0.06		●	●	●	●	●	●	
			20FRNV	2.0 11.5 0.1		●	●	●	●	●	●	
			25FRNV	2.5 11.5 0.1		●	●	●	●	●	●	
			30FRNV	3.0 11.5 0.2		●	●	●	●	●	●	
Cut-off	切断加工 有排屑槽 With Groove		CTPW 10FLU	1.0 5.0 0.06	15°	●	●	●	●	●	●	●
			15FLU	1.5 8.5 0.06		●	●	●	●	●	●	
			20FLU	2.0 11.5 0.1		●	●	●	●	●	●	
			25FLU	2.5 11.5 0.1		●	●	●	●	●	●	
			30FLU	3.0 11.5 0.2		●	●	●	●	●	●	
Cut-off/Grooving	切断/切槽加工 无排屑槽 Without Groove		CTPW 10FLNV	1.0 5.0 0.06	0°	●	●	●	●	●	●	●
			15FLNV	1.5 8.5 0.06		●	●	●	●	●	●	
			20FLNV	2.0 11.5 0.1		●	●	●	●	●	●	
			25FLNV	2.5 11.5 0.1		●	●	●	●	●	●	
			30FLNV	3.0 11.5 0.2		●	●	●	●	●	●	
End Face Grooving	端面切槽加工 有排屑槽 With Groove		CTPW 20FLN-D	2.0 9.0 0.06	0°	●	●	●	●	●	●	●
			25FLN-D	2.5 11.5 0.10		●	●	●	●	●	●	
			30FLN-D	3.0 11.5 0.15		●	●	●	●	●	●	
			34FLN-D	3.4 11.5 0.15		●	●	●	●	●	●	

☆θ为刀柄安装时取角
☆θ Installation Angle For The Toolholder

数控刀片

CN
DN
RN
KN
175
SN
TN
VN
WN

CC
DC
RC
SC
WB
TB
TC
TP
VB
VC

三角
浅槽
TGF
GBA
T.N/E

小零件
CTP
TKF

切槽
切断
MG.
MR.
SP.
GMM
TDC

后车削
ABS
TBP
TKFB

内孔
切槽
GER
GR

螺纹
车削
刀片

铣削
刀片

数控
刀片

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175
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CC
DC
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SC
WB
TB
TC
TP
VB
VC

三角
浅槽
TGF
GBA
T.N/E

小
零件
CTP
TKF

切槽
切断
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后
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TKFB

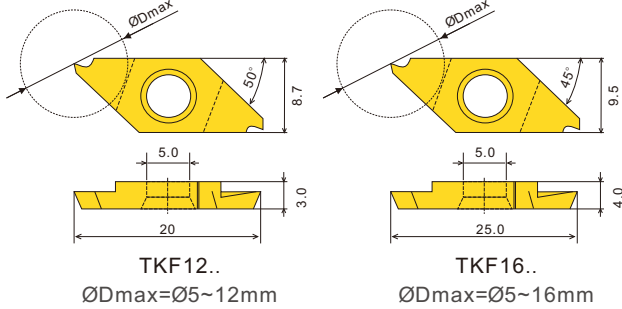
内孔
切槽

GER
GR

螺
纹
车削
刀片

铣
削
刀片

小零件加工 TKF 切断 切槽刀片



小零件专用车刀:AB45-AB46
(Small Parts Toolholder)

切削线速度 (Cutting Speed) : m/min³ (mm)

加工材料 Material	刀具材质 Material	材料特点 Material Features	PCD 金刚石 Diamond	CBN-K 铸铁专用 Cast Iron Specific	CBN-S 难切削材料 Difficult to Cut	ZN60 光洁度好 Good Surface Finish	ZK01 铜铝加工 Copper/Aluminum	ZM26 黄色适用 Yellow Suitable	ZP15 紫色适用 Purple Suitable	ZM856 不锈钢适用 Stainless Steel Suitable
P	低碳钢					150-600		60-250	70-250	100-250
	高碳钢					150-350		60-150	70-150	80-150
M	淬硬钢	HRC46-58			10-30			20-60	20-60	20-60
	不锈钢					200-300		50-150	50-150	70-150
K	灰口铸铁			300-1500		100-300		130-210	150-200	150-300
	球墨铸铁/轧辊			400-800		100-200		100-160	100-150	150-230
N	镁/铸/塑料/木材		300-1200				300-1200			
	铝合金	HB50-70	300-1500				300-1500			
S	淬硬铝合金	HB70-110	300-800				300-800			
	铜/青铜/黄铜		300-1000				300-1000			
H	硬质合金/粉末冶金		10-30				10-30			
	硅填充塑料/硬质纤维		400-600				400-600			
	钛/高温合金/碳纤维		100-200				100-200	20-50	20-50	20-60

切削形态: ● 稳定切削 (Stable Cutting) ● 一般切削 (General Cutting) ☺ 一般切削(第二推荐) (General Cutting(Second recommend)) ✖ 不稳定切削 (Unstable Cutting)

应用 Application	材料 Material	应用 Application	材料 Material	应用 Application	材料 Material	应用 Application	材料 Material	应用 Application	材料 Material	应用 Application	材料 Material
P	钢	M	不锈钢	K	铸铁	N	铝/铜/镁/铸/塑料/木材	S	硬质合金/粉末冶金	H	钛/高温合金/碳纤维
Steel	Stainless Steel	Iron	Aluminum/Copper/Magnesium/Zinc/Plastic/Wood	Carbide/Powder Metallurgy	Titanium/Superalloy/Carbon Fiber						

切削形态: ● 稳定切削 (Stable Cutting) ● 一般切削 (General Cutting) ☺ 一般切削(第二推荐) (General Cutting(Second recommend)) ✖ 不稳定切削 (Unstable Cutting)

应用 Application	材料 Material	应用 Application	材料 Material	应用 Application	材料 Material	应用 Application	材料 Material	应用 Application	材料 Material	应用 Application	材料 Material
P	钢	M	不锈钢	K	铸铁	N	铝/铜/镁/铸/塑料/木材	S	硬质合金/粉末冶金	H	钛/高温合金/碳纤维
Steel	Stainless Steel	Iron	Aluminum/Copper/Magnesium/Zinc/Plastic/Wood	Carbide/Powder Metallurgy	Titanium/Superalloy/Carbon Fiber						

应用 Application	尺寸形状 Dimension and Shape	规格型号 Specification	尺寸 Dimension				应用 Application									
			W _{a0.03}	B	r _c	θ	PCD	CBN-K	CBN-S	ZN60	ZK01	ZM26	ZP15	ZM856		
切槽加工 Cut-off	有排屑槽 With Groove	TKF12R 050-S16R	0.5	2.8	0.03	16°	●	●	●	●	●	●	●	●	●	●
		TKF16R 100-S16R	1.0	8.5			0.05	16°	●	●	●	●	●	●	●	●
切槽/切槽加工 Cut-off/Cut-off	有排屑槽 With Groove	TKF12R 050-S	0.5	2.8	0.03	0°	●	●	●	●	●	●	●	●	●	●
		TKF16R 100-S	1.0	8.5			0.05	0°	●	●	●	●	●	●	●	●
切槽加工 Cut-off	有排屑槽 With Groove	TKF12L 050-S16R	0.5	2.8	0.03	16°	●	●	●	●	●	●	●	●	●	●
		TKF16L 100-S16R	1.0	8.5			0.05	16°	●	●	●	●	●	●	●	●
切槽/切槽加工 Cut-off/Cut-off	有排屑槽 With Groove	TKF12L 050-S	0.5	2.8	0.03	0°	●	●	●	●	●	●	●	●	●	●
		TKF16L 100-S	1.0	8.5			0.05	0°	●	●	●	●	●	●	●	●

应用 Application	尺寸形状 Dimension and Shape	规格型号 Specification	尺寸 Dimension				应用 Application									
			W _{a0.03}	B	r _c	θ	PCD	CBN-K	CBN-S	ZN60	ZK01	ZM26	ZP15	ZM856		
切槽加工 Cut-off	无排屑槽 Without Groove	TKF12R 050-S16R	0.5	2.8	0.03	20°	●	●	●	●	●	●	●	●	●	●
		TKF16R 100-S16R	1.0	8.5			0.05	20°	●	●	●	●	●	●	●	●
切槽/切槽加工 Cut-off/Cut-off	无排屑槽 Without Groove	TKF12R 050-S	0.5	2.8	0.03	0°	●	●	●	●	●	●	●	●	●	●
		TKF16R 100-S	1.0	8.5			0.05	0°	●	●	●	●	●	●	●	●
切槽加工 Cut-off	无排屑槽 Without Groove	TKF12L 050-S16R	0.5	2.8	0.03	20°	●	●	●	●	●	●	●	●	●	●
		TKF16L 100-S16R	1.0	8.5			0.05	20°	●	●	●	●	●	●	●	●
切槽/切槽加工 Cut-off/Cut-off	无排屑槽 Without Groove	TKF12L 050-S	0.5	2.8	0.03	0°	●	●	●	●	●	●	●	●	●	●
		TKF16L 100-S	1.0	8.5			0.05	0°	●	●	●	●	●	●	●	●

☆θ为刀柄安装时取角
☆θ Installation Angle For The Toolholder

数控
刀片

CN
DN
RN
KN
175
SN
TN
VN
WN

CC
DC
RC
SC
WB
TB
TC
TP
VB
VC

三角
浅槽
TGF
GBA
T.N/E

小
零件
CTP
TKF

切槽
切断
MG.
MR.
SP.
GMM
TDC

后
车削
ABS
TBP
TKFB

内孔
切槽
GER
GR

螺
纹
车
削
刀
片

铣
削
刀
片

切槽/切断加工

End Face Grooving Cut-off / Grooving Processing

应用		用途		尺寸		规格		尺寸		应用	
Application		Application		Dimension		Specification		Dimension		Application	
用途		产品图片		规格型号		尺寸		应用		应用	
Dimensioning		Product Image		Specification		Dimension		Application		Application	
W		r _e		L		B		H		θ	
切槽/切槽加工 Cut-off/Grooving			MGMN 150 200 250 300-02 300 350-03 400-02 400 500-04 500 600 700 800	1.5	0.15	16.0	1.6	3.5	-	•••••	•••••
				2.0	0.2	16.0	1.6	3.5	-	•••••	•••••
				2.5	0.2	18.5	2.0	3.85	-	•••••	•••••
				3.0	0.2	21.0	2.35	4.8	-	•••••	•••••
				3.0	0.4	21.0	2.35	4.8	-	•••••	•••••
				3.5	0.3	21.0	2.35	4.8	-	•••••	•••••
				4.0	0.2	21.0	3.3	4.8	-	•••••	•••••
				4.0	0.4	21.0	3.3	4.8	-	•••••	•••••
				5.0	0.4	26.0	4.1	5.8	-	•••••	•••••
				5.0	0.8	26.0	4.1	5.8	-	•••••	•••••
6.0	0.8	26.0	5.0	5.8	-	•••••	•••••				
7.0	0.8	26.0	5.0	5.8	-	•••••	•••••				
8.0	0.8	31.0	6.0	6.5	-	•••••	•••••				
铝合金轮毂加工 Aluminum Alloy Wheel Processing			MRGN 400-A 500-A 600-A 800-A	4.0	2.0	21.0	3.3	4.8	-	•	•••••
				5.0	2.5	26.0	4.1	5.8	-	•	•••••
				6.0	3.0	26.0	5.0	5.8	-	•	•••••
				8.0	4.0	31.0	6.0	6.5	-	•	•••••
切槽加工 Grooving			MRMN 200-M 300-M 400-M 500-M 600-M 800-M	2.0	1.0	16.0	1.5	3.5	-	•••••	•••••
				3.0	1.5	21.0	2.35	4.8	-	•••••	•••••
				4.0	2.0	21.0	3.3	4.8	-	•••••	•••••
				5.0	2.5	26.0	4.1	5.8	-	•••••	•••••
				6.0	3.0	26.0	5.0	5.8	-	•••••	•••••
				8.0	4.0	31.0	6.0	6.5	-	•••••	•••••
切槽加工 Grooving			MRMN 150 200 250 300 350 400 500 600 700 800	1.5	0.75	16.0	1.2	3.5	-	•••••	•••••
				2.0	1.0	16.0	1.6	3.5	-	•••••	•••••
				2.5	1.25	18.5	2.0	3.85	-	•••••	•••••
				3.0	1.5	21.0	2.35	4.8	-	•••••	•••••
				3.5	1.75	21.0	2.35	4.8	-	•••••	•••••
				4.0	2.0	21.0	3.3	4.8	-	•••••	•••••
铝合金轮毂加工 Aluminum Alloy Wheel Processing			MGVN 8N-A-R1.2 8N-A-R1.6	-	1.2	30.0	6.0	6.9	-	•	•••••
				-	1.6	30.0	6.0	6.9	-	•	•••••
切槽/切槽加工 Cut-off/Grooving			MGGN 150 200 250 300 400 500 600	1.5	0.15	16.0	1.2	3.5	-	••	••
				2.0	0.2	16.0	1.6	3.5	-	••	••
				2.5	0.2	18.5	2.0	3.85	-	••	••
				3.0	0.4	21.0	2.35	4.8	-	••	••
				4.0	0.4	21.0	3.3	4.8	-	••	••
				5.0	0.8	26.0	4.1	5.8	-	••	••
切槽加工 Cut-off Processing			MGGN 150R-8 200R-8 250R-8 300R-8 400R-8 500R-8 600R-8	1.5	0.15	16.0	1.2	3.5	8°	••	••
				2.0	0.2	16.0	1.6	3.5	8°	••	••
				2.5	0.2	18.5	2.0	3.85	8°	••	••
				3.0	0.4	21.0	2.35	4.8	8°	••	••
				4.0	0.4	21.0	3.3	4.8	8°	••	••
				5.0	0.8	26.0	4.1	5.8	8°	••	••
切槽加工 Cut-off Processing			MGGN 150L-8 200L-8 250L-8 300L-8 400L-8 500L-8 600L-8	1.5	0.15	16.0	1.2	3.5	8°	••	••
				2.0	0.2	16.0	1.6	3.5	8°	••	••
				2.5	0.2	18.5	2.0	3.85	8°	••	••
				3.0	0.4	21.0	2.35	4.8	8°	••	••
				4.0	0.4	21.0	3.3	4.8	8°	••	••
				5.0	0.8	26.0	4.1	5.8	8°	••	••

应用		用途		尺寸		规格		尺寸		应用	
Application		Application		Dimension		Specification		Dimension		Application	
用途		产品图片		规格型号		尺寸		应用		应用	
Dimensioning		Product Image		Specification		Dimension		Application		Application	
W		r _e		L		B		H		θ	
切槽加工 Cut-off Processing			SP 200 300 400 500 600	2.2	0.2	9.3	-	-	-	-	•••••
				3.1	0.2	11.3	-	-	-	-	•••••
				4.1	0.25	11.3	-	-	-	-	•••••
				5.1	0.3	11.4	-	-	-	-	•••••
				6.4	0.35	11.4	-	-	-	-	•••••
切槽加工 Cut-off Processing			SP 200R 300R 400R 500R 600R	2.2	0.2	9.3	-	-	-	-	•••••
				3.1	0.2	11.3	-	-	-	-	•••••
				4.1	0.25	11.3	-	-	-	-	•••••
				5.1	0.3	11.4	-	-	-	-	•••••
				6.4	0.35	11.4	-	-	-	-	•••••
切槽加工 Cut-off Processing			SP 200L 300L 400L 500L 600L	2.2	0.2	9.3	-	-	-	-	•••••
				3.1	0.2	11.3	-	-	-	-	•••••
				4.1	0.25	11.3	-	-	-	-	•••••
				5.1	0.3	11.4	-	-	-	-	•••••
				6.4	0.35	11.4	-	-	-	-	•••••

数控刀片

CN
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CC
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三角
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TDC

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ABS
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TKFB

内孔切槽
GER
GR

螺纹车削
刀片

铣削
刀片

数控
刀片

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后
车削
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TBP
TKFB

内孔
切槽
GER
GR

螺
纹
车
削
片

铣
削
片

切削线速度 (Cutting Speed) : m/min

(mm)

A4. 切断加工 外圆内孔 端面切槽

👉 外圆车刀 : B158
(External Toolholder)

加工材料 刀具材质 材料特点	PCD 金刚石	CBN-K 铸铁专用	CBN-S 难切削材料	ZN60 光洁度好	ZN90 高速精加工	ZK01 铜铝加工	ZC250 CVD 钢件	ZC251 CVD 钢件	ZC32S 钢件高速	ZP152 不锈钢通用	ZP153 不锈钢高速	ZP163 高硬高速	ZK50 CVD 铸铁	ZK50S 铸铁高速
P 低碳钢				150-600	150-800		70-500	150-500	150-600	70-250	100-250	80-300		
P 高碳钢				150-350	150-500		70-250	80-350	100-400	70-150	80-150	60-200		
P 淬硬钢 HRC46-58										20-60	20-60	20-80		
M 不锈钢			10-30	200-300	200-350					50-150	70-150	50-200		
K 灰口铸铁				100-300	100-350								200-300	200-350
K 球墨铸铁/轧辊		300-1500		100-200	100-250								150-200	150-250
N 镁/铝/铜/锌/塑料/木材	300-1200					300-1200								
N 铝合金 HB50-70	300-1500					300-1500								
N 淬硬铝合金 HB70-110	300-800					300-800								
N 铜/青铜/黄铜	300-1000					300-1000								
S 硬质合金/粉末冶金	10-30					10-30						20-50		
S 硅填充塑料/碳纤维	400-600					400-600								
H 钛/高温合金/碳纤维	100-200					100-200								

应用		尺寸		应用	
用途	尺寸标示	产品图片	规格型号	W	r _e L
切槽/切槽加工 Cut-off/Grooving			A4G 0205M02U02GMN	2.05	0.2 20
			0255M2BU02GMN	2.62	0.2 20
			0305M03U02GMN	3.05	0.2 20
			0305M03U04GMN	3.05	0.4 20
			0405M04U04GMN	4.05	0.4 20
			0405M04U08GMN	4.05	0.8 20
			0505M05U04GMN	5.05	0.4 25
			0505M05U08GMN	5.05	0.8 25
			0605M06U04GMN	6.05	0.4 30
			0605M06U08GMN	6.05	0.8 30
			0805M08U08GMN	8.05	0.8 30
			1005M10U08GMN	10.0	0.5 30
1005M10U12GMN	10.0	1.2 30			

应用		尺寸		应用	
用途	尺寸标示	产品图片	规格型号	W	r _e L
切槽加工 Grooving			A4R 0205M02U00GMN	2.05	1.1 20
			0305M03U00GMN	3.05	1.5 20
			0405M04U00GMN	4.05	2.0 20
			0505M05U00GMN	5.05	2.5 25
			0805M06U00GMN	6.05	3.0 30
			0805M08U00GMN	8.05	4.0 30
			1005M10U00GMN	10.0	5.0 30

DG 切断加工 外圆内孔 端面切槽

👉 外圆车刀 : B159
(External Toolholder)

应用		尺寸		应用	
用途	尺寸标示	产品图片	规格型号	W	r _e L B H
切槽/切槽加工 Cut-off/Grooving			DGN 2002C	2.0	0.2 19.9 -
			2502C	2.5	0.2 20.7 -
			3102C	3.1	0.2 20.1 -
			4003C	4.0	0.3 18.8 -
			5003C	5.0	0.3 19.1 -
切槽/切槽加工 Cut-off/Grooving			DGN 2002J	2.0	0.2 19.9 -
			3102J	3.1	0.2 20.1 -
			4003J	4.0	0.3 18.8 -
			5003J	5.0	0.3 19.1 -

应用		尺寸		应用	
用途	尺寸标示	规格型号	W	r _e L B H	
切槽/切槽加工 磨制槽型(精加工) Grinding groove (finishing)		PENTA24N 050P005	0.50	0.05 2.0 - - -	
		075P005	0.75	0.05 3.0 - - -	
		100P005	1.00	0.05 4.0 - - -	
		120P005	1.20	0.05 4.0 - - -	
		150P005	1.50	0.05 4.0 - - -	
		185P005	1.85	0.05 4.0 - - -	
		200P005	2.00	0.05 4.0 - - -	
		230P005	2.30	0.05 4.5 - - -	
		250P005	2.50	0.05 4.5 - - -	
		270P005	2.70	0.05 4.5 - - -	
300P005	3.00	0.05 4.5 - - -			
切槽/切槽加工 有断屑槽(粗加工) With chip breaker (roughing)		PENTA24N 050J	0.5	0.05 2.0 - - -	
		100J	1.0	0.10 2.5 - - -	
		150J	1.5	0.10 6.0 - - -	
		200J	2.0	0.10 6.0 - - -	
		250J	2.5	0.20 6.0 - - -	
		300J	3.0	0.20 6.0 - - -	

👉 (External Toolholder) : B110

切槽/切断加工

End Face Grooving Cut-off / Grooving Processing

TD 切断加工
外圆内孔
端面切槽

👉 外圆车刀 : B147
(External Toolholder)
内孔车刀 : B149-B150
(Internal Toolholder)

切削形态: Cutting Environment		● 稳定切削 Stable Cutting	● 一般切削 General Cutting	✘ 不稳定切削 Unstable Cutting																	
应用 Application	尺寸标示 Dimensioning	产品图片 Product Image	规格型号 Specification	尺寸 Dimension						应用 Application											
				W	rε	L	B	H	φ	PCD	CBN-K	CBN-S	CBN-NS	ZN60	ZK01	ZC200	ZC250	ZC215	ZP152	ZP153	
P	钢	Steel									●	●	●	●	●	●	●	●	●	●	●
M	不锈钢	Stainless Steel									●	●	●	●	●	●	●	●	●	●	●
K	铸铁	Iron									●	●	●	●	●	●	●	●	●	●	●
N	铝/铜/镁/锌/塑料/木材	Aluminum/Copper/Magnesium/Zinc/Plastic/Wood									●	●	●	●	●	●	●	●	●	●	●
S	硬质合金/粉末冶金	Carbide/Powder Metallurgy									●	●	●	●	●	●	●	●	●	●	●
H	钛/高温合金/碳纤维	Titanium/Superalloy/Carbon Fiber									●	●	●	●	●	●	●	●	●	●	●
用途	尺寸标示	产品图片	规格型号	尺寸						应用											
切槽加工			TDC 2, 3, 4, 5, 6 TDJ 1.4, 2, 3, 4, 5, 6	2.0, 3.0, 4.0, 5.0, 6.0	0.2, 0.2, 0.3, 0.3, 0.4	20.0, 20.0, 20.0, 25.0, 30.0	1.7, 2.4, 3.0, 4.0, 6.0	4.7, 4.7, 4.7, 5.2, 6.4	-		●	●	●	●	●	●	●	●	●	●	●
切槽加工			TDC 2-6R, 2-8R, 2-15R, 3-6R, 3-15R, 4-4R, 4-15R, 5-4R	2, 2, 2, 3, 4, 4, 5	0.2, 0.2, 0.2, 0.3, 0.3, 0.3, 0.3, 0.4	20.0, 20.0, 20.0, 20.0, 24.4, 24.4, 30.0, 30.0, 25.0	1.7, 1.7, 1.7, 2.4, 2.4, 3.0, 3.0, 4.7	4.7, 4.7, 4.7, 6°, 6°, 15°, 15°, 4°	6°, 8°, 15°, 6°, 15°, 4°		●	●	●	●	●	●	●	●	●	●	●
切槽加工			TSC 2, 3, 4, 5, 6, 8	2.0, 3.0, 4.0, 5.0, 6.0, 8.0	0.2, 0.2, 0.2, 0.3, 0.3, 0.4	20.0, 20.0, 20.0, 25.0, 30.0, 30.0	1.7, 2.4, 3.0, 4.0, 5.2, 6.4	4.7, 4.7, 4.7, 4.7, 5.2, 6.4	-		●	●	●	●	●	●	●	●	●	●	●

切削形态: Cutting Environment		● 稳定切削 Stable Cutting	● 一般切削 General Cutting	✘ 不稳定切削 Unstable Cutting																	
应用 Application	尺寸标示 Dimensioning	产品图片 Product Image	规格型号 Specification	尺寸 Dimension						应用 Application											
				W	rε	L	B	H	φ	PCD	CBN-K	CBN-S	CBN-NS	ZN60	ZK01	ZC200	ZC250	ZC215	ZP152	ZP153	
P	钢	Steel									●	●	●	●	●	●	●	●	●	●	●
M	不锈钢	Stainless Steel									●	●	●	●	●	●	●	●	●	●	●
K	铸铁	Iron									●	●	●	●	●	●	●	●	●	●	●
N	铝/铜/镁/锌/塑料/木材	Aluminum/Copper/Magnesium/Zinc/Plastic/Wood									●	●	●	●	●	●	●	●	●	●	●
S	硬质合金/粉末冶金	Carbide/Powder Metallurgy									●	●	●	●	●	●	●	●	●	●	●
H	钛/高温合金/碳纤维	Titanium/Superalloy/Carbon Fiber									●	●	●	●	●	●	●	●	●	●	●
用途	尺寸标示	产品图片	规格型号	尺寸						应用											
切槽加工			TDT 30, 40, 50	3.0, 4.0, 5.0	1.5, 2.0, 2.5	20, 25, 25	-	5.5, 5.9, 5.9	-		●	●	●	●	●	●	●	●	●	●	●
切槽加工			TDC 2-6L, 2-8L, 2-15L, 3-6L, 3-15L, 4-4L, 4-15L, 5-4L	2, 2, 2, 3, 4, 4, 5	0.2, 0.2, 0.2, 0.3, 0.3, 0.3, 0.4	20.0, 20.0, 20.0, 20.0, 24.4, 24.4, 30.0, 30.0, 25.0	1.7, 1.7, 1.7, 2.4, 2.4, 3.0, 3.0, 4.7	4.7, 4.7, 4.7, 6°, 6°, 15°, 15°, 4°	6°, 8°, 15°, 6°, 15°, 4°		●	●	●	●	●	●	●	●	●	●	●
切槽加工			TDC 2, 3, 4, 5, 6, 8 TDJ 1.4, 2, 3, 4, 5, 6	2.0, 3.0, 4.0, 5.0, 6.0, 8.0	0.2, 0.2, 0.2, 0.3, 0.3, 0.4	20.0, 20.0, 20.0, 25.0, 30.0, 30.0	1.7, 2.4, 3.0, 4.0, 5.2, 6.4	4.7, 4.7, 4.7, 4.7, 5.2, 6.4	-		●	●	●	●	●	●	●	●	●	●	●

WGE 切断加工
外圆内孔
端面切槽

👉 外圆车刀 : B156
(External Toolholder)

切削形态: Cutting Environment		● 稳定切削 Stable Cutting	● 一般切削 General Cutting	✘ 不稳定切削 Unstable Cutting																	
应用 Application	尺寸标示 Dimensioning	产品图片 Product Image	规格型号 Specification	尺寸 Dimension						应用 Application											
				W	rε	L	B	H	φ	PCD	CBN-K	CBN-S	CBN-NS	ZN60	ZK01	ZC200	ZC250	ZC215	ZP152	ZP153	
P	钢	Steel									●	●	●	●	●	●	●	●	●	●	●
M	不锈钢	Stainless Steel									●	●	●	●	●	●	●	●	●	●	●
K	铸铁	Iron									●	●	●	●	●	●	●	●	●	●	●
N	铝/铜/镁/锌/塑料/木材	Aluminum/Copper/Magnesium/Zinc/Plastic/Wood									●	●	●	●	●	●	●	●	●	●	●
S	硬质合金/粉末冶金	Carbide/Powder Metallurgy									●	●	●	●	●	●	●	●	●	●	●
H	钛/高温合金/碳纤维	Titanium/Superalloy/Carbon Fiber									●	●	●	●	●	●	●	●	●	●	●
用途	尺寸标示	产品图片	规格型号	尺寸						应用											
切槽加工			WGE 20, 30, 40, 50	2.0, 3.0, 4.0, 5.0	0.2, 0.2, 0.2, 0.2	20, 20, 25, 25	-	4.7, 5.5, 5.7, 5.9	-		●	●	●	●	●	●	●	●	●	●	●
切槽加工			WGR 30, 40, 50	3.0, 4.0, 5.0	1.5, 2.0, 2.5	20, 25, 25	-	5.5, 5.7, 5.9	-		●	●	●	●	●	●	●	●	●	●	●

切削形态: Cutting Environment		● 稳定切削 Stable Cutting	● 一般切削 General Cutting	✘ 不稳定切削 Unstable Cutting																	
应用 Application	尺寸标示 Dimensioning	产品图片 Product Image	规格型号 Specification	尺寸 Dimension						应用 Application											
				W	rε	L	B	H	φ	PCD	CBN-K	CBN-S	CBN-NS	ZN60	ZK01	ZC200	ZC250	ZC215	ZP152	ZP153	
P	钢	Steel									●	●	●	●	●	●	●	●	●	●	●
M	不锈钢	Stainless Steel									●	●	●	●	●	●	●	●	●	●	●
K	铸铁	Iron									●	●	●	●	●	●	●	●	●	●	●
N	铝/铜/镁/锌/塑料/木材	Aluminum/Copper/Magnesium/Zinc/Plastic/Wood									●	●	●	●	●	●	●	●	●	●	●
S	硬质合金/粉末冶金	Carbide/Powder Metallurgy									●	●	●	●	●	●	●	●	●	●	●
H	钛/高温合金/碳纤维	Titanium/Superalloy/Carbon Fiber									●	●	●	●	●	●	●	●	●	●	●
用途	尺寸标示	产品图片	规格型号	尺寸						应用											
切槽加工			WGE 20R, 30R, 40R, 50R	2.0, 3.0, 4.0, 5.0	0.2, 0.2, 0.2, 0.2	20, 20, 25, 25	-	4.7, 5.5, 5.7, 5.9	-		●	●	●	●	●	●	●	●	●	●	●
切槽加工			WGE 20L, 30L, 40L, 50L	2.0, 3.0, 4.0, 5.0	0.2, 0.2, 0.2, 0.2	20, 25, 25, 25	-	4.7, 5.5, 5.7, 5.9	-		●	●	●	●	●	●	●	●	●	●	●

- 数控刀片
- CN
- DN
- RN
- KN
- 175
- SN
- TN
- VN
- WN
- CC
- DC
- RC
- SC
- WB
- TB
- TC
- TP
- VB
- VC
- 三角浅槽
- TGF
- GBA
- T.N/E
- 小零件
- CTP
- TKF
- 切槽刃
- MG
- MR
- SP
- GMM
- TDC
- 后车削
- ABS
- TBP
- TKFB
- 内孔切槽
- GER
- GR
- 螺纹车削刀片
- 铣削刀片

数控
刀片

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浅槽
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T.N/E

小
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切槽
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MG
MR
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GMM
TDC

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车削
ABS
TBP
TKFB

内孔
切槽
GER
GR

螺
纹
车削
刀片

铣
削
刀片

Z... 切断加工 外圆内孔 端面切槽

👉 外圆车刀: B154
(External Toolholder)
内孔车刀: B153-B154
(Internal Toolholder)
端面槽车刀: B191
(End Face Toolholder)

切削线速度 (Cutting Speed): m/min⁻¹ (mm)

加工材料 刀具材质 材质特点	PCD 金刚石	CBN-K 铸铁专用	CBN-S 难切削材料	ZN60 光洁度好	ZN90 高速精加工	ZK01 铜铝加工	ZC250 CVD 铜件	ZC251 CVD 铜件	ZC32S 铜件高速	ZP152 不锈钢通用	ZP153 不锈钢高速	ZP163 高硬高速	ZK50 CVD 铸铁	ZK50S 铸铁高速
P 低碳钢				150-600	150-800		70-500	150-500	150-600	70-250	100-250	80-300		
P 高碳钢				150-350	150-500		70-250	80-350	100-400	70-150	80-150	60-200		
P 淬硬钢 HRC46-58			10-30							20-60	20-60	20-80		
M 不锈钢				200-300	200-350					50-150	70-150	50-200		
K 灰口铸铁		300-1500		100-300	100-350								200-300	200-350
K 球墨铸铁/轧辊		400-800		100-200	100-250								150-200	150-250
N 镁/锌/塑料/木材	300-1200					300-1200								
N 铝合金 HB50-70	300-1500					300-1500								
N 淬硬铝合金 HB70-110	300-800					300-800								
N 铜/青铜/黄铜	300-1000					300-1000								
S 硬质合金/粉末冶金	10-30					10-30						20-50		
S 硅填充塑料/硬质纤维	400-600					400-600								
H 钛/高温合金/碳纤维	100-200					100-200				20-50	20-60	30-80		

切削形态: ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ✘ 不稳定切削 Unstable Cutting

应用	尺寸标示	产品图片	规格型号	尺寸 Dimension						应用																	
用途	Dimensioning	Product Image	Specification	W	r _c	L	B	H	φ	PCD	CBN-K	CBN-S	ZN60	ZN90	ZK01	ZC250	ZC251	ZC32S	ZP152	ZP153	ZP163	ZK50	ZK50S				
切断/切槽加工 Cut-off/ Grooving			ZTED 02503-MG	2.5	0.3	17	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
			0303-MG	3.0	0.3	17	-	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
			0404-MG	4.0	0.4	22	-	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
			0504-MG	5.0	0.4	22	-	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
			0608-MG	6.0	0.8	22	-	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
切槽加工 Grooving			ZRED 025-MG	2.5	1.25	17.5	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
			03-MG	3.0	1.5	17	-	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
			04-MG	4.0	2.0	21	-	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
			05-MG	5.0	2.5	20	-	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
			06-MG	6.0	3.0	19	-	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

切削形态: ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ✘ 不稳定切削 Unstable Cutting

应用	尺寸标示	产品图片	规格型号	尺寸 Dimension						应用																	
用途	Dimensioning	Product Image	Specification	W	r _c	L	B	H	φ	PCD	CBN-K	CBN-S	ZN60	ZN90	ZK01	ZC250	ZC251	ZC32S	ZP152	ZP153	ZP163	ZK50	ZK50S				
切断/切槽加工 Cut-off/ Grooving			ZOMX 3N11-1E	3.1	0.3	11	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
			4N11-1E	4.1	0.3	11	-	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
			5N11-1E	5.1	0.3	11	-	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
			6N11-1E	6.4	0.3	11	-	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
			7N11-1E	7.0	0.3	14	-	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
切槽加工 Grooving			ZRKD 06-LH	6.0	3.0	19	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●			
			ZRLD 08-LH	8.0	4.0	22	-	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	

数控
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三角
浅槽
TGF
GBA
T.N/E

小
零件
CTP
TKF

切槽
切断
MG
MR
SP
GMM
TDC

后
车削
ABS
TBP
TKFB

内孔
切槽
GER
GR

螺
纹
车
削
刀
片

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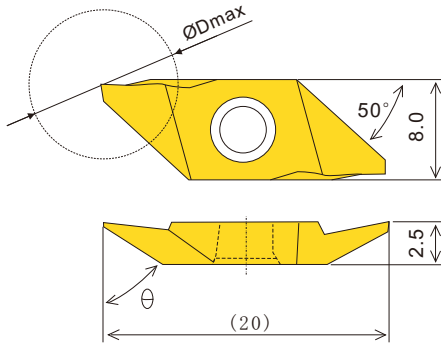
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切槽

GER
GR

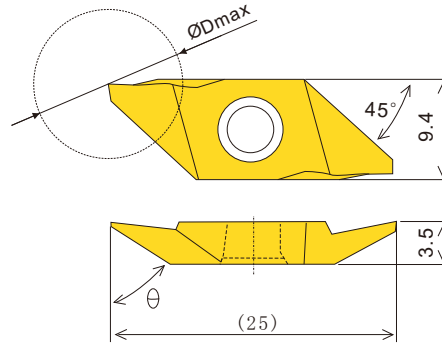
螺
纹
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铣
削
刀
片

TBP 外圆加工 背车削 后车削刀片



TBP
ØDmax=Ø5~10mm



TBPA
ØDmax=Ø5~12mm

小零件专用: AB14/AB19/AB35-AB36
(Small Parts Toolholder)



切削线速度 (Cutting Speed): m/min¹ (mm)

加工材料	刀具材质	PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP15	ZM856
材料特点		金刚石	铸铁专用	难切削材料	光洁度好	铜铝加工	黄色通用	紫色通用	不锈钢通用
P	低碳钢				150-600		60-250	70-250	100-250
	高碳钢				150-350		60-150	70-150	80-150
M	淬硬钢 HRC46-58			10-30			20-60	20-60	20-60
	不锈钢				200-300		50-150	50-150	70-150
K	灰口铸铁		300-1500		100-300		130-210	150-200	150-300
	球墨铸铁/轧辊		400-800		100-200		100-160	100-150	150-230
N	镁/锌/塑料/木材	300-1200				300-1200			
	铝合金 HB50-70	300-1500				300-1500			
S	淬硬铝合金 HB70-110	300-800				300-800			
	铜/青铜/黄铜	300-1000				300-1000			
H	硬质合金/粉末冶金	10-30				10-30			
	硅填充塑料/碳纤维	400-600				400-600			
	钛/高温合金/碳纤维	100-200				100-200	20-50	20-50	20-60

切削形态: ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ☺ 一般切削(第二推荐) General Cutting(Second recommend) ✖ 不稳定切削 Unstable Cutting

用途 Application	尺寸形状 Dimension and Shape	规格型号 Specification	尺寸 Dimension				应用									
			A	B	rε	θ	PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP15	ZM856	ZM860	
外圆加工 External Processing		TBP 55FR00	3.0	0.00	55°	●	●	●	●	●	●	●	●	●	●	●
		TBP 55FR10	3.0	0.10	55°	●	●	●	●	●	●	●	●	●	●	●
		TBP 60FR00	3.7	0.00	60°	●	●	●	●	●	●	●	●	●	●	●
		TBP 60FR10	3.7	0.10	60°	●	●	●	●	●	●	●	●	●	●	●
		TBP 60FR20	3.7	0.20	60°	●	●	●	●	●	●	●	●	●	●	●
外圆加工 External Processing		TBPA 60FR00	4.5	0.00	60°	●	●	●	●	●	●	●	●	●	●	
		TBPA 60FR10	4.5	0.10	60°	●	●	●	●	●	●	●	●	●	●	
		TBPA 60FR20	4.5	0.20	60°	●	●	●	●	●	●	●	●	●	●	
							●	●	●	●	●	●	●	●	●	●

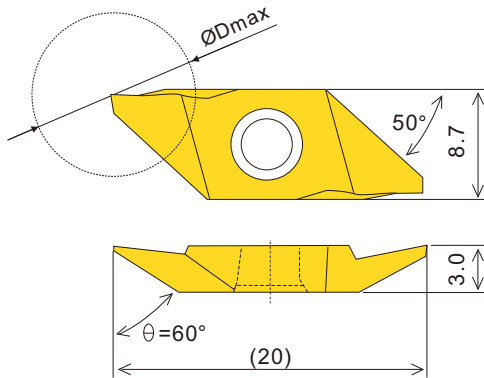
切削形态: ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ☺ 一般切削(第二推荐) General Cutting(Second recommend) ✖ 不稳定切削 Unstable Cutting

用途 Application	尺寸形状 Dimension and Shape	规格型号 Specification	尺寸 Dimension				应用								
			W _{ø0.05}	B	rε	θ	PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP15	ZM856	ZM860
外圆加工 External Processing		TBPA 60FRV00	4.8	5.3	0.00	60°	●	●	●	●	●	●	●	●	●
		TBPA 60FRV05			0.05		●	●	●	●	●	●	●	●	●
		TBPA 60FRV10			0.10		●	●	●	●	●	●	●	●	●
								●	●	●	●	●	●	●	●

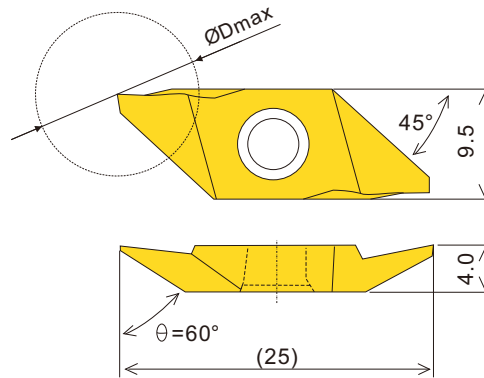
☆ θ 为刀柄安装时取值
☆ θ Installation Angle For The Toolholder

TKFB

外圆加工
背车削
后车削刀片



TKFB
ØDmax=Ø5~9mm



TKFB
ØDmax=Ø5~12mm

小零件专用: AB47-AB48
(Small Parts Toolholder)

切削线速度 (Cutting Speed) : m/min¹

加工材料	刀具材质	PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP15	ZM856
材料特点		金刚石	铸铁专用	难切削材料	光洁度好	铜铝加工	黄色通用	紫色通用	不锈钢通用
P	低碳钢				150-600		60-250	70-250	100-250
	高碳钢				150-350		60-150	70-150	80-150
	淬硬钢 HRC46-58			10-30			20-60	20-60	20-60
M	不锈钢				200-300		50-150	50-150	70-150
K	灰口铸铁		300-1500		100-300		130-210	150-200	150-300
	球墨铸铁/轧辊		400-800		100-200		100-160	100-150	150-230
	镁/锌/塑料/木材	300-1200				300-1200			
N	铝合金 HB50-70	300-1500				300-1500			
	淬硬铝合金 HB70-110	300-800				300-800			
	铜/青铜/黄铜	300-1000				300-1000			
S	硬质合金/粉末冶金	10-30				10-30			
	硅填充塑料/硬质纤维	400-600				400-600			
H	钛/高温合金/碳纤维	100-200				100-200	20-50	20-50	20-60



切削形态: ● 稳定切削 ● 一般切削 ☹ 一般切削(第二推荐) ✖ 不稳定切削
Cutting Environment Stable Cutting General Cutting General Cutting(Second recommend) Unstable Cutting

应用	尺寸形状	规格型号	尺寸 Dimension				应用								
应用	Dimension and Shape	Specification	W	B	rε	a	PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP15	ZM856	ZM860

外圆加工 External Processing		TKFB12R 15005M	1.5	2.6	0.05	0.25	●	●	●	●	●	●	●	●	●
		28005M	2.8	4.6	0.05	0.3	●	●	●	●	●	●	●	●	●
		28010M	2.8	4.6	0.1	0.3	●	●	●	●	●	●	●	●	●

外圆加工 External Processing		TKFB16R 38005M	3.8	0.3	0.05	0.3	●	●	●	●	●	●	●	●	●
		38010M	3.8	0.3	0.1	0.3	●	●	●	●	●	●	●	●	●

切削形态: ● 稳定切削 ● 一般切削 ☹ 一般切削(第二推荐) ✖ 不稳定切削
Cutting Environment Stable Cutting General Cutting General Cutting(Second recommend) Unstable Cutting

应用	尺寸形状	规格型号	尺寸 Dimension				应用								
应用	Dimension and Shape	Specification	W	B	rε	a	PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP15	ZM856	ZM860

外圆加工 External Processing		TKFB12L 15005M	1.5	2.6	0.05	0.25	●	●	●	●	●	●	●	●	●
		28005M	2.8	4.6	0.05	0.3	●	●	●	●	●	●	●	●	●
		28010M	2.8	4.6	0.1	0.3	●	●	●	●	●	●	●	●	●

外圆加工 External Processing		TKFB16L 38005M	3.8	0.3	0.05	0.3	●	●	●	●	●	●	●	●	●
		38010M	3.8	0.3	0.1	0.3	●	●	●	●	●	●	●	●	●

☆θ为刀柄安装时取值
☆θ Installation Angle For The Toolholder

数控刀片

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T.N/E

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TKF

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切断
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MR.
SP.
GMM
TDC

后车削
ABS
TBF
TKFB

内孔
切槽

GER
GR

螺纹
车削
刀片

铣削
刀片

数控
刀片

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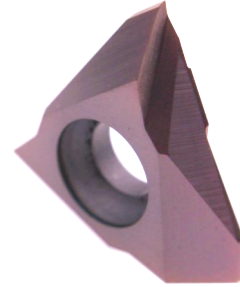
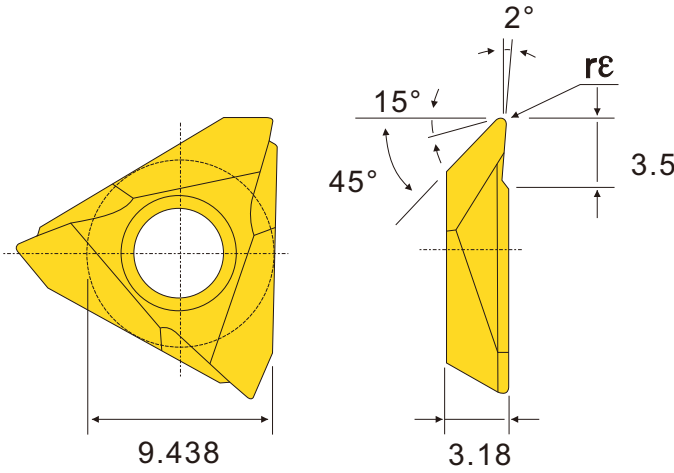
内孔
切槽
GER
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螺
纹
车削
刀片

铣
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TB..

外圆加工
背车削
后车削刀片



小零件专用: AB37
(Small Parts Toolholder)

切削线速度 (Cutting Speed): m/min⁻¹ (mm)

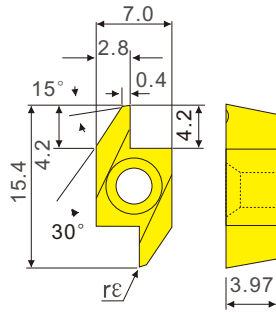
加工材料 刀具材质 材质特点	PCD 金刚石	CBN-K 铸铁专用	CBN-S 难切削材料用	ZN60 光洁度好	ZK01 铜铝加工	ZM826 黄色通用	ZP15 紫色通用	ZM856 不锈钢通用
P 低碳钢				150-600		60-250	70-250	100-250
高碳钢				150-350		60-150	70-150	80-150
淬硬钢 HRC46-58			10-30			20-60	20-60	20-60
M 不锈钢				200-300		50-150	50-150	70-150
K 灰口铸铁		300-1500		100-300		130-210	150-200	150-300
球墨铸铁/轧辊		400-800		100-200		100-160	100-150	150-230
N 铝/铜/镁/锌/塑料/木材	300-1200				300-1200			
铝合金 HB50-70	300-1500				300-1500			
淬硬铝合金 HB70-110	300-800				300-800			
铜/青铜/黄铜	300-1000				300-1000			
S 硬质合金/粉末冶金	10-30				10-30			
硅填充塑料/硬质纤维	400-600				400-600			
H 钛/高温合金/碳纤维	100-200				100-200	20-50	20-50	20-60

应用 用途	尺寸形状 Dimension and Shape	规格型号 Specification	尺寸 Dimension				PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP15	ZM856	ZM860
			A	B	rE	θ									
外圆加工 External Processing		TB 3200R 3205R 3210R 3215R 3220R	3.2	3.5	0.00 0.05 0.10 0.15 0.20	45°	●	●	●	●	●	●	●	●	●

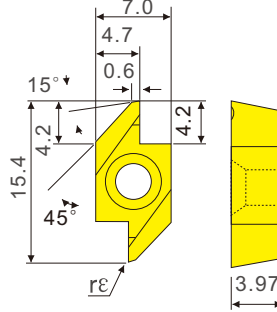
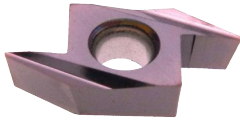
☆ θ 为刀柄安装时取值
☆ θ Installation Angle For The Toolholder

AB..

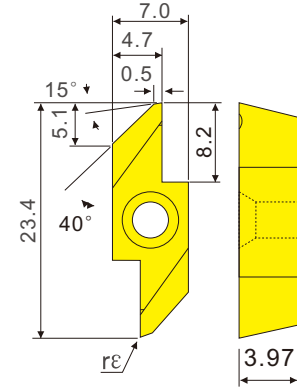
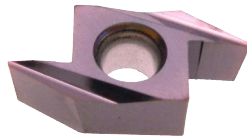
外圆加工
背车削
后车削刀片



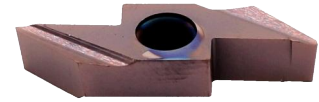
ABS15
切深 ap=4.2mm



ABW15
切深 ap=4.2mm



ABW23
切深 ap=8.2mm



小零件专用: AB33-AB34
(Small Parts Toolholder)

切削线速度 (Cutting Speed): m/min^{-1} (mm)

加工材料	PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP15	ZM856
刀具材质 材料特点	金刚石	铸铁专用	难切削材用	光洁度好	铜铝加工	黄色通用	紫色通用	不锈钢通用
P 低碳钢				150-600		60-250	70-250	100-250
高碳钢				150-350		60-150	70-150	80-150
淬硬钢 HRC46-58			10-30			20-60	20-60	20-60
M 不锈钢				200-300		50-150	50-150	70-150
灰口铸铁		300-1500		100-300		130-210	150-200	150-300
球墨铸铁/轧辊		400-800		100-200		100-160	100-150	150-230
镁/锌/塑料/木材	300-1200				300-1200			
N 铝合金 HB50-70	300-1500				300-1500			
淬硬铝合金 HB70-110	300-800				300-800			
铜/青铜/黄铜	300-1000				300-1000			
S 硬质合金/粉末冶金	10-30				10-30			
硅填充塑料/硬质纤维	400-600				400-600			
H 钛/高温合金/碳纤维	100-200				100-200	20-50	20-50	20-60

切削形态: ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ⚙ 一般切削(第二推荐) General Cutting(Second recommend) ✖ 不稳定切削 Unstable Cutting

Application	切削参数 Cutting Parameter	规格型号 Specification	尺寸 Dimension		Material Compatibility									
			rε	进给 (mm/rev)	PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP15	ZM856	ZM860	
应用 用选		ABS15R 4005	0.05											
		4015	0.15											
		ABW15R 4005	0.05											
应用 用选		4015	0.15											
		ABW23R 5005	0.05											
		5015	0.15											

数控刀片

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T.N/E

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TKF

切槽
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GMM
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后车削
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TWF

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螺纹
车削
刀片

铣削
刀片

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小零件

小孔

内孔切槽

内孔车刀:B176
(Internal Toolholder)

切削线速度 (Cutting Speed) : m/min⁻¹

(mm)

加工材料	刀具材料	PCD	CBN-K	CBN-S	ZN60	ZN90	ZK01	ZC250	ZC251	ZC32S	ZP152	ZP153	ZP163	ZK50	ZK50S
材料特点	金剛石	铸铁专用	难切削材料	光洁度好	高速精加工	铜铝加工	CVD 铜件	CVD 铜件	铜件高速	不锈钢通用	不锈钢高速	高硬高速	CVD 铸铁	铸铁高速	
低碳钢					150-600	150-800		70-500	150-500	150-600	70-250	100-250	80-300		
高碳钢					150-350	150-500		70-250	80-350	100-400	70-150	80-150	60-200		
淬硬钢 HRC46-58				10-30							20-80	20-60	20-80		
不锈钢					200-300	200-350					50-150	70-150	50-200		
灰口铸铁			300-1500		100-300	100-350								200-300	200-350
球墨铸铁/轧辊			400-800		100-200	100-250								150-200	150-250
镁/锌/塑料/木材	300-1200						300-1200								
铝合金 HB50-70	300-1500						300-1500								
淬硬铝合金 HB70-110	300-800						300-800								
铜/青铜/黄铜	300-1000						300-1000								
硬质合金/粉末冶金	10-30						10-30						20-50		
硅填充塑料/硬质纤维	400-600						400-600								
钛/高温合金/碳纤维	100-200						100-200				20-50	20-60	30-80		

应用	用途	尺寸标示	产品图片	规格型号	尺寸 Dimension							应用									
					Dimension							应用									
					W	B	A	L	H	∅d	应用	应用	应用	应用	应用	应用	应用				
切槽加工	切槽加工			6GR 100	1.0	1.5															
				6GR 150	1.5	1.5	5.56	6.44	2.34	2.3											
				6GR 200	2.0	1.5															
				7GR 100	1.0	1.5															
切槽加工	切槽加工			8GR 100	1.0	1.5															
				8GR 150	1.5	2.0															
				8GR 200	2.0	2.0	5.56	10.2	3.87	2.58											
				8GR 250	2.5	2.0															
				8GR 300	3.0	2.0															
				8GR 350	3.5	2.0															
				9GR 100	1.0	1.5															
				9GR 150	1.5	2.0															
				9GR 200	2.0	3.0	6.35	13.0	4.66	2.86											
				9GR 250	2.5	3.0															
				9GR 300	3.0	3.0															
				9GR 350	3.5	3.0															
切槽加工	切槽加工			15GR 100	1.0	1.5															
				15GR 150	1.5	2.0															
				15GR 200	2.0	3.0															
				15GR 250	2.5	3.0															
				15GR 300	3.0	3.0	9.2	20.8	5.1	4.8											
				15GR 350	3.5	3.0															

应用	用途	尺寸标示	产品图片	规格型号	尺寸 Dimension							应用									
					Dimension							应用									
					W	B	A	L	H	∅d	应用	应用	应用	应用	应用	应用	应用				
切槽加工	切槽加工			6GL 100	1.0	1.5															
				6GL 150	1.5	1.5	5.56	6.44	2.34	2.3											
				6GL 200	2.0	1.5															
				7GL 100	1.0	1.5															
切槽加工	切槽加工			8GL 100	1.0	1.5															
				8GL 150	1.5	2.0															
				8GL 200	2.0	2.0	5.56	10.2	3.87	2.58											
				8GL 250	2.5	2.0															
				8GL 300	3.0	2.0															
				8GL 350	3.5	2.0															
				9GL 100	1.0	1.5															
				9GL 150	1.5	2.0															
				9GL 200	2.0	3.0	6.35	13.0	4.66	2.86											
				9GL 250	2.5	3.0															
				9GL 300	3.0	3.0															
				9GL 350	3.5	3.0															
切槽加工	切槽加工			15GL 100	1.0	1.5															
				15GL 150	1.5	2.0															
				15GL 200	2.0	3.0															
				15GL 250	2.5	3.0															
				15GL 300	3.0	3.0	9.2	20.8	5.1	4.8											
				15GL 350	3.5	3.0															

数控
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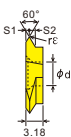
铣
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公制 螺纹车刀片

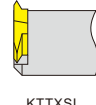
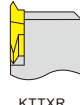
ISO Thread Turning Insert

TTX32R

外圆车刀: AB13/B117
(External Toolholder)
内孔车刀: B120
(Internal Toolholder)



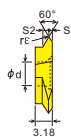
刀具安装样式 Tool installation style



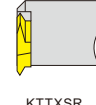
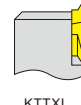
KTTXR.. KTTXSL..

TTX32L

外圆车刀: AB13/B117
(External Toolholder)
内孔车刀: B120
(Internal Toolholder)



刀具安装样式 Tool installation style



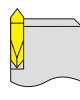
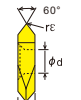
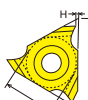
KTTXL.. KTTXSR..

用途 Application	规格型号 Specification	螺距 Pitch of Screw		尺寸 Dimension (mm)				PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP150	ZP680	ZM856	ZM860
		(mm)	(tpi)	r _c	S1	S2	A										
螺纹加工 Thread processing	TTX32R 6000	0.5-1.0	56-32	0.00	0.6	1.12											
	6000S	0.5-1.0	56-32	0.00	0.3	1.12											
	60005	0.5-1.0	48-32	0.05	0.6	1.12											
	60005S	0.5-1.0	48-32	0.05	0.3	1.12	9.525	4.4									
	6001	1.0-2.0	28-14	0.1	1.1	1.62											
	6002	1.5-2.5	16-10	0.2	1.1	1.62											
	6003	2.5	11-10	0.3	1.1	1.62											

用途 Application	规格型号 Specification	螺距 Pitch of Screw		尺寸 Dimension (mm)				PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP150	ZP680	ZM856	ZM860
		(mm)	(tpi)	r _c	S1	S2	A										
螺纹加工 Thread processing	TTX32L 6000	0.5-1.0	56-32	0.00	0.6	1.12											
	6000S	0.5-1.0	56-32	0.00	0.3	1.12											
	60005	0.5-1.0	48-32	0.05	0.6	1.12											
	60005S	0.5-1.0	48-32	0.05	0.3	1.12	9.525	4.4									
	6001	1.0-2.0	28-14	0.1	1.1	1.62											
	6002	1.5-2.5	16-10	0.2	1.1	1.62											
	6003	2.5	11-10	0.3	1.1	1.62											

VER..

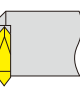
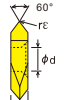
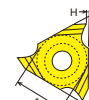
外圆车刀: B119
(External Toolholder)



SVER..

VNR..

内孔车刀: B120
(Internal Toolholder)



SVNR..

用途 Application	规格型号 Specification	螺距 Pitch		尺寸 Dimension (mm)				PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP150	ZP680	ZM856	ZM860
		(mm)	H	r _c	L	T	A										
外螺纹加工 External thread processing	[VER]																
	16VER AG60	0.5-3.0	-	0.07													
	100ISO	1.0	0.7	0.07													
	150ISO	1.5	1.0	0.11													
	200ISO	2.0	1.3	0.14	16	3.65	9.525	4.0									
	250ISO	2.5	1.5	0.18													
	300ISO	3.0	1.6	0.22													
	22VER 400ISO	4.0	2.0	0.29													
	500ISO	5.0	2.4	0.36	22	4.9	12.7	5.1									
	600ISO	6.0	2.7	0.43													
27VER V60	6.0-9.0	-	0.87														
800ISO	8.0	-	-	27	8.7	15.87	6.35										
10.0ISO	10.0	-	-														

用途 Application	规格型号 Specification	螺距 Pitch		尺寸 Dimension (mm)				PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP150	ZP680	ZM856	ZM860
		(mm)	H	r _c	L	T	A										
内螺纹加工 Internal thread processing	[VNR]																
	16VNR AG60	0.5-3.0	-	0.07													
	100ISO	1.0	0.7	0.07													
	150ISO	1.5	1.0	0.08													
	200ISO	2.0	1.3	0.12	16	3.65	9.525	4.0									
	250ISO	2.5	1.5	0.15													
	300ISO	3.0	1.6	0.18													
	22VNR 400ISO	4.0	2.0	0.25													
	500ISO	5.0	2.4	0.32	22	4.9	12.7	5.1									
	600ISO	6.0	2.7	0.39													
27VNR V60	6.0-9.0	-	0.43														
800ISO	8.0	-	-	27	8.7	15.87	6.35										
10.0ISO	10.0	-	-														

TKFT..R..

外圆车刀 (External Toolholder): AB118

刀具安装样式 Tool installation style



Fig.1 TKFT12R..

Fig.2 TKFT16R..

KTKFR..

KTKFSL..

TKFT..L..

外圆车刀 (External Toolholder): AB118

刀具安装样式 Tool installation style



Fig.1 TKFT12L..

Fig.2 TKFT16L..

KTKFL..

KTKFSR..

用途 Application	规格型号 Specification	螺距 Pitch of Screw		尺寸 Dimension (mm)				PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP150	ZP680	ZM856	ZM860
		(mm)	(tpi)	r _c	S1	S2	a										
螺纹加工 Thread processing	TKFT12R	A6000	0.2-0.6	64-48	<0.05	0.4	2.1										
	B6000	0.2-0.6	64-48	<0.05	2.1	0.4											
	A60005	0.5-1.25	48-24	0.05	0.8	1.7	60°	1									
	B60005	0.5-1.25	48-24	0.05	1.7	0.8											
	N6001	1.0-1.50	24-18	0.1	1.25	1.25											
	TKFT16R	A6000	0.2-0.6	64-48	<0.05	0.4	2.1										
	B6000	0.2-0.6	64-48	<0.05	2.1	0.4											
	A60005	0.5-1.25	48-24	0.05	0.8	1.7	60°	2									
	B60005	0.5-1.25	48-24	0.05	1.7	0.8											
	N6001	1.0-1.50	24-18	0.1	1.25	1.25											

用途 Application	规格型号 Specification	螺距 Pitch of Screw		尺寸 Dimension (mm)				PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP150	ZP680	ZM856	ZM860
		(mm)	(tpi)	r _c	S1	S2	a										
螺纹加工 Thread processing	TKFT12L	A6000	0.2-0.6	64-48	<0.05	2.1	0.4										
	B6000	0.2-0.6	64-48	<0.05	0.4	2.1											
	A60005	0.5-1.25	48-24	0.05	1.7	0.8	60°	1									
	B60005	0.5-1.25	48-24	0.05	0.8	1.7											
	N6001	1.0-1.50	24-18	0.1	1.25	1.25											
	TKFT16L	A6000	0.2-0.6	64-48	<0.05	2.1	0.4										
	B6000	0.2-0.6	64-48	<0.05	0.4	2.1											
	A60005	0.5-1.25	48-24	0.05	1.7	0.8	60°	2									
	B60005	0.5-1.25	48-24	0.05	0.8	1.7											
	N6001	1.0-1.50	24-18	0.1	1.25	1.25											

TTP..FR..

外圆车刀 (External Toolholder): AB13/AB49

刀具安装样式 Tool installation style



Fig.1 TTP..

Fig.2 TTPA..

TTPR..

TTPSL..

TTP..FL..

外圆车刀 (External Toolholder): AB13/AB49

刀具安装样式 Tool installation style



数控
刀片

CN
DN
RN
KN
175
SN
TN
VN
WN

CC
DC
RC
SC
WB
TB
TC
TP
VB
VC

三角
浅槽
TGF
GBA
T.N/E

小
零件
CTP
TKF

切槽
切断
MG.
MR.
SP.
GMM
TDC

后
车削
ABS
TBP
TKFB

内孔
切槽

GER
GR

螺纹
车削
刀片

铣削
刀片

55°全牙型

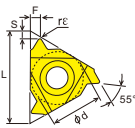
英制/惠氏

BSW,BSF,BSP,BSS

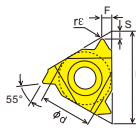
W

螺纹应用领域：工业机械用管螺纹

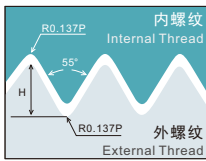
Thread Application: Pipe thread for industrial machinery



ER 型



EL 型



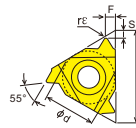
内螺纹
Internal Thread
外螺纹
External Thread

外圆车刀(External Toolholder): B115

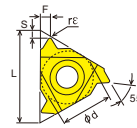
用途 Application	规格型号 Specification		螺距 Pitch of Screw		尺寸 Dimension (mm)					PCD CBN-K CBN-S ZN60 ZN60 ZK01 ZK01 ZM826 ZM826 ZP150 ZP150 ZM860 ZM860 ZM860
	[ER]	[EL]	(mm)	(tpi)	φd	L	re	S	F	
外螺纹加工 External thread processing	11ER A55 (ERM) AG55	11EL A55 AG55	0.5-1.5 0.5-2.5	48-16 48-10	6.35	11	0.05	0.8	0.9	●●●●●●●●●●
	16ER A55 (ERM) G55 AG55	16EL A55 G55 AG55	0.5-1.5 1.75-3.0 0.5-3.0	48-16 14-8 48-8	9.525	16	0.05	0.8	0.9	●●●●●●●●●●
	22ER N55 (ERM)	22EL N55	3.5-5.0	7-5	12.7	22	0.43	1.7	2.5	●●●●●●●●●●
	27ER Q55	27EL Q55	5.5-6.0	4.5-4	15.875	27	0.60	2.0	2.9	●●●●●●●●●●

用途 Application	规格型号 Specification		切深 Depth Hmin	螺距 Pitch (tpi)	尺寸 Dimension (mm)					PCD CBN-K CBN-S ZN60 ZN60 ZK01 ZK01 ZM826 ZM826 ZP150 ZP150 ZM860 ZM860 ZM860
	[ER]	[EL]			φd	L	re	S	F	
外螺纹加工 External thread processing	11ER 72 W (ERM) 60 W 56 W 48 W 40 W 36 W 32 W 28 W 26 W 24 W 22 W 20 W 19 W 18 W 16 W 14 W	11EL 72 W 60 W 56 W 48 W 40 W 36 W 32 W 28 W 26 W 24 W 22 W 20 W 19 W 18 W 16 W 14 W	0.23 0.27 0.29 0.34 0.41 0.45 0.51 0.58 0.63 0.68 0.74 0.81 0.86 0.90 1.02 1.16	72 60 56 48 40 36 32 28 26 24 22 20 19 18 16 14	6.35	11	0.02 0.02 0.02 0.04 0.06 0.07 0.09 0.09 0.10 0.11 0.13 0.14 0.15 0.16 0.18 0.21	0.7 0.7 0.7 0.6 0.6 0.6 0.6 0.6 0.8 0.8 0.8 0.9 0.8 1.0 1.1 1.2	0.4 0.4 0.4 0.4 0.6 0.6 0.6 0.6 0.8 0.8 0.9 0.9 1.0 1.0 1.1 1.2	●●●●●●●●●●
	16ER 72 W (ERM) 60 W 56 W 48 W 40 W 36 W 32 W 30 W 28 W 26 W 24 W 22 W 20 W 19 W 18 W 16 W 14 W	16EL 72 W 60 W 56 W 48 W 40 W 36 W 32 W 30 W 28 W 26 W 24 W 22 W 20 W 19 W 18 W 16 W 14 W	0.23 0.27 0.29 0.34 0.41 0.45 0.51 0.55 0.58 0.63 0.68 0.74 0.81 0.86 0.90 1.02 1.16	72 60 56 48 40 36 32 30 28 26 24 22 20 19 18 16 14	9.525	16	0.02 0.02 0.02 0.04 0.06 0.07 0.09 0.09 0.10 0.11 0.13 0.14 0.15 0.16 0.18 0.21	0.7 0.7 0.7 0.6 0.6 0.6 0.6 0.6 0.8 0.8 0.9 0.9 1.0 1.0 1.1 1.2	●●●●●●●●●●	
	22ER 07 W (ERM) 06 W 05 W	22EL 07 W 06 W 05 W	2.32 2.71 3.25	7 6 5	12.7	22	0.45 0.52 0.65	1.6 1.6 1.7	2.3 2.3 2.4	●●●●●●●●●●
	27ER 4.5 W (ERM) 4 W	27EL 4.5 W 4 W	3.25 3.61	4.5 4	15.875	27	0.73 0.82	1.8 2.0	2.6 2.9	●●●●●●●●●●

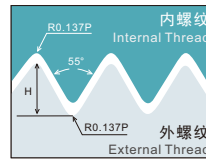
Material	切削形态: Cutting Environment	稳定切削 Stable Cutting	一般切削 General Cutting	不稳定切削 Unstable Cutting	PCD CBN-K CBN-S ZN60 ZN60 ZK01 ZK01 ZM826 ZM826 ZP150 ZP150 ZM860 ZM860 ZM860
P	钢 Steel	●	●	●	●●●●●●●●
M	不锈钢 Stainless Steel	●	●	●	●●●●●●●●
K	铸铁 Iron	●	●	●	●●●●●●●●
N	铝/铜/镁/锌/塑料/木材 Aluminum/Copper/Magnesium/Zinc/Plastic/Wood	●	●	●	●●●●●●●●
S	硬质合金/粉末冶金 Carbide/Powder Metallurgy	●	●	●	●●●●●●●●
H	钛/高温合金/碳纤维 Titanium/Superalloy/Carbon Fiber	●	●	●	●●●●●●●●



IR 型



IL 型



内螺纹
Internal Thread
外螺纹
External Thread

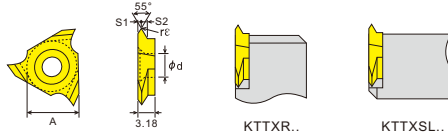
内孔车刀 (Internal Toolholder): B121-B122

用途 Application	规格型号 Specification		螺距 Pitch (tpi)	切深 Depth Hmin	尺寸 Dimension (mm)					PCD CBN-K CBN-S ZN60 ZN60 ZK01 ZK01 ZM826 ZM826 ZP150 ZP150 ZM860 ZM860 ZM860
	[IR]	[IL]			φd	L	re	S	F	
内螺纹加工 Internal thread processing	06IR A55	06IL A55	0.5-1.25	48-20	3.97	6	0.05	0.6	0.6	●●●●●●●●●●
	08IR A55	08IL A55	0.5-1.5	48-16	4.76	8	0.05	0.6	0.7	●●●●●●●●●●
	11IR (IRM) A55 AG55	11IL A55 AG55	0.5-1.5 0.5-2.5	48-16 48-10	6.35	11	0.05 0.05	0.8 0.9	1.2	●●●●●●●●●●
	16IR (IRM) A55 G55 AG55	16IL A55 G55 AG55	0.5-1.5 1.75-3.0 0.5-3.0	48-16 14-8 48-8	9.525	16	0.05 0.21 0.07	0.8 1.2 1.7	0.9	●●●●●●●●●●
22IR (IRM) N55	22IL N55	3.5-5.0	7-5	12.7	22	0.43	1.7	2.5	●●●●●●●●●●	
27IR Q55	27IL Q55	5.5-6.0	4.5-4	15.875	27	0.60	2.0	2.9	●●●●●●●●●●	
内螺纹加工 Internal thread processing	06IR 26 W 22 W 20 W 18 W	06IL 26 W 22 W 20 W 18 W	0.63 0.74 0.81 0.90	26 22 20 18	3.97	6	0.10 0.13 0.14 0.16	0.7 0.6 0.6 0.7	0.6	●●●●●●●●●●
	08IR 28 W 24 W 20 W 19 W 18 W 16 W	08IL 28 W 24 W 20 W 19 W 18 W 16 W	0.58 0.68 0.81 0.86 0.90 1.02	28 24 20 19 18 16	4.76	8	0.09 0.11 0.14 0.15 0.16 0.18	0.6 0.6 0.7 0.7 0.7 0.7	0.6	●●●●●●●●●●
	11IR (IRM) 72 W 60 W 56 W 48 W 40 W 36 W 32 W 28 W 26 W 24 W 22 W 20 W 19 W 18 W 16 W 14 W 12 W	11IL 72 W 60 W 56 W 48 W 40 W 36 W 32 W 28 W 26 W 24 W 22 W 20 W 19 W 18 W 16 W 14 W 12 W	0.23 0.27 0.29 0.34 0.41 0.45 0.51 0.58 0.63 0.68 0.74 0.81 0.86 0.90 1.02 1.16 1.32	72 60 56 48 40 36 32 28 26 24 22 20 19 18 16 14 12	6.35	11	0.02 0.02 0.02 0.04 0.06 0.07 0.09 0.09 0.10 0.11 0.13 0.14 0.15 0.16 0.18 0.21	0.7 0.7 0.7 0.6 0.6 0.6 0.6 0.6 0.8 0.8 0.9 0.9 1.0 1.0 1.1 1.2	0.4 0.4 0.4 0.4 0.6 0.6 0.6 0.6 0.8 0.8 0.9 0.9 1.0 1.0 1.1 1.2	●●●●●●●●●●
	16IR (IRM) 72 W 60 W 56 W 48 W 40 W 36 W 32 W 30 W 28 W 26 W 24 W 22 W 20 W 19 W 18 W 16 W 14 W 12 W	16IL 72 W 60 W 56 W 48 W 40 W 36 W 32 W 30 W 28 W 26 W 24 W 22 W 20 W 19 W 18 W 16 W 14 W 12 W	0.23 0.27 0.29 0.34 0.41 0.45 0.51 0.55 0.58 0.63 0.68 0.74 0.81 0.86 0.90 1.02 1.16 1.32	72 60 56 48 40 36 32 30 28 26 24 22 20 19 18 16 14 12	9.525	16	0.02 0.02 0.02 0.04 0.06 0.07 0.09 0.09 0.10 0.11 0.13 0.14 0.15 0.16 0.18 0.21	0.7 0.7 0.7 0.6 0.6 0.6 0.6 0.6 0.8 0.8 0.9 0.9 1.0 1.0 1.1 1.2	0.4 0.4 0.4 0.4 0.6 0.6 0.6 0.6 0.8 0.8 0.9 0.9 1.0 1.0 1.1 1.2	●●●●●●●●●●
	22IR 07 W (IRM) 06 W 05 W	22IL 07 W 06 W 05 W	2.32 2.71 3.25	7 6 5	12.7	22	0.45 0.52 0.65	1.6 1.6 1.7	2.3 2.3 2.4	●●●●●●●●●●
	27IR 4.5 W (IRM) 4 W	27IL 4.5 W 4 W	3.25 3.61	4.5 4	15.875	27	0.73 0.82	1.8 2.0	2.6 2.9	●●●●●●●●●●

TTX32R

刀具安装样式
Tool installation style

外圆车刀: AB13/B117
(External Toolholder)
内孔车刀: B120
(Internal Toolholder)

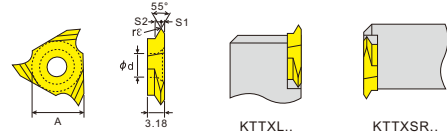


用途 Application	规格型号 Specification	螺距 Pitch of Screw		尺寸 Dimension (mm)						PCD CBN-K CBN-S ZN60 ZK01 ZM826 ZP150 ZP680 ZM856 ZM860	
		(mm)	(tpi)	rE	S1	S2	A	φd			
螺纹加工 Thread processing	TTX32R 5501 5502	-	28-10	0.1	1.1	0.5	9.525	4.4	•	•	•
		-	14-10	0.2	1.1	0.5			•	•	•

TTX32L

刀具安装样式
Tool installation style

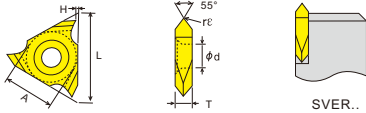
外圆车刀: AB13/B117
(External Toolholder)
内孔车刀: B120
(Internal Toolholder)



用途 Application	规格型号 Specification	螺距 Pitch of Screw		尺寸 Dimension (mm)						PCD CBN-K CBN-S ZN60 ZK01 ZM826 ZP150 ZP680 ZM856 ZM860	
		(mm)	(tpi)	rE	S1	S2	A	φd			
螺纹加工 Thread processing	TTX32L 5501 5502	-	28-10	0.1	1.1	0.5	9.525	4.4	•	•	•
		-	14-10	0.2	1.1	0.5			•	•	•

VER..

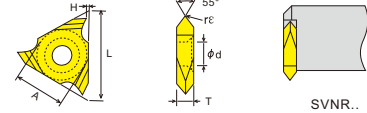
外圆车刀: B119
(External Toolholder)



用途 Application	规格型号 Specification	螺距 Pitch	尺寸 Dimension (mm)						PCD CBN-K CBN-S ZN60 ZK01 ZM826 ZP150 ZP680 ZM856 ZM860	
			(tpi)	H	rE	L	T	A		φd
外螺纹加工 External thread processing	[VER]									
	16VER AG55	48-8	-	0.07	16	3.65	9.525	4.0	•	•
外螺纹加工 External thread processing	27VER V55 4W 3W 2.5W	4-2.5	-	0.88					•	•
		4			27	8.7	15.87	6.35	•	•
		3							•	•
		2.5							•	•

VNR..

内孔车刀: B120
(Internal Toolholder)

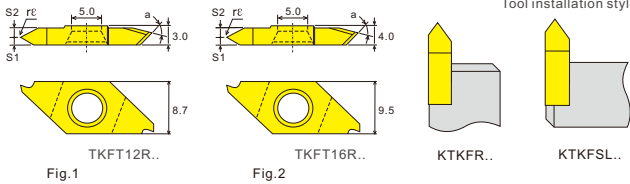


用途 Application	规格型号 Specification	螺距 Pitch	尺寸 Dimension (mm)						PCD CBN-K CBN-S ZN60 ZK01 ZM826 ZP150 ZP680 ZM856 ZM860	
			(tpi)	H	rE	L	T	A		φd
内螺纹加工 Internal thread processing	[VNR]									
	16VNR AG55	48-8	-	0.06	16	3.65	9.525	4.0	•	•
内螺纹加工 Internal thread processing	27VNR V55 4W 3W 2.5W	4-2.5	-	0.89					•	•
		4			27	8.7	15.87	6.35	•	•
		3							•	•
		2.5							•	•

TKFT..R..

外圆车刀 (External Toolholder) : AB118

刀具安装样式
Tool installation style

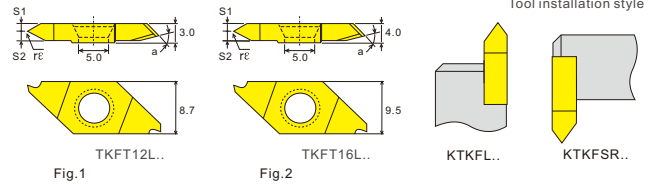


用途 Application	规格型号 Specification	螺距 Pitch of Screw		尺寸 Dimension (mm)						PCD CBN-K CBN-S ZN60 ZK01 ZM826 ZP150 ZP680 ZM856 ZM860	
		(mm)	(tpi)	rE	S1	S2	a	Fig			
螺纹加工 Thread processing	TKFT12R A55005 B55005	-	40-16	0.05	0.8	1.7	55°	1	•	•	•
		-	40-16	0.05	1.7	0.8			•	•	•
螺纹加工 Thread processing	TKFT16R A55005 B55005	-	40-16	0.05	0.8	1.7	55°	2	•	•	•
		-	40-16	0.05	1.7	0.8			•	•	•

TKFT..L..

外圆车刀 (External Toolholder) : AB118

刀具安装样式
Tool installation style

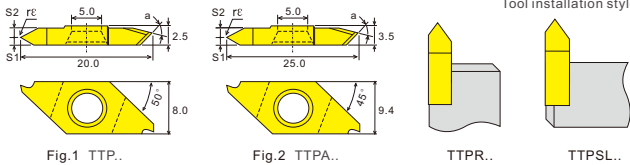


用途 Application	规格型号 Specification	螺距 Pitch of Screw		尺寸 Dimension (mm)						PCD CBN-K CBN-S ZN60 ZK01 ZM826 ZP150 ZP680 ZM856 ZM860	
		(mm)	(tpi)	rE	S1	S2	a	Fig			
螺纹加工 Thread processing	TKFT12L A55005 B55005	-	40-16	0.05	1.7	0.8	55°	1	•	•	•
		-	40-16	0.05	0.8	1.7			•	•	•
螺纹加工 Thread processing	TKFT16L A55005 B55005	-	40-16	0.05	1.7	0.8	55°	2	•	•	•
		-	40-16	0.05	0.8	1.7			•	•	•

TTP..FR..

外圆车刀 (External Toolholder) : AB13/AB49

刀具安装样式
Tool installation style

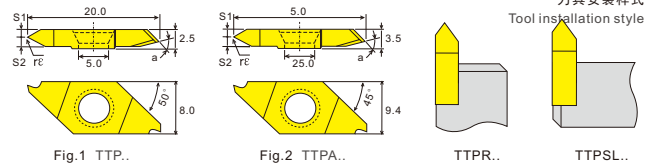


用途 Application	规格型号 Specification	螺距 Pitch of Screw		尺寸 Dimension (mm)						PCD CBN-K CBN-S ZN60 ZK01 ZM826 ZP150 ZP680 ZM856 ZM860	
		(mm)	(tpi)	rE	S1	S2	a	Fig			
螺纹加工 Thread processing	TTP55 FR8A FR8B	-	48-16	0.05	0.8	1.7	55°	1	•	•	•
		-	48-16	0.05	1.7	0.8			•	•	•
螺纹加工 Thread processing	TTPA55 FR8A FR8B	-	48-16	0.05	0.8	1.7	55°	2	•	•	•
		-	48-16	0.05	1.7	0.8			•	•	•

TTP..FL..

外圆车刀 (External Toolholder) : AB13/AB49

刀具安装样式
Tool installation style



用途 Application	规格型号 Specification	螺距 Pitch of Screw		尺寸 Dimension (mm)						PCD CBN-K CBN-S ZN60 ZK01 ZM826 ZP150 ZP680 ZM856 ZM860	
		(mm)	(tpi)	rE	S1	S2	a	Fig			
螺纹加工 Thread processing	TTP55 FL8A FL8B	-	48-16	0.05	1.7	0.8	55°	1	•	•	•
		-	48-16	0.05	0.8	1.7			•	•	•
螺纹加工 Thread processing	TTPA55 FL8A FL8B	-	48-16	0.05	1.7	0.8	55°	2	•	•	•
		-	48-16	0.05	0.8	1.7			•	•	•

数控
刀片

CN
DN
RN
KN
175
SN
TN
VN
WN

CC
DC
RC
SC
WB
TB
TC
TP
VB
VC

三角
浅槽
TGF
GBA
T.N/E

小
零件
CTP
TKF

切槽
切断
MG.
MR.
SP.
GMM
TDC

后
车削
ABS
TBP
TKFB

内孔
切槽

GER
GR

螺纹
车削
刀片

铣削
刀片

60°全牙型

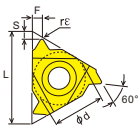
UN

美制

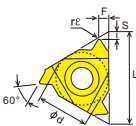
UNC, UNF, UNEF, UNS

螺纹应用领域：一般工业

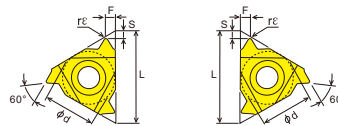
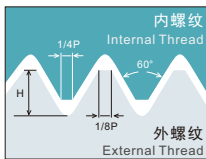
Thread Application: General Industry



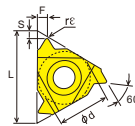
ER 型



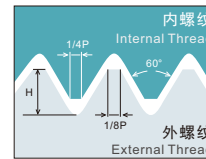
EL 型



IR 型



IL 型



内螺纹
External Thread

👉 外圆车刀(External Toolholder) : B115

👉 内孔车刀 (Internal Toolholder) : B121-B122

用途 Application	规格型号 Specification		切深 Depth	螺距 Pitch	尺寸 Dimension (mm)					PCD	CBN-K	CBN-S	ZK01	ZK02	ZM826	ZP150	ZP150	ZM856	ZM860							
	[ER]	[EL]			Hmin	(tpi)	φd	L	rE											S	F					
外螺纹加工 External thread processing	11ER 72 UN (ERM) 64 UN 56 UN 48 UN 44 UN 40 UN 36 UN 32 UN 28 UN 27 UN 24 UN 20 UN 18 UN 16 UN 14 UN	11EL 72 UN 64 UN 56 UN 48 UN 44 UN 40 UN 36 UN 32 UN 28 UN 27 UN 24 UN 20 UN 18 UN 16 UN 14 UN	0.22 0.24 0.28 0.32 0.35 0.39 0.43 0.49 0.56 0.58 0.65 0.78 0.87 0.97 1.11	72 64 56 48 44 40 36 32 28 27 24 20 18 16 14	6.35	11	0.02 0.02 0.04 0.05 0.05 0.06 0.07 0.09 0.10 0.10 0.12 0.15 0.17 0.18 0.22	0.8 0.8 0.7 0.6 0.6 0.6 0.6 0.6 0.7 0.8 0.7 0.8 0.9 1.0 0.9 1.1	0.4 0.4 0.4 0.6 0.6 0.6 0.6 0.6 0.7 0.8 0.8 0.9 1.0 1.1	•	•	•	•	•	•	•	•	•	•							
	16ER 72 UN (ERM) 64 UN 56 UN 48 UN 44 UN 40 UN 36 UN 32 UN 28 UN 27 UN 24 UN 20 UN 18 UN 16 UN 14 UN 11.5 UN 11 UN 10 UN 09 UN 08 UN	16EL 72 UN 64 UN 56 UN 48 UN 44 UN 40 UN 36 UN 32 UN 28 UN 27 UN 24 UN 20 UN 18 UN 16 UN 14 UN 11.5 UN 11 UN 10 UN 09 UN 08 UN	0.22 0.24 0.28 0.32 0.35 0.39 0.43 0.49 0.56 0.58 0.65 0.78 0.87 0.97 1.11 1.35 1.42 1.56 1.73 1.95	72 64 56 48 44 40 36 32 28 27 24 20 18 16 14 11.5 11 10 9 8			9.525	16	0.02 0.02 0.04 0.05 0.05 0.06 0.07 0.09 0.10 0.10 0.12 0.15 0.18 0.18 0.22 0.24 0.26 0.27 0.28 0.32 0.36 0.41	0.8 0.8 0.7 0.6 0.6 0.6 0.6 0.6 0.7 0.8 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.5 1.6 1.2 1.6 1.7	0.4 0.4 0.4 0.6 0.6 0.6 0.6 0.6 0.7 0.8 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.5 1.6 1.2 1.6 1.7	•	•	•	•	•	•	•	•	•						
	22ER 07 UN (ERM) 06 UN 05 UN	22EL 07 UN 06 UN 05 UN	2.22 2.60 3.12	7 6 5					12.7	22	0.47 0.56 0.67	1.6 1.6 1.7	2.3 2.3 2.5	•	•	•	•	•	•	•	•	•	•	•		
	27ER 4.5 UN (ERM) 4 UN	27EL 4.5 UN 4 UN	3.46 3.89	4.5 4							15.875	27	0.75 0.85	1.9 2.1	2.7 3.0	•	•	•	•	•	•	•	•	•	•	•

用途 Application	规格型号 Specification		切深 Depth	螺距 Pitch	尺寸 Dimension (mm)					PCD	CBN-K	CBN-S	ZK01	ZK02	ZM826	ZP150	ZP150	ZM856	ZM860											
	[IR]	[IL]			Hmin	(tpi)	φd	L	rE											S	F									
内螺纹加工 Internal thread processing	06IR 32 UN 28 UN 24 UN 20 UN 18 UN	06IL 32 UN 28 UN 24 UN 20 UN 18 UN	0.46 0.52 0.61 0.73 0.81	32 28 24 20 18	3.97	6	0.04 0.05 0.06 0.06 0.07	0.5 0.5 0.6 0.6 1.6	0.5	•	•	•	•	•	•	•	•	•	•	•										
	08IR 32 UN 28 UN 24 UN 20 UN 18 UN 16 UN 14 UN	08IL 32 UN 28 UN 24 UN 20 UN 18 UN 16 UN 14 UN	0.46 0.52 0.61 0.73 0.81 0.92 1.05	32 28 24 20 18 16 14			4.76	8	0.04 0.05 0.06 0.07 0.09 0.10	0.6 0.6 0.7 0.7 0.8 0.7 0.8	0.5 0.6 0.6 0.7 1.0 1.1	•	•	•	•	•	•	•	•	•	•	•								
	11IR 72 UN (IRM) 64 UN 56 UN 48 UN 44 UN 40 UN 36 UN 32 UN 28 UN 27 UN 24 UN 20 UN 18 UN 16 UN 14 UN 12 UN 11 UN	11IL 72 UN 64 UN 56 UN 48 UN 44 UN 40 UN 36 UN 32 UN 28 UN 27 UN 24 UN 20 UN 18 UN 16 UN 14 UN 12 UN 11 UN	0.20 0.23 0.26 0.31 0.33 0.37 0.41 0.46 0.52 0.54 0.61 0.73 0.81 0.92 1.05 1.22 1.33	72 64 56 48 44 40 36 32 28 27 24 20 18 16 14 12 11					6.35	11	0.02 0.02 0.02 0.03 0.03 0.03 0.04 0.04 0.04 0.05 0.06 0.06 0.07 0.09 0.10 0.12 0.14	0.8 0.8 0.7 0.6 0.6 0.6 0.6 0.6 0.7 0.8 0.8 0.9 1.0 1.1 1.1 1.1	0.3 0.4 0.4 0.6 0.6 0.6 0.6 0.7 0.8 0.8 0.9 1.0 1.1 1.1	•	•	•	•	•	•	•	•	•								
	16IR 72 UN (IRM) 64 UN 56 UN 48 UN 44 UN 40 UN 36 UN 32 UN 28 UN 27 UN 24 UN 20 UN 18 UN 16 UN 14 UN 13 UN 12 UN 11.5 UN 11 UN 10 UN 09 UN 08 UN	16IL 72 UN 64 UN 56 UN 48 UN 44 UN 40 UN 36 UN 32 UN 28 UN 27 UN 24 UN 20 UN 18 UN 16 UN 14 UN 13 UN 12 UN 11.5 UN 11 UN 10 UN 09 UN 08 UN	0.20 0.23 0.26 0.31 0.33 0.37 0.41 0.46 0.52 0.54 0.61 0.73 0.81 0.92 1.05 1.13 1.22 1.28 1.33 1.47 1.63 1.83	72 64 56 48 44 40 36 32 28 27 24 20 18 16 14 13 12 11.5 11 10 9 8							9.525	16	0.02 0.02 0.02 0.03 0.03 0.03 0.04 0.04 0.04 0.05 0.06 0.07 0.09 0.10 0.11 0.12 0.13 0.14 0.15 0.17 0.19	0.8 0.8 0.7 0.6 0.6 0.6 0.6 0.7 0.8 0.8 0.9 1.0 1.1 1.1 1.2 1.3 1.4 1.5 1.5 1.6 1.2	0.3 0.4 0.4 0.6 0.6 0.6 0.6 0.7 0.8 0.8 0.9 1.0 1.1 1.1 1.2 1.3 1.4 1.5 1.5 1.6 1.7	•	•	•	•	•	•	•	•							
	22IR 07 UN (IRM) 06 UN 05 UN	22IL 07 UN 06 UN 05 UN	2.09 2.44 2.93	7 6 5									12.7	22	0.22 0.26 0.32	1.6 1.6 1.7	2.3 2.3 2.3	•	•	•	•	•	•	•	•	•	•	•		
	27IR 4.5 UN (IRM) 4 UN	27IL 4.5 UN 4 UN	3.26 3.67	4.5 4											15.875	27	0.36 0.41	1.9 2.1	2.4 2.7	•	•	•	•	•	•	•	•	•	•	•

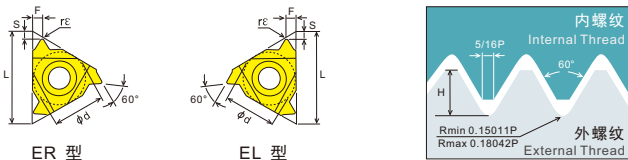
Material 材质	切削形态 Cutting Environment	● 稳定切削 Stable Cutting	● 一般切削 General Cutting	● 不稳定切削 Unstable Cutting	PCD	CBN-K	CBN-S	ZK01	ZK02	ZM826	ZP150	ZP150	ZM856	ZM860
P 钢 Steel	●	●	●	●	●	●	●	●	●	●	●	●	●	●
M 不锈钢 Stainless Steel	●	●	●	●	●	●	●	●	●	●	●	●	●	●
K 铸铁 Iron	●	●	●	●	●	●	●	●	●	●	●	●	●	●
N 铝/铜/镁/锌/塑料/木材 Aluminum/Copper/Magnesium/Zinc/Plastic/Wood	●	●	●	●	●	●	●	●	●	●	●	●	●	●
S 硬质合金/粉末冶金 Carbide/Powder Metallurgy	●	●	●	●	●	●	●	●	●	●	●	●	●	●
H 钛/高温合金/碳纤维 Titanium/Superalloy/Carbon Fiber	●	●	●	●	●	●	●	●	●	●	●	●	●	●

美制/航空 螺纹车刀片

UN,UNJ,PG Thread Turning Insert

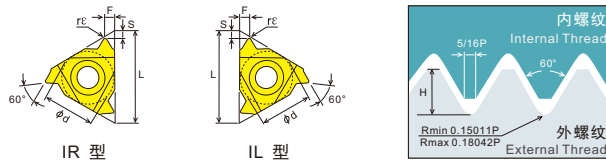
UNJ 60°牙型
航空
工业螺纹

螺纹应用领域：航空工业用螺纹
Thread Application: Threads for aviation industry



外圆车刀(External Toolholder): B115

Material	切削形态:		Cutting Environment		PCD	CBN-K	CBN-S	ZN60	ZN62	ZK01	ZM826	ZP150	ZP680	ZM856	ZM860
	● 稳定切削	● 一般切削	☺ 一般切削(第二推荐)	✘ 不稳定切削											
P	钢	Steel	☺	☺				●	●	●	●	●	●	●	●
M	不锈钢	Stainless Steel	☺	☺				●	●	●	●	●	●	●	●
K	铸铁	Iron	☺	☺				●	●	●	●	●	●	●	●
N	铝/铜/镁/锌/塑料/木材	Aluminum/Copper/Magnesium/Zinc/Plastic/Wood	☺	☺				●	●	●	●	●	●	●	●
S	硬质合金/粉末冶金	Carbide/Powder Metallurgy	☺	☺				●	●	●	●	●	●	●	●
H	钛/高温合金/碳纤维	Titanium/Superalloy/Carbon Fiber	☺	☺				●	●	●	●	●	●	●	●



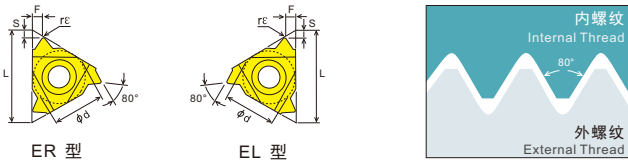
内孔车刀 (Internal Toolholder): B121-B122

用途 Application	规格型号 Specification		切深 Depth	螺距 Pitch	尺寸 Dimension (mm)					PCD	CBN-K	CBN-S	ZN60	ZN62	ZK01	ZM826	ZP150	ZP680	ZM856	ZM860																																																												
	[ER]	[EL]			φd	L	rε	S	F																																																																							
	Hmin	(tpi)																																																																														
外螺纹加工 External thread processing	11ER 48 UNJ 44 UNJ 40 UNJ 36 UNJ 32 UNJ 28 UNJ 24 UNJ 20 UNJ 18 UNJ 16 UNJ 14 UNJ	11EL 48 UNJ 44 UNJ 40 UNJ 36 UNJ 32 UNJ 28 UNJ 24 UNJ 20 UNJ 18 UNJ 16 UNJ 14 UNJ	0.31	48	6.35	11	0.08	0.6	0.5	●	●	●	●	●	●	●	●	●	●	●																																																												
																					16ER 48 UNJ 44 UNJ 40 UNJ 36 UNJ 32 UNJ 28 UNJ 24 UNJ 20 UNJ 18 UNJ 16 UNJ 14 UNJ 13 UNJ 12 UNJ 11 UNJ 10 UNJ 09 UNJ 08 UNJ	16EL 48 UNJ 44 UNJ 40 UNJ 36 UNJ 32 UNJ 28 UNJ 24 UNJ 20 UNJ 18 UNJ 16 UNJ 14 UNJ 13 UNJ 12 UNJ 11 UNJ 10 UNJ 09 UNJ 08 UNJ	0.31	48	9.525	16	0.08	0.6	0.5	●	●	●	●	●	●	●	●	●	●	●	●																																							
																																										22ER 07 UNJ 06 UNJ 05 UNJ	22EL 07 UNJ 06 UNJ 05 UNJ	2.09	7	12.7	22	0.57	1.7	2.3	●	●	●	●	●	●	●	●	●	●	●																			
																																																														27ER 4.5 UNJ 4 UNJ	27EL 4.5 UNJ 4 UNJ	3.26	4.5	15.87	27	0.85	2.0	2.7	●	●	●	●	●	●	●	●	●	●

用途 Application	规格型号 Specification		切深 Depth	螺距 Pitch	尺寸 Dimension (mm)					PCD	CBN-K	CBN-S	ZN60	ZN62	ZK01	ZM826	ZP150	ZP680	ZM856	ZM860																																																									
	[IR]	[IL]			φd	L	rε	S	F																																																																				
	Hmin	(tpi)																																																																											
内螺纹加工 Internal thread processing	11IR 48 UNJ 44 UNJ 40 UNJ 36 UNJ 32 UNJ 28 UNJ 24 UNJ 20 UNJ 18 UNJ 16 UNJ 14 UNJ	11IL 48 UNJ 44 UNJ 40 UNJ 36 UNJ 32 UNJ 28 UNJ 24 UNJ 20 UNJ 18 UNJ 16 UNJ 14 UNJ	0.28	48	6.35	11	0.03	0.6	0.5	●	●	●	●	●	●	●	●	●	●	●																																																									
																					16IR 48 UNJ 44 UNJ 40 UNJ 36 UNJ 32 UNJ 28 UNJ 24 UNJ 20 UNJ 18 UNJ 16 UNJ 14 UNJ 13 UNJ 12 UNJ 11 UNJ 10 UNJ 09 UNJ 08 UNJ	16IL 48 UNJ 44 UNJ 40 UNJ 36 UNJ 32 UNJ 28 UNJ 24 UNJ 20 UNJ 18 UNJ 16 UNJ 14 UNJ 13 UNJ 12 UNJ 11 UNJ 10 UNJ 09 UNJ 08 UNJ	0.28	48	9.525	16	0.03	0.6	0.5	●	●	●	●	●	●	●	●	●	●	●																																					
																																									22IR 07 UNJ 06 UNJ 05 UNJ	22IL 07 UNJ 06 UNJ 05 UNJ	1.90	7	12.7	22	0.22	1.7	2.3	●	●	●	●	●	●	●	●	●	●																		
																																																												27IR 4.5 UNJ 4 UNJ	27IL 4.5 UNJ 4 UNJ	2.95	4.5	15.87	27	0.36	2.0	2.7	●	●	●	●	●	●	●	●	●

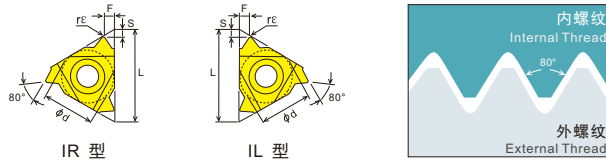
PG 80°全牙型
DIN40430
钢导管螺纹

螺纹应用领域：钢导管螺纹
Thread Application: Conduit thread



外圆车刀 (External Toolholder): B115

Material	切削形态:		Cutting Environment		PCD	CBN-K	CBN-S	ZN60	ZN62	ZK01	ZM826	ZP150	ZP680	ZM856	ZM860
	● 稳定切削	● 一般切削	☺ 一般切削(第二推荐)	✘ 不稳定切削											
P	钢	Steel	☺	☺				●	●	●	●	●	●	●	●
M	不锈钢	Stainless Steel	☺	☺				●	●	●	●	●	●	●	●
K	铸铁	Iron	☺	☺				●	●	●	●	●	●	●	●
N	铝/铜/镁/锌/塑料/木材	Aluminum/Copper/Magnesium/Zinc/Plastic/Wood	☺	☺				●	●	●	●	●	●	●	●
S	硬质合金/粉末冶金	Carbide/Powder Metallurgy	☺	☺				●	●	●	●	●	●	●	●
H	钛/高温合金/碳纤维	Titanium/Superalloy/Carbon Fiber	☺	☺				●	●	●	●	●	●	●	●



内孔车刀 (Internal Toolholder): B121-B122

用途 Application	规格型号 Specification		切深 Depth	螺距 Pitch	尺寸 Dimension (mm)					PCD	CBN-K	CBN-S	ZN60	ZN62	ZK01	ZM826	ZP150	ZP680	ZM856	ZM860																			
	[ER]	[EL]			φd	L	rε	T	F																														
	Hmin	(tpi)																																					
外螺纹加工 External thread processing	11ER 20 PG 18 PG 16 PG	11EL 20 PG 18 PG 16 PG	20	20	6.35	11	3.18	1.0	1.1	●	●	●	●	●	●	●	●	●	●	●																			
																					16ER 20 PG 18 PG 16PG	16EL 20 PG 18 PG 16PG	20	20	9.525	16	3.65	1.0	1.1	●	●	●	●	●	●	●	●	●	●

用途 Application	规格型号 Specification		切深 Depth	螺距 Pitch	尺寸 Dimension (mm)					PCD	CBN-K	CBN-S	ZN60	ZN62	ZK01	ZM826	ZP150	ZP680	ZM856	ZM860																			
	[IR]	[IL]			φd	L	rε	S	F																														
	Hmin	(tpi)																																					
内螺纹加工 Internal thread processing	11IR 20 PG 18 PG 16 PG	11IL 20 PG 18 PG 16 PG	20	20	6.35	11	3.18	1.0	1.1	●	●	●	●	●	●	●	●	●	●	●																			
																					16IR 20 PG 18 PG 16PG	16IL 20 PG 18 PG 16PG	20	20	9.525	16	3.65	1.0	1.1	●	●	●	●	●	●	●	●	●	●

数控刀片

CN
DN
RN
KN
175
SN
TN
VN
WN

CC
DC
RC
SC
WB
TB
TC
TP
VB
VC

三角浅槽
TGF
GBA
T.N/E

小零件
CTP
TKF

切槽切断
MG.
MR.
SP.
GMM
TDC

后车削
ABS
TBP
TKFB

内孔切槽
GER
GR

锥形车削刀片
铣削刀片

数控
刀片

CN
DN
RN
KN
175
SN
TN
VN
WN

CC
DC
RC
SC
WB
TB
TC
TP
VB
VC

三角
浅槽
TGF
GBA
T.N/E

小
零件
CTP
TKF

切槽
切断
MG.
MR.
SP.
GMM
TDC

后
车削
ABS
TBP
TKFB

内孔
切槽

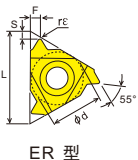
GER
GR

螺纹
车削
刀片

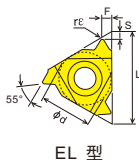
铣削
刀片

55°牙型 英制 锥管螺纹

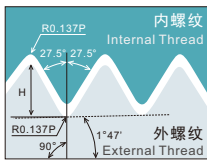
螺纹应用领域：气管/汽管/水管螺纹
Thread Application: Air pipe / steam pipe / water pipe thread



ER 型



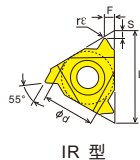
EL 型



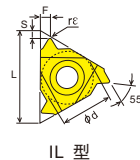
👉 外圆车刀 (External Toolholder): B115

用途 Application	规格型号 Specification		切深 Depth Hmin	螺距 Pitch (tpi)	尺寸 Dimension (mm)					材料 Material																			
	[ER]	[EL]			ϕ d	L	r ϵ	S	F	PCD	CBN-K	CBN-S	ZN60	ZN60	ZK01	ZK01	ZM29	ZM29	ZP15	ZP15	ZP80	ZP80	ZM85	ZM85	ZM86	ZM86			
外螺纹加工 External thread processing	11ER 28BSPT (ERM) 19BSPT 14BSPT	11EL 28BSPT 19BSPT 14BSPT	0.58 0.86 1.16	28 19 14	6.35	11	0.11 0.16 0.21	0.6 0.8 0.9	0.6 0.9 1.0																				
	16ER 28BSPT (ERM) 19BSPT 14BSPT 11BSPT	16EL 28BSPT 19BSPT 14BSPT 11BSPT	0.58 0.86 1.16 1.48	28 19 14 11	9.525	16	0.11 0.16 0.21 0.28	0.6 0.8 1.0 1.1	0.6 0.9 1.2 1.5																				

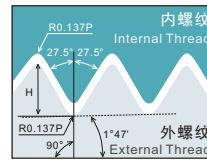
材料 Material	切削形态: Cutting Environment	稳定切削 Stable Cutting	一般切削 General Cutting	不稳定切削 Unstable Cutting	PCD	CBN-K	CBN-S	ZN60	ZN60	ZK01	ZK01	ZM29	ZM29	ZP15	ZP15	ZP80	ZP80	ZM85	ZM85	ZM86	ZM86	
P 钢 Steel	☑	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
M 不锈钢 Stainless Steel	☑	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
K 铸铁 Iron	☑	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
N 铝/铜/镁/锌/塑料/木材 Aluminum/Copper/Magnesium/Zinc/Plastic/Wood	☑	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
S 硬质合金/粉末冶金 Carbide/Powder Metallurgy	☑	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
H 钛/高温合金/碳纤维 Titanium/Superalloy/Carbon Fiber	☑	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●



IR 型



IL 型

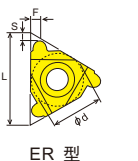


👉 内孔车刀 (Internal Toolholder): B121-B122

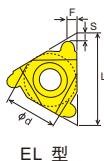
用途 Application	规格型号 Specification		切深 Depth Hmin	螺距 Pitch (tpi)	尺寸 Dimension (mm)					材料 Material																			
	[IR]	[IL]			ϕ d	L	r ϵ	S	F	PCD	CBN-K	CBN-S	ZN60	ZN60	ZK01	ZK01	ZM29	ZM29	ZP15	ZP15	ZP80	ZP80	ZM85	ZM85	ZM86	ZM86			
内螺纹加工 Internal thread processing	06IR 28BSPT (IRM) 19BSPT 14BSPT	06IL 28BSPT 19BSPT 14BSPT	0.58 0.86 1.16	28 19 14	3.97	6	0.11 0.16 0.21	0.6 0.8 0.9	0.6 0.9 1.0																				
	08IR 28BSPT (IRM) 19BSPT 14BSPT	08IL 28BSPT 19BSPT 14BSPT	0.58 0.86 1.16	28 19 14	4.76	8	0.11 0.16 0.21	0.6 0.8 0.9	0.6 0.9 1.0																				
	16IR 28BSPT (IRM) 19BSPT 14BSPT 11BSPT	16IL 28BSPT 19BSPT 14BSPT 11BSPT	0.58 0.86 1.16 1.48	28 19 14 11	9.525	16	0.11 0.16 0.21 0.28	0.6 0.8 1.0 1.1	0.6 0.9 1.2 1.5																				

DIN405 圆齿 管螺纹

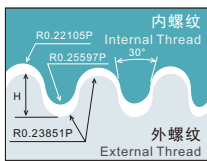
螺纹应用领域：防火管件和食品工业用管螺纹
Thread Application: For Fireproof pipe fittings and food industry



ER 型



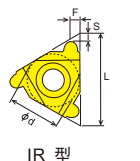
EL 型



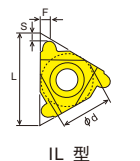
👉 外圆车刀 (External Toolholder): B115

用途 Application	规格型号 Specification		切深 Depth Hmin	螺距 Pitch (tpi)	尺寸 Dimension (mm)					材料 Material																			
	[ER]	[EL]			ϕ d	L	r ϵ	S	F	PCD	CBN-K	CBN-S	ZN60	ZN60	ZK01	ZK01	ZM29	ZM29	ZP15	ZP15	ZP80	ZP80	ZM85	ZM85	ZM86	ZM86			
外螺纹加工 External thread processing	16ER 10 RND 8 RND 6 RND	16EL 10 RND 8 RND 6 RND	1.27 1.59 2.12	10 8 6	9.525	16	1.1 1.4 1.5	1.2 1.3 1.7																					
	22ER 6 RND 4 RND	22EL 6 RND 4 RND	2.12 3.18	6 4	12.7	22	1.5 2.2	1.7 2.3																					
	27ER 4 RND	27EL 4 RND	3.18	4	15.87	27	2.2	2.3																					

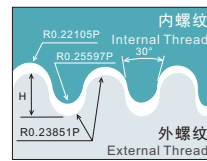
材料 Material	切削形态: Cutting Environment	稳定切削 Stable Cutting	一般切削 General Cutting	不稳定切削 Unstable Cutting	PCD	CBN-K	CBN-S	ZN60	ZN60	ZK01	ZK01	ZM29	ZM29	ZP15	ZP15	ZP80	ZP80	ZM85	ZM85	ZM86	ZM86	
P 钢 Steel	☑	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
M 不锈钢 Stainless Steel	☑	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
K 铸铁 Iron	☑	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
N 铝/铜/镁/锌/塑料/木材 Aluminum/Copper/Magnesium/Zinc/Plastic/Wood	☑	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
S 硬质合金/粉末冶金 Carbide/Powder Metallurgy	☑	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
H 钛/高温合金/碳纤维 Titanium/Superalloy/Carbon Fiber	☑	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●



IR 型



IL 型

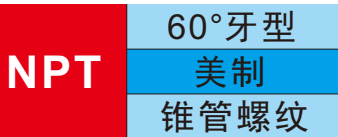


👉 内孔车刀 (Internal Toolholder): B121-B122

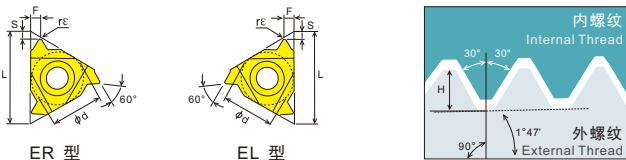
用途 Application	规格型号 Specification		切深 Depth Hmin	螺距 Pitch (tpi)	尺寸 Dimension (mm)					材料 Material																		
	[IR]	[IL]			ϕ d	L	r ϵ	S	F	PCD	CBN-K	CBN-S	ZN60	ZN60	ZK01	ZK01	ZM29	ZM29	ZP15	ZP15	ZP80	ZP80	ZM85	ZM85	ZM86	ZM86		
内螺纹加工 Internal thread processing	16IR 10 RND 8 RND 6 RND	16IL 10 RND 8 RND 6 RND	1.27 1.59 2.12	10 8 6	9.525	16	1.1 1.4 1.5	1.2 1.3 1.7																				
	22IR 6 RND 4 RND	22IL 6 RND 4 RND	2.12 3.18	6 4	12.7	22	1.5 2.2	1.7 2.3																				
	27IR 4 RND	27IL 4 RND	3.18	4	15.87	27	2.2	2.3																				

管螺纹刀片

BSPT/RND/NPT/NPTF Thread Turning Insert



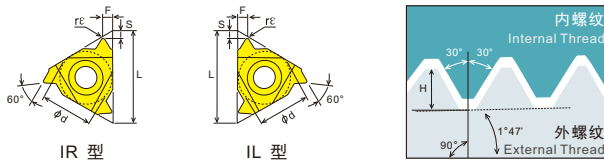
螺纹应用领域：气管/汽管/水管螺纹
Thread Application: Air pipe / steam pipe / water pipe thread



外圆车刀 (External Toolholder): B115

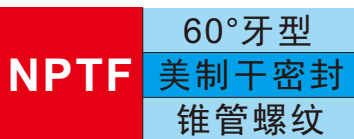
用途 Application	规格型号 Specification		切深 Depth Hmin	螺距 Pitch (tpi)	尺寸 Dimension (mm)					材料										
	[ER]	[EL]			ϕd	L	r _e	S	F	PCD CBN-K CBN-S ZK01 ZK01 ZM826 ZP150 ZP150 ZP150 ZM856 ZM860	PCD CBN-K CBN-S ZK01 ZK01 ZM826 ZP150 ZP150 ZM856 ZM860									
外螺纹加工 External thread processing	11ER 27 NPT (ERM) 18 NPT 14 NPT	11EL 27 NPT 18 NPT 14 NPT	0.66 1.01 1.33	27 18 14	6.35	11	0.04 0.06 0.07	0.7 0.8 1.0	0.8 1.0 1.0	●	●	●	●	●	●	●	●	●	●	●
	16ER 27 NPT (ERM) 18 NPT 14 NPT 11.5 NPT 08 NPT	16EL 27 NPT 18 NPT 14 NPT 11.5 NPT 08 NPT	0.66 1.01 1.33 1.64 2.42	27 18 14 11.5 8	9.525	16	0.04 0.06 0.07 0.09 0.12	0.7 0.8 0.9 1.1 1.3	0.8 1.0 1.2 1.5 1.8	●	●	●	●	●	●	●	●	●	●	●

Material	切削形态: Cutting Environment	材料	切削形态: Cutting Environment	材料	切削形态: Cutting Environment
P	钢	Steel	●	稳定切削 Stable Cutting	●
M	不锈钢	Stainless Steel	●	一般切削 General Cutting	●
K	铸铁	Iron	●	一般切削(第二推荐) General Cutting(Second recommend)	●
N	铝/铜/镁/锌/塑料/木材	Aluminum/Copper/Magnesium/Zinc/Plastic/Wood	●	不稳定切削 Unstable Cutting	●
S	硬质合金/粉末冶金	Carbide/Powder Metallurgy	●	●	●
H	钛/高温合金/碳纤维	Titanium/Superalloy/Carbon Fiber	●	●	●

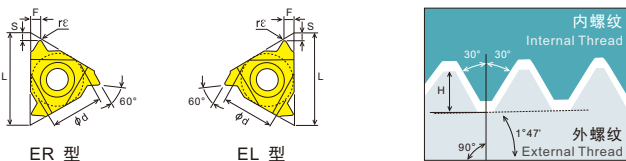


内孔车刀 (Internal Toolholder): B121-B122

用途 Application	规格型号 Specification		切深 Depth Hmin	螺距 Pitch (tpi)	尺寸 Dimension (mm)					材料									
	[IR]	[IL]			ϕd	L	r _e	S	F	PCD CBN-K CBN-S ZK01 ZK01 ZM826 ZP150 ZP150 ZM856 ZM860	PCD CBN-K CBN-S ZK01 ZK01 ZM826 ZP150 ZP150 ZM856 ZM860								
内螺纹加工 Internal thread processing	06IR 27 NPT (IRM) 18 NPT 14 NPT	06IL 27 NPT 18 NPT 14 NPT	0.66 1.01 1.33	27 18 14	3.97	6	0.04 0.06 0.07	0.6 0.6 0.6	0.6 0.6 1.0	●	●	●	●	●	●	●	●	●	●
	08IR 27 NPT (IRM) 18 NPT 14 NPT	08IL 27 NPT 18 NPT 14 NPT	0.66 1.01 1.33	27 18 14	4.76	8	0.04 0.06 0.07	0.6 0.6 0.6	0.6 0.6 1.0	●	●	●	●	●	●	●	●	●	●
	11IR 27 NPT (IRM) 18 NPT 14 NPT	11IL 27 NPT 18 NPT 14 NPT	0.66 1.01 1.33	27 18 14	6.35	11	0.04 0.06 0.07	0.7 0.8 1.0	0.8 1.0 1.0	●	●	●	●	●	●	●	●	●	●
	16IR 27 NPT (IRM) 18 NPT 14 NPT 11.5 NPT 08 NPT	16IL 27 NPT 18 NPT 14 NPT 11.5 NPT 08 NPT	0.66 1.01 1.33 1.64 2.42	27 18 14 11.5 8	9.525	16	0.04 0.06 0.07 0.09 0.12	0.7 0.8 1.0 1.2 1.5	0.8 1.0 1.2 1.5 1.8	●	●	●	●	●	●	●	●	●	●



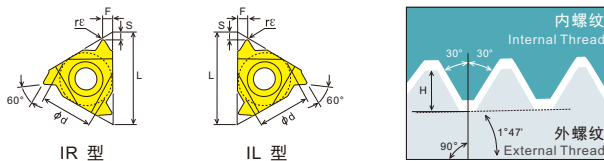
螺纹应用领域：气管/汽管/水管螺纹
Thread Application: Air pipe / steam pipe / water pipe thread



外圆车刀 (External Toolholder): B115

用途 Application	规格型号 Specification		切深 Depth Hmin	螺距 Pitch (tpi)	尺寸 Dimension (mm)					材料									
	[ER]	[EL]			ϕd	L	r _e	S	F	PCD CBN-K CBN-S ZK01 ZK01 ZM826 ZP150 ZP150 ZM856 ZM860	PCD CBN-K CBN-S ZK01 ZK01 ZM826 ZP150 ZP150 ZM856 ZM860								
外螺纹加工 External thread processing	11ER 27 NPTF (ERM) 18 NPTF 14 NPTF	11EL 27 NPTF 18 NPTF 14 NPTF	0.64 1.00 1.35	27 18 14	6.35	11	0.04 0.04 0.04	0.7 0.8 1.0	0.8 1.0 1.0	●	●	●	●	●	●	●	●	●	●
	16ER 27 NPTF (ERM) 18 NPTF 14 NPTF 11.5 NPTF 08 NPTF	16EL 27 NPTF 18 NPTF 14 NPTF 11.5 NPTF 08 NPTF	0.64 1.00 1.35 1.63 2.38	27 18 14 11.5 8	9.525	16	0.04 0.04 0.04 0.04 0.04	0.7 0.8 0.9 1.1 1.3	0.8 1.0 1.2 1.5 1.8	●	●	●	●	●	●	●	●	●	●

Material	切削形态: Cutting Environment	材料	切削形态: Cutting Environment	材料	切削形态: Cutting Environment
P	钢	Steel	●	稳定切削 Stable Cutting	●
M	不锈钢	Stainless Steel	●	一般切削 General Cutting	●
K	铸铁	Iron	●	一般切削(第二推荐) General Cutting(Second recommend)	●
N	铝/铜/镁/锌/塑料/木材	Aluminum/Copper/Magnesium/Zinc/Plastic/Wood	●	不稳定切削 Unstable Cutting	●
S	硬质合金/粉末冶金	Carbide/Powder Metallurgy	●	●	●
H	钛/高温合金/碳纤维	Titanium/Superalloy/Carbon Fiber	●	●	●



内孔车刀 (Internal Toolholder): B121-B122

用途 Application	规格型号 Specification		切深 Depth Hmin	螺距 Pitch (tpi)	尺寸 Dimension (mm)					材料									
	[IR]	[IL]			ϕd	L	r _e	S	F	PCD CBN-K CBN-S ZK01 ZK01 ZM826 ZP150 ZP150 ZM856 ZM860	PCD CBN-K CBN-S ZK01 ZK01 ZM826 ZP150 ZP150 ZM856 ZM860								
内螺纹加工 Internal thread processing	06IR 27 NPTF (IRM) 18 NPTF 14 NPTF	06IL 27 NPTF 18 NPTF 14 NPTF	0.64 1.00 1.35	27 18 14	3.97	6	0.04 0.04 0.04	0.7 0.6 0.6	0.6 0.6 1.0	●	●	●	●	●	●	●	●	●	●
	08IR 27 NPTF (IRM) 18 NPTF 14 NPTF	08IL 27 NPTF 18 NPTF 14 NPTF	0.64 1.00 1.35	27 18 14	4.76	8	0.04 0.04 0.04	0.6 0.6 0.6	0.6 0.6 1.0	●	●	●	●	●	●	●	●	●	●
	11IR 27 NPTF (IRM) 18 NPTF 14 NPTF	11IL 27 NPTF 18 NPTF 14 NPTF	0.64 1.00 1.35	27 18 14	6.35	11	0.04 0.04 0.04	0.7 0.8 1.0	0.8 1.0 1.0	●	●	●	●	●	●	●	●	●	●
	16IR 27 NPTF (IRM) 18 NPTF 14 NPTF 11.5 NPTF 08 NPTF	16IL 27 NPTF 18 NPTF 14 NPTF 11.5 NPTF 08 NPTF	0.64 1.00 1.35 1.63 2.38	27 18 14 11.5 8	9.525	16	0.04 0.04 0.04 0.04 0.04	0.7 0.8 0.9 1.1 1.3	0.8 1.0 1.2 1.5 1.8	●	●	●	●	●	●	●	●	●	●

数控刀片

CN
DN
RN
KN
175
SN
TN
VN
WN

CC
DC
RC
SC
WB
TB
TC
TP
VB
VC

三角浅槽
TGF
GBA
T.N/E

小零件
CTP
TKF

切槽
切断
MG.
MR.
SP.
GMM
TDC

后车削
ABS
TBP
TKFB

内孔切槽

GER
GR

铣削刀片

铣削刀片

数控刀片

CN
DN
RN
KN
175
SN
TN
VN
WN

CC
DC
RC
SC
WB
TB
TC
TP
VB
VC

三角浅槽
TGF
GBA
T.N/E

小零件
CTP
TKF

切槽
切断
MR.
SP.
GMM
TDC

后车削
ABS
TBP
TKFB

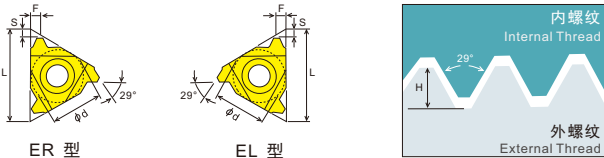
内孔切槽
GER
GR

螺纹车削刀片

铣削刀片

29°牙型 ACME 美制 梯形螺纹

螺纹应用领域：传递动力用梯形螺纹
Thread Application: Trapezoidal thread for power transmission

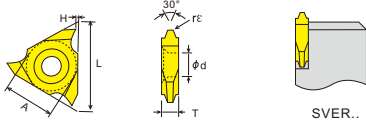


外圆车刀 (External Toolholder): B115

用途 Application	规格型号 Specification		切深 Depth Hmin	螺距 Pitch (tpi)	尺寸 Dimension (mm)					材料 Material								
	[ER]	[EL]			ϕd	L	r ϵ	S	F	PCD	CBN-K	CBN-S	ZN60	ZN60	ZN60	ZN60	ZN60	ZN60
外螺纹加工 External thread processing	11ER 16 ACME	11EL 16 ACME	0.92	16	6.35	11		1.0	1.1									
	16ER 16 ACME (ERM) 14 ACME	16EL 16 ACME 14 ACME	0.92	16				1.0	1.1									
	12 ACME	12 ACME	1.03	14				1.0	1.2									
	12 ACME	12 ACME	1.19	12	9.525	16		1.1	1.2									
	10 ACME	10 ACME	1.52	10				1.3	1.4									
	8 ACME	8 ACME	1.84	8				1.4	1.5									
外螺纹加工 External thread processing	22ER 6 ACME (ERM) 5 ACME	22EL 6 ACME 5 ACME	2.37	6	12.7	22		1.8	2.1									
	27ER 4 ACME 3 ACME	27EL 4 ACME 3 ACME	3.43	4	15.87	27		2.4	2.7									

VER..

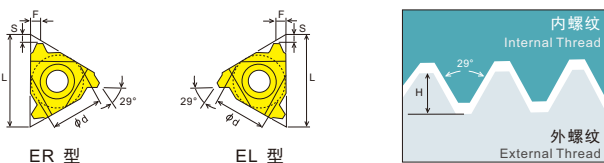
外圆车刀: B119
(External Toolholder)



用途 Application	规格型号 Specification		螺距 Pitch (tpi)	H	尺寸 Dimension (mm)					材料 Material								
	[VER]				r ϵ	L	T	A	ϕd	PCD	CBN-K	CBN-S	ZN60	ZN60	ZN60	ZN60	ZN60	ZN60
外螺纹加工 External thread processing	22VER	6ACME	6	0.2	22	4.9	12.7	5.1										
	5ACME		5	0.25														
	4ACME		4	0.3														
外螺纹加工 External thread processing	27VER	3.5ACME	3.5	0.3	27	8.7	15.87	6.35										
	3ACME		3	0.3														

29°牙型 STUB ACME 美制短牙 梯形螺纹

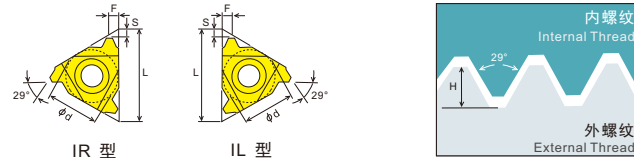
螺纹应用领域：ACME改善型控制阀门用成型螺纹
Thread Application: Acme improved control valve forming thread



外圆车刀 (External Toolholder): B115

用途 Application	规格型号 Specification		切深 Depth Hmin	螺距 Pitch (tpi)	尺寸 Dimension (mm)					材料 Material								
	[ER]	[EL]			ϕd	L	r ϵ	S	F	PCD	CBN-K	CBN-S	ZN60	ZN60	ZN60	ZN60	ZN60	ZN60
外螺纹加工 External thread processing	11ER 16 STACME	11EL 16 STACME	0.60	16	6.35	11		1.0	1.0									
	16ER 16 STACME (ERM) 14 STACME	16EL 16 STACME 14 STACME	0.60	16				1.0	1.0									
	12 STACME	12 STACME	0.67	14				1.1	1.1									
	12 STACME	12 STACME	0.76	12	9.525	16		1.2	1.2									
	10 STACME	10 STACME	1.02	10				1.2	1.3									
	8 STACME	8 STACME	1.21	8				1.4	1.5									
外螺纹加工 External thread processing	22ER 6 STACME (ERM) 5 STACME	22EL 6 STACME 5 STACME	1.52	6	12.7	22		1.7	1.8									
	27ER 4 STACME 3 STACME	27EL 4 STACME 3 STACME	2.16	4	15.87	27		2.3	2.4									

Material 材质	切削形态: Cutting Environment		材料兼容性					
	● 稳定切削 Stable Cutting	● 一般切削 General Cutting	● 稳定切削 Stable Cutting	● 一般切削 General Cutting	● 不稳定切削 Unstable Cutting	● 不稳定切削 Unstable Cutting	● 不稳定切削 Unstable Cutting	● 不稳定切削 Unstable Cutting
P 钢 Steel	●	●	●	●	●	●	●	●
M 不锈钢 Stainless Steel	●	●	●	●	●	●	●	●
K 铸铁 Iron	●	●	●	●	●	●	●	●
N 铝/铜/镁/锌/塑料/木材 Aluminum/Copper/Magnesium/Zinc/Plastic/Wood	●	●	●	●	●	●	●	●
S 硬质合金/粉末冶金 Carbide/Powder Metallurgy	●	●	●	●	●	●	●	●
H 钛/高温合金/碳纤维 Titanium/Superalloy/Carbon Fiber	●	●	●	●	●	●	●	●

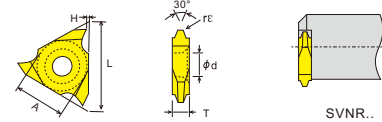


内孔车刀 (Internal Toolholder): B121-B122

用途 Application	规格型号 Specification		切深 Depth Hmin	螺距 Pitch (tpi)	尺寸 Dimension (mm)					材料 Material								
	[IR]	[IL]			ϕd	L	r ϵ	S	F	PCD	CBN-K	CBN-S	ZN60	ZN60	ZN60	ZN60	ZN60	ZN60
内螺纹加工 Internal thread processing	11IR 16 ACME	11IL 16 ACME	0.92	16	6.35	11		0.9	0.9									
	16IR 16 ACME (IRM) 14 ACME	16IL 16 ACME 14 ACME	0.92	16				1.0	1.1									
	12 ACME	12 ACME	1.03	14				1.0	1.2									
	12 ACME	12 ACME	1.19	12	9.525	16		1.1	1.2									
	10 ACME	10 ACME	1.52	10				1.2	1.3									
	8 ACME	8 ACME	1.84	8				1.4	1.5									
内螺纹加工 Internal thread processing	22IR 6 ACME (IRM) 5 ACME	22IL 6 ACME 5 ACME	2.37	6	12.7	22		1.8	2.1									
	27IR 4 ACME 3 ACME	27IL 4 ACME 3 ACME	3.43	4	15.87	27		2.3	2.6									

VNR..

内孔车刀: B120
(Internal Toolholder)



用途 Application	规格型号 Specification		螺距 Pitch (tpi)	H	尺寸 Dimension (mm)					材料 Material								
	[VNR]				r ϵ	L	T	A	ϕd	PCD	CBN-K	CBN-S	ZN60	ZN60	ZN60	ZN60	ZN60	ZN60
内螺纹加工 Internal thread processing	22VNR	6ACME	6	0.2	22	4.9	12.7	5.1										
	5ACME		5	0.25														
	4ACME		4	0.3														
内螺纹加工 Internal thread processing	27VNR	3.5ACME	3.5	0.3	27	8.7	15.87	6.35										
	3ACME		3	0.3														

数控刀片

CN
DN
RN
KN
175
SN
TN
VN
WN

CC
DC
RC
SC
WB
TB
TC
TP
VB
VC

三角浅槽
TGF
GBA
T.N/E

小零件
CTP
TKF

切槽
切崩
MG.
MR.
SP.
GMM
TDC

后车削
ABS
TBP
TKFB

内孔切槽

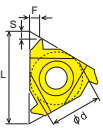
GER
GR

螺纹车削刀片

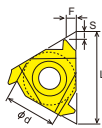
铣削刀片

45°+7°牙型 ABUT 美制 锯齿螺纹

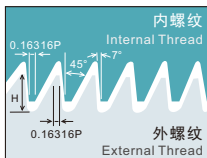
螺纹应用领域：单向受力较大，传递动力用螺纹
Thread Application: One way force is large, and the thread for power transmission



ER 型



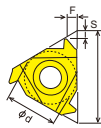
EL 型



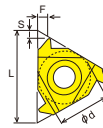
👉 外圆车刀 (External Toolholder) : B115

用途 Application	规格型号 Specification		切深 Depth Hmin	螺距 Pitch (tpi)	尺寸 Dimension (mm)					PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP150	ZP680	ZM856	ZM860					
	[ER]	[EL]			φd	L	rε	S	F															
外螺纹加工 External thread processing	11ER 20 ABUT	11EL 20 ABUT	0.84	20	6.35	11			1.0	1.4	●	●			●	●								
	16 ABUT	16 ABUT	1.05	16																1.3	1.9	●	●	
	16ER 20 ABUT	16EL 20 ABUT	16 ABUT	0.84	20	9.525	16			1.0	1.4	●	●			●	●							
			16 ABUT	1.05	16																1.3	1.9	●	●
			12 ABUT	1.40	12																1.4	2.0	●	●
			10 ABUT	1.68	10																1.5	2.3	●	●
22ER 8 ABUT	22EL 8 ABUT	8 ABUT	2.10	8	12.7	22			2.0	3.2	●	●			●	●								
		6 ABUT	2.80	6																2.2	3.5	●	●	

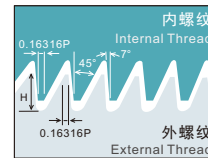
Material	切削形态: Cutting Environment	稳定切削 Stable Cutting	一般切削 General Cutting	不稳定切削 Unstable Cutting	PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP150	ZP680	ZM856	ZM860
P	钢	●	●	●	●	●	●	●	●	●	●	●	●	●
M	不锈钢	●	●	●	●	●	●	●	●	●	●	●	●	●
K	铸铁	●	●	●	●	●	●	●	●	●	●	●	●	●
N	铝/铜/镁/锌/塑料/木材	●	●	●	●	●	●	●	●	●	●	●	●	●
S	硬质合金/粉末冶金	●	●	●	●	●	●	●	●	●	●	●	●	●
H	钛/高温合金/碳纤维	●	●	●	●	●	●	●	●	●	●	●	●	●



IR 型



IL 型

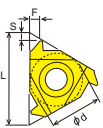


👉 内孔车刀 (Internal Toolholder) : B121-B122

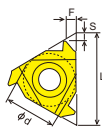
用途 Application	规格型号 Specification		切深 Depth Hmin	螺距 Pitch (tpi)	尺寸 Dimension (mm)					PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP150	ZP680	ZM856	ZM860					
	[IR]	[IL]			φd	L	rε	S	F															
内螺纹加工 Internal thread processing	11IR 20 ABUT	11IL 20 ABUT	0.84	20	6.35	11			1.0	1.4	●	●			●	●								
	16 ABUT	16 ABUT	1.05	16																1.3	1.9	●	●	
	16IR 20 ABUT	16IL 20 ABUT	16 ABUT	0.84	20	9.525	16			1.0	1.4	●	●			●	●							
			16 ABUT	1.05	16																1.3	1.9	●	●
			12 ABUT	1.40	12																1.4	2.0	●	●
			10 ABUT	1.68	10																1.5	2.3	●	●
22IR 8 ABUT	22IL 8 ABUT	8 ABUT	2.10	8	12.7	22			2.0	3.2	●	●			●	●								
		6 ABUT	2.80	6																2.2	3.5	●	●	

45°+7°牙型 BBUT 英制 锯齿螺纹

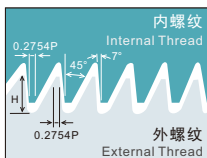
螺纹应用领域：单向受力较大，传递动力用螺纹
Thread Application: One way force is large, and the thread for power transmission



ER 型



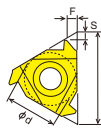
EL 型



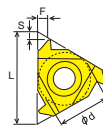
👉 外圆车刀 (External Toolholder) : B115

用途 Application	规格型号 Specification		切深 Depth Hmin	螺距 Pitch (tpi)	尺寸 Dimension (mm)					PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP150	ZP680	ZM856	ZM860					
	[ER]	[EL]			φd	L	rε	S	F															
外螺纹加工 External thread processing	16ER 16 BBUT	16EL 16 BBUT	0.80	16	9.525	16			1.1	1.6	●	●			●	●								
	12 BBUT	12 BBUT	1.07	12																1.4	2.1	●	●	
	10 BBUT	8 BBUT	10 BBUT	1.28	10					1.4	2.2	●	●			●	●							
			8 BBUT	1.61	8																1.6	2.5	●	●
			8 BBUT	1.61	8																1.6	2.5	●	●
			8 BBUT	1.61	8																1.6	2.5	●	●
22ER 8 BBUT	22EL 8 BBUT	1.61	8	12.7	22			1.6	2.5	●	●			●	●									

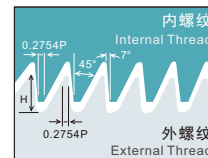
Material	切削形态: Cutting Environment	稳定切削 Stable Cutting	一般切削 General Cutting	不稳定切削 Unstable Cutting	PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP150	ZP680	ZM856	ZM860
P	钢	●	●	●	●	●	●	●	●	●	●	●	●	●
M	不锈钢	●	●	●	●	●	●	●	●	●	●	●	●	●
K	铸铁	●	●	●	●	●	●	●	●	●	●	●	●	●
N	铝/铜/镁/锌/塑料/木材	●	●	●	●	●	●	●	●	●	●	●	●	●
S	硬质合金/粉末冶金	●	●	●	●	●	●	●	●	●	●	●	●	●
H	钛/高温合金/碳纤维	●	●	●	●	●	●	●	●	●	●	●	●	●



IR 型



IL 型



👉 内孔车刀 (Internal Toolholder) : B121-B122

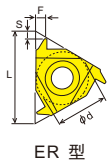
用途 Application	规格型号 Specification		切深 Depth Hmin	螺距 Pitch (tpi)	尺寸 Dimension (mm)					PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP150	ZP680	ZM856	ZM860					
	[IR]	[IL]			φd	L	rε	S	F															
内螺纹加工 Internal thread processing	16IR 16 BBUT	16IL 16 BBUT	0.80	16	9.525	16			1.1	1.6	●	●			●	●								
	12 BBUT	12 BBUT	1.07	12																1.4	2.1	●	●	
	10 BBUT	8 BBUT	10 BBUT	1.28	10					1.4	2.2	●	●			●	●							
			8 BBUT	1.61	8																1.6	2.5	●	●
			8 BBUT	1.61	8																1.6	2.5	●	●
			8 BBUT	1.61	8																1.6	2.5	●	●
22IR 8 BBUT	22IL 8 BBUT	1.61	8	12.7	22			1.6	2.5	●	●			●	●									

锯齿 螺纹车刀片

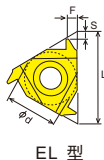
ABUT,BBUT,SAGE Thread Turning Insert

SAGE 30°+3°牙型
公制
锯齿螺纹

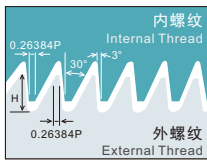
螺纹应用领域：单向受力较大，传递动力用螺纹
Thread Application: One way force is large, and the thread for power transmission



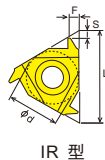
ER 型



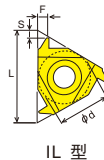
EL 型



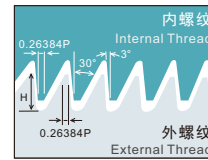
内螺纹
External Thread



IR 型



IL 型



内螺纹
External Thread

Material	切削形态: ● 稳定切削 (Stable Cutting) ● 一般切削 (General Cutting)	PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP150	ZP680	ZM856	ZM860
材质	钢 (Steel)	●	●	●	●	●	●	●	●	●	●
P	钢 (Steel)	●	●	●	●	●	●	●	●	●	●
M	不锈钢 (Stainless Steel)	●	●	●	●	●	●	●	●	●	●
K	铸铁 (Iron)	●	●	●	●	●	●	●	●	●	●
N	铝/铜/镁/锌/塑料/木材 (Aluminum/Copper/Magnesium/Zinc/Plastic/Wood)	●	●	●	●	●	●	●	●	●	●
S	硬质合金/粉末冶金 (Carbide/Powder Metallurgy)	●	●	●	●	●	●	●	●	●	●
H	钛/高温合金/碳纤维 (Titanium/Superalloy/Carbon Fiber)	●	●	●	●	●	●	●	●	●	●

外圆车刀 (External Toolholder): B115

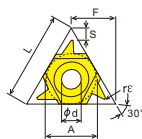
用途 Application	规格型号 Specification		切深 Depth Hmin	螺距 Pitch (mm)	尺寸 Dimension (mm)					材料									
	[ER]	[EL]			φd	L	rε	S	F	PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP150	ZP680	ZM856	ZM860
外螺纹加工 External thread processing	16ER 2.0 SAGE	16EL 2.0 SAGE	1.74	2.0	9.525	16	1.47	2.08	●	●									
	22ER 2.0 SAGE	22EL 2.0 SAGE	1.74	2.0			1.47	2.08	●	●									
	3.0 SAGE	3.0 SAGE	2.60	3.0	12.7	22	1.79	2.60	●	●									
	4.0 SAGE	4.0 SAGE	3.55	4.0			1.93	3.20	●	●									

内孔车刀 (Internal Toolholder): B121-B122

用途 Application	规格型号 Specification		切深 Depth Hmin	螺距 Pitch (mm)	尺寸 Dimension (mm)					材料									
	[IR]	[IL]			φd	L	rε	S	F	PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP150	ZP680	ZM856	ZM860
内螺纹加工 Internal thread processing	16IR 2.0 SAGE	16IL 2.0 SAGE	1.50	2.0	9.525	16	1.52	2.2	●	●									
	22IR 3.0 SAGE	22IL 3.0 SAGE	2.25	3.0	12.7	22	1.66	2.9	●	●									
	4.0 SAGE	4.0 SAGE	3.09	4.0			2.12	3.2	●	●									

UER..

外螺纹加工
External thread processing

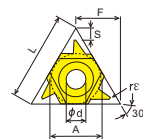


外圆车刀: B116
(External Toolholder)

用途 Application	规格型号 Specification		切深 Depth Hmin	螺距 Pitch (mm)	尺寸 Dimension (mm)					材料									
	[U]				φd	L	rε	A	F	PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP150	ZP680	ZM856	ZM860
外螺纹加工 External thread processing	22UER	5.0 SAGE	5.0	6.0	5.1	22	0.62	0.75	12.7	11.0	●	●							
		6.0 SAGE									●	●							

UIR..

内螺纹加工
Internal thread processing

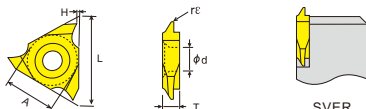


内孔车刀: B116
(Internal Toolholder)

用途 Application	规格型号 Specification		切深 Depth Hmin	螺距 Pitch (mm)	尺寸 Dimension (mm)					材料									
	[U]				φd	L	rε	A	F	PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP150	ZP680	ZM856	ZM860
内螺纹加工 Internal thread processing	22UIR	5.0 SAGE	5.0	6.0	5.1	22	0.62	0.75	12.7	11.0	●	●							
		6.0 SAGE									●	●							

VER..

外螺纹加工
External thread processing

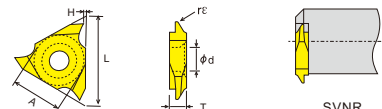


外圆车刀: B119
(External Toolholder)

用途 Application	规格型号 Specification		螺距 Pitch (mm)	尺寸 Dimension (mm)					材料										
	[VER]			H	rε	L	T	A	φd	PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP150	ZP680	ZM856	ZM860
外螺纹加工 External thread processing	27VER	8.0 SAGE	8.0	0.8	27	8.7	15.87	6.35	●	●									
											●	●							

VNR..

内螺纹加工
Internal thread processing



内孔车刀: B120
(Internal Toolholder)

用途 Application	规格型号 Specification		螺距 Pitch (mm)	尺寸 Dimension (mm)					材料										
	[VNR]			H	rε	L	T	A	φd	PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP150	ZP680	ZM856	ZM860
内螺纹加工 Internal thread processing	27VNR	8.0 SAGE	8.0	0.2	27	8.7	15.87	6.35	●	●									
											●	●							

数控刀片

CN
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CC
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WB
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TC
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VB
VC

三角浅槽
TGF
GBA
T.N/E

小零件
CTP
TKF

切槽
切断
MG.
MR.
SP.
GMM
TDC

后车削
ABS
TBP
TKFB

内孔切槽
GER
GR

螺纹车削刀片

铣削刀片

数控刀片

CN
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SC
WB
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TC
TP
VB
VC

三角浅槽
TGF
GBA
T.N/E

小零件
CTP
TKF

切槽
切崩
MR.
SP.
GMM
TDC

后车削
ABS
TBP
TKFB

内孔切槽
GER
GR

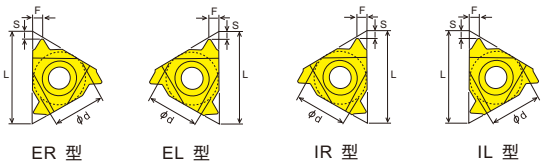
超精密刀片

铣削刀片

API

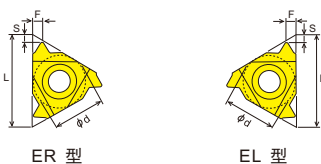
石油管螺纹
天然气工业
螺纹刀片

螺纹应用领域：石油及天然气工业轴肩连接用螺纹
Thread Application: Petroleum and natural gas industries - screw threads for shoulder connections



外圆车刀 (External Toolholder): B115

用途 Application	规格型号 Specification		切深 Depth Hmin	螺距 Pitch (tpi)	尺寸 Dimension (mm)						材料兼容性							
	[ER]	[EL]			φd	L	a	S	F	PCD				Material				
										CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP150	ZP680	ZM856	ZM860
外螺纹加工 External thread processing	22ER 4API382	22EL 4API382	3.09	4	12.7	22	2"	2.1	2.8									
	4API383	4API383	3.08	4			3"	2.1	2.8									
	4API502	4API502	3.75	4	2"	2.0	2.9											
	4API503	4API503	3.74	4	3"	2.0	2.9											
	5API403	5API403	2.99	5	3"	1.8	2.6											
	6API551	6API551	1.41	6	1"	2.6	2.0											
	27ER 4API382	27EL 4API382	3.09	4	15.87	27	2"	2.1	2.8									
	4API383	4API383	3.08	4			3"	2.1	2.8									
	4API502	4API502	3.75	4			2"	2.1	3.1									
	4API503	4API503	3.74	4			3"	2.1	3.1									
	5API403	5API403	2.99	5			3"	1.9	2.7									



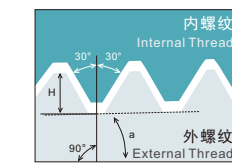
外圆车刀 (External Toolholder): B115

用途 Application	规格型号 Specification		切深 Depth Hmin	螺距 Pitch (tpi)	尺寸 Dimension (mm)						材料兼容性							
	[ER]	[EL]			φd	L	a	S	F	PCD				Material				
										CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP150	ZP680	ZM856	ZM860
外螺纹加工 External thread processing	16ER 10APIRD 8APIRD	16EL 10APIRD 8APIRD	1.41	10	9.525	16	1.47"	1.2	1.4									
			1.81	8			1.3	1.5										

外圆车刀 (External Toolholder): B126

用途 Application	尺寸标示 Dimensioning	规格型号 Specification	螺距 Pitch (tpi)	齿数	尺寸 Dimension (mm)			材料兼容性									
		22ER 10APIRD-4 8APIRD-3			10 8	4 3	1.47"	0.18 0.32	17.1 17.1	PCD				Material			
										CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP150	ZP680	ZM856
外螺纹加工 External thread processing																	

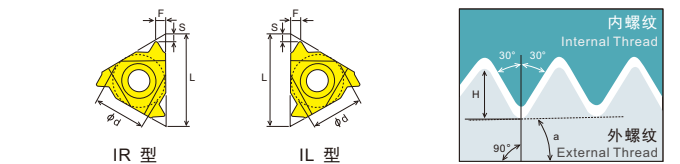
Material	切削形态: Cutting Environment			PCD	Material
	● 稳定切削 Stable Cutting	◎ 一般切削 General Cutting	✖ 不稳定切削 Unstable Cutting		
P 钢 Steel	●	◎	✖	●	●
M 不锈钢 Stainless Steel	●	◎	✖	●	●
K 铸铁 Iron	●	◎	✖	●	●
N 铝/铜/镁/锌/塑料/木材 Aluminum/Copper/Magnesium/Zinc/Plastic/Wood	●	◎	✖	●	●
S 硬质合金/粉末冶金 Carbide/Powder Metallurgy	●	◎	✖	●	●
H 钛/高温合金/碳纤维 Titanium/Superalloy/Carbon Fiber	●	◎	✖	●	●



内孔车刀 (Internal Toolholder): B121-B122

用途 Application	规格型号 Specification		切深 Depth Hmin	螺距 Pitch (tpi)	尺寸 Dimension (mm)						材料兼容性							
	[IR]	[IL]			φd	L	a	S	F	PCD				Material				
										CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP150	ZP680	ZM856	ZM860
内螺纹加工 Internal thread processing	22IR 4API382	22IL 4API382	3.09	4	12.7	22	2"	2.1	2.8									
	4API383	4API383	3.08	4			3"	2.1	2.8									
	4API502	4API502	3.75	4	2"	2.1	3.1											
	4API503	4API503	3.74	4	3"	2.0	2.9											
	5API403	5API403	2.99	5	3"	1.8	2.6											
	6API551	6API551	1.41	6	1"	2.6	2.0											
	27IR 4API382	27IL 4API382	3.09	4	15.87	27	2"	2.1	2.8									
	4API383	4API383	3.08	4			3"	2.1	2.8									
	4API502	4API502	3.75	4			2"	2.1	3.1									
	4API503	4API503	3.74	4			3"	2.1	3.1									
	5API403	5API403	2.99	5			3"	1.9	2.7									

Material	切削形态: Cutting Environment			PCD	Material
	● 稳定切削 Stable Cutting	◎ 一般切削 General Cutting	✖ 不稳定切削 Unstable Cutting		
P 钢 Steel	●	◎	✖	●	●
M 不锈钢 Stainless Steel	●	◎	✖	●	●
K 铸铁 Iron	●	◎	✖	●	●
N 铝/铜/镁/锌/塑料/木材 Aluminum/Copper/Magnesium/Zinc/Plastic/Wood	●	◎	✖	●	●
S 硬质合金/粉末冶金 Carbide/Powder Metallurgy	●	◎	✖	●	●
H 钛/高温合金/碳纤维 Titanium/Superalloy/Carbon Fiber	●	◎	✖	●	●



内孔车刀 (Internal Toolholder): B121-B122

用途 Application	规格型号 Specification		切深 Depth Hmin	螺距 Pitch (tpi)	尺寸 Dimension (mm)						材料兼容性							
	[IR]	[IL]			φd	L	a	S	F	PCD				Material				
										CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP150	ZP680	ZM856	ZM860
内螺纹加工 Internal thread processing	16IR 10APIRD 8APIRD	16IL 10APIRD 8APIRD	1.41	10	9.525	16	1.47"	1.2	1.4									
			1.81	8			1.3	1.5										

内孔车刀 (Internal Toolholder): B127-B128

用途 Application	尺寸标示 Dimensioning	规格型号 Specification	螺距 Pitch (tpi)	齿数	尺寸 Dimension (mm)			材料兼容性									
		22IR 10APIRD-4 8APIRD-3			10 8	4 3	1.47"	0.18 0.32	17.1 17.1	PCD				Material			
										CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP150	ZP680	ZM856
内螺纹加工 Internal thread processing																	

石油管螺纹车刀片

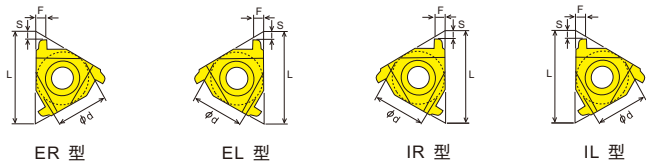
API,BUT,EL Thread Turning Insert

BUT

**梯形
套管
石油管螺纹**

螺纹应用领域：石油梯形套管用螺纹

Thread Application: Thread for petroleum trapezoidal casing



外圆车刀 (External Toolholder): B115

用途 Application	规格型号 Specification		切深 Depth Hmin	螺距 Pitch (mm)	尺寸 Dimension (mm)					PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP150	ZP150	ZP680	ZM856	ZM856	ZM860
	[ER]	[EL]			ϕd	L	a	S	F												
外螺纹加工 External thread processing	22ER 5BUT75	22EL 5BUT75	1.55	5.0	12.7	22	0.75°	3.1	1.9	●	●	●	●	●	●	●	●	●	●	●	●
	5BUT1	5BUT1	1.55	5.0	12.7	22	1°	3.1	1.9												

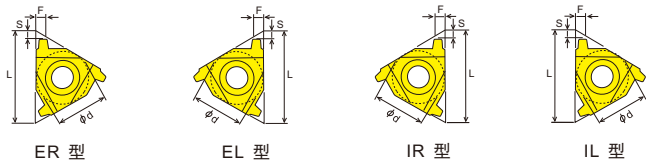
外圆车刀 (External Toolholder): B126

用途 Application	尺寸标示 Dimensioning	规格型号 Specification	螺距 Pitch (tpi)	尺寸 Dimension (mm)			PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP150	ZP150	ZP680	ZM856	ZM856	ZM860
				齿数	a	X												
外螺纹加工 External thread processing		22ER 5BUT75-2	5	2	0.75°	2.05	16.8	●	●	●	●	●	●	●	●	●	●	●
外螺纹加工 External thread processing		27ER 5BUT75-3	5	3	0.75°	2.46	21.9	●	●	●	●	●	●	●	●	●	●	●

EL
**直线型
套管
石油管螺纹**

螺纹应用领域：石油直线型套管用螺纹

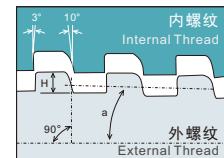
Thread Application: Thread for linear casing



外圆车刀 (External Toolholder): B115

用途 Application	规格型号 Specification		切深 Depth Hmin	螺距 Pitch (mm)	尺寸 Dimension (mm)					PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP150	ZP150	ZP680	ZM856	ZM856	ZM860
	[ER]	[EL]			ϕd	L	a	S	F												
外螺纹加工 External thread processing	22ER 6EL15	22EL 6EL15	1.21	6.0	12.7	22	1.5°	1.9	1.9	●	●	●	●	●	●	●	●	●	●	●	●
	5EL125	5EL125	1.71	5.0	12.7	22	1.25°	2.3	2.4												

Material 材质	切削形态: Cutting Environment	● 稳定切削 Stable Cutting ● 一般切削 General Cutting	● 一般切削(第二推荐) General Cutting(Second recommend)	✘ 不稳定切削 Unstable Cutting	PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP150	ZP150	ZP680	ZM856	ZM856	ZM860
P	钢	●	●	✘	●	●	●	●	●	●	●	●	●	●	●	●
M	不锈钢	●	●	✘	●	●	●	●	●	●	●	●	●	●	●	●
K	铸铁	●	●	✘	●	●	●	●	●	●	●	●	●	●	●	●
N	铝/铜/镁/锌/塑料/木材	●	●	✘	●	●	●	●	●	●	●	●	●	●	●	●
S	硬质合金/粉末冶金	●	●	✘	●	●	●	●	●	●	●	●	●	●	●	●
H	钛/高温合金/碳纤维	●	●	✘	●	●	●	●	●	●	●	●	●	●	●	●



刀片规格 Inserts	适用螺纹管规格 Applicable specification of threaded pipe
5BUT75	4-1/2"-13-3/8"
5BUT1	16"-20"

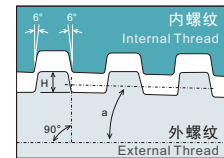
内孔车刀 (Internal Toolholder): B121-B122

用途 Application	规格型号 Specification		切深 Depth Hmin	螺距 Pitch (mm)	尺寸 Dimension (mm)					PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP150	ZP150	ZP680	ZM856	ZM856	ZM860
	[IR]	[IL]			ϕd	L	a	S	F												
内螺纹加工 Internal thread processing	22IR 5BUT75	22IL 5BUT75	1.55	5.0	12.7	22	0.75°	2.8	1.9	●	●	●	●	●	●	●	●	●	●	●	●
	5BUT1	5BUT1	1.55	5.0	12.7	22	1°	2.8	1.9												

内孔车刀 (Internal Toolholder): B127-B128

用途 Application	尺寸标示 Dimensioning	规格型号 Specification	螺距 Pitch (tpi)	尺寸 Dimension (mm)			PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP150	ZP150	ZP680	ZM856	ZM856	ZM860
				齿数	a	X												
内螺纹加工 Internal thread processing		22IR 5BUT75-2	5	2	0.75°	1.14	16.65	●	●	●	●	●	●	●	●	●	●	●
内螺纹加工 Internal thread processing		27IR 5BUT75-3	5	3	0.75°	2.46	21.9	●	●	●	●	●	●	●	●	●	●	●

Material 材质	切削形态: Cutting Environment	● 稳定切削 Stable Cutting ● 一般切削 General Cutting	● 一般切削(第二推荐) General Cutting(Second recommend)	✘ 不稳定切削 Unstable Cutting	PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP150	ZP150	ZP680	ZM856	ZM856	ZM860
P	钢	●	●	✘	●	●	●	●	●	●	●	●	●	●	●	●
M	不锈钢	●	●	✘	●	●	●	●	●	●	●	●	●	●	●	●
K	铸铁	●	●	✘	●	●	●	●	●	●	●	●	●	●	●	●
N	铝/铜/镁/锌/塑料/木材	●	●	✘	●	●	●	●	●	●	●	●	●	●	●	●
S	硬质合金/粉末冶金	●	●	✘	●	●	●	●	●	●	●	●	●	●	●	●
H	钛/高温合金/碳纤维	●	●	✘	●	●	●	●	●	●	●	●	●	●	●	●



刀片规格 Inserts	适用螺纹管规格 Applicable specification of threaded pipe
6EL15	5"-7-5/8"
5EL125	8-5/8"-10-3/4"

内孔车刀 (Internal Toolholder): B121-B122

用途 Application	规格型号 Specification		切深 Depth Hmin	螺距 Pitch (mm)	尺寸 Dimension (mm)					PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP150	ZP150	ZP680	ZM856	ZM856	ZM860
	[IR]	[IL]			ϕd	L	a	S	F												
内螺纹加工 Internal thread processing	22IR 6EL15	22IL 6EL15	1.39	6.0	12.7	22	1.5°	1.8	1.9	●	●	●	●	●	●	●	●	●	●	●	●
	5EL125	5EL125	1.91	5.0	12.7	22	1.25°	2.2	2.4												

数控
刀片

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浅槽
TGF
GBA
T.N/E

小
零件
CTP
TKF

切槽
切断
MG.
MR.
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ABS
TBP
TKFB

内孔
切槽
GER
GR

螺纹
车削
刀片

铣削
刀片

铣削刀片

CNC Milling Inserts CNC Cutting Tools

数控刀片

切削形态: ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ✳ 不稳定切削 Unstable Cutting

应用	产品图片	几何尺寸	规格型号	尺寸 Dimension (mm)						配套刀柄	适用材料
				r _E	A	B	T	L	a		
P	钢	Steel								●●●●●●●●	
M	不锈钢	Stainless Steel								●●●●●●●●	
K	铸铁	Iron								●●●●●●●●	
N	铝/铜/镁/锌/塑料/木材	Aluminum/Copper/Magnesium/Zinc/Plastic/Wood								●●●●●●●●	
S	硬质合金/粉末冶金	Carbide/Powder Metallurgy								●●●●●●●●	
H	钛/高温合金/碳纤维	Titanium/Superalloy/Carbon Fiber								●●●●●●●●	
直角台肩铣削 Right Angle Milling			APKT 1135PDER-G2 1604PDER-G2	0.8 0.8	11 16.5	6.35 9.525	3.5 4.76			●●●●●●●●	
直角台肩铣削 Right Angle Milling			APKT 160402-AL 160404-AL 160408-AL	0.2 0.4 0.8	16.5 16.5 16.5	9.525 9.525 9.525	4.76 4.76 4.76			●●●●●●●●	
直角台肩铣削 Right Angle Milling			APKT 113502 113504 113508 160402 160404 160408	0.2 0.4 0.8 0.2 0.4 0.8	11 11 11 16.5 16.5 16.5	6.35 6.35 6.35 9.525 9.525 9.525	3.5 3.5 3.5 4.76 4.76 4.76			●●●●●●●●	
直角台肩铣削 Right Angle Milling			APKT 113502 113504 113508 160402 160404 160408	0.2 0.4 0.8 0.2 0.4 0.8	11 11 11 16.5 16.5 16.5	6.35 6.35 6.35 9.525 9.525 9.525	3.5 3.5 3.5 4.76 4.76 4.76			●●●●●●●●	
直角台肩铣削 Right Angle Milling			APMT 1135PDER-M2 1604PDER-M2	0.8 0.8	11 16.5	6.35 9.525	3.5 4.76			●●●●●●●●	
直角台肩铣削 Right Angle Milling			APMT 1135PDER-H1 1135PDER-H2 1135PDER-H3 1135PDER-H4 1135PDER-H6 1604PDER-H1 1604PDER-H2 1604PDER-H3 1604PDER-H4 1604PDER-H6 1604PDER-H8	0.4 0.8 1.2 1.6 2.4 0.4 0.8 1.2 1.6 2.4 3.2	11 11 11 11 11 16.5 16.5 16.5 16.5 16.5 16.5	6.35 6.35 6.35 6.35 6.35 9.525 9.525 9.525 9.525 9.525 9.525	3.5 3.5 3.5 3.5 3.5 4.76 4.76 4.76 4.76 4.76 4.76		●●●●●●●●		
直角台肩铣削 Right Angle Milling			APMT 1135PDER-DU 1604PDER-DU	0.8 0.8	11 16.5	6.35 9.525	3.5 4.76			●●●●●●●●	
直角台肩铣削 Right Angle Milling			APMT 1135PDER-KZ 1604PDER-KZ	0.8 0.8	11 16.5	6.35 9.525	3.5 4.76			●●●●●●●●	
直角台肩铣削 Right Angle Milling			APMT 1135PDER-ZM 1604PDER-ZM	0.8 0.8	11 16.5	6.35 9.525	3.5 4.76			●●●●●●●●	
直角台肩铣削 Right Angle Milling			R390- 11T304M-PM 11T308M-PM 11T316M-PM 11T331M-PM 170404M-PM 170408M-PM 170416M-PM 170431M-PM	0.4 0.8 1.6 3.1 0.4 0.8 1.6 3.1	10 10 10 10 15.7 15.7 15.7 15.7	6.8 6.8 6.8 6.8 9.6 9.6 9.6 9.6	3.59 3.59 3.59 3.59 4.76 4.76 4.76 4.76		●●●●●●●●		

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TGF
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T.N/E

小零件
CTP
TKF

切槽
切边
MR.
SP.
GM.
TD.

后车削
ABS
TBP
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螺纹车削
刀片

铣削刀片

数控
刀片

切削形态: ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ✖ 不稳定切削 Unstable Cutting

Application 用途	Product Image 产品图片	Dimensioning 几何尺寸	Specification 规格型号	Dimension (mm) 尺寸						Matching Toolholder 配套刀柄	Cutting Environment 切削环境					
				rE	A	B	T	L	a		P	M	K	N	S	H
直角台肩铣削 Right Angle Milling			RT 070204R-81 100304R-81 100304R-31 100308R-81	0.4 0.4 0.4 0.8	6.4 11 11 11	4.3 6.35 6.35 6.35	2.38 3.4 3.4 3.4	1.3 1.8 1.8 1.8	1.5 2.1 2.1 2.1	刀柄: (Toolholder) D25-D26	●●●● ●●●● ●●●● ●●●●	●●●● ●●●● ●●●● ●●●●	●●●● ●●●● ●●●● ●●●●	●●●● ●●●● ●●●● ●●●●		
直角台肩铣削 Right Angle Milling			XOMX 060208FR-E03 060208R-M05 090308FR-E05 120408TR-M06	0.8 0.8 0.8 0.8	6.94 6.94 10.8 11.41	4.09 4.09 6.35 8.18	2.45 2.45 3.65 4.15			刀柄: (Toolholder) D26	●●●● ●●●● ●●●● ●●●●	●●●● ●●●● ●●●● ●●●●	●●●● ●●●● ●●●● ●●●●	●●●● ●●●● ●●●● ●●●●		
直角台肩铣削 Right Angle Milling			AOMT 123602PEER-M 123604PEER-M 123608PEER-M 123612PEER-M 123616PEER-M 123620PEER-M 123624PEER-M 123632PEER-M	0.2 0.4 0.8 1.2 1.6 2.0 2.4 3.2	12	6.6	3.6			刀柄: (Toolholder) D27	●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●●	●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●●	●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●●	●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●●		
直角台肩铣削 Right Angle Milling			SEET 09T308PER-PF 09T308PER-PM 09T308PER-PR SEET 120308PER-PF 120308PER-PM 120308PER-PR	0.8 0.8 0.8 0.8 0.8 0.8	9.525 9.525 9.525 13.308 13.308 13.308	9.525 9.525 9.525 13.308 13.308 13.308	4.01 4.01 4.01 4.04 4.04 4.04			刀柄: (Toolholder) D28	●●●● ●●●● ●●●● ●●●● ●●●● ●●●●	●●●● ●●●● ●●●● ●●●● ●●●● ●●●●	●●●● ●●●● ●●●● ●●●● ●●●● ●●●●	●●●● ●●●● ●●●● ●●●● ●●●● ●●●●		
直角台肩铣削 Right Angle Milling			APET 120202SR 120204SR 120208SR APNT 120208SR ADET 160302SR 160304SR 160308SR ADNT 160308SR	0.2 0.4 0.8 0.8 0.2 0.4 0.8 0.8	12.7 12.7 12.7 12.7 15.875 15.875 15.875 15.875	7.938 7.938 7.938 7.938 9.525 9.525 9.525 9.525	2.5 2.5 2.5 2.5 3.18 3.18 3.18 3.18		11° 11° 11° 11° 15° 15° 15° 15°	刀柄: (Toolholder) D29,D63	●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●●	●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●●	●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●●	●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●●		
直角台肩铣削 Right Angle Milling			AXMT 0602PER-EM 060204R-EM 060208R-EM 060216R-EM	0.2 0.4 0.8 1.6	6 6 6 6	4.15 4.15 4.15 4.15	2.6 2.6 2.6 2.6	1.0 1.0 1.0 1.0	5.75 5.75 5.75 5.75	刀柄: (Toolholder) D30	●●●● ●●●● ●●●● ●●●●	●●●● ●●●● ●●●● ●●●●	●●●● ●●●● ●●●● ●●●●	●●●● ●●●● ●●●● ●●●●		
直角台肩铣削 Right Angle Milling			AXMT 0903PER-ML 0903PER-EML 090308R-EML 090316R-ML 090320R-EML 090332R-EML	0.4 0.4 0.8 1.6 2.0 3.2	9.5 9.5 9.5 9.5 9.5 9.5	6.21 6.21 6.21 6.21 6.21 6.21	3.6 3.6 3.6 3.6 3.6 3.6	1.4 0.84 - - - -	8.8 8.8 8.8 8.8 8.8 8.8	刀柄: (Toolholder) D30	●●●● ●●●● ●●●● ●●●● ●●●● ●●●●	●●●● ●●●● ●●●● ●●●● ●●●● ●●●●	●●●● ●●●● ●●●● ●●●● ●●●● ●●●●	●●●● ●●●● ●●●● ●●●● ●●●● ●●●●		
直角台肩铣削 Right Angle Milling			AXCT 060202R-AL 060204R-AL 0903PER-AL	0.2 0.4 0.4	6 6 9.5	4.15 4.15 6.21	2.6 2.6 3.6	0.83 0.83 0.83	5.75 5.75 8.8	刀柄: (Toolholder) D30	●●●● ●●●● ●●●●	●●●● ●●●● ●●●●	●●●● ●●●● ●●●●	●●●● ●●●● ●●●●		
平面铣削 / 倒角加工 Plane milling / chamfering			TPKN 110304 110308 160304 160308 220404 220408 220412 2204PDR	0.4 0.8 0.4 0.8 0.4 0.8 1.2 -	11 11 16.5 16.5 22 22 22 22	6.35 6.35 9.525 9.525 12.7 12.7 12.7 12.7	3.18 3.18 3.18 3.18 4.76 4.76 4.76 4.76			刀柄: (Toolholder) D31,D60	●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●●	●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●●	●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●●	●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●●		
平面铣削 / 倒角加工 Plane milling / chamfering			TPMR 090204 110304 110308 160304 160308 160312 220412 330916	0.4 0.4 0.8 0.4 0.8 1.2 1.2 1.6	9.6 11 11 16.5 16.5 22 22 33	5.56 6.35 6.35 9.525 9.525 9.525 12.7 19.05	2.38 3.18 3.18 3.18 3.18 3.18 4.76 9.52			刀柄: (Toolholder) D31,D60	●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●●	●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●●	●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●●	●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●●		

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CNC Milling Inserts CNC Cutting Tools

切削形态: ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ✖ 不稳定切削 Unstable Cutting

Application 用途	Product Image 产品图片	Dimensioning 几何尺寸	Specification 规格型号	Dimension (mm) 尺寸						Matching Toolholder 配套刀柄	PCD CBN-K CBN-S ZN60 ZK01 ZK05 ZK08 ZP150 ZP152 ZP163
				rℓ	A	B	T	L	a		
圆角铣削加工 Fillet milling			RPGT 08T2-AL 1003-AL 10T3-AL 1204-AL	4 5 5 6	8 10 10 12			2.78 3.15 3.97 4.76	11° 11° 11° 11°	刀柄: (Toolholder) D33-D36 T型槽:D74	● ● ●
圆角铣削加工 Fillet milling			RPEW 0802MO 1003MO 1003MO-DU 1204MOF	4 5 5 6	8 10 10 12			2.38 3.15 3.97 4.76	11° 11° 11° 11°	刀柄: (Toolholder) D33-D36 T型槽:D74	● ● ● ● ● ● ● ●
圆角铣削加工 Fillet milling			RPKT 10T3MOF 1204MOF	5 6	10 12			3.97 4.76	11° 11°	刀柄: (Toolholder) D33-D36 T型槽:D74	● ● ● ●
圆角铣削加工 Fillet milling			RPKT 10T3MOT 1204MOT	5 6	10 12			3.97 4.76	11° 11°	刀柄: (Toolholder) D33-D36 T型槽:D74	● ● ● ●
圆角铣削加工 Fillet milling			RPMT 08T2MOE-JS 1003MOE-JS 10T3MOE-JS 1204MOE-JS	4 5 5 6	8 10 10 12			2.78 3.18 3.97 4.76	11° 11° 11° 11°	刀柄: (Toolholder) D33-D36 T型槽:D74	● ● ● ● ● ●
圆角铣削加工 Fillet milling			RPMT 10T3MO-DU 1204MO-DU	5 6	10 12			3.97 4.76	11° 11°	刀柄: (Toolholder) D33-D36 T型槽:D74	● ● ● ●
圆角铣削加工 Fillet milling			RPMT 08T2MO-GH 10T3MO-GH 1204MO-GH	4 5 6	8 10 12			2.78 3.97 4.76	11° 11° 11°	刀柄: (Toolholder) D33-D36 T型槽:D74	● ● ● ● ● ●
圆角铣削加工 Fillet milling			RCGT 0602-AL 0803-AL 1003-AL 10T3-AL 1204-AL	3 4 5 5 6	6 8 10 10 12			2.38 3.15 3.15 3.97 4.76	7° 7° 7° 7° 7°	刀柄: (Toolholder) D37-D38 T型槽:D74	● ● ● ●
圆角铣削加工 Fillet milling			RCKT 10T3MO-PM 1204MO-PM 1606MO-PM 2006MO-PM	5 6 8 10	10 12 16 20			3.97 4.76 6.35 6.35	7° 7° 7° 7°	刀柄: (Toolholder) D37-D38 T型槽:D74	● ● ● ● ● ● ● ●
圆角铣削加工 Fillet milling			RCKT 10T3MO-PR 1204MO-PR 1606MO-PR 2006MO-PR	5 6 8 10	10 12 16 20			3.97 4.76 6.35 6.35	7° 7° 7° 7°	刀柄: (Toolholder) D37-D38 T型槽:D74	● ● ● ● ● ● ● ●

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切削形态: ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ✘ 不稳定切削 Unstable Cutting

应用 用途	产品图片 Product Image	几何尺寸 Dimensioning	规格型号 Specification	尺寸 Dimension (mm)						配套刀柄 Matching Toolholder	应用 应用
				rE	A	B	T	L	a		
圆角铣削加工 File milling			RCMT 0803MO 1003MO 10T3MO 1204MO 1606MO 2006MO	4 5 5 6 8 10	8 10 10 12 16 20			3.18 3.18 3.97 4.76 6.35 6.35	7° 7° 7° 7° 7° 7°	刀柄: (Toolholder) D37-D38 T型槽:D74	● ●
圆角铣削加工 File milling			RCMX 0803MO 1003MO 10T3MO 1204MO 1606MO 2006MO 2507MO 3209MO	4 5 5 6 8 10 12.5 16	8 10 10 12 16 20 25 32			3.18 3.18 3.97 4.76 6.35 6.35 7.94 9.52	7° 7° 7° 7° 7° 7° 7° 7°	刀柄: (Toolholder) D37-D38 T型槽:D74	● ●
圆角铣削加工 File milling			RDKW 0501MO 0702MO 0803MO 10T3MO 1204MO 1604MO 1605MO 1606MO 2006MO	2.5 3.5 4 5 6 8 8 10	5 7 8 10 12 16 16 20			1.59 2.38 3.15 3.97 4.76 4.76 5.56 6.35 6.35	15° 15° 15° 15° 15° 15° 15° 15° 15°	刀柄: (Toolholder) D39-D41	● ●
圆角铣削加工 File milling			RDKX 10T3MO 1204MO 1605MO	5 6 8 10	10 12 16 20			3.97 4.76 6.35 6.35	15° 15° 15° 15°	刀柄: (Toolholder) D39-D41	● ●
圆角铣削加工 File milling			RDKX 10T3MP-1 1204MP-1	5 6	10 12			3.97 4.76	15° 15°	刀柄: (Toolholder) D39-D41	● ● ● ● ● ● ● ● ● ● ● ●
圆角铣削加工 File milling			RDMW 10T3MOT-PM 1204MOT-PM 1605MOT-PM	5 6 8	10 12 16			3.97 4.76 5.56	15° 15° 15°	刀柄: (Toolholder) D39-D41	● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●
圆角铣削加工 File milling			RDMT 10T3MO 1204MO	5 6	10 12			3.97 4.76	15° 15°	刀柄: (Toolholder) D39-D41	● ● ● ● ● ● ● ● ● ● ● ●
平面铣削加工 Surface milling			RNGJ 1204M0ELD 1204M0SGD 1204M0SHD	6	12			4.75		刀柄: (Toolholder) D42	● ● ● ● ● ● ● ● ● ● ● ●
球头仿形粗铣加工 Rough milling of ball head profiling			ZCET 080CE 主刃 ZCET 100CE ZCEW 100CE ZCET 125CE ZCEW 125CE ZCET 150CE ZCEW 150CE ZCET 160CE ZCEW 200CE ZCET 080SE 副刃 ZCET 100SE ZCEW 100SE ZCET 125SE ZCEW 125SE ZCET 150SE ZCEW 150SE ZCET 160SE ZCEW 200SE CPMT 080204 外周刃 CPMT 090308	8 10 10 12.5 12.5 15 15 16 20 8 10 10 12.5 12.5 15 16 20 0.4 0.8	15.6 18.3 18.3 23.1 23.1 28.3 28.3 28.8 35.4 16.8 16.7 16.7 20.8 20.8 25.7 25.7 28.3 31.9 7.94 9.525	7.9 10 10 12.3 12.3 14.9 14.9 15.4 20.1 5.9 8.1 8.1 9.3 9.3 11.8 11.8 12.4 15.7 7.94 9.525	3.97 4.74 4.74 6.1 6.1 7.59 7.59 7.45 8.0 3.43 4.24 4.24 5.4 5.4 7.09 7.09 6.98 7.0 2.38 3.18		刀柄: (Toolholder) D43	● ●	

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切削形态: ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ✖ 不稳定切削 Unstable Cutting

Application 用途	Product Image 产品图片	Dimensioning 几何尺寸	Specification 规格型号	Dimension (mm) 尺寸						Matching Toolholder 配套刀柄	PCD CBN-K CBN-S ZN60 ZK01 ZK05 ZP150 ZP152 ZP153
				rℓ	A	B	T	L	a		
平面铣削 / 倒角加工 Planar milling / chamfering			ADMT 080308L	0.8	7.8	6.2	3.0		15	D54	● ● ● ● ● ●
			100308L	0.8	10.4	6.35	3.18		15		● ● ● ● ● ●
			12T308L	0.8	12.6	7.93	3.9		15		● ● ● ● ● ●
			APMT 160408L	0.8	16.45	9.53	4.76		11		● ● ● ● ● ●
			170408L	0.8	17.6	9.53	4.76		11		● ● ● ● ● ●
			190508L	0.8	19.6	10	5.0		11		● ● ● ● ● ●
250508L	0.8	25.4	11	5.5		11	● ● ● ● ● ●				
平面铣削 / 倒角加工 Planar milling / chamfering			APMT 090208R	0.8	9.1	5.1	2.6		11	D54	● ● ● ● ● ●
			ACMT 100308R	0.8	10.1	6.35	3.4		7		● ● ● ● ● ●
			APMT 100320R	2.0	10.1	6.35	3.4		7		● ● ● ● ● ●
			12T308R	0.8	13.14	7.93	3.9		11		● ● ● ● ● ●
			12T320R	2.0	13.14	7.93	3.9		11		● ● ● ● ● ●
			12T330R	3.0	13.14	7.93	3.9		11		● ● ● ● ● ●
150408R	0.8	15.88	9.53	4.76		11	● ● ● ● ● ●				
150430R	3.0	15.88	9.53	4.76		11	● ● ● ● ● ●				
平面铣削 / 倒角加工 Planar milling / chamfering			CCMT 060204	0.4	6.35		2.38			D53	● ● ● ● ● ●
			09T304	0.4	9.525		3.9				● ● ● ● ● ●
			09T308	0.8	9.525		3.9				● ● ● ● ● ●
			CPMT 090308	0.8	9.525		3.15				● ● ● ● ● ●
			120408	0.8	12.7		4.76				● ● ● ● ● ●
			120430	3.0	12.7		4.76				● ● ● ● ● ●
平面铣削 / 倒角加工 Planar milling / chamfering			CPMT 080204Z	0.4	7.94		2.38			D53	● ● ● ● ● ●
			090204Z	0.4	9.525		2.38				● ● ● ● ● ●
			120308Z	0.8	12.7		3.15				● ● ● ● ● ●
			160408Z	0.8	15.875		4.76				● ● ● ● ● ●
			160430Z	3.0	15.875		4.76				● ● ● ● ● ●
			190408Z	0.8	19.05		4.76				● ● ● ● ● ●
190430Z	3.0	19.05		4.76			● ● ● ● ● ●				
定位定点倒角加工 Positioning point chamfering			TCMX 090204	0.4	8.6	5.56	2.38			D55	● ● ● ● ● ●
			110204	0.4	10	6.35	2.38				● ● ● ● ● ●
			16T304	0.4	15.5	9.525	2.38				● ● ● ● ● ●
倒角加工 Chamfering			TCMT 090204	0.4	8.6	5.56	2.38			D61-D62	● ● ● ● ● ●
			110204	0.4	10	6.35	2.38				● ● ● ● ● ●
			16T304	0.4	15.5	9.525	2.38				● ● ● ● ● ●
直角台肩铣削 Right angle milling			SPMW 090304	0.4	9.525	9.525	3.18		11°	D59	● ● ● ● ● ●
			SDMB 26152	0.4	8.3	8.3	2.5		15°		● ● ● ● ● ●
铣削刀片 Milling inserts			APKT 150412-PM	1.2	16.33	12.7	4.76			D71-D72	● ● ● ● ● ●
			150412-KM	1.2	16.33	12.7	4.76				● ● ● ● ● ●
			LPMT 150412-PM	1.2	16.33	12.7	4.76				● ● ● ● ● ●
			150412-KM	1.2	16.33	12.7	4.76				● ● ● ● ● ●
铣削刀片 Milling inserts			SPMT 120408-PM	0.8	12.7	12.7	4.76			D71-D72	● ● ● ● ● ●
			120408-KM	0.8	12.7	12.7	4.76				● ● ● ● ● ●
铣削刀片 Milling inserts			MPHT 060304-DM	0.4	6.35	6.35	3.18			D75-D76	● ● ● ● ● ●
			080305-DM	0.5	8.3	8.3	3.18				● ● ● ● ● ●
			120408-DM	0.8	12.7	12.7	4.76				● ● ● ● ● ●

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铣削刀片

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铣削刀片

CNC Milling Inserts CNC Cutting Tools

切削形态: ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ✖ 不稳定切削 Unstable Cutting

Application 用途	Product Image 产品图片	Dimensioning 几何尺寸	Specification 规格型号	Dimension (mm) 尺寸						Matching Toolholder 配套刀柄	Material 材料															
				rℓ	A	B	T	L	a		P	M	K	N	S	H	PCD	CBN-K	CBN-S	ZN60	ZK01	ZN20S	ZP150	ZP152	ZP153	ZP163
铣削刀片 Milling inserts			SPMG 050204-TT 060204-TT 07T308-TT 090408-TT 110408-TT 140512-TT	0.4 0.4 0.8 0.8 0.8 1.2	5.0 6.0 7.94 9.8 11.5 14.3	5.0 6.0 7.94 9.8 11.5 14.3	2.38 2.38 3.97 4.30 4.8 5.0																			
铣削刀片 Milling inserts			XSEQ 1202 1203 12T3 1204 12T4		12.7 12.7 12.7 12.7 12.7	12.7 12.7 12.7 12.7 12.7	2.3 3.0 3.5 4.0 4.5																			
切槽刀片 Grooving inserts			TGF32L 150 200 250 300 350 更多规格 More Type A25	0.1 0.15 0.15 0.15 0.15	16	2.0 2.8 2.8 2.8 2.8	3.18		1.5 2.0 2.5 3.0 3.5																	
切槽刀片 Grooving inserts			TGF32L 150-R0.75 200-R1.0 250-R1.25 300-R1.5 更多规格 More Type A25	0.75 1.0 1.25 1.5	16	2.0 2.8 2.8 2.8	3.18		R0.75 R1.0 R1.25 R1.5																	
切槽刀片 Grooving inserts			TT43L 200 250 300 350 400 500	0.2 0.2 0.2 0.2 0.2 0.2	22	4.8	5.0		2.0 2.5 3.0 3.5 4.0 5.0																	
切槽刀片 Grooving inserts			TT43L 200-R1.0 250-R1.25 300-R1.5 350-R1.75 400-R2.0 500-R2.5	1.0 1.25 1.5 1.75 2.0 2.5	22	4.8	5.0		R1.0 R1.25 R1.5 R1.75 R2.0 R2.5																	
高进给铣削加工 High feed milling			JOMW 06T215ZZSR-FT 080320ZZSR-FT JDMW 09T320ZDSR-FT 120420ZDSR-FT 140520ZDSR-FT	1.5 2.0 2.0 2.0 2.0	6.35 8.0 9.525 12.0 14.0	2.78 3.18 3.97 4.76 5.56	13° 13° 15° 15° 15°																			
高进给铣削加工 High feed milling			JOMT 06T215ZZSR-JM 080320ZZSR-JM JDMT 09T320ZDSR-JM 120420ZDSR-JM 140520ZDSR-JM	1.5 2.0 2.0 2.0 2.0	6.35 8.0 9.525 12.0 14.0	2.78 3.18 3.97 4.76 5.56	13° 13° 15° 15° 15°																			
高进给铣削加工 High feed milling			EPNW 0603TN-8 EPMT 0603TN-8 EDNW 12T3TN-10 EDMT 12T3TN-10	8 8 10 10	10 12 10 12	6.35 6.35 10 10	3.18 3.18 3.97 3.97	11° 11° 15° 15°																		
高进给铣削加工 High feed milling			EPNW 0803TN-10 EDNW 10T3TN-10 SDNW 1205ZDTN-R15 SDMT 1205ZDTN-R15 EDNW 13T4TN-10 13T4TN-15 SDNW 1505ZDTN-R15 SDMT 1505ZDTN-R15 带修光刃 1505ZDTN-C15	10 10 15 15 10 15 15 15 15	8.1 10 12.7 12.7 10 13.5 13.5 15.875 15.875 15.875	8.1 10 12.7 12.7 13.5 13.5 15.875 15.875 15.875	3.18 3.18 5.56 5.56 5.56 5.56 5.56 5.56 5.56	11° 15° 15° 15° 15° 15° 15° 15° 15°																		

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CNC Milling Inserts CNC Cutting Tools

切削形态: ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ✖ 不稳定切削 Unstable Cutting

应用 用途	产品图片 Product Image	几何尺寸 Dimensioning	规格型号 Specification	尺寸 Dimension (mm)					配套刀柄 Matching Toolholder	应用范围	
				rℓ	A	B	T	L			a
平面铣削加工 Surface milling			SEHT 1204AFSN	-	12.7	2.66	4.76	5.56	20°	刀柄: (Toolholder) D114-D115	●●●●
平面铣削加工 Surface milling			SEHT 1204-AK	-	12.7	2.66	4.76	5.56	20°	刀柄: (Toolholder) D114-D115	●
平面铣削加工 Surface milling			SEHT 1204	-	12.7	2.66	4.76	5.56	20°	刀柄: (Toolholder) D114-D115	●
平面铣削加工 Surface milling			SEHT 1204	-	12.7	2.66	4.76	5.56	20°	刀柄: (Toolholder) D114-D115	●●
平面铣削加工 Surface milling			SDKN 1203AETN 1504AETN SEEN 1203AFTN1 1504AFTN1 SEKN 1203AFTN1 1504AFTN1 SPKN 1203EDR	- - 1.0 1.0 - - -	12.7 15.875 12.7 15.875 12.7 15.875 12.7	1.7 1.7 1.4 1.4 1.4 1.4 1.4	3.18 4.76 3.18 4.76 3.18 4.78 3.18	15° 15° 20° 20° 20° 20° 11°	刀柄: (Toolholder) D116-D117	●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●●	
平面铣削加工 Surface milling			SEKR 1203AFEN-JS 1504AFEN-JS	1.0 1.0	12.7 15.875	1.4 1.4	3.18 4.76	20° 20°	刀柄: (Toolholder) D116-D117	●● ●● ●● ●●	

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切削形态: ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ✖ 不稳定切削 Unstable Cutting

应用	产品图片	几何尺寸	规格型号	尺寸 Dimension (mm)					配套刀柄	PCD CBN-K ZN60 ZK01 ZN200 ZP150 ZP152 ZP153 ZP.P.163
				rℓ	A	B	T	L		
钻削 应用	钻头刀片		WCMX 030208-SU 040208-SU 050308-SU 06T308-SU 080412-SU	0.8 0.8 0.8 0.8 1.2	5.56 6.35 7.94 9.525 12.7	3.8 4.3 5.4 6.5 8.7	2.38 2.38 3.18 3.97 4.76	2.8 3.1 3.2 3.7 4.3	刀柄: (Toolholder) K05-K06 K19-K20	
钻削 应用	钻头刀片		WCMX 030208-ZK 040208-ZK 050308-ZK 06T308-ZK 080412-ZK	0.8 0.8 0.8 0.8 1.2	5.56 6.35 7.94 9.525 12.7	3.8 4.3 5.4 6.5 8.7	2.38 2.38 3.18 3.97 4.76	2.8 3.1 3.2 3.7 4.3	刀柄: (Toolholder) K05-K06 K19-K20	
钻削 应用	钻头刀片		WCMX 030208 040208 050308 06T308 080412	0.8 0.8 0.8 0.8 1.2	5.56 6.35 7.94 9.525 12.7	3.8 4.3 5.4 6.5 8.7	2.38 2.38 3.18 3.97 4.76	2.8 3.1 3.2 3.7 4.3	刀柄: (Toolholder) K05-K06 K19-K20	
钻削 应用	钻头刀片		SPMG 050204-TT 060204-TT 07T308-TT 090408-TT 110408-TT 140512-TT	0.4 0.4 0.8 0.8 0.8 1.2	5.0 6.0 7.94 9.8 11.5 14.3	5.0 6.0 7.94 9.8 11.5 14.3	2.38 2.38 3.97 4.30 4.8 5.0	2.2 2.6 2.8 4.2 4.4 5.75	刀柄: (Toolholder) K07-K08	
钻削 应用	钻头刀片		SPMG 050204-PM 060204-PM 07T308-PM 090408-PM 110408-PM 140512-PM	0.4 0.4 0.8 0.8 0.8 1.2	5.0 6.0 7.94 9.8 11.5 14.3	5.0 6.0 7.94 9.8 11.5 14.3	2.38 2.38 3.97 4.30 4.8 5.0	2.2 2.6 2.8 4.2 4.4 5.75	刀柄: (Toolholder) K07-K08	
钻削 应用	钻头刀片		SOMT 040202-DP 050204-DP 060204-DP 070306-DP 08T306-DP 09T308-DP 11T308-DP 130408-DP 150510-DP	0.2 0.4 0.4 0.6 0.6 0.8 0.8 0.8 1.0	4.0 4.9 5.7 6.8 7.9 9.2 11.0 12.8 15.0	4.0 4.9 5.7 6.8 7.9 9.2 11.0 12.8 15.0	1.8 2.38 2.38 2.8 3.97 3.97 3.97 4.4 4.8	2.0 2.25 2.6 2.6 2.85 3.8 3.8 4.4 5.4	刀柄: (Toolholder) K09-K10	
钻削 应用	钻头刀片		XOMT 040204-PD 050204-PD 060204-PD 07T205-PD 090305-PD 11T306-PD 130406-PD 15M508-PD 180508-PD	0.4 0.4 0.4 0.5 0.5 0.6 0.6 0.8 0.8	4.9 5.4 6.6 7.8 9.6 11.4 13.6 15.9 18.9	4.3 4.8 5.8 6.9 8.4 10.0 11.9 13.9 16.5	2.4 2.4 2.5 2.8 3.3 4.0 4.5 5.0 5.5	2.3 2.3 2.5 2.8 3.4 4.0 4.5 5.5 6.0	刀柄: (Toolholder) K11-K12	
钻削 应用	钻头刀片		SPMT 040204-PD 050204-PD 060205-PD 07T208-PD 090308-PD 11T308-PD 130410-PD 15M510-PD 180510-PD	0.4 0.4 0.5 0.8 0.8 0.8 1.0 1.0 1.0	4.7 5.1 6.2 7.5 9.2 11.0 13.0 15.2 18.2	4.7 5.1 6.2 7.5 9.2 11.0 13.0 15.2 18.2	2.4 2.4 2.5 2.8 3.3 4.0 4.5 5.0 5.5	2.3 2.3 2.5 2.8 3.4 4.0 4.5 5.5 6.0	刀柄: (Toolholder) K11-K12	

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CNC Drilling Inserts CNC Cutting Tools

切削形态: ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ✘ 不稳定切削 Unstable Cutting

Application		Product Image		Dimensioning		Specification		Dimension (mm)						Matching Toolholder		Cutting Environment																												
用途		产品图片		几何尺寸		规格型号		rE	A	B	T	L	刀柄 (Toolholder)		PCD	CBN-K	CBN-S	ZN60	ZNK01	ZNK05	ZNK08	ZNK10	ZNK15	ZNK20	ZNK25	ZNK30	ZNK35	ZNK40	ZNK45	ZNK50	ZNK55	ZNK60	ZNK65	ZNK70	ZNK75	ZNK80	ZNK85	ZNK90	ZNK95	ZNK100				
Drilling Inserts	钻孔刀片 高速精加工 Drilling Inserts			WDXT 042004-L 052504-L 063006-L 073506-L 094008-L 125012-L 156012-L 186012-L	0.4	4.2	-	2.0	-	-	-	-	刀柄: (Toolholder) K13-K14	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	
					0.4	5.0	-	2.5	-	-	-	-																																
					0.6	6.0	-	3.0	-	-	-	-																																
					0.6	7.5	-	3.5	-	-	-	-																																
					0.8	9.6	-	4.0	-	-	-	-																																
Drilling Inserts	钻孔刀片 中切削加工 Drilling Inserts			WDXT 042004-G 052504-G 063006-G 073506-G 094008-G 125012-G 156012-G 186012-G	0.4	4.2	-	2.0	-	-	-	-	刀柄: (Toolholder) K13-K14	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●		
					0.4	5.0	-	2.5	-	-	-	-																																
					0.6	6.0	-	3.0	-	-	-	-																																
					0.6	7.5	-	3.5	-	-	-	-																																
					0.8	9.6	-	4.0	-	-	-	-																																
Drilling Inserts	钻孔刀片 重粗加工 Drilling Inserts			WDXT 042004-H 052504-H 063006-H 073506-H 094008-H 125012-H 156012-H 186012-H	0.4	4.2	-	2.0	-	-	-	-	刀柄: (Toolholder) K13-K14	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	
					0.4	5.0	-	2.5	-	-	-	-																																
					0.6	6.0	-	3.0	-	-	-	-																																
					0.6	7.5	-	3.5	-	-	-	-																																
					0.8	9.6	-	4.0	-	-	-	-																																
Drilling Inserts	钻孔刀片 GCMT GPMT			GCMT 040204-U2 GPMT 060204-U2 070204-U2 090304-U2 11T308-U2 140408-U2	0.4	5.0	4.7	2.38	-	-	-	-	刀柄: (Toolholder) K15-K16	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	
					0.4	5.56	-	2.38	-	-	-	-																																
					0.4	6.35	-	2.38	-	-	-	-																																
					0.4	7.94	-	3.18	-	-	-	-																																
					0.8	9.525	-	3.97	-	-	-	-																																
					0.8	12.7	-	4.76	-	-	-	-																																
Drilling Inserts	钻孔加工 880			880- 010203H-C-LM 020204H-C-LM 030305H-C-LM 040305H-C-LM 050305H-C-LM 060406H-C-LM 070406H-C-LM 080508H-C-LM 090608H-C-LM	0.3	4.80	-	2.2	-	-	-	-	刀柄: (Toolholder) K15	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	
					0.4	4.90	-	2.4	-	-	-	-																																
					0.5	5.70	-	2.6	-	-	-	-																																
					0.5	6.80	-	2.8	-	-	-	-																																
					0.5	8.40	-	3.0	-	-	-	-																																
					0.6	10.20	-	3.5	-	-	-	-																																
					0.6	12.35	-	4.0	-	-	-	-																																
					0.8	14.85	-	4.5	-	-	-	-																																
0.8	17.90	-	5.5	-	-	-	-																																					
Drilling Inserts	钻孔加工 880			880- 020204H-C-GM 030305H-C-GM 040305H-C-GM 050305H-C-GM 060406H-C-GM 070406H-C-GM 080508H-C-GM 090608H-C-GM	0.4	4.90	-	2.4	-	-	-	-	刀柄: (Toolholder) K15	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●
					0.5	5.70	-	2.6	-	-	-	-																																
					0.5	6.80	-	2.8	-	-	-	-																																
					0.5	8.40	-	3.0	-	-	-	-																																
					0.6	10.20	-	3.5	-	-	-	-																																
					0.6	12.35	-	4.0	-	-	-	-																																
					0.8	14.85	-	4.5	-	-	-	-																																
					0.8	17.90	-	5.5	-	-	-	-																																
Drilling Inserts	钻孔加工 高进给 Deep-feed			880- 010203H-C-GR 020204H-C-GR 030305H-C-GR 040305H-C-GR 050305H-C-GR 060406H-C-GR 070406H-C-GR 080508H-C-GR 090608H-C-GR	0.3	4.80	-	2.2	-	-	-	-	刀柄: (Toolholder) K15	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●
					0.4	4.90	-	2.4	-	-	-	-																																
					0.5	5.70	-	2.6	-	-	-	-																																
					0.5	6.80	-	2.8	-	-	-	-																																
					0.5	8.40	-	3.0	-	-	-	-																																
					0.6	10.20	-	3.5	-	-	-	-																																
					0.6	12.35	-	4.0	-	-	-	-																																
					0.8	14.85	-	4.5	-	-	-	-																																
0.8	17.90	-	5.5	-	-	-	-																																					

880系列快速钻头库存请咨询客服!
880 series quick drill stock please contact customer service!

数控
刀片

CN
DN
RN
KN
175
SN
TN
VN
WN

CC
DC
RC
SC
WB
TB
TC
TP
VB
VC

三角
浅槽
TGF
GBA
T.N/E

小
零件
CTP
TKF

切槽
切断
MG.
MR.
SP.
GM.
TD.

后
车削
ABS
TBP
TKFB

内孔
切槽
T.N/E
GE.
.GR

螺孔
车削
刀片

成形
刀片

车削刀柄

CSV 凸轮 车床 刀具

DS 刀柄

正面 排刀

Y轴 刀柄

前 车削

后 车削

小径 切槽 切断 螺纹

小孔 加工

滚花 成型

焊接 车刀 夹头

外圆 车削


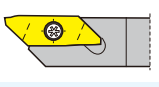
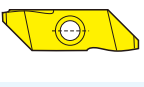
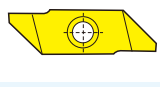
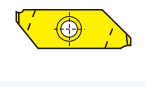
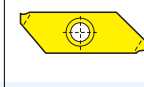
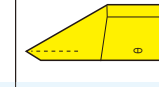
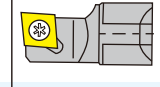
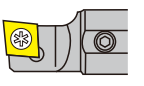
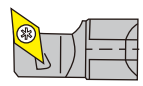

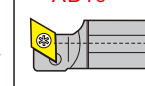

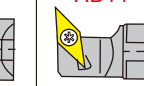


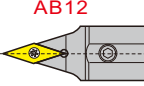




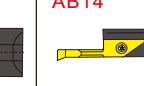
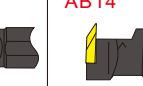







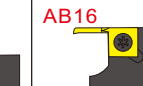







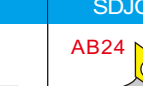
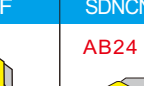

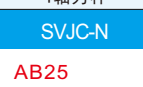
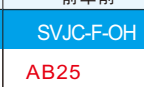

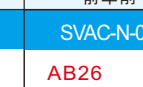
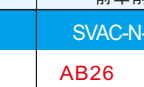
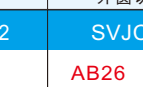
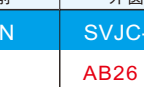
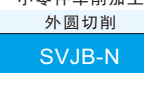
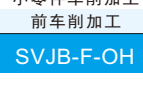
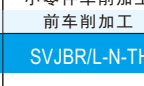
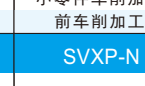
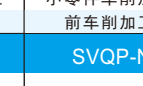




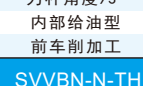
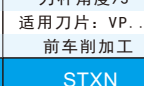
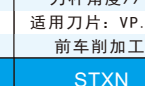
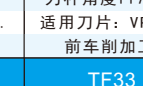
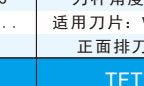


内孔 车削

螺纹 车削

切槽 切断

端面 切槽

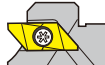



阻尼 模组

CSV	MTPS	MBPS	MBPS	MTPS	MGPS	MTPS	DS-SCLCL
AB06 	AB07 	AB07 	AB07 	AB08 	AB08 	AB08 	AB09 
适用刀片 CSV.. 刀柄尺寸 □7~□12 凸轮车床后车削	小零件加工 放射性刀座 通用刀柄	有排屑槽 PVD硬质合金 后扫刀片	无排屑槽 PVD硬质合金 后扫刀片	镜面抛光 PVD硬质合金 切断刀片	小零件加工 PVD硬质合金 槽刀刀片	小零件加工 PVD硬质合金 螺纹刀片	小零件加工 DS套筒式 外圆/端面车削
DS-SCLCL-ACH	DS-SDXCL	DS-SDUCL	DS-SDUCL-ACH	DS-STXN	DS-SVXBL	DS-SVUB(C)L	DS-SVVPN
AB09 	AB09 	AB10 	AB10 	AB10 	AB11 	AB11 	AB12 
小零件加工 DS套筒式 外圆/端面车削	小零件加工 DS套筒式 外圆/端面车削	小零件加工 DS套筒式 外圆/端面车削	小零件加工 DS套筒式 外圆/端面车削	小零件加工 DS套筒式 外圆/端面车削	小零件加工 DS套筒式 外圆/端面车削	小零件加工 DS套筒式 外圆/端面车削	小零件加工 DS套筒式 端面车削
DS-SVVP-ACH	DS-KTGF	DS-TTPL	DS-KTTXL	DS-LBMB	S-SVNR	DS-TBPL	DS-KTKFL
AB12 	AB13 	A13 	AB13 	AB14 	AB14 	AB14 	AB14 
小零件加工 DS套筒式 调整功能DS刀杆	通用刀片 TGF.. 刀柄尺寸 Ø14~Ø25 DS排刀式切槽/切断	通用刀片 TTP.. 刀柄尺寸 Ø19~Ø25 DS小零件外螺纹	通用刀片 TTX.. 刀柄尺寸 Ø14~Ø25 DS小零件外螺纹	通用刀片 LBM.. 刀柄尺寸 Ø14~Ø25 小径内孔加工	通用刀片 VNB.. 刀柄尺寸 Ø12~Ø25 小径内孔加工	通用刀片 TBP.. 刀柄尺寸 Ø19~Ø25 小零件后车削	通用刀片 TKF.. 刀柄尺寸 Ø19~Ø25 DS排刀式切槽/切断
CH-GTTL	CH-SDUCL	CH-STUCL	CH-SVUPL	SVN	CH-LBML	LBMAR	Y-SDJC-OH2
AB15 	AB15 	AB15 	AB15 	AB16 	AB16 	AB16 	AB17 
通用刀片 GTM.. 刀柄尺寸 □10~□12 小零件后车削	通用刀片 DC.. 刀柄尺寸 □10~□12 侧面排刀外圆及端面	通用刀片 TC.. 刀柄尺寸 □10~□12 侧面排刀外圆及端面	通用刀片 VP.. 刀柄尺寸 □10~□12 侧面排刀外圆及端面	通用刀片 VNB.. 刀柄尺寸 □10~□25 小径内孔加工	通用刀片 LBM.. 刀柄尺寸 □10~□12 小径内孔加工	通用刀片 LBM.. 刀柄尺寸 □10~□16 小径内孔加工	内部给油型 小零件车削加工 Y轴刀杆
Y-SDJC-OH2	Y-TBP-OH	SCLCR-N	SCACR/L-N	SCLC-OH2	SDJC	SDJC-F	SDNCN-N-TH
AB18 	AB19 	AB21 	AB21 	AB22 	AB23 	AB24 	AB24 
内部给油型 小零件车削加工 Y轴刀杆	内部给油型 小零件车削加工 Y轴刀杆	小零件加工 小零件车削加工 前车削	小零件加工 小零件车削加工 前车削	内部给油型 小零件车削加工 前车削	内部给油型 小零件车削加工 前车削	内部给油型 小零件车削加工 外圆切削	内部给油型 小零件车削加工 外圆切削
JSDN3CRL	SVJC-N	SVJC-F-OH	SVAC-N-02	SVAC-N-02	SVAC-N-02	SVJC-N	SVJC-F-OH
AB24 	AB25 	AB25 	AB26 	AB26 	AB26 	AB26 	AB26 
刀杆角度62.5° 小零件车削加工 外圆切削	刀杆角度93° 小零件车削加工 前车削加工	内部给油 小零件车削加工 前车削加工	刀杆角度91° 小零件车削加工 前车削加工	刀杆角度91° 小零件车削加工 前车削加工	刀杆角度91° 小零件车削加工 前车削加工	刀杆角度91° 小零件车削加工 前车削加工	刀杆角度93° 内部给油型 前车削加工
SVJB-N	SVJB-F-OH	SVJBR/L-N-TH	SVXP-N	SVQP-N	CH-SVUP	SVLBR-F	SVPCR-F
AB27 	AB27 	AB29 	AB29 	AB29 	AB29 	AB30 	AB30 
刀杆角度93° 内部给油型 前车削加工	刀杆角度93° 内部给油型 前车削加工	刀杆角度93° 适用刀片: VP... 前车削加工	刀杆角度99° 适用刀片: VP... 前车削加工	刀杆角度117.3° 适用刀片: VP... 前车削加工	刀杆角度52° 适用刀片: VP... 正面排刀用	刀杆角度95° 适用刀片: VB... 前车削加工	刀杆角度117.5° 适用刀片: VB... 前车削加工
SVVBN	SVVBN-N-TH	STXN	STXN	TF33	TFT	TFTR-OH2	SABSR
AB30 	AB30 	AB31 	AB31 	AB32 	AB32 	AB32 	AB34 
刀杆角度72.3° 适用刀片: VB... 前车削加工	刀杆角度72.3° 适用刀片: VB... 前车削加工	刀杆角度72.3° 适用刀片: TN... 前车削加工	刀杆角度91° 适用刀片: TC... 外圆切削	最大切深量5.0 适用刀片: TC... 车削前加工	刀杆尺寸120 不可仿形加工 车削前加工	刀杆尺寸100 内部给油型 车削前加工	适用刀片 ABS.. 刀柄尺寸 □8~□20 小零件后车削

刀具选型

前车削 | 后车削 | 螺纹车削 | 切槽切断

Before turning | After turning | Thread turning | Grooving and Cut-off

SABSSL	TBP-OH	TBP-OH	TBP	TBPSL	TB	TBTR	TBVCR
AB34  适用刀片 ABS... 刀柄尺寸 □10~□25 小零件后车削	AB35  适用刀片 TBP... 内部给油型 背车车削加工	AB35  适用刀片 TBP... 内部给油型 背车车削加工	AB36  适用刀片 TBP... 刀柄尺寸 □10~□20 小零件后车削	AB36  适用刀片 TBP... 刀柄尺寸 □10~□20 小零件后车削	AB37  适用刀片 TB32... 外圆加工 小零件后车削	AB37  适用刀片 TB32... 刀柄尺寸 □8~□12 小零件后车削	AB38  适用刀片 VC... 刀柄尺寸 □10~□20 小零件后车削
CTP(A)R	CTPWR	CTPL-SUB	CTPR-SUB	CTPSL	CTP-OH..	TTPR	TTPR
AB41  适用刀片 CTP... 刀柄尺寸 □8~□25 小零件切断/切槽	AB41  适用刀片 CTP... 刀柄尺寸 □10~□25 小零件切断/切槽	AB41  适用刀片 CTP... 刀柄尺寸 □8~□16 小零件切断/切槽	AB41  适用刀片 CTP... 刀柄尺寸 □8~□12 小零件切断/切槽	AB40  适用刀片 CTP... 刀柄尺寸 □10~□20 排刀式切槽/切断	AB43  适用刀片 CTP... 刀柄尺寸 100 排刀式切槽/切断	AB44  适用刀片 CTP... 切槽/切断/背车车削加工 小零件外螺纹	AB44  适用刀片 TTP... 刀柄尺寸 □8~□20 小零件外螺纹
TKF	TKFB	KTKFR	KTKFSL	KTKFR-SA/SB	KTKFR-JCT	TTP	TTP-OH2
AB45  适用刀片 TKF... 切断/切槽刀片 小零件加工	AB46  适用刀片 TKFB... 后车刀削刀片 外圆加工	AB47  适用刀片 TKF... 刀柄尺寸 □8~□20 小零件后车削	AB47  适用刀片 TKF... 刀柄尺寸 □10~□20 小零件后车削	AB48  适用刀片 TKF... 刀杆长度 120 小零件加工	AB48  适用刀片 TKF... 刀杆长度 120 小零件加工	AB49  公制 ISO-60° 精密螺纹刀片 小零件加工	AB50  适用刀片 TTP... 内冷型螺纹刀片 小零件加工
TTX	KTTXR	KTTXSL	MY-V	SBFR	SBUR	SBPR	2SBTR
AB51  TTX32R 精密螺纹刀片 小零件加工	AB  适用刀片: TTX... 刀柄尺寸 φ120~φ170 小零件加工	AB51  适用刀片: TTX... 刀柄尺寸 φ100~φ150 小零件加工	AB52  切削速度 450 高韧性耐磨工具钢 螺纹加工	AB56  70° 刀尖 70° 刀柄尺寸 Ø4~Ø8 小径内孔加工	AB56  90° 内孔端面 刀柄尺寸 Ø4~Ø8 平端面小孔加工	AB56  60° 刀尖 60° 刀柄尺寸 Ø4~Ø8 小径内孔加工	AB56  双头内孔镗刀 刀柄尺寸 Ø50~Ø70 小径内孔加工
SBTR	STIR	SBQR	STIR	SBWR	SMFR	SBKR	SBCR
AB56  80° 刀尖 80° 刀柄尺寸 Ø4~Ø8 小径内孔加工	AB56  55°/60° 适用刀片 CSV... 刀柄尺寸 Ø4~Ø8 小径螺纹牙刀	AB56  35° 刀尖 35° 刀柄尺寸 Ø4~Ø8 小径内孔加工	AB56  30° 梯形 适用刀片 CSV... 刀柄尺寸 Ø4~Ø8 凸轮车床专用	AB57  适用刀片 CSV... 刀柄尺寸 Ø4~Ø8 小径内孔切槽	AB57  内孔端面槽 刀柄尺寸 Ø6~Ø10 小径内孔端面槽加工	AB57  适用刀片 CSV... 刀柄尺寸 Ø4~Ø8 小径内孔圆槽	AB57  前后 45° 刀柄尺寸 Ø4~Ø8 45°倒角+90°槽
SMVR	SBDR	SBXR	双头 SBFS	斜插式内孔镗刀	双头 SBFB	斜插式内孔切槽刀	双头 SBG
AB57  端面深槽 刀柄尺寸 Ø6~Ø10 小径端面深槽加工	AB57  93° 44° 镗孔+倒角 刀柄尺寸 Ø4~Ø8 平端面+45°倒角	AB57  内孔勾刀 刀柄尺寸 Ø50 小孔加工	AB58  直径加工 Ø2.2~Ø5.2 刀柄尺寸 Ø3~Ø10 小孔加工	AB58  后斜插式 刀柄尺寸 Ø3~Ø10 小孔加工	AB58  直径加工 Ø2.2~Ø5.2 刀柄尺寸 Ø3~Ø10 小孔加工	AB58  后斜插式 刀柄尺寸 Ø3~Ø10 小孔加工	AB58  直径加工 Ø3~Ø5 刀柄尺寸 Ø3~Ø10 小孔加工
钨钢内孔螺纹刀	MQR	MUR	MPR	MXR	MCR	MTR	MDR
AB58  后斜插式 刀柄尺寸 Ø3~Ø10 小孔加工	AB59  内孔仿形镗刀 刀尖 35° 小孔加工	AB59  内孔端面镗孔 刀尖 22° 小孔加工	AB59  内孔镗刀 刀尖 60° 小孔加工	AB59  内孔勾刀 刀柄长度 51 小孔加工	AB59  内孔镗及倒角 刀尖 90° 小孔加工	AB59  内孔镗刀 刀尖 77° 小孔加工	AB59  内孔镗+倒角+切槽 刀柄长度 51/58 小孔加工
MIR	MGR	MWR	MKR	MFR	MFR	MVR	MZR
AB60  公制/美制螺纹 刀尖 60° 螺纹加工	AB60  内孔槽刀 刀柄长度 51 切槽加工	AB60  端面倒角及仿形刀 刀柄长度 51 倒角及仿形加工	AB60  内孔圆槽刀 刀柄长度 51 切槽加工	AB60  右端面槽刀 刀柄长度 51 切槽加工	AB60  左端面槽刀 刀柄长度 51 切槽加工	AB60  深端面槽刀 刀柄长度 64 切槽加工	AB60  右端面圆头槽刀 刀柄长度 51 切槽加工

车削刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
成型

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

车削刀柄

CSV 凸轮车削刀具

DS 刀柄

正面排刀

Y轴刀柄

前车削

后车削

小径切槽切断螺纹

小孔加工

滚花成型

焊接车刀夹头

外圆车削

内孔车削

螺纹车削

切槽切断

端面切槽

阻尼模组

TWBR	S-STW	TFG	S-STFG	TFGVT	STWS-V	SVNR	SVNS-N	
AB61  镗孔刀片 车削刀柄 小孔加工用	AB61  平装刀片圆形刀杆 适用刀片TWBR 小孔加工用	AB62  端面槽刀片 硬质合金 小孔加工用	AB62  平装型刀片用圆刀杆 硬质合金 小孔加工用	AB62  平装型刀片用圆刀杆 硬质合金 小孔加工用	AB62  立装型刀片方型刀杆 适用刀片: TFGVTR... 小孔加工用	AB63  镗孔刀杆 适用刀片: VNBR... 车削刀柄	AB63  无侧固装置 适用刀片: VNBR... 车削刀柄	
DS-SVNR  镗孔刀杆 适用刀片: VNBR... 车削刀柄	AB65  每转进给量0.02-0.1 适用刀杆SVNR... 小孔加工	AB65  每转进给量0.02-0.1 适用刀杆SVNR... 倒拉加工	AB66  每转进给量0.02-0.1 刀片长30.8 螺纹加工	AB67  每转进给量0.01-0.05 适用刀片SVNR 切槽加工	AB68  每转进给量0.01-0.06 适用刀片SVNR 切槽加工	AB69  刀片长26.5 PVD涂层硬质合金 内径加工	AB70  方形刀杆L型 适用刀片VNBR... 小孔加工用	
S-SVN-XN  圆形刀杆标准型 适用刀片VNBR... 小孔加工用	HT  可换刀片 PVD涂层耐磨 小径内孔车削	AB71  每转进给量0.002-0.1 PVD涂层耐磨 小径内孔车削	AB72  刀片直径6.8 适用刀片HT... 螺纹加工	AB72  每转进给量0.01-0.03 适用刀片HT... 切槽加工	AB73  可换刀片 适用刀片MB... 小径内孔车削	AB73  每转进给量0.01-0.03 适用刀片MB... 切槽加工用	AB75  内径加工 倒孔直径1.4 多边孔/梅花孔用	
SPH050  内径加工 PVD涂层微粒子硬质合金 梅花孔用	SPH020H  内径加工 PVD涂层微粒子硬质合金 六角孔用	SPH020N  内径加工 PVD涂层微粒子硬质合金 四角孔用	MZ-TK  通孔型 加工例 缸体、电机定子连杆	MZ-TK  盲孔型 加工例 制动缸体、轴承配合孔	MZ-TK  通孔型 加工例 缸体、电机定子连杆等	MZ-TK  通孔型 加工例 制动缸体、轴承配合孔活塞泵等	MZ-MK  盲孔型 加工例 缸体、电机定子连杆	
MZ-TK  通孔型 加工例 制动缸体、轴承配合孔活塞泵等	MZ-TK  通孔型 加工例 缸体、电机定子连杆	MZ-TK  通孔型 加工例 缸体、电机定子连杆	MZ-TK  盲孔型 滚针呈倾斜 深孔自动进给	MZ-NK  内锥型 锥面最小径可加工3.0 锥面/内锥面镜面加工	MZ-WZ  外锥型 锥面最小径为2.0 外锥滚光用	MZ-WZ  外锥型 锥面最小径为2.0 外锥滚光用	MZ-NZ  内锥型 横向加工, 无宽度限制 平面滚光	
MZ-NZ  内锥型 加工最小径为Φ2 圆形端面滚光工具	MZ-NZ  天然特级钻石为刀头 高金属表面镜面滚压	MZ-ZS-Y  天然特级钻石为刀头 高金属表面镜面滚压	MZ-ZS-L  天然特级钻石为刀头 高金属表面镜面滚压	MZ-ZS-L  天然特级钻石为刀头 高金属表面镜面滚压	MZ-ZS-L  天然特级钻石为刀头 高金属表面镜面滚压	切削工具 机床  内四方、内六方加工 适用于硬度HRC30° 各类零件加工	车床延长杆  单面有平面 各类零件加工	
车床夹头  自动车床夹头 夹头长Φ76-Φ96 各类零件加工	内撑轴头  18牙/21牙 夹头长Φ36-Φ52 各类零件加工	车床夹头座  锥度30° 尺寸Φ110-Φ125 各类零件加工	送料料夹  连接油缸 通孔直径Φ34-Φ52 各类零件加工	送料料夹  连接油缸 通孔直径Φ34-Φ52 各类零件加工				

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
成型

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

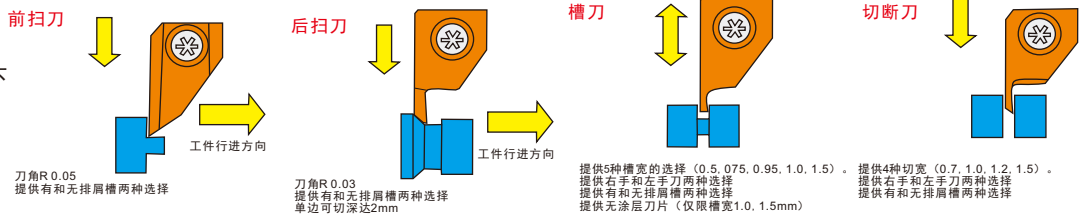
端面
切槽

阻尼
模组

放射型刀座用刀柄

Radial Holder

- 舍弃式刀片和刀柄
- 最适合:加工 $\varnothing 7\text{mm}$ 以下的小直径零部件
- 新涂层:采用纳米涂层
- 对应:前扫刀,后扫刀,槽刀,切断刀



刀角R 0.05
提供有和无排屑槽两种选择

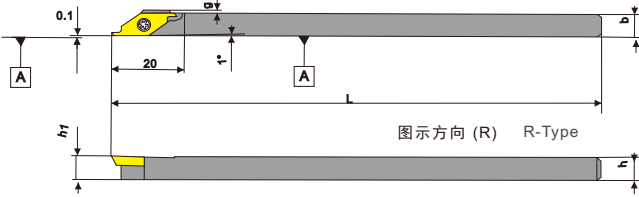
刀角R 0.03
提供有和无排屑槽两种选择
单边可切深达2mm

提供5种槽宽的选择 (0.5, 0.75, 0.95, 1.0, 1.5)。
提供右手和左手刀两种选择
提供有和无排屑槽两种选择
提供无涂层刀片 (仅限槽宽1.0, 1.5mm)

提供4种切宽 (0.7, 1.0, 1.2, 1.5)。
提供右手和左手刀两种选择
提供有和无排屑槽两种选择

HAO型刀柄

HAO Type Holder
螺丝固定方式
Screw Fixing Method



特点~与现用焊接刀相比,提高了其长寿命,高品质,便利性。
Features - Compared With The Current Welding Knives, It Has Improved Its Long Life, High Quality And Convenience.

零配件 (Toolholder Parts): P03-P06

刀柄型号 Tool Holder Model	库存		尺寸 (mm)						适用刀片 适用刀片 适用刀片	零件号 零件号 零件号	Order Number	Price (RMB)	
	R	L	h	b	L	h1	g						
HAO R/L07	●	●	7	7	140	7	0.5	0.0	HAOF HAOB HAOG HAOC	M2.5X7	T8	201100	300
HAO R/L08	●	●	8	8		8	201102					300	
HAO R/L095	●	●	9.5	9.5		9.5	201104					300	
HAO R/L10	●	●	10	10		10	201106					300	
HAO R/L12	●	●	12	12		12	201108					300	

HAOF型刀片(前扫刀)

HAOF Type Insert (front Sweeping Turning)

形状 Shape	刀尖形状 Tip Shape	刀柄型号 Tool Holder Model	排削槽	尺寸 (mm) Size (mm)			库存		Order Number	Price (RMB)
				内接圆	厚度	ΓE	R	L		
		HAOF0533 R/L	无	6.35	2.38	0.05	●	●	201400	200
图示为右手刀 (R)	角度是刀柄安装时的值。									
		HAOF0533 R/LB	有	6.35	2.38	0.05	●	●	201402	200
图示为右手刀 (R)	角度是刀柄安装时的值。									
		HAOF0533 R/L03005	无	6.35	2.38	0.05 MAX	●	●	201404	200
图示为右手刀 (R)	角度是刀柄安装时的值。									
		HAOF0533 R/LB03005	有	6.35	2.38	0.05 MAX	●	●	201406	200
图示为右手刀 (R)	角度是刀柄安装时的值。									

HAOC型刀片(切断刀)

HAOC Type Insert (cutting Turning)

形状 Shape	刀尖形状 Tip Shape	刀柄型号 Tool Holder Model	排削槽	尺寸 (mm)			库存	Order Number	Price (RMB)	
				内接圆	厚度	W L ΓE				
		HAOC070R/L	无	6.35	2.38	0.7 3.0	●	●	201200	200
		HAOC120R/L				1.0	●	●	201202	200
		HAOC150R/L				1.2 4.0	●	●	201204	200
		HAOC070R/LB				1.5	●	●	201206	200
		HAOC100R/LB				0.7 3.0	●	●	201208	200
		HAOC120R/LB	有	6.35	2.38	1.0	●	●	201210	200
		HAOC120R/LB				4.0 0.03	●	●	201212	200
		HAOC150R/LB05				1.5	●	●	201214	200

HAOG型刀片(槽刀)

HAOG Type Insert (slot Cutter)

形状 Shape	刀尖形状 Tip Shape	刀柄型号 Tool Holder Model	排削槽	尺寸 (mm) Size (mm)			库存		Order Number	Price (RMB)
				内接圆	厚度	W L ΓE	R	L		
		HAOG050 R/L	无	6.35	2.38	0.50 1.0	●	●	201500	200
		HAOG75 R/L				0.75	●	●	201502	200
		HAOG095 R/L				0.95 2.0 0.03	●	●	201504	200
		HAOG100 R/L				1.00	●	●	201506	200
		HAOG150 R/L				1.50 3.0	●	●	201508	200
		HAOG050 R/LB				0.50 1.0	●	●	201510	200
		HAOG075 R/LB	有	6.35	2.38	0.75	●	●	201512	200
		HAOG095 R/LB				0.95 2.0 0.03	●	●	201514	200
		HAOG100 R/LB				1.00	●	●	201516	200
		HAOG150 R/LB				1.50 3.0	●	●	201518	200

HAOB型刀片(后扫刀)

HAOB Type Insert (rear Sweeping Turning)

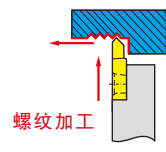
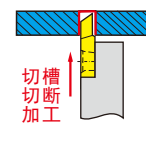
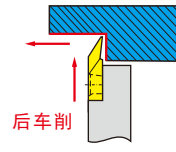
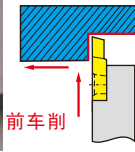
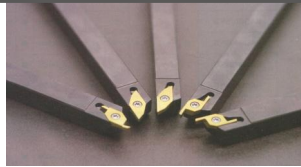
形状 Shape	刀尖形状 Tip Shape	刀柄型号 Tool Holder Model	排削槽	尺寸 (mm)			库存	Order Number	Price (RMB)	
				内接圆	厚度	ΓE				
		HAOB035 R/L	无	6.35	2.38	0.03	●	●	201300	200
图示为右手刀 (R)	角度是刀柄安装时的值。									
		HAOB035 R/LB	有	6.35	2.38	0.03	●	●	201302	200
图示为右手刀 (R)	角度是刀柄安装时的值。									

形状 Shape	刀尖形状 Tip Shape	刀柄型号 Tool Holder Model	排削槽	尺寸 (mm)			库存	Order Number	Price (RMB)	
				内接圆	厚度	W L ΓE				
		HAOG100R/L	无	6.35	2.38	1.00 2.0	●	●	201600	200
		HAOG150R/L				1.50 3.0	●	●	201602	200

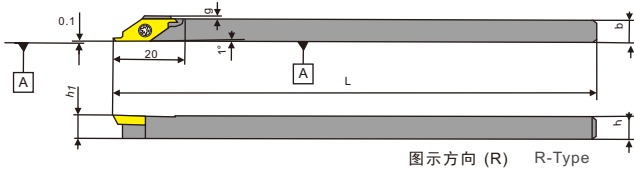
凸轮车床用

前车削 | 后车削 | 螺纹车削 | 切槽切断
Before turning | After turning | Thread turning | Grooving and Cut-off

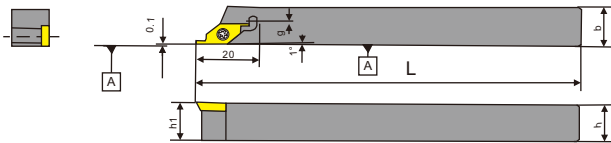
CSV型 凸轮车床加工用



CSV 型刀柄 螺丝固定方式 35° 菱形正角型 放射型刀座用



CSV-NC 型刀柄螺丝固定方式 35° 菱形正角型 放射型刀座用



零配件 (Toolholder Parts): P03-P06

刀柄型号 Tool Holder Model	库存		尺寸 (mm)						通用刀片 通用刀片	深孔螺丝 深孔螺丝	扳手 扳手	Stock		Order Number	Price (RMB)
	R	L	h	b	L	h1	g	R				L			
CSVR/L07GX	●	●	7	7	85	7	0.5	CSVF 前车削 CSVB 后车削 CSV 切断刀 CSVG 开槽 CSVT 螺纹车削	M2.5X7	T8	●	●	202100	300	
CSVR/L07	●	●	7	7	140	7	0.5				●	●	202102	300	
CSVR/L08GX	●	●	8	8	85	8	0.5				●	●	202104	300	
CSVR/L08	●	●	8	8	140	8	0.5				●	●	202106	300	
CSVR/L095	●	●	9.5	9.5	140	9.5	0.5				●	●	202108	300	
CSVR/L10	●	●	10	10	10	10	0.5				●	●	202110	300	
CSVR/L12GX	●	●	12	12	85	12	0.0				●	●	202112	300	
CSVR/L12	●	●	12	12	140	12	0.0				●	●	202114	300	
CSVR/L08NC	●	●	8	8	120	8	0.0	●	●	202116	300				
CSVR/L10GXNC	●	●	10	10	85	10	0.0	●	●	202118	300				
CSVR/L10NC	●	●	10	10	10	10	0.0	●	●	202120	300				
CSVR/L12NC	●	●	12	12	120	12	0.0	●	●	202122	300				

前车削 CSVF型 Front Turning CSVF Type

形状 Shape	刀尖形状 Tip Shape	刀柄型号 Tool Holder Model	排削槽 排削槽	尺寸 (mm)				库存		Order Number	Price (RMB)	
				有效切削深度 有效切削深度 W	刀尖角 刀尖角 α X β	内径 内径	厚度 厚度	ε	R L			
图示为右手刀 (R) 角度是刀柄安装时的值。		CSVF11FR/LV	无	1.00	0.3X5°	6.35	2.38	0.0	●	●	201700	300
		CSVF11FR/LV-A							●	●	201702	300
		CSVF11FR/LV-M							●	●	201704	300
		CSVF11FR/LV-C							●	●	201706	300
图示为右手刀 (R) 角度是刀柄安装时的值。		CSVF11FR/LVB	有	1.00	0.3X2°	6.35	2.38	0.0	●	●	201708	300
		CSVF11FR/LVB-A							●	●	201710	300
		CSVF11FR/LVB-M							●	●	201712	300
		CSVF11FR/LVB-C							●	●	201714	300
-仿型加工用-		CSVF11FR/LVX	无	-	-	6.35	2.38	0.0	●	●	201716	300

后车削 CSVB型 Rear turning CSVB Type

形状 Shape	刀尖形状 Tip Shape	刀柄型号 Tool Holder Model	排削槽 排削槽	尺寸 (mm)				库存		Order Number	Price (RMB)	
				有效切削深度 有效切削深度 W	刀尖角 刀尖角 α X β	内径 内径	厚度 厚度	ε	R L			
图示为右手刀 (R) 角度是刀柄安装时的值。		CSVB11FR/LV	无	2.0	0.3X5°	6.35	2.38	0.0	●	●	202200	300
		CSVB11FR/LV-A							●	●	202202	300
		CSVB11FR/LV-M							●	●	202204	300
		CSVB11FR/LV-C							●	●	202206	300
图示为右手刀 (R) 角度是刀柄安装时的值。		CSVB11FR/LV12	有	1.20	0.15X2°	6.35	2.38	0.0	●	●	202208	300
		CSVB11FR/LV14							●	●	202210	300
		CSVB11FR/LVB							●	●	202212	300
		CSVB11FR/LVB-A							●	●	202214	300
图示为右手刀 (R) 角度是刀柄安装时的值。		CSVB11FR/LVB-A	有	2.0	0.3X2°	6.35	2.38	0.0	●	●	202216	300
		CSVB11FR/LVB-M							●	●	202218	300
		CSVB11FR/LVB-C							●	●	202220	300
		CSVB11FR/LVB12							●	●	202222	300
-仿型加工用-		CSVB11FR/LVX	无	-	-	6.35	2.38	0.0	●	●	202224	300

切断刀 CSVC型 Cutting Turning CSVB Type

形状 Shape	刀尖形状 Tip Shape	刀柄型号 Tool Holder Model	排削槽 排削槽	尺寸 (mm)				库存		Order Number	Price (RMB)	
				内径 内径	厚度 厚度	有效加工深度 有效加工深度 W	ε	R L				
图示为右手刀 (R) 角度是刀柄安装时的值。		CSVC11FR/LV06	无	2.0	1.5	0.6	0.0	0.0	●	●	201800	300
		CSVC11FR/LV07							●	●	201802	300
		CSVC11FR/LV08							●	●	201804	300
		CSVC11FR/LV09							●	●	201806	300
		CSVC11FR/LV10							●	●	201808	300
图示为右手刀 (R) 角度是刀柄安装时的值。		CSVC11FR/LV13	有	3.0	2.5	1.3	0.0	0.0	●	●	201810	300
		CSVC11FR/LV15							●	●	201812	300
		CSVC11FR/LVB06							●	●	201814	300
		CSVC11FR/LVB07							●	●	201816	300
		CSVC11FR/LVB08							●	●	201818	300
图示为右手刀 (R) 角度是刀柄安装时的值。		CSVC11FR/LVB09	有	2.5	2.0	0.8	0.0	0.0	●	●	201820	300
		CSVC11FR/LVB10							●	●	201822	300
		CSVC11FR/LVB13							●	●	201824	300
		CSVC11FR/LVB15							●	●	201826	300
		CSVC11FR/LV06							●	●	201814	300

螺纹切削 CSVT型 Thread Cutting CSVT Type

形状 Shape	刀尖形状 Tip Shape	刀柄型号 Tool Holder Model	排削槽 排削槽	尺寸 (mm)				库存		Order Number	Price (RMB)	
				内径 内径	厚度 厚度	加工螺距 加工螺距	ε	R L				
图示为右手刀 (R) 角度是刀柄安装时的值。		CSVT11FR/L P60-035A	无	6.35	2.38	0.2 ~ 0.5	R0.03 MAX	0.0	●	●	201900	300
									●	●	201902	300

槽刀 CSVG型 Slot Cutter CSVG Type

形状 Shape	刀尖形状 Tip Shape	刀柄型号 Tool Holder Model	排削槽 排削槽	尺寸 (mm)				库存		Order Number	Price (RMB)	
				内径 内径	厚度 厚度	有效加工深度 有效加工深度 W	ε	R L				
图示为右手刀 (R) 角度是刀柄安装时的值。		CSVG11FR/LV025	无	6.35	2.38	0.0	0.0	0.0	●	●	202300	300
									●	●	202302	300
									●	●	202304	300
									●	●	202306	300
									●	●	202308	300
									●	●	202310	300
									●	●	202312	300
									●	●	202314	300
									●	●	202316	300
									●	●	202318	300
									●	●	202320	300
									●	●	202322	300
									●	●	202324	300
									●	●	202326	300
									●	●	202328	300
									●	●	202330	300
									●	●	202332	300
									●	●	202334	300
									●	●	202336	300
									●	●	202338	300
●	●	202340	300									

车削刀柄

CSV 凸轮车床刀具

DS 刀柄

正面排刀

Y轴刀柄

前车削

后车削

小径切槽切断螺纹

小孔加工

滚花成型

焊接车刀夹头

外圆车削

内孔车削

螺纹车削

切槽切断

端面切槽

阻尼模组

小径零件加工用 Small Diameter Parts Processing

放射型刀座

Radial Toolholder

MTPS

特点

- 对应后车削、切断、槽加工、螺纹切削
- 1把刀柄可通用各类刀片

Characteristic: · Corresponding to rear turning, cutting, slot machining, and thread cutting
· 1 Toolholder can be used for various types of Inserts

MTPS型

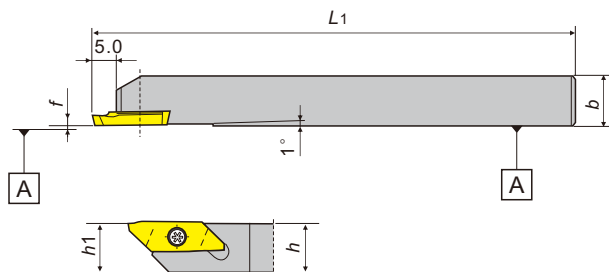


图-1

· 图示为右手刀
· Right hand knife shown

刀杆尺寸 Cutter bar size

刀杆形状 Cutter bar shape	刀杆型号 Cutter bar model	尺寸(mm) Dimensions (mm)					适用刀片 Suitable Insert	零部件 Components and parts		库存 Stock	编码 Encoded
		<i>h</i>	<i>b</i>	<i>L</i> ₁	<i>h</i> ₁	<i>f</i>		紧固螺丝 Fastening screw	扳手 Spanner		
图-1	MTPSR 10	10	10	120	10	0.0	MBPS (后扫) MTPS (切断) MGPS (槽刀) MTTPS (螺纹)	M2.5x6	T8	●	
	12	12	12	120	12	0.0				●	

适用刀片 Suitable Insert

MBPS型

后扫

Backscan

刀片形状 Insert shape	刀片型号 Insert model	排屑槽 θ	尺寸(mm) Dimensions (mm)			PVD涂层微粒子硬质合金 PVD coated particles Cemented carbide		编码 Encoded	
			<i>r</i> _{ϵ}	有效切削刃长 <i>a</i>	可加工深度 <i>b</i>	ZP15	ZP163		
<附排屑槽> <Attached chip removal slot> 	MBPS 60FR00	有	60°	0.0	3.1	3.5	●	●	
	60FR01		60°	0.1	3.1	3.5	●	●	
<无排屑槽> <No chip removal slot> 	MBPS 60FRV	无	60°	0.0	4.8	4.8	●	●	

※ θ 为安装于刀杆时的值
※ θ is the value when installed on the cutter bar

凸轮车床用

前车削 | 后车削 | 螺纹车削 | 切槽切断

Before turning | After turning | Thread machining | Grooving and Cut-off

MTPS型

切断

Cut off

刀片形状 Insert shape	刀片型号 Insert model	排屑槽	最大切断直径 (mm) ϕD	尺寸 (mm) Dimensions (mm)				PVD涂层微粒子硬质合金 PVD coated particles Cemented carbide		编码 Encoded
				W	θ	$r\epsilon$	L	ZP15	ZP163	
<p>CTSP07</p> <p>CTSP12/15/18/20</p> <p>FRV 镜面抛光 Mirror Polishing</p>	MTPS 07FRN-001	有	4.0	0.7	0°	0.05	4.5	●		
	07FR -001		4.0	0.7	16°	0.05	4.5	●		
	12FR		4.0	1.2	16°	0.05	3.5	●	●	
	15FR		5.0	1.5	16°	0.05	4	●	●	
	18FR		8.5	1.8	16°	0.05	5.5	●	●	
	20FR		10.0	2.0	16°	0.05	6	●	●	
	MTPS 07FRV-001	无	4.0	0.7	20°	0.0	4.5	●		
	12FRV		4.0	1.2	20°	0.0	3.5	●	●	
	15FRV		5.0	1.5	20°	0.0	4	●	●	
	18FRV		8.5	1.8	20°	0.0	5.5	●	●	
20FRV	10.0		2.0	20°	0.0	6	●	●		

※ θ 为安装于刀杆时的值
※ θ is the value when installed on the cutter bar

MGPS型

槽刀

Groove cutter

刀片形状 Insert shape	刀片型号 Insert model	尺寸 (mm) Dimensions (mm)				PVD涂层微粒子硬质合金 PVD coated particles Cemented carbide		编码 Encoded
		W	$r\epsilon$	有效加工深度 Effective machining depth	L	ZP15	ZP163	
<p>· 图示为右手刀 · Right hand knife shown</p>	MGPS 075FR	0.75	0.0	1.0	1.5	●	●	
	095FR	0.95	0.0	1.5	2.0	●	●	
	100FR	1.00	0.0	1.5	2.0	●	●	
	120FR	1.20	0.0	2.5	3.0	●	●	
	150FR	1.50	0.0	2.5	3.0	●	●	
	200FR	2.00	0.0	2.5	3.0	●	●	

MTTPS型

螺纹

Screw thread

刀片形状 Insert shape	刀片型号 Insert model	尺寸 (mm) Dimensions (mm)				螺距 (mm)	牙/英寸 (TPI)	PVD涂层微粒子硬质合金 PVD coated particles Cemented carbide		编码 Encoded
		刀尖形状 Insert shape	θ	f	$r\epsilon$			ZP15	ZP163	
<p>A型</p>	MTPS 60ER4A	A	60°	0.4	最大0.05 平头	0.2~0.75	127~34	●	●	
	60FR8A	A	60°	0.8	0.05	0.4~1.25	63~21	●	●	
<p>B型</p>	MTPS 60ER4B	B	60°	0.4	最大0.05 平头	0.2~0.75	127~4	●	●	
	60FR8B	B	60°	0.8	0.05	0.4~1.25	127~34	●	●	
<p>N型</p>	MTPS 60FR-N	N	60°	1.25	0.1	1.0~1.5	25~17	●	●	

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
成型

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

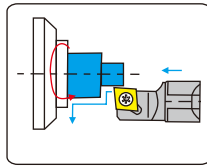
切槽
切断

端面
切槽

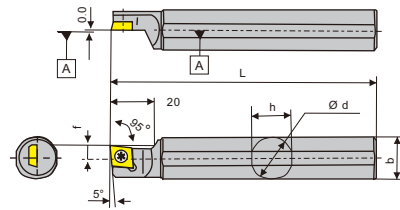
阻尼
模组

DS-SCLCL型

DS-SCLCL Type



外圆/端面车削
External / End Face Turning



图示方向 (L) L-Type

刀片 (Inserts): A19-A20
零配件 (Toolholder Parts): P03-P06

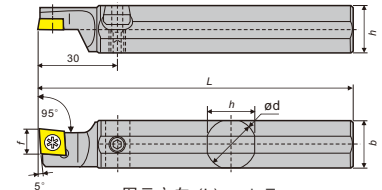
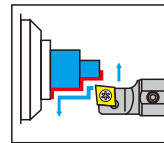
刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number	Price (RMB)
	Ød	h	b	L	f	R				L			
DS-SCLCL 14F06	14	13	13	80	6.0	CC..0602..	T8	M2.5×7	○	●	202400	300	
15H06	15.875	15	15	100	6.0				○	●	202402	300	
16F06	16	15	15	80	6.0				○	●	202404	300	
19.05K06	19.05	18	18	125	6.0				○	●	202406	360	
20X06	20	19	19	95	6.0				○	●	202408	360	
20K06	20	19	19	125	6.0				○	●	202410	360	
22K06	22	21	21	125	6.0				○	●	202412	410	
25K06	25	24	24	125	6.0				○	●	202414	410	
25.4M06	25.4	24	24	150	6.0				○	●	202416	420	
14F09	14	13	13	80	6.0				CC..09T3..	T15	M4.0×8	○	●
15H09	15.875	15	15	100	6.0	○	●	202420				300	
16F09	16	15	15	80	6.0	○	●	202422				300	
19.05GX09	19.05	18	18	85	6.0	○	●	202424				300	
19.05K09	19.05	18	18	125	6.0	○	●	202426				360	
20X09	20	19	19	95	6.0	○	●	202428				360	
20K09	20	19	19	125	6.0	○	●	202430				360	
22K09	22	21	21	125	6.0	○	●	202432				410	
25K09	25	24	24	125	6.0	○	●	202434				410	
25.4M09	25.4	24	24	150	6.0	○	●	202436				420	

DS-SCLCL-ACH型

DS-SCLCL-ACH Type

零部件 Components and parts

刀柄 Hilt	调整块 Adjustment block	调整块螺栓 Adjusting block bolt
Ø16	DH-W18	MS060415
Ø19.05		
Ø20		
Ø22	DH-W24	MS060419
Ø25		
Ø25.4		



图示方向 (L) L-Type

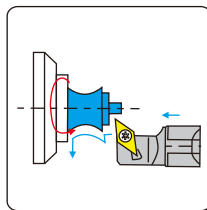
中心高度调整功能DS刀杆

Center height adjustment function DS cutter bar

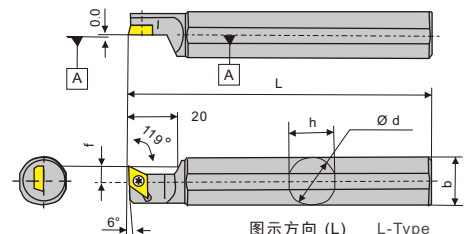
刀杆型号 Cutter bar model	尺寸 (mm) Dimensions (mm)						适用刀片 Suitable Insert	零部件 Components and parts			库存 Stock		编码 Encoded	价格 Price
	Ød	h	b	L	f	紧固螺丝 Fastening screw		扳手 Spanner	R	L				
DS-SCLCL 16F09-ACH	16.00	15.5	15.5	80	6.0	CC..09T3	M4.0x8	T15 L4	○	●				
19.05K09-ACH	19.05	18	18	125	6.0									
20K09-ACH	20.00	19	19	125	6.0									
22K09-ACH	22.00	21	21	125	6.0									
25K09-ACH	25.00	24	24	125	6.0									
25.4M09-ACH	25.40	24	24	150	6.0									

DS-SDXCL型

DS-SDXCL Type



外圆/端面车削
External / End Face Turning



图示方向 (L) L-Type

刀片 (Inserts): A21-A22
零配件 (Toolholder Parts): P03-P06

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number	Price (RMB)
	Ød	h	b	L	f	R				L			
DS-SDXCL 19.05K11	19.05	19.05	19.05	125	10	DC.11T3..	T15	M4.0×10	○	●	202534	400	
20X11	20	20	20	95	10				○	●	202536	400	
20K11	20	20	20	125	10				○	●	202538	400	
25K11	25	25	25	125	10				○	●	202540	450	

车削
刀柄

CSV
凸轮
车削
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
成型

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

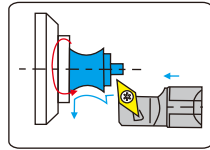
阻尼
模组

套筒式车削用

前车削 | 后车削 | 螺纹车削 | 切槽切断
Before turning | After turning | Thread turning | Grooving and Cut-off

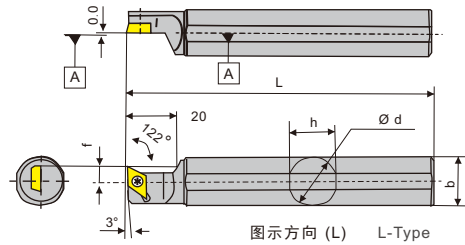
DS-SDUCL型

DS-SDUCL Type



外圆/端面车削
External / End Face Turning

刀片 (Inserts): A21-A22
零配件 (Toolholder Parts): P03-P06

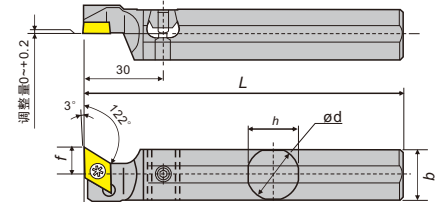
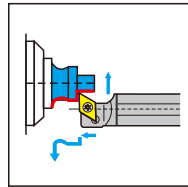


刀把型号 Ordering code	尺寸 Dimensions					刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number	Price (RMB)
	Ød	h	b	L	f				R	L		
DS-SDUCL 14F07	14	13	13	80	6.0	DC..0702..	T8	M2.5×7	○	●	202500	300
15.875H07	15.875	15	15	100	6.0				○	●	202502	300
16F07	16	15	15	80	6.0				○	●	202504	300
16X07	16	15	15	95	6.0				○	●	202506	300
19.05K07	19.05	18	18	125	6.0				○	●	202508	360
20X07	20	19	19	95	6.0				○	●	202510	360
20K07	20	19	19	125	6.0				○	●	202512	360
22K07	22	21	21	125	6.0				○	●	202514	410
14F11	14	13	13	80	6.0	DC..11T3..	T15	M4.0×10	○	●	202516	300
16F11	16	15	15	80	6.0				○	●	202518	300
19.05K11	19.05	18	18	125	6.0				○	●	202520	360
19.05M11	19.05	18	18	150	6.0				○	●	202522	360
20X11	20	19	19	95	11.0				○	●	202524	410
20K11	20	19	19	125	10				○	●	202526	410
22K11	22	21	21	125	10				○	●	202528	420
25K11	25	25	25	125	10				○	●	202530	420
25.4M11	25.4	25.4	25.4	150	10				○	●	202532	420

DS-SDUC-ACH型

零部件 Components and parts

刀柄 Hilt	调整块 Adjustment block	调整块螺栓 Adjusting block bolt
Ø16	DH-W18	MS060415
Ø19.05		
Ø20		
Ø22	DH-W24	MS060419
Ø25		
Ø25.4		



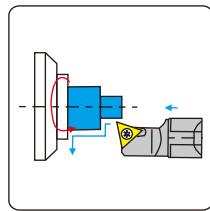
中心高度调整功能DS刀杆

Center height adjustment function DS cutter bar

刀杆型号 Cutter bar model	尺寸 (mm) Dimensions (mm)					适用刀片 Suitable Insert	零部件 Components and parts			库存 Stock		编码 Encoded	价格 Price
	Ød	h	b	L	f		紧固螺丝 Fastening screw	扳手 Spanner	A	B	R		
DS-SDUC _{R/L} 16F11-ACH	16.00	15.5	15	80	10.0	DC..11T3	M4.0x10	T15	L4	○	●		
19.05K11-ACH	19.05	18.0	18	125	10.0					○	●		
20K11-ACH	20.00	19.0	19	125	10.0					○	●		
22K11-ACH	22.00	21.0	21	125	10.0					○	●		
25M11MET-ACH	25.00	24.0	24	150	10.0					○	●		
25.4M11-ACH	25.40	24.0	24	150	10.0					○	●		

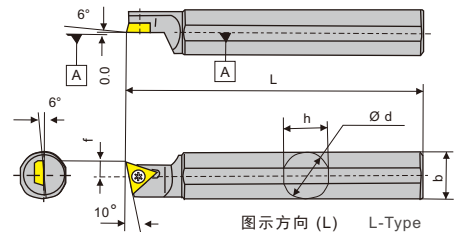
DS-STXN型

DS-STXN Type



外圆/端面车削
External / End Face Turning

刀片 (Inserts): A09-A12
零配件 (Toolholder Parts): P03-P06



刀把型号 Ordering code	尺寸 Dimensions					刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number	Price (RMB)
	Ød	h	b	L	f				R	L		
DS-STXNR/L 19K33	19.05	18	18	125	11	TN..1604..	T15	M3.5×13T	○	●	202600	500
20K33	20	19	19	125	11				○	●	202602	500
22K33	22	21	21	125	12				○	●	202604	500
25M33	25.4	24	24	150	13				○	●	202606	500

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
成型

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

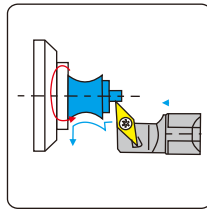
端面
切槽

阻尼
模组

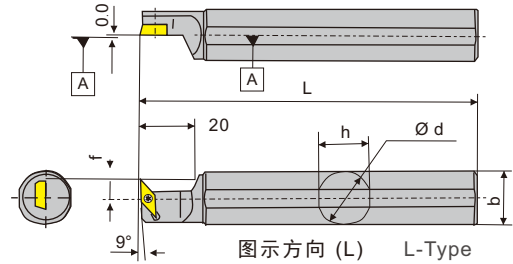
DS-SVXBL 型

DS-SVXBL Type

外圆/端面车削
External / End Face Turning



刀片 (Inserts): A29-A32
零配件 (Toolholder Parts): P03-P06

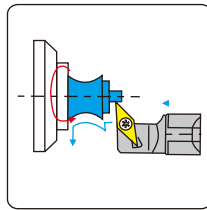


刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number	Price (RMB)
	Ød	h	b	L	f	R				L			
DS-SVXBL 14F11	14	13	13	80	10	VB..1103	T8	M2.5×6	○	●	202700	300	
15H11	15.875	15	15	100	10				○	●	202702	300	
16F11	16	15	15	80	10				○	●	202704	300	
19.05K11	19.05	18	18	125	10				○	●	202706	400	
19.05N11 ^{SPL}	19.05	18	18	160	11				○	●	202708	400	
20X-11	20	19	19	95	10				○	●	202710	400	
20K11	20	19	19	125	10				○	●	202712	500	
22K11	22	21	21	125	10				○	●	202714	500	
25.4M11	25.4	24	24	150	10				○	●	202716	500	
DS-SVXPL 19K08	19.05	18	18	125	10				VP.0802..	T6	M2.0×5	○	●
20K08	20	19	19	125	10	○	●	202720				500	
22K08	22	21	21	125	10	○	●	202722				500	
25.4M08	25.4	24	24	150	10	○	●	202724				500	

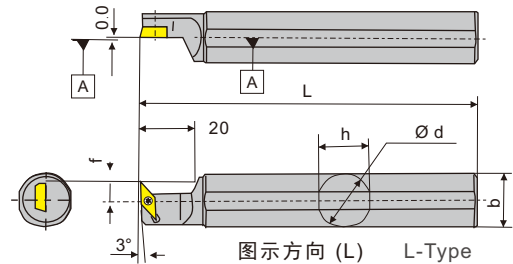
DS-SVUB(C)L 型

DS-SVUB(C)L Type

外圆/端面车削
External / End Face Turning



刀片 (Inserts): A29-A32
零配件 (Toolholder Parts): P03-P06



刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number	Price (RMB)		
	Ød	h	b	L	f	R				L					
DS-SVUCL 12F08	12	11	11	80	7.5	VC..0802	T6	M2.0×5	○	●					
14H08	14	13	13	100	7.5				○	●					
15.875F08	15.875	15	15	85	8				○	●					
16F08	16	15	15	85	8				○	●					
19.05G11	19.05	18	18	90	10.5	VC..1103	T8	M2.5×6	○	●					
19.05K11	19.05	18	18	125	10.5				○	●					
19.05N11 ^{SPL}	19.05	18	18	160	10.5				○	●					
20G11	20	19	19	90	10.5				○	●					
20K11	20	19	19	125	10.5				○	●					
22K11	22	21	21	125	10.5				○	●					
25M11	25	24	24	150	10.5				○	●					
25.4M11	25.4	24	24	150	10.5				○	●					
DS-SVUBL 19.05G11	19.05	18	18	90	10.5				VB..1103	T8	M2.5×6	○	●		
19.05K11	19.05	18	18	125	10.5							○	●		
19.05N11 ^{SPL}	19.05	18	18	160	10.5	○	●								
20G11	20	19	19	90	10.5	○	●								
20K11	20	19	19	125	10.5	○	●								
22K11	22	21	21	125	10.5	○	●								
25M11	25	24	24	150	10.5	○	●								
25.4M11	25.4	24	24	150	10.5	○	●								

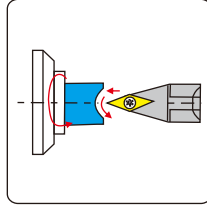
套筒式车削用

前车削 | 后车削 | 螺纹车削 | 切槽切断
Before turning | After turning | Thread turning | Grooving and Cut-off

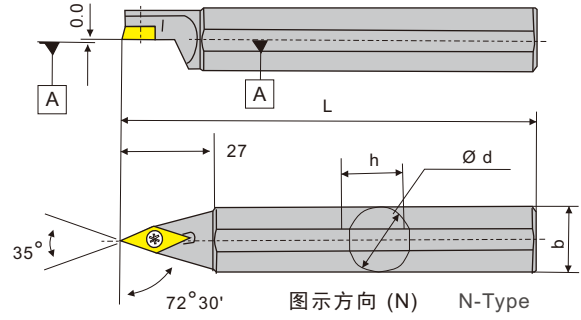
DS-SVVPN型

DS-SVVP Type

端面车削
End Face Turning



刀片 (Inserts): A29-A32
零配件 (Toolholder Parts): P03-P06



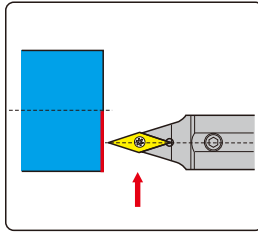
刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert 	扳手 Wrench 	螺丝 Screw 	Stock N	Order Number	Price (RMB)
	Ød	h	b	L	f							
DS-SVVPN 15.875K11	15.875	15	15	120	0		VP..1103..	T8	M2.5×7	●	202607	500
19.05K11	19.05	18	18	120	0	●				202608	500	
22K11	22	21	21	120	0	●				202610	500	
25.4M11	25.4	24	24	150	0	●				202612	500	

DS-SVVP-ACH型

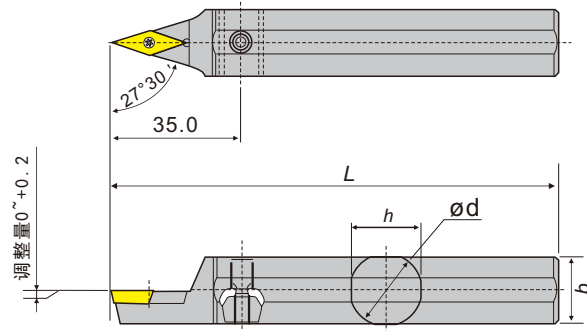
中心高度调整功能DS刀杆
Center height adjustment function DS cutter bar

<零部件> Components and parts

刀柄 Hilt	调整块 Adjustment block	调整块螺栓 Adjusting block bolt
Ø16	DH-W18	MS060415
Ø19.05		
Ø20	DH-W24	MS060419
Ø22		
Ø25		
Ø25.4		



刀片 (Inserts): A29-A32
零配件 (Toolholder Parts): P03-P06



刀杆型号 Cutter bar model	尺寸 (mm) Dimensions (mm)						适用刀片 Suitable Insert 	零部件 Components and parts			库存 Stock N	编码 Encoded	价格 Price
	Ød	h	b	L	h ₁	f		紧固螺丝 Fastening screw 	扳手 Spanner 				
DS-SVVPN 16K11-ACH※	16.00	15.5	15	125	-	-	VP..1103	M2.5x6	T8	●			
19.05K11-ACH	19.05	18	18	125	-	-				●			
20K11-ACH	20.00	19	19	125	-	-				●			
22K11-ACH	22.00	21	21	125	-	-				●			
25.4M11-ACH	25.40	24	24	150	-	-				●			

※使用DS套筒时, 请选用Ø16, Ø22刀杆。

※ When using DS sleeve, please select Ø 16, Ø 22 Cutter bar.

车削刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
成型

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

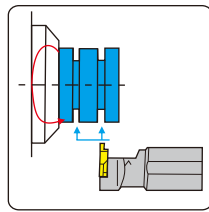
端面
切槽

阻尼
模组

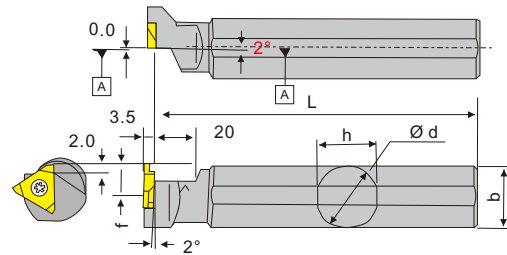
DS-KTGFL 型 DS-GTTL 型

DS-KTGFL Type
DS-GTTL Type

刀片 (Inserts): A35
零配件 (Toolholder Parts): P03-P06



切槽
Grooving

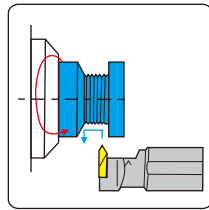


图示方向 (L) L-Type

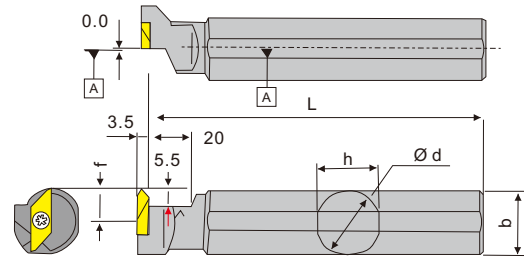
刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number	Price (RMB)
	Ød	h	b	L	f	R				L			
DS-GTTL 14F 15.875H 16X 19.05K 20K 22K 25.4K	14	13	13	80	6.0	GTM32 GTMH32 GTMX32	T15	M4.0×10	○	●	202806	500	
	15.875	15	15	100	6.0				○	●	202808	500	
	16	15	15	95	6.0				○	●	202810	500	
	19.05	18	18	125	6.0				○	●	202812	500	
	20	19	19	125	6.0				○	●	202814	500	
	22	21	21	125	6.0				○	●	202816	500	
DS-KTGFL 14F16 15H16 16H16 19.05K16 20K16 25.4K16	14	13	13	80	6.0	TGF32R..	T15	M4.0×10	○	●	202820	500	
	15.875	15	15	100	6.0				○	●	202822	500	
	16	15	15	100	6.0				○	●	202824	500	
	19.05	18	18	125	6.0				○	●	202826	500	
	20	19	19	125	6.0				○	●	202828	500	
	25.4	24	24	125	6.0				○	●	202830	500	

DS-TTPL 型 DS-TTPL Type

刀片 (Inserts): AB49
零配件 (Toolholder Parts): P03-P06



螺纹车削
Threading

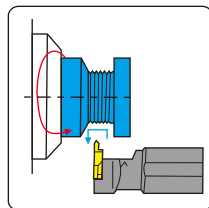


图示方向 (L) L-Type

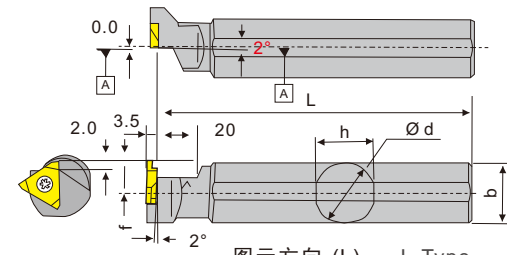
刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number	Price (RMB)
	Ød	h	b	L	f	R				L			
DS-TTPL 19.05K 20K 25.4M	19.05	18	18	125	10.0	TTP..	T15	M4.0×10	○	●	202900	500	
	20	19	19	125	10.0				○	●	202902	500	
	25.4	24	24	150	10.0				○	●	202904	500	

DS-KTTXL 型 DS-STTL 型

刀片 (Inserts): AB51
零配件 (Toolholder Parts): P03-P06



螺纹车削
Threading



图示方向 (L) L-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number	Price (RMB)
	Ød	h	b	L	f	R				L			
DS-STTL 14F 15.875H 16X	14	13	13	80	6.0	TTMH3260	T15	M4.0×10	○	●	202906	500	
	15.875	15	15	100	6.0				○	●	202908	500	
	16	15	15	95	6.0				○	●	202910	500	
DS-KTTXL 14F 15.875H 16H 19.05K 20K 25.4M	14	13	13	80	6.0	TTX32R..	T15	M4.0×10	○	●	202920	500	
	15.875	15	15	100	6.0				○	●	202922	500	
	16	15	15	100	6.0				○	●	202924	500	
	19.05	18	18	125	6.0				○	●	202926	500	
	20	19	19	125	6.0				○	●	202928	500	
	25.4	24	24	125	6.0				○	●	202930	500	

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
成型

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

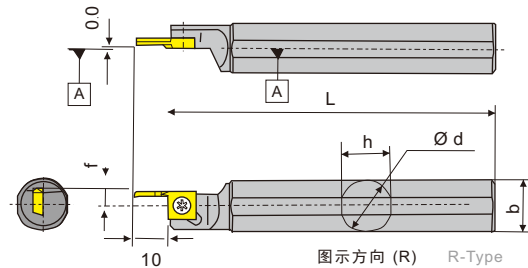
套筒式车削用

前车削 | 后车削 | 螺纹车削 | 切槽切断
Before turning | After turning | Thread turning | Grooving and Cut-off

DS-LBMB 型

DS-LBMB Type

刀片 (Inserts): AB16
零配件 (Toolholder Parts): P03-P06

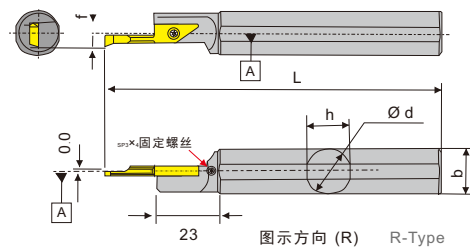


刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number	Price (RMB)
	Ød	h	b	L	f	R				L			
DS-LBMB 14F	14	13	13	80	6.0	LBMD-S LBM(C)3080 LBM(E)2060 LBMD1020	T15	M4.0×10	○	●	202728	500	
15.875H	15.875	15	15	100	6.0				○	●	202730	500	
16X	16	15	15	95	6.0				○	●	202732	500	
19.05K	19.05	18	18	125	6.0				○	●	202734	500	
20K	20	19	19	125	6.0				○	●	202736	500	
22K	22	21	21	125	6.0				○	●	202738	500	
25K	25	24	24	125	6.0				○	●	202740	500	
25.4N	25.4	24	24	160	6.0				○	●	202742	500	

DS-SVNR 型

DS-SVNR Type

刀片 (Inserts): AB65-AB70
零配件 (Toolholder Parts): P03-P06

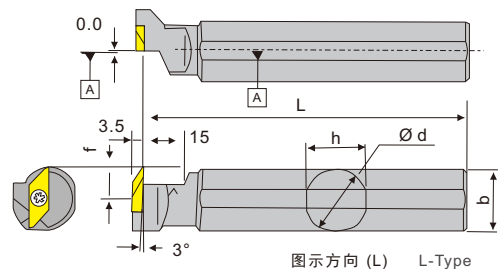


刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number	Price (RMB)
	Ød	h	b	L	f	R				L			
DS-SVNR12F12N	12	11	11	80	4	VNBR.. VNBTR.. VNGR.. VNFRG.. VNTR..	T10	M3.0×8	●	○	202750	500	
DS-SVNR14G12N	14	13	13	90	4				●	○	202752	500	
DS-SVNR16K12N	16	15	15	125	6				●	○	202754	500	
DS-SVNR19.05K12N	19.05	17	17	125	6				●	○	202756	500	
DS-SVNR20K12N	20	18	18	125	6				●	○	202758	500	
DS-SVNR25.4K12N	25.4	23	23	125	6				●	○	202760	500	

DS-TBPL 型

DS-TBPL Type

刀片 (Inserts): AB36
零配件 (Toolholder Parts): P03-P06

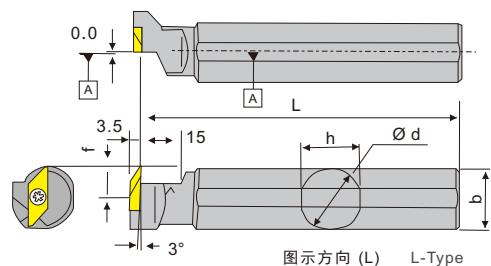


刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number	Price (RMB)
	Ød	h	b	L	f	R				L			
DS-TBPL 19.05K	19.05	18	18	125	11.0	TBP..	T15	M4.0×10	○	●	202800	500	
20K	20	19	19	125	11.0				○	●	202802	500	
25.4M	25.4	24	24	150	13.0				○	●	202804	500	

DS-KTKFL 型

DS-KTKFL Type

刀片 (Inserts): AB45-AB46
零配件 (Toolholder Parts): P03-P06



刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number	Price (RMB)
	Ød	h	b	L	f	R				L			
DS-KTKFL 19.05K12	19.05	18	18	125	11.0	切断 TKF..12R.. 后扫 TKFB..12R.. 螺纹 TKFT..12R..	T20	M4.5×8	○	●	202850	500	
20K12	20	19	19	125	11.0				○	●	202852	500	
25.4M12	25.4	24	24	150	13.0				○	●	202854	500	

车削刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
成型

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

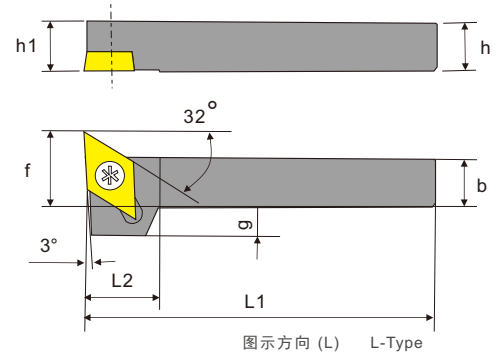
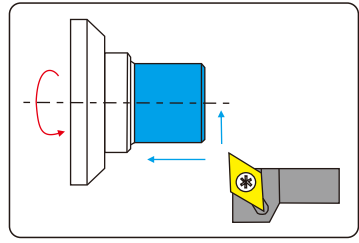
切槽
切断

端面
切槽

阻尼
模组

CH-SDUCL 型 CH-SDUCL Type

外圆/端面车削
External / End Face Turning



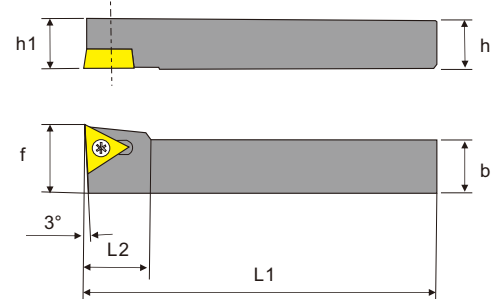
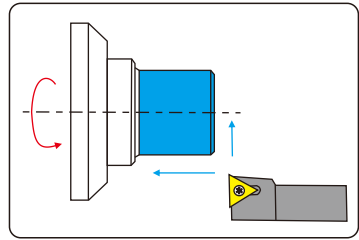
图示方向 (L) L-Type

刀片 (Inserts): A21-A22
零配件 (Toolholder Parts): P03-P06

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number	Price (RMB)
	g	h=h1	b	L1	L2	f				R	L		
CH-SDUCL 1010H11	6	10	10	100	15	15	DC..11T3	T15	M4.0×10	○	●	203100	300
1212H11	4	12	12	100	15	17				○	●		

CH-STUCL 型 CH-STUCL Type

外圆/端面车削
External / End Face Turning



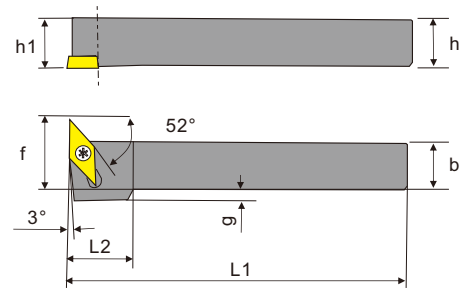
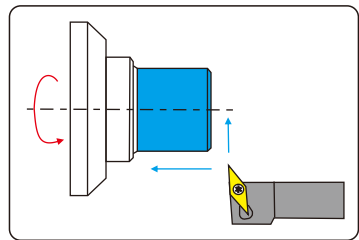
图示方向 (L) L-Type

刀片 (Inserts): A27-A28
零配件 (Toolholder Parts): P03-P06

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number	Price (RMB)
	g	h=h1	b	L1	L2	f				R	L		
CH-STUCL 1010H09	-	10	10	100	13	13	TC..0902	T8	M2.2×6	○	●	203104	300
1212H09	-	12	12	100	13	15				○	●		

CH-SVUPL 型 CH-SVUP Type

外圆/端面车削
External / End Face Turning



图示方向 (L) L-Type

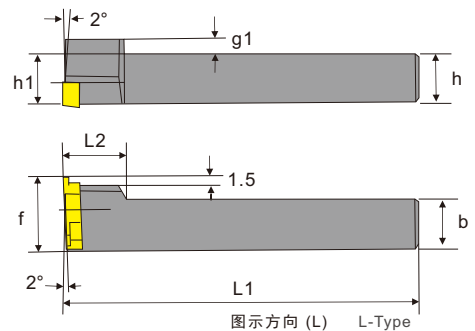
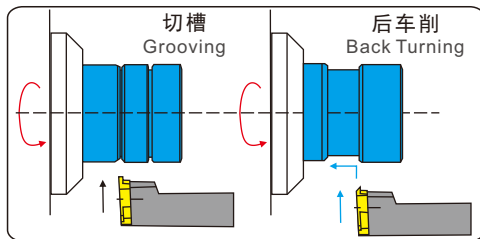
刀片 (Inserts): A29-A32
零配件 (Toolholder Parts): P03-P06

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number	Price (RMB)
	g	h=h1	b	L1	L2	f				R	L		
CH-SVUPL 1010H08	2	10	10	100	13	15	VP..0802	T8	M2.0×6	○	●	203108	300
1212H08	0	12	12	100	13	17				○	●		

CH-GTTL 型 CH-GTTL Type

切槽
Grooving

后车削
Back Turning



图示方向 (L) L-Type

零配件 (Toolholder Parts): P03-P06

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number	Price (RMB)
	g1	h=h1	b	L1	L2	f				R	L		
CH-GTTL 10H00	10	10	10	100	12	15	GTM..	T15	M4.0×9	○	●	203200	300
12H00	12	12	12	100	12	17				○	●		

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
成型

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

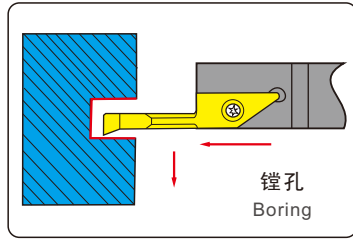
阻尼
模组

CH正面排刀

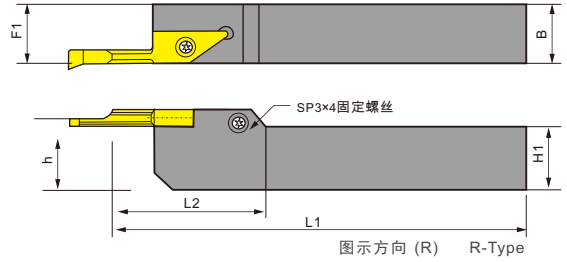
前车削 | 后车削 | 螺纹车削 | 切槽切断
Before turning | After turning | Thread turning | Grooving and Cut-off

SVN 型

SVN Type



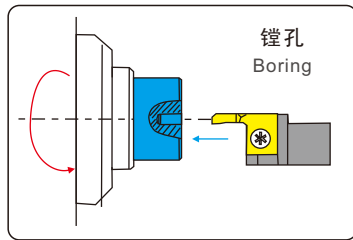
刀片 (Inserts): AB65-AB70
零配件 (Toolholder Parts): P03-P06



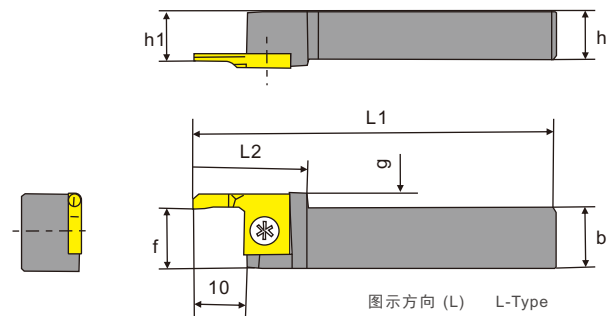
刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock	Order Number	Price (RMB)
	H1=h	B	L1	L2	T	F1						
SVNR 1010H12N	10	10	100	22		10	VNBR..	T10	M3x8	●	207500	200
1212K12N	12	12	125	22		12	VNBTR..			●	207502	200
1616K12N	16	16	125	22		16	VNGR..			●	207504	180
2020K12N	20	20	125	22		20	VNFRGR..			●	207506	200
2525M12N	25	25	150	22		25	VNTR..			●	207508	260

CH-LBML型

CH-LBML Type



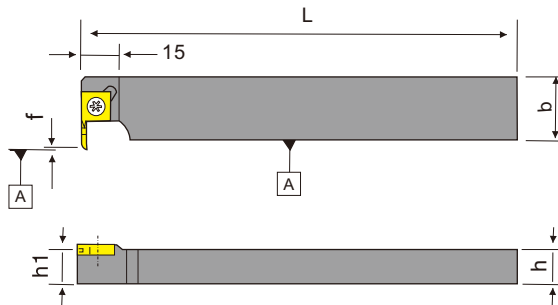
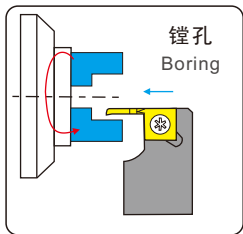
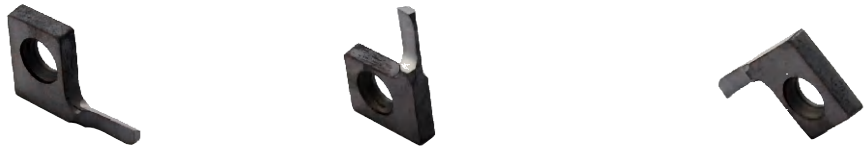
刀片 (Inserts): AB16
零配件 (Toolholder Parts): P03-P06



刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number	Price (RMB)
	g	h=h1	b	L1	L2	f				R	L		
CH-LBML 1012H	3	10	12	100	22	12	LBM..	T15	M4.0x10	○	●	203300	360
1212H	3	12	12	100	22	12				○	●	203302	360

LBMA 型

LBMA Type



刀片 (Inserts): AB16
零配件 (Toolholder Parts): P03-P06

刀片型号	最小加工直径	有效加工深度	¥	库存	Order Number	Price (RMB)
LBMD1020FLVBS	1.0	2.0	0.00	●	207700	300
LBMD1020FLPB05S	1.0	2.0	0.05	●	207702	300
LBMD1430FLVBS	1.4	3.0	0.0	●	207704	300
LBMD1430FLPB05S	1.4	3.0	0.05	●	207706	300
LBMD1730FLVBS	1.7	3.0	0.0	●	207708	300
LBMD1730FLPB05S	1.7	3.0	0.05	●	207710	300
LBMD2035FLVBS	2.0	3.5	0.0	●	207712	300
LBMD2035FLPB05S	2.0	3.5	0.05	●	207714	300
LBMD2335FLVBS	2.3	3.5	0.0	●	207716	300
LBMD2335FLPB05S	2.3	3.5	0.05	●	207718	300

刀片型号	最小加工直径	有效加工深度	¥	库存	Order Number	Price (RMB)
LBMD1020FLVB	1.0	2.0	0.00	●	207800	360
LBMD1020FLPB05	1.0	6.0	0.05	●	207802	360
LBMD2060FLVB	2.0	6.0	0.0	●	207804	360
LBMD2060FLPB05	2.0	6.0	0.05	●	207806	360
LBME2060FLV	2.0	6.0	0.0	●	207808	360
LBME2060FLP05	2.0	6.0	0.05	●	207810	360
LBME2060FLVB	2.0	6.0	0.0	●	207812	360
LBME2060FLPB05	2.0	6.0	0.05	●	207814	360
LBM3080FLV	3.0	8.0	0.0	●	207816	360
LBM3080FLP05	3.0	8.0	0.05	●	207818	360
LBM3080FLVB	3.0	8.0	0.0	●	207820	360
LBM3080FLPB05	3.0	8.0	0.05	●	207822	360
LBM3080FLV	3.0	8.0	0.0	●	207824	360
LBM3080FLPB05	3.0	8.0	0.05	●	207826	360

刀把型号 Ordering code	库存	尺寸 (mm)					适用刀片	零部件		Order Number	Price (RMB)
		h1	h	b	L	f		紧固螺丝	扳手		
LBMAR 10SGX	●	10	10	10	85		LBMD-S 短型	M4.0X10	T15	207600	400
	●	10	10	10	120	0.0				207602	400
	●	12	12	12	120	0.0				207604	400
LBMAR 08JX	●	8	8	8	120		LBMD(E)2060 LBMD1020	M4.0X10	T15	207606	400
	●	10	10	10	120	10.0				207608	400
	●	10	10	10	120	10.0				207610	400
	●	12	12	12	120	0.0				207612	400
	●	16	16	16	120	0.0				207614	400

车削刀柄

CSV 凸轮车床刀具

DS 刀柄

正面排刀

Y轴刀柄

前车削

后车削

小径切槽切断螺纹

小孔加工

滚花成型

焊接车刀夹头

外圆车削

内孔车削

螺纹车削

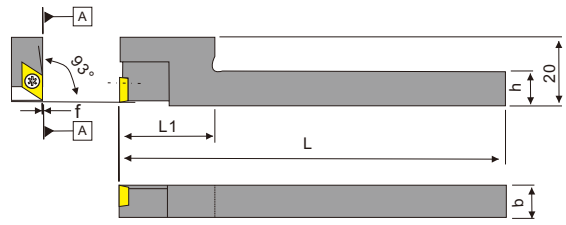
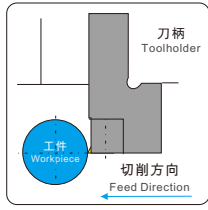
切槽切断

端面切槽

阻尼模组

Y-SDJCR 型

Y-SDJC Type



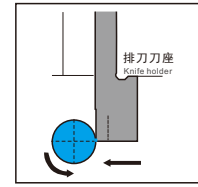
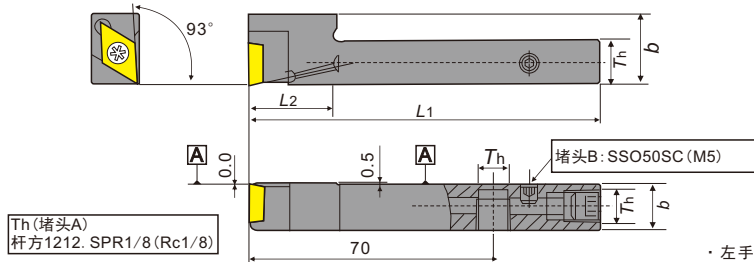
图示方向 (R) R-Type

刀片 (Inserts): A21-A22
零配件 (Toolholder Parts): P03-P06

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number	Price (RMB)
	h	b	L	L1	f					R	L		
Y-SDJCR 10-07S 12-07S 10-07 12-07 10-07L 12-07L	10	10	120	20	0		DC..0702	T8	M2.5×7	●	○	203400	500
	12	12	120	20	0					●	○	203402	500
	10	10	120	25	0					●	○	203404	500
	12	12	120	25	0					●	○	203406	500
	10	10	120	30	0					●	○	203408	500
	12	12	120	30	0					●	○	203410	500
10-11L 12-11S 12-11L 12-11LL 16-11L 16-11LL	10	10	120	30	0		DC..11T3	T15	M4.0×10	●	○	203412	500
	10	16	120	20	0					●	○	203414	500
	12	16	120	30	0					●	○	203416	500
	12	16	120	42	0					●	○	203418	500
	16	16	120	30	0					●	○	203420	500
	16	16	140	42	0					●	○	203422	500

Y-SDJC-OH2型 (内部给油型)

Y轴刀杆

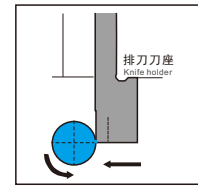
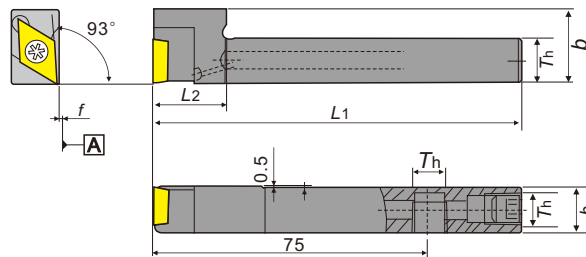


· 图示为右手刀
· Right hand knife shown
· 左手刀杆适用右手刀片或无左右手型刀片
· Left-handed Insert shank suitable for right-hand Inserts or without left-handed Inserts

Y-SDJC-OH型 (内部给油型)

Y轴刀杆

Th (螺纹式样)
Rc1/8 (PT1/8)



· 图示为右手刀
· Right hand knife shown
· 左手刀杆适用右手刀片或无左右手型刀片
· Left-handed Insert shank suitable for right-hand Inserts or without left-handed Inserts

刀杆尺寸 Cutter bar size

刀杆形状 Cutter bar shape	刀杆型号 Cutter bar model	尺寸 (mm) Dimensions (mm)						适用刀片 Suitable Insert	零部件 Components and parts		库存 Stock		编码 Encoded	价格 Price
		h	b	L1	h1	f	L2		紧固螺丝 Fastening screw	扳手 Spanner	R	L		
图-1	Y-SDJCR ^L 1212H 11S-OH2	12	12	100	-	-	20.0	DC..11T3	M4.0x10	T15 L4	●			
图-2	Y-SDJCR ^L 1212H 11S-OH	12	12	100	-	0.0	20.0	DC..11T3	M4.0x10	T15 L4	●			
	1616H 11-OH	16	16	100	-	0.0	25.0				●			

Y轴刀柄

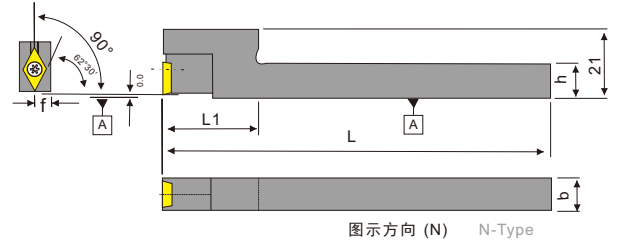
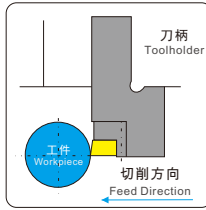
前车削 | 后车削 | 螺纹车削 | 切槽切断

Before turning | After turning | Thread turning | Grooving and Cut-off

Y-SDNCN 型

Y-SDNCN Type

刀片 (Inserts): A21-A22
零配件 (Toolholder Parts): P03-P06



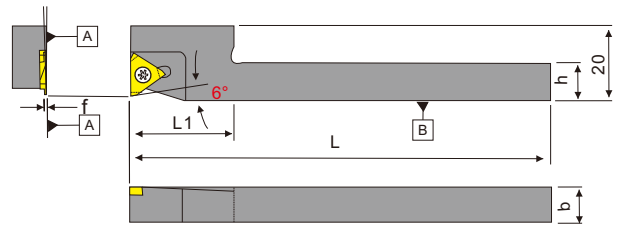
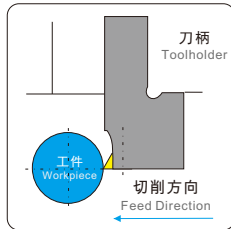
图示方向 (N) N-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number	Price (RMB)
	h	b	L	L1	f	R				L			
Y-SDNCN 12-11S	12	12	120	20	6.0	DC..11T3	T15	M4.0×10	●	○	203424	500	
16-11L	16	16	120	30	8.0				●	○			203426

Y-KTGFR/GTTR 型

Y-KTGFR/GTTR Type

刀片 (Inserts): A35
零配件 (Toolholder Parts): P03-P06



图示方向 (R) R-Type

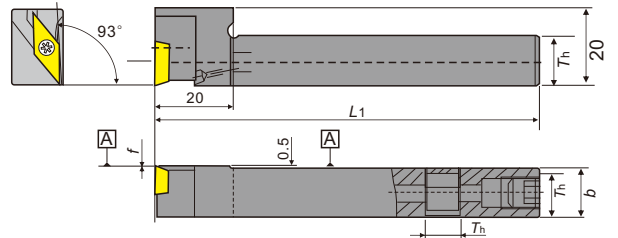
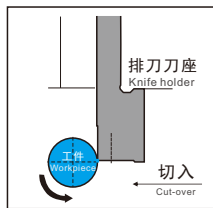
刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number	Price (RMB)	
	h	b	L	L1	f	R				L				
Y-GTTR 10S	10	10	120	20	-	GTM..	T15	M4.0×10	●	○	203512	500		
10	10	10	120	25	-				●	○			203514	500
10L	10	10	120	30	-				●	○			203516	500
12S	12	12	120	20	-				●	○			203518	500
12	12	12	120	25	-				●	○			203520	500
12L	12	12	120	30	-				●	○			203522	500
Y-KTGFR 10JX16	10	10	120	25	-	TGF32R..	T15	M4.0×10	●	○				
12JX16	12	12	120	30	-				●	○				

Y-SVJC-OH型 (内部给油型)

Y轴刀杆

刀片 (Inserts): A29-A32
零配件 (Toolholder Parts): P03-P06

Th (螺纹式样)
Rc1/8 (PT1/8)



· 图示为右手刀 · Right hand knife shown

刀杆形状 Cutter bar shape	刀杆型号 Cutter bar model	尺寸 (mm) Dimensions (mm)					适用刀片 Suitable Insert	零部件 Components and parts			库存 Stock		编码 Encoded	价格 Price
		h	b	L1	h1	f		紧固螺丝 Fastening screw	扳手 Spanner	R	L			
	Y-SVJCR 1212H 11S-OH	12	12	100	-	0.0	VC..1103	M2.5x6	T8	●	○			
	1616H 11S-OH	16	16	100	-	0.0				●	○			

车削刀柄

CSV
凸轮车床
刀具

DS
刀柄

正面排刀

Y轴刀柄

前车削

后车削

小径切槽
切断
螺纹

小孔加工

滚花成型

焊接车刀
夹头

外圆车削

内孔车削

螺纹车削

切槽切断

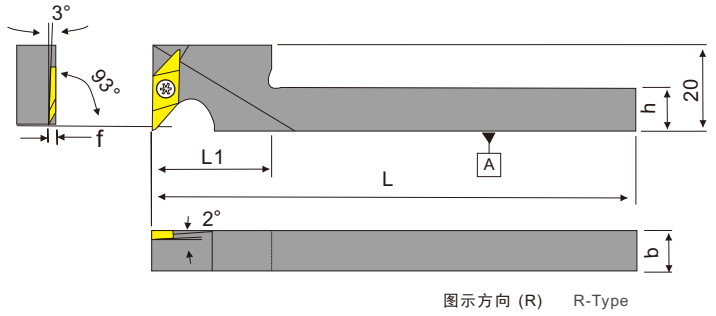
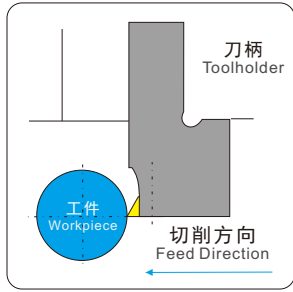
端面切槽

阻尼模组

Y-TBPR 型

Y-TBPR Type

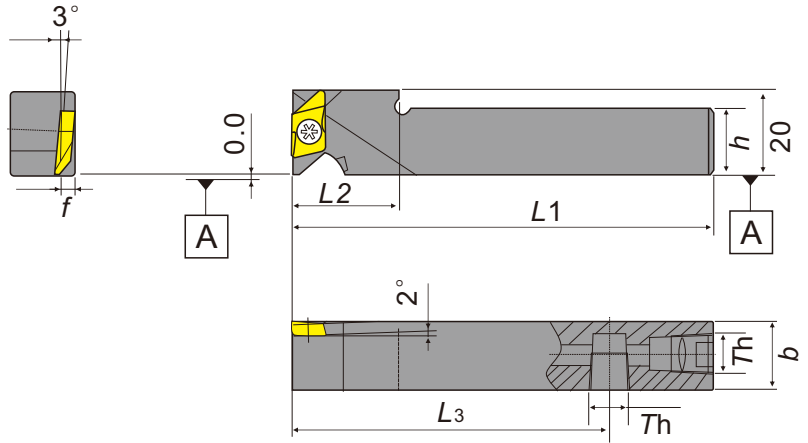
后扫刀
Back Sweep



图示方向 (R) R-Type

Y-TBP-OH 型 (内部给油型)

TBP type - OH type (internal oil supply type)



Th (螺纹式样) Thread pattern
□12, □16刀杆: Rc1/8 (PT1/8)

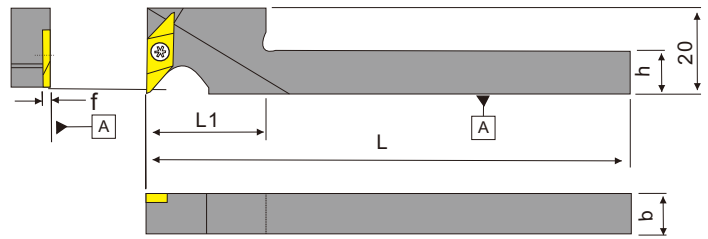
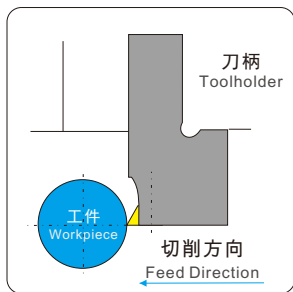
刀片 (Inserts): AB36
零配件 (Toolholder Parts): P03-P06

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number	Price (RMB)
	h	b	L	L1	f	R				L			
Y-TBPR 10S 12S 10 12 10L 12L	10	10	120	20	3.5	TBP..	T15	M4.0×10	●	○	203500	500	
	12	12	120	20	3.5				●	○	203502	500	
	10	10	120	25	3.5				●	○	203504	500	
	12	12	120	25	3.5				●	○	203506	500	
	10L	10	120	30	3.5				●	○	203508	500	
	12L	12	120	30	3.5				●	○	203510	500	
Y-TBPR 12H-OH 16H-OH	12	12	100	20	3.5	TBP..	T15	M4.0×10	●	○			
	16	16	100	25	3.5				●	○			

Y-GTPA 型

Y-GTPA Type

多功能型
Multifunctional



图示方向 (R) R-Type

刀片 (Inserts): AB36
零配件 (Toolholder Parts): P03-P06

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number	Price (RMB)
	h	b	L	L1	f	R				L			
Y-GTPA 1216	12	16	120	20	-	GTPA..	T15	M4.0×10	●	○	203524	500	

车削
刀柄

CSV
凸轮
车削
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
成型

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
成型

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
成型

焊接
车刀
夹头

外圆
车削

内孔
车削

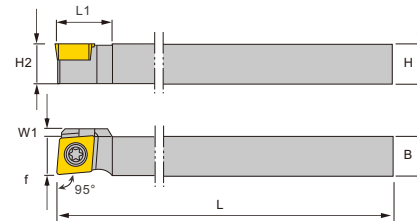
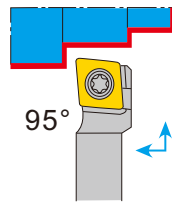
螺纹
车削

切槽
切断

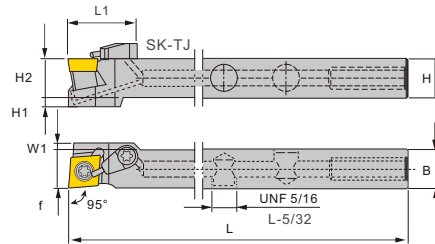
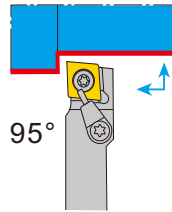
端面
切槽

阻尼
模组

■ SCLCR-N 型 SCLCR-N Type



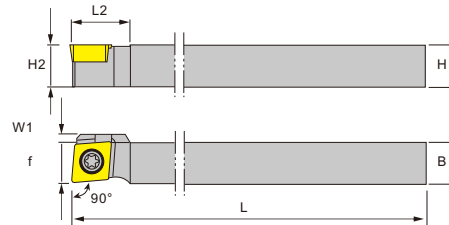
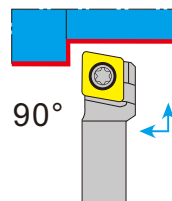
■ SCLCR-N-TH 型 SCLCR-N-TH Type



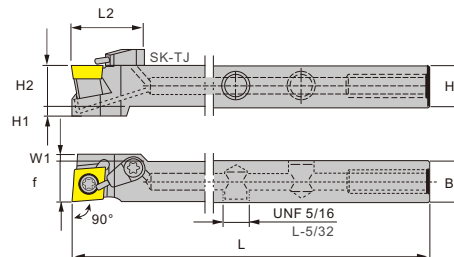
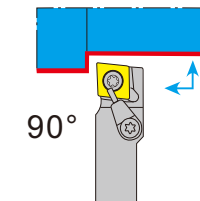
刀片 (Inserts): A19-A20 零配件 (Toolholder Parts): P03-P06

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number	Price (RMB)		
	H=B=H2	H1	L	L1	W1	f	R				L					
SCLCR/L 0808JX06N	8	-	120	10	-	8	CC..0602..	T8	M2.5×6	●	●	204100	150			
	1010JX06N	10	-	120	10	-				10	●			●	204102	125
	1212JX06N	12	-	120	13	-				12	●			●	204104	125
	1010JX09N	10	-	120	15	2				10	●			●	204106	125
小径切槽切断螺纹	1212JX09N	12	-	120	16	-	12	CC..09T3..	T15	M4×10	●	●	204108	125		
	1616JX09N	16	-	120	16	-	16				●	●			204110	140
SCLCR/L 1212K09N-TH	12	3	125	23	2	12	CC..09T3..	T15	M4×10	●	●					
	1616K09N-TH	16	-	125	23	-				16	●			●		

■ SCACR/L-N 型 SCACR/L-N Type



■ SCACR/L-N-TH 型 SCACR/L-N-TH Type



刀片 (Inserts): A19-A20 零配件 (Toolholder Parts): P03-P06

刀把型号 Ordering code	尺寸 Dimensions									刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number	
	H	H2	H1	B	L	L2	f	W1	R				L			
SCACR/L 1010 JX06N	10	10	-	10	120	10	10	-	CC..T 0602..	T8	M2.5×6	●	●			
	1010 JX09N	10	10	-	10	120	15	10				2	●			●
	1212 JX09N	12	12	-	12	120	15	12				-	●			●
	1616 JX09N	16	16	-	16	120	16	16				-	●			●
SCACR/L 1212 K09N-TH	12	12	3	12	125	23	12	2	CC..T 09T3..	T15	M4×10	●	●			
	1616 K09N-TH	16	16	-	16	125	23	16				-	●			●

SCLC-OH2型(内部给油型)

Internal oil supply type

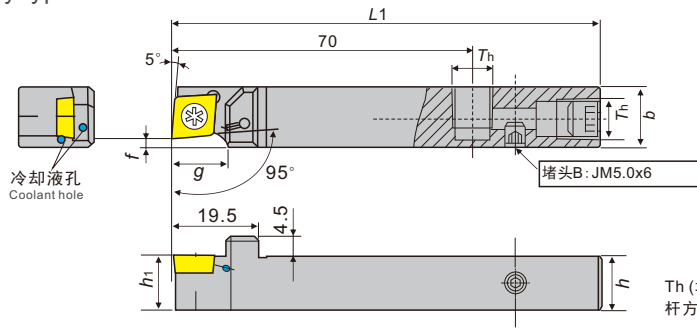
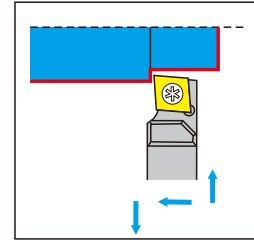


Fig.1



Th (堵头A) Plug
杆方1214/1616 PT1/8 (Rc1/8)

· 图示为右手刀
· Right hand knife shown

SCLC-OH型(内部给油型)

Internal oil supply type

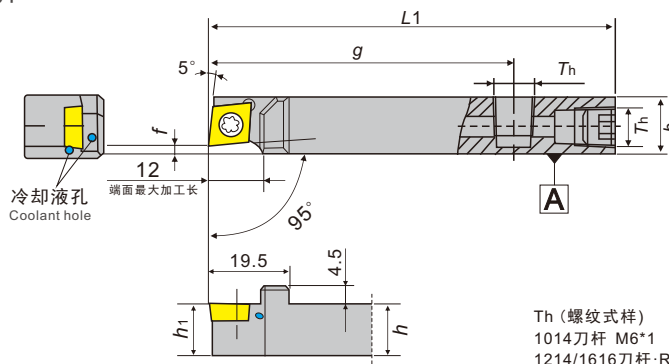
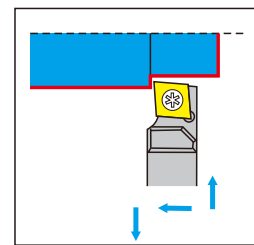


Fig.2



· 图示为右手刀
· Right hand knife shown

SCLC-F型

SCLC-N-F type

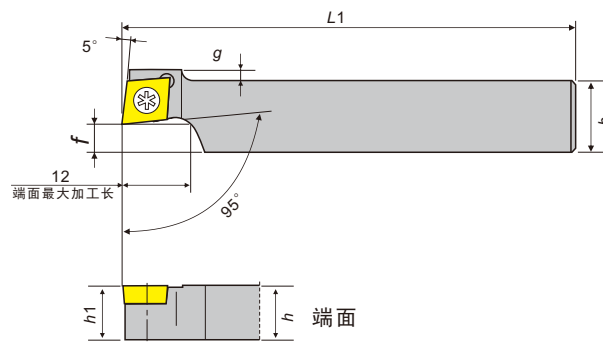
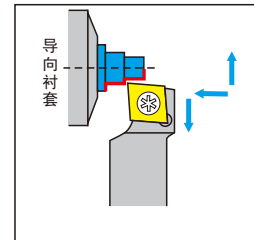


Fig.3



· 图示为右手刀
· Right hand knife shown

刀片 (Inserts): A19-A20 零配件 (Toolholder Parts): P03-P06

刀杆形状 Cutter bar shape	刀杆型号 Cutter bar model	尺寸(mm) Dimensions (mm)						适用刀片 Suitable Insert	零部件 Components and parts		库存 Stock		编码 Encoded	价格 Price
		h	b	L ₁	h ₁	f	g		紧固螺丝 Fastening screw	扳手 Spanner	R	L		
Fig.1	SCLC ^{R/L} 1214H 09-F02-OH2	12	14	100	12	2.0	12	CC..09T3	M4.0x10	T15	●			
	1616JX 09-F02-OH2	16	16	120	16	2.0	17.7				●			
Fig.2	SCLC ^{R/L} 1014F 09-F02-OH	10	10	80	10	2.0	55	CC..09T3	M4.0x10	T15	●			
	1214H 09-F02-OH	12	12	100	12	2.0	75				●			
Fig.3	SCLC ^{R/L} 1015JX 09-F05	10	10	120	10	5.0	2	CC..09T3	M4.0x10	T15	●			
	1020JX 09-F10	10	10	120	10	10.0	2				●			
	1218JX 09-F06	12	12	120	12	6.0	0				●			
	1224JX 09-F12	12	12	120	12	12.0	0				●			

车削刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
成型

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

SDJC型

SDJC-D/SDJC22411

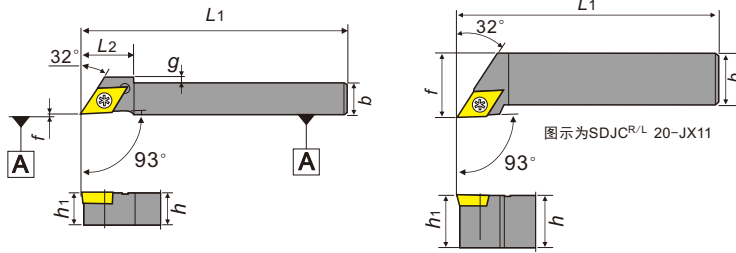
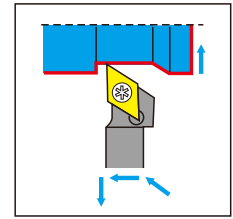


Fig.1



· 图示为右手刀
· Right hand knife shown

SDJC-OH2型 (内部给油型)

SDJC-OH2 type
(Internal oil supply type)

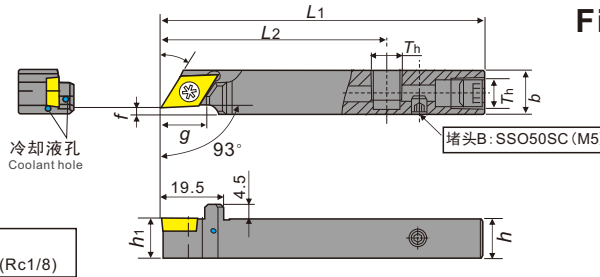
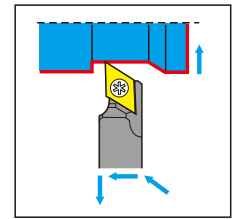


Fig.2



· 图示为右手刀
· Right hand knife shown

SDJC-OH型 (内部给油型)

SDJC-N-OH type
(Internal oil supply type)

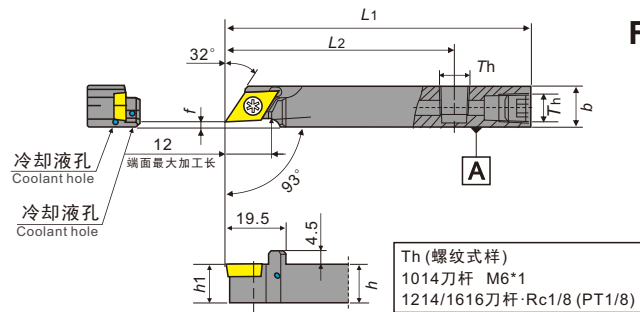
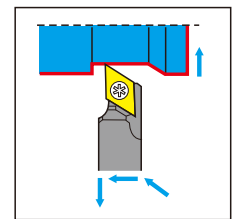


Fig.3



· 图示为右手刀
· Right hand knife shown

SDJC-F型

SDJC-F type

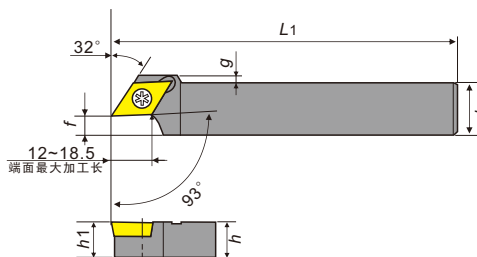
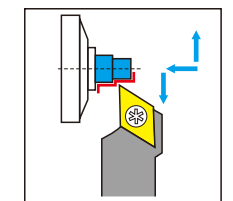


Fig.4



· 图示为右手刀
· Right hand knife shown

刀片 (Inserts): A21-A22
零配件 (Toolholder Parts): P03-P06

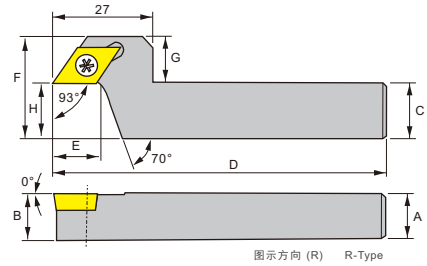
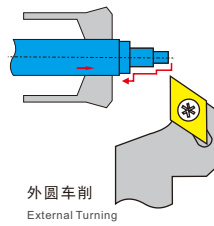
刀杆形状 Cutter bar shape	刀杆型号 Cutter bar model	尺寸 (mm) Dimensions (mm)							适用刀片 Suitable Insert	零部件 Components and parts			库存 Stock		编码 Encoded	价格 Price
		h	b	L1	h1	f	h2	g		紧固螺丝 Fastening screw	扳手 Spanner	R	L			
Fig.1	SDJCR/L 0808JX 07N	8	8	120	8	0	-	0	DC..0702	M2.5x6	T8	●	●			
	1010JX 07N	10	10	120	10	0	-	0								
	1010GX 07N	10	10	85	10	0	-	0								
	1212JX 07N	12	12	120	12	0	-	0								
	1010JX 11N	10	10	120	10	0	19	2								
Fig.2	1010H 11N	10	10	100	10	0	19	2	DC..11T3	M4.0x10	T15	●	●			
	1012JX 11N	10	12	120	10	0	-	0								
	1212JX 11N	12	12	120	12	0	-	0								
	1212GX 11N	12	12	85	12	0	-	0								
	1216GX 11N	12	16	85	12	0	-	0								
	1616JX 11N	16	16	120	16	0	-	0								
	2020JX 11	20	20	120	20	25	-	-								
	SDJCR/L 1214H 11-F02-OH2	12	14	100	12	2	70	16								
1616JX 11-F02-OH2	16	16	120	16	2	70	18.4									
Fig.3	SDJCR/L 1014F 11-F02-OH	10	14	80	10	2	55	16	DC..11T3	M4.0x10	T15	●	●			
	1014H 11-F02-OH	12	14	100	12	2	75	16								
	1016H 11-F02-OH	16	16	100	16	2	75	18.4								
	SDJCR/L 1015JX 07-F05	10	15	120	10	5	-	0								
Fig.4	1020JX 07-F10	10	20	120	10	10	-	0	DC..0702	M2.5x6	T8	●	●			
	1015JX 11-F05	10	15	120	10	5	19	2								
	1020JX 11-F10	10	20	120	10	10	19	2								
	1218JX 11-F06	12	18	120	12	6	-	0								
	1224JX 11-F12	12	24	120	12	12	-	0								
	1620JX 11-F08	16	20	120	16	8	-	0								
	1628JX 11-F16	16	28	120	16	16	-	0								

前车削加工 Front Turning

前车削刀柄 Before turning Toolholder

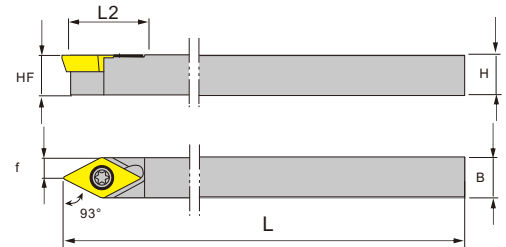
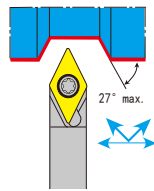
SDJC-F型 SDJC-F type

刀片 (Inserts): A21-A22
零配件 (Toolholder Parts): P03-P06



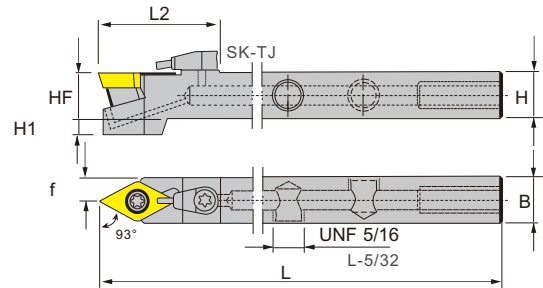
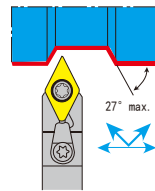
刀把型号 Ordering code	尺寸 Dimensions								刀片 Insert	扳手 Wrench	螺丝 Screw	Stock	Order Number	Price (RMB)
	A	B	C	D	E	F	G	H						
SDJCR 1216JX11-F05	12	12	16	120	12.6	18	2	5	DC..11T3..	T15	M4×10	●	204220	500
	12	12	16	120	12.6	28	12	15				●	204222	500
	16	16	20	120	12.6	20	-	5				●	204224	500
	16	16	20	120	12.6	28	8	15				●	204226	500

SDNCN型 SDNCN-S Type



SDNCN-N-TH型 SDNCN-S-TH Type

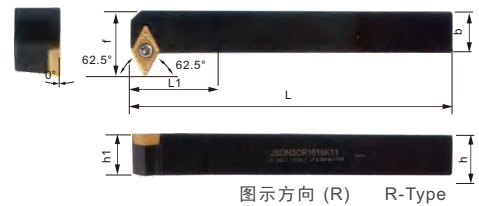
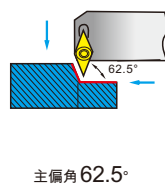
刀片 (Inserts): A21-A22
零配件 (Toolholder Parts): P03-P06



刀把型号 Ordering code	尺寸 Dimensions								刀片 Insert	螺丝 Screw	扳手 Wrench	Stock	Order Number
	H	HF	H1	B	L	L2	f						
SDNCN 0808 JX07N	8	8	-	8	120	12.7	8	DC..0702..	M2.5×6	T8	●		
	10	10	-	10	120	15	10				●		
	10	10	-	10	120	20	10				●		
	12	12	-	12	120	20	12				●		
SDNCN 1212 JX11N	12	12	-	12	120	20	12	DC..11T3..	M4×10	T15	●		
	16	16	-	16	120	20	16				●		
	12	12	4	12	120	19	12				●		
	16	16	-	16	120	19	16				●		

JSDN3CR/L型 JSDN3CR/L Type

外圆车削
External Turning



刀片 (Inserts): A21-A22 零配件 (Toolholder Parts): P03-P06

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number	Price (RMB)
	h	b	L	L1	h1	f				R	L		
JSDN3CR/L 1212K07	12	12	125	12	12	18	DC..0702..	T8	M2.5×7	●	●	204400	220
	16	16	125	15	16	25				DC..11T3..	T15		

车削刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
成型

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

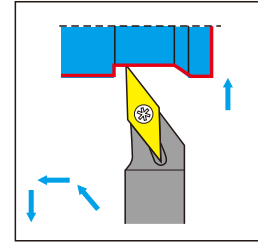
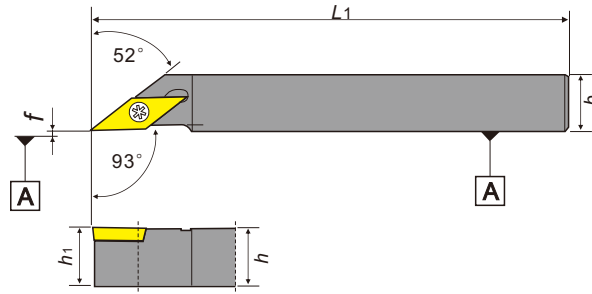
端面
切槽

阻尼
模组

- 车削刀柄
- CSV 凸轮车床刀具
- DS 刀柄
- 正面排刀
- Y轴刀柄
- 前车削
- 后车削
- 小径切槽切断螺纹
- 小孔加工
- 滚花成型
- 焊接车刀夹头
- 外圆车削
- 内孔车削
- 螺纹车削
- 切槽切断
- 端面切槽
- 阻尼模组

SVJC-N型

SVJC-N type

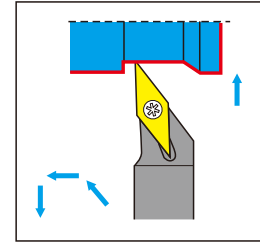
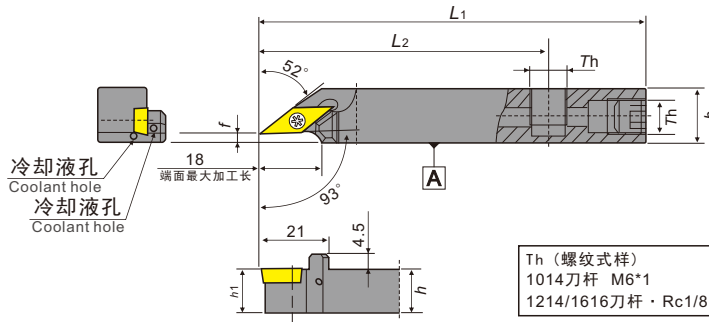


· 图示为右手刀
· Right hand knife shown

Fig-1

**SVJC-F-OH型
(内部给油型)**

SVJC-F-OH type
(Internal oil supply type)



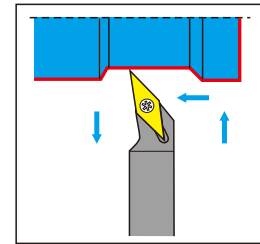
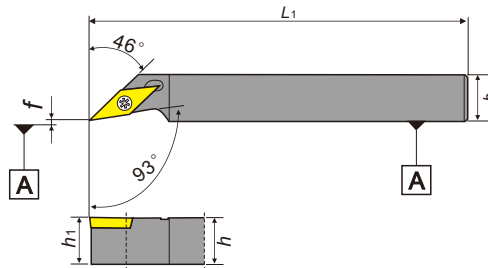
· 图示为右手刀
· Right hand knife shown

Fig-2

Th (螺纹式样)
1014刀杆 M6*1
1214/1616刀杆 · Rc1/8 (PT1/8)

SVXC-N型

SVXC-N type

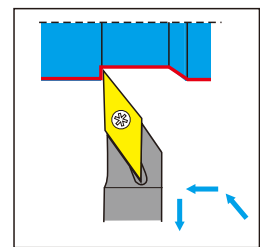
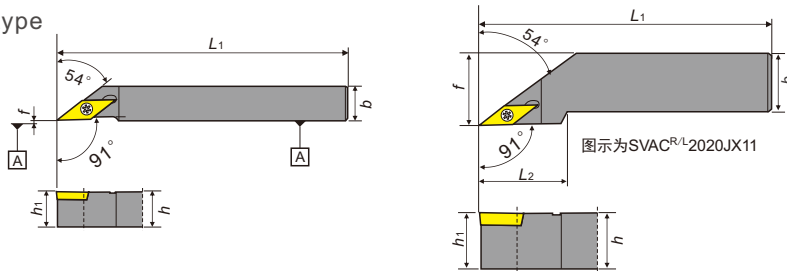


· 图示为右手刀
· Right hand knife shown

Fig-3

SVAC-N型/SVAC型

SVAC-N type/SVAC type



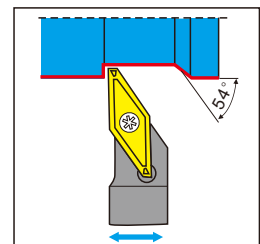
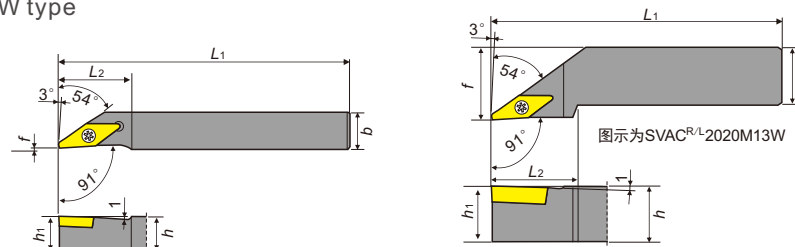
· 图示为右手刀
· Right hand knife shown

Fig-4

SVAC-N型/SVAC-W型

SVAC-N type/SVAC-W type

双刃刀具
VCGT1302用



· 图示为右手刀
· Right hand knife shown

Fig-5

SVAC-N-02型

SVAC-N-02 type

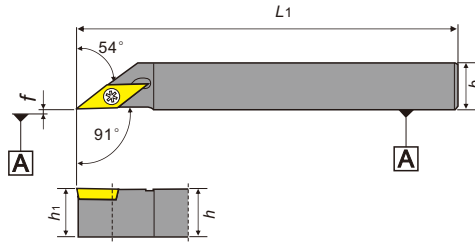
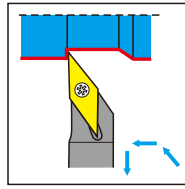


Fig-6

· 图示为右手刀
* Right hand knife shown

SVQC型

SVQC type

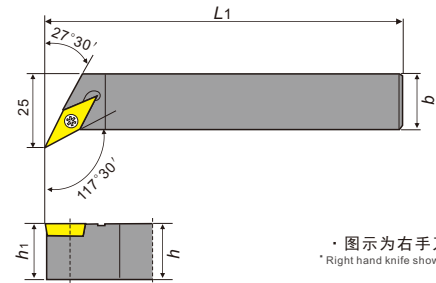
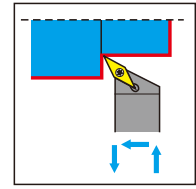


Fig-7

· 图示为右手刀
* Right hand knife shown



刀片 (Inserts): A29-A32
零配件 (Toolholder Parts): P03-P06

刀杆形状 Cutter bar shape	刀杆型号 Cutter bar model	尺寸 (mm) Dimensions (mm)						适用刀片 Suitable Insert	零部件 Components and parts			库存 Stock		编码 Encoded
		h	b	L ₁	h ₁	f	L ₂		紧固螺丝 Fastening screw	扳手 Spanner	R	L		
Fig-1	SVJC ^{R/L} 0808H 11N	8	8	100	8	0.0	-	VC..1103	M2.5x6	T8	●			
	1010JX 11N	10	10	120	10	0.0	-				●	●		
	1212JX 11N	12	12	120	12	0.0	-				●	●		
	1616JX 11N	16	16	120	16	0.0	-				●	●		
Fig-2	SVJC ^{R/L} 1014F 11-F02-OH	10	14	80	10	2.0	55	VC..1103	M2.5x6	T8	●			
	1214H 11-F02-OH	12	14	100	12	2.0	75				●			
	1616H 11-F02-OH	16	16	100	16	2.0	75				●			
Fig-3	SVXC ^{R/L} 1012JX 11N	10	12	120	10	0.0	-	VC..1103	M2.5x6	T8	●	●		
	1212JX 11N	12	12	120	12	0.0	-				●			
Fig-4	SVAC ^{R/L} 1010JX 11N	10	10	120	10	0.0	-	VC..1103	M2.5x6	T8	●	●		
	1212JX 11N	12	12	120	12	0.0	-				●	●		
	1616JX 11N	16	16	120	16	0.0	-				●			
	2020JX 11	20	20	120	20	25.0	30				●			
Fig-5	SVAC ^{R/L} 1010L 13N	10	10	140	10	0.0	25	VC..1303	M3.0x8	T10	●	●		
	1212L 13N	12	12	140	12	0.0	25				●	●		
	1616M 13N	16	16	140	16	0.0	25				●	●		
	2020M 13W	20	20	150	20	25.0	30				●			
Fig-6	SVAC ^{R/L} 1010JX 11N-02	10	10	120	10	0.0	-	VC..1102	M2.5x6	T8	●	●		
	1212JX 11N-02	12	12	120	12	0.0	-				●	●		
Fig-7	SVQC ^{R/L} 2020JX 11	20	20	120	20			VC..1103	M2.5x6	T8	●			

车削刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
成型

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

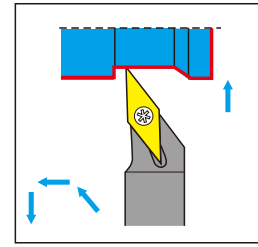
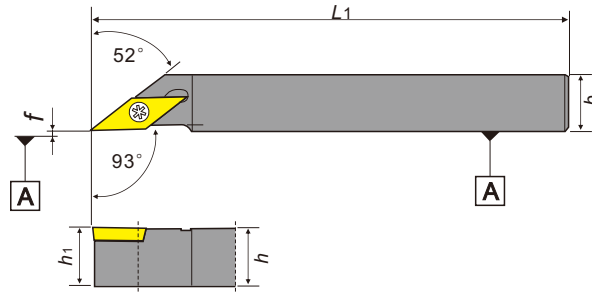
端面
切槽

阻尼
模组

- 车削刀柄
- CSV 凸轮车床刀具
- DS 刀柄
- 正面排刀
- Y轴刀柄
- 前车削
- 后车削
- 小径切槽切断螺纹
- 小孔加工
- 滚花成型
- 焊接车刀夹头
- 外圆车削
- 内孔车削
- 螺纹车削
- 切槽切断
- 端面切槽
- 阻尼模组

SVJB-N型

SVJB-N type

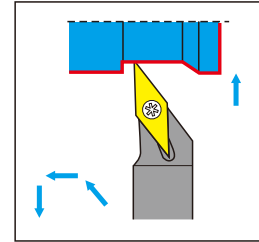
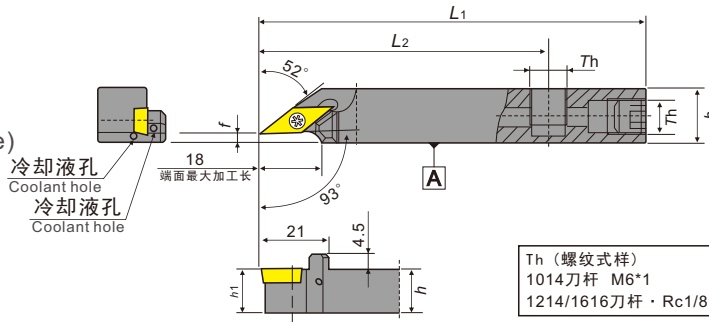


· 图示为右手刀
· Right hand knife shown

Fig-1

**SVJB-F-OH型
(内部给油型)**

SVJB-F-OH type
(Internal oil supply type)



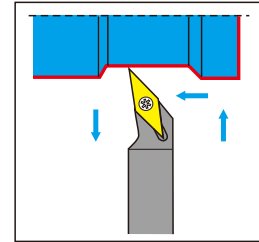
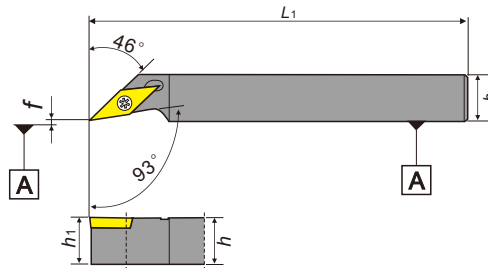
· 图示为右手刀
· Right hand knife shown

Fig-2

Th (螺纹式样)
1014刀杆 M6*1
1214/1616刀杆 · Rc1/8 (PT1/8)

SVXB-N型

SVXB-N type

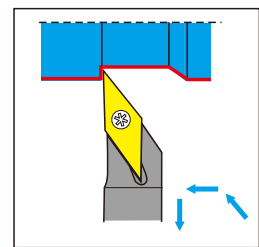
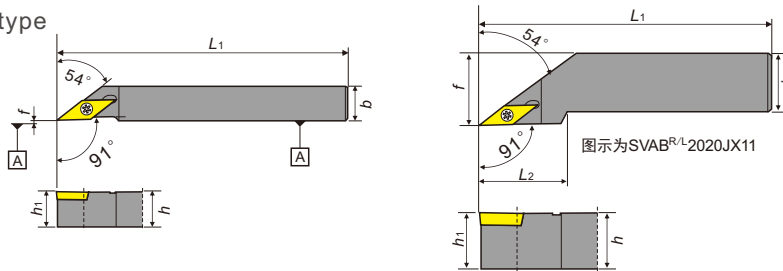


· 图示为右手刀
· Right hand knife shown

Fig-3

SVAB-N型/SVAB型

SVAB-N type/SVAB type



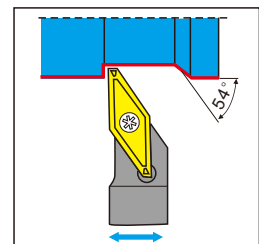
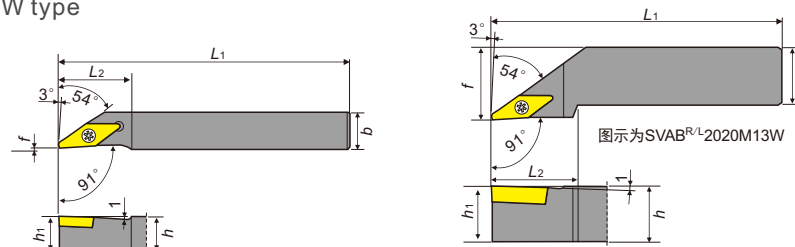
· 图示为右手刀
· Right hand knife shown

Fig-4

SVAB-N型/SVAB-W型

SVAB-N type/SVAB-W type

双刃刀具
VBGT1302用



· 图示为右手刀
· Right hand knife shown

Fig-5

SVAB-N-02型

SVAB-N-02 type

VBGT1102用

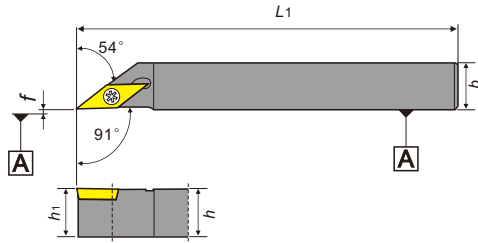
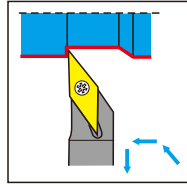


Fig-6

· 图示为右手刀
* Right hand knife shown

SVQB型

SVQB type

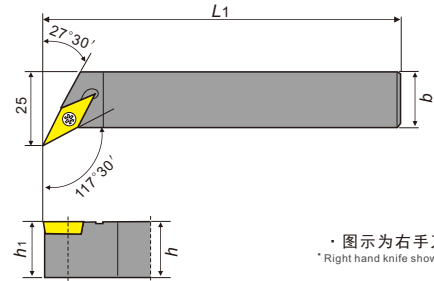
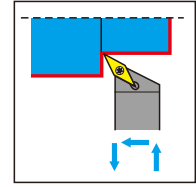


Fig-7

· 图示为右手刀
* Right hand knife shown



刀片 (Inserts): A29-A32

零配件 (Toolholder Parts): P03-P06

刀杆形状 Cutter bar shape	刀杆型号 Cutter bar model	尺寸 (mm) Dimensions (mm)						适用刀片 Suitable Insert	零部件 Components and parts			库存 Stock		编码 Encoded
		h	b	L ₁	h ₁	f	L ₂		紧固螺丝 Fastening screw	扳手 Spanner	R	L		
Fig-1	SVJB ^{R/L} 0808H 11N	8	8	100	8	0.0	-	VB..1103	M2.5x6	T8	●			
	1010JX 11N	10	10	120	10	0.0	-				●	●		
	1212JX 11N	12	12	120	12	0.0	-				●	●		
	1616JX 11N	16	16	120	16	0.0	-				●	●		
Fig-2	SVJB ^{R/L} 1014F 11-F02-OH	10	14	80	10	2.0	55	VB..1103	M2.5x6	T8	●			
	1214H 11-F02-OH	12	14	100	12	2.0	75				●			
	1616H 11-F02-OH	16	16	100	16	2.0	75				●			
Fig-3	SVXB ^{R/L} 1012JX 11N	10	12	120	10	0.0	-	VB..1103	M2.5x6	T8	●	●		
	1212JX 11N	12	12	120	12	0.0	-				●			
Fig-4	SVAB ^{R/L} 1010JX 11N	10	10	120	10	0.0	-	VB..1103	M2.5x6	T8	●	●		
	1212JX 11N	12	12	120	12	0.0	-				●	●		
	1616JX 11N	16	16	120	16	0.0	-				●			
	2020JX 11	20	20	120	20	25.0	30				●			
Fig-5	SVAB ^{R/L} 1010L 13N	10	10	140	10	0.0	25	VB..1303	M3.0x8	T10	●	●		
	1212L 13N	12	12	140	12	0.0	25				●	●		
	1616M 13N	16	16	140	16	0.0	25				●	●		
	2020M 13W	20	20	150	20	25.0	30				●			
Fig-6	SVAB ^{R/L} 1010JX 11N-02	10	10	120	10	0.0	-	VB..1102	M2.5x6	T8	●	●		
	1212JX 11N-02	12	12	120	12	0.0	-				●	●		
Fig-7	SVQB ^{R/L} 2020JX 11	20	20	120	20			VB..1103	M2.5x6	T8	●			

车削刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
成型

焊接
车刀
夹头

外圆
车削

内孔
车削

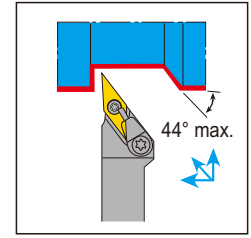
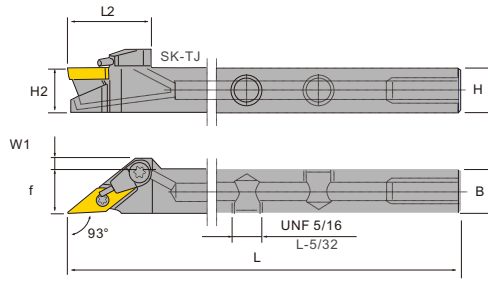
螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

SVJBR/L-N-TH 型 SVJCR/L-N-TH 型



刀片 (Inserts): A29-A32 零配件 (Toolholder Parts): P03-P06

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number	Price (RMB)
	H	H2	B	L	L2	f	W1				R	L		
SVJBR/L 1212 K11N-TH 1616 K11N-TH	12	12	12	125	23.6	12	3	VB...1103...	T8	M2.5x6	●	○		
	16	16	16	125	23.6	16					●	○		
SVJCR/L 1212 K11N-TH 1616 K11N-TH 2020 K11N-TH	12	12	12	125	23.6	12	3	VC...1103...	T8	M2.5x6	●	○		
	16	16	16	125	23.6	16					●	○		
	20	20	20	125	23.6	20					●	○		

SVXP-N型

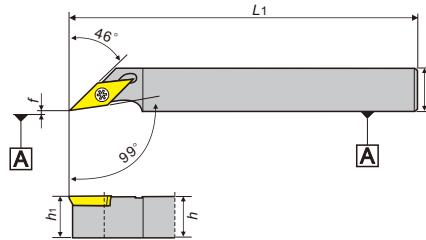
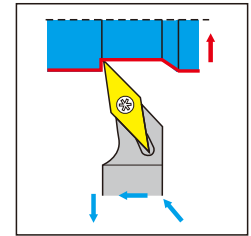


Fig.1



· 图示为左手刀
* Left hand knife shown

SVQP-N型

让位槽加工尺寸表
(Table of machining dimensions for the clearance slot)

刀尖R角 Insert tip R angle	ap	φD _i (Min.)
0.05	0.2	2.5
	0.5	4.5
0.08	0.2	2.5
	0.5	4.5
0.18	0.2	3.5
	0.5	5.5
0.2	0.2	3.5
	0.5	5.5

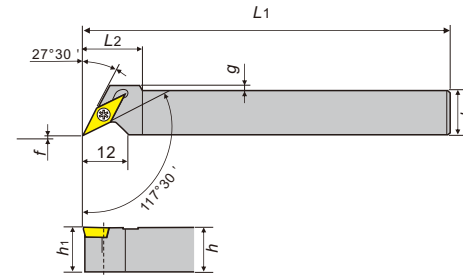
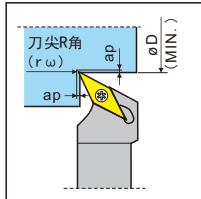
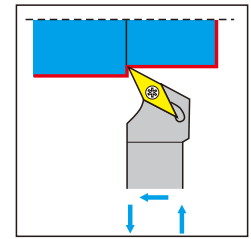


Fig.2



· 图示为左手刀
* Left hand knife shown

CH-SVUP型

正面排刀用
For front cutting arrangement

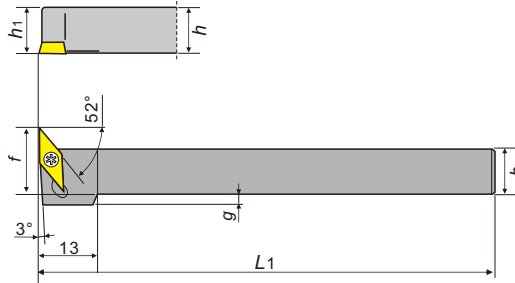
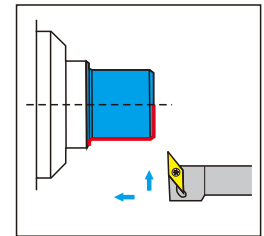


Fig.3



· 图示为左手刀
* Left hand knife shown

刀片 (Inserts): A29-A32 零配件 (Toolholder Parts): P03-P06

形状 Shape	刀杆型号 Cutter bar model	尺寸 (mm) Dimensions (mm)						适用刀片 Suitable Insert	零部件 Components and parts		库存 Stock		编码 Encoded
		h	b	L ₁	h ₁	f	g		紧固螺丝 Fastening screw	扳手 Spannerwrench	N		
Fig.1	SVXPR/L 1012JX 11N	10.0	12	120	10	0.0	-	VP..1103	M2.5x6	T8	●	●	
	1212JX 11N	12.0	12	120	12	0.0	-				●	●	
Fig.2	SVQPR/L 1010JX 08N	10.0	10	120	10	0.0	3.5	VP..0802	M2.0x5	T6	●	●	
	1212JX 08N	12.0	12	120	10	0.0	1.5				●	●	
	1616JX 08N	16.0	16	120	10	0.0	-				●	●	
Fig.3	CH-SVUPR/L 1010H 08	10.0	10	100	10	15	2	VP..0802	M2.0x5	T6	●	●	
	1212H 08	12.0	12	100	12	17	0				●	●	

车削
刀具

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
成型

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

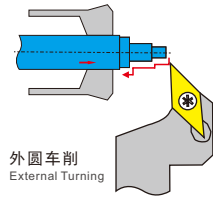
阻尼
模组

前车削加工 Front Turning

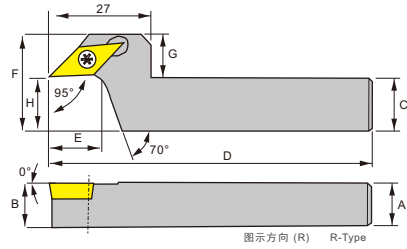
前车削刀柄 Before turning Toolholder

SVLBR-F 型

SVLBR-F Type



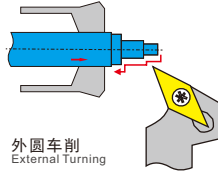
外圆车削
External Turning



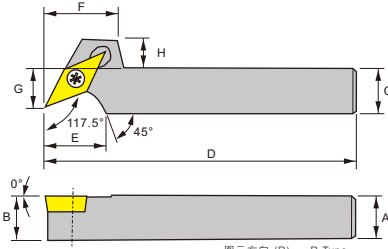
图示方向 (R) R-Type

SVPCR-F 型

SVPCR-F Type



外圆车削
External Turning

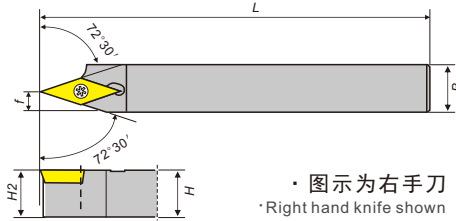


图示方向 (R) R-Type

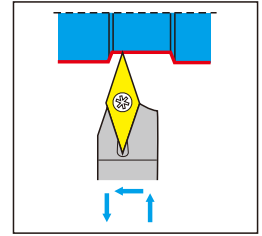
刀片 (Inserts): A29-A32 零配件 (Toolholder Parts): P03-P06

刀把型号 Ordering code	尺寸 Dimensions								刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number	Price (RMB)	
	A	B	C	D	E	F	G	H				R	L			
SVLBR 1216JX11-F15	12	12	16	120	12	26	10	15	VB...1103..	T8	M2.5×6	●	●	204330	500	
	1620JX11-F15	16	16	20	120	12	26	6				15	●	●	204332	500
SVPCR 1010JX11-F08	10	10	10	120	16	20	10	8	VB...1103..	T8	M2.5×6	●	●	204334	500	
	1212F11-F06	12	12	12	85	16	20	12				6	●	●	204336	500
	1212JX11-F06	12	12	12	120	16	20	12				6	●	●	204338	500
	1616JX11-F02	16	16	16	120	20	20	16				2	●	●	204339	500

SVVBN 型 SVVCN 型



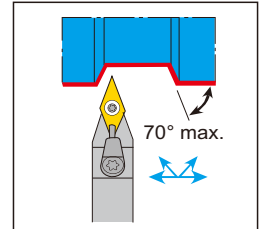
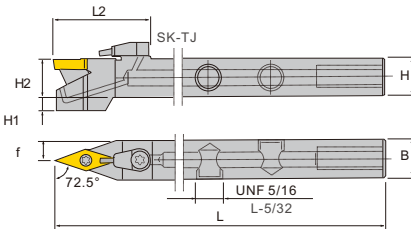
· 图示为右手刀
· Right hand knife shown



刀片 (Inserts): A29-A32 零配件 (Toolholder Parts): P03-P06

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number	Price (RMB)
	H	H2	B	L	L1	f	R/N				L			
SVVBN 1010JX11N	10	10	10	120	22	5	VB...1103...	T8	M2.5×6	●				
	1212JX11N	12	12	12	120	22				6	●			
	1616JX11N	16	16	16	120	22				8	●			
SVVBR/L 1212JX11N	12	12	12	120	22	5	VB...1103...	T8	M2.5×6	●	○			
	1616JX11N	16	16	16	120	22				5	●			○
SVVCN 1010JX11N	10	10	10	120	22	5	VC...1103...	T8	M2.5×6	●				
	1212JX11N	12	12	12	120	22				6	●			
	1616JX11N	16	16	16	120	22				8	●			
SVVBR/L 1212JX11N	12	12	12	120	22	5	VC...1103...	T8	M2.5×6	●	○			
	1616JX11N	16	16	16	120	22				5	●			○

SVVBN-N-TH 型 SVVCN-N-TH 型



刀片 (Inserts): A29-A32 零配件 (Toolholder Parts): P03-P06

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number	Price (RMB)
	H	H2	B	L	L2	f	H1				R	L		
SVVBN 1212 K11N-TH	12	12	12	125	31.5	6	2	VB...1103...	T8	M2.5×6	●	○		
	1616 K11N-TH	16	16	16	125	31.5	8				2	●		
SVVCN 1212 K11N-TH	12	12	12	125	31.5	6	2	VC...1103...	T8	M2.5×6	●	○		
	1616 K11N-TH	16	16	16	125	31.5	8				●	○		
	2020 K11N-TH	20	20	20	125	31.5	10				●	○		

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
成型

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

STXN 型

STXN Type

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
成型

焊接
车刀
夹头

外圆
车削

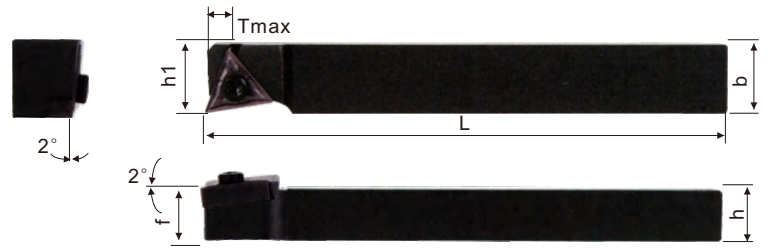
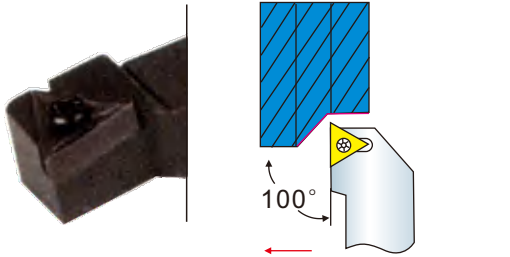
内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组



图示方向 (R) R-Type

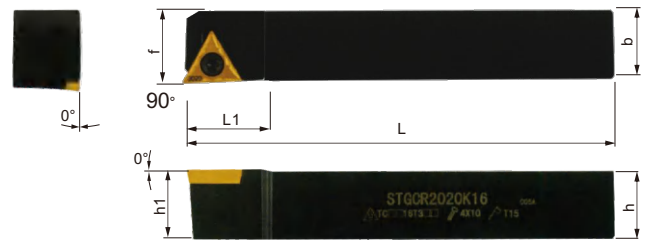
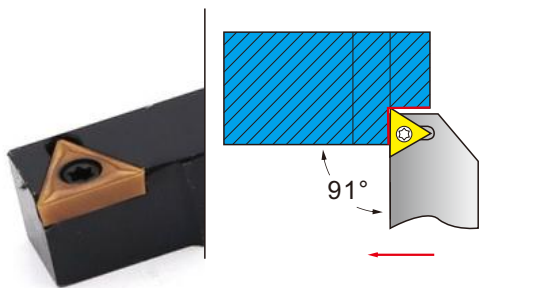
刀片 (Inserts): A09-A12
零配件 (Toolholder Parts): P03-P06

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	扳手 Wrench	螺丝 Screw	Stock	Order Number	Price (RMB)
	h	b	L	L1	h1	f							
STXNR 1016X33N	10	16	120	20	10	16	TN..1604..	T15	M3.5×13T	●	204700	270	
1216X33N	12	16	120	20	12	16				●	204702	270	
1616X33N	16	16	120	20	16	16				●	204704	280	
2020X33N	20	20	120	20	20	20				●	204706	320	

JSTACR/L 型

JSTACR/L Type

外圆车削
External Turning

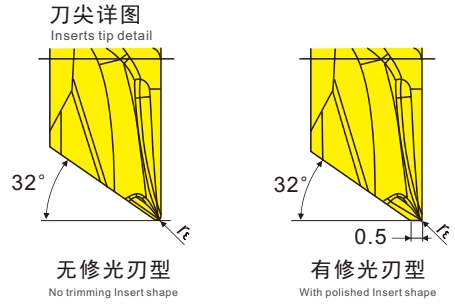
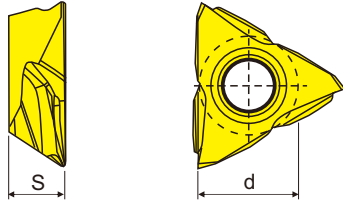


图示方向 (R) R-Type

刀片 (Inserts): A21-A22 零配件 (Toolholder Parts): P03-P06

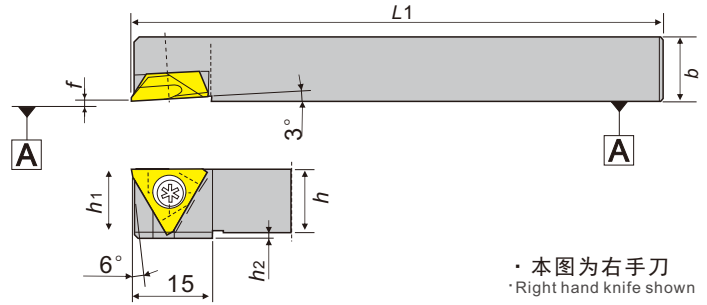
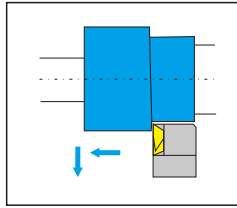
刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number	Price (RMB)
	h	b	L	L1	h1	f	R				L			
JSTACR/L 0808K08	8	8	100	10	8	8	TC..0802..	T6	M2.2×6	●	●	203900	150	
1010K08	10	10	100	10	10	10				●	●	203902	125	
1212K11	12	12	100	12	12	12	TC..1102..	T8	M2.5×7	●	●	203904	125	
1616K11	16	16	100	12	16	16				●	●	203906	140	

TF33型



形状 Form	型号 Model	最大切深量 Maximum cutting depth (mm)	修光刃 Wiper	尺寸 (mm) Cutter bar size			PVD涂层硬质合金 PVD coated cemented carbide			编码 Encoded
				r_e	d	s	ZP15	ZP163		
	TF 3301M 3302M 3304M	5.0	无	0.08	9.525	4.76	●	●		
				0.18	9.525	4.76	●	●		
				0.38	9.525	4.76	●	●		
	TF 3301MW 3302MW 3304MW		有	0.08	9.525	4.76	●	●		
				0.18	9.525	4.76	●	●		
				0.38	9.525	4.76	●	●		

TFT 型

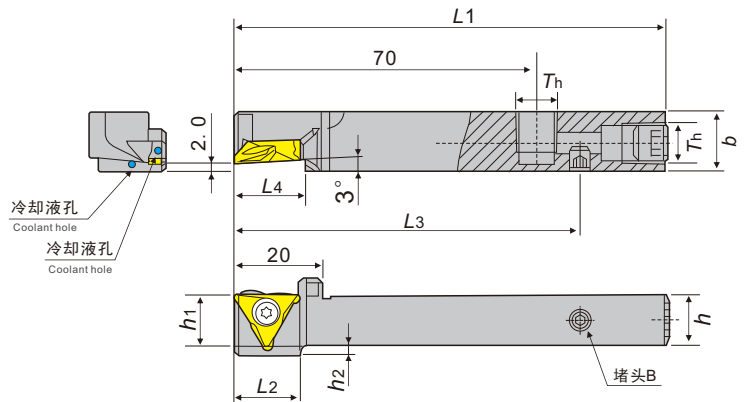
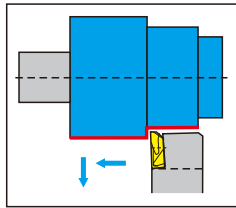


刀片 (Inserts): AB32
零配件 (Toolholder Parts): P03-P06

刀杆型号 Cutter bar model	尺寸 (mm) Cutter bar size						配件 Accessories		可对应工件形状 Can correspond to workpiece shape	库存 Stock	编码 Encoded
	h	b	L_1	f	h_1	h_2	锁紧螺丝 Locking screw	扳手 Spanner			
TFTR 10	10	10	120	0.0	10	3	M4.0x10	T15	不可进行仿形加工 (向X坐标正方向的仿形可以) Do not perform profiling processing (Profiling in the positive direction of the X coordinate can be performed)	●	
12	12	12	120	0.0	12	1				●	
16	16	16	120	0.0	16	-				●	
20	20	20	120	0.0	20	-				●	

TFTR-OH2型

内部给油型
Internal oil supply type



刀片 (Inserts): AB32
零配件 (Toolholder Parts): P03-P06

刀杆型号 Cutter bar model	尺寸 (mm) Cutter bar size								配件 Accessories				库存 Stock	编码 Encoded
	h	b	L_1	h_1	h_2	L_2	L_3	L_4	锁紧螺丝 Locking screw	扳手 Spanner	堵头A Plug	堵头B Plug		
TFTR 1014H-OH2	10	14	100	10	4	15	80	15	M4.0x10	T15	JM06055C	JM05055C	●	
1214H-OH2	12	14	100	12	2	15	80	15	M4.0x10	T15	PT1/8	(扳手L2.5)	●	
1616H-OH2	16	16	120	16	-	-	100	17.5	M4.0x10	T15	PT1/8		●	

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
成型

焊接
车刀
夹头

外圆
车削

内圆
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

小零件加工用 后扫工具 Rear scanning tool for small parts processing

最大切深量的大概值 Approximate value of maximum cutting depth

最大切深量=有效切削长×大概值

Maximum cutting depth=effective cutting edge length × Approximate value

被切削材料 Material to be cut	刀片材质 Insert material	微粒子硬质合金 Particulate cemented carbide ZP15/ZP163
普通钢 Ordinary steel		0~7mm
不锈钢 stainless steel		0~6mm
有色金属 Non ferrous metals		0~9mm
非金属材质 Non metallic materials		0~9mm

a: 有效切削长

a: Effective cutting edge length

b: 可加工深度

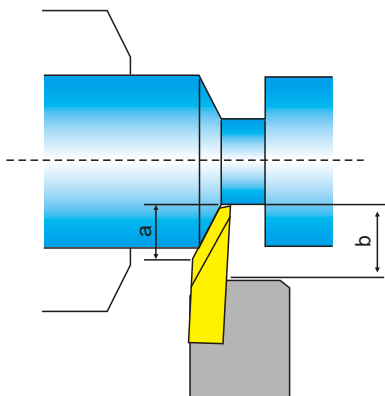
b: Machinable depth

→ 可切削的长 (切削长度)

Machinable length (cutting edge length)

→ 距离切削前端的台阶差 (设计得比有效切削长度大)

Step difference from the front end of the cutting edge (designed to be larger than the effective cutting edge length)

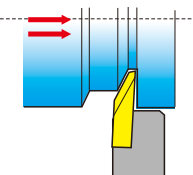


切削长度不足时

When the cutter length is insufficient

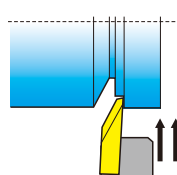
端面光洁度不好时

When the end surface finish is poor



在可加工深度的范围内，通过2次车削即可加工。

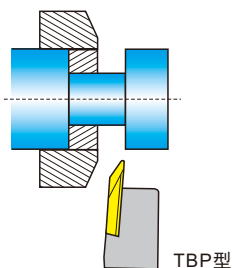
Pass 2 passes within the machinability depth It can be processed by cutting.



通过对端面进行2次车削，能够改善表面光洁度。

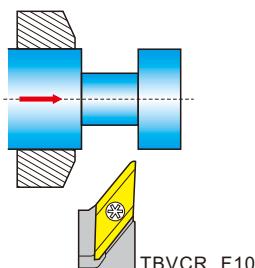
By turning the end face twice, the surface finish can be improved.

精加工 Fine Machining



进行精加工时，粗车削部分进入导向衬套里(粗车削时需要采取除毛刺处理)

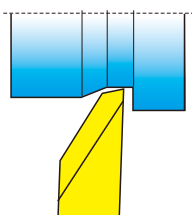
During finishing, the rough turning part enters the guide bushing (deburring treatment is required during rough turning)



采用刀尖位置离开导向衬套的刀具，可在粗车削部分不回到导向衬套的情况下加工。

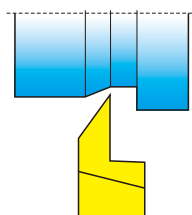
Using a tool with the tip position away from the guide bushing can be processed without returning the rough turning portion to the guide bushing.

退刀槽加工 Undercut machining



在工件后扫位置有槽形存在，一般后扫刀做不出来的形状

There is a groove shape in the back scanning position of the workpiece, which cannot be made by the back scanning knife generally



所以使用TBMH型的后扫刀，其细窄型的槽形即使难加工部分也可以切削。

Therefore, using a TBMH type back sweep cutter, its thin and narrow groove shape can be cut even if it is difficult to machine.

车削刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
成型

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

后车削加工

After Turning

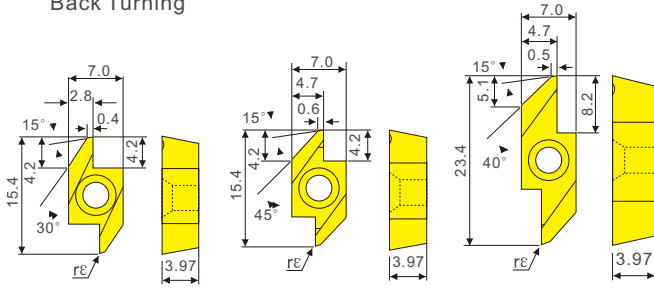
后车削刀柄

After Turning Toolholder

AB.. 型

AB.. Type

背车车削加工
Back Turning



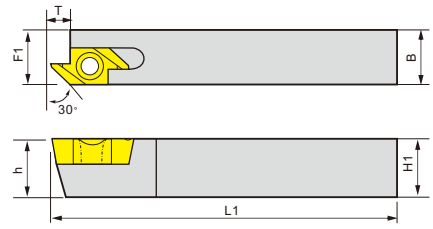
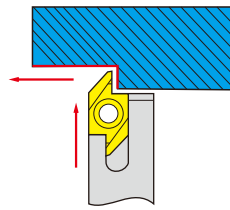
切割形态: Cutting Environment	● 稳定切削 Stable Cutting	● 一般切削 General Cutting	○ 一般切削(第二推荐) General Cutting(Second recommend)	✘ 不稳定切削 Unstable Cutting
P 钢 Steel	●	●	○	✘
M 不锈钢 Stainless Steel	●	●	○	✘
K 铸铁 Iron	●	●	○	✘
N 铝/铜/镁/锌/塑料/木材 Aluminum/Copper/Magnesium/Zinc/Plastic/Wood	●	●	○	✘
S 硬质合金/粉末冶金 Carbide/Powder Metallurgy	●	●	○	✘
H 钛/高温合金/碳纤维 Titanium/Superalloy/Carbon Fiber	●	●	○	✘

用途 Application	切削参数 Cutting Parameter	规格型号 Specification	尺寸 Dimension			PCD	CBN-K	CBN-S	ZN60	ZK01	ZM626	ZP115	ZP680	ZM856	ZM860
			rE												
外圆加工 External Processing		ABS15R 4005	0.05												
		4015	0.15				●	●	●	●	●	●	●	●	●
		ABW15R 4005	0.05												
		4015	0.15												
		ABW23R 5005	0.05												
		5015	0.15												

SABS 型

SABS Type

背车车削加工
Back Turning



图示方向 (R) R-Type

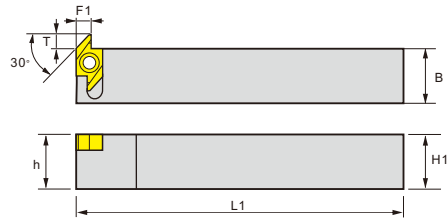
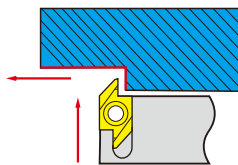
刀片 (Inserts): A56
零配件 (Toolholder Parts): P03-P06

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock	Order Number	Price (RMB)	
	H1=h	B	L1	L2	T	F1							
SABSR	0810K-40F	8	10	125	-	4.2	10.2	ABS15R..	T20	M4.0×8	●	205400	180
	1010K-40F	10	10	125	-	4.2	10.2				●	205402	160
	1212F-40F	12	12	85	-	4.2	12.2				●	205404	140
	1212M-40F	12	12	150	-	4.2	12.2				●	205406	160
	1616M-40F	16	16	150	-	4.2	16.2				●	205408	160
	2020K-40F	20	20	125	-	4.2	20.2				●	205410	200
SABWR	0810K-40F	8	10	125	-	4.2	10.2	ABW15R..	T20	M4.0×8	●	205412	180
	1010K-40F	10	10	125	-	4.2	10.2				●	205414	160
	1212F-40F	12	12	85	-	4.2	12.2				●	205416	140
	1212M-40F	12	12	150	-	4.2	12.2				●	205418	160
	1616M-40F	16	16	150	-	4.2	16.2				●	205420	160
	2020K-40F	20	20	125	-	4.2	20.2				●	205422	200
SABWR	0810K-50F	8	10	125	-	8.2	10.2	ABW23R..	T20	M4.0×8	●	205424	200
	1010K-50F	10	10	125	-	8.2	10.2				●	205426	180
	1212F-50F	12	12	85	-	8.2	12.2				●	205428	160
	1212M-50F	12	12	150	-	8.2	12.2				●	205430	160
	1616M-50F	16	16	150	-	8.2	16.2				●	205432	160
	2020K-50F	20	20	125	-	8.2	20.2				●	205434	200

SABSL 型

SABSL Type

背车车削加工
Back Turning



图示方向 (L) L-Type

刀片 (Inserts): A56
零配件 (Toolholder Parts): P03-P06

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock	Order Number	Price (RMB)	
	H1=h	B	L1	L2	T	F1							
SABSSL	1010K-40F	10	10	125	-	4.2	2.8	ABS15R..	T20	M4.0×8	●	205450	200
	1212K-40F	12	12	125	-	4.2	2.8				●	205452	200
	1616K-40F	16	16	125	-	4.2	2.8				●	205454	200
	2020K-40F	20	20	125	-	4.2	2.8				●	205456	300
SABWL	1010K-40F	10	10	125	-	4.2	4.7	ABW15R..	T20	M4.0×8	●	205458	200
	1212K-40F	12	12	125	-	4.2	4.7				●	205460	200
	1616K-40F	16	16	125	-	4.2	4.7				●	205462	200
	2020K-40F	20	20	125	-	4.2	4.7				●	205464	300
SABWL	1010K-50F	10	10	125	-	8.2	4.7	ABW23R..	T20	M4.0×8	●	205466	230
	1212K-50F	12	12	125	-	8.2	4.7				●	205468	230
	1616K-50F	16	16	125	-	8.2	4.7				●	205470	230
	2020K-50F	20	20	125	-	8.2	4.7				●	205472	230
	2525M-50F	25	25	150	-	8.2	4.7				●	205474	350

车削刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
成型

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

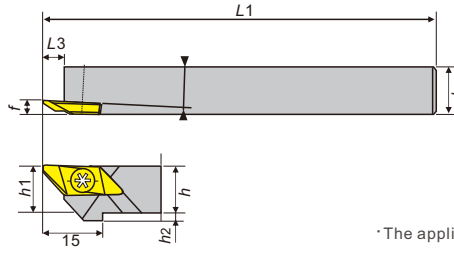
切槽
切断

端面
切槽

阻尼
模组

TBP型

TBP type

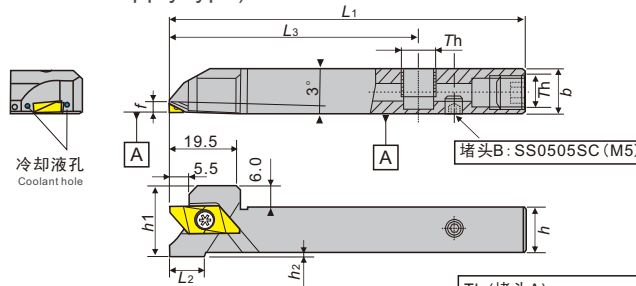


· 图示为右手刀
· Right hand knife shown
· 左手刀杆的适用刀片为右手刀
· The applicable Insert for the left hand knife shank is a right hand knife

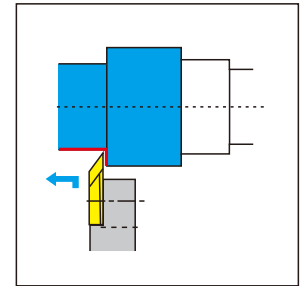
Fig.1

TBP型-OH2 型(内部给油型)

TBP type - OH2 type (internal oil supply type)



Th (堵头A)
杆方 1212/1616:PT1/8 (Rc1/8)

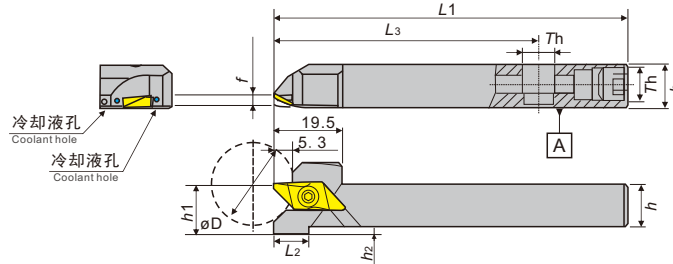


· 图示为右手刀
· Right hand knife shown

Fig.2

TBP型-OH型(内部给油型)

TBP type - OH type (internal oil supply type)



Th (螺纹式样) Thread pattern
□1012刀杆:M6*1
□12,□16刀杆:Rc1/8 (PT1/8)

· 图示为右手刀
· Right hand knife shown

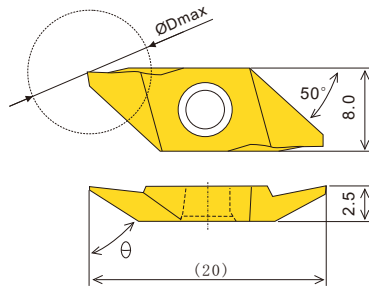
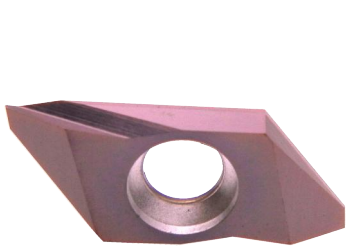
Fig.3

刀片 (Inserts): A53
零配件 (Toolholder Parts): P03-P06

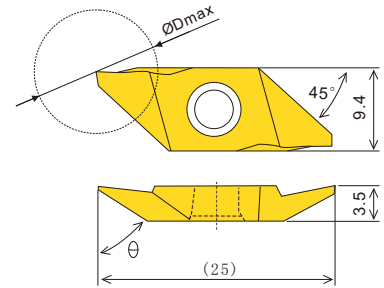
刀杆形状 Cutter bar shape	刀杆型号 Cutter bar model	尺寸 (mm) Dimensions (mm)								适用刀片 Suitable Insert	零部件 Components and parts		库存 Stock		编码 Encoded
		h	b	L ₁	h ₁	h ₂	f	L ₃	L ₂		紧固螺丝 Fastening screw	扳手 Spanner	R	L	
Fig.1	TBP ^{R/L} 08JX	8	10	120	8	4	3.5	5.5	-	TBP	M4.0x10	T15	●	○	
	10H	10	10	100	10	2	3.5	5.5	-				●		
	10JX	10	10	120	10	2	3.5	5.5	-				●	○	
	12GX	12	12	85	12	0	3.5	5.5	-				●		
	12JX	12	12	120	12	0	3.5	5.5	-				●	○	
	13JX	13	13	120	13	0	3.5	5.5	-				●		
	16H	16	16	100	16	0	3.5	5.5	-				●	○	
Fig.2	TBP ^{R/L} 12 H-OH2	12	12	100	12	2	3.5	70	10	M4.0x12	T15	●			
	16 H-OH2	16	16	120	16	0	3.5	70	0			●			
Fig.3	TBP ^{R/L} 1012H-OH	10	12	100	10	4	3.5	75	19	M4.0x10	T15	●			
	12H-OH	12	12	100	12	2	3.5	75	10	M4.0x12		●			
	16H-OH	16	16	100	16	0	3.5	75	0	M4.0x12		●			

TBP 外圆加工后车削刀片

TBP Turning blades after outer circle machining



TBP
ØDmax=Ø5~10mm



TBPA
ØDmax=Ø5~12mm

切削形态: ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ☉ 一般切削(第二推荐) General Cutting(Second recommend) ✖ 不稳定切削 Unstable Cutting

切削形态: ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ☉ 一般切削(第二推荐) General Cutting(Second recommend) ✖ 不稳定切削 Unstable Cutting

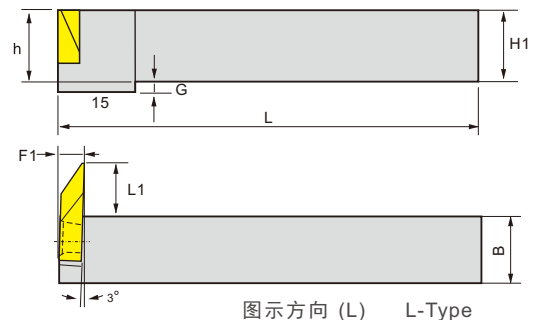
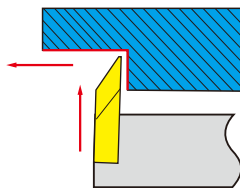
Application 用途	尺寸形状 Dimension and Shape	规格型号 Specification	尺寸 Dimension						材料适用性																
			A	B	rε	θ	PCD	CBN-K	CBN-S	ZN80	ZK01	ZM826	ZP150	ZP880	ZM856	ZM860									
外圆加工 External Processing	有排屑槽 With Groove	TBP 55FR00 55FR10 60FR00 60FR10 60FR20	3.0 3.0 3.7 3.7	5.3	0.00 0.10 0.00 0.10 0.20	55° 55° 60° 60° 60°			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	无排屑槽 Without Groove	TBP 60FRV00 60FRV05 60FRV10	4.8	5.3	0.00 0.05 0.10	60°			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	有排屑槽 With Groove	TBPA 60FR00 60FR10 60FR20	4.5 4.5 4.5	5.3	0.00 0.10 0.20	60°			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	无排屑槽 Without Groove	TBPA 60FRV00 60FRV05 60FRV10	6.3	6.8	0.00	60°			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	外圆加工 External Processing																								

Application 用途	尺寸形状 Dimension and Shape	规格型号 Specification	尺寸 Dimension				材料适用性																			
			W _{0.05}	B	rε	θ	PCD	CBN-K	CBN-S	ZN80	ZK01	ZM826	ZP150	ZP880	ZM856	ZM860										
外圆加工 External Processing	有排屑槽 With Groove	TBP 55FR00 55FR10 60FR00 60FR10 60FR20	3.0	5.3	0.00 0.10 0.00 0.10 0.20	55° 55° 60° 60° 60°																				
	无排屑槽 Without Groove	TBP 60FRV00 60FRV05 60FRV10	4.8	5.3	0.00 0.05 0.10	60°																				
外圆加工 External Processing	有排屑槽 With Groove	TBPA 60FR00 60FR10 60FR20	4.5	5.3	0.00 0.10 0.20	60°																				
	无排屑槽 Without Groove	TBPA 60FRV00 60FRV05 60FRV10	6.3	6.8	0.00	60°																				

☆θ为刀柄安装时取值
☆θ Installation Angle For The Toolholder

TBPSL 型

TBPSL Type
背车车削加工
Back Turning



图示方向 (L) L-Type

刀片 (Inserts): A53
零配件 (Toolholder Parts): P03-P06

刀把型号 Ordering Code	尺寸 Dimensions						刀片 Insert 	扳手 Wrench 	螺丝 Screw 	Stock		Order Number	Price (RMB)	
	H1=h	B	L	L1	G	F1				R	L			
TBPSR/L	10JX	10	10	120	5.5	2	3.5	TBP..	T15	M4×10	○	●	205121	300
	12JX	12	12	120	5.5	0	3.5				○	●	205123	300
	16JX	16	16	120	5.5	0	3.5				○	●	205125	300
	20K	20	20	125	5.5	0	3.5				○	●	205127	300

■ TB.. 外圆加工后车削刀片 TB.. Turning blades after outer circle machining

车削刀柄

CSV
凸轮车削刀具

DS
刀柄

正面排刀

Y轴刀柄

前车削

后车削

小径切槽切断螺纹

小孔加工

滚花成型

焊接车刀夹头

外圆车削

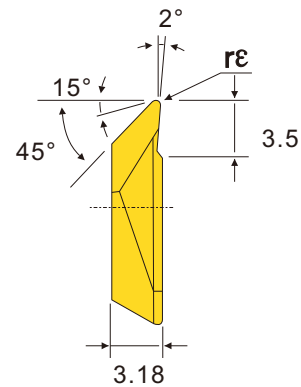
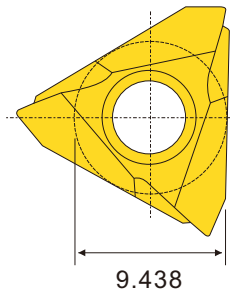
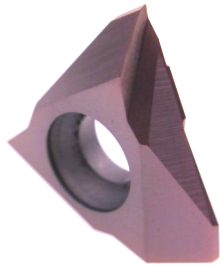
内孔车削

螺纹车削

切槽切断

端面切槽

阻尼模组



切削形态: Cutting Environment		● 稳定切削 Stable Cutting	● 一般切削 General Cutting	⌚ 一般切削(第二推荐) General Cutting(Second recommend)	✘ 不稳定切削 Unstable Cutting
P	钢 Steel	●	●	⌚	✘
M	不锈钢 Stainless Steel	●	●	⌚	✘
K	铸铁 Iron	●	●	⌚	✘
N	铝/铜/镁/锌/塑料/木材 Aluminum/Copper/Magnesium/Zinc/Plastic/Wood	●	●	⌚	✘
S	硬质合金/粉末冶金 Carbide/Powder Metallurgy	●	●	⌚	✘
H	钛/高温合金/碳纤维 Titanium/Superalloy/Carbon Fiber	●	●	⌚	✘

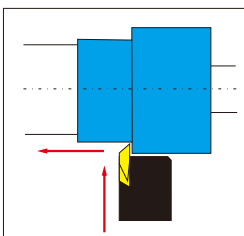
用途 Application	尺寸形状 Dimension and Shape	规格型号 Specification	尺寸 Dimension					
			A	B	r _ε	θ	PCD	CBN-K
外圆加工 External Processing		TB 3200R	3.2	3.5	0.00	45°		●
		3205R			0.05			●
		3210R			0.10			●
		3215R			0.15			●
		3220R			0.20			●

切削线速度 (Cutting Speed): m/min ⁻¹		(mm)							
加工材料	刀具材质	PCD 金刚石	CBN-K 铸铁专用	CBN-S 难切削材料	ZN60 光洁度好	ZK01 钢铝加工	ZM826 黄色通用	ZP15 紫色通用	ZM856 不锈钢通用
P	低碳钢				150-600		60-250	70-250	100-250
P	高碳钢				150-350		60-150	70-150	80-150
P	淬硬钢 HRC46-58			10-30			20-60	20-60	20-60
M	不锈钢				200-300		50-150	50-150	70-150
K	灰口铸铁		300-1500		100-300		130-210	150-200	150-300
K	球墨铸铁/轧辊		400-800		100-200		100-160	100-150	150-230
N	镁/锌/塑料/木材	300-1200				300-1200			
N	铝合金 HB50-70	300-1500				300-1500			
N	淬硬铝合金 HB70-110	300-800				300-800			
N	铜/青铜/黄铜	300-1000				300-1000			
S	硬质合金/粉末冶金	10-30				10-30			
S	硅填充塑料/碳纤维	400-600				400-600			
H	钛/高温合金/碳纤维	100-200				100-200	20-50	20-50	20-60

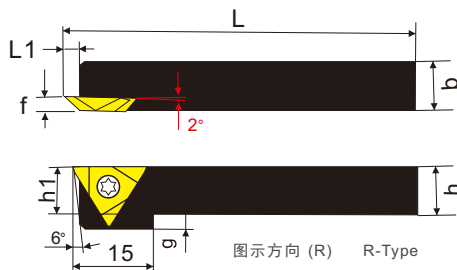
☆θ为刀柄安装时取值
☆θ Installation Angle For The Toolholder

■ TBT型 三角形立装表里共同拧紧型 TBT Type Coaxially Tightened In A Triangular Vertical Table

刀片 (Inserts): AB37, A56
零配件 (Toolholder Parts): P03-P06



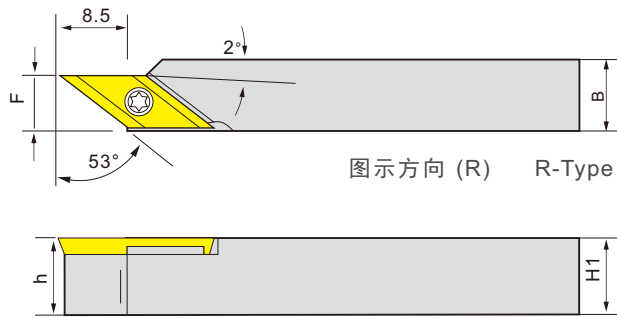
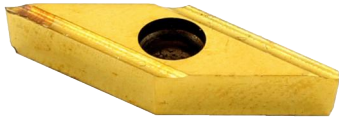
刀柄型号 Tool Holder Model	库存	尺寸 (mm)						适用刀片	零件		Order Number	Price (RMB)
		h	b	L	h1	f	g		紧固螺丝	扳手		
TBTR/L 08F	●	8	8	80	8		5	TF 33	M4X10	T15	205500	300
08K	●	8	8	120	8		5				205502	300
10F	●	10	10	80	10	4.0	3				205504	300
10K	●	10	10	120	10		3				205506	300
12F	●	12	12	80	12		1				205508	300
12K	●	12	12	120	12		1				205510	300



刀片型号 Insert Model	r _ε	库存 R	Order Number	Price (RMB)
TB3200R/L	0.00	●	205600	200
3205R/L	0.05	●	205602	200
3210R/L	0.10	●	205604	200
3215R/L	0.15	●	205606	200
3220R/L	0.20	●	205608	200

TBVC型 背车车削加工

TBVC Type Back Turning



🔧 零配件 (Toolholder Parts): P03-P06

刀柄型号 Tool Holder Model	库存	尺寸 (mm)					适用刀片 	零 部 件		Order Number	Price (RMB)								
		h	B	F	L	H1		紧固螺丝 	扳手 										
TBVCR 10JX-F7.5	●	10	10	120	10	7.5	TBVC VCGT1103	M2.5X7	T8	205200	200								
12JX-F7.5	●	12	12		12					205202	200								
16JX-F7.5	●	16	16		16					205204	200								
10JX-F10	●	10	10		10					205206	200								
12GX-F10	●	12	12	85	12	205208				200									
12JX-F10	●			120							10	205210	200						
16H-F10	●	16	16	100	16									205212	200				
16JX-F10	●			120												205214	200		
20F-F10	●	20	20	80	20													205216	200

TBVC型刀片 TBVC Type Insert

刀片型号 Insert Model	库存		尺寸 (mm)			Order Number	Price (RMB)
	R	L	d	s	rε		
TBVC11FR05U	●	●	6.35	3.18	0.05	205300	220
TBVC11FR10U	●	●			0.10	205302	220
TBVC11FR10S	●	●			0.10	205304	220

车削刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
成型

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

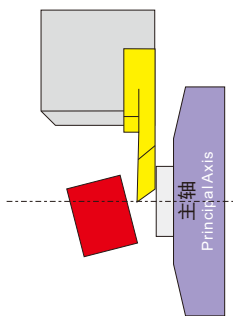
端面
切槽

阻尼
模组

1 如何选用左/右手刀杆 How to select the R and L toolholder

无背轴的情况
No back axle

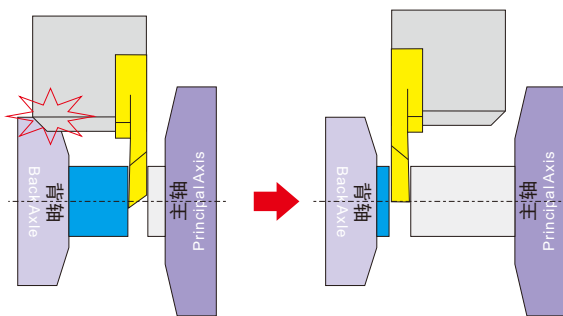
①



没有背轴的情况下推荐使用右手刀杆。
为减小残留的尾钉推荐使用刀尖带角度的切断刀。

Recommended to use the R Toolholder when there is no back axle.
In order to reduce the residual tail pin, it is recommended to use a cutting knife with an angle at the tip.

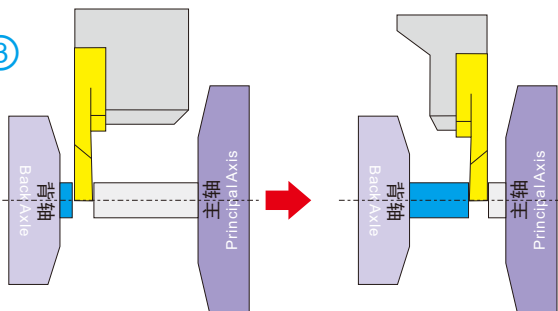
②



切断时若背轴和刀杆发生干涉, 可使用左手刀杆。
不产生残留尾钉, 推荐使用刀尖没有角度的刀片。

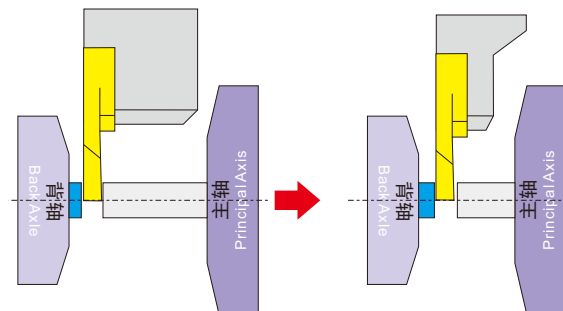
If the back axis interferes with the cutter rod during cutting, the L toolholder can be used.
There is no residual tail pin. It is recommended to use a Insert with no angle at the tip.

③



工件直径小需要考虑刚性时, 推荐使用R右手SUB型背轴刀杆。
R-SUB type toolholder is recommended when rigidity is considered for small workpiece diameter.

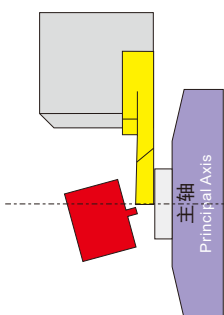
④



工件直径小且工件短需要考虑刚性时, 推荐使用L右手SUB型背轴刀杆。
When the diameter of workpiece is small and the rigidity of workpiece is short, L-SUB type toolholder is recommended.

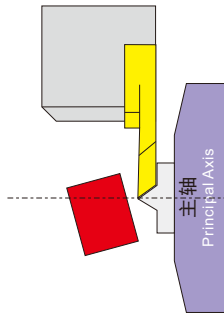
2 如何选用平头/带角度刀尖 How to choose flat head / angle head

①



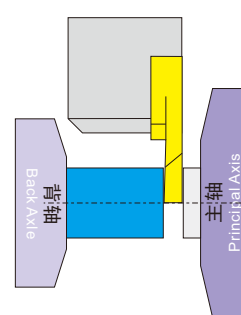
在没有背轴的情况下使用不带角度的平头切断刀, 工件会留下尾钉。
In the case of no back axis, using a flat head cutter without angle, the workpiece will leave a tail pin.

②



在没有背轴的情况下使用带角度的切断刀片时, 工件不会留下尾钉。
In the case of no back axis, using angle head cutter, the workpiece without tail pin.

③



在有背轴的情况下使用不带角度的平头切断刀, 工件不会留下尾钉。但是加工小工件考虑切削阻力变形时, 请选用带角度刀尖。
In the case of a back shaft, use a flat head cutter without angle, and the workpiece will not leave a tail pin. However, when considering the deformation of cutting resistance in small workpiece processing, please select the tool tip with angle.

3 如何选用合适的宽度 How to choose the right width

$$\text{切断刀宽度} = \frac{\text{工件直径}}{7} + 7$$

Cutter Width = Workpiece Diameter / 7 + 7

4 防止刀具异常损伤对策 Countermeasures for abnormal tool damage

① 推荐设定线速度不变的加工程序, 转速一定的情况下, 刀尖越靠近工件中心, 线速度大幅度下降, 容易造成粘刀, 崩刀等异常损伤。

It is recommended to set the processing program with constant linear speed. When the rotation speed is fixed, the closer the tool tip is to the center of the workpiece, the linear speed will be greatly reduced, which is easy to cause abnormal damage such as knife sticking and knife collapsing.

② 考虑到切断时的冲击、工件中心部位线速度不足等情况, 推荐降低切断前(1-2mm)的进给(降低到原来的50%)。

Considering the impact during cutting and insufficient linear speed at the center of workpiece, it is recommended to reduce the feed before cutting (1-2mm) (to 50% of the original).

③ 尽量避免断续加工。

Try to avoid intermittent processing.

5 小零件切槽/切断加工切削参数推荐 Recommended cutting parameters for grooving / cutting of small parts

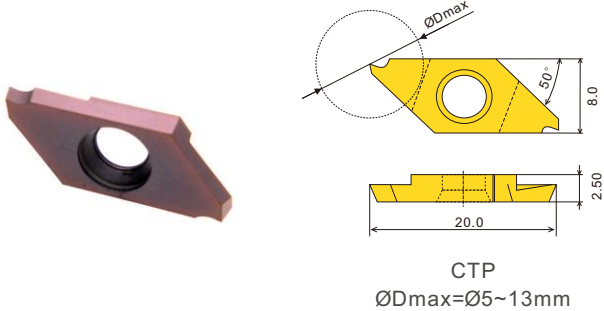
应用 用途 Application	被加工材料 Processed Material	切削参数 Cutting Parameter											
		CTP/TKF12.. 刃宽W(mm)						CTPA/TKF16.. 刃宽W(mm)					
		0.5	0.7	1.0	1.25	1.5	2.0	0.7	1.0	1.5	2.0	2.5	3.0
P	钢 Steel	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02
M	不锈钢 Stainless Steel	0.005	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
K	铸铁 Iron	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02
N	铝/铜/镁/锌/塑料/木材 Aluminum/Copper/Magnesium/Zinc/Plastic/Wood	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02
S	硬质合金/粉末冶金 Carbide/Powder Metallurgy	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.005	0.005	0.005
H	钛/高温合金/碳纤维 Titanium/Superalloy/Carbon Fiber	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.005	0.005	0.005

CTP 型

CTPType

切槽/切断/小零件加工

Slotting/cutting/machining of small parts



CTP
ØDmax=Ø5~13mm

切削线速度 (Cutting Speed): m/min¹

(mm)

加工材料 Material	刀具材质 Material	材料特点 Material Features	PCD 金剛石 Diamond	CBN-K 铸铁专用 Cast Iron Special	CBN-S 难切削材料 Difficult to Cut	ZN60 光亮度好 High Brightness	ZK01 铜铝加工 Copper/Aluminum	ZM826 黄色通用 Yellow General	ZP15 紫色通用 Purple General	ZM856 不锈钢通用 Stainless Steel General
P	低碳钢					150-600		60-250	70-250	100-250
	高碳钢					150-350		60-150	70-150	80-150
M	淬硬钢	HRC46-58			10-30			20-60	20-60	20-60
	不锈钢					200-300		50-150	50-150	70-150
K	灰口铸铁			300-1500		100-300		130-210	150-200	150-300
	球墨铸铁/轧辊			400-800		100-200		100-160	100-150	150-230
N	铝/铜/镁/锌/塑料/木材		300-1200				300-1200			
	铝合金	HB50-70	300-1500				300-1500			
S	淬硬铝合金	HB70-110	300-800				300-800			
	铜/青铜/黄铜		300-1000				300-1000			
H	硬质合金/粉末冶金		10-30				10-30			
	硅填充塑料/硬质纤维		400-600				400-600			
	钛/高温合金/碳纤维		100-200				100-200	20-50	20-50	20-60

切削形态: ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ☺ 一般切削(第二推荐) General Cutting(Second recommend) ☹ 不稳定切削 Unstable Cutting

应用	材料	切削形态	PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP15	ZM856
P	钢	●	●	●	●	●	●	●	●	●
M	不锈钢	●	●	●	●	●	●	●	●	●
K	铸铁	●	●	●	●	●	●	●	●	●
N	铝/铜/镁/锌/塑料/木材	●	●	●	●	●	●	●	●	●
S	硬质合金/粉末冶金	●	●	●	●	●	●	●	●	●
H	钛/高温合金/碳纤维	●	●	●	●	●	●	●	●	●

应用	尺寸形状 Dimension and Shape	规格型号 Specification	尺寸 Dimension			PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP15	ZM856
			W _{±0.05}	B	r _c								
切断加工 Cut-off	有排屑槽 With Groove	CTP 05FR	0.5	2.8	0.03	15°	●	●	●	●	●	●	●
		CTP 07FR	0.7	4.5	0.05	16°	●	●	●	●	●	●	●
		CTP 10FR	1.0	6.7	0.05	16°	●	●	●	●	●	●	●
		CTP 15FR	1.5	6.7	0.05	16°	●	●	●	●	●	●	●
		CTP 20FR	2.0	6.7	0.05	16°	●	●	●	●	●	●	●
切断/切槽加工 Cut-off/Grooving	有排屑槽 With Groove	CTP 05FRN	0.5	2.8	0.03	0°	●	●	●	●	●	●	●
		CTP 10FRN	1.0	6.7	0.05	0°	●	●	●	●	●	●	●
		CTP 15FRN	1.5	6.7	0.05	0°	●	●	●	●	●	●	●
		CTP 20FRN	2.0	6.7	0.05	0°	●	●	●	●	●	●	●
切断加工 Cut-off	有排屑槽 With Groove	CTP 10FRK	1.0	6.7	0.05	16°	●	●	●	●	●	●	●
		CTP 15FRK	1.5	6.7	0.05	16°	●	●	●	●	●	●	●
		CTP 20FRK	2.0	6.7	0.05	16°	●	●	●	●	●	●	●
用于安装了副夹头的机型 Applicable to models with auxiliary chuck installed													
切断加工 Cut-off	有排屑槽 With Groove	CTP 07FL	0.7	4.5	0.05	16°	●	●	●	●	●	●	●
		CTP 10FL	1.0	6.7	0.05	16°	●	●	●	●	●	●	●
		CTP 15FL	1.5	6.7	0.05	16°	●	●	●	●	●	●	●
		CTP 20FL	2.0	6.7	0.05	16°	●	●	●	●	●	●	●
切断/切槽加工 Cut-off/Grooving	有排屑槽 With Groove	CTP 05FLN	0.5	2.8	0.03	0°	●	●	●	●	●	●	●
		CTP 10FLN	1.0	6.7	0.05	0°	●	●	●	●	●	●	●
		CTP 15FLN	1.5	6.7	0.05	0°	●	●	●	●	●	●	●
		CTP 20FLN	2.0	6.7	0.05	0°	●	●	●	●	●	●	●
		CTP 05FLK	0.5	2.8	0.03	17°	●	●	●	●	●	●	●
切断加工 Cut-off	有排屑槽 With Groove	CTP 10FLK	1.0	6.7	0.05	16°	●	●	●	●	●	●	●
		CTP 15FLK	1.5	6.7	0.05	16°	●	●	●	●	●	●	●
		CTP 20FLK	2.0	6.7	0.05	16°	●	●	●	●	●	●	●
		CTP 15FLKB	1.5	6.7	0.05	16°	●	●	●	●	●	●	●
		用于安装了副夹头的机型 Applicable to models with auxiliary chuck installed											

切削形态: ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ☺ 一般切削(第二推荐) General Cutting(Second recommend) ☹ 不稳定切削 Unstable Cutting

应用	材料	切削形态	PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP15	ZM856
P	钢	●	●	●	●	●	●	●	●	●
M	不锈钢	●	●	●	●	●	●	●	●	●
K	铸铁	●	●	●	●	●	●	●	●	●
N	铝/铜/镁/锌/塑料/木材	●	●	●	●	●	●	●	●	●
S	硬质合金/粉末冶金	●	●	●	●	●	●	●	●	●
H	钛/高温合金/碳纤维	●	●	●	●	●	●	●	●	●

应用	尺寸形状 Dimension and Shape	规格型号 Specification	尺寸 Dimension			PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP15	ZM856
			W _{±0.05}	B	r _c								
切断加工 Cut-off	无排屑槽 Without Groove	CTP 10FRV	1.0	6.7	0.0	20°	●	●	●	●	●	●	●
		CTP 15FRV	1.5	6.7	0.0	20°	●	●	●	●	●	●	●
		CTP 20FRV	2.0	6.7	0.0	20°	●	●	●	●	●	●	●
		CTP 15FRNV	1.5	6.7	0.0	0°	●	●	●	●	●	●	●
切断/切槽加工 Cut-off/Grooving	无排屑槽 Without Groove	CTP 15FRNV	1.5	6.7	0.0	0°	●	●	●	●	●	●	●
		CTP 10FLV	1.0	6.7	0.0	20°	●	●	●	●	●	●	●
		CTP 15FLV	1.5	6.7	0.0	20°	●	●	●	●	●	●	●
切断加工 Cut-off	无排屑槽 Without Groove	CTP 10FLV	1.0	6.7	0.0	20°	●	●	●	●	●	●	●
		CTP 15FLV	1.5	6.7	0.0	20°	●	●	●	●	●	●	●
		CTP 20FLV	2.0	6.7	0.0	20°	●	●	●	●	●	●	●
切断/切槽加工 Cut-off/Grooving	无排屑槽 Without Groove	CTP 15FLNV	1.5	6.7	0.0	0°	●	●	●	●	●	●	●
		CTP 20FLNV	2.0	6.7	0.0	0°	●	●	●	●	●	●	●
		CTP 15FLKV	1.5	6.7	0.0	20°	●	●	●	●	●	●	●
		CTP 20FLKV	2.0	6.7	0.0	20°	●	●	●	●	●	●	●
		用于安装了副夹头的机型 Applicable to models with auxiliary chuck installed											

☆ θ 为刀柄安装时取値
☆ θ Installation Angle For The Toolholder

车削刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
成型

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

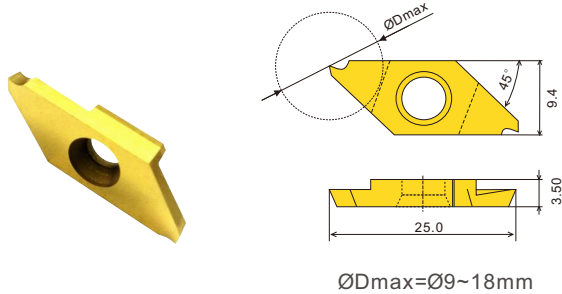
端面
切槽

阻尼
模组

CTPA型

CTPA Type

切槽/切断/小零件加工
Slotting/cutting/machining of small parts



ØDmax=Ø9~18mm

切削线速度 (Cutting Speed): m/min¹

(mm)

加工材料 Material	刀具材质 Material	PCD 金刚石	CBN-K 铸铁专用	CBN-S 难切削材料	ZN60 光洁度好	ZK01 铜铝加工	ZM826 黄色通用	ZP15 紫色通用	ZM856 不锈钢通用
P 低碳钢					150-600		60-250	70-250	100-250
P 高碳钢					150-350		60-150	70-150	80-150
P 淬硬钢 HRC46-58				10-30			20-60	20-60	20-60
M 不锈钢					200-300		50-150	50-150	70-150
K 灰口铸铁			300-1500		100-300		130-210	150-200	150-300
K 球墨铸铁/轧辊			400-800		100-200		100-160	100-150	150-230
N 镁/铝/铜/锌/塑料/木材		300-1200				300-1200			
N 铝合金 HB50-70		300-1500				300-1500			
N 淬硬铝合金 HB70-110		300-800				300-800			
N 铜/青铜/黄铜		300-1000				300-1000			
S 硬质合金/粉末冶金		10-30				10-30			
S 硅填充塑料/硬质纤维		400-600				400-600			
H 钛/高温合金/碳纤维		100-200				100-200	20-50	20-50	20-60

切削形态 Cutting Environment	稳定切削 Stable Cutting	一般切削 General Cutting	一般切削(第二推荐) General Cutting(Second recommend)	不稳定切削 Unstable Cutting
P 钢	●	●	●	●
M 不锈钢	●	●	●	●
K 铸铁	●	●	●	●
N 铝/铜/镁/锌/塑料/木材	●	●	●	●
S 硬质合金/粉末冶金	●	●	●	●
H 钛/高温合金/碳纤维	●	●	●	●

切削形态 Cutting Environment	稳定切削 Stable Cutting	一般切削 General Cutting	一般切削(第二推荐) General Cutting(Second recommend)	不稳定切削 Unstable Cutting
P 钢	●	●	●	●
M 不锈钢	●	●	●	●
K 铸铁	●	●	●	●
N 铝/铜/镁/锌/塑料/木材	●	●	●	●
S 硬质合金/粉末冶金	●	●	●	●
H 钛/高温合金/碳纤维	●	●	●	●

用途 Application	尺寸形状 Dimension and Shape	规格型号 Specification	尺寸 Dimension				适用性									
			W _{±0.05}	B	r _c	θ	PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP15	ZM856	ZM860	
切槽加工 Out-dial Grooving	有排屑槽 With Groove	CTPA 07FR 10FR 15FR 20FR 25FR 30FR	0.7 1.0 1.5 2.0 2.5 3.0	4.5 6.7 9.2 9.2 9.2 9.2	0.05	16°	●	●	●	●	●	●	●	●	●	●
切槽加工 Out-dial Grooving	有排屑槽 With Groove	CTPA 07FRN 10FRN 15FRN 20FRN 25FRN 30FRN	0.7 1.0 1.5 2.0 2.5 3.0	4.5 6.7 9.2 9.2 9.2 9.2	0.05	0°	●	●	●	●	●	●	●	●	●	●
切槽加工 Out-dial Grooving	有排屑槽 With Groove	CTPA 07FRK 10FRK 15FRK 20FRK	0.7 1.0 1.5 2.0	4.5 6.7 9.2 9.2	0.05	16°	●	●	●	●	●	●	●	●	●	●
用于安装了副夹头的机型 Applicable to models with auxiliary chuck installed																
切槽加工 Out-dial Grooving	有排屑槽 With Groove	CTPA 07FL 10FL 15FL 20FL 25FL 30FL	0.7 1.0 1.5 2.0 2.5 3.0	4.5 6.7 9.2 9.2 9.2 9.2	0.05	16°	●	●	●	●	●	●	●	●	●	●
切槽加工 Out-dial Grooving	有排屑槽 With Groove	CTPA 07FLN 10FLN 15FLN 20FLN 25FLN 30FLN	0.7 1.0 1.5 2.0 2.5 3.0	4.5 6.7 9.2 9.2 9.2 9.2	0.05	0°	●	●	●	●	●	●	●	●	●	●
切槽加工 Out-dial Grooving	有排屑槽 With Groove	CTPA 07FLK 10FLK 15FLK 20FLK	0.7 1.0 1.5 2.0	4.5 6.7 9.2 9.2	0.05	16°	●	●	●	●	●	●	●	●	●	●
用于安装了副夹头的机型 Applicable to models with auxiliary chuck installed																

用途 Application	尺寸形状 Dimension and Shape	规格型号 Specification	尺寸 Dimension				适用性									
			W _{±0.05}	B	r _c	θ	PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP15	ZM856	ZM860	
切槽加工 Out-dial Grooving	无排屑槽 Without Groove	CTPA 10FRV 15FRV 20FRV	1.0 1.5 2.0	6.7 9.5 9.5	0.0	20°	●	●	●	●	●	●	●	●	●	●
切槽加工 Out-dial Grooving	无排屑槽 Without Groove	CTPA 15FRNV 20FRNV	1.5 2.0	9.5 9.5	0.0	0°	●	●	●	●	●	●	●	●	●	●
切槽加工 Out-dial Grooving	无排屑槽 Without Groove	CTPA 10FLV 15FLV 20FLV	1.0 1.5 2.0	6.7 9.5 9.5	0.0	20°	●	●	●	●	●	●	●	●	●	●
切槽加工 Out-dial Grooving	无排屑槽 Without Groove	CTPA 15FLNV 20FLNV	1.5 2.0	9.5 9.5	0.0	0°	●	●	●	●	●	●	●	●	●	●
切槽加工 Out-dial Grooving	无排屑槽 Without Groove	CTPA 15FLKV	1.5	9.5	0.0	20°	●	●	●	●	●	●	●	●	●	●
用于安装了副夹头的机型 Applicable to models with auxiliary chuck installed																

☆为刀柄安装时取值
☆ Installation Angle For The Toolholder

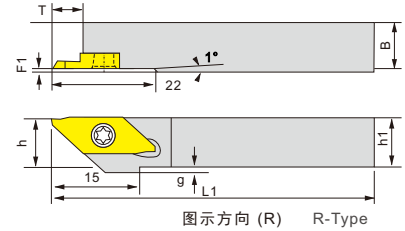
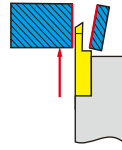
CTP/CTPA 型

CTP/CTPA Type

切槽/切断/背车车削加工

Grooving / Cut-Off/Back Turning

刀片 (Inserts): **AB39-AB41**
 零配件 (Toolholder Parts): **P03-P06**



刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number	Price (RMB)
	h	B	L1	h1	g	T				R	L		
CTPR/L	08JX	8	10	120	8	4	CTP(切断刀) CTP-X(切断刀) CTPX(切断刀)	T15	M4.0×8	●	●	206300	260
	10JX	10	10	120	10	2				●	●	206302	200
	12GX	12	12	85	12	0				●	●	206304	150
	12JX	12	12	120	12	0				●	●	206306	160
	13JX	13	13	120	13	0				●	●	206308	170
	16H	16	16	100	16	0				●	●	206310	140
16JX	16	16	120	16	0	●	●	206312	160				

CTPA型 切断直径15mm 背车与切断车削共用

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number	Price (RMB)
	h	B	L1	h1	g	T				R	L		
CTPAR/L	10JX	10	10	120	10	2	CTPA(切断刀) CTPAX(切断刀) TBPA(后车削) TTPA(螺纹)	T15	M4.0×8	●	●	206316	200
	12JX	12	12	120	12	0				●	●	206318	160
	16JX	16	16	120	16	0				●	●	206320	160
	20F	20	20	80	20	0				●	●	206322	200

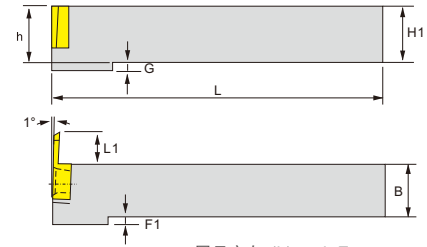
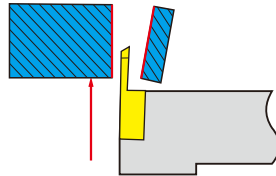
CTPSL 型

CTPSL Type

背车车削加工

Back Turning

刀片 (Inserts): **AB39-AB41**
 零配件 (Toolholder Parts): **P03-P06**



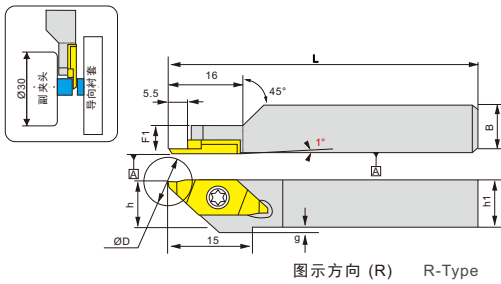
刀把型号 Ordering Code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number	Price (RMB)
	H1=h	B	L	L1	G	F1				R	L		
CTPSR/L	10JX	10	10	120	6.0	2	CTP(切断刀) CTP-X(切断刀) CTPX(切断刀)	T15	M4.0×8	○	●	206121	300
	12JX	12	12	120	6.0	0				○	●	206123	300
	16JX	16	16	120	6.0	0				○	●	206125	300
	20JX	20	20	120	6.0	0				○	●	206127	300
CTPASR/L	10JX	10	10	120	8.0	2	CTPA(切断刀) CTPAX(切断刀) TBPA(后车削) TTPA(螺纹)	T15	M4.0×8	○	●	206129	300
	12JX	12	12	120	8.0	0				○	●	206131	300
	16JX	16	16	120	8.0	0				○	●	206133	300
	20JX	20	20	120	8.0	0				○	●	206135	300

CTPR-SUB型 CTPR-SUB Type

背轴车削加工用

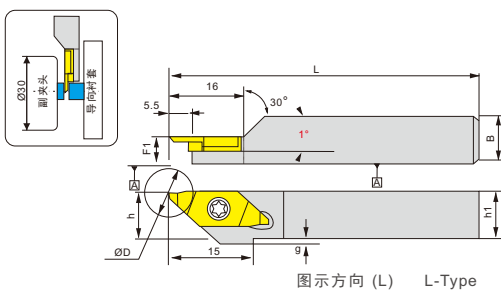
Back Shaft Turning

刀片 (Inserts): **AB39-AB41**
 零配件 (Toolholder Parts): **P03-P06**



刀柄型号 Tool holder model	最大 切削 直径 ØD	尺寸 (mm)						适用刀片	零件 紧固螺丝	零件 扳手	库存	Order Number	Price (RMB)	
		h	b	L	h1	f	g							
CTPR	08JX-SUB	12	8	8	120	10	4	CTP-FR(N)(V)(NV) CTP-FR(X)(FRNX) CTPX-FR(N)	M4X5	T15	●	206200	300	
	08J-SUB	12	8	8	110	10	4					●	206202	300
	10F-SUB	12	10	10	80	10	2					●	206204	300
	10JX-SUB	12	10	10	120	10	2					●	206206	300
	12GX-SUB	12	12	12	85	12	0					●	206208	300
	12JX-SUB	12	12	12	120	12	0					●	206210	300
CTPL	08JX-SUB	12	8	8	120	8	4	CTP-FLK CTP-FLKV CTP-FLN CTP-FLNV CTPX-FLN CTPX-FLNK	M4X5	T15	●	206212	300	
	08J-SUB	12	8	8	110	8	2					●	206214	300
	10GX-SUB	12	10	10	85	10	2					●	206216	300
	12GX-SUB	12	12	12	85	12	0					●	206218	300
CTPAR10GX-SUB	10GX-SUB	16	10	10	85	10	2	CTPA-FR(N)(V)(NV) CTPA-FR(N)	M4X5	T15	●	206220	400	
	12GX-SUB	16	12	12	85	12	0					●	206222	400
	12JX-SUB	16	12	12	120	12	0					●	206224	400
CTPAL10GX-SUB	10GX-SUB	16	10	10	85	10	2	CTPA-FLN(K)(V)(NV) CTPA-FLN(K)	M4X5	T15	●	206226	400	
	12GX-SUB	16	12	12	85	12	0					●	206228	400
	12JX-SUB	16	12	12	120	12	0					●	206230	400
	16GX-SUB	16	16	16	85	16	0					●	206232	400

CTPL-SUB型 CTPL-SUB Type



车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
成型

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

CTP-OH2型(内部给油型)

CTP-OH2 type (internal oil supply type)

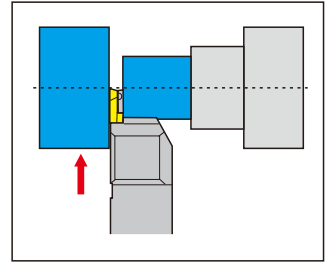
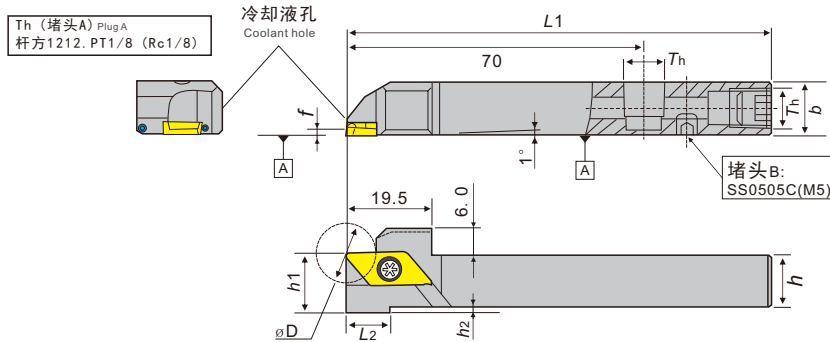


Fig.1

· 图示为右手刀
· Right hand knife shown

CTP-OH型(内部给油型)

CTP-OH type (internal oil supply type)

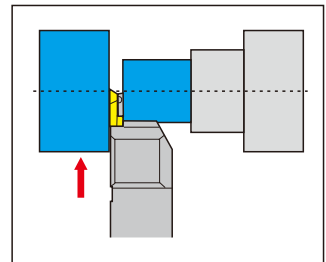
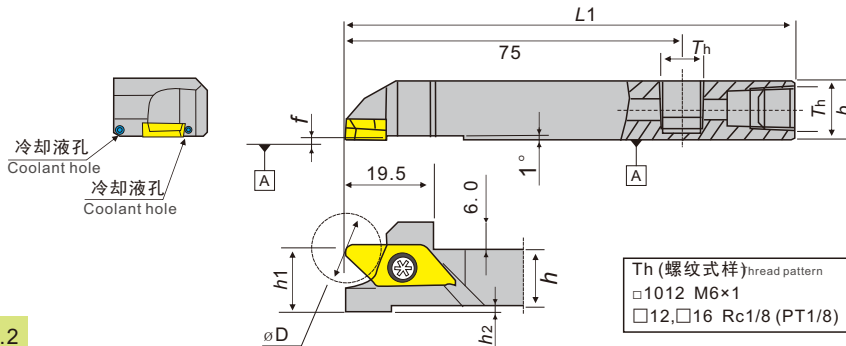


Fig.2

· 图示为右手刀
· Right hand knife shown

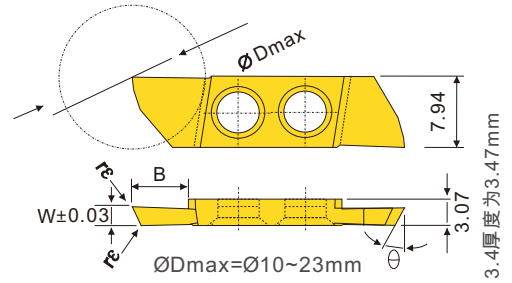
刀片 (Inserts): AB39-AB41
零配件 (Toolholder Parts): P03-P06

刀杆形状 Cutter bar shape	刀杆型号 Cutter bar model	最大切断直径 (mm) D	尺寸 (mm) Dimensions (mm)							适用刀片 Suitable Insert	零部件 Components and parts		库存 Stock		编码 Encoded	价格 Price
			h	b	L ₁	h ₁	h ₂	L ₂	f		紧固螺丝 Fastening screw	扳手 Spanner	R	L		
Fig.1	CTP ^{R/L} 12H-OH2	12.0	12	12	100	12	2	-	1.5	CTP	M4.0x12	T15	●	○		
	CTPA ^{R/L} 12H-OH2	16.0	12	12	100	12	2	10	2.0	CTPA	M4.0x12	T15	●	○		
	16H-OH2	16.0	16	16	100	16	0	-	2.0	CTPA	M4.0x12	T15	●	○		
Fig.2	CTP ^{R/L} 1012H-OH	12.0	10	12	100	12	4	-	0.0	CTP	M4.0x12	T15	●			
	12H-OH	12.0	12	12	100	12	2	-	0.0				●			
	16H-OH	12.0	16	16	100	16	0	-	0.0	●						
	CTPA ^{R/L} 12H-OH	16.0	12	12	100	12	2	10	3.4	CTPA	M4.0x12	T15	●	○		
16H-OH	16.0	16	16	100	16	0	-	3.4	●				○			

CTPW型

CTPWType

切槽/切断/背车车削加工
Grooving / Cut-Off/Back Turning



切削形态: Cutting Environment		● 稳定切削 Stable Cutting		● 一般切削 General Cutting		☺ 一般切削(第二推荐) General Cutting(Second recommend)		✖ 不稳定切削 Unstable Cutting	
P	钢 Steel	●				☺			
M	不锈钢 Stainless Steel					☺			
K	铸铁 Iron					☺			
N	铝/铜/镁/锌/塑料/木材 Aluminum/Copper/Magnesium/Zinc/Plastic/Wood					☺			
S	硬质合金/粉末冶金 Carbide/Powder Metallurgy							✖	
H	钛/高温合金/碳纤维 Titanium/Superalloy/Carbon Fiber							✖	

切削形态: Cutting Environment		● 稳定切削 Stable Cutting		● 一般切削 General Cutting		☺ 一般切削(第二推荐) General Cutting(Second recommend)		✖ 不稳定切削 Unstable Cutting	
P	钢 Steel	●				☺			
M	不锈钢 Stainless Steel					☺			
K	铸铁 Iron					☺			
N	铝/铜/镁/锌/塑料/木材 Aluminum/Copper/Magnesium/Zinc/Plastic/Wood					☺			
S	硬质合金/粉末冶金 Carbide/Powder Metallurgy							✖	
H	钛/高温合金/碳纤维 Titanium/Superalloy/Carbon Fiber							✖	

用途 Application	尺寸形状 Dimension and Shape	规格型号 Specification	尺寸 Dimension				应用范围	应用范围		
			W±0.05	B	r _c	θ				
切槽加工 Cut-off		CTPW10FR	1.0	5.0	0.06	15°	●	●	●	●
		15FR	1.5	8.5	0.06		●	●	●	●
		20FR	2.0	11.5	0.1		●	●	●	●
		25FR	2.5	11.5	0.1		●	●	●	●
		30FR	3.0	11.5	0.2		●	●	●	●
切槽加工 Cut-off		CTPW10FRN	1.0	5.0	0.06	0°	●	●	●	●
		15FRN	1.5	8.5	0.06		●	●	●	●
		20FRN	2.0	11.5	0.1		●	●	●	●
		25FRN	2.5	11.5	0.1		●	●	●	●
		30FRN	3.0	11.5	0.2		●	●	●	●
切槽加工 Cut-off		CTPW10FL	1.0	5.0	0.06	15°	●	●	●	●
		15FL	1.5	8.5	0.06		●	●	●	●
		20FL	2.0	11.5	0.1		●	●	●	●
		25FL	2.5	11.5	0.1		●	●	●	●
		30FL	3.0	11.5	0.2		●	●	●	●
切槽加工 Cut-off		CTPW10FLN	1.0	5.0	0.06	0°	●	●	●	●
		15FLN	1.5	8.5	0.06		●	●	●	●
		20FLN	2.0	11.5	0.1		●	●	●	●
		25FLN	2.5	11.5	0.1		●	●	●	●
		30FLN	3.0	11.5	0.2		●	●	●	●

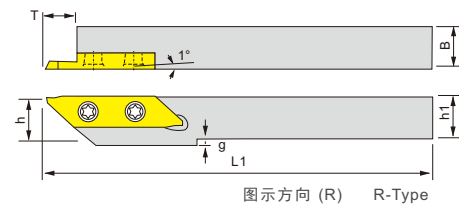
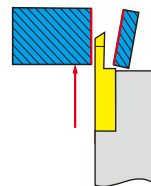
用途 Application	尺寸形状 Dimension and Shape	规格型号 Specification	尺寸 Dimension				应用范围	应用范围		
			W±0.05	B	r _c	θ				
切槽加工 Cut-off		CTPW10FRU	1.0	5.0	0.06	15°	●	●	●	●
		15FRU	1.5	8.5	0.06		●	●	●	●
		20FRU	2.0	11.5	0.1		●	●	●	●
		25FRU	2.5	11.5	0.1		●	●	●	●
		30FRU	3.0	11.5	0.2		●	●	●	●
切槽加工 Cut-off		CTPW10FRNV	1.0	5.0	0.06	0°	●	●	●	●
		15FRNV	1.5	8.5	0.06		●	●	●	●
		20FRNV	2.0	11.5	0.1		●	●	●	●
		25FRNV	2.5	11.5	0.1		●	●	●	●
		30FRNV	3.0	11.5	0.2		●	●	●	●
切槽加工 Cut-off		CTPW10FL1	1.0	5.0	0.06	15°	●	●	●	●
		15FL1	1.5	8.5	0.06		●	●	●	●
		20FL1	2.0	11.5	0.1		●	●	●	●
		25FL1	2.5	11.5	0.1		●	●	●	●
		30FL1	3.0	11.5	0.2		●	●	●	●
切槽加工 Cut-off		CTPW10FLNV	1.0	5.0	0.06	0°	●	●	●	●
		15FLNV	1.5	8.5	0.06		●	●	●	●
		20FLNV	2.0	11.5	0.1		●	●	●	●
		25FLNV	2.5	11.5	0.1		●	●	●	●
		30FLNV	3.0	11.5	0.2		●	●	●	●
端面切槽加工 End-face Grooving		CTPW20FLN-D	2.0	9.0	0.06	0°	●	●	●	●
		25FLN-D	2.5	11.5	0.10		●	●	●	●
		30FLN-D	3.0	11.5	0.15		●	●	●	●
		34FLN-D	3.4	11.5	0.15		●	●	●	●

☆θ Installation Angle For The Toolholder ☆θ为刀柄安装时取值

CTPW 型

CTPW Type

刀片 (Inserts): AB44, A42
零配件 (Toolholder Parts): P03-P06



刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number	Price (RMB)
	h	B	L1	h1	g	T				R	L		
CTPWR/L 10JX	10	12	120	9.95	2	11.5	CTPW..	T15	M4.0×8	●	●	206326	280
12JX	12	12	120	11.95	0	11.5				●	●	206328	260
16JX	16	16	120	15.95	0	11.5				●	●	206330	200
20K	20	20	125	19.95	0	11.5				●	●	206332	260
25M	25	25	150	24.95	0	11.5				●	●	206334	300

车削刀柄

CSV 凸床车床刀具

DS 刀柄

正面排刀

Y轴刀柄

前车削

后车削

小径切槽 切断 螺纹

小孔加工

滚花成型

焊接车刀 夹头

外圆车削

内孔车削

螺纹车削

切槽 切断

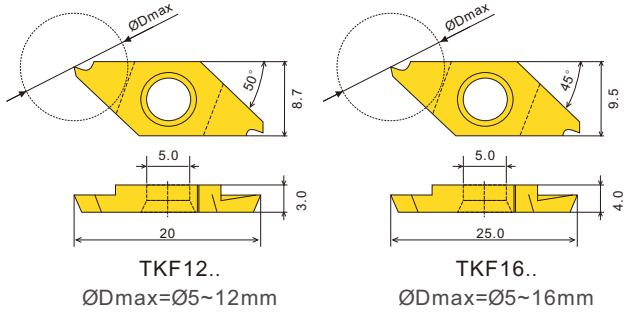
端面切槽

阻尼模组

TKF型

TKFType

切槽/切槽刀片小零件加工
Cutting/slotting blade machining of small parts



切削线速度 (Cutting Speed): m/min¹

(mm)

加工材料	刀具材质	PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZN15	ZM856
材料特点		金刚石	钢铁专用	难切削材料	光洁度好	铜铝加工	黄色通用	紫色通用	不锈钢通用
P 低碳钢					150-600		60-250	70-250	100-250
高碳钢					150-350		60-150	70-150	80-150
淬硬钢 HRC46-58				10-30			20-60	20-60	20-60
M 不锈钢					200-300		50-150	50-150	70-150
K 灰口铸铁			300-1500		100-300		130-210	150-200	150-300
球墨铸铁/轧辊			400-800		100-200		100-160	100-150	150-230
N 镁/铝/铜/锌/塑料/木材		300-1200				300-1200			
铝合金 HB50-70		300-1500				300-1500			
淬硬铝合金 HB70-110		300-800				300-800			
铜/青铜/黄铜		300-1000				300-1000			
S 硬质合金/粉末冶金		10-30				10-30			
钛/高温合金/碳纤维		400-600				400-600			
H 钛/高温合金/碳纤维		100-200				100-200		20-50	20-50
								20-60	20-60

切削形态: ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ☺ 一般切削(第二推荐) General Cutting(Second recommend) ☹ 不稳定切削 Unstable Cutting

应用	材料	PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZN15	ZM856	ZM860
P	钢 Steel	●	●	●	●	●	●	●	●	●
M	不锈钢 Stainless Steel	●	●	●	●	●	●	●	●	●
K	铸铁 Iron	●	●	●	●	●	●	●	●	●
N	铝/铜/镁/锌/塑料/木材 Aluminum/Copper/Magnesium/Zinc/Plastic/Wood	●	●	●	●	●	●	●	●	●
S	硬质合金/粉末冶金 Carbide/Powder Metallurgy	●	●	●	●	●	●	●	●	●
H	钛/高温合金/碳纤维 Titanium/Superalloy/Carbon Fiber	●	●	●	●	●	●	●	●	●

切削形态: ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ☺ 一般切削(第二推荐) General Cutting(Second recommend) ☹ 不稳定切削 Unstable Cutting

应用	材料	PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZN15	ZM856	ZM860
P	钢 Steel	●	●	●	●	●	●	●	●	●
M	不锈钢 Stainless Steel	●	●	●	●	●	●	●	●	●
K	铸铁 Iron	●	●	●	●	●	●	●	●	●
N	铝/铜/镁/锌/塑料/木材 Aluminum/Copper/Magnesium/Zinc/Plastic/Wood	●	●	●	●	●	●	●	●	●
S	硬质合金/粉末冶金 Carbide/Powder Metallurgy	●	●	●	●	●	●	●	●	●
H	钛/高温合金/碳纤维 Titanium/Superalloy/Carbon Fiber	●	●	●	●	●	●	●	●	●

应用	尺寸形状 Dimension and Shape	规格型号 Specification	尺寸 Dimension				应用																
			W±0.05	B	r _c	θ	PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZN15	ZM856	ZM860								
切槽加工 Cut-off	有排屑槽 With Groove	TKF12R 050-S16R	0.5	2.8	0.03	16°	●	●	●	●	●	●	●	●	●	●	●	●	●	●			
		TKF16R 100-S16R	1.0	8.5			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
切槽加工 Cut-off	无排屑槽 Without Groove	TKF12R 070-S16R	0.7	4.5			0.03	20°	●	●	●	●	●	●	●	●	●	●	●	●	●		
		TKF16R 125-S16R	1.25	8.5					●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
切槽加工 Cut-off	有排屑槽 With Groove	TKF12R 100-S	1.0	2.8					0.03	0°	●	●	●	●	●	●	●	●	●	●	●	●	●
		TKF16R 150-S	1.5	8.5							●	●	●	●	●	●	●	●	●	●	●	●	●
切槽加工 Cut-off	无排屑槽 Without Groove	TKF12L 050-S16R	0.5	2.8	0.03	16°					●	●	●	●	●	●	●	●	●	●	●	●	●
		TKF16L 100-S16R	1.0	8.5							●	●	●	●	●	●	●	●	●	●	●	●	●
切槽加工 Cut-off	有排屑槽 With Groove	TKF12L 070-S	0.7	4.5			0.03	0°			●	●	●	●	●	●	●	●	●	●	●	●	●
		TKF16L 125-S	1.25	8.5							●	●	●	●	●	●	●	●	●	●	●	●	●
切槽加工 Cut-off	无排屑槽 Without Groove	TKF12L 150-S	1.5	6.5					0.03	0°	●	●	●	●	●	●	●	●	●	●	●	●	●
		TKF16L 200-S	2.0	8.5							●	●	●	●	●	●	●	●	●	●	●	●	●
切槽加工 Cut-off	有排屑槽 With Groove	TKF12L 200-S	2.0	6.5	0.03	0°					●	●	●	●	●	●	●	●	●	●	●	●	●
		TKF16L 300-S	3.0	8.5							●	●	●	●	●	●	●	●	●	●	●	●	●

应用	尺寸形状 Dimension and Shape	规格型号 Specification	尺寸 Dimension				应用																
			W±0.05	B	r _c	θ	PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZN15	ZM856	ZM860								
切槽加工 Cut-off	有排屑槽 With Groove	TKF12R 050-S	0.5	2.8	0.03	0°	●	●	●	●	●	●	●	●	●	●	●	●	●	●			
		TKF16R 100-S	1.0	8.5			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
切槽加工 Cut-off	无排屑槽 Without Groove	TKF12L 050-S16R	0.5	2.8			0.03	20°	●	●	●	●	●	●	●	●	●	●	●	●	●		
		TKF16L 100-S16R	1.0	8.5					●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
切槽加工 Cut-off	有排屑槽 With Groove	TKF12L 070-S16R	0.7	4.5					0.03	20°	●	●	●	●	●	●	●	●	●	●	●	●	●
		TKF16L 125-S16R	1.25	8.5							●	●	●	●	●	●	●	●	●	●	●	●	●
切槽加工 Cut-off	无排屑槽 Without Groove	TKF12L 125-S16R	1.25	6.5	0.03	0°					●	●	●	●	●	●	●	●	●	●	●	●	●
		TKF16L 150-S16R	1.5	8.5							●	●	●	●	●	●	●	●	●	●	●	●	●
切槽加工 Cut-off	有排屑槽 With Groove	TKF12L 150-S	1.5	6.5			0.03	0°			●	●	●	●	●	●	●	●	●	●	●	●	●
		TKF16L 200-S	2.0	8.5							●	●	●	●	●	●	●	●	●	●	●	●	●
切槽加工 Cut-off	无排屑槽 Without Groove	TKF12L 200-S	2.0	6.5					0.03	0°	●	●	●	●	●	●	●	●	●	●	●	●	●
		TKF16L 300-S	3.0	8.5							●	●	●	●	●	●	●	●	●	●	●	●	●

☆θ为刀柄安装时取值

☆θ Installation Angle For The Toolholder

小零件加工

Small Part Machining

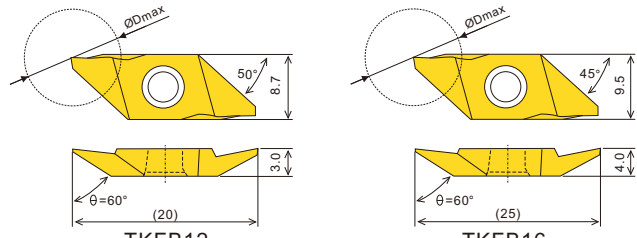
小零件切槽 | 切断 | 螺纹加工

Small Parts For Groove / Cut-off / Threading Cutting Tool

TKFB型

TKFBType

后车车削刀片外圆加工
Rear turning blade outer circle machining



TKFB12.. ØDmax=Ø5~9mm
TKFB16.. ØDmax=Ø5~12mm

应用		尺寸形状	规格型号	尺寸 Dimension				材料											
用途		Dimension and Shape	Specification	W	B	rℓ	a	PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP15	ZP150	ZP680	ZM856	ZM860	
外圆加工 External Processing	有排屑槽 With Groove		TKFB12R 15005M 28005M 28010M	1.5 2.8 2.8	2.6 4.6 4.6	0.05 0.05 0.1	0.25 0.3 0.3	●	●	●	●	●	●	●	●	●	●	●	●
	有排屑槽 With Groove		TKFB16R 38005M 38010M	3.8	0.3	0.05 0.1	0.3	●	●	●	●	●	●	●	●	●	●	●	●

应用		尺寸形状	规格型号	尺寸 Dimension				材料											
用途		Dimension and Shape	Specification	W	B	rℓ	a	PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP15	ZP150	ZP680	ZM856	ZM860	
外圆加工 External Processing	有排屑槽 With Groove		TKFB12L 15005M 28005M 28010M	1.5 2.8 2.8	2.6 4.6 4.6	0.05 0.05 0.1	0.25 0.3 0.3	●	●	●	●	●	●	●	●	●	●	●	●
	有排屑槽 With Groove		TKFB16L 38005M 38010M	3.8	0.3	0.05 0.1	0.3	●	●	●	●	●	●	●	●	●	●	●	●

☆ ⊙ 为刀柄安装时取角
☆ ⊙ Installation Angle For The Toolholder

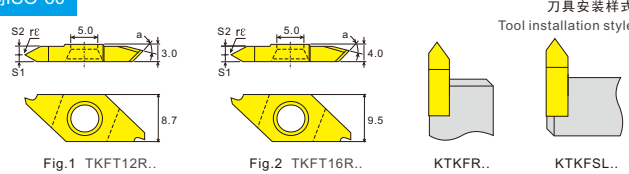
TKFT型

TKFTType

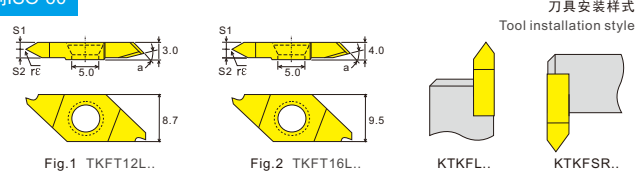
精密螺纹刀片小零件加工
Precision threaded blade machining of small parts

螺纹应用领域：一般工业
Thread Application: General Industry

公制ISO-60°



公制ISO-60°



应用	规格型号	螺距		尺寸				材料											
		(mm)	(tpi)	rℓ	S1	S2	a	PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP15	ZP150	ZP680	ZM856	ZM860	
螺纹加工 Thread Processing	TKFT12R	A6000	0.2-0.6	64-48	<0.05	0.4	2.1	60°	1	●	●	●	●	●	●	●	●	●	●
		B6000	0.2-0.6	64-48	<0.05	2.1	0.4			●	●	●	●	●	●	●	●	●	●
		A60005	0.5-1.25	48-24	0.05	0.8	1.7	0.8			●	●	●	●	●	●	●	●	●
	TKFT16R	A6000	0.2-0.6	64-48	<0.05	0.4	2.1	60°	2	●	●	●	●	●	●	●	●	●	●
		B6000	0.2-0.6	64-48	<0.05	2.1	0.4			●	●	●	●	●	●	●	●	●	●
		A60005	0.5-1.25	48-24	0.05	0.8	1.7	0.8			●	●	●	●	●	●	●	●	●

应用	规格型号	螺距		尺寸				材料											
		(mm)	(tpi)	rℓ	S1	S2	a	PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP15	ZP150	ZP680	ZM856	ZM860	
螺纹加工 Thread Processing	TKFT12L	A6000	0.2-0.6	64-48	<0.05	2.1	0.4	60°	1	●	●	●	●	●	●	●	●	●	●
		B6000	0.2-0.6	64-48	<0.05	0.4	2.1			●	●	●	●	●	●	●	●	●	●
		A60005	0.5-1.25	48-24	0.05	1.7	0.8	0.8			●	●	●	●	●	●	●	●	●
	TKFT16L	A6000	0.2-0.6	64-48	<0.05	2.1	0.4	60°	2	●	●	●	●	●	●	●	●	●	●
		B6000	0.2-0.6	64-48	<0.05	0.4	2.1			●	●	●	●	●	●	●	●	●	●
		A60005	0.5-1.25	48-24	0.05	1.7	0.8	0.8			●	●	●	●	●	●	●	●	●

英制W-55°

应用	规格型号	螺距		尺寸				材料											
		(mm)	(tpi)	rℓ	S1	S2	a	PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP15	ZP150	ZP680	ZM856	ZM860	
螺纹加工 Thread Processing	TKFT12R	A55005	-	40-16	0.05	0.8	1.7	55°	1	●	●	●	●	●	●	●	●	●	●
		B55005	-	40-16	0.05	1.7	0.8			●	●	●	●	●	●	●	●	●	●
螺纹加工 Thread Processing	TKFT16R	A55005	-	40-16	0.05	0.8	1.7	55°	2	●	●	●	●	●	●	●	●	●	●
		B55005	-	40-16	0.05	1.7	0.8			●	●	●	●	●	●	●	●	●	●

英制W-55°

应用	规格型号	螺距		尺寸				材料											
		(mm)	(tpi)	rℓ	S1	S2	a	PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP15	ZP150	ZP680	ZM856	ZM860	
螺纹加工 Thread Processing	TKFT12L	A55005	-	40-16	0.05	1.7	0.8	55°	1	●	●	●	●	●	●	●	●	●	●
		B55005	-	40-16	0.05	0.8	1.7			●	●	●	●	●	●	●	●	●	●
螺纹加工 Thread Processing	TKFT16L	A55005	-	40-16	0.05	1.7	0.8	55°	2	●	●	●	●	●	●	●	●	●	●
		B55005	-	40-16	0.05	0.8	1.7			●	●	●	●	●	●	●	●	●	●

车削刀柄

CSV
凸床
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
成型

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

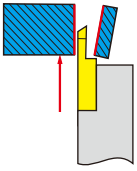
端面
切槽

阻尼
模组

KTKFR 型

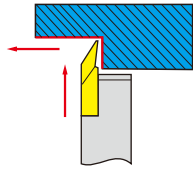
KTKFR Type

切槽/切断/背车/螺纹车削加工共用
Grooving/Cut-off/Back Turning/Threading



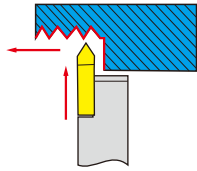
切槽/切断
Grooving/Cut-off

刀片 (Inserts):
AB45



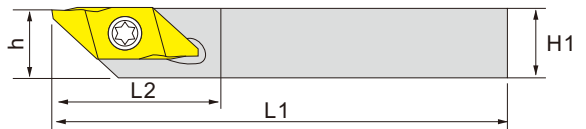
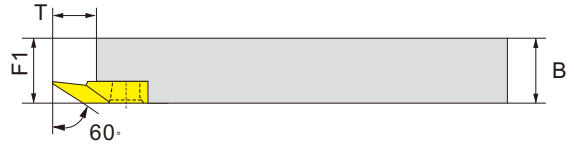
背车削加工
Back Turning

刀片 (Inserts):
AB46



螺纹车削加工
Threading

刀片 (Inserts):
AB46



图示方向 (R) R-Type

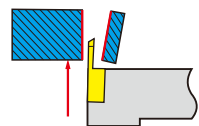
零配件 (Toolholder Parts): P03-P06

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number	Price (RMB)
	H1=h	B	L1	L2	T	F1	R				L			
KTKFR/L	0808JX12	8	8	120	15	6	8	切断 TKF..12R.. 后扫 TKFB..12R.. 螺纹 TKFT..12R..	T20	M4.5×8	●	○	206100	
	1010JX12	10	10	120	15	6	10				●	○	206102	
	1212F-12	12	12	85	-	6	12				●	○	206104	
	1212JX12	12	12	120	-	6	12				●	○	206106	
	1616JX12	16	16	120	-	6	16				●	○	206108	
	2020JX12	20	20	120	-	6	20				●	○		
KTKFR/L	1010JX16	10	10	120	20	8	10	切断 TKF..12R.. 后扫 TKFB..12R.. 螺纹 TKFT..12R..	T20	M4.5×8	●	○	206110	
	1212F-16	12	12	85	-	8	12				●	○	206112	
	1212JX16	12	12	120	-	8	12				●	○	206114	
	1616JX16	16	16	120	-	8	16				●	○	206116	
	2020JX16	20	20	120	-	8	20				●	○	206118	
	2525M16	25	25	150	-	8	30				●	○		

KTKFSL 型

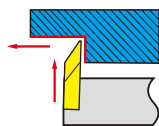
KTKFSL Type

切槽/切断/背车/螺纹车削加工
Grooving/Cut-off/Back Turning/Threading



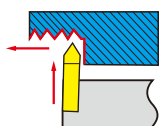
切槽/切断
Grooving/Cut-off

刀片 (Inserts):
AB45



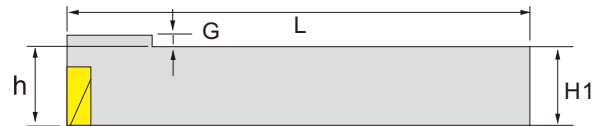
背车削加工
Back Turning

刀片 (Inserts):
AB46



螺纹车削加工
Threading

刀片 (Inserts):
AB46



图示方向 (L) L-Type

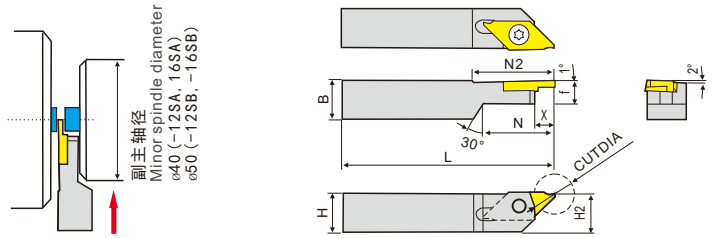
零配件 (Toolholder Parts): P03-P06

刀把型号 Ordering Code	尺寸 Dimensions							刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number	Price (RMB)
	H1=h	B	L	L1	G	F1	R				L			
KTKFSR/L	1010JX12	10	10	120	6.0	2	6	切断 TKF..12R.. 后扫 TKFB..12R.. 螺纹 TKFT..12R..	T20	M4.5×8	●	●	206121	300
	1212JX12	12	12	120	6.0	0	4				●	●	206123	300
	1616JX12	16	16	120	6.0	0	2				●	●	206125	300
	2020JX12	20	20	120	6.0	0	0				●	●	206127	300
KTKFSR/L	1010JX16	10	10	120	8.0	2	8	切断 TKF..12R.. 后扫 TKFB..12R.. 螺纹 TKFT..12R..	T20	M4.5×8	●	●	206129	300
	1212JX16	12	12	120	8.0	0	6				●	●	206131	300
	1616JX16	16	16	120	8.0	0	4				●	●	206133	300
	2020JX16	20	20	120	8.0	0	2				●	●	206135	300

KTKFR-SA/SB 型

KTKFR-SA/SB Type

● 本图为右手 (R)
This image is for the right hand (R)



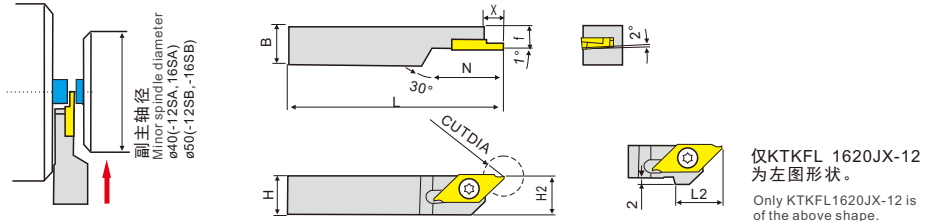
KTKFL-SA/SB 型

KTKFL-SA/SB Type

刀片 (Inserts): AB45-AB46

零配件 (Toolholder Parts): P03-P06

● 本图为左手 (L)
This image is for the left hand (L)



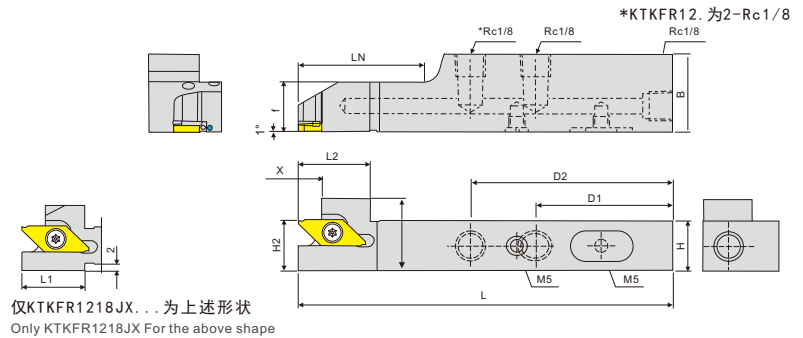
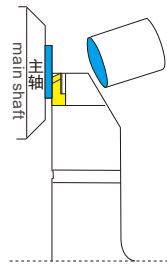
仅KTKFL 1620JX-12 为左图形状。
Only KTKFL1620JX-12 is of the above shape.

型号 Model number	加工径 Machining diameter	尺寸 (mm) dimension (mm)										零件 parts		库存 inventory		适用刀片 Suitable for Insert	编码 Encoded		
		CUTDIA	H	H2	B	L	L2	N	N2	f	X	紧固螺钉 Fastening screw	扳手 wrench	R	L				
KTKF ^{R/L} 1010JX-12SA	5~12	10	10	10	120	15	22	26	7.2	6	M4.5×9	T20	●	●	TKF-12 ^{R/L}				
1212F-12SA		12	12	12	85	-											26		
KTKF ^{R/L} 1212JX-12SB	12	12	12	120	-	26	30	7.2	8	●							●	TKF-16 ^{R/L}	
KTKF ^{R/L} 1010JX-16SA	10	10	10	120	20	22													
1212F-12SB	12	12	12	85	-	26													
KTKF ^{R/L} 1212JX-16SA	16	12	12	120	-	26													

KTKFR-JCT 型

KTKFR-JCT Type

● 本图为右手 (R)
This image is for the right hand (R)

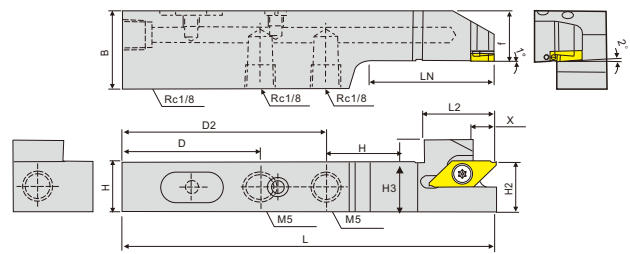
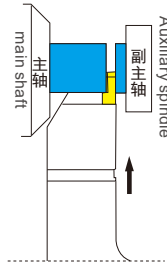


仅KTKFR1218JX... 为上述形状
Only KTKFR1218JX For the above shape

KTKFL-JCT 型

KTKFL-JCT Type

● 本图为左手 (L)
This picture is for the left hand (L)



刀片 (Inserts): AB45-AB46
零配件 (Toolholder Parts): P03-P06

型号 Model number	尺寸 (mm) dimension (mm)												零件 parts		库存 inventory		适用刀片 Suitable for Insert	编码 Encoded		
	H	H2	H3	B	L	L1	L2	LN	f	X	D1	D2	紧固螺钉 Fastening screw	扳手 wrench	插销1 Pin 1	插销2 Pin 2			R	L
KTKFR1218JX-12JCT	12	12	19	18	20	20	28	12	7.5	44	21	54	-	M4.5x9	T20	PT1/8	MX4LP	●	●	TKF12R... TKFT12R...
KTKF ^{R/L} 1625JX-12JCT	16	16	23	25	120	-	23	40												
KTKF ^{R/L} 2025JX-12JCT	20	20	27	25	120	-	23	40	16	21	65	21	65	TKF16 ^{R/L} ... TKFT16 ^{R/L} ...						
KTKF ^{R/L} 1625JX-16JCT	16	16	23	25	120	-	23	40	16	21	65	21	65	TKF16 ^{R/L} ... TKFT16 ^{R/L} ...						
KTKF ^{R/L} 2025JX-16JCT	20	20	27	25	120	-	23	41	20	21	65	21	65	TKF16 ^{R/L} ... TKFT16 ^{R/L} ...						

车削
车刀

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
成型

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

TTP型

TTPType

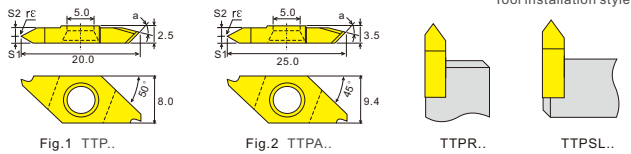
精密螺纹刀片小零件加工

Precision threaded blade machining of small parts

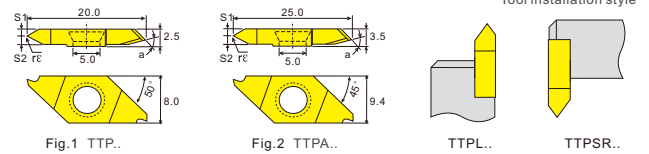
螺纹应用领域：工业机械用管螺纹

Thread Application: Pipe thread for industrial machinery

公制ISO-60°



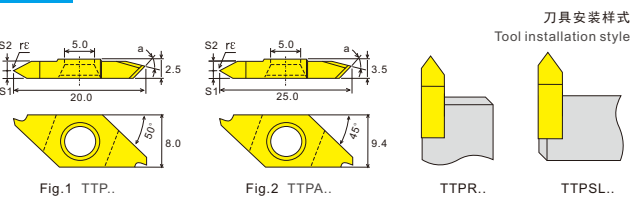
公制ISO-60°



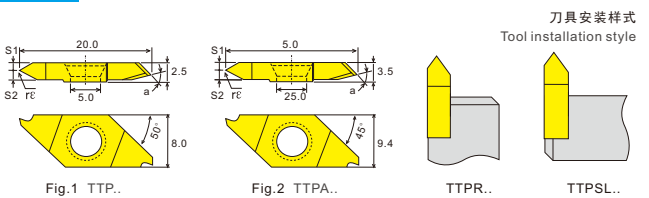
用途 Application	规格型号 Specification	螺距 Pitch of Screw		尺寸 Dimension (mm)						刀片 Blade									
		(mm)	(tpi)	rE	S1	S2	a	Fig	PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP150	ZM856	ZM860		
螺纹加工 Thread processing	TTP60	FR4A	0.2-0.6	64-48	<0.05	0.4	2.1	60°	1	●	●	●	●	●	●	●	●	●	
		FR4B	0.2-0.6	64-48	<0.05	2.1	0.4			●	●	●	●	●	●	●	●	●	●
		FR8A	0.5-1.25	48-24	0.05	0.8	1.7			●	●	●	●	●	●	●	●	●	●
		FR8B	0.5-1.25	48-24	0.05	1.7	0.8			●	●	●	●	●	●	●	●	●	●
		FRN	1.0-1.50	24-18	0.1	1.25	1.25			●	●	●	●	●	●	●	●	●	●
	FRN02	1.0-1.50	24-18	0.2	1.25	1.25	●	●	●	●	●	●	●	●	●	●			
	TTPA60	FR4A	0.2-0.6	64-48	<0.05	0.4	2.1	60°	2	●	●	●	●	●	●	●	●	●	
		FR4B	0.2-0.6	64-48	<0.05	2.1	0.4			●	●	●	●	●	●	●	●	●	●
		FR8A	0.5-1.25	48-24	0.05	0.8	1.7			●	●	●	●	●	●	●	●	●	●
		FR8B	0.5-1.25	48-24	0.05	1.7	0.8			●	●	●	●	●	●	●	●	●	●
FRN		1.0-1.50	24-18	0.1	1.25	1.25	●			●	●	●	●	●	●	●	●	●	
FRN02	1.0-1.50	24-18	0.2	1.25	1.25	●	●	●	●	●	●	●	●	●	●	●			

用途 Application	规格型号 Specification	螺距 Pitch of Screw		尺寸 Dimension (mm)						刀片 Blade									
		(mm)	(tpi)	rE	S1	S2	a	Fig	PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP150	ZM856	ZM860		
螺纹加工 Thread processing	TTP60	FL4A	0.2-0.6	64-48	<0.05	0.4	2.1	60°	1	●	●	●	●	●	●	●	●	●	
		FL4B	0.2-0.6	64-48	<0.05	2.1	0.4			●	●	●	●	●	●	●	●	●	●
		FL8A	0.5-1.25	48-24	0.05	0.8	1.7			●	●	●	●	●	●	●	●	●	●
		FL8B	0.5-1.25	48-24	0.05	0.8	1.7			●	●	●	●	●	●	●	●	●	●
		FLN	1.0-1.50	24-18	0.1	1.25	1.25			●	●	●	●	●	●	●	●	●	●
	FLN02	1.0-1.50	24-18	0.2	1.25	1.25	●	●	●	●	●	●	●	●	●	●	●		
	TTPA60	FL4A	0.2-0.6	64-48	<0.05	0.4	2.1	60°	2	●	●	●	●	●	●	●	●	●	
		FL4B	0.2-0.6	64-48	<0.05	2.1	0.4			●	●	●	●	●	●	●	●	●	●
		FL8A	0.5-1.25	48-24	0.05	0.8	1.7			●	●	●	●	●	●	●	●	●	●
		FL8B	0.5-1.25	48-24	0.05	0.8	1.7			●	●	●	●	●	●	●	●	●	●
FLN		1.0-1.50	24-18	0.1	1.25	1.25	●			●	●	●	●	●	●	●	●	●	
FLN02	1.0-1.50	24-18	0.2	1.25	1.25	●	●	●	●	●	●	●	●	●	●	●			

英制W-55°



英制W-55°



用途 Application	规格型号 Specification	螺距 Pitch of Screw		尺寸 Dimension (mm)						刀片 Blade								
		(mm)	(tpi)	rE	S1	S2	a	Fig	PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP150	ZM856	ZM860	
螺纹加工 Thread processing	TTP55	FR8A	-	48-16	0.05	0.8	1.7	55°	1	●	●	●	●	●	●	●	●	●
		FR8B	-	48-16	0.05	1.7	0.8			●	●	●	●	●	●	●	●	●
	TTPA55	FR8A	-	48-16	0.05	0.8	1.7	55°	2	●	●	●	●	●	●	●	●	●
		FR8B	-	48-16	0.05	1.7	0.8			●	●	●	●	●	●	●	●	●

用途 Application	规格型号 Specification	螺距 Pitch of Screw		尺寸 Dimension (mm)						刀片 Blade								
		(mm)	(tpi)	rE	S1	S2	a	Fig	PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP150	ZM856	ZM860	
螺纹加工 Thread processing	TTP55	FL8A	-	48-16	0.05	0.8	1.7	55°	1	●	●	●	●	●	●	●	●	●
		FL8B	-	48-16	0.05	0.8	1.7			●	●	●	●	●	●	●	●	●
	TTPA55	FL8A	-	48-16	0.05	0.8	1.7	55°	2	●	●	●	●	●	●	●	●	●
		FL8B	-	48-16	0.05	0.8	1.7			●	●	●	●	●	●	●	●	●

TTP型

TTP Type

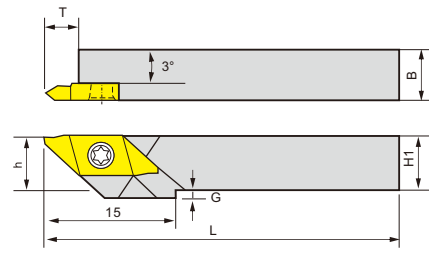
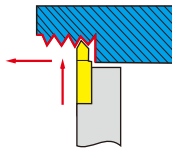
螺纹车削加工

Thread Turning



刀片 (Inserts): AB49

零配件 (Toolholder Parts): P03-P06



图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number	Price (RMB)
	h	B	L1	H1	G	T				R	L		
TTPR/L 08	8	8	120	8	4	7.0	TTP..	T15	M4.0×10	●	●	205700	260
10	10	120	10	2	7.0	●				●	205702	200	
12GX	12	12	85	12	0	7.0				●	●	205704	200
12	12	120	12	0	7.0	●				●	205706	200	
16H	16	16	100	16	0	7.0				●	●	205708	260
16	16	120	16	0	7.0	●				●	205710	200	
20F	20	20	80	20	0	7.0				●	●	205712	200

TTP-OH2型

内冷型螺纹车刀

Internally cooled thread turning tool

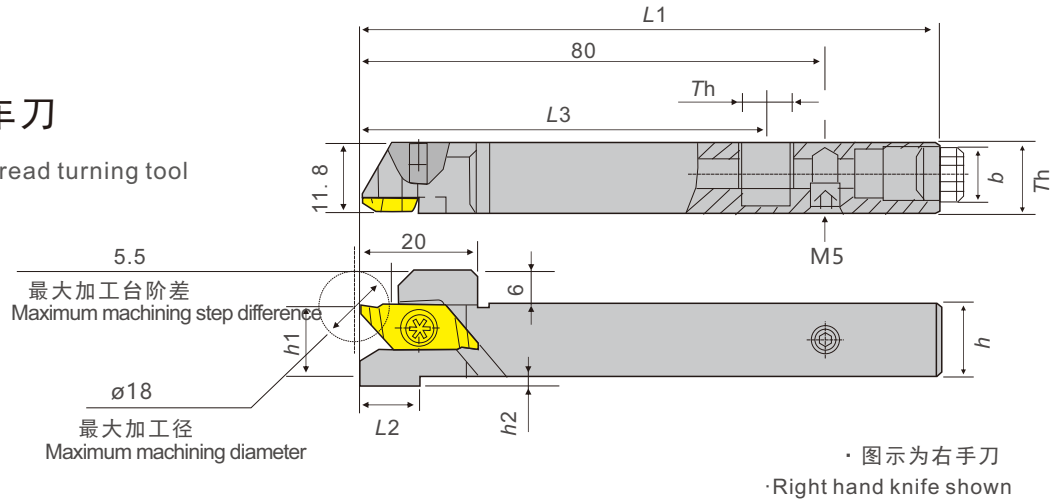


Fig.1

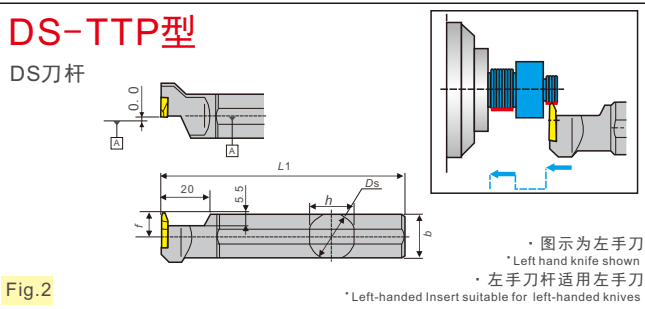


Fig.2

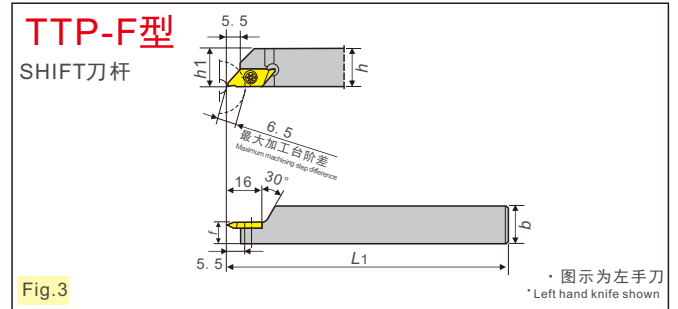


Fig.3

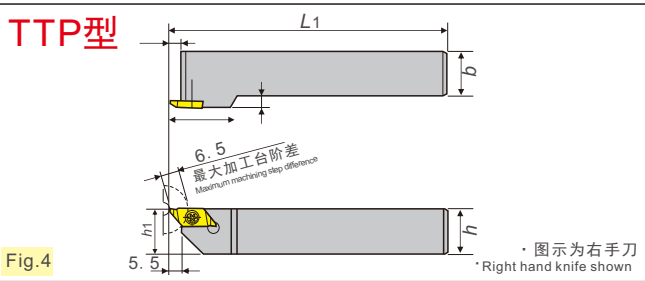


Fig.4

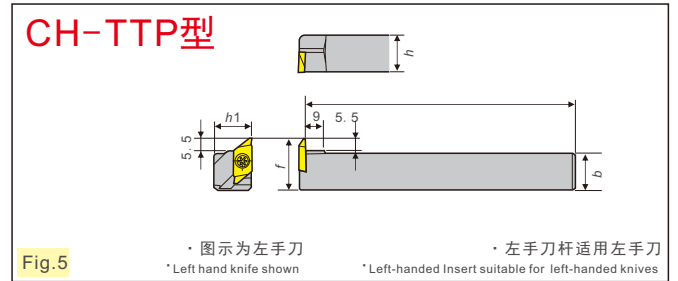


Fig.5

刀片 (Inserts): AB49
零配件 (Toolholder Parts): P03-P06

刀杆形状 Cutter bar shape	刀杆型号 Cutter bar model	尺寸 (mm) Dimensions (mm)									适用刀片 Suitable Insert	零部件 Components and parts		库存 Stock		编码 Encoded
		D_s	h	b	L_1	h_1	f	h_2	L_2	L_3		紧固螺丝 Fastening screw	扳手 Spanner			
Fig.1	TTP ^{R/L} 12H-OH2	-	12	12	100	12	-	-	-	-	TTP	M4.0x12	T15L4	●	●	
	TTP ^{R/L} 16JX-OH2	-	16	16	120	16	-	-	-	-		M4.0x12	T15L4	●	●	
Fig.2	DS-TTP ^{R/L} 16F	16.00	15	15	80	-	-	-	-	-		M4.0x10	T15		●	
	19.05 JX	19.05	18	18	120	-	-	-	-	-		M4.0x10	T15		●	
	20JX	20.00	19	19	120	-	-	-	-	-		M4.0x10	T15		●	
	22JX	22.00	21	21	120	-	-	-	-	-		M4.0x10	T15		●	
	25M	25.00	24	24	150	-	-	-	-	-		M4.0x10	T15		●	
Fig.3	TTP ^{R/L} 25.4M	25.40	24	24	150	-	-	-	-	-		M4.0x10	T15		●	
	TTP ^{R/L} 12JX-F06	-	12	12	120	12	6	-	-	-		M4.0x10	T15		●	
Fig.4	TTP ^{R/L} 16JX-F08	-	16	16	120	16	8	-	-	-		M4.0x10	T15		●	
	TTP ^{R/L} 20K-25	-	20	20	125	20	-	-	-	-		M4.0x10	T15	●	●	
Fig.5	TTP ^{R/L} 25M-30	-	25	25	150	25	-	-	-	-		M4.0x10	T15	●	●	
	CH-TTP ^{R/L} 16JX	-	16	16	120	16	-	-	-	-		M4.0x10	T15		●	
	CH-TTP ^{R/L} 20JX	-	20	20	120	20	-	-	-	-		M4.0x10	T15		●	

车削刀柄

CSV
凸轮车床
刀具

DS
刀柄

正面排刀

Y轴刀柄

前车削

后车削

小径切槽
切断
螺纹

小孔加工

滚花成型

焊接车刀
夹头

外圆车削

内孔车削

螺纹车削

切槽
切断

端面切槽

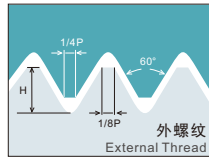
阻尼模组

TTX型

TTXType

精密螺纹刀片小零件加工

Precision threaded blade machining of small parts

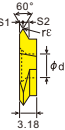


Material	切削形态: Stable Cutting	● 稳定切削 Stable Cutting	○ 一般切削 General Cutting	PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP150	ZP680	ZM856	ZM860
	Cutting Environment	☺ 一般切削(第二推荐) General Cutting(Second recommend)	☹ 不稳定切削 Unstable Cutting										
P	钢	Steel		●	●	●	●	●	●	●	●	●	●
M	不锈钢	Stainless Steel		●	●	●	●	●	●	●	●	●	●
K	铸铁	Iron		●	●	●	●	●	●	●	●	●	●
N	铝/铜/镁/锌/塑料/木材	Aluminum/Copper/Magnesium/Zinc/Plastic/Wood		●	●	●	●	●	●	●	●	●	●
S	硬质合金/粉末冶金	Carbide/Powder Metallurgy		●	●	●	●	●	●	●	●	●	●
H	钛/高温合金/碳纤维	Titanium/Superalloy/Carbon Fiber		●	●	●	●	●	●	●	●	●	●

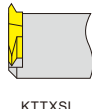
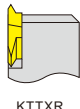
螺纹应用领域：一般工业

Thread Application: General Industry

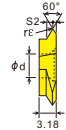
TTX32R



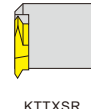
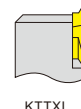
刀具安装样式 Tool installation style



TTX32L



刀具安装样式 Tool installation style



用途 Application	规格型号 Specification	螺距 Pitch of Screw		尺寸 Dimension (mm)						PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP150	ZP680	ZM856	ZM860	
		(mm)	(tpi)	rE	S1	S2	A	φd												
螺纹加工 Thread processing	TTX32R 6000	0.5-1.0	56-32	0.00	0.6	1.12					●	●	●	●	●	●	●	●	●	●
	6000S	0.5-1.0	56-32	0.00	0.3	1.12					●	●	●	●	●	●	●	●	●	●
	60005	0.5-1.0	48-32	0.05	0.6	1.12					●	●	●	●	●	●	●	●	●	●
	60005S	0.5-1.0	48-32	0.05	0.3	1.12	9.525	4.4			●	●	●	●	●	●	●	●	●	●
	6001	1.0-2.0	28-14	0.1	1.1	1.62					●	●	●	●	●	●	●	●	●	●
	6002	1.5-2.5	16-10	0.2	1.1	1.62					●	●	●	●	●	●	●	●	●	●
6003	2.5	11-10	0.3	1.1	1.62					●	●	●	●	●	●	●	●	●	●	

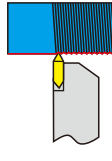
用途 Application	规格型号 Specification	螺距 Pitch of Screw		尺寸 Dimension (mm)						PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP150	ZP680	ZM856	ZM860	
		(mm)	(tpi)	rE	S1	S2	A	φd												
螺纹加工 Thread processing	TTX32L 6000	0.5-1.0	56-32	0.00	0.6	1.12					●	●	●	●	●	●	●	●	●	●
	6000S	0.5-1.0	56-32	0.00	0.3	1.12					●	●	●	●	●	●	●	●	●	●
	60005	0.5-1.0	48-32	0.05	0.6	1.12					●	●	●	●	●	●	●	●	●	●
	60005S	0.5-1.0	48-32	0.05	0.3	1.12	9.525	4.4			●	●	●	●	●	●	●	●	●	●
	6001	1.0-2.0	28-14	0.1	1.1	1.62					●	●	●	●	●	●	●	●	●	●
	6002	1.5-2.5	16-10	0.2	1.1	1.62					●	●	●	●	●	●	●	●	●	●
6003	2.5	11-10	0.3	1.1	1.62					●	●	●	●	●	●	●	●	●	●	

用途 Application	规格型号 Specification	螺距 Pitch of Screw		尺寸 Dimension (mm)						PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP150	ZP680	ZM856	ZM860
		(mm)	(tpi)	rE	S1	S2	A	φd											
螺纹加工 Thread processing	TTX32R 5501 5502	-	28-10 14-10	0.1 0.2	1.1 1.1	0.5 0.5	9.525	4.4			●	●	●	●	●	●	●	●	●

用途 Application	规格型号 Specification	螺距 Pitch of Screw		尺寸 Dimension (mm)						PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP150	ZP680	ZM856	ZM860
		(mm)	(tpi)	rE	S1	S2	A	φd											
螺纹加工 Thread processing	TTX32L 5501 5502	-	28-10 14-10	0.1 0.2	1.1 1.1	0.5 0.5	9.525	4.4			●	●	●	●	●	●	●	●	●

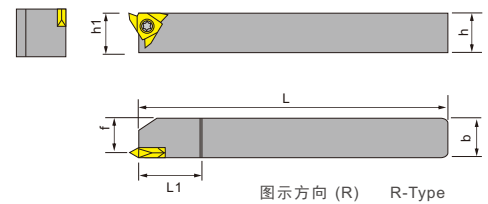
KTTXR

钢柄
Steel



外螺纹车削
External Thread Turning

刀片 (Inserts): AB26, A51-A54
零配件 (Toolholder Parts): P03-P06

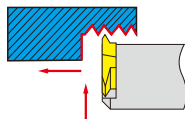


图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	螺丝 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)
	h	b	L	L1	h1	f						
KTTXR/L1010JX32	10	10	120	20	10	12	TTX32..	M4×10	L2.5 T15	● ●	232500	200
KTTXR/L1212JX32	12	12	120	20	12	16				● ●	232502	165
KTTXR/L1616JX32	16	16	120	20	16	20				● ●	232504	165
KTTXR/L2020JX32	20	20	120	22	20	25				● ●	232506	180
KTTXR/L2020K43	20	20	125	28	20	25	TT43..	M5×12	● ●	232508	180	
KTTXR/L2525M43	25	25	150	30	25	32			● ●	232510	220	
KTTXR/L3232P43	32	32	170	30	32	40			● ●	232512	300	

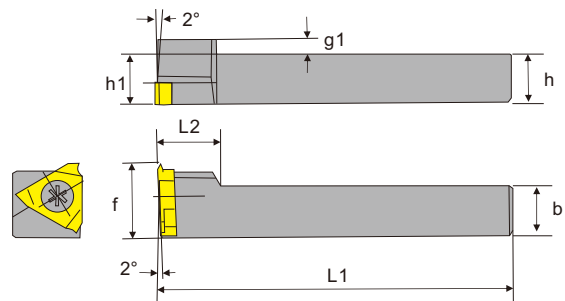
KTTXSL 型

KTTXSL Type



螺纹车削加工
Threading

刀片 (Inserts): AB51
零配件 (Toolholder Parts): P03-P06



图示方向 (L) L-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock	Order Number	Price (RMB)
	g1	h=h1	b	L1	L2	f						
KTTXSR/L 1010H16	2	10	10	100	12	16	TTX32..	T15	M4.0×10	○ ●	232513	300
1212H16	0	12	12	100	16	20				○ ●	232514	300
1616H16	0	16	16	100	20	24				○ ●	232515	300
2020K16	0	20	20	125	25	30				○ ●	232516	350
2525M16	0	25	25	150	32	35				○ ○	232517	400

MY-V型

Fig.1

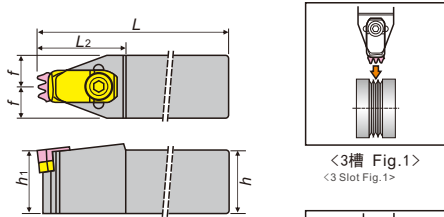


Fig.2

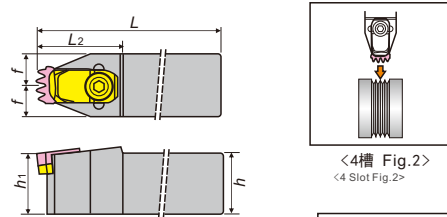


Fig.3

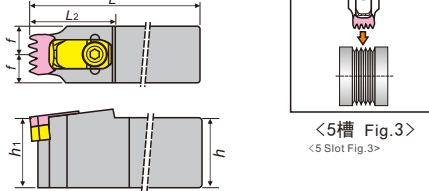
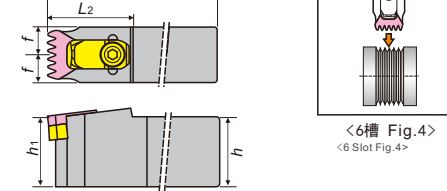


Fig.4



刀杆尺寸 Cutter bar size

刀杆形状 Cutter bar shape	刀杆型号 Cutter bar model	尺寸 (mm) Dimensions (mm)						刀片 Razor Insert	垫片 Pad	金属压片 Metal lamination	导屑器 Chip guide	扳手 Spanner	垫片螺纹 Gasket threads	库存 Stock	编码 Encoded
		h	h1	b	L	f	L2								
Fig.1	MY-V M-K3-C	25	25	25	150	12.5	25	3槽	DP-K3	YP-17	DXQ-9	L4	DPLS-K	●	
	P-K3-C	32	25	25	170	12.5	32								
Fig.2	MY-V M-K4-C	25	25	25	150	12.5	25	4槽	DP-K4	YP-17	DXQ-9	L4	DPLS-K	●	
	P-K4-C	32	25	25	170	12.5	32								
Fig.3	MY-V P-K5-C	32	25	25	170	12.0	32	5槽	DP-K5					●	
Fig.4	MY-V P-K6-C	32	25	25	170	12.0	32	6槽	DP-K6					●	

适用刀片 Suitable Insert

刀型形状 Knife shape	刀尖形状 Insert shape	刀片型式 Insert type	尺寸 (mm) Dimensions (mm)			陶瓷 pottery and porcelain HW2
			A	R1	R2	
3槽		M33 K305 ENB	3.35	0.3	0.5	●
		M33 K30504 ENB	3.16	0.4	0.5	●
4槽		M43 K405 ENB	3.35	0.3	0.5	●
		M43 K40504 ENB	3.16	0.4	0.5	●
5槽		M53 K505 ENB	3.35	0.3	0.5	●
		M53 K50504 ENB	3.16	0.4	0.5	●
6槽		M53 K605 ENB	3.35	0.3	0.5	●
		M53 K60504 ENB	3.16	0.4	0.5	●

推荐切削条件 Recommended cutting conditions

刀片材质 Insert material	被切削材料 Material to be cut	切削速度 Cutting speed (m/min)	进给量 Load (mm/rev)	切削油 Cutting oil
A2	普通铸铁	450 (300~600)	0.08 (0.05~0.12)	D



车削刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
成型

焊接
车刀
夹头

外圆
车削

内圆
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

切断加工用刀杆(对应高压内冷) Cutting tool bar for machining (corresponding to high-pressure internal cooling)

内冷刀杆用配管卖件

Selling parts for internal cooling tool holder piping

使用冷却液(内冷)时,需另行采购配管零件。

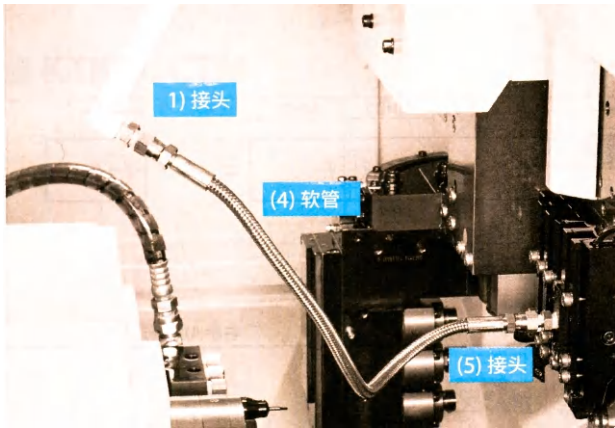
泵压可对应至~20MPa。即使使用耦合器,泵压可对应至~7.5MPa

When using coolant (internal cooling), additional piping parts need to be purchased.

The pump pressure can correspond to~20MPa. Even with the use of a coupler, the pump pressure can correspond to~7.5MPa

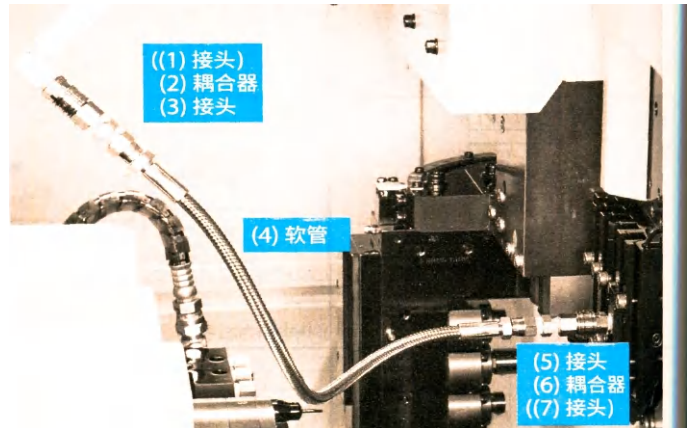
无耦合器(泵压:~20MPa)

Without coupling (pump pressure:~20MPa)



无耦合器(泵压:~7.5MPa)

Without coupling (pump pressure:~7.5MPa)



组合零件型号(例)

Combination part model (example)

零件parts	型号 Model number
(1)接头 (1) Joint	J-ST-R1/8-G1/8
(4)软管 (4) Hoses	HS-G1/8-G1/8-500
(5)接头 (5) Joint	J-ST-R1/8-G1/8

请将设备侧的螺纹规格(Rc1/4, Rc1/8, NPT1/8等)转换成软管侧的螺纹规格(G1/8)来使用。配管零件安装时,请使用密封带等的密封材。

Please convert the thread specifications (Rc1/4, Rc1/8, NPT1/8, etc.) on the equipment side to the thread specifications (G1/8) on the hose side for use. When installing piping components, please use sealing materials such as sealing tapes.

组合零件型号(例)

Combination part model (example)

零件parts	型号 Model number
(1)接头 (1) Joint	-
(2)耦合器 (2) Coupler	CP-ST-R1/8, P-ST-RC1/8
(3)接头 (3) Joint	J-ST-R1/8-G1/8
(4)软管 (4) Hoses	HS-G1/8-G1/8-500
(5)接头 (5) Joint	J-ST-R1/8-G1/8
(6)耦合器 (6) Coupler	P-ST-RC1/8, CP-ST-R1/8
(7)接头 (7) Joint	-

请将设备侧的螺纹规格(Rc1/4, Rc1/8, NPT1/8等)转换成耦合器(Rc1/8等)、软管(G1/8)的螺纹规格来使用。

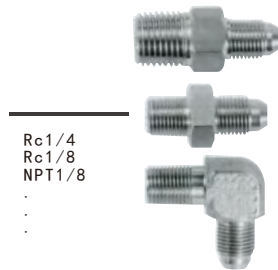
Please convert the thread specifications (Rc1/4, Rc1/8, NPT1/8, etc.) on the equipment side to the thread specifications of coupler (Rc1/8, etc.) and hose (G1/8) for use.

配管零件安装时,请使用密封带等的密封材。

When installing piping components, please use sealing materials such as sealing tapes.

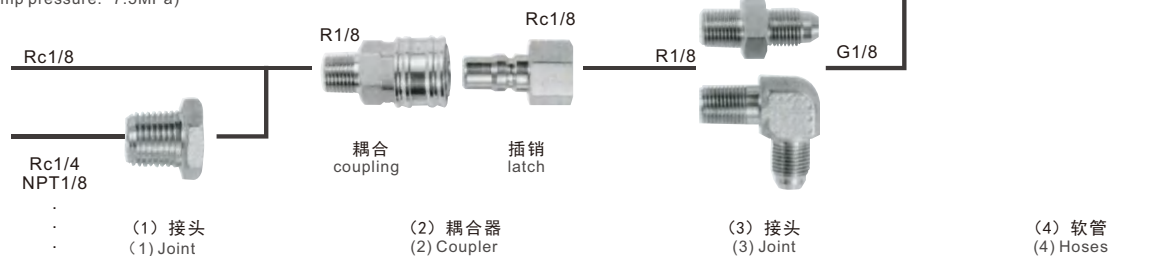
无耦合器(泵压:~20MPa)

Without coupling (pump pressure:~20MPa)



有耦合器(泵压:~7.5MPa)

Coupler (pump pressure:~7.5MPa)



车削
刀柄

CSV
凸轮
车削
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
成型

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

接头 [(1)(3)(5)(7)]

Connector [(1)(3)(5)(7)]

耐压~20.0MPa
Withstand pressure~2.0MPa

耐压~7.5MPa
Withstand pressure~7.5MPa

外观 appearance	型号 Model number	螺纹规格 Thread specification	库存 inventory
	J-ST-R1/4-G1/8	R1/4 ↔ G1/8	●
	J-ST-NPT1/8-G1/8	NPT1/8 ↔ G1/8	●
	J-ST-R1/8-G1/8	R1/8 G1/8	●
	J-AN-R1/8-G1/8		●
	J-ST-R1/4-RC1/8	EPT1/8 ↔ 1/4RC1/8	●
	J-ST-NPT1/8-RC1/8	NPT1/8 ↔ RC1/8	●
	J-ST-R1/8-RC1/8	RC1/8 ↔ R1/8 (延长接头)(Extension joint)	●

外观 appearance	型号 Model number	螺纹规格 Thread specification	库存 inventory
	CP-ST-R1/8	R1/8	●
	P-ST-RC1/8	RC1/8	●

软管 (4) Hoses (4)

耐压~20.0MPa
Withstand pressure~2.0MPa

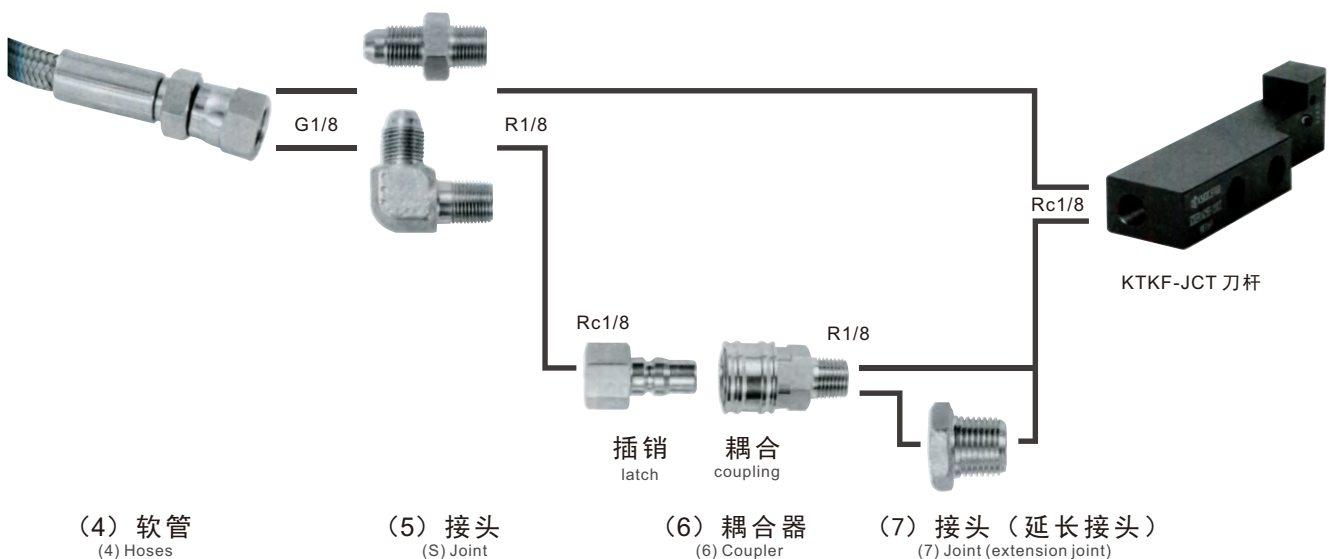
外观 appearance	型号 Model number	螺纹规格 Thread specification	库存 inventory
	HS-G1/8-G1/8-200	G1/8	●
	HS-G1/8-G1/8-300		●
	HS-G1/8-G1/8-400		●
	HS-G1/8-G1/8-500		●
	HS-G1/8-G1/8-600		●
	HS-G1/8-G1/8-800		●

注意事项

- 请在机床的门完全关闭的状态下使用本产品。
- 配管零件的外螺纹处请务必使用螺纹用密封材并正确连接。
此外,如果有不使用的冷却孔,请使用螺纹用密封材对附属零件的插销(埋栓)处理后将其堵住。
- 使用冷却软管时请充分固定。
- 即使使用铜垫圈也会发生一定程度的泄漏,但是不会对性能产生影响。
- 如果螺纹规格相同,则可以与通用配管零件连接。请确认耐压信息后再使用。
- 推荐定期更换冷却装置的过滤器。

matters needing attention

- Please use this product with the door of the machine completely closed.
- Please make sure to use thread sealing material at the external thread of the piping parts and connect them correctly. In addition, if there are cooling holes that are not in use, please use thread sealing material to treat the pins (embedded bolts) of the accessory parts and block them.
- Please fully secure the cooling hose when using it. Even if copper washers are used, there may be a certain degree of leakage, but it will not affect performance.
- If the thread specification is the same, it can be connected with the general piping parts. Please confirm the withstand voltage information before use.
- It is recommended to regularly replace the filter of the cooling device.



车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
成型

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

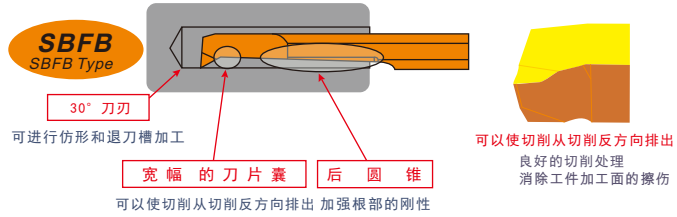
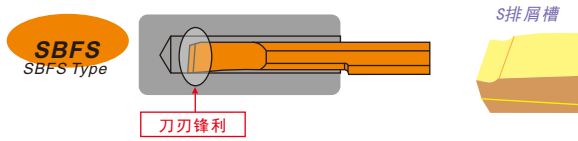
切槽
切断

端面
切槽

阻尼
模组

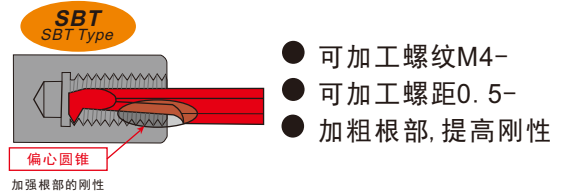
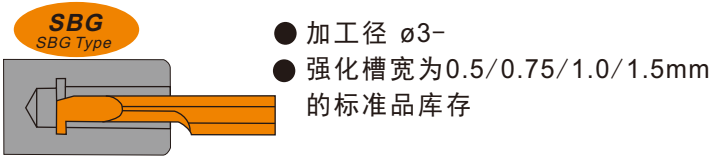
镗孔
Boring Tools

- 加工直径 $\phi 2.2$ -
- 强化了“SBFS型”和“SBFB型”两种产品的标准品库存
- 刀角R有R0.05和R0.15

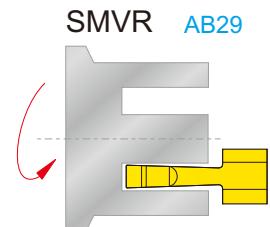
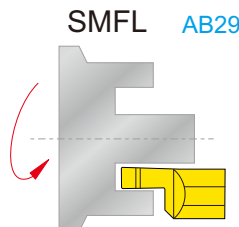
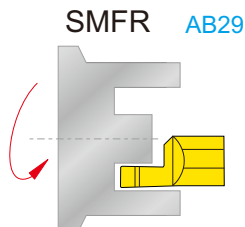
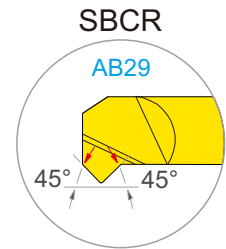
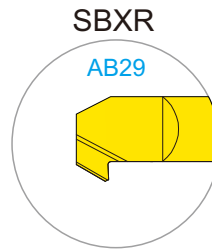
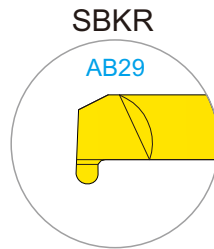
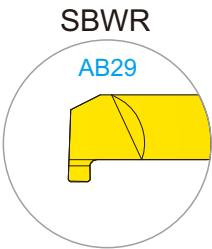
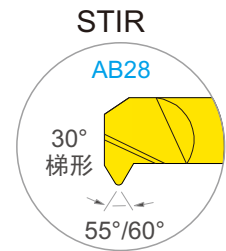
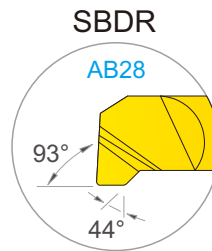
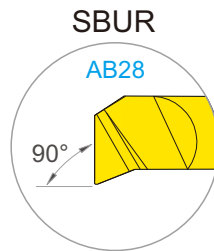
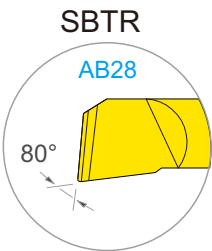
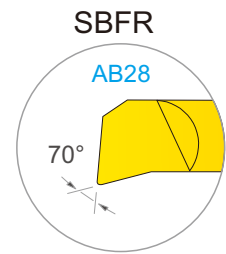
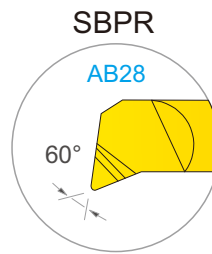
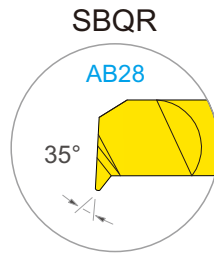


槽刀
Groove Machining

螺纹切削
Thread Cutting

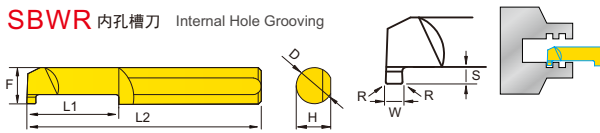


整体合金小径刀具
Alloy Small Boring Tool



车削刀柄
CSV 凸轮车削刀具
DS 刀柄
正面排刀
Y轴刀柄
前车削
后车削
小径切槽切断螺纹
小孔加工
滚花成型
焊接车刀夹头
外圆车削
内孔车削
螺纹车削
切槽切断
端面切槽
阻尼模组

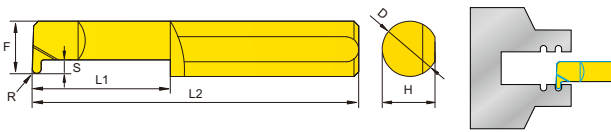
SBWR 内孔槽刀 Internal Hole Grooving



单位 (Unit): mm

规格型号 Model	W	S	L1	R	F	D	L2	H	库存 Stock	加工直径 Processing Diameter	订购编码 Order No.	价格 (RMB)
SBWR05100R005-D4	0.5	1.0	10	0.05	3.8	D4	50	3.7	○	4mm	207241	85
SBWR08100R005-D4	0.8	1.0	10	0.05	3.8	D4	50	3.7	○	4mm	207242	85
SBWR10100R005-D4	1.0	1.5	10	0.05	3.8	D4	50	3.7	○	4mm	207243	85
SBWR15100R005-D4	1.5	1.5	10	0.05	3.8	D4	50	3.7	○	4mm	207244	85
SBWR10100R010-D5	1.0	1.5	10	0.1	4.8	D5	50	4.7	○	5mm	207245	130
SBWR12100R010-D5	1.2	1.5	10	0.1	4.8	D5	50	4.7	○	5mm	207246	130
SBWR15100R010-D5	1.5	2.0	10	0.1	4.8	D5	50	4.7	○	5mm	207247	130
SBWR20100R010-D5	2.0	2.0	10	0.1	4.8	D5	50	4.7	○	5mm	207248	130
SBWR10120R015-D6	1.0	2.0	12	0.15	5.8	D6	50	5.7	○	6mm	207249	130
SBWR15120R015-D6	1.5	2.0	12	0.15	5.8	D6	50	5.7	○	6mm	207250	130
SBWR20120R015-D6	2.0	2.0	12	0.15	5.8	D6	50	5.7	○	6mm	207251	130
SBWR25160R015-D6	2.5	2.5	16	0.15	5.8	D6	50	5.7	○	6mm	207252	130
SBWR15160R015-D8	1.5	2.0	16	0.15	7.8	D8	50	7.7	○	8mm	207253	210
SBWR20160R015-D8	2.0	3.0	16	0.15	7.8	D8	50	7.7	○	8mm	207254	210
SBWR25160R015-D8	2.5	3.0	16	0.15	7.8	D8	50	7.7	○	8mm	207255	210

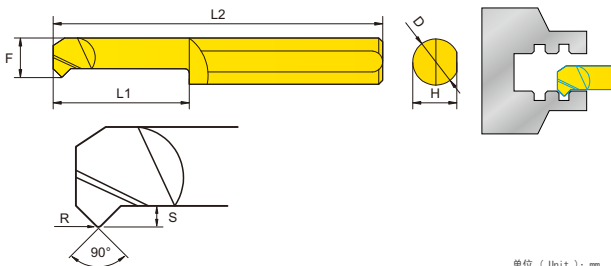
SBKR 内孔圆槽刀 Inner Hole Round-Head Grooving



单位 (Unit): mm

规格型号 Model	F	S	L1	R	D	L2	H	库存 Stock	加工直径 Processing Diameter	订购编码 Order No.	价格 (RMB)
SBKR40100R050-D4	3.8	1.0	10	0.5	D4	50	3.7	○	4mm	207261	130
SBKR40100R075-D4	3.8	1.0	10	0.75	D4	50	3.7	○	4mm	207262	130
SBKR80150R050-D6	5.8	1.5	15	0.5	D6	50	5.7	○	6mm	207263	150
SBKR80150R075-D6	5.8	1.5	15	0.75	D6	50	5.7	○	6mm	207264	150
SBKR80150R100-D6	5.8	1.5	15	1.0	D6	50	5.7	○	6mm	207265	150

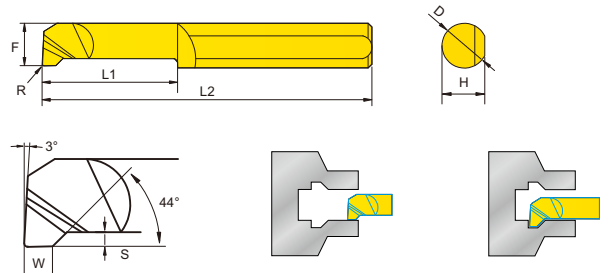
SBCR 内孔镗及倒角-刀尖 90° Boring + Chamfering 45°



单位 (Unit): mm

规格型号 Model	F	L1	S	R	D	L2	H	库存 Stock	订购编码 Order No.	价格 (RMB)
SBCR30100R020-D4	2.8	10	0.5	0.2	D4	50	3.7	○	207321	130
SBCR40150R020-D4	3.7	15	0.8	0.2	D4	50	3.7	○	207322	130
SBCR50150R020-D5	4.7	15	1.2	0.2	D5	50	4.7	○	207323	150
SBCR60150R020-D6	5.7	15	1.5	0.2	D6	50	5.7	○	207324	150

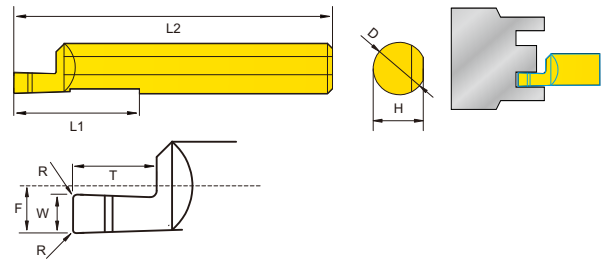
SBDR 内孔镗+倒角+切槽 Boring + Chamfering + Grooving



单位 (Unit): mm

规格型号 Model	F	L1	S	R	D	L2	H	W	库存 Stock	加工直径 Processing Diameter	订购编码 Order No.	价格 (RMB)
SBDR40100R020-D4	3.8	10.0	0.8	0.2	D4	50	3.7	1.5	○	4mm	207331	130
SBDR50150R020-D5	4.8	15.0	1.2	0.2	D5	50	4.7	1.5	○	5mm	207332	150
SBDR60150R020-D6	5.8	15.0	1.4	0.2	D6	50	5.7	1.5	○	6mm	207333	150

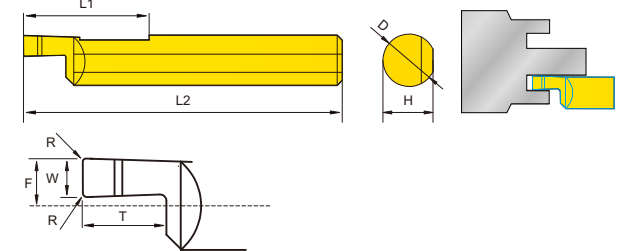
SMFR 右端面槽刀 Right End Face Grooving



单位 (Unit): mm

规格型号 Model	F	L1	T	W	R	D	L2	H	库存 Stock	加工直径 Processing Diameter	订购编码 Order No.	价格 (RMB)
SMFR60150W0.75-D6	2.95	15	1.5	0.75	0.1	D6	50	5.7	○	8.0	207271	200
SMFR60150W1.0-D6	2.95	15	2.0	1.0	0.1	D6	50	5.7	○	8.0	207272	200
SMFR80200W2.0-D8	3.95	20	4.0	2.0	0.2	D8	50	7.7	○	10.0	207273	300
SMFR80200W2.5-D8	3.95	20	5.0	2.5	0.2	D8	50	7.7	○	10.0	207274	300
SMFR80200W3.0-D8	3.95	20	6.0	3.0	0.2	D8	50	7.7	○	10.0	207275	300

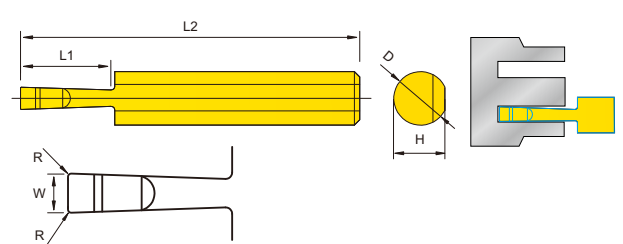
SMFL 左端面槽刀 Left End Face Grooving



单位 (Unit): mm

规格型号 Model	F	L1	T	W	R	D	L2	H	库存 Stock	加工直径 Processing Diameter	订购编码 Order No.	价格 (RMB)
SMFL60150W0.75-D6	2.95	15	1.5	0.75	0.1	D6	50	5.7	○	8.0	207281	200
SMFL60150W1.0-D6	2.95	15	2.0	1.0	0.1	D6	50	5.7	○	8.0	207282	200
SMFL80200W2.0-D8	3.95	20	4.0	2.0	0.2	D8	50	7.7	○	8.0	207283	300
SMFL80200W2.5-D8	3.95	20	5.0	2.5	0.2	D8	50	7.7	○	10.0	207284	300
SMFL80200W3.0-D8	3.95	20	6.0	3.0	0.2	D8	50	7.7	○	10.0	207285	300

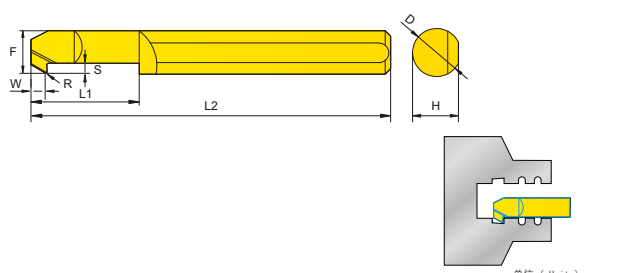
SMVR 深端面槽刀 Deepen End Face Grooving



单位 (Unit): mm

规格型号 Model	L1	W	R	D	L2	H	库存 Stock	加工直径 Processing Diameter	订购编码 Order No.	价格 (RMB)
SMVR10150W3.0-D10	15	2.0	0.2	D10	50	9	○	15	207291	500
SMVR10150W3.0-D10	15	3.0	0.2	D10	50	9	○	15	207292	500
SMVR10150W4.0-D10	15	4.0	0.2	D10	50	9	○	15	207293	500

SBXR 内孔勾刀 Back Boring Cutter



单位 (Unit): mm

规格型号 Model	F	W	S	L1	R	D	L2	H	库存 Stock	加工直径 Processing Diameter	订购编码 Order No.	价格 (RMB)
SBXR40100R010-D4	3.8	1.5	1.0	10	0.1	D4	50	3.7	○	4mm	207335	130
SBXR50150R015-D5	4.8	2.0	1.5	15	0.15	D5	50	4.7	○	5mm	207336	150
SBXR60200R020-D6	5.8	2.0	2.0	20	0.2	D6	50	5.7	○	6mm	207337	150

车削刀柄

CSV 凸轮车削刀具

DS 刀柄

正面排刀

Y轴刀柄

前车削

后车削

小径切槽切断螺纹

小孔加工

滚花成型

焊接车刀夹头

外圆车削

内孔车削

螺纹车削

切槽切断

端面切槽

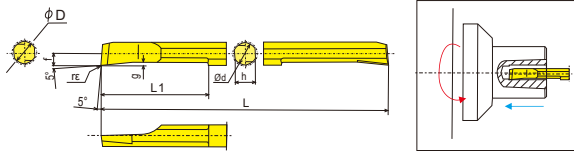
阻尼模组

小孔加工用

Small Hole Processing

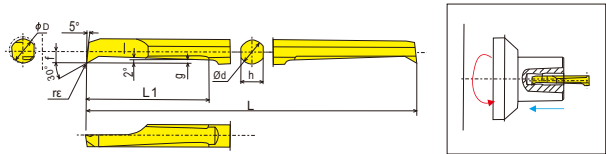
前车削 | 后车削 | 螺纹车削 | 切槽
Before turning | after turning | thread turning | cutting groove

SBFS型 SBFS Type



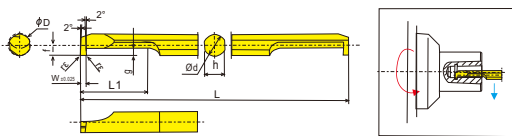
规格型号 Ordering code	加工直径 (mm) φD	φd	L	L1	f	h	g	r	Stock	订购 编码 Order Number	价格 Price (RMB)
SBFS 020R005S	2.2	2	50	10	0.9	1.8	0.25	0.05	○	207100	360
030R005S	3.2	3	50	15	1.4	2.7	0.40	0.05	○	207102	360
030R015S	3.2	3	50	15	1.4	2.7	0.40	0.15	○	207104	360
040R005S	4.2	4	60	20	1.9	3.6	0.45	0.05	○	207106	360
040R015S	4.2	4	60	20	1.9	3.6	0.45	0.15	○	207108	360
050R005S	5.2	5	70	25	2.4	4.5	0.50	0.05	○	207110	360
050R015S	5.2	5	70	25	2.4	4.5	0.50	0.15	○	207112	360

SBFB型 SBFB Type



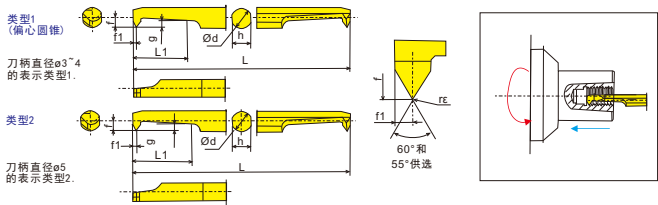
规格型号 Ordering code	加工直径 (mm) φD	φd	L	L1	f	h	g	r	Stock	订购 编码 Order Number	价格 Price (RMB)
SBFB 020R005F	2.2	2	50	10	0.9	1.8	0.25	0.05	○	207300	410
030R005F	3.2	3	50	15	1.4	2.7	0.40	0.05	○	207302	410
030R015F	3.2	3	50	15	1.4	2.7	0.40	0.15	○	207304	410
040R005F	4.2	4	60	20	1.9	3.6	0.45	0.05	○	207306	410
040R015F	4.2	4	60	20	1.9	3.6	0.45	0.15	○	207308	410
050R005F	5.2	5	70	25	2.4	4.5	0.50	0.05	○	207310	410
050R015F	5.2	5	70	25	2.4	4.5	0.50	0.15	○	207312	410

SBG型 SBG Type



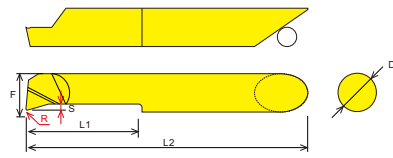
规格型号 Ordering code	加工直径 (mm) φD	W	φd	L1	g	L	f	h	r	Stock	订购 编码 Order Number	价格 Price (RMB)
SBG 030050RB	3	0.50	3	9	0.8	50	1.3	2.7	0.05	○	207200	500
030075RB	3	0.75	3	9	0.8	50	1.3	2.7	0.05	○	207202	500
030100RB	3	1.00	3	9	0.8	50	1.3	2.7	0.05	○	207204	500
040050RB	4	0.50	4	12	1.0	60	1.8	3.6	0.05	○	207206	500
040075RB	4	0.75	4	12	1.0	60	1.8	3.6	0.05	○	207208	500
040100RB	4	1.00	4	12	1.0	60	1.8	3.6	0.05	○	207210	500
050050RB	5	0.50	5	20	1.2	70	2.3	4.5	0.05	○	207212	500
050100RB	5	1.00	5	20	1.2	70	2.3	4.5	0.05	○	207214	500
050150RB	5	1.50	5	20	1.2	70	2.3	4.5	0.05	○	207216	500

SBT型 SBT Type



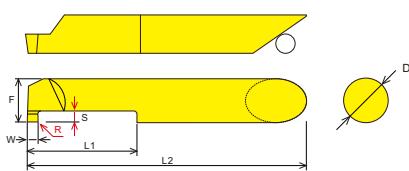
规格型号 Ordering code	加工直径 (mm) φD	φd	L1	g	L	f	h	r	可加工范围 螺纹规格 螺距 螺距公差	推荐选定的螺距 螺距公差	订购 编码 Order Number	价格 Price (RMB)
SBT 030M4RB	3.0	3.0	7.5	0.8	50	1.3	0.5	2.7	M4 以上 0.05 螺距 公差	M4.5 以上 0.05 螺距 公差	207400	500
035M5RB	3.5	3.5	8.5	1.0	60	1.55	0.55	3.2	M5 以上 0.05 螺距 公差	M5.5 以上 0.05 螺距 公差	207402	500
040M6RB	4.0	4.0	10.5	1.2	60	1.8	0.7	3.6	M6 以上 0.05 螺距 公差	M6.5 以上 0.05 螺距 公差	207404	500
050M8RB	5.0	5.0	15.8	1.5	70	2.3	0.8	4.5	M8 以上 0.05 螺距 公差	M8.5 以上 0.05 螺距 公差	207406	500

钨钢小径内孔镗刀 (后斜插式) Tungsten Steel Small Diameter Boring Tool (Back oblique insertion)



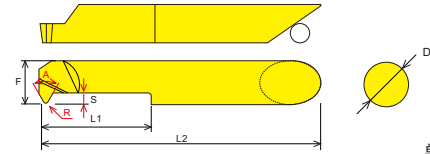
规格型号 Ordering code	小加工 直径 Minimum Machining Diameter	F	L1	S	R	H	L2	φD	订购 编码 Order Number	价格 Price (RMB)
XSBFR 20R005	2.0	1.7	7	0.25	0.05	32.5	4	4	207120	200
25R005	2.5	2.3	8	0.25	0.05	33.5	4	4	207121	200
30R008	3.0	2.75	12	0.4	0.08	37.5	4	4	207122	200
35R010	3.5	3.25	15	0.4	0.1	40	4	4	207123	200
40R010	4.0	3.8	15	0.6	0.1	39.5	4	4	207124	200
50R015	5.0	4.7	25	0.75	0.15	51	5	5	207125	300
60R015	6.0	5.7	30	0.75	0.15	56.5	6	6	207126	300
70R015	7.0	6.7	35	0.8	0.15	60	7	7	207127	400

钨钢小径内孔切槽刀 (后斜插式) Tungsten Steel Small Bore Grooving Cutter (Back oblique insertion)



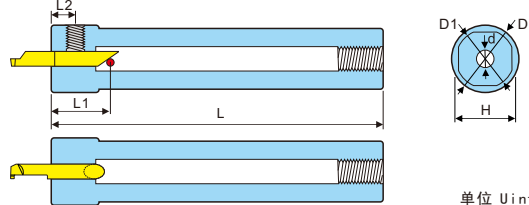
规格型号 Ordering code	小加工 直径 Minimum Machining Diameter	F	L1	S	R	H	L2	φD	W	订购 编码 Order Number	价格 Price (RMB)
XSBWR 0512R005D4	4.0	3.8	12	1.0	0.05	37	4	0.5	207220	200	
1012R005D4	4.0	3.8	12	1.0	0.05	37	4	1.0	207221	200	
1512R005D4	4.0	3.8	12	1.0	0.05	37	4	1.5	207222	200	
1020R010D5	5.0	4.6	20	1.5	0.1	46	5	1.0	207223	300	
1520R010D5	5.0	4.6	20	1.5	0.1	46	5	1.5	207224	300	
2020R010D5	5.0	4.6	20	1.5	0.1	46	5	2.0	207225	300	
1020R015D6	6.0	5.7	20	2.0	0.15	46.5	6	1.0	207226	300	
1520R015D6	6.0	5.7	20	2.0	0.15	46.5	6	1.5	207227	300	
2020R015D6	6.0	5.7	20	2.0	0.15	46.5	6	2.0	207228	300	
1025R015D8	8.0	7.5	25	2.0	0.15	53.5	8	1.0	207229	400	
1525R015D8	8.0	7.5	25	2.0	0.15	53.5	8	1.5	207230	400	
2025R015D8	8.0	7.5	25	2.0	0.15	53.5	8	2.0	207231	400	
2525R015D8	8.0	7.5	25	3.0	0.15	53.5	8	2.5	207232	400	

钨钢小径内孔螺纹刀 (后斜插式) Tungsten Steel Small Bore Threading Tool (Back oblique insertion)



规格型号 Ordering code	小加工 直径 Minimum Machining Diameter	F	L1	S	R	H	L2	φD	A	订购 编码 Order Number	价格 Price (RMB)
XSTIR 3815-A60	M4	3.8	15	1.2	0.05	40	4	60°	207410	200	
4715-A60	M5	4.7	15	1.5	0.05	40	5	60°	207411	300	
5920-A60	M6	5.9	20	2.0	0.08	46.5	6	60°	207412	300	
3815-A55	M4	3.8	15	1.2	0.05	40	4	55°	207413	200	
4715-A55	M5	4.7	15	1.5	0.05	40	5	55°	207414	300	
5920-A55	M6	5.9	20	2.0	0.08	46.5	6	55°	207415	300	

斜插式定位刀套 Inclined Insertion Positioning Tool Sleeve



规格型号 Ordering code	内孔 直径 Bore Diameter	D	L1	L2	H	L	D1	订购 编码 Order Number	价格 Price (RMB)
XSBH 2004	4	22	20	8	19	100	20	708170	300
2005	5	22	20	8	19	100	20	708172	300
2006	6	22	20	8	19	100	20	708174	300
2007	7	22	20	8	19	100	20	708176	300
2008	8	22	20	8	19	100	20	708178	300

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
成型

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

车削刀柄

CSV
凸轮机床刀具

DS
刀柄

正面排刀

Y轴刀柄

前车削

后车削

小径切槽切断螺纹

小孔加工

滚花成型

焊接车刀夹头

外圆车削

内孔车削

螺纹车削

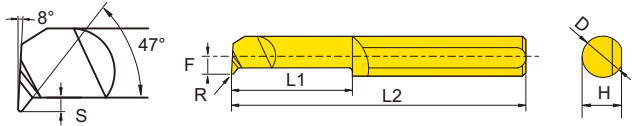
切槽切断

端面切槽

端面切槽

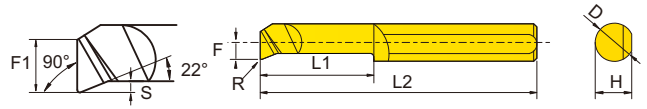
阻尼模组

MQR 内孔仿形镗刀-刀尖 35° Cutting Edge Angle 35°



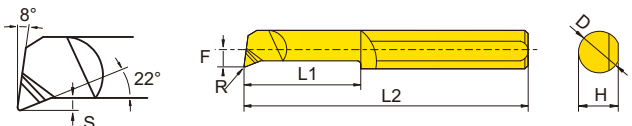
规格型号 Model	F	L1	R	D	L2	H	加工直径 Processing Diameter	价格 (RMB)
MQR 4R0.2 L10-D4	1.8	10	0.2	D4	51	3.7	4.1mm	
4R0.2 L15-D4	1.8	15	0.2	D4	51	3.7	4.1mm	
4R0.2 L22-D4	1.8	22	0.2	D4	51	3.7	4.1mm	
MQR 5R0.2 L15-D5	2.3	15	0.2	D5	51	4.7	5.1mm	
5R0.2 L22-D5	2.3	22	0.2	D5	51	4.7	5.1mm	
MQR 6R0.2 L15-D6	2.8	15	0.2	D6	51	5.7	6.1mm	
6R0.2 L22-D6	2.8	22	0.2	D6	51	5.7	6.1mm	
6R0.2 L30-D6	2.8	30	0.2	D6	58	5.7	6.1mm	
MQR 8R0.2 L22-D8	3.8	22	0.2	D8	64	7.7	8.1mm	
8R0.2 L27-D8	3.8	27	0.2	D8	64	7.7	8.1mm	

MUR 内孔端面镗孔 End Face Machining



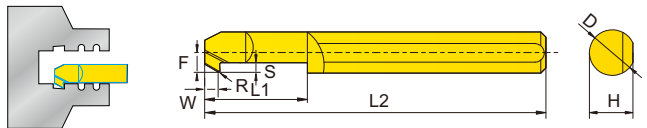
规格型号 Model	F	L1	R	D	L2	H	加工直径 Processing Diameter	价格 (RMB)
MUR 3R0.05 L10-D3	1.3	10	0.05	D3	39	2.7	3.1mm	
3R0.05 L15-D3	1.3	15	0.05	D3	39	2.7	3.1mm	
MUR 4R0.1 L10-D4	1.7	10	0.1	D4	51	3.7	4.1mm	
4R0.1 L15-D4	1.7	15	0.1	D4	51	3.7	4.1mm	
MUR 5R0.15 L15-D5	2.1	15	0.15	D5	51	4.7	5.1mm	
5R0.15 L22-D5	2.1	22	0.15	D5	51	4.7	5.1mm	
MUR 6R0.15 L15-D6	2.8	15	0.15	D6	51	5.7	6.1mm	
6R0.15 L22-D6	2.8	22	0.15	D6	51	5.7	6.1mm	
MUR 8R0.2 L22-D8	3.8	22	0.27	D8	64	7.7	8.1mm	

MPR 内孔镗刀-刀尖 60° Cutting Edge Angle 60°



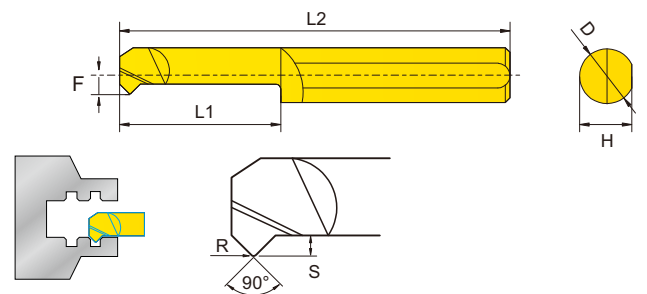
规格型号 Model	F	L1	R	D	L2	H	加工直径 Processing Diameter	价格 (RMB)
MPR 1R0.05 L 4-D3	0.5	4	0.05	D3	39	2.7	1.0mm	
MPR 1.5R0.1 L 6-D3	0.7	6	0.1	D3	39	2.7	1.5mm	
MPR 2R0.05 L10-D3	0.8	10	0.05	D3	39	2.7	2.1mm	
2R0.1 L10-D3	0.8	10	0.1	D3	39	2.7	2.1mm	
2R0.15 L 5-D3	0.8	5	0.15	D3	39	2.7	2.1mm	
2R0.15 L10-D3	0.8	10	0.15	D3	39	2.7	2.1mm	
MPR 3R0.05 L10-D3	1.3	10	0.05	D3	39	2.7	3.1mm	
3R0.05 L15-D3	1.3	15	0.05	D3	39	2.7	3.1mm	
3R0.1 L15-D3	1.3	15	0.1	D3	39	2.7	3.1mm	
3R0.1 L22-D3	1.3	22	0.1	D3	47	2.7	3.1mm	
3R0.2 L10-D3	1.3	10	0.2	D3	39	2.7	3.1mm	
3R0.2 L15-D3	1.3	15	0.2	D3	39	2.7	3.1mm	
3R0.2 L22-D3	1.3	22	0.2	D3	47	2.7	3.1mm	
MPR 4R0.1 L15-D4	1.7	15	0.1	D4	51	3.7	4.1mm	
4R0.1 L22-D4	1.7	22	0.1	D4	51	3.7	4.1mm	
4R0.2 L10-D4	1.7	10	0.2	D4	51	3.7	4.1mm	
4R0.2 L15-D4	1.7	15	0.2	D4	51	3.7	4.1mm	
4R0.2 L22-D4	1.7	22	0.2	D4	51	3.7	4.1mm	
MPR 5R0.1 L22-D5	2.1	22	0.1	D5	51	4.7	5.1mm	
5R0.1 L30-D5	2.1	30	0.1	D5	76	4.7	5.1mm	
5R0.2 L15-D5	2.1	15	0.2	D5	51	4.7	5.1mm	
5R0.2 L22-D5	2.1	22	0.2	D5	51	4.7	5.1mm	
5R0.2 L30-D5	2.1	30	0.2	D5	76	4.7	5.1mm	
MPR 6R0.2 L15-D6	2.8	15	0.2	D6	51	5.7	6.1mm	
6R0.2 L22-D6	2.8	22	0.2	D6	51	5.7	6.1mm	
6R0.2 L30-D6	2.8	30	0.2	D6	76	5.7	6.1mm	
MPR 7R0.2 L22-D7	3.3	22	0.2	D7	62	6.7	7.1mm	
7R0.2 L30-D7	3.3	30	0.2	D7	62	6.7	7.1mm	
MPR 8R0.2 L15-D8	3.8	15	0.2	D8	64	7.7	8.1mm	
8R0.2 L22-D8	3.8	22	0.2	D8	64	7.7	8.1mm	
8R0.2 L35-D8	3.8	35	0.2	D8	76	7.7	8.1mm	
MPR 10R0.2 L35-D10	4.8	35	0.2	D10	73	9.5	10.1mm	

MXR 内孔勾刀 Back Boring Cutter



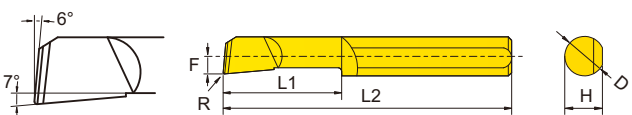
规格型号 Model	F	W	S	L1	R	D	L2	H	加工直径 Processing Diameter	价格 (RMB)
MXR 4R0.1 L10-D4	1.3	1.5	0.5	10	0.1	D4	51	3.7	4mm	
4R0.15 L10-D4	1.6	1.5	0.8	10	0.15	D4	51	3.7	4mm	
4R0.15 L15-D4	1.6	1.5	0.8	15	0.15	D4	51	3.7	4mm	
MXR 5R0.2 L15-D5	2.2	1.5	1.0	15	0.2	D5	51	4.7	5mm	
5R0.2 L22-D5	2.2	1.5	1.0	22	0.2	D5	51	4.7	5mm	
MXR 6R0.2 L15-D6	2.8	1.5	1.8	15	0.2	D6	51	5.7	6mm	
6R0.2 L22-D6	2.8	1.5	1.8	22	0.2	D6	51	5.7	6mm	

MCR 内孔镗及倒角-刀尖 90° Boring + Chamfering 45°



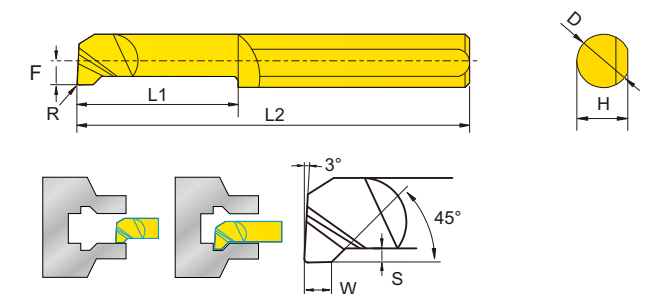
规格型号 Model	F	L1	S	R	D	L2	H	加工直径 Processing Diameter	价格 (RMB)
MCR 3R0.2L10-D3	1.3	10	0.7	0.2	D3	39	3.7	3.1mm	
MCR 4R0.2L15-D4	1.7	15	0.8	0.2	D4	51	3.7	4.1mm	
MCR 5R0.2L15-D5	2.1	15	1.2	0.2	D5	51	4.7	5.1mm	
MCR 6R0.2L15-D6	2.8	15	1.4	0.2	D6	51	5.7	6.1mm	

MTR 内孔镗刀-刀尖 77° Cutting Edge Angle 77°



规格型号 Model	F	L1	R	D	L2	H	加工直径 Processing Diameter	价格 (RMB)
MTR 1R0.05 L 4-D3	0.5	4	0.05	D3	39	2.7	1.0mm	
MTR 1.5R0.1 L 6-D3	0.7	6	0.1	D3	39	2.7	1.5mm	
MTR 2R0.05 L10-D3	0.8	10	0.05	D3	39	2.7	2.1mm	
2R0.15 L 5-D3	0.8	5	0.15	D3	39	2.7	2.1mm	
2R0.15 L10-D3	0.8	10	0.15	D3	39	2.7	2.1mm	
MTR 3R0.05 L10-D3	1.3	10	0.05	D3	39	2.7	3.1mm	
3R0.05 L15-D3	1.3	15	0.05	D3	39	2.7	3.1mm	
3R0.1 L15-D3	1.3	15	0.1	D3	39	2.7	3.1mm	
3R0.2 L10-D3	1.3	10	0.2	D3	39	2.7	3.1mm	
3R0.2 L15-D3	1.3	15	0.2	D3	39	2.7	3.1mm	
MTR 4R0.05 L15-D4	1.7	15	0.05	D4	51	3.7	4.1mm	
4R0.1 L10-D4	1.7	10	0.1	D4	51	3.7	4.1mm	
4R0.1 L15-D4	1.7	15	0.1	D4	51	3.7	4.1mm	
4R0.1 L22-D4	1.7	22	0.1	D4	51	3.7	4.1mm	
4R0.2 L10-D4	1.7	10	0.2	D4	51	3.7	4.1mm	
4R0.2 L15-D4	1.7	15	0.2	D4	51	3.7	4.1mm	
4R0.2 L22-D4	1.7	22	0.2	D4	51	3.7	4.1mm	
MTR 5R0.05 L15-D5	2.1	15	0.05	D5	51	4.7	5.1mm	
5R0.1 L15-D5	2.1	15	0.1	D5	51	4.7	5.1mm	
5R0.1 L22-D5	2.1	22	0.1	D5	51	4.7	5.1mm	
5R0.1 L30-D5	2.1	30	0.1	D5	76	4.7	5.1mm	
5R0.2 L15-D5	2.1	15	0.2	D5	51	4.7	5.1mm	
5R0.2 L22-D5	2.1	22	0.2	D5	51	4.7	5.1mm	
5R0.2 L30-D5	2.1	30	0.2	D5	76	4.7	5.1mm	
MTR 6R0.05 L15-D6	2.8	15	0.05	D6	51	5.7	6.1mm	
6R0.1 L15-D6	2.8	15	0.1	D6	51	5.7	6.1mm	
6R0.2 L15-D6	2.8	15	0.2	D6	51	5.7	6.1mm	
6R0.2 L22-D6	2.8	22	0.2	D6	51	5.7	6.1mm	
6R0.2 L30-D6	2.8	30	0.2	D6	58	5.7	6.1mm	
6R0.2 L35-D6	2.8	35	0.2	D6	76	5.7	6.1mm	
MTR 7R0.2 L22-D7	3.3	22	0.2	D7	62	6.7	7.1mm	
7R0.2 L30-D7	3.3	30	0.2	D7	62	6.7	7.1mm	
MTR 8R0.2 L15-D8	3.8	15	0.2	D8	64	7.7	8.1mm	
8R0.2 L22-D8	3.8	22	0.2	D8	64	7.7	8.1mm	
8R0.2 L35-D8	3.8	35	0.2	D8	76	7.7	8.1mm	
MTR 10R0.2 L35-D10	4.8	35	0.2	D10	73	9.5	10.1mm	

MDR 内孔镗+倒角+切槽 Boring + Chamfering + Grooving



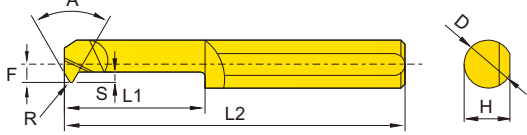
规格型号 Model	F	L1	S	R	D	L2	H	W	加工直径 Processing Diameter	价格 (RMB)
MDR 4R0.5L18-D4	1.8	18	0.8	0.5	D4	51	3.7	1.5	4.1mm	
MDR 5R0.5L24-D5	2.3	24	1.2	0.5	D5	51	4.7	1.5	5.1mm	
MDR 6R0.5L27-D6	2.8	27	1.4	0.5	D6	58	5.7	1.5	6.1mm	

小孔加工用 Small Hole Processing

前车削 | 后车削 | 螺纹车削 | 切槽

Before turning | after turning | thread turning | cutting groove

MIR 内孔牙刀 60°/55° Internal Hole Thread Processing



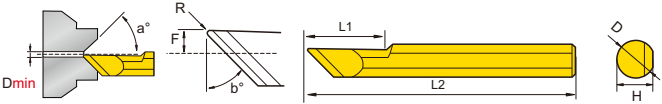
A=60°牙型公制/美制螺纹 60° Profile Angle Metric / American Thread

规格型号 Model	F	L1	L2	D	美制螺纹 American	公制 Metric	螺距 Pitch	加工直径 Processing Diameter	价格 (RMB)
MIR 1 L5 A60-D3	0.55	5	39	D3	100-72	M1.6	0.25	0.35	1.2mm
MIR 1.5 L6 A60-D3	0.65	6	39	D3	72-56	M2	0.35	0.45	1.4mm
MIR 2 L8 A60-D3	1.0	8	39	D3	56-32	M2.5	0.45	0.7	2.1mm
MIR 3 L15A60-D3	1.4	15	39	D3	32-24	M4	0.7	1.0	3.2mm
MIR 4 L15A60-D4	1.8	15	51	D4	32-24	M5/M6	0.8	1.0	4.1mm
MIR 5 L15A60-D5	2.3	15	51	D5	24-20	M8	1.0	1.25	5.1mm
5 L22A60-D5	2.3	22	51	D5	24-20	M8	1.0	1.25	5.1mm
MIR 6 L15A60-D6	2.6	15	51	D6	24-16	M10	1.0	1.5	6.0mm
6 L22A60-D6	2.6	22	51	D6	24-16	M10	1.0	1.5	6.0mm
MIR 8 L22A60-D8	3.6	22	64	D8	24-13	M12	1.0	2.0	8.0mm

A=55°牙型英寸制螺纹 55° Profile Angle Inch Thread

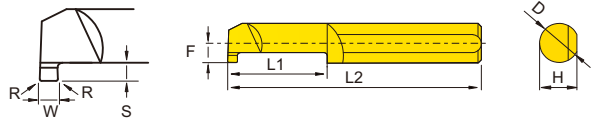
规格型号 Model	F	L1	L2	D	螺距 Pitch	加工直径 Processing Diameter	价格 (RMB)	
MIR 3L15A55-D3	1.4	15	39	D3	48-24	0.5	1.0	3.2mm
MIR 4L15A55-D4	1.8	15	51	D4	48-24	0.5	1.0	4.1mm
MIR 5L15A55-D5	2.3	15	51	D5	48-20	0.5	1.25	5.1mm
5L22A55-D5	2.3	22	51	D5	48-20	0.5	1.25	5.1mm
MIR 6L15A55-D6	2.6	15	51	D6	48-16	0.5	1.5	6.0mm
6L22A55-D6	2.6	22	51	D6	48-16	0.5	1.5	6.0mm

MWR 端面倒角及仿形加工 End Chamfer and Profiling



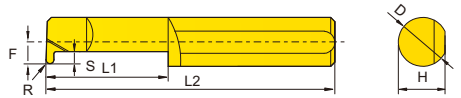
规格型号 Model	F	a°	b°	R	L1	L2	H	D	加工直径 Processing Diameter	价格 (RMB)
MWR 6R0.2 A90-D6	2.3	45°	45°	0.2	15	51	5.7	6.0	1.0mm	
MWR 6R0.2 A60-D6	2.3	60°	30°	0.2	15	51	5.7	6.0	1.0mm	

MGR 内孔槽刀 Internal Hole Grooving



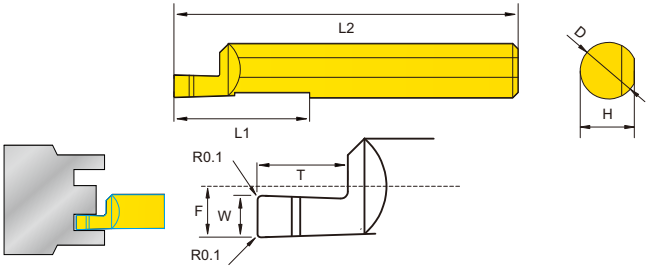
规格型号 Model	F	W	S	L1	L2	D	加工直径 Processing Diameter	价格 (RMB)
MGR 3B0.7L10-D3	1.3	0.7	0.6	10	39	D3	3.1mm	
MGR 4B1.0L10-D4	1.7	1.0	1.0	10	51	D4	4.1mm	
4B1.5L10-D4	1.7	1.5	1.0	10	51	D4	4.1mm	
MGR 5B1.0L15-D5	2.3	1.0	1.2	15	51	D5	5.1mm	
5B1.5L15-D5	2.3	1.5	1.2	15	51	D5	5.1mm	
5B2.0L15-D5	2.3	2.0	1.2	15	51	D5	5.1mm	
MGR 6B1.0L15-D6	2.8	1.0	1.4	15	51	D6	6.1mm	
6B1.5L15-D6	2.8	1.5	1.4	15	51	D6	6.1mm	
6B2.0L15-D6	2.8	2.0	1.4	15	51	D6	6.1mm	
MGR 8B1.0L22-D8	3.8	1.0	1.7	22	64	D8	8.1mm	
8B1.5L22-D8	3.8	1.5	1.7	22	64	D8	8.1mm	
8B2.0L22-D8	3.8	2.0	2.6	22	64	D8	8.1mm	

MKR 内孔圆槽刀 Inner Hole Round-Head Grooving



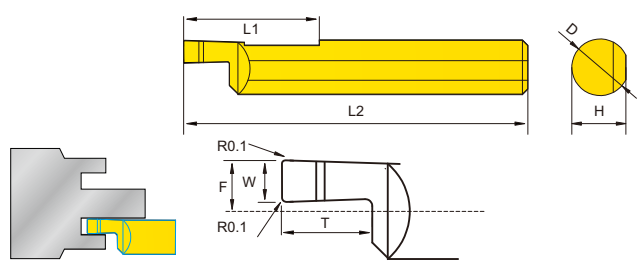
规格型号 Model	F	W	S	L1	L2	D	加工直径 Processing Diameter	价格 (RMB)
MKR 4R0.5 L10-D4	1.7	R0.5	1.0	10	51	D4	4.1mm	
4R0.75 L10-D4	1.7	R0.75	1.0	10	51	D4	4.1mm	
MKR 5R0.5 L15-D5	2.3	R0.5	1.2	15	51	D5	5.1mm	
5R0.75 L15-D5	2.3	R0.75	1.2	15	51	D5	5.1mm	
5R1.0 L15-D5	2.3	R1.0	1.2	15	51	D5	5.1mm	
MKR 6R0.5 L15-D6	2.8	R0.5	1.6	15	51	D6	6.1mm	
6R0.75 L15-D6	2.8	R0.75	1.6	15	51	D6	6.1mm	
6R1.0 L15-D6	2.8	R1.0	1.6	15	51	D6	6.1mm	

MFR 右端面槽刀 Right End Face Grooving



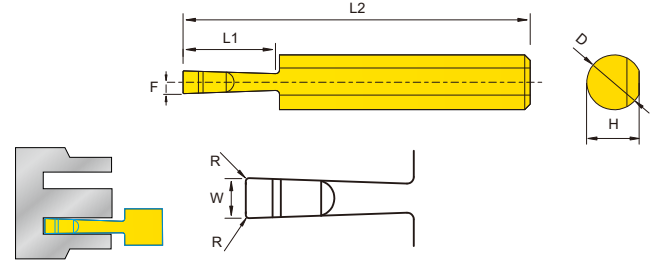
规格型号 Model	F	W	T	L1	L2	D	加工直径 Processing Diameter	价格 (RMB)
MFR 4B0.75 L15-D4	1.95	0.75	1.2	15	51	D4	5.0mm	
4B1.0 L15-D4	1.95	1.0	1.5	15	51	D4	5.0mm	
4B1.5 L15-D4	1.95	1.5	2.8	15	51	D4	5.0mm	
MFR 5B0.75 L22-D5	2.45	0.75	1.2	22	51	D5	6.0mm	
5B1.0 L22-D5	2.45	1.0	1.5	22	51	D5	6.0mm	
5B1.5 L22-D5	2.45	1.5	2.5	22	51	D5	6.0mm	
5B2.0 L22-D5	2.45	2.0	3.8	22	51	D5	6.0mm	
MFR 6B1.0 L22-D6	2.95	1.0	1.5	22	51	D6	8.0mm	
6B1.5 L22-D6	2.95	1.5	2.5	22	51	D6	8.0mm	
6B2.0 L22-D6	2.95	2.0	3.0	22	51	D6	8.0mm	
6B2.5 L22-D6	2.95	2.5	4.8	22	51	D6	8.0mm	
6B3.0 L30-D6	2.95	3.0	6.0	30	58	D6	8.0mm	
MFR 8B2.5 L22-D8	3.95	2.5	3.5	22	64	D8	10.0mm	

MFL 左端面槽刀 Left End Face Grooving



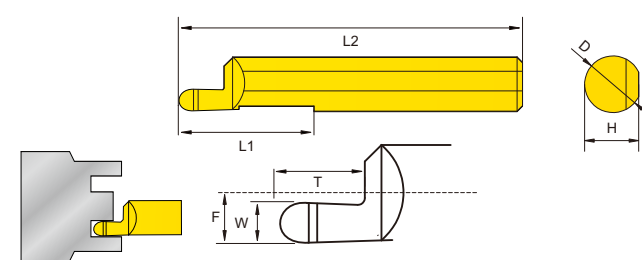
规格型号 Model	F	W	T	L1	L2	D	加工直径 Processing Diameter	价格 (RMB)
MFL 4B0.75 L15-D4	1.95	0.75	1.2	15	51	D4	5.0mm	
4B1.0 L15-D4	1.95	1.0	1.5	15	51	D4	5.0mm	
4B1.5 L15-D4	1.95	1.5	2.8	15	51	D4	5.0mm	
MFL 5B0.75 L22-D5	2.45	0.75	1.2	22	51	D5	6.0mm	
5B1.0 L22-D5	2.45	1.0	1.5	22	51	D5	6.0mm	
5B1.5 L22-D5	2.45	1.5	2.5	22	51	D5	6.0mm	
5B2.0 L22-D5	2.45	2.0	3.8	22	51	D5	6.0mm	
MFL 6B1.0 L22-D6	2.95	1.0	1.5	22	51	D6	8.0mm	
6B1.5 L22-D6	2.95	1.5	2.5	22	51	D6	8.0mm	
6B2.0 L22-D6	2.95	2.0	3.0	22	51	D6	8.0mm	
6B2.5 L22-D6	2.95	2.5	4.8	22	51	D6	8.0mm	
6B3.0 L30-D6	2.95	3.0	6.0	30	58	D6	8.0mm	
MFL 8B2.5 L22-D8	3.95	2.5	3.5	22	64	D8	10.0mm	

MVR 深端面槽刀 Deepen End Face Grooving



规格型号 Model	L1	W	R	D	L2	F	加工直径 Processing Diameter	价格 (RMB)
MVR 6B2.0 L15-D6	15	2.0	0.2	6.0	64	1.1	12.0mm	
6B2.0 L22-D6	22	2.0	0.2	6.0	64	1.1	12.0mm	
6B2.5 L22-D6	22	2.5	0.2	6.0	64	1.4	12.0mm	
8B3.0 L27-D8	27	3.0	0.2	8.0	64	1.6	15.0mm	
8B3.0 L43-D8	43	3.0	0.2	8.0	80	1.6	15.0mm	
8B3.0 L43-D8	43	3.0	0.2	8.0	80	2.1	20.0mm	

MZR 右端面圆头槽刀 Right End Face Round head Grooving



规格型号 Model	F	W	T	L1	L2	D	加工直径 Processing Diameter	价格 (RMB)
MZR 4R0.5 L15-D4	1.95	R0.5	1.2	15	51	D4	5.0mm	
4R0.75 L15-D4	1.95	R0.75	1.5	15	51	D4	5.0mm	
MZR 5R0.5 L22-D5	2.45	R0.5	1.2	22	51	D5	6.0mm	
5R0.75 L22-D5	2.45	R0.75	1.5	22	51	D5	6.0mm	
5R1.0 L22-D5	2.45	R1.0	2.0	22	51	D5	6.0mm	
MZR 6R0.5 L22-D6	2.95	R0.5	1.2	22	51	D6	8.0mm	
6R0.75 L22-D6	2.95	R0.75	1.5	22	51	D6	8.0mm	
6R1.0 L22-D6	2.95	R1.0	2.5	22	51	D6	8.0mm	

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
成型

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

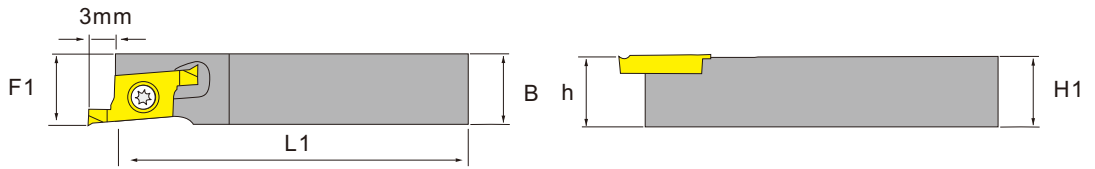
切槽
切断

端面
切槽

阻尼
模组

TWBR镗孔刀片 TWBR boring blade

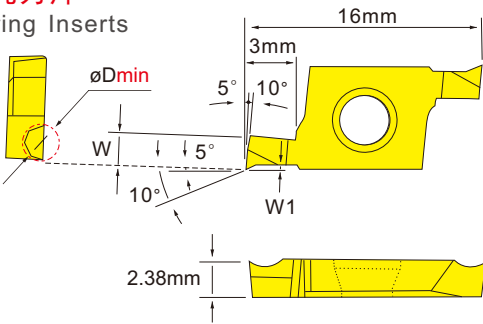
车削刀柄
Boring Toolholder



刀片 (Inserts): AB61 零配件 (Toolholder Parts): P03-P06

型号 Type	尺寸 Dimensions					Screw	Wrench	Insert	订购 编码 Order Number
	F1	B	L1	h	H1				
STWR1010K-15	10	10	125	10	10	M3.0x8	T8	TWBR..	
STWR1212K-15	12	12	125	12	12				
STWR1616K-15	16	16	125	16	16				
STWR2020K-15	20	20	125	20	20				

镗孔刀片 Boring Inserts



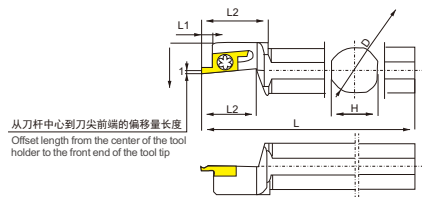
型号 Type	尺寸 Dimensions				ZK01	ZP150	ZP152
	øDmin	W	W1	R			
TWBR01003-005	1.0	0.85	0.2	0.05	○	○	●
TWBR01503-005	1.5	1.30	0.2	0.05	○	○	●
TWBR01503-010	1.5	1.30	0.2	0.10	○	○	●
TWBR02003-005	2.0	1.75	0.25	0.05	○	○	●
TWBR02003-010	2.0	1.75	0.25	0.10	○	○	●
TWBR02503-005	2.5	2.10	0.3	0.05	○	○	●
TWBR02503-010	2.5	2.10	0.3	0.10	○	○	●
TWBR03003-005	3.0	2.40	0.4	0.05	○	○	●
TWBR03003-010	3.0	2.40	0.4	0.10	○	○	●

S-STW (平装刀片用圆形刀杆)

S-STW (circular blade holder for flat blades)



●本图为右手(R)
This image is for the right hand (R)



右手(R)刀杆适用右手(R)刀片
Right hand (R) blade holder suitable for right hand (R) blades

(左手(L)刀杆适用左手(L)刀片。
The left-hand (L) blade holder is suitable for left-hand (L) blades.

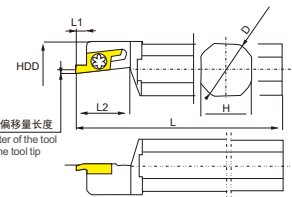


Fig.1

Fig.2

刀片 (Inserts): AB61 零配件 (Toolholder Parts): P03-P06

型号 model	尺寸 Dimensions							形状	零件 part		适用刀片 Applicable blade	编码 Encoded
	D	HDD	H	L	L2	L2	L1		紧固螺钉 Shape fastening screw	扳手 wrench		
S12F-STWR15	12	20	11	80	18	22	3	Fig.1	M3.0x8	T10	TWBR..	
S14H-STWR15	14		13	100								
S15.875F-STWR15	15.875		15	85								
S16F-STWR15	16	18.5	17	90	22	-	3	Fig.2	M3.0x8	T10	TWBR..	
S19.05G-STWR15	19.05		17	125								
S19.05K-STWR15	19.05		17	125								
S20G-STWR15	20	19.5	18	90	22	-	3	Fig.2	M3.0x8	T10	TWBR..	
S20K-STWR15	20	19.5	125									
S22K-STWR15	22	21.5	20	125								
S25J-STWR15	25	24.5	23	110	22	-	3	Fig.2	M3.0x8	T10	TWBR..	
S25.4K-STWR15	25.4	25	23	125								

小孔加工用

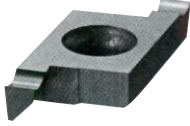
Small Hole Processing

前车削 | 后车削 | 螺纹车削 | 切槽

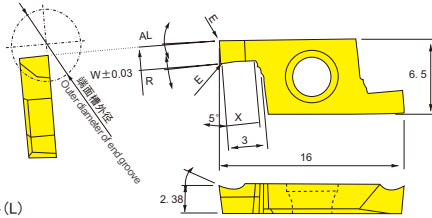
Before turning | after turning | thread turning | cutting groove

TFG (平装型)

TfG (paperback)



本图为左手 (L)
This picture is for the left hand (L)



型号 model	端面槽外径 Outer diameter of end groove		尺寸 size			角度 angle	材质 material quality		
	DAXN [MIN]	DAXX [MAX]	W	E	X		涂层 PVD	硬质合金 hard alloy	硬金属 hard metal
TFGTR050	6 (0)	∞ (∞)	0.5	0.05	1.0	1.5°	●	●	●
TFGTR080			0.8		1.5		●	●	●
TFGTR100			1.0		●		●	●	
TFGTR125			1.25	2.2	2°	●	●	●	
TFGTR150			1.5		●	●	●		
TFGTR180			1.8		●	●	●		
TFGTR200	2.0	●	●	●					

S-STFG (平装型刀片用圆刀杆)

S-STW (Round Tool Rod for Flat Mounted Blades)

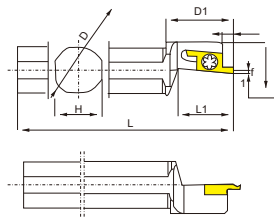
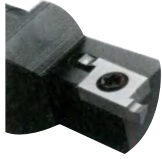


Fig.1

从刀杆中心到刀尖前端的偏移量长度
Offset length from the center of the tool holder to the front end of the tool tip

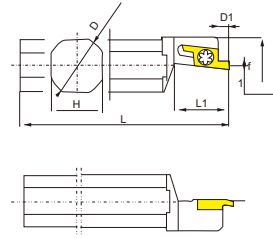


Fig.2

从刀杆中心到刀尖前端的偏移量长度
Offset length from the center of the tool holder to the front end of the tool tip

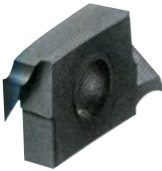
本图为左手 (L)
This picture is for the left hand (L)

刀片 (Inserts): AB62 零配件 (Toolholder Parts): P03-P06

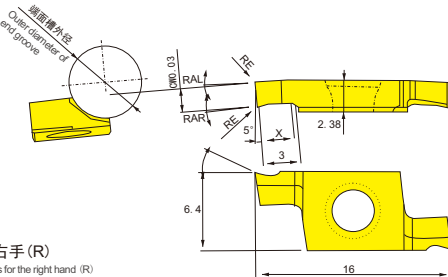
型号 model	尺寸 Dimensions							形状 shape	零件 part		库存 inventory	适用刀片 material quality	编码 Encoded	
	D	D1	H	L	L2	L2	L1		紧固螺钉 fastening screw	扳手 wrench				
S12F-STFGR15	12		11	80				Fig.1	M3.0x8	T-10	TFG...	●	●	●
S14H-STFGR15	14	20	13	100		22	3							
S15.875F-STFGR15	15.875		15	85	18									
S16F-STFGR15	16			90										
S19.05G-STFGR15	19.05	18.5	17	125										
S19.05K-STFGR15	19.05	18.5	17	125										
S20G-STFGR15	20		18	90			Fig.2	M3.0x8	T-10	TFG...	●	●	●	
S20K-STFGR15	20	19.5	18	125										3
S22K-STFGR15	22	21.5	20	125										
S25J-STFGR15	25	24.5	23	110	22									
S25.4K-STFGR15	25.4	25	23	125										

TFGV (立装型)

TFGT (vertical installation type)



本图为右手 (R)
This image is for the right hand (R)

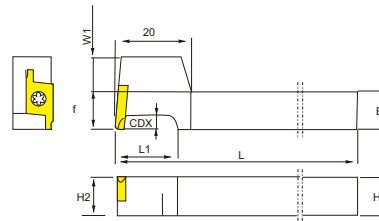


型号 model	端面槽外径 Outer diameter of end groove		尺寸 size			角度 angle	材质 material quality		
	DAXN [MIN]	DAXX [MAX]	CW	RE	X		涂层 PVD	硬质合金 hard alloy	硬金属 hard metal
TFGVTR050	6 (0)	∞ (∞)	0.5	0.05	1.0	1.5°	○	○	○
TFGVTR080			0.8		1.5		○	○	○
TFGVTR100			1.0		○		○	○	
TFGVTR125			1.25	2.2	2°	○	○	○	
TFGVTR150			1.5		○	○	○		
TFGVTR180			1.8		○	○	○		
TFGVTR200	2.0	○	○	○					

STWS-V (立装型刀片用方形刀杆: L型)

STWS-V (L-shaped square blade holder for vertical blade installation)

STWS-V (L-shaped square blade holder for vertical blade installation)



●本图为右手 (R)
This image is for the right hand (R)

刀片 (Inserts): AB62 零配件 (Toolholder Parts): P03-P06

型号 model	尺寸 Dimensions								零件 part		适用刀片 material quality	库存 inventory	编码 Encoded
	H	H2	B	L	L2	f	W1	L1	紧固螺钉 fastening screw	扳手 wrench			
STWSR1010JX-15V	10	10	10	120	16	10	9	3	M3.0x8	T10	TFGVTR...	○	○
STWSR1212JX-15V	12	12	12		12	7							
STWSR1616JX-15V	16	16	16	20	3								
STWSR1010F-15V	10	10	10	85	16	10	9						
STWSR1212F-15V	12	12	12	12	7								

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
成型

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

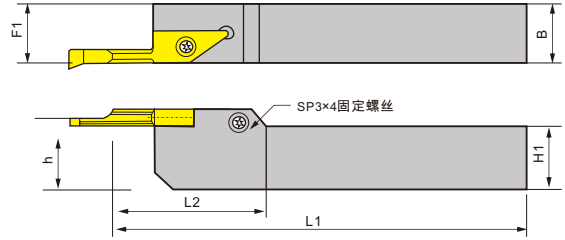
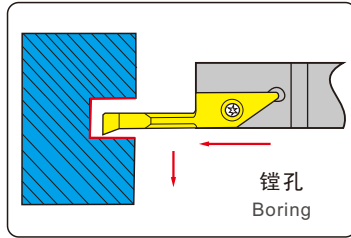
车削刀柄

SVNR镗孔刀杆

SVNR boring tool bar

车削刀柄

Boring Toolholder



图示方向 (R) R-Type



刀片 (Inserts): AB65-AB68
零配件 (Toolholder Parts): P03-P06

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	扳手 Wrench	螺丝 Screw	Stock	Order Number	Price (RMB)
	H1=h	B	L1	L2	T	F1							
SVNR 1010H12N	10	10	100	22			10	VNBR..	T10	M3x8	●	207500	200
1212K12N	12	12	125	22			12	VNBTR..			●	207502	200
1616K12N	16	16	125	22			16	VNGR..			●	207504	180
2020K12N	20	20	125	22			20	VNFGR..			●	207506	200
2525M12N	25	25	150	22			25	VNTR..			●	207508	260

前
车削

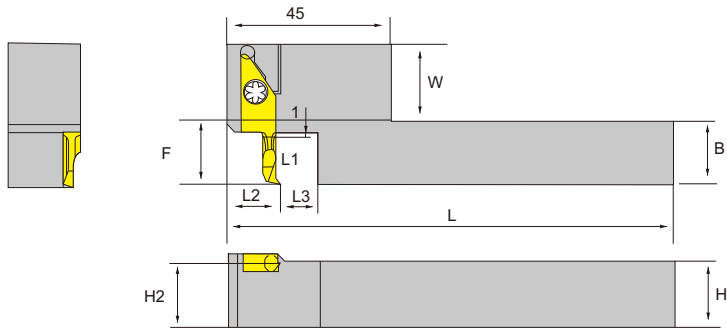
后
车削

小径
切槽
切断
螺纹

小孔
加工

SVNS-N (无侧固装置) 无紧固螺钉规格

SVNS-N (without side fixing device) without fastening screw specifications



刀片 (Inserts): AB65-AB68
零配件 (Toolholder Parts): P03-P06

滚花
成型

焊接
车刀
夹头

外圆
车削

内孔
车削

型号 Type	尺寸 Dimensions						Screw	Wrench	Insert	订购 编码 Order Number
	H=H2 =F=B	L1	L2	L	W	L3				
SVNSR1010K12-06N	10	10	12	125	19	6	M3.0x8	T8	VNBR.. VNGR.. VNTR..	
SVNSR1010K12-11N	10	10	12	125	23	11				
SVNSR1212M12-06N	12	12	12	150	17	6				
SVNSR1212M12-11N	12	12	12	150	21	11				
SVNSR1212M12-20N	12	12	13	150	30	20				
SVNSR1616M12-06N	16	16	12	150	13	6				
SVNSR1616M12-11N	16	16	12	150	17	11				
SVNSR1616M12-20N	16	16	13	150	26	20				

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

DS-SVNR镗孔刀杆

DS-SVNR boring tool bar

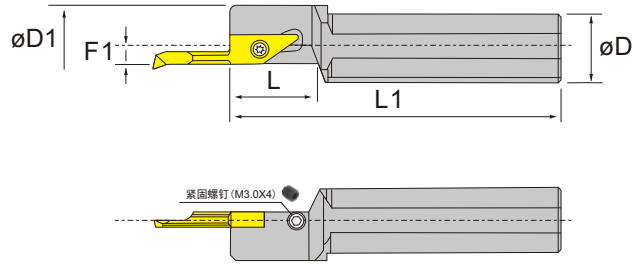
车削刀柄




Boring Toolholder



刀片 (Inserts): AB65-AB68

零配件 (Toolholder Parts): P03-P06



型号 Type	尺寸 Dimensions					Screw 	Wrench 	Insert 	订购 编码 Order Number
	F1	L	L1	øD	øD1				
DS-SVNR10F12N	5	23	80	10	20	M3.0x8	T8	VNBR.. VNGR.. VNTR..	
DS-SVNR12F12N	4	23	80	12	20				
DS-SVNR16H12N	6	23	100	16	24				
DS-SVNR19.05K12N	6	24	125	19.05	24				
DS-SVNR20K12N	6	24	125	20	24				
DS-SVNR22K12N	6	24	125	22	24				
DS-SVNR25M12N	6	24	150	25	30				
DS-SVNR25.4M12N	6	24	150	25.4	30				

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
成型

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

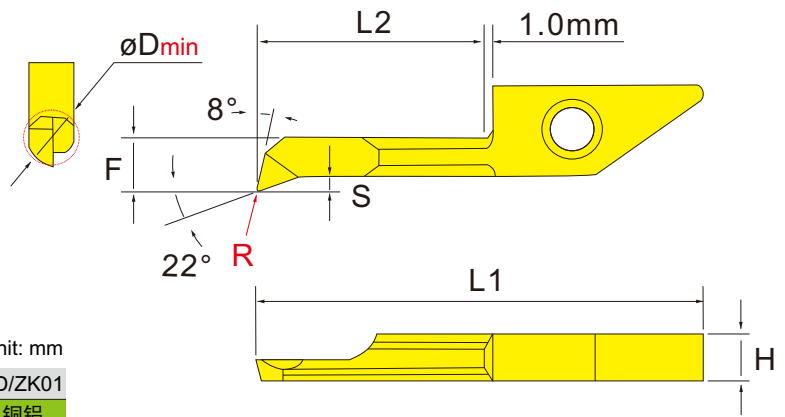
切槽
切断

端面
切槽

阻尼
模组

镗孔刀片

Boring Inserts



切削线速度 (Cutting Line Speed) : $\text{mm}/\text{min}^{-1}$ Unit: mm

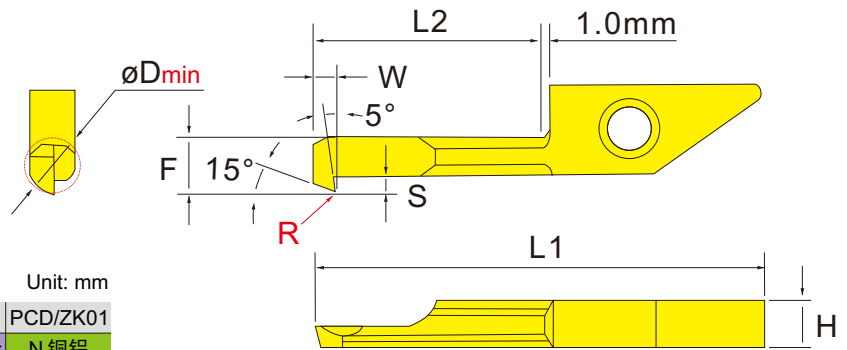
ZP150		ZP152		CBN	PCD/ZK01
P 钢件 P Steel parts	K 铸铁 K cast iron	M 不锈钢 M stainless steel	H 钛合金 H titanium alloy	S 硬质合金 S hard metal	N 铜铝 N Copper aluminum
15-150	15-150	15-130	15-60	15-60	20-600

每转进给量 (Feed Per Revolution) : 0.02-0.1 mm/rev

型号 Type	尺寸 Dimensions								Toolholder	CBN	PCD	ZK01	ZP150	ZP152
	ϕD_{min}	F	S	L2	L1	H	R							
VNBR010030-005S	1.0	0.85	0.2	3.0	26.5	3.9	0.05		SVNR.. S..SVNR..	○	○	●	●	●
VNBR015050-010S	1.5	1.3	0.2	5.0	26.5	3.9	0.1			○	○	●	●	●
VNBR020060-010S	2.0	1.8	0.25	6.0	26.5	3.9	0.1			○	○	●	●	●
VNBR025085-010S	2.5	2.3	0.4	8.5	28.1	3.9	0.1			○	○	●	●	●
VNBR030110-010S	3.0	2.6	0.4	11.0	30.8	3.9	0.1			○	○	●	●	●
VNBR030110-020S	3.0	2.6	0.4	11.0	30.8	3.9	0.2			○	○	●	●	●
VNBR035150-010S	3.5	3.0	0.5	15.0	34.8	3.9	0.1			○	○	●	●	●
VNBR040150-010S	4.0	3.5	0.5	15.0	34.8	3.9	0.1			○	○	●	●	●
VNBR040150-020S	4.0	3.5	0.5	15.0	34.8	3.9	0.2			○	○	●	●	●
VNBR050150-010S	5.0	4.5	0.7	15.0	34.8	3.9	0.1			○	○	●	●	●
VNBR050150-020S	5.0	4.5	0.7	15.0	34.8	3.9	0.2			○	○	●	●	●
VNBR060150-010S	6.0	5.3	1.0	15.0	34.8	3.9	0.1			○	○	●	●	●
VNBR060150-020S	6.0	5.3	1.0	15.0	34.8	3.9	0.2			○	○	●	●	●

镗孔刀片 (倒拉加工)

Back Boring Inserts



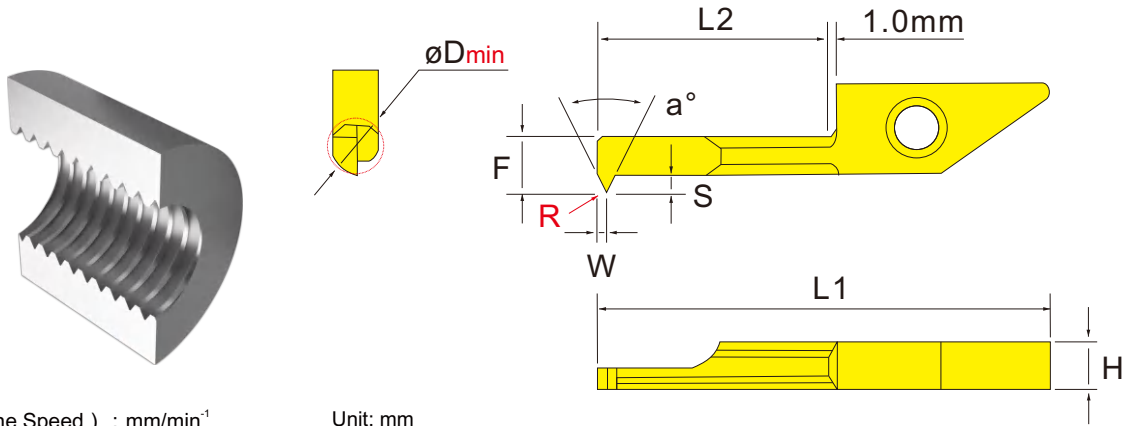
切削线速度 (Cutting Line Speed) : $\text{mm}/\text{min}^{-1}$ Unit: mm

ZP150		ZP152		CBN	PCD/ZK01
P 钢件 P Steel parts	K 铸铁 K cast iron	M 不锈钢 M stainless steel	H 钛合金 H titanium alloy	S 硬质合金 S hard metal	N 铜铝 N Copper aluminum
15-150	15-150	15-130	15-60	15-60	20-600

每转进给量 (Feed Per Revolution) : 0.02-0.1 mm/rev

型号 Type	尺寸 Dimensions									Toolholder	CBN	PCD	ZK01	ZP150	ZP152
	ϕD_{min}	F	S	L2	L1	H	R	W							
VNBTR0415-005	4.0	3.6	1.0	15	34.8	3.9	0.05	1.5		SVNR.. S..SVNR..	○	○	●	●	●
VNBTR0515-005	5.0	4.6	1.3	15	34.8	3.9	0.05	1.5			○	○	●	●	●
VNBTR0615-005	6.0	5.6	1.5	15	34.8	3.9	0.05	1.5			○	○	●	●	●

螺纹刀片 Threading Inserts



螺纹加工
Threading

切削线速度 (Cutting Line Speed) : mm/min⁻¹ Unit: mm

ZP150 ZP152				CBN	PCD/ZK01
P 钢件 P Steel parts	K 铸铁 K cast iron	M 不锈钢 M stainless steel	H 钛合金 H titanium alloy	S 硬质合金 S hard metal	N 铜铝 N Copper aluminum
15-150	15-150	15-130	15-60	15-60	20-600

每转进给量 (Feed Per Revolution) : 0.02-0.1 mm/rev

型号 Type	尺寸 Dimensions								螺距 Pitch	CBN	PCD	ZK01	ZP150	ZP152
	øD _{min}	F	S	L2	L1	H	R	a°						
VNTR045-11-A60-NB	4.5	3.6	1.3	11	30.8	3.9	0.05	60°	>M6.0 0.75~1.25mm TPI:28-20	○	○	●	●	●
VNTR060-11-A60-NB	6.0	4.6	1.6	11	30.8	3.9	0.05	60°	>M8.0 0.75~1.5mm TPI:24-18	○	○	●	●	●

切深量与走刀次数 (公制螺纹) Cutting depth and cutting frequency (metric thread)

螺距 pitch	总切深 Total cutting depth	走刀次数 Number of tool passes	1-17次走刀 1-17 tool passes																
			0.06	0.06	0.05	0.05	0.05	0.04	0.04	0.03	0.03	0.03							
0.75	0.44	10	0.06	0.06	0.05	0.05	0.05	0.04	0.04	0.03	0.03	0.03							
1.00	0.60	12	0.07	0.07	0.06	0.06	0.06	0.05	0.05	0.04	0.04	0.04	0.03	0.03					
1.25	0.76	14	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.04	0.04	0.04	0.03			
1.50	0.92	17	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.05	0.05	0.04	0.04	0.04	0.04	0.03

使用注意

Precautions for Use

1. 切削速度以30~50m/min为标准。请注意小直径工件高转速加工时，进给量会受设备限制。
1. The cutting speed is based on a standard of 30-50m/min. Please note that when processing small diameter workpieces at high speeds, the feed rate may be limited by the equipment.
2. 推荐湿式加工。
2. Wet processing is recommended.

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
成型

焊接
车刀
夹头

外圆
车削

内孔
车削

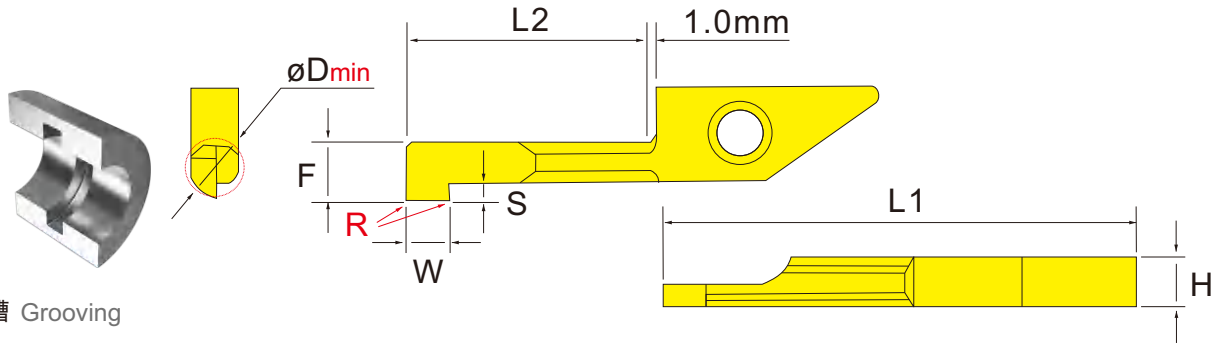
螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

切槽刀片 Grooving Inserts



切槽 Grooving

切削线速度 (Cutting Line Speed) : mm/min⁻¹ Unit: mm

ZP150		ZP152		CBN	PCD/ZK01
P 钢件 P Steel parts	K 铸铁 K cast iron	M 不锈钢 M stainless steel	H 钛合金 H titanium alloy	S 硬质合金 S hard metal	N 铜铝 N Copper aluminum
15-150	15-150	15-130	15-60	15-60	20-600

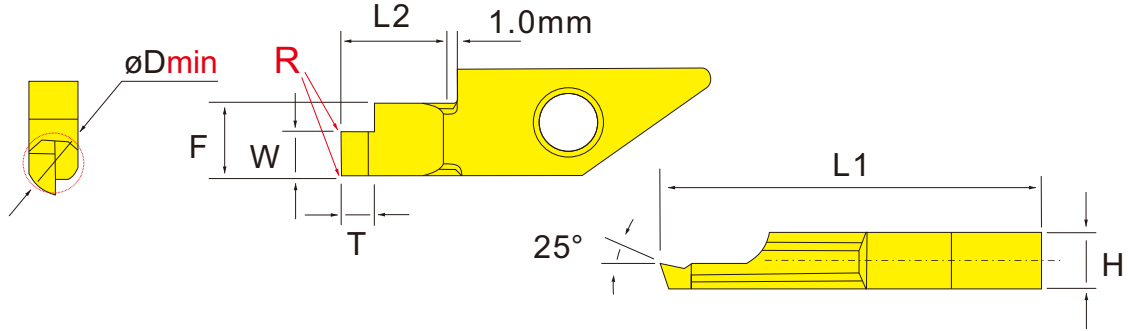
每转进给量 (Feed Per Revolution) : 0.01-0.05 mm/rev

型号 Type	尺寸 Dimensions								Toolholder	CBN	PCD	ZK01	ZP150	ZP152
	øDmin	W	S	F	L2	L1	H	R						
VNGR0410-11	4.0	1.0	0.8	3.5	11	30.8	3.9	0.05	SVNR.. S..SVNR..	○	○	●	●	●
VNGR0420-11	4.0	2.0	0.8	3.5	11	30.8	3.9	0.05		○	○	●	●	●
VNGR0510-11	5.0	1.0	1.2	4.4	11	30.8	3.9	0.05		○	○	●	●	●
VNGR0520-11	5.0	2.0	1.2	4.4	11	30.8	3.9	0.05		○	○	●	●	●
VNGR0610-15	6.0	1.0	2.0	5.2	15	34.8	3.9	0.05		○	○	●	●	●
VNGR0620-15	6.0	2.0	2.0	5.2	15	34.8	3.9	0.05		○	○	●	●	●
VNGR0710-15	7.0	1.0	2.0	6.2	15	34.8	3.9	0.05		○	○	●	●	●
VNGR0720-15	7.0	2.0	2.0	6.2	15	34.8	3.9	0.05		○	○	●	●	●

- 车削刀柄
- CSV 凸轮车床刀具
- DS 刀柄
- 正面排刀
- Y轴刀柄
- 前车削
- 后车削
- 小径切槽切断螺纹
- 小孔加工
- 滚花成型
- 焊接车刀夹头
- 外圆车削
- 内孔车削
- 螺纹车削
- 切槽切断
- 端面切槽
- 阻尼模组

端面切槽刀片

End Face Grooving Inserts



切削线速度 (Cutting Line Speed) : $\text{mm}/\text{min}^{-1}$

Unit: mm

ZP150		ZP152		CBN	PCD/ZK01
P 钢件 P Steel parts	K 铸铁 K cast iron	M 不锈钢 M stainless steel	H 钛合金 H titanium alloy	S 硬质合金 S hard metal	N 铜铝 N Copper aluminum
15-150	15-150	15-130	15-60	15-60	20-600

每转进给量 (Feed Per Revolution) : 0.01-0.06 mm/rev

型号 Type	尺寸 Dimensions								Toolholder	CBN	PCD	ZK01	ZP150	ZP152
	ϕD_{min}	W	T	F	L1	L2	H	R						
VNFGRO810-030-10	8.0	1.0	3.0	7.3	29.6	10	3.9	0.05	SVNR..	○	○	●	●	●
VNFGRO820-050-10	8.0	2.0	5.0	7.3	29.6	10	3.9	0.05	S..SVNR..	○	○	●	●	●
VNFGRO830-060-10	8.0	3.0	6.0	7.3	29.6	10	3.9	0.05	S..SVNR..	○	○	●	●	●

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
成型

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

车削刀柄

VNBX-S 内径加工

VNBX-S inner diameter machining

CSV
凸轮车床刀具

DS
刀柄

正面排刀

Y轴刀柄

前车削

后车削

小径切槽切断螺纹

小孔加工

滚花成型

焊接车刀夹头

外圆车削

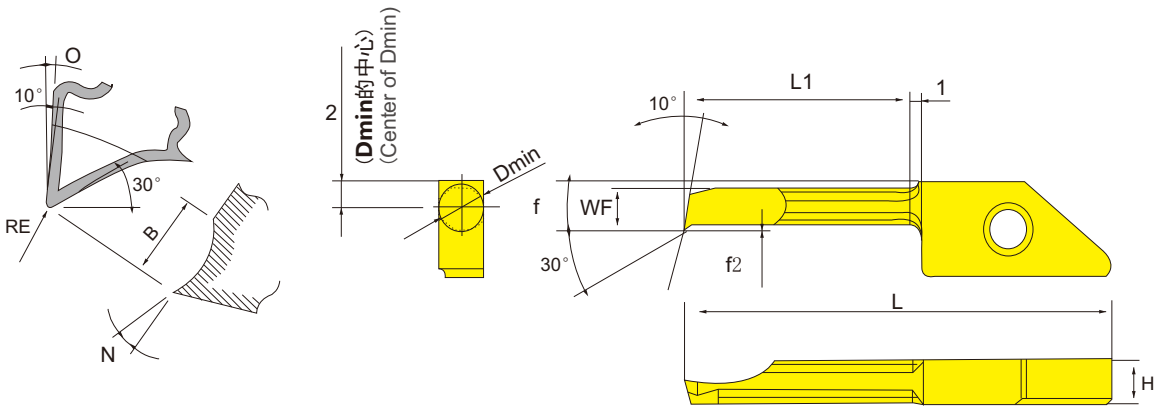
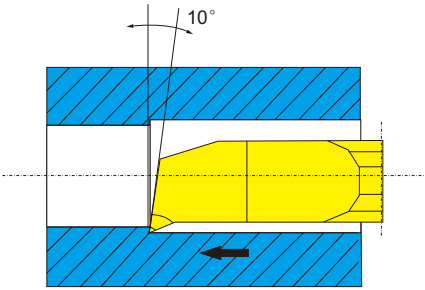
内孔车削

螺纹车削

切槽切断

端面切槽

阻尼模组



断屑槽详情

Details of chip breaking groove

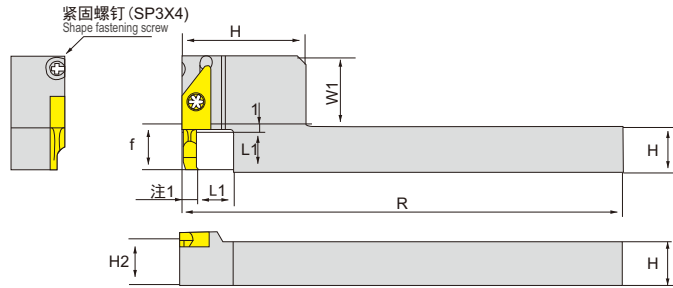
本图为右手 (R)

This image is for the right hand (R)

型号 model	最小加工径 Minimum machining diameter	尺寸 Dimensions											材质 material quality PVD涂层硬质合金 PVD coated hard alloy			编码 Encoded
		Dmin	H	L	L1	R	f	f2	WF	RE	B	O	N	ZP152		
VNBXR0103-005S	1.0	3.9	26.5	3	7	2.95	0.2	0.85	0.05 ⁺⁰ _{-0.02}	0.7	7°	15	•			
VNBXR0105-005S				5				1.3					•			
VNBXR01503-005S				3									•			
VNBXR01505-005S	1.5	3.9	30.8	5	21	3.5	0.4	1.8	0.01 ⁺⁰ _{-0.03}	0.8	8°	18	•			
VNBXR0206-005S				6				2.6					•			
VNBXR025075-005S				3				3.1					•			
VNBXR0311-005S	3.0	3.66	39.8	11	21	3.75	0.45	3.1	0.01 ⁺⁰ _{-0.03}	0.8	8°	18	•			
VNBXR03515-005S				16				3.5					•			
VNBXR0411-005S				11				3.5					•			
VNBXR0420-005S	4.0	3.66	39.8	20	21	4	0.5	3.5	0.01 ⁺⁰ _{-0.03}	0.8	8°	18	•			
VNBXR01503-01S				3				1.3					•			
VNBXR01505-01S				5				1.3					•			
VNBXR0206-01S	2.0	3.9	30.8	6	21	3	0.25	1.8	0.01 ⁺⁰ _{-0.03}	0.8	8°	18	•			
VNBXR025075-01S				3				2.6					•			
VNBXR0311-01S				11				3.1					•			
VNBXR03515-01S	3.5	3.66	39.8	16	21	3.75	0.45	3.1	0.01 ⁺⁰ _{-0.03}	0.8	8°	18	•			
VNBXR0411-01S				11				3.5					•			
VNBXR0420-01S				20				3.5					•			
VNBXR0411-02S	4.0	3.66	30.8	11	21	4		3.5	0.02 ⁺⁰ _{-0.04}	0.8	8°	18	•			
VNBXR0420-02S				20				3.5					•			

SVNS-XN(方形刀杆L型)

SVNS-XN (Square Blade L-shaped)



本图为右手 (R) This image is for the right hand (R)



刀片 (Inserts): AB69

零配件 (Toolholder Parts): P03-P06

形状 shape	尺寸 Dimensions										零件 part			适用刀片 material quality	编码 Encoded
	H=H2	B	L _R	L2 H	L1	L2	f	W1	L1	紧固螺钉 Shape fastening screw	扳手 wrench FT LTW	紧固螺钉 Shape fastening screw	库存 inventory		
SVNSR1010K-12-06XN	10	10	10	125	45	10	10	19	6	M-3080TR	T10	SP3X4	VNBXR..		
SVNSR1010K-12-11XN								23	11						
SVNSR1212M-12-06XN								17	6						
SVNSR1212M-12-11XN	12	12	12	150	16	16	12	21	11						
SVNSR1212M-12-20XN									30						20
SVNSR1616M-12-06XN	16	16	16				13	6							
SVNSR1616M-12-11XN							17	11							
SVNSR1616M-12-20XN							26	20							

S-SVN-XN(圆形刀杆标准型)

S-SVN-XN (standard round tool holder)

Fig. 1 (S-SVN-XN)

刀杆中心至刀片侧面的长度
The length from the center of the blade holder to the side of the blade

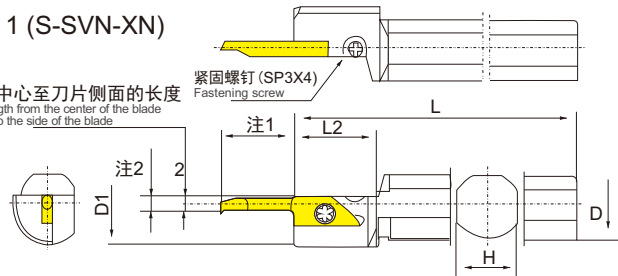
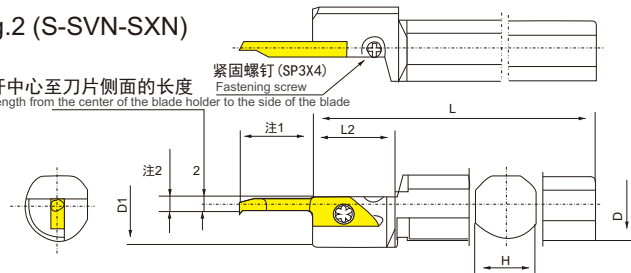


Fig.2 (S-SVN-SXN)

刀杆中心至刀片侧面的长度
The length from the center of the blade holder to the side of the blade



本图为右手 (R) This image is for the right hand (R)

注1的尺寸表示适用刀片 (VNBX) 的L1+1mm。

The dimensions in Note 1 represent L1+1mm for the applicable blade (VNBX).

注2的尺寸与适用刀片 (VNBX) 的f相同。

The size of Note 2 is the same as f for the applicable blade (VNBX).



刀片 (Inserts): AB69

零配件 (Toolholder Parts): P03-P06

型号 model	尺寸 Dimensions					形状 shape	零件 part				适用刀片 material quality	编码 Encoded	
	D	D1	H	L	L2		紧固螺钉 Shape fastening screw	扳手 wrench	紧固螺钉 Shape fastening screw	库存 inventory			
DS-SVNR12F12XN	12		11	80	23	Fig.1	M-3080TR	T-10	SP3X4	•	VNBXR...		
DS-SVNR14G12XN	14	20	13	90									•
DS-SVNR16H12XN	16		15	100									•
DS-SVNR19.05H12XN	19.05	24	17	160	24	Fig.1	M-3080TR	T-10	SP3X4	•	VNBXR...		
DS-SVNR19.05N12XN			18	100									•
DS-SVNR20H12XN	20		18	180	23	Fig.2	M-3080TR	T-10	SP3X4	•	VNBXR...		
DS-SVNR25H12XN	25.4	30	23	180									•
DS-SVNR25Q12XN													•
DS-SVNR19.05H12SXN	19.05	18.5	17	100	23	Fig.2	M-3080TR	T-10	SP3X4	•	VNBXR...		
DS-SVNR20H12SXN	20	19.5	18	100									•
DS-SVNR22K12SXN	22	21.5	20	125									•
DS-SVNR25G12SXN	25	24.5	23	90						•			

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
成型

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

HT 可换刀片小径内孔车削刀具

HT Interchangeable Insert Small Diameter Inner Hole Turning Tool

多用途：正刀/反刀/切槽/螺纹

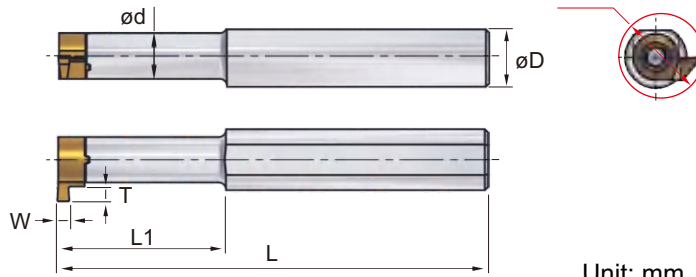
Multipurpose: Straight/reverse/grooving/threading

孔径大于7mm适用

精密磨制刀片，精度高，低阻力槽型设计，PVD涂层耐磨
Precision Ground Insert, High Precision, Low Resistance Groove Design, Pvd Coating Wear-resistant

内孔车削、切槽、螺纹与仿形

Boring, Grooving, Threading & Profiling

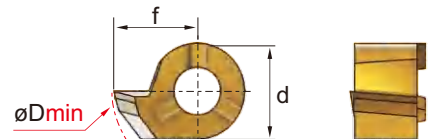


刀片 (Inserts): AB71-AB74
零配件 (Toolholder Parts): P03-P06

型号 model	尺寸 Dimensions							Screw	Wrench	Insert
	øD _{min}	W	T	L	L1	ød	øD			
HT05-020-070-S12	6.8	1.0-2.0	1.0-1.5	70	20	5.2	12	M2.5x8	T8	HT05..
HT05C-040-100-S12	6.8	1.0-2.0	1.0-1.5	100	40	5.2	12	M2.5x8	T8	HT05..
HT07-030-080-S12	9.5	1.0-3.0	1.5-4.0	80	30	7.3	12	M3.5x10	T15	HT07..
HT07C-050-120-S12	9.5	1.0-3.0	1.5-4.0	120	50	7.3	12	M3.5x10	T15	HT07..
HT11-035-100-S12	15.5	2.0-4.0	2.0-5.5	100	35	11.2	12	M5.0x12	T20	HT11..
HT11-035-100-S16	15.5	2.0-4.0	2.0-5.5	100	35	11.2	16	M5.0x12	T20	HT11..
HT11C-080-150-S16	15.5	2.0-4.0	2.0-5.5	150	80	11.2	16	M5.0x12	T20	HT11..

镗孔刀片

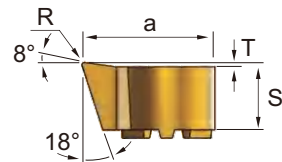
Boring Insert



切削线速度：mm/min⁻¹ Cutting line speed: mm/min⁻¹

ZP150		ZP152		CBN	PCD/ZK01
P 钢件 Steel parts	K 铸铁 Cast iron	M 不锈钢 Stainless steel	H 钛合金 Titanium alloy	S 硬质合金 Hard metal	N 铜铝 Copper aluminum
15-150	15-150	15-90	15-60	15-60	20-600

每转进给量：0.02-0.1mm/rev Feed rate per revolution: 0.02-0.1mm/rev



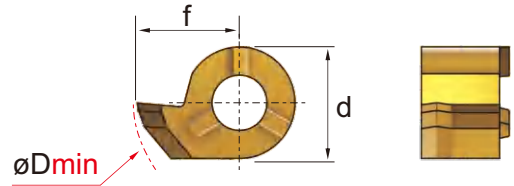
Unit: mm

型号 model	尺寸 Dimensions								Toolholder	CBN	PCD	ZK01	ZP150	ZP152
	øD _{min}	T	f	ød	a	S	R							
HT05-TR0.2-068R	7.0	0.3	4.0	5.2	7.0	5.2	0.2	Ht05..	○	○	●	●	●	
HT07-TR0.2-105R	10.5	0.3	6.5	7.3	10.0	5.2	0.2	HT07..	○	○	●	●	●	
HT11-TR0.2-144R	14.5	0.3	9.7	11.2	14.1	5.2	0.2	HT11..	○	○	●	●	●	

螺纹刀片

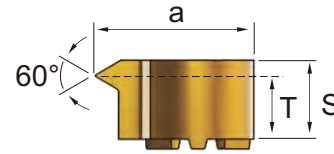
Threading Insert

螺纹加工
Thread processing



切削线速度 : mm/min⁻¹ Cutting line speed: mm/min⁻¹

ZP150		ZP152		CBN	PCD/ZK01
P 钢件 Steel parts	K 铸铁 Cast iron	M 不锈钢 Stainless steel	H 钛合金 Titanium alloy	S 硬质合金 Hard metal	N 铜铝 Copper aluminum
15-150	15-150	15-90	15-60	15-60	20-600



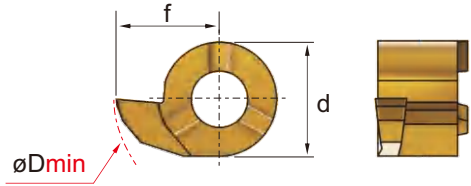
Unit: mm

型号 model	尺寸 Dimensions								Toolholder	CBN	PCD	ZK01	ZP150	ZP152
	øDmin	Tpi	T	f	ød	a	S	R						
HT05-AG60-150R	7.0	0.5-1.5	3.8	4.2	5.2	6.8	4.5		Ht05..	○	○	●	●	●
HT07-AG60-200R	10.5	0.5-2.0	3.8	4.2	7.3	6.8	4.5		HT07..	○	○	●	●	●
HT11-AG60-250R	15.0	0.5-2.5	3.8	4.2	11.2	6.8	4.5		HT11..	○	○	●	●	●

切槽刀片

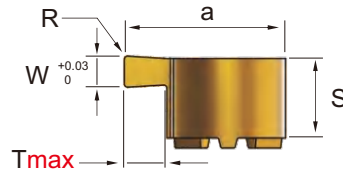
Grooving Insert

切槽
Grooving



切削线速度 : mm/min⁻¹ Cutting line speed: mm/min⁻¹

ZP150		ZP152		CBN	PCD/ZK01
P 钢件 Steel parts	K 铸铁 Cast iron	M 不锈钢 Stainless steel	H 钛合金 Titanium alloy	S 硬质合金 Hard metal	N 铜铝 Copper aluminum
15-150	15-150	15-90	15-60	15-60	20-600



Unit: mm

每转进给量 : 0.01-0.03mm/rev Feed rate per revolution: 0.01-0.03mm/rev

型号 model	尺寸 Dimensions								Toolholder	CBN	PCD	ZK01	ZP150	ZP152
	øDmin	W	Tmax	f	ød	a	S	R						
HT05-010R0.1-010R	6.8	1.0	1.0	4.0	5.2	6.6	4.3	0.1	Ht05..	○	○	●	●	●
HT05-010R0.1-015R	7.2	1.0	1.5	4.4	5.2	7.0	4.3	0.1	HT05..	○	○	●	●	●
HT05-015R0.1-015R	7.2	1.5	1.5	4.4	5.2	7.0	4.3	0.1	HT05..	○	○	●	●	●
HT05-020R0.2-015R	7.2	2.0	1.5	4.4	5.2	7.0	4.3	0.2	HT05..	○	○	●	●	●
HT07-010R0.1-015R	9.5	1.0	1.5	5.6	7.3	9.2	4.3	0.1	HT07..	○	○	●	●	●
HT07-010R0.1-025R	10.5	1.0	2.5	6.6	7.3	10.2	4.3	0.1	HT07..	○	○	●	●	●
HT07-015R0.1-015R	9.5	1.5	1.5	5.6	7.3	9.2	4.3	0.1	HT07..	○	○	●	●	●
HT07-015R0.1-025R	10.5	1.5	2.5	6.6	7.3	10.2	4.3	0.1	HT07..	○	○	●	●	●
HT07-020R0.2-025R	10.5	2.0	2.5	6.6	7.3	10.2	4.3	0.2	HT07..	○	○	●	●	●
HT07-020R0.2-035R	11.5	2.0	3.5	7.6	7.3	11.2	4.3	0.2	HT07..	○	○	●	●	●
HT07-025R0.2-025R	10.5	2.5	2.5	6.5	7.3	10.2	4.3	0.2	HT07..	○	○	●	●	●
HT07-030R0.2-025R	10.5	3.0	2.5	6.5	7.3	10.2	4.3	0.2	HT07..	○	○	●	●	●
HT07-030R0.2-040R	12.2	3.0	4.0	8.3	7.3	11.9	4.3	0.2	HT07..	○	○	●	●	●
HT11-020R0.2-030R	15.5	2.0	3.0	9.5	11.2	15.1	4.3	0.2	HT11..	○	○	●	●	●
HT11-020R0.2-050R	17.5	2.0	5.0	11.5	11.2	17.1	4.3	0.2	HT11..	○	○	●	●	●
HT11-025R0.2-030R	15.5	2.5	3.0	9.5	11.2	15.1	4.3	0.2	HT11..	○	○	●	●	●
HT11-025R0.2-050R	17.5	2.5	5.0	11.5	11.2	17.5	4.3	0.2	HT11..	○	○	●	●	●
HT11-030R0.2-030R	16.2	3.0	3.0	10.2	11.2	15.8	4.3	0.2	HT11..	○	○	●	●	●
HT11-030R0.2-055R	18.2	3.0	5.5	12.2	11.2	17.8	4.3	0.2	HT11..	○	○	●	●	●
HT11-035R0.2-030R	15.5	3.5	3.0	9.5	11.2	15.1	4.3	0.2	HT11..	○	○	●	●	●
HT11-035R0.2-055R	18.2	3.5	5.5	12.2	11.2	17.8	4.3	0.2	HT11..	○	○	●	●	●
HT11-040R0.2-055R	18.2	4.0	5.5	12.2	11.2	17.8	4.3	0.2	HT11..	○	○	●	●	●

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
成型

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

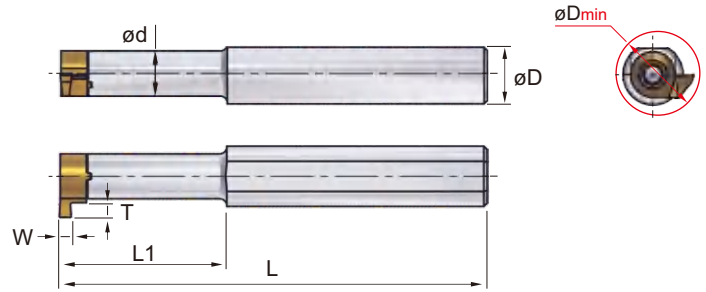
切槽
切断

端面
切槽

阻尼
模组

MB 可换刀片小径内孔车削刀具

MB Interchangeable Insert Small Diameter
Inner Hole Turning Tool

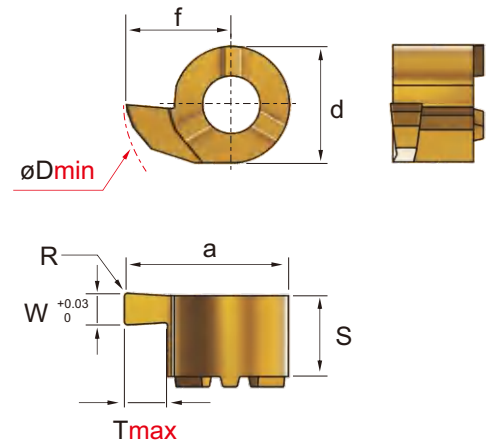
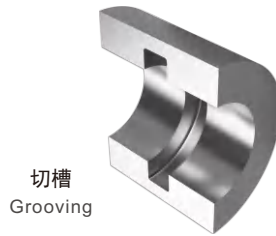


Unit: mm

型号 model	尺寸 Dimensions							Screw	Wrench	Insert
	øDmin	W	T	L	L1	ød	øD			
MB05-H12-16-100	9.0	1.0-2.0	2.8	100	16	5	12	M2.2x7	T6	MB-05..
MB07-H16-20-120	12.0	1.0-3.0	3.5	120	20	7	16	M3.0x8	T8	MB-07..
MB09-H16-30-120	17.0	1.5-3.0	6.5	120	30	9	16	M4.0x10	T15	MB-09..

切槽刀片

Grooving Insert



切削线速度 : mm/min⁻¹ Cutting line speed: mm/min⁻¹

ZP150 ZP152			CBN	PCD/ZK01	
P 钢件 Steel parts	K 铸铁 Cast iron	M 不锈钢 Stainless steel	H 钛合金 Titanium alloy	S 硬质合金 Hard metal	N 铜铝 Copper aluminum
15-150	15-150	15-90	15-60	15-60	20-600

每转进给量 : 0.01-0.03mm/rev Feed rate per revolution: 0.01-0.03mm/rev

Unit: mm

型号 model	尺寸 Dimensions								Toolholder	CBN	PCD	ZK01	ZP150	ZP152
	øDmin	W	Tmax	f	ød	a	S	R						
MB-05GR100-2.8D09	9.0	1.0	2.8	4.4	5.0	7.9	3.3	0.0	MB05-H..	○	○	●	●	●
MB-05GR150-2.8D09	9.0	1.5	2.8	4.4	5.0	7.9	3.3	0.0	MB05-H..	○	○	●	●	●
MB-05GR200-2.8D09	9.0	2.0	2.8	4.4	5.0	7.9	3.3	0.0	MB05-H..	○	○	●	●	●
MB-07GR100-3.5D12	12.0	1.0	3.5	7.4	7.0	10.9	3.8	0.0	MB07-H..	○	○	●	●	●
MB-07GR150-3.5D12	12.0	1.5	3.5	7.4	7.0	10.9	3.8	0.0	MB07-H..	○	○	●	●	●
MB-07GR200-3.5D12	12.0	2.0	3.5	7.4	7.0	10.9	3.8	0.0	MB07-H..	○	○	●	●	●
MB-07GR250-3.5D12	12.0	2.5	3.5	7.4	7.0	10.9	3.8	0.0	MB07-H..	○	○	●	●	●
MB-07GR300-3.5D12	12.0	3.0	3.5	7.4	7.0	10.9	3.8	0.0	MB07-H..	○	○	●	●	●
MB-09GR150-6.5D17	17.0	1.5	6.5	11.4	9.0	15.9	4.6	0.0	MB09-H..	○	○	●	●	●
MB-09GR160-6.5D17	17.0	1.6	6.5	11.4	9.0	15.9	4.6	0.0	MB09-H..	○	○	●	●	●
MB-09GR170-6.5D17	17.0	1.7	6.5	11.4	9.0	15.9	4.6	0.0	MB09-H..	○	○	●	●	●
MB-09GR180-6.5D17	17.0	1.8	6.5	11.4	9.0	15.9	4.6	0.0	MB09-H..	○	○	●	●	●
MB-09GR200-6.5D17	17.0	2.0	6.5	11.4	9.0	15.9	4.6	0.0	MB09-H..	○	○	●	●	●
MB-09GR250-6.5D17	17.0	2.5	6.5	11.4	9.0	15.9	4.6	0.0	MB09-H..	○	○	●	●	●
MB-09GR300-6.5D17	17.0	3.0	6.5	11.4	9.0	15.9	4.6	0.0	MB09-H..	○	○	●	●	●

车削刀柄

CSV 凸轮车床刀具

DS 刀柄

正面排刀

Y轴刀柄

前车削

后车削

小径切槽切断螺纹

小孔加工

滚花成型

焊接车刀夹头

外圆车削

内孔车削

螺纹车削

切槽切断

端面切槽

阻尼模组

切削线速度 Vc:m/min (ft/min)
Cutting line speed Vc:m/min (ft/min)

P

60-200
(195-655)

M

60-180
(195-590)

N

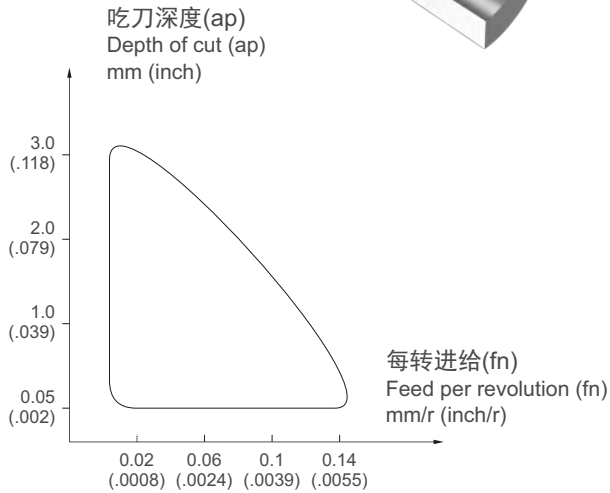
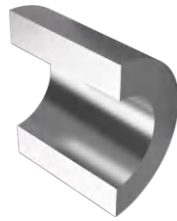
90-400
(295-..)

S

20-50
(65-165)

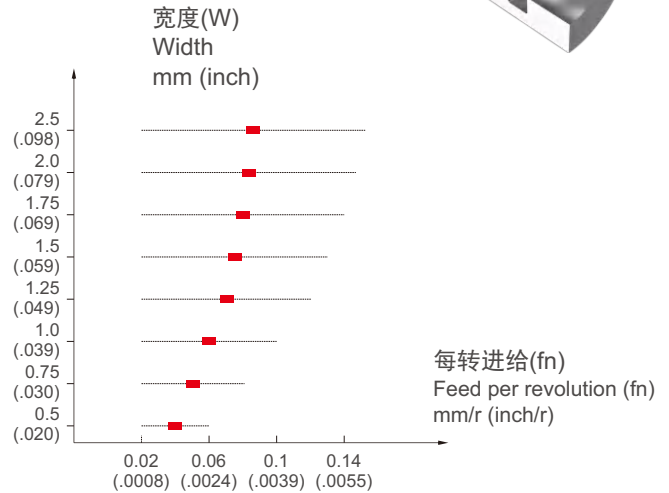
镗孔

Boring



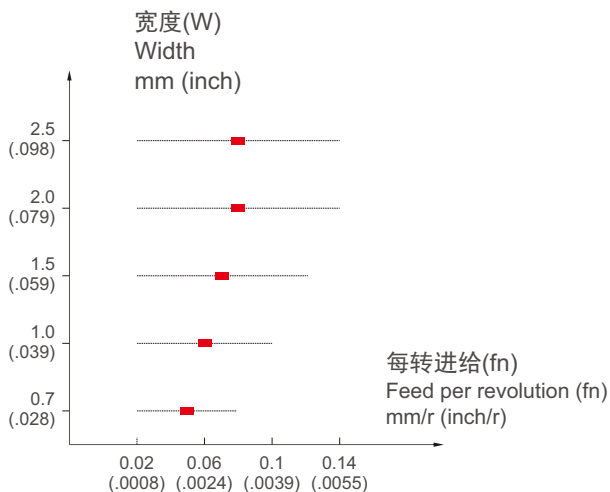
切槽

Grooving



切断

Cut off



螺纹

Thread



(径向进给推荐值)

(Recommended value for radial feed)

适用: 公制 ISO

Suit: ISO

螺距 pitch	螺纹总深度 ap Total thread depth ap		走刀次数 Number of tool passes
mm	mm	inch	nap
0.20	0.12	.005	4
0.25	0.15	.006	4
0.30	0.18	.007	4
0.35	0.20	.008	4
0.40	0.25	.010	4
0.45	0.28	.011	4
0.50	0.28	.011	4
0.75	0.46	.018	4
1.00	0.61	.024	5
1.25	0.74	.029	6
1.50	0.89	.035	6
1.75	1.07	.042	8
2.00	1.22	.048	8

适用: UN / W / NPT / BSPT

Suit: UN / W / NPT / BSPT

螺距 pitch	螺纹总深度 ap Total thread depth ap		走刀次数 Number of tool passes
tpi	mm	inch	nap
72	0.22	.0086	4
64	0.25	.0098	4
56	0.28	.0110	4
48	0.33	.0129	4
44	0.36	.0142	4
40	0.40	.0157	4
36	0.43	.0169	4
32	0.49	.0193	5
28	0.56	.0220	5
24	0.65	.0256	5
20	0.80	.0315	6
18	0.86	.0339	6
16	0.97	.0382	7
14	1.13	.0441	8
13	1.19	.0469	8
12	1.30	.0512	9

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
成型

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

内径加工用工具(多边孔/梅花孔用)

Tools for inner diameter machining (for multilateral holes/quincunx holes)

加工手顺 Processing manual

①中心 ①Centre
中心径是选定六角孔对边以上的径。
The center diameter is the diameter above the opposite side of the selected hexagonal hole.

②钻头 底孔 ②Drill bottom hole
请选择直径比对边小0.1mm的钻头进行底孔加工。加工时可能会产生毛刺,因此钻孔深度须大于多边孔加工深度。(梅花孔的底孔尺寸,请参考下表)
Please select a drill bit with a diameter 0.1mm smaller than the edge for bottom hole processing. Burrs may occur during machining, so the drilling depth must be greater than the machining depth of the multilateral hole. (For the size of the bottom hole of the plum blossom hole, please refer to the following table)

③中心 倒角 ③ Center chamfer
第①步骤使用后的中心孔进行倒角加工。① Chamfer the center hole after use. Step ① Can also be directly processed to this part.

④加工 ④ processing
加工六角孔,梅花孔时,每60°进行一轮切削,合计加工6次。加工方孔时,每60°进行一轮切削,合计加工4次
When machining hexagonal holes and plum blossom holes, a round of cutting is performed every 60°, with a total of 6 times of machining. When machining square holes, perform a round of cutting every 60°, totaling 4 times.

⑤钻头 零切屑精加工
⑤ Zero chip finishing of drill bits
使用后的②钻头,精加工。零切屑时因为是强断续加工,切削条件要降下来。
Finish machining with the used ② drill bit. During zero chip machining, the cutting conditions must be lowered due to strong intermittent machining.

加工过程表

Processing Process Table

六角型标准 Hexagonal standard	型号 Model	导孔直径 Pilot hole diameter (mm)	总切深/边 Total cut depth/edge (mm)	加工次数 Processing times			周期时间 Cycle time			编码 Encoded
				总加工次数 Total processing times	粗加工次数 No. of rough machining	精加工次数 Finishing times	ISO2936 六角形标准孔深 Hexagon standard hole depth	总加工时间 Total processing time	SHAPER加工时间 SHAPER processing time	
HEX1.5	SPH 020N 1130H	1.4	0.116	6	5	1	2	39 sec	14 sec	
HEX2.0	020N 1430H	1.9	0.155	7	6	1	2.5	44 sec	16 sec	
HEX2.5	030N 1940H	2.4	0.193	9	8	1	3	50 sec	20 sec	
HEX3.0	030N 1940H	2.9	0.232	10	9	1	3.5	55 sec	23 sec	
HEX4.0	040N 1450H	3.9	0.309	13	12	1	5	73 sec	33 sec	
HEX5.0	050N 3260H	4.9	0.387	17	16	1	6	90 sec	46 sec	
HEX6.0	060N 42120H	5.9	0.464	20	19	1	8	117 sec	63 sec	
HEX8.0	080N 62160H	7.9	0.619	26	25	1	10	155 sec	92 sec	

梅花孔(6-LOBE) 公称尺寸 Plum blossom hole	型号 Model	导孔直径 Pilot hole diameter (mm)	总切深/边 Total cut depth/edge (mm)	加工次数 Processing times			梅花孔标准孔深 (mm)	加工工时 Processing Hours		编码 Encoded
				总加工次数 Total processing times	粗加工次数 No. of rough machining	精加工次数 Finishing times		总加工时间 Total processing time	SHAPER加工时间 SHAPER processing time	
T6	SPH 050N25 T06	1.15	0.300	13	12	1	1.82	51 sec	23.2 sec	
T7	050N31 T07	1.38	0.340	15	14	1	2.44	59 sec	28.2 sec	
T8	050N36 T08	1.62	0.390	17	16	1	3.05	67 sec	33.8 sec	
T10	050N41 T10	1.92	0.440	19	18	1	3.56	75 sec	39.5 sec	
T15	050N43 T15	2.30	0.525	22	21	1	3.81	84 sec	46.2 sec	
T20	050N46 T20	2.71	0.620	26	25	1	4.07	94 sec	55.4 sec	
T25	050N50 T25	3.13	0.685	29	28	1	4.45	105 sec	63.8 sec	
T27	050N55 T27	3.52	0.775	32	31	1	4.70	115 sec	71.8 sec	
T30	050N55 T30	3.91	0.845	35	34	1	4.95	125 sec	80.2 sec	

推荐切削条件

Recommended cutting conditions

进给速度: F1000~4000 (mm/min)
粗车切深: 0.02~0.025mm 精车切深: 0.005~0.01mm
Feed speed: F1000~4000 (mm/min)
Rough turning cutting depth: 0.02~0.025mm Fine turning cutting depth: 0.005~0.01mm

注意: 退刀移动时,让位角度必须在6°以上。编程时请务必小心。
Note: When the moving in the retraction direction, the yielding angle must be above 6°. Be careful when programming.

内径加工用工具(多边孔/梅花孔用)

Tools for inner diameter machining (for multilateral holes/quincunx holes)

■ 梅花孔(6-LOBE孔) Plum blossom hole
■ 六角孔用 6 Corner holes
■ 四角孔用 4 Corner holes

特点 Characteristic

- 使用自动车床可对各种多边孔加工进行对应!
- 刀片使用高强度硬质合金材质,能够实现稳定的长寿命加工。
- 梅花孔形状也能够加工!

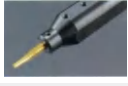
Automatic lathes can be used to correspond to various multilateral hole processing!
The insert is made of high-strength cemented carbide, enabling stable and long life machining.
Plum blossom hole shapes can also be processed!

新增了梅花孔加工用的标准产品。
Standard products for processing plum blossom holes have been added.


内六角/四方/梅花孔加工

Internal hexagonal/square/plum blossom hole processing

■ 梅花孔(6-LOBE孔)形加工方式对比表 Comparison of Processing Methods for Plum Blossom Hole (6-LOBE Hole) Shapes

	切削抵抗 Cutting resistance	加工工时 Processing Hours	性价比 Cost performance	高速转轴装置 High speed shaft device	编程 Programming	
	◎	◎	◎	不用 No	简单 Easy	· 对于梅花孔, 为了提高通用性, 一般使用小径铣刀来加工。这就要求机床配备高速转轴装置, 并且加工工序多, 耗工时久。 · 简单、快速地对梅花孔进行加工。
整体式铣刀 Integral milling cutter	○	×	△	要 Need	复杂 Complicated	· 对于梅花孔, 为了提高通用性, 一般使用小径铣刀来加工。这就要求机床配备高速转轴装置, 并且加工工序多, 耗工时久。 · 简单、快速地对梅花孔进行加工。 · For plum blossom holes, in order to improve versatility, small diameter milling cutters are generally used to process them. · This requires that the machine tool be equipped with a high-speed rotating shaft device, and that there are many processing procedures that consume long working hours. · Can easily and quickly process plum blossom holes.

■ 六角形加工方式对比表 Comparison Table of Hexagon Processing Methods

	切削抵抗 Cutting resistance	加工工时 Processing Hours	通用性 Generality	性价比 Cost performance	
	◎	△ ※实现主轴和背轴同时加工, 缩短周期 ※Realize simultaneous processing of main shaft and back shaft to shorten the cycle	○	◎	· 工具的切削抵抗小。对于小径工件特别有效。 · 一种规格可以对多种尺寸的孔加工
成形工具 Forming tool	△	○	×	△	· 一种规格只能对应一种尺寸的孔加工 · 成型工具虽然加工效率很高, 但切削抵抗却大幅增加, 有可能对工件造成意外损伤。另一方面, 其通用性较差, 1把刀具只能对应1种形状、尺寸。 · 切削抵抗力低, 能够实现安定加工。不仅单价实惠, 而且经久耐用。另一方面, 1把刀具可以对一定范围的多种形状、尺寸。简化了刀具在库管理。 · Although molding tools have high machining efficiency, their cutting resistance has increased significantly, potentially causing unexpected damage to the workpiece. On the other hand, its versatility is poor, and one tool can only correspond to one shape and size. · Has low cutting resistance and can achieve stable machining. Not only is the unit price affordable, but it is also durable. On the other hand, one tool can correspond to a range of various shapes and sizes. Simplifies tool in stock management.

■ 内径加工用工具(多边孔/梅花孔用) Tools for inner diameter machining (for multilateral holes/quincunx holes)

角孔加工的编程案例

Programming Cases for Corner Hole Machining

六角孔尺寸: 对边3.0mm 对角3.6mm 深2.7mm 底孔钻头径: $\phi 2.9\text{mm}$

Hexagon hole size: opposite side 3.0mm diagonal 3.6mm depth 2.7mm bottom hole drill diameter: $\phi 2.9\text{mm}$

切深量: 粗加工0.025mm/次 精加工0.005mm
Cutting depth: rough machining 0.025mm/secondary finishing 0.005mm

在制作加工编程时请从实际加工的终点(对角尺寸)开始计算, 而不是从实际加工的开始位置进行计算。
When making machining programming, please calculate from the end point (diagonal dimension) of the actual machining, rather than from the starting position of the actual machining.

加工终点..... 3.60 (对角尺寸)	Machining end point 3.60 (diagonal dimension)
粗加工终..... 3.59 (对角尺寸3.60-精加工的切深0.01 = 3.59)	Rough Finish 3.59 (diagonal dimension 3.60 - cutting depth for finishing 0.01=3.59)
粗加工总切深量..... 0.69 (粗加工终点3.59-底孔钻头径2.9 = 0.69)	Total cutting depth of rough machining 0.69 (rough machining end point 3.59 - bottom hole drill diameter 2.9=0.69)
加工次数..... 14次 (粗加工切深总计0.69六粗加工切深量0.05 = 13.8 → 14)	Processing times 14 times (total rough machining cutting depth 0.69 6 rough machining cutting depth 0.05=13.8 → 14)
开始点..... 2.89 (粗加工终点3.59-粗加工切深量0.05 X 加工次数14次 = 2.89) 程序里务必添加“停顿”的动作。	Starting point 2.89 (Rough machining end point 3.59 - Rough machining cutting depth 0.05 X Processing times 14 = 2.89) Make sure to add a "pause" action in the sequence.

为了保持加工编程的读取和机械设备实际运作一致, 请参考下面的编程例在程序里务必添加“停顿”的动作。

In order to maintain consistency between the reading of processing programming and the actual operation of the mechanical equipment, please refer to the following programming example and be sure to add a "pause" action to the program.

使用CITIZEN机 Using a CITIZEN machine	使用STAR机 Using a STAR machine	使用TSUGAMI机 Using a TSUGAMI machine
主程序 Main program	主程序 Main program	主程序 Main program
M25 M78 SO T○○○ (SHAPER) G50 U1.6 G0×2.89 Z-2.0T** M98 P2100 L14 M98 P2200	M25 T○○○ (SHAPER) G50 U1.6 M8 G0×2.89 Z-2.0T** M98 P2100 L14 M98 P2200	M105 M150 M182 G28 H0 T○○○ (SHAPER) G50 U1.6 G0×2.89 Z-2.0T** M98 P2100 L14 M98 P2200 M183
在S120、S180、S240、S300下 (代表120° 180° 240° 300°) 重复<a>程序4次来完成切削。	在C120、C180、C240、C300下 (代表120° 180° 240° 300°) 重复<a>程序4次来完成切削。	在C120、C180、C240、C300下 (代表120° 180° 240° 300°) 重复<a>程序4次来完成切削。
Repeat the<a>procedure 4 times to complete the cutting.	Repeat the<a>procedure 4 times to complete the cutting.	Repeat the<a>procedure 4 times to complete the cutting.
M20 G0 U0 W0 T0 G0 Z-10.0 M1 G50 U-1.6	G0 Z-2.0 G28 W0 G50 U-1.6 M1 G0 U0	M151 G0 U0 W0 T0 G0 Z-10.0 M1 G50 U-1.6

辅助程序#1: 粗加工程序 Auxiliary Program # 1: Rough Machining Program	辅助程序#1: 粗加工程序 Auxiliary Program # 1: Rough Machining Program	辅助程序#1: 粗加工程序 Auxiliary Program # 1: Rough Machining Program
M2100 G4 U0.02 G4 U0.02 G0 Z-2.0 G98 G1 Z2.7 F3000 G4 U0.02 G4 U0.02 U0.25 U-0.2 W-0.018 M99	O2100 G4 U0.02 G4 U0.02 G0 Z2.0 G98 G1 Z2.7 F3000 G4 U0.02 G4 U0.02 U0.25 U-0.2 W-0.018 M99	O2100 G4 U0.02 G4 U0.02 G0 Z2.0 G98 G1 Z2.7 F3000 G4 U0.02 G4 U0.02 U0.25 U-0.2 W-0.018 M99

辅助程序#2: 精加工程序 Auxiliary program # 2: Finishing program	辅助程序#2: 精加工程序 Auxiliary program # 2: Finishing program	辅助程序#2: 精加工程序 Auxiliary program # 2: Finishing program
M2200 U-0.2 W-0.018 G98 G1×3.6 Z-2.0 F1000 G4 U0.02 G4 U0.02 G0 Z-2.0 Z2.7 F3000 M99 G4 U0.02	O2200 U-0.2 W-0.018 G98 G1×3.6 Z-2.0 F1000 G4 U0.02 G4 U0.02 G0 Z-2.0 Z2.7 F3000 M99 G4 U0.02	O2200 U-0.2 W-0.018 G98 G1×3.6 Z-2.0 F1000 G4 U0.02 G4 U0.02 G0 Z-2.0 Z2.7 F3000 M99 G4 U0.02

注意: 根据使用的机械指令代码, 数值可能要变更。 Note: Values may change depending on the machine command code used.

车削
车刀

CSV
凸床
车刀
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
成型

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

■ 组装说明-六角型

Assembly instructions for hexagonal type

■ 机外

Off board

①



· 将插入式刀片安装入套筒中，并且检查套筒和刀片的平面部分是否相对应。

■ Install the plug-in insert into the sleeve and check that the sleeve and the flat portion of the insert correspond.

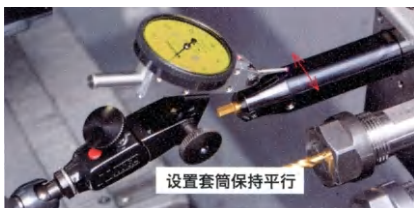
■ 调整插入式刀片突出部分到最小。

Adjust the plug-in insert protrusion to the minimum.

■ 机内

Inside the aircraft

②



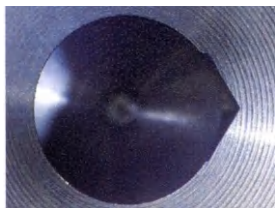
■ 把套筒装入刀架中，并且确保套筒保持平行。

Install the sleeve into the tool holder and ensure that the sleeve remains parallel.

■ 调整套筒突出部分至最小。

Adjust the sleeve protrusion to a minimum.

③



· 为了确认刀尖中心高度是否调整到位，请加工一个径向切深略大于实际工件尺寸的角。(在原程序基础上单边增加0.025mm X 5pass) 为了进行测量，请不要进行倒角工序

To confirm whether the height of the tool tip center is adjusted in place, please process an angle with a radial cutting depth slightly larger than the actual workpiece size.

(Based on the original program, add 0.025mm X 5pass on one side) For measurement purposes, please do not perform the chamfering process

· 只加工1个角，并测量a和b的长度。

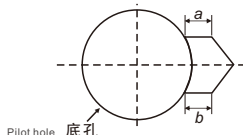
如果a和b的长度相等(误差小于0.02mm)，则无需再调整。

反之，则通过旋转套筒调整中心高，直到取得a和b同样的长度(误差小于0.02mm)

Only one corner is machined and the lengths of a and b are measured.

If the lengths of a and b are equal (with an error of less than 0.02 mm), no further adjustment is necessary.

On the contrary, adjust the center height by rotating the sleeve until the same length of a and b is obtained (the error is less than 0.02mm)



■ 加工六角形

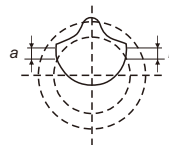
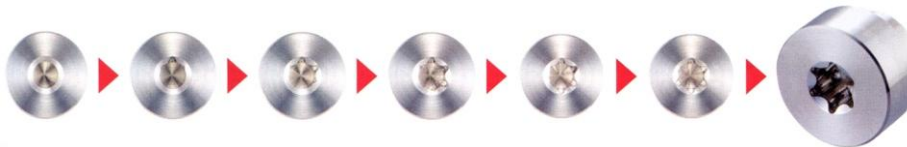
Machining hexagon

④ 六角形加工程序的完整运行 Complete operation of hexagonal machining program



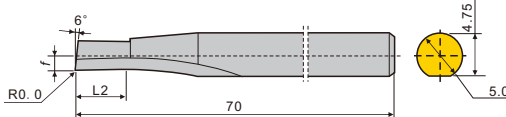
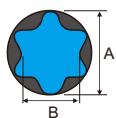
④ 梅花孔加工的调整方法和六角孔时一样。

The adjustment method for machining plum blossom holes is the same as for hexagonal holes.



■ 梅花孔用 内径加工用工具

Tools for inner diameter machining of plum blossom holes



1刀角式样
1 Insert angle pattern

刀具型号 Insert model	可对应梅花孔尺寸 ① Hole specification		公称尺寸 (mm) Nominal size		梅花孔(6-LOBE) 公称尺寸 Plum blossom hole	参考底孔直径 Reference bottom hole diameter (mm)	尺寸 (mm) Dimensions (mm)				PVD涂层微粒子硬质合金 PVD coated particles Cemented carbide ZP160	编码 Encoded
	孔规格	A	B	L2			a	β	f			
SPH 050N25 T06	6	1.75	1.27	T6	1.15	2.5	1.2	1.09	0.5	●		
050N31 T07	-	-	-	T7	1.38	3.1	1.4	1.29	0.6	●		
050N36 T08	8	2.40	1.75	T8	1.62	3.6	1.6	1.50	0.7	●		
050N41 T10	10	2.80	2.05	T10	1.92	4.1	1.8	1.70	0.8	●		
050N43 T15	15	3.35	2.40	T15	2.30	4.3	2.2	2.10	1.0	●		
050N43 T20	20	3.95	2.85	T20	2.71	4.6	2.6	2.50	1.2	●		
050N50 T25	25	4.50	3.25	T25	3.13	5.0	3.0	2.90	1.4	●		
050N55 T27	-	-	-	T27	3.52	5.5	3.4	3.30	1.6	●		
050N55 T30	30	5.60	4.05	T30	3.91	5.5	3.8	3.70	1.8	●		

※1 梅花孔规格遵循JIS B 1015:2008 (ISO 10664:2005) [外螺纹零件用梅花孔] 的相关规定。

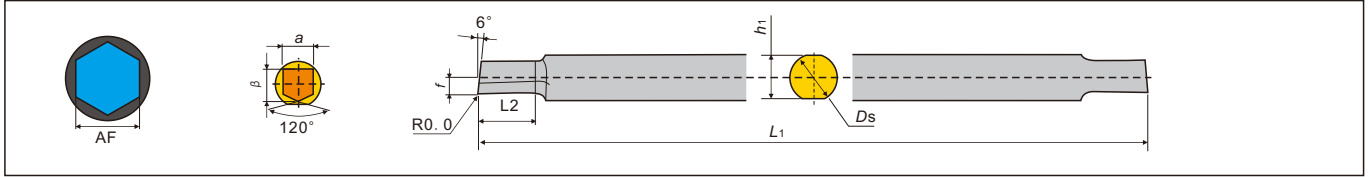
※ 1 The specifications of the plum blossom hole shall comply with the relevant provisions of JIS B 1015:2008 (ISO 10664:2005) [Plum blossom holes for externally threaded parts].

内六角/四方/梅花孔加工

Internal hexagonal/square/plum blossom hole processing

六角孔用

6 Corner holes



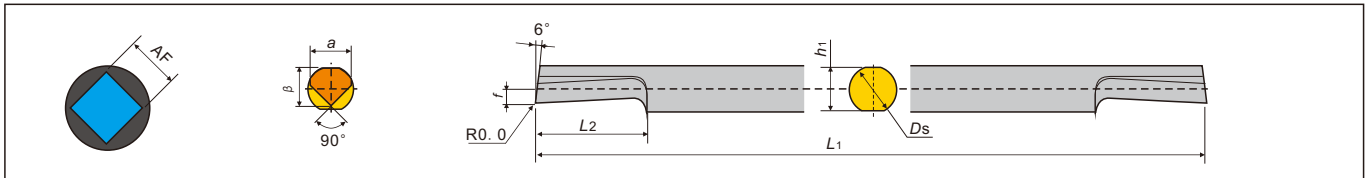
刀片型号 Insert model	加工基准对边 Machining reference opposite side AF(mm)	加工可能对边 Machining may be opposite sides AF(mm)	Ds (mm)	L1 (mm)	L2 (mm)	h1 (mm)	a (mm)	β (mm)	f (mm)	PVD涂层微粒子硬质合金 PVD coated particles Cemented carbide	编码 Encoded
										ZP160	
SPH 020N 1130H	HEX 1.5	1.4-1.9	∅2	50	3.0	1.8	1.1	0.9	0.45	●	
020N 1430H	HEX 2.0	1.8-2.5	∅2	50	3.0	1.8	1.4	1.2	0.60	●	
030N 1940H	HEX 3.0	2.3-3.5	∅3	50	4.0	2.8	1.9	1.5	0.75	●	
040N 1450H	HEX 4.0	3.3-4.5	∅4	60	5.0	3.8	2.4	2.5	1.25	●	
050N 3260H	HEX 5.0	4.3-6.1	∅5	70	6.0	4.8	3.2	3.3	1.65	●	
060N 42120H	HEX 6.0	5.3-8.1	∅6	80	12.0	5.6	4.2	4.0	2.00	●	
080N 62160H	HEX 8.0	7.3-12.1	∅8	80	16.0	7.6	6.2	4.9	2.45	●	

※请使用直径比对边尺寸小0.1mm的钻头进行底孔加工。

※ Please use a drill bit with a diameter 0.1mm smaller than the side size for bottom hole processing.

四角孔用

4 Corner holes



刀片型号 Insert model	加工基准对边 Machining reference opposite side AF(mm)	加工可能对边 Machining may be opposite sides AF(mm)	Ds (mm)	L1 (mm)	L2 (mm)	h1 (mm)	a (mm)	β (mm)	f (mm)	PVD涂层微粒子硬质合金 PVD coated particles Cemented carbide	编码 Encoded
										ZP160	
SPH 020N 1740S	2.0	2.0-2.3	∅2.0	50	4.0	1.8	1.70	1.6	0.70	●	
025N 1940S	2.5	2.3-2.6	∅2.5	50	4.0	2.3	1.95	1.80	0.65	●	
030N 2260S	3.0	2.6-3.0	∅3.0	50	6.0	2.8	2.20	2.05	0.65	●	
035N 2760S	3.5	2.9-3.7	∅3.5	60	6.0	3.3	2.70	2.25	0.60	●	
040N 3380S	4.0	3.7-4.5	∅4.0	60	8.0	3.8	3.35	3.05	1.15	●	
050N 39100S	5.0	4.5-5.3	∅5.0	70	10.0	4.8	3.90	3.95	1.55	●	
060N 47120S	6.0	5.3-6.5	∅6.0	80	12.0	5.6	4.75	4.50	1.70	●	
080N 58160S	8.0	6.5-8.0	∅8.0	80	16.0	7.6	5.80	5.50	1.70	●	

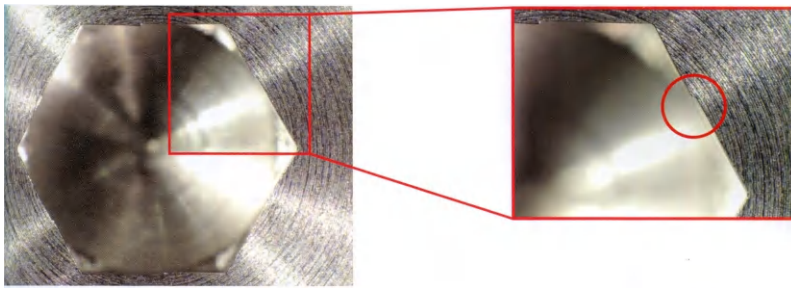
※请使用直径比对边尺寸小0.1mm的钻头进行底孔加工。

※ Please use a drill bit with a diameter 0.1mm smaller than the side size for bottom hole processing.

问题解答

Q&A

■ 问题：边角上有台阶 Problem: There are steps on the corners

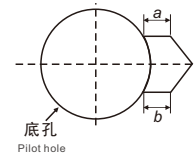


原因：错误的刀具（中心线偏移）

对策：加工一个角并确保[a]和[b]两者的长度相同，有必要的的话旋转套筒。

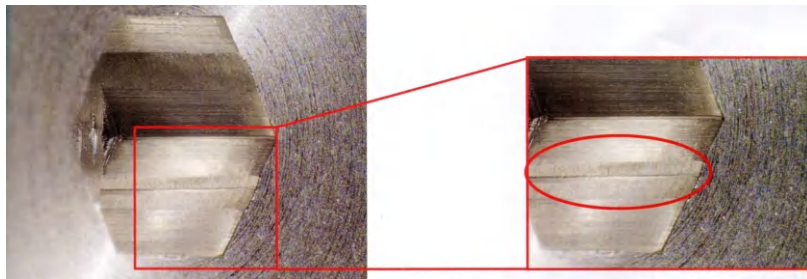
Cause: Wrong tool (centerline offset)

Countermeasures: Machining a corner and ensuring that both [a] and [b] have the same length, Rotate the sleeve if necessary.



■ 问题：加工壁上产生凹痕 Problem: Dents on the processing wall

Problem: Dents on the processing wall



原因：导向孔残留。

对策：需要导向孔工具弥补。

Cause: Pilot hole remains.

Countermeasures: Guide hole tools are needed to compensate.

■ 问题：加工壁上产生锥度 Problem: Tapering occurs on the processing wall

对策：小切深切削

减少工具突出部分

Countermeasures: Small depth cutting

Reduce tool protrusions

■ 问题：夹头脱落/刀片崩碎 Problem: collet falls off/insert breaks

对策：进给速度设置3000mm/min (120IMP)

减少切深

Countermeasures: Set the feed speed to 3000mm/min (120IMP)

Reduce cutting depth

车削刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
成型

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

车花滚花刀具系列 Car flower knurling cutter series

车削刀柄

CSV
凸轮车床刀具

DS
刀柄

正面排刀

Y轴刀柄

前车削

后车削

小径切槽切断螺纹

小孔加工

滚花成型

焊接车刀夹头

外圆车削

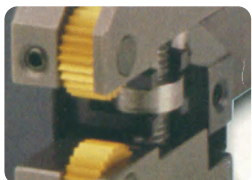
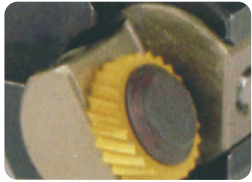
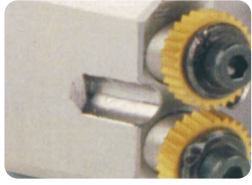
内孔车削

螺纹车削

切槽切断

端面切槽

阻尼模组



Smooth Aillde Tooth Angle角度 90°										库存	订购 编码 Order Number	Price (RMB)
Series Size 尺寸	Pitch 牙距	AA	BL 30	BR 30	BL 45	BR 45	GE 30	GV 30	GE 45			
"MB"系列 外径:10mm 厚度:3mm 孔径:4mm 材料:Hi-Co	直纹	直纹	左斜纹	右斜纹	左斜纹	右斜纹	凸网纹	凹网纹	凸网纹	凹网纹		
	0.3mm	MBSX0.3	---	---	MBCX0.3	MBDX0.3	---	---	---	MBGX0.3	●	208100
	0.4mm	MBSX0.4	---	---	MBCX0.4	MBDX0.4	---	---	---	MBGX0.4	●	208102
	0.5mm	MBSX0.5	---	---	MBCX0.5	MBDX0.5	---	---	---	MBGX0.5	●	208104
	0.6mm	MBSX0.6	---	---	MBCX0.6	MBDX0.6	---	---	---	MBGX0.6	●	208106
	0.7mm	MBSX0.7	---	---	MBCX0.7	MBDX0.7	---	---	---	MBGX0.7	●	208108
	0.8mm	MBSX0.8	---	---	MBCX0.8	MBDX0.8	---	---	---	MBGX0.8	●	208110
	0.9mm	MBSX0.9	---	---	MBCX0.9	MBDX0.9	---	---	---	MBGX0.9	●	208112
	1.0mm	MBSX1.0	---	---	MBCX1.0	MBDX1.0	---	---	---	MBGX1.0	●	208114
	0.2mm	MMS-0.2									●	208116
"MM"系列 外径:10mm 厚度:4mm 孔径:4mm	0.3mm	MMS-0.3	MML-0.3	MMR-0.3	MMC-0.3	MMD-0.3	---	---	---	MMG-0.3	●	208118
	0.4mm	MMS-0.4	MML-0.4	MMR-0.4	MMC-0.4	MMD-0.4	---	---	---	MMG-0.4	●	208120
	0.5mm	MMS-0.5	MML-0.5	MMR-0.5	MMC-0.5	MMD-0.5	---	MMF-0.5	---	MMG-0.5	●	208122
	0.6mm	MMS-0.6	MML-0.6	MMR-0.6	MMC-0.6	MMD-0.6	---	MMF-0.6	---	MMG-0.6	●	208124
	0.7mm	MMS-0.7	MML-0.7	MMR-0.7	MMC-0.7	MMD-0.7	---	MMF-0.7	MMN-0.7	MMG-0.7	●	208126
	0.8mm	MMS-0.8	MML-0.8	MMR-0.8	MMC-0.8	MMD-0.8	---	---	---	MMG-0.8	●	208128
	0.9mm	MMS-0.9	---	---	MMC-0.9	MMD-0.9	---	---	MMN-0.9	MMG-0.9	●	208130
	1.0mm	MMS-1.0	MML-1.0	MMR-1.0	MMC-1.0	MMD-1.0	---	---	---	MMG-1.0	●	208132
	1.1mm	---	---	---	---	---	---	---	---	---	●	208134
	1.2mm	MMS-1.2	MML-1.2	MMR-1.2	MMC-1.2	MMD-1.2	---	---	---	---	●	208136
"MN"系列 外径:10mm 厚度:4mm 孔径:4mm	0.3mm	MNS-0.3	MNL-0.3	MNR-0.3	MNC-0.3	MND-0.3	---	---	---	MNG-0.3	●	208138
	0.4mm	MNS-0.4	MNL-0.4	MNR-0.4	MNC-0.4	MND-0.4	---	---	---	MNG-0.4	●	208140
	0.5mm	MNS-0.5	MNL-0.5	MNR-0.5	MNC-0.5	MND-0.5	---	---	---	MNG-0.5	●	208142
	0.6mm	MNS-0.6	MNL-0.6	MNR-0.6	MNC-0.6	MND-0.6	---	---	---	MNG-0.6	●	208144
	0.7mm	MNS-0.7	MNL-0.7	MNR-0.7	MNC-0.7	MND-0.7	---	---	---	MNG-0.7	●	208146
	0.8mm	MNS-0.8	MNL-0.8	MNR-0.8	MNC-0.8	MND-0.8	---	---	---	MNG-0.8	●	208148
	0.9mm	MNS-0.9	MNL-0.9	MNR-0.9	MNC-0.9	MND-0.9	---	---	---	MNG-0.9	●	208150
	1.0mm	MNS-1.0	MNL-1.0	MNR-1.0	MNC-1.0	MND-1.0	---	---	---	MNG-1.0	●	208152
	1.2mm	MNS-1.2	MNL-1.2	MNR-1.2	MNC-1.2	MND-1.2	---	---	---	MNG-1.2	●	208154
	1.5mm	MNS-1.5	MNL-1.5	MNR-1.5	MNC-1.5	MND-1.5	---	---	---	---	●	208156
"MQ"系列 外径:15mm 厚度:6mm 孔径:4mm	0.3mm	MQS-0.3	MQL-0.3	MQR-0.3	MQC-0.3	MQD-0.3	MQM-0.3	MQF-0.3	---	MQG-0.3	●	208158
	0.4mm	MQS-0.4	MQL-0.4	MQR-0.4	MQC-0.4	MQD-0.4	---	MQF-0.4	---	MQG-0.4	●	208160
	0.5mm	MQS-0.5	MQL-0.5	MQR-0.5	MQC-0.5	MQD-0.5	MQM-0.5	MQF-0.5	MQN-0.5	MQG-0.5	●	208162
	0.6mm	MQS-0.6	MQL-0.6	MQR-0.6	MQC-0.6	MQD-0.6	MQM-0.6	MQF-0.6	MQN-0.6	MQG-0.6	●	208164
	0.7mm	MQS-0.7	MQL-0.7	MQR-0.7	MQC-0.7	MQD-0.7	---	---	---	MQG-0.7	●	208166
	0.8mm	MQS-0.8	MQL-0.8	MQR-0.8	MQC-0.8	MQD-0.8	---	MQF-0.8	MQN-0.8	MQG-0.8	●	208168
	0.9mm	MQS-0.9	---	---	MQC-0.9	MQD-0.9	---	---	---	MQG-0.9	●	208170
	1.0mm	MQS-1.0	MQL-1.0	MQR-1.0	MQC-1.0	MQD-1.0	---	MQF-1.0	MQN-1.0	MQG-1.0	●	208172
	1.2mm	MQS-1.2	MQL-1.2	MQR-1.2	MQC-1.2	MQD-1.2	---	MQF-1.2	MQN-1.2	MQG-1.2	●	208174
	1.5mm	MQS-1.5	MQL-1.5	MQR-1.5	MQC-1.5	MQD-1.5	---	---	---	---	●	208176



Smooth Ailide Tooth Angle角度 90°											库存	订购 编码 Order Number	Price (RMB)
	Series Size 尺寸	Pitch 牙距	AA 直纹	BL 30 左斜纹	BR 30 右斜纹	BL 45 左斜纹	BR 45 右斜纹	GE 30 凸网纹	GV 30 凹网纹	GE 45 凸网纹			
"MR"系列 外径: 20mm 厚度: 6mm 孔径: 6mm	0.4mm	MRS-0.4	MRL-0.4	MRR-0.4	---	---	---	---	---	---	●	208500	
	0.5mm	MRS-0.5	MRL-0.5	MRR-0.5	---	---	---	---	---	---	●	208502	
	0.6mm	MRS-0.6	MRL-0.6	MRR-0.6	---	---	---	---	---	---	●	208504	
	0.7mm	MRS-0.7	---	---	---	---	---	---	---	---	●	208506	
	0.8mm	MRS-0.8	MRL-0.8	MRR-0.8	---	---	---	---	---	---	●	208508	
	0.9mm	MRS-0.9	---	---	---	---	---	---	---	---	●	208510	
	1.0mm	MRS-1.0	MRL-1.0	MRR-1.0	---	---	---	---	---	---	●	208512	
	1.1mm	MRS-1.1	---	---	---	---	---	---	---	---	●	208514	
	1.2mm	MRS-1.2	MRL-1.2	MRR-1.2	---	---	---	---	---	---	●	208516	
	1.3mm	MRS-1.3	---	---	---	---	---	---	---	---	●	208518	
	1.4mm	MRS-1.4	---	---	---	---	---	---	---	---	●	208520	
	1.5mm	MRS-1.5	MRL-1.5	MRR-1.5	---	---	---	---	---	---	●	208522	
2.0mm	MRS-2.0	MRL-2.0	MRR-2.0	---	---	---	---	---	---	●	208524		
"MS"系列 外径: 20mm 厚度: 8mm 孔径: 6mm	0.2mm	MMS-0.2	---	---	---	---	---	---	---	---	●	208526	
	0.3mm	MMS-0.3	---	---	---	---	---	MSF-0.3	---	---	●	208528	
	0.4mm	---	---	---	---	---	---	MSF-0.4	---	---	●	208530	
	0.5mm	MSS-0.5	MSL-0.5	MSR-0.5	---	---	MSM-0.5	MSF-0.5	---	MSG-0.5	●	208532	
	0.6mm	MSS-0.6	MSL-0.6	MSR-0.6	---	---	MSM-0.6	MSF-0.6	---	MSG-0.6	●	208534	
	0.7mm	MSS-0.7	---	---	---	---	---	---	---	MSG-0.7	●	208536	
	0.8mm	MSS-0.8	MSL-0.8	MSR-0.8	---	---	MSM-0.8	MSF-0.8	---	MSG-0.8	●	208538	
	1.0mm	MSS-0.9	MSL-1.0	MSR-1.0	---	---	MSM-1.0	MSF-1.0	---	---	●	208540	
	1.2mm	MSS-1.0	MSL-1.2	MSR-1.2	---	---	MSM-1.2	MSF-1.2	---	---	●	208542	
	1.5mm	MSS-1.2	MSL-1.5	MSR-1.5	---	---	MSM-1.5	MSF-1.5	---	---	●	208544	
2.0mm	MSS-2.0	---	---	---	---	---	---	---	---	●	208546		
"MU"系列 外径: 20mm 厚度: 10mm 孔径: 6mm 材料: Hi-Co	0.3mm	---	---	---	---	---	---	MUFX0.3	---	MUGX0.3	●	208548	
	0.4mm	MUS-0.4	---	---	---	---	---	MUFX0.4	---	MUGX0.4	●	208550	
	0.5mm	MUS-0.5	---	---	---	---	---	MUFX0.5	MUNX0.5	MUGX0.5	●	208552	
	0.6mm	MUS-0.6	---	---	---	---	---	MUFX0.6	---	MUGX0.6	●	208554	
	0.7mm	MUS-0.7	---	---	---	---	---	MUFX0.7	---	MUGX0.7	●	208556	
	0.8mm	MUS-0.8	MULX0.8	MURX0.8	MUCX0.8	MUDX0.8	---	MUFX0.8	MUNX0.8	MUGX0.8	●	208558	
	0.9mm	---	---	---	---	---	---	MUFX0.9	---	MUGX0.9	●	208560	
	1.0mm	MUS-1.0	MULX1.0	MURX1.0	MUCX1.0	MUDX1.0	MUMX1.0	MUFX1.0	MUNX1.0	MUGX1.0	●	208562	
	1.2mm	MUS-1.2	---	---	---	---	MUMX1.2	---	---	MUGX1.2	●	208564	
	1.5mm	MUS-1.5	---	---	---	---	MUMX1.5	---	MUNX1.5	MUGX1.5	●	208566	
2.0mm	MUS-2.0	MULX2.0	MURX2.0	---	---	---	---	---	MUGX2.0	●	208568		
"MW"系列 外径: 25mm 厚度: 8mm 孔径: 6mm	0.5mm	MWS-0.5	MWL-0.5	MWR-0.5	---	---	---	---	---	---	●	208570	
	0.6mm	MWS-0.6	MWL-0.6	MWR-0.6	---	---	---	---	---	---	●	208572	
	0.8mm	MWS-0.8	MWL-0.8	MWR-0.8	---	---	---	---	---	---	●	208574	
	1.0mm	MWS-1.0	MWL-1.0	MWR-1.0	---	---	---	---	---	---	●	208576	
	1.2mm	MWS-1.2	MWL-1.2	MWR-1.2	---	---	---	---	---	---	●	208578	
	1.5mm	MWS-1.5	MWL-1.5	MWR-1.5	---	---	---	---	---	---	●	208580	
	1.6mm	MWS-1.6	MWL-1.6	MWR-1.6	---	---	---	---	---	---	●	208582	
2.0mm	MWS-2.0	---	---	---	---	---	---	---	---	●	208584		

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
成型

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
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切槽
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端面
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阻尼
模组

车削刀柄
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Y轴
刀柄

前车削

后车削

小径切槽
切断螺纹

小孔加工

滚花成型

焊接车刀
车刀夹头

外圆车削

内孔车削

螺纹车削

切槽切断

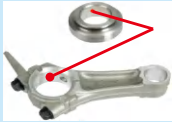
端面切槽

阻尼模组

MZ-TK 通孔型 MZ-TK Through-hole type



加工例
缸体, 电机定子
连杆等
PROCESSING
Cylinder,
Electrical motor stator,
and connecting rod.



加工部
Processing part

MZ-MK 盲孔型 MZ-MK Blind-hole type



加工例
制动缸体
轴承配合孔
活塞泵等
PROCESSING
Braking cylinder,
bearing mating hole,
and piston pump.



加工部
Processing part
油泵零件
Oil pump
components

MZ-TK 通孔型 MZ-TK Through-hole type



加工例
缸体, 电机定子
连杆等
PROCESSING
Cylinder,
Electrical motor stator,
and connecting rod.

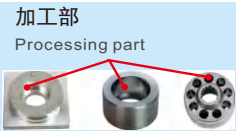


加工部
Processing part

MZ-TK 通孔型 MZ-TK Through-hole type



加工例
制动缸体
轴承配合孔
活塞泵等
PROCESSING
Braking cylinder,
bearing mating hole,
and piston pump.



加工部
Processing part
油泵零件
Oil pump
components

MZ-MK 盲孔型 MZ-MK Blind-hole type



加工例
缸体, 电机定子
连杆等
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加工部
Processing part

MZ-TK 通孔型 MZ-TK Through-hole type



加工例
制动缸体
轴承配合孔
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PROCESSING
Braking cylinder,
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加工部
Processing part
油泵零件
Oil pump
components

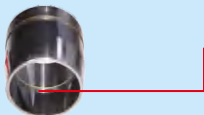
新型镜面滚压工具 New Mirror-Surface Rolling Tool

主要针对零部件外锥面和内锥面的镜面加工 Processing Of Mirror Surface Of Outer Cone And Inner Cone Of Part

MZ-TK 通孔型 MZ-TK Through-hole type



加工例
缸体, 电机定子
连杆等
PROCESSING
Cylinder,
Electrical motor stator,
and connecting rod.



加工部
Processing part

MZ-TK 盲孔型 MZ-MK Blind-hole type



滚针呈倾斜装置, 可实现深孔
的自动进给、加工孔径、孔深
须订做。
Rolling polishing tool for internal prick.
It may be applied for prick with minimum
diameter of $\Phi 3.0\text{mm}$. Prick and length is
in accordance with client requirements



加工部
Processing part

加工参数 H-WT型 MZ-WJ型 加工径 $\Phi 3\sim 100\text{mm}$ 为标准规格 Machining H-WT MZ-WJ machining diameter $\Phi 3\sim 100\text{mm}$ as standard specifications

工具型号 Tool model	MZ-WT	MZ-WT	MZ-WT	MZ-WT	MZ-WT	MZ-WT	Order Number
	MZ-WJ	MZ-WJ	MZ-WJ	MZ-WJ	MZ-WJ	MZ-WJ	
工件直径 (mm) Workpiece diameter (mm)	3~9	10~19	20~29	30~49	50~69	70~100	
预留滚压量 (mm) Reserved rolling amount (mm)	0.003~0.020 根据工件表面波峰高度 (粗糙度) 及硬度而定					0.003~0.020 depending on the height (roughness) and hardness of the workpiece surface wave crest	
转速 (r/min) Speed (r/min)	1200~900	900~700	700~500	600~400	400~200	200~80	
进给速度 (mm/rev) Feed rate (mm/rev)	0.1~0.2	0.15~0.25	0.2~0.3	0.4~0.5	0.6~0.7	1.0~1.5	

注: ① MZ-WT 外径台阶型加工长度需订制;
② 对于台阶轴有 0.5mm 不能加工到底部;
③ 滚压时冷却润滑油必须充分;
④ 工具微调范围 0.3~0.4mm;
⑤ 工具型号在 MZ-WT、MZ-WJ 后面加上工件直径;

Note: ① The processing length of MZ-WT outer diameter step type needs to be customized;
② For step axes with a thickness of 0.5mm, they cannot be machined to the bottom;
③ Cooling lubricating oil must be sufficient during rolling;
④ Tool fine adjustment range 0.3~0.4mm;
⑤ Add the workpiece diameter after MZ-WT and MZ-WJ for the tool model;

锥度型滚压工具

Cone-Based Rolling Tool

主要针对零部件外锥面和内锥面的镜面加工

Processing Of Mirror Surface Of Outer Cone And Inner Cone Of Part

MZ-NZ内锥型

MZ-NZ Internal prick type



内锥用滚光工具可加工锥面最小径为Φ3.0mm，锥度、长度需按客户要求制作。

Rolling polishing tool for internal prick. It may be applied for prick with minimum diameter of Φ3.0mm. Prick and length is in accordance with client requirements.



加工部
Processing part

MZ-WZ外锥型

MZ-WZ External prick type



管接头、阀门、石油机械、管接头密封面等。
Pipe joints, valves, patrol machines, and sealed surface.

外锥用滚光工具可加工锥面最小径为Φ2mm，锥度、长度需按客户要求制作。

Rolling polishing tool for external prick. It may be applied for prick with minimum diameter of Φ2mm. Prick and length is in accordance with client requirements.

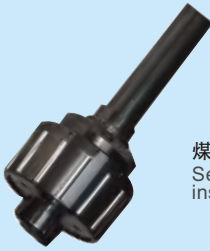
加工部
Processing part



连接头
Connecting ends

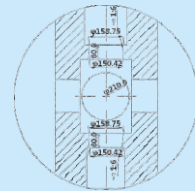
MZ-NZ内锥型

MZ-NZ Internal prick type



煤气阀门的密封面，石油机械、管接头密封面、装配法兰等。
Sealed surface of gas valve, patrol machines, and installation flange.

加工部
Processing part



石油机械配件
Patrol machinery components

锥度型滚压工具

Cone-Based Rolling Tool

主要针对零部件外锥面和内锥面的镜面加工

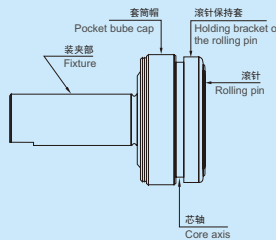
Processing Of Mirror Surface Of Outer Cone And Inner Cone Of Part

MZ-NZ内锥型

MZ-NZ Internal prick type



外形尺寸图 Cosmetic Size



加工方法

平面滚光工具与立铣加工方式相同，横向移动加工，无加工宽度限制，工具须装夹在铣床上使用。

Processing Methods

The flat rolling tool is processed in the same way as end milling, with lateral movement and there is no machining width limit, and the tool must be clamped on the milling machine for use.

加工方法

变速箱零件的配合面、压缩机零件的平面、轴端面等。

Processing Methods

Matching surfaces of gearbox parts, flat surfaces of compressor parts, and shaft ends. Noodles, etc.



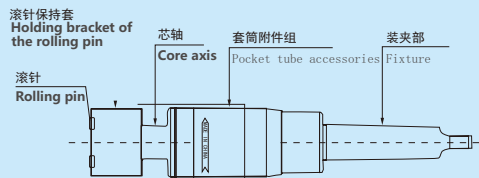
加工部
Processing part

MZ-NZ内锥型

MZ-NZ Internal prick type



外形尺寸图 Cosmetic Size



车削
车刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
成型

焊接
车刀
夹头

外圆
车削

内孔
车削

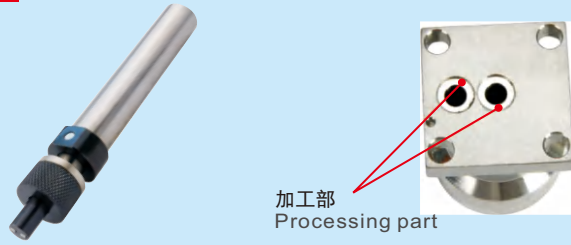
螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

MZ-NZ内锥型 MZ-NZ Internal prick type



加工方法

MZ-PD圆形平端面用滚光工具适合密封面，联轴法兰平面等，可加工的最小直径为Φ2mm。

Processing Methods

MZ-PD circular flat end face rolling tool is suitable for sealing surfaces The minimum diameter that can be machined is Φ2mm.

加工方法

联轴节法兰面、离合器零件、半导体阀等。

Processing Methods

Coupling flange surface, clutch parts, semiconductor valves, etc.

车削
刀具

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
成型

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

钻石型滚压工具

Diamond type rolling tool

主要针对HRC35°~70°工件的外径、内孔加工

Mainly aimed at processing the outer diameter and inner hole of HRC35 °~70 ° workpieces

MZ-ZS-Y 钻石滚压型 (外) MZ-ZS-Y Diamond rolling type (external)



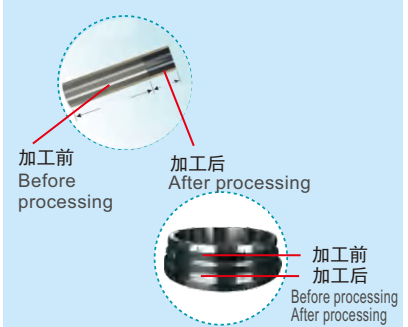
备注

此工具采用天然工业特级钻石作为刀头，对高硬度金属表面进行镜面滚压。
1. 内装有可调节荷载弹簧；
2. 润滑油充分，工件必须先旋转，钻石方可接触加工；
3. 装夹工件时尽可能减少跳动；

Note

This tool using natural industrial superdiamond as segment,high hardness on the surface of metal mirror rolling.

1.Equipped with adjustable load in spring;
2.Lubricant full, workpiece must first rotating,diamond can contact processing;
3.Clamping work-piece as possible to reduce to beat;



MZ-ZS-L 钻石滚压型 (内) MZ-ZS-L Diamond rolling type (internal)

套筒式安装 Sleeve installation



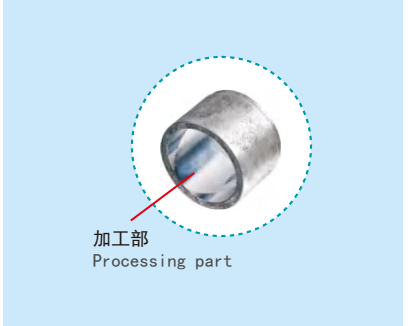
备注

此工具采用天然工业特级钻石作为刀头，对高硬度金属表面进行镜面滚压。
1. 内装有可调节荷载弹簧；
2. 润滑油充分，工件必须先旋转，钻石方可接触加工；
3. 装夹工件时尽可能减少跳动；

Note

This tool using natural industrial superdiamond as segment,high hardness on the surface of metal mirror rolling.

1.Equipped with adjustable load in spring;
2.Lubricant full, workpiece must first rotating,diamond can contact processing;
3.Clamping work-piece as possible to reduce to beat;



MZ-ZS-L(BT) 高速钻石滚压型 (内) MZ-ZS-L(BT) Diamond rolling type (internal)

高速精镗 High speed precision boring



备注

此工具采用天然工业特级钻石作为刀头，对高硬度金属表面进行镜面滚压。
1. 内装有可调节荷载弹簧；
2. 润滑油充分，工件必须先旋转，钻石方可接触加工；
3. 装夹工件时尽可能减少跳动；

Note

This tool using natural industrial superdiamond as segment,high hardness on the surface of metal mirror rolling.

1.Equipped with adjustable load in spring;
2.Lubricant full, workpiece must first rotating,diamond can contact processing;
3.Clamping work-piece as possible to reduce to beat;



MZ-ZS-K 钻石可调角度型 (内) MZ-ZS-K Diamond rolling type (internal)

套筒式安装 Sleeve installation

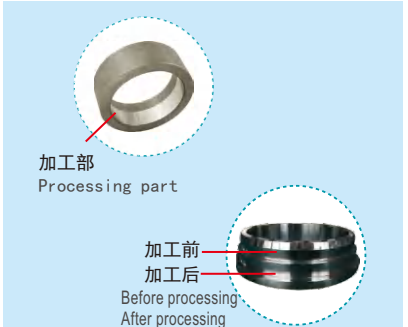


备注

此工具采用天然工业特级钻石作为刀头，对高硬度金属表面进行镜面滚压。
1. 内装有可调节荷载弹簧；
2. 润滑油充分，工件必须先旋转，钻石方可接触加工；
3. 装夹工件时尽可能减少跳动；
4. 通过调整刀头角度，可以挤压斜面、R面、端面、外圆面、内圆面等。

Note

This tool using natural industrial superdiamond as segment,high hardness on the surface of metal mirror rolling.
1.Equipped with adjustable load in spring;
2.Lubricant full, workpiece must first rotating,diamond can contact processing;
3.Clamping work-piece as possible to reduce to beat;
4. By adjusting the angle of the cutting head, it is possible to extrude the inclined plane, R-plane, end face, outer circular plane, inner circular plane, etc.



旋削工具 机床 Rotary cutting tools

MZ-XX-08



MZ-XX-16(32)



产品性能及特点

1. 无须制作冲头、电极等工装、减少辅助成本
2. 车工一道加工、减少工序与加工时间
3. 质量稳定、效率大大提高、通用性强。
4. 使用该工具,可根据用户的需要能方便地加工出内四方、内六方等多边形内孔,只需要30秒钟完成。
5. 适用于硬度为加工工件硬度 HRC30° 以下各类材料零件的加工。

Product performance and characteristics

1. No need to make tooling such as punches and electrodes, reducing auxiliary costs
2. Turning workers work together to reduce processes and processing time
3. Stable quality, greatly improved efficiency, and strong universality.
4. With this tool, it is convenient to machine polygonal inner holes such as inner square and inner hexagonal according to user needs, which can be completed in just 30 seconds.
5. Suitable for the processing of various materials and parts with a hardness of HRC30° or below.

加工部
Processing part



冲内齿型
Punch outer tooth profile



冲外齿型
Punch outer tooth profile



定制型
Customized



升级型
Upgraded

使用方法

(一) 注意事项

1. 选择合适的工具,将工具装夹在设备的尾座或主轴上。
2. 为保证加工精度,必须使本工具同工件轴心中心吻合。
3. 本工具工作时可以是工具旋转,也可以是零件旋转,主轴右转。
4. 为提高工具使用寿命,工作时请用冷却液或切削油冷却。

(1) Precautions

1. Choose a suitable tool and clamp it onto the tail seat or spindle of the equipment.
2. To ensure machining accuracy, it is necessary to ensure that this tool matches the center of the workpiece axis.
3. When this tool is working, it can rotate the tool or the parts, with the spindle turning to the right.
4. To improve the service life of the tool, please use coolant or cutting oil for cooling during operation.

(二) 冲削前孔加工尺寸

1. 钻孔直径 $D \geq$ 刀刃对边(或内切圆)尺寸。
2. 孔口倒角 90 度,且倒角孔口直径大于刀刃对边。起导向作用。
3. 钻孔深度 $H_2 \geq 1.5 \times$ 冲削有效深度 (H)。

(2) Machining dimensions of pre punching holes

1. The drilling diameter $D \geq$ the size of the opposite edge (or inner cutting circle) of the blade.
2. Chamfer the orifice by 90 degrees, and the diameter of the chamfered orifice is greater than the opposite edge of the blade. Play a guiding role.
3. Drilling depth $H_2 \geq 1.5 \times$ Effective depth of punching (H).

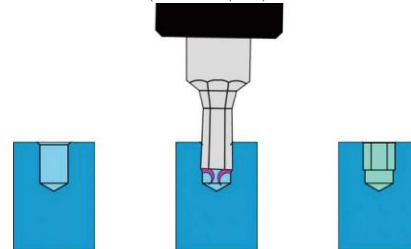
(三) 推荐工作参数

1. 转速: 300 — 2000 转分, 旋转冲削刀具的原理允许高速使用,但在高速使用时应该注意(如加工中心),工具同工件刚接触时使用较慢转速或静止状态下使冲头慢慢接触工件,直到冲头同工件进入工作状态时增加转速。
2. 进给量: 0.02 — 0.1mm/转,铜铝件进给量可适当加大 2 — 3 倍。
3. 冲削深度: $\leq 1.5 \times$ 刀刃对边宽。

(3) Recommended working parameters

1. Speed: 300-2000 RPM. The principle of rotating punching tools allows for high-speed use, but attention should be paid when using them at high speeds (such as machining centers). When the tool first comes into contact with the workpiece, use a slower speed or rest. Slowly contact the punch with the workpiece in the working state until the punch and workpiece enter the working state and increase the speed.
2. Feed rate: 0.02-0.1mm/revolution, the feed rate for copper and aluminum parts can be appropriately increased by 2-3 times.
3. Punching depth: $\leq 1.5 \times$ The blade is wide across the edges.

加工原理图 (外齿型)
Processing principle diagram
(external tooth profile)



车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
成型

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

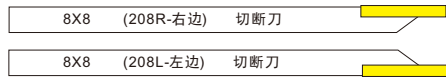
MZG自动焊接车刀 MZG Automatic Welding Turning Tool

车削刀柄



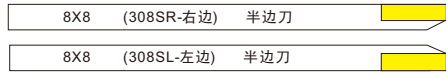
钨钢尺寸: 3X3X22X5R
4X4X22X5R
15型/20型自动车床专用刀柄为8X8X150mm

CSV
凸轮
车床
刀具



钨钢尺寸: 1.5X3X22X5R 2X3X22X5R
2.5X3X22X5R 3X3X22X5R
15型/20型自动车床专用刀柄为8X8X150mm

DS
刀柄



钨钢尺寸: 3X5X18X5R
15型/20型自动车床专用刀柄为8X8X150mm

正面
排刀



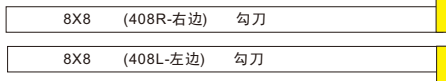
钨钢尺寸: 3X6X18X5R
15型/20型自动车床专用刀柄为8X8X150mm

Y轴
刀柄



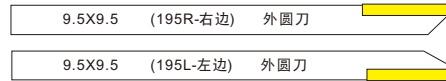
钨钢尺寸: 3X8X18
15型/20型自动车床专用刀柄为8X8X150mm

前
车削



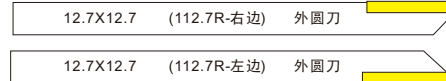
钨钢尺寸: 3X3X18X5R
4X4X22X5R
15型/20型自动车床专用刀柄为8X8X150mm

后
车削



钨钢尺寸: 3X3X18X5R
4X4X22X5R
25型自动车床专用刀柄为9.5X9.5X150mm

小径
切槽
切断
螺纹



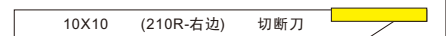
钨钢尺寸: 3X3X18X5R
4X4X22X5R
25型自动车床专用刀柄为9.5X9.5X150mm

小孔
加工



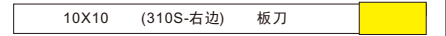
钨钢尺寸: 3X3X22X5R
4X4X22X5R

滚花
成型



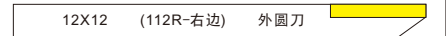
钨钢尺寸: 3X3X22X5R 2.5X3X22X5R 3X3X22X5R

焊接
车刀
夹头

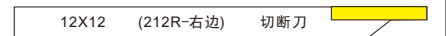


钨钢尺寸: 3X10X18

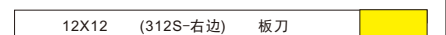
外圆
车削



钨钢尺寸: 3X3X22X5R 4X4X22X5R

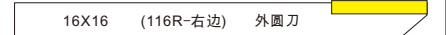


钨钢尺寸: 2X3X22X5R 2.5X3X22X5R 3X3X22X5R

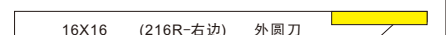


钨钢尺寸: 3X12X18

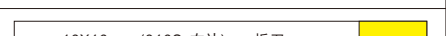
内孔
车削



钨钢尺寸: 3X3X22X5R 4X4X22X5R

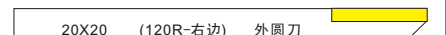


钨钢尺寸: 2.5X3X22X5R 3X3X22X5R 4X4X22X5R



钨钢尺寸: 3X16X18

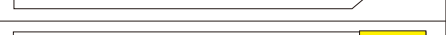
螺纹
车削



钨钢尺寸: 3X3X22X5R
4X4X22X5R



钨钢尺寸: 2.5X3X22X5R 3X3X22X5R 4X4X22X5R



钨钢尺寸: 3X20X18

端面
切槽

常用材质表

钨钢材质	性能			加工范围
	密度 Density G/cm3	硬度 Hardness HRA	抗弯强度 TRS N/mm2	
UF20	14.2	91.5	2500	超微粒合金, 通用性广, 适合加工快削铁, 有色金属, 中碳钢, 不锈钢等材质.
K10	13.5	92.5	1850	超微粒合金, 适合加工快削铁, 有色金属, 中碳钢, 不锈钢等材质.
K01	14.5	93	1620	超微粒合金, 适合加工环保型快削铁, 淬火钢, 有色金属, 中碳钢, 不锈钢等材质.

阻尼
模组

MZG数控自动车床套筒夹头系列

自动，数控车床系统化
H42C,BC36-BC42，H45C,
F45C,F48C,NK60，BC75

专用件夹具系列



桌上车床，自动车床系列
E25A,E25C(5C),F6125，NC7025



桌上车床，
自动车床系列
1515A,1525F,
2025A,0620F



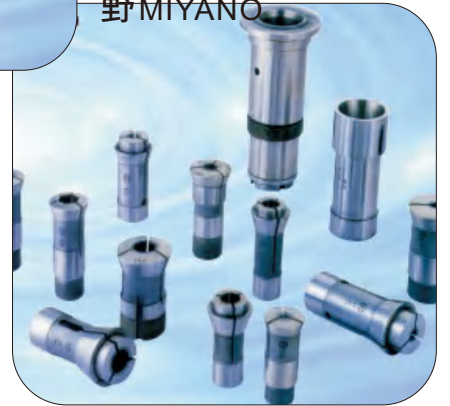
自动车床，
数控车床系列
E3225,A32B,
E32C,F6130，
C6032，B6132



自动车床，数控车床系列
F6135，C6140，
CK6142，M42A,
F42C,M45，F52C



走心机系列导套夹头
野村NOMURA,
王主WANGZHU,
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品牌机床配件
技术援助!!!
非标订制

微型组合机系列



车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
成型

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

车床延长杆 Lathe Extension Chuck



单面有平面

车床延长杆 Lathe Extension Chuck



双面有平面

自动车床夹头 Automatic Lathe Chuck



车床夹头 Lathe Chuck



车削刀柄

CSV 凸轮车床刀具

DS 刀柄

正面排刀

Y轴刀柄

前车削

后车削

小径切槽切断螺纹

小孔加工

滚花成型

焊接车刀夹头

外圆车削

内孔车削

螺纹车削

切槽切断

端面切槽

阻尼模组

规格尺寸 Dimensions	单价 RMB
SL12-ER11A-100-DM	30
SL16-ER16A-100-DM	30
SL16-ER20A-100-DM	30
SL20-ER16A-100-DM	30
SL20-ER20A-100-DM	30
SL20-ER25-100-DM	45
SL25-ER20A-100-DM	35
SL25-ER25-100-DM	45
SL25-ER32-100-DM	35
SL32-ER25-100-DM	45
SL32-ER32-100-DM	65
SL40-ER32-100-DM	80

规格尺寸 Dimensions	单价 RMB
SL12-ER11A-100-SM	35
SL16-ER16A-100-SM	35
SL16-ER20A-100-SM	35
SL20-ER16A-100-SM	35
SL20-ER20A-100-SM	35
SL20-ER25-100-SM	50
SL25-ER20A-100-SM	40
SL25-ER25-100-SM	40
SL25-ER32-100-SM	50
SL32-ER25-100-SM	50
SL32-ER32-100-SM	70
SL40-ER32-100-SM	85

规格	Dimensions			单价 RMB
	B	D	L	
15# 圆孔	26	19	76	22.5
15# 四方/六角	26	19	76	25
15# 内撑夹头	26	19	98	
20# 圆孔	34	25	102	41.5
20# 四方/六角	34	25	102	45
25# 圆孔	39	32	103	58
25# 四方/六角	39	32	103	63
32# 圆孔	49	39	119	86.5
32# 四方/六角	49	39	119	96.5
25# 内牙	49	39	119	
32# 内牙	43	34	83	
钻尾夹 0.5-7.0 (间隔0.1mm)	50	42	96	8.5

规格	Dimensions			单价 RMB
	B	D	L	
C5 攻牙夹头	11	8	31	-
C6 攻牙夹头	13.5	10	36	-
磨刀夹头	28	20	122	-
1113 导套	25	20	58	60
1113 主夹	25	17	64	60
1107 主夹	15	10	47	50
1107 导套	18	15	54	50
Ck1117 合金导套	27	21	75	80
P3 主夹	11	7	26	
P3 导套	10	7	31	
P4 主夹	11	8	26	
P4 导套	15	11	37	
P10 (1053) 导套	20	11	62	65
P10 (1053) 主夹	22	11	52	65
P16 (1653) 导套	26	22	70	80
P16 (1653) 主夹	26	20	68	80



圆孔
Circular Hole



S 四方孔
Square Hole



H 六角孔
Hexagonal Hole

内撑轴头 Lathe Inner Support Fixture



18牙/21牙

规格尺寸 Dimensions	单价 RMB
36# 内撑轴头 (A2-4-36)	467
46# 内撑轴头 (A2-5-46)	516
52# 内撑轴头 (A2-6-52)	783

精密内撑轴头 Lathe Precise Inner Support Fixture



规格尺寸 Dimensions	单价 RMB
36# 精密内撑轴头 (A2-4-36)	750
46# 精密内撑轴头 (A2-5-46)	916
52# 精密内撑轴头 (A2-6-52)	

八爪精密内撑轴头 Lathe 8 Claw Precision Inner Support Fixture



规格尺寸 Dimensions	单价 RMB
36# 八爪精密内撑轴头	1166
46# 八爪精密内撑轴头	1333
52# 八爪精密内撑轴头	

镶合金走心机夹头 Alloy Inlaid Lathe Chuck



规格	Dimensions		圆孔 RMB	四方/六角孔 RMB
	B	L		
斯大12 主夹/背夹	18	67	185	225
斯大12 导套	21	58	185	225
斯大16 主夹/背夹	20	67	190	230
斯大16 导套	22	68	190	230
斯大20 主夹/背夹	26	67	185	225
斯大20 导套	30	59	185	225
斯大25 主夹/背夹	37	92	260	310
斯大25 导套	42	82	260	310
斯大32 主夹/背夹	37	92	365	410
斯大32 导套	42	82	365	410
津上20 主夹	28	77	185	225
津上20 背夹	25	77	185	225
津上20 导套	30	70	185	225
津上26 主夹	33	80	260	310
津上26 背夹	25	80	260	310
津上26 导套	33	70	260	310
西铁城12 主夹/背夹	16	62	185	225
西铁城12 导套	18	60	185	225
西铁城16 主夹/背夹	20	67	190	230
西铁城16 导套	22	68	190	230
西铁城20 主夹/背夹	26	67	185	225
西铁城20 导套	30	59	185	225
西铁城25 主夹/背夹	30	79	260	310
西铁城25 导套	34	87	260	310
西铁城32 主夹/背夹	37	97	365	410
西铁城32 导套	42	82	365	410

车床夹头 Lathe Chuck



规格	Dimensions				单价 RMB
	B	D	L	M	
28# 圆孔	40	49	103	M34x2	-
36# 圆孔	49	59	100	M44x2	71
36# 四方/六角孔	49	59	100	M44x2	92
42# 圆孔	56	64	103	M50x2	92
42# 四方/六角孔	56	64	103	M50x2	117
46# 圆孔	65	74	103	M55x2	80
46# 四方/六角孔	65	74	103	M55x2	107
52# 圆孔	70	79	103	M60x2	139
52# 四方/六角孔	70	79	103	M60x2	175
640# 圆孔	56	70	98	M48x1.5	117
640# 四方/六角孔	56	70	98	M48x1.5	142
禾隆36# 圆孔	56	65	103	M44x2	92
禾隆36# 四方/六角孔	56	65	103	M44x2	117
捷成46# 圆孔	63	74	103	M55x2	92
捷成46# 四方/六角孔	63	74	103	M55x2	117

车床夹头座 Lathe Chuck Seat



规格	Dimensions				单价 RMB	
	D	D1	D2	a°		
28 型 (A2-4-25)	108	40	65	30°	110	300
36 型 (A2-4-36)	108	49	71	30°	113	300
禾隆36 型 (A2-4-56)	108	56	82	30°	115	330
42 型 (A2-5-42)	128	56	82	30°	118	330
46 型 (A2-5-46)	128	65	92	30°	115	330
捷成46 型 (A2-5-63)	128	63	92	30°	115	330
640 型 (A2-5-40)	128	56	92	45°	110	330
52 型 (A2-6-52)	128	70	110	30°	125	630
65 型 (A2-6-65)	158	85	113	30°	125	630
36 转 40 (A2-4-40)	108	56	82	45°	115	330
36 转 42 (A2-4-42)	108	56	82	30°	115	330
36 转 46 (A2-4-46)	108	65	92	30°	125	330
46 转 28 (A2-5-28)	128	40	65	30°	110	330
46 转 36 (A2-5-36)	128	49	74	30°	113	330
52 转 46 (A2-6-46)	128	65	95	30°	118	630

送料料夹 Feeder Chuck



规格	Dimensions		单价 RMB
	D	M	
送料夹15 #9	9	M5x0.75	33
送料夹15 #12	12	M5x0.75	43
送料夹15 #14	14	M5x0.75	45
送料夹20 #15	15	M9x1	45
送料夹20 #18	18	M9x1	53
送料夹20 #20	20	M9x1	60
走心机送料夹20	20	M10x1	75
走心机送料夹25	25	M10x1	85

车床拉料器 Lathe Puller



规格尺寸 Dimensions	单价 RMB
圆柄16/20/25	65
圆柄16/20/25 (镶合金)	100
方柄16/20/25	65
方柄16/20/25 (镶合金)	100

夹持范围: 1.0 - 45mm

送料料夹 Feeder Chuck



规格	Dimensions				单价 RMB
	D	M1	M2	L	
36 夹头拉杆	36	M44x2	M42x1.5	500/510/530/550	97
36 卡盘拉杆	34	M40x1.5	M42x1.5	490/495/500/510	97
43 夹头拉杆	43	M50x2	M50x2	530/550	-
46 夹头拉杆	46	M55x2	M55x2	530/540/550/560/575	105
52 夹头拉杆	52	M60x2	M60x2	580/590/600/610	145
28 夹头拉杆	-	M34x2	M33x1.5	-	-
28 卡盘	-	-	M33x1.5	-	-
36 转 46	-	M55x2	M42x1.5	515	158
46 转 36	36	M44x2	M55x2	530/550	158
46 转 40	41	M48x1.5	M55x2	530	158
46 转 42	43	M50x2	M55x2	530/550	158
52 转 46	46	M55x2	M60x2	600/610/620	208

车削
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前
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小径
切槽
切断
螺纹

小孔
加工

滚花
成型

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

外圆车削工具系统 Turning tool system of outer circle

车削刀柄

CSV 凸轮车削刀具

DS 刀柄

正面排刀

Y轴刀柄

前车削

后车削

小径切槽 切断 螺纹

小孔加工

滚花 车花

焊接车刀 夹头

外圆车削

内孔车削

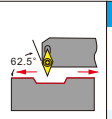
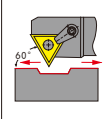
螺纹车削

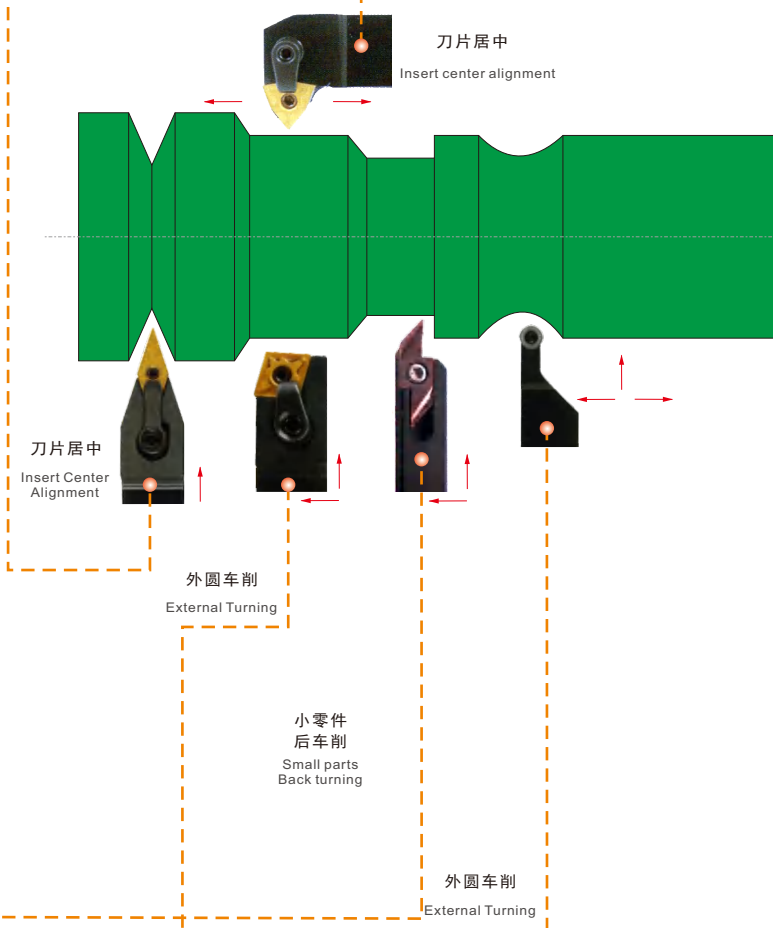
切槽 切断

端面切槽

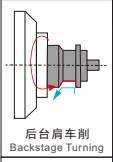
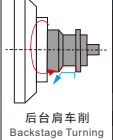
阻尼模组

	MVVNN B27 适用刀片 VN.. 刀柄尺寸 Ø16-Ø32 35°槽及72.5°倒角	DVVNN B27 适用刀片 VN.. 刀柄尺寸 Ø16-Ø32 35°槽及72.5°倒角	EVVNN B27 适用刀片 VN.. 刀柄尺寸 Ø20-Ø32 35°槽及72.5°倒角	SVVBN B44 适用刀片 VB.. 刀柄尺寸 Ø10-Ø32 35°槽及72.5°倒角	SVVCN B46 适用刀片 VC.. 刀柄尺寸 Ø10-Ø32 35°槽及72.5°倒角
	MDPNN B12 适用刀片 DN.. 刀柄尺寸 Ø16-Ø32 55°槽及62.5°倒角	DDPNN B12 适用刀片 DN.. 刀柄尺寸 Ø16-Ø32 55°槽及62.5°倒角	EDPNN B12 适用刀片 DN.. 刀柄尺寸 Ø20-Ø32 55°槽及62.5°倒角	SDNCN B37 适用刀片 DC.. 刀柄尺寸 Ø10-Ø20 55°槽及62.5°倒角	
	MTENN B20 适用刀片 TN.. 刀柄尺寸 Ø16-Ø32 60°槽及60°倒角	WTENN B20 适用刀片 TN.. 刀柄尺寸 Ø20-Ø32 60°槽及60°倒角	ETENN B20 适用刀片 TN.. 刀柄尺寸 Ø20-Ø32 60°槽及60°倒角	STECR B41 适用刀片 TC.. 刀柄尺寸 Ø16-Ø32 60°槽及60°倒角	
	MCMNN-80 B07 适用刀片 CN.. 刀柄尺寸 Ø16-Ø32 80°槽及50°倒角	DCMNN-80 B07 适用刀片 CN.. 刀柄尺寸 Ø16-Ø32 80°槽及50°倒角	ECMNN-80 B07 适用刀片 CN.. 刀柄尺寸 Ø20-Ø32 80°槽及50°倒角	SCMCN-80 B34 适用刀片 CC.. 刀柄尺寸 Ø8-Ø25 80°槽及50°倒角	MWENN B30 适用刀片 WN.. 刀柄尺寸 Ø16-Ø32 80°槽及50°倒角
	MSDNN B15 适用刀片 SN.. 刀柄尺寸 Ø16-Ø40 90°槽及45°倒角	DSDNN B15 适用刀片 SN.. 刀柄尺寸 Ø16-Ø32 90°槽及45°倒角	ESDNN B15 适用刀片 SN.. 刀柄尺寸 Ø20-Ø32 90°槽及45°倒角	SSDCN B38 适用刀片 SC.. 刀柄尺寸 Ø12-Ø25 90°槽及45°倒角	SSSCR B38 适用刀片 SC.. 刀柄尺寸 Ø12-Ø25 90°槽及45°倒角
	MSSNR B18 适用刀片 SN.. 刀柄尺寸 Ø16-Ø40 90°槽及45°倒角	DSSNR B18 适用刀片 SN.. 刀柄尺寸 Ø16-Ø32 90°槽及45°倒角	ESSNR B18 适用刀片 SN.. 刀柄尺寸 Ø20-Ø32 90°槽及45°倒角	MCSNR B08 适用刀片 CN.. 刀柄尺寸 Ø16-Ø32 45°倒角及外圆加工	DCSNR B08 适用刀片 CN.. 刀柄尺寸 Ø20-Ø32 45°倒角及外圆加工
	MCMNN-100 B07 适用刀片 CN.. 刀柄尺寸 Ø16-Ø32 100°槽及40°倒角	DCMNN-100 B07 适用刀片 CN.. 刀柄尺寸 Ø16-Ø32 100°槽及40°倒角	ECMNN-100 B07 适用刀片 CN.. 刀柄尺寸 Ø20-Ø32 100°槽及40°倒角	SCMCN-100 B34 适用刀片 CC.. 刀柄尺寸 Ø10-Ø25 100°槽及40°倒角	

	MWWNR B30 适用刀片 WN.. 刀柄尺寸 Ø16-Ø32 侧面排刀80°槽及外圆	MWWNR-B B30 适用刀片 WN.. 刀柄尺寸 Ø20-Ø25 侧面排刀80°槽及外圆		JSDN3CR AB24 适用刀片 WN.. 刀柄尺寸 Ø12-Ø16 侧面排刀55°槽及外圆
	MTWNR B23 适用刀片 TN.. 刀柄尺寸 Ø16-Ø25 侧面排刀60°槽及外圆	MTWNR-B B23 适用刀片 TN.. 刀柄尺寸 Ø20-Ø25 侧面排刀60°槽及外圆	STWCR B42 适用刀片 TC.. 刀柄尺寸 Ø12-Ø32 侧面排刀60°槽及外圆	



	SRAP(C)R B39 适用刀片 RC/RP.. 刀柄尺寸 Ø16-Ø25 外圆仿形加工		SRDP(C)N B39 适用刀片 RC/RP.. 刀柄尺寸 Ø16-Ø25 外圆仿形加工		SRGP(C)R B40 适用刀片 RC/RP.. 刀柄尺寸 Ø12-Ø25 外圆及台肩退刀槽
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	CSV AB06 适用刀片 CSV.. 刀柄尺寸 Ø7-Ø12 凸轮车削后车削	TBTR AB37 适用刀片 TB32.. 刀柄尺寸 Ø16-Ø12 小零件后车削	CH-GTTL AB15 适用刀片 GTM.. 刀柄尺寸 Ø10-Ø12 小零件后车削	DS-TBPL AB14 适用刀片 TBP.. 刀柄尺寸 Ø19-Ø25 小零件后车削	DS-KTKFL AB14 适用刀片 TKF.. 刀柄尺寸 Ø19-Ø25 小零件后车削	TBVCR AB38 适用刀片 VC.. 刀柄尺寸 Ø10-Ø20 小零件后车削
	SABSR AB34 适用刀片 ABS.. 刀柄尺寸 Ø8-Ø20 小零件后车削	SABSSL AB34 适用刀片 ABS.. 刀柄尺寸 Ø10-Ø25 小零件后车削	TBPR AB36 适用刀片 TBP.. 刀柄尺寸 Ø8-Ø16 小零件后车削	TBPSL AB36 适用刀片 TBP.. 刀柄尺寸 Ø10-Ø20 小零件后车削	KTKFR AB47 适用刀片 TKF.. 刀柄尺寸 Ø10-Ø20 小零件后车削	KTKFSL AB47 适用刀片 TKF.. 刀柄尺寸 Ø10-Ø20 小零件后车削

	MCBNR B05 适用刀片 CN.. 刀柄尺寸 Ø16-Ø40 外圆加工	DCBNR B05 适用刀片 CN.. 刀柄尺寸 Ø16-Ø32 外圆加工	ECBNR B05 适用刀片 CN.. 刀柄尺寸 Ø20-Ø32 外圆加工
	SCBCR B35 适用刀片 CC.. 刀柄尺寸 Ø12-Ø25 外圆加工	MTBNR B19 适用刀片 TN.. 刀柄尺寸 Ø16-Ø25 外圆加工	WTBNR B19 适用刀片 TN.. 刀柄尺寸 Ø16-Ø32 外圆加工
	DSBNR B08 适用刀片 SN.. 刀柄尺寸 Ø20-Ø32 外圆加工	SSBCR B38 适用刀片 SC.. 刀柄尺寸 Ø12-Ø25 外圆加工	MSRNR B14 适用刀片 SN.. 刀柄尺寸 Ø16-Ø40 外圆加工
			ESRNR B14 适用刀片 SN.. 刀柄尺寸 Ø20-Ø32 外圆加工

外圆车削

M D E P 型锁紧外圆车刀 M D E P Type Cylindrical Turning Tool

	CH-SDUCL AB15 适用刀片 DC.. 刀柄尺寸 Ø10-Ø12 侧面排刀外圆及端面	CH-STUCL AB15 适用刀片 TC.. 刀柄尺寸 Ø10-Ø12 侧面排刀外圆及端面	CH-SVUPL AB15 适用刀片 VP.. 刀柄尺寸 Ø10-Ø12 侧面排刀外圆及端面
MVUNR 刀柄尺寸 Ø20-Ø32 侧面排刀外圆及端面	DVUNR 刀柄尺寸 Ø20-Ø32 侧面排刀外圆及端面	SVUBR 刀柄尺寸 Ø12-Ø32 侧面排刀外圆及端面	SVUCR 刀柄尺寸 Ø12-Ø32 侧面排刀外圆及端面
B26	B26	B44	B46

	MCFNR B08 适用刀片 CN.. 刀柄尺寸 Ø16-Ø40 外圆及端面加工	DCFNR B08 适用刀片 CN.. 刀柄尺寸 Ø16-Ø32 外圆及端面加工	ECFNR B08 适用刀片 CN.. 刀柄尺寸 Ø20-Ø32 外圆及端面加工	SCFCR B33 适用刀片 CG.. 刀柄尺寸 Ø12-Ø32 外圆及端面加工	MDFNR B11 适用刀片 DN.. 刀柄尺寸 Ø16-Ø32 外圆及端面加工
SDFCR B36 适用刀片 DC.. 刀柄尺寸 Ø12-Ø20 外圆及端面加工	MTFNR B22 适用刀片 TN.. 刀柄尺寸 Ø16-Ø32 外圆及端面加工	DTFNR B22 适用刀片 TN.. 刀柄尺寸 Ø16-Ø32 外圆及端面加工	ETFNR B22 适用刀片 TN.. 刀柄尺寸 Ø19-Ø32 外圆及端面加工	STFCR B42 适用刀片 TC.. 刀柄尺寸 Ø14-Ø25 外圆及端面加工	

外圆及端面车削
External / End Face Turning

外圆及端面车削
External / End Face Turning

外圆/端面车削
Turning of Outer Circle / End Face

端面车削
End Face Turning

外圆及端面车削
External / End Face Turning

外圆及端面车削
External / End Face Turning

端面车削
End Face Turning

	DS-SVVPN AB12 适用刀片 VP.. 刀柄尺寸 Ø15-Ø25 端面仿形加工
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	CSV AB06 适用刀片 CSV.. 刀柄尺寸 Ø7-Ø12 凸轮车床专用	TFT AB32 适用刀片 TF33.. 刀柄尺寸 Ø10-Ø20 小零件前车削
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	MCGNR B05 适用刀片 CN.. 刀柄尺寸 Ø16-Ø32 外圆及端面加工	DCGNR B06 适用刀片 CN.. 刀柄尺寸 Ø16-Ø32 外圆及端面加工	ECGNR B06 适用刀片 CN.. 刀柄尺寸 Ø20-Ø32 外圆及端面加工	SCGCR B33 适用刀片 CC.. 刀柄尺寸 Ø8-Ø32 外圆及端面加工	MTGNR B21 适用刀片 TN.. 刀柄尺寸 Ø16-Ø32 外圆及端面加工	DTGNR B21 适用刀片 TN.. 刀柄尺寸 Ø16-Ø32 外圆及端面加工	ETGNR B21 适用刀片 TN.. 刀柄尺寸 Ø20-Ø32 外圆及端面加工	STGCR B41 适用刀片 TC.. 刀柄尺寸 Ø8-Ø32 外圆及端面加工		MTJNR B24 适用刀片 TN.. 刀柄尺寸 Ø16-Ø40 外圆及端面加工	WTJNR B24 适用刀片 TN.. 刀柄尺寸 Ø16-Ø32 外圆及端面加工
DTJNR B24 适用刀片 TN.. 刀柄尺寸 Ø20-Ø32 外圆及端面加工	ETJNR B24 适用刀片 TN.. 刀柄尺寸 Ø8-Ø16 外圆及端面加工	MDJNR B05 适用刀片 DN.. 刀柄尺寸 Ø16-Ø32 外圆及端面加工	DDJNR B05 适用刀片 DN.. 刀柄尺寸 Ø20-Ø32 外圆及端面加工	EDJNR B05 适用刀片 DN.. 刀柄尺寸 Ø20-Ø32 外圆及端面加工	SDACR B36 适用刀片 DC.. 刀柄尺寸 Ø8-Ø25 凸轮车床专用	SDJCR B36 适用刀片 DC.. 刀柄尺寸 Ø10-Ø40 外圆及端面加工	SVJBR B43 适用刀片 VB.. 刀柄尺寸 Ø12-Ø32 外圆及端面加工	SVJCR B45 适用刀片 VC.. 刀柄尺寸 Ø12-Ø32 外圆及端面加工	MVJNR B25 适用刀片 VN.. 刀柄尺寸 Ø16-Ø32 外圆及端面加工	DVJNR B25 适用刀片 VN.. 刀柄尺寸 Ø16-Ø32 外圆及端面加工	EVJNR B25 适用刀片 VN.. 刀柄尺寸 Ø20-Ø32 外圆及端面加工
	SCACR B33 适用刀片 CC.. 刀柄尺寸 Ø8-Ø16 凸轮车床专用	SCLCR B34 适用刀片 CC.. 刀柄尺寸 Ø16-Ø32 外圆及端面加工	MCLNR B03 适用刀片 CN.. 刀柄尺寸 Ø16-Ø32 外圆及端面加工	DCLNR B03 适用刀片 CN.. 刀柄尺寸 Ø16-Ø32 外圆及端面加工	ECLNR B03 适用刀片 CN.. 刀柄尺寸 Ø20-Ø32 外圆及端面加工	MWLN B29 适用刀片 WN.. 刀柄尺寸 Ø16-Ø32 外圆及端面加工	DWLN B29 适用刀片 WN.. 刀柄尺寸 Ø16-Ø32 外圆及端面加工	VWLN B29 适用刀片 WN.. 刀柄尺寸 Ø16-Ø32 外圆及端面加工	EWLN B29 适用刀片 WN.. 刀柄尺寸 Ø12-Ø32 外圆及端面加工		
	MTQNR B23 适用刀片 TN.. 刀柄尺寸 Ø16-Ø32 外圆及端面加工	WTQNR B23 适用刀片 TN.. 刀柄尺寸 Ø20-Ø32 外圆及端面加工	ETQNR B23 适用刀片 TN.. 刀柄尺寸 Ø20-Ø32 外圆及端面加工		MVQNR B26 适用刀片 VN.. 刀柄尺寸 Ø16-Ø32 外圆及端面加工	DVQNR B26 适用刀片 VN.. 刀柄尺寸 Ø16-Ø32 外圆及端面加工	EVQNR B26 适用刀片 VN.. 刀柄尺寸 Ø20-Ø32 外圆及端面加工	SVQBR B43 适用刀片 VB.. 刀柄尺寸 Ø12-Ø32 外圆及端面加工	SVQCR B45 适用刀片 VC.. 刀柄尺寸 Ø12-Ø32 外圆及端面加工		
	MDQNR B11 适用刀片 DN.. 刀柄尺寸 Ø16-Ø32 外圆及端面加工	DDQNR B11 适用刀片 DN.. 刀柄尺寸 Ø16-Ø32 外圆及端面加工	EDQNR B11 适用刀片 DN.. 刀柄尺寸 Ø20-Ø32 外圆及端面加工	SDQCR B37 适用刀片 DC.. 刀柄尺寸 Ø10-Ø25 外圆及端面加工							

- 车削刀柄
- CSV 凸轮车床刀具
- DS 刀柄
- 正面排刀
- Y轴刀柄
- 前车削
- 后车削
- 小径切槽切纹螺纹
- 小孔加工
- 滚花车花
- 焊接车刀夹头
- 外圆车削
- 内孔车削
- 螺纹车削
- 切槽切纹
- 端面切槽
- 阻尼模组

车削
刀柄

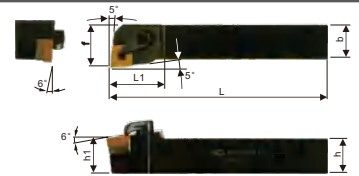
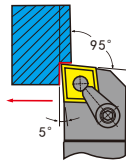
MCLNR



DCLNR



ECLNR



外圆车削
Cylindrical Turning
端面车削
End Face Turning

刀片 (Inserts): A01-A02 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	中心销 Pin	刀垫 Shim	扳手 Wrench	压板螺丝 Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
MCLNR/L 1616H12 2020K12 2525M12 3232P12	16	16	100	32	16	20	CN..1204..	CTM617	MC1204	PL25 PL30	MS625	HL1814	●	●	211200
	20	20	125	32	20	25							●	●	211202
	25	25	150	32	25	32							●	●	211204
	32	32	170	32	32	40							●	●	211206
3232P16 2525M16 4040R16	25	25	150	37	25	32	CN..1606..	CTM822	MC1604	PL30 PL40	MS830	HL2217	●	●	211208
	32	32	170	37	32	40							●	●	211210
	40	40	200	38	40	50							●	●	211213
2525M19 3232P19 4040R19	25	25	150	32	25	32	CN..1906..	CTM1022	MC1904	PL40	MS830	HL2217	●	●	211209
	32	32	170	37	32	40							●	●	211212
	40	40	200	38	40	50							●	●	211214

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

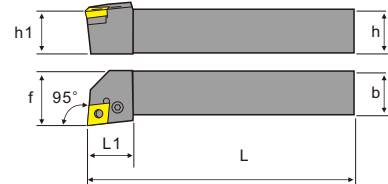
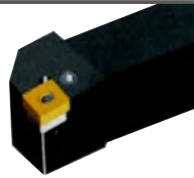
刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	刀垫螺丝 Shim Screw	刀垫 Shim	扳手 Wrench	压板螺丝 Clamp Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
DCLNR/L 1616H12 2020K12 2525M12 3232P12	16	16	100	32	16	20	CN..1204..	M6X9P	MC1204	PL30	M6X21	MZG-1	○	○	211220
	20	20	125	32	20	25							●	○	211222
	25	25	150	32	25	32							●	○	211224
	32	32	170	32	32	40							○	○	211226

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	中心销 Pin	刀垫 Shim	扳手 Wrench	压板螺丝 Clamp Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
ECLNR/L 2020K12 2525M12 3232P12	20	20	125	32	20	25	CN..1204..	CT618-Z	MC1204	PL30 PL40	M8X25	EC12	○	○	211230
	25	25	150	32	25	32							○	○	211232
	32	32	170	32	32	40							○	○	211234

PCLNR/L

P类夹紧方式
Type P clamping method

Kr:95°



刀片 (Inserts): A01-A02 零配件 (Toolholder Parts): P03-P06

刀把型号 Ordering code	尺寸 Dimensions						螺钉 Nut bolt	刀垫 Shim	扳手 Wrench	杠杆 Lever	挡垫 Baffle pad	库存 stock		Order Number
	h	b	L	h1	f	L1						R	L	
PCLNR/L 1616H09 2020K09 2525M09	16	16	100	16	20	20	VHX0613.4	PC09	PL25	LV3	SP3	●	●	
	20	20	125	20	25	25						●	●	
	25	25	150	25	32	32						●	●	
	20	20	125	20	25	25						●	●	
2525M12 3232P12 2525M16	25	25	150	25	32	32	VHX0821	PC12	PL30	LV4	SP4	●	●	
	32	32	170	32	40	40						●	●	
	25	25	150	25	32	32						●	●	
3232P16 3232P19 4040S19	32	32	170	32	40	40	VHX1025	PC16	PL30	LV5	SP5	●	●	
	32	32	170	32	40	40						●	●	
	40	40	250	40	50	50						●	●	
4040S2507 4040S2509	40	40	250	40	50	50	VHX1027	PC19	PL40	LV6	SP6	●	●	
	40	40	250	40	50	50						●	●	
	40	40	250	40	50	50						●	●	
4040S2509	40	40	250	40	50	50	VHX1036A	PC25-07	PL50	LV8	SP8	●	●	
	40	40	250	40	50	50		PC25-09				●	●	

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

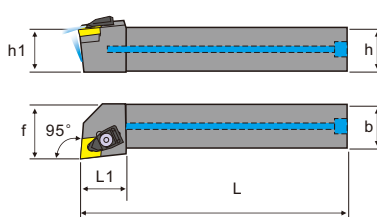
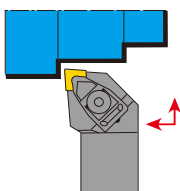
外圆车削

M | D | E | P 型锁紧外圆车刀 M | D | E | P Type Cylindrical Turning Tool

TCLNR/L

带高压冷却的外圆车刀杆
T-shaped arbor with high pressure cooling

外圆车削
Cylindrical Turning
端面车削
End Face Turning

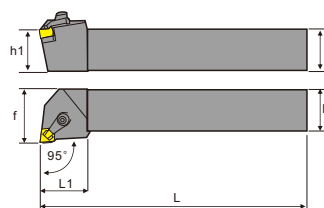


刀片 (Inserts): A01-A02 零配件 (Toolholder Parts): P03-P06

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	刀垫螺丝 Shim Screw	刀垫 Shim	扳手 Wrench	压板螺丝 Clamp Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
TCLNR/L 2020K12	20	20	125	28	20	28	CN..1204..	M6X9P	MC1204	PL30	M6X21	MZG-1T	●	○	
2525M12	25	25	150	28	25	32							●	○	

JCLNR/L Kr:95°

J类夹紧方式
Type J clamping method



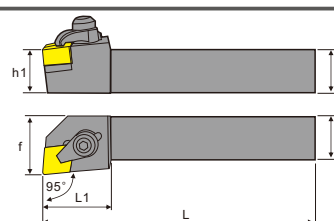
刀片 (Inserts): A01-A02 零配件 (Toolholder Parts): P03-P06

型号 Model	尺寸 Dimensions						适合刀片 Insert	压板 Clamp	压板压紧螺丝 Screw	扳手 Wrench	刀垫 Shim	刀垫压紧螺钉 Screw	弹簧 Spring	Stock		Order Number
	h	b	L	h1	f	L1								R	L	
JCLNR/L2020K12	20	20	125	20	29	32	CNGX1207	C1RJ	M6X21	PL20 PL40	MC1204	M6X9P	SPR1	●	●	
2525M12	25	25	150	25	32	32								●	●	

CCLNR/L

C类夹紧方式
Type C clamping method

Kr:95°



刀片 (Inserts): A01-A02 零配件 (Toolholder Parts): P03-P06

型号 Model	尺寸 Dimensions						适合刀片 Insert	压板 Clamp	压板压紧螺丝 Screw	扳手 Wrench	刀垫 Shim	刀垫压紧螺钉 Knife pad pressing screw	弹簧 Spring	库存 stock		Order Number
	h	b	L	h1	f	L1								R	L	
CCLNR/L2020K12	20	20	125	20	27	32	CNGX1207..	C1RJ	M6X21	PL20 PL40	MC1204	M6X9P	SPR1	●	●	
2525M12	25	25	150	25	27	36								●	●	
2525M16	25	25	150	25	32	36	CNGX1606..	C2RC	M8X30	PL20 PL40	MC1604	M8X9P	SPR3	●	●	
3225M16	32	25	170	32	32	36								●	●	

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

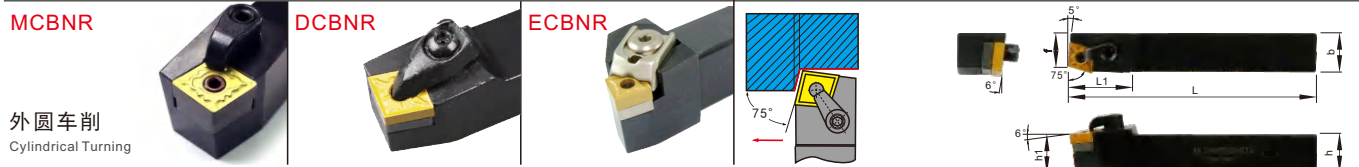
螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

车削
车柄



外圆车削
Cylindrical Turning

刀片 (Inserts): A01-A02 零配件 (Toolholder Parts): P03-P06

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	中心销 Pin	刀垫 Shim	扳手 Wrench	压板螺丝 Screw	压板 Clamp	图示方向 (R)		R-Type	Stock	Order Number	
	h	b	L	L1	h1	f							R	L				
MCBNR/L 2020K12 2525M12 3232P12	20	20	125	32	20	17	CN..1204..	CTM617	MC1204	PL25 PL30	MS625	HL1814	●	●	●	●	211400	
	25	25	150	32	25	22							●	●				211402
	32	32	170	32	32	27							●	●				211404
2525M16 3232P16 4040R16	25	25	150	37	25	22	CN..1606..	CTM822	MC1604	PL30 PL40	MS830	HL2217	●	●	●	●	211406	
	32	32	170	37	32	27							●	●				211408
	40	40	200	38	40	35							●	●				211411
2525M19 3232P19 4040R19	25	25	150	32	25	22	CN..1906..	CTM1022	MC1904	PL40	MS830	HL2217	●	●	●	●	211407	
	32	32	170	37	32	27							●	●				211410
	40	40	200	38	40	35							●	●				211413

DS
车柄

正面
排刀

Y轴
车柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

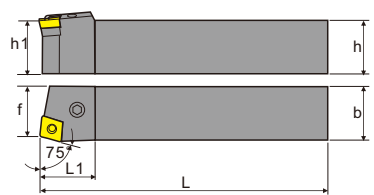
螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

PCBNR/L
P类夹紧方式
Type P clamping method



刀片 (Inserts): A01-A02 零配件 (Toolholder Parts): P03-P06

刀把型号 Ordering code	尺寸 Dimensions						螺钉 Nut bolt	刀垫 Shim	扳手 Wrench	杠杆 Lever	挡垫 Baffle pad	库存 stock		Order Number
	h	b	L	h1	f	L1						R	L	
PCBNR/L 2020K12 2525M12 3232P12	20	20	125	20	17	27	VHX0821	PC12	PL30	LV4	SP4	●	●	
	25	25	150	25	22	27						●	●	
	32	32	170	32	27	27						●	●	
2525M16 3232P16 3232P19	25	25	150	25	22	33	VHX0825	PC16	PL30	LV5	SP5	●	●	
	32	32	170	32	27	33						●	●	
	32	32	170	32	27	38						●	●	
4040S19 4040S2507 4040S2509	40	40	250	40	35	38	VHX1027	PC19	PL40	LV6	SP6	●	●	
	40	40	250	40	35	50						●	●	
	40	40	250	40	35	50						VHX1236A	PC25-07 PC25-09	

外圆车削

M | D | E | P 型锁紧外圆车刀 M | D | E | P Type Cylindrical Turning Tool

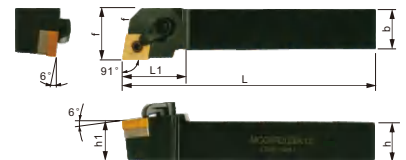
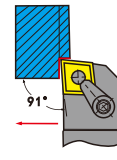
MCGNR



DCGNR



ECGNR



外圆车削
Cylindrical Turning
端面车削
End Face Turning

刀片 (Inserts): A01-A02 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	中心销 Pin	刀垫 Shim	扳手 Wrench	压板螺丝 Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
MCGNR/L 1616H12 2020K12 2525M12 3232P12 2525M16 3232P16	16	16	100	32	16	20	CN..1204..	CTM617	MC1204	PL25 PL30	MS625	HL1814	●	●	211700
	20	20	125	32	20	25							●	●	211702
	25	25	150	32	25	32							●	●	211704
	32	32	170	32	32	40							●	●	211706
	25	25	150	32	25	32							●	●	211703
32	32	170	32	32	40	●	●	211707							
DCGNR/L 1616H12 2020K12 2525M12 3232P12	16	16	100	32	16	20	CN..1204..	M6X9P	MC1204	PL30	M6X21	MZG-1	○	○	211720
	20	20	125	32	20	25							●	○	211722
	25	25	150	32	25	32							●	○	211724
	32	32	170	32	32	40							●	○	211726
	25	25	150	32	25	32							○	○	211732
32	32	170	32	32	40	○	○	211734							
ECGNR/L 2020K12 2525M12 3232P12	20	20	125	32	20	25	CN..1204..	CT618-Z	MC1204	PL30 PL40	M8X25	EC12	○	○	211730
	25	25	150	32	25	32							○	○	211732
	32	32	170	32	32	40							○	○	211734

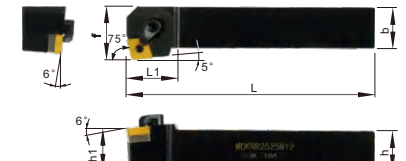
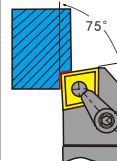
MCKNR



DCKNR



ECKNR



端面车削
End Face Turning

刀片 (Inserts): A01-A02 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	中心销 Pin	刀垫 Shim	扳手 Wrench	压板螺丝 Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
MCKNR/L 1616H12 2020K12 2525M12 3232P12 2525M16 3232P16 3232P19	16	16	100	32	16	20	CN..1204..	CTM617	MC1204	PL25 PL30	MS625	HL1814	●	●	211500
	20	20	125	32	20	25							●	●	211502
	25	25	150	32	25	32							●	●	211504
	32	32	170	32	32	40							●	●	211506
	25	25	150	37	25	32							●	●	211508
	32	32	170	37	32	40							●	○	211510
32	32	170	37	32	50	CN..1906..	CTM1022	MC1904	PL40	MS830	HL2217	●	○	211512	
DCKNR/L 1616H12 2020K12 2525M12 3232P12	16	16	100	31.5	16	20	CN..1204..	M6X9P	MC1204	PL30	M6X21	MZG-1	○	○	211520
	20	20	125	31.0	20	25							●	○	211522
	25	25	150	31.0	25	32							●	○	211524
	32	32	170	31.0	32	40							○	○	211526
	25	25	150	32	25	32							○	○	211530
32	32	170	32	32	40	○	○	211532							
32	32	170	32	32	40	○	○	211534							

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

车削刀柄

CSV 凸轮 车床 刀具

DS 刀柄

正面 排刀

Y轴 刀柄

前 车削

后 车削

小径 切槽 切断 螺纹

小孔 加工

滚花 车花

焊接 车刀 夹头

外圆 车削

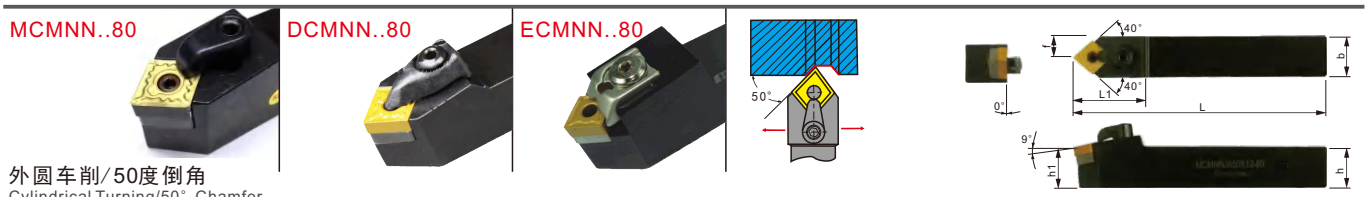
内孔 车削

螺纹 车削

切槽 切断

端面 切槽

阻尼 模组

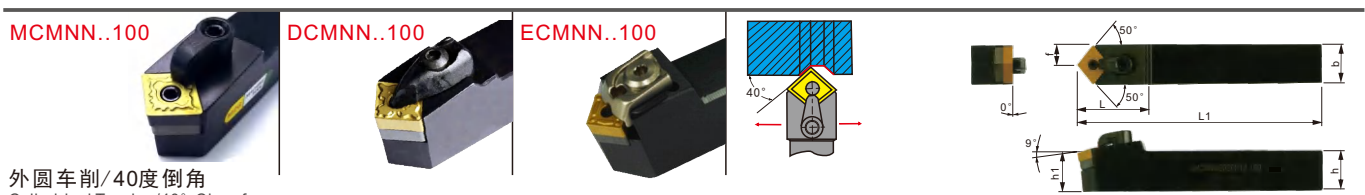


外圆车削/50度倒角
Cylindrical Turning/50° Chamfer

刀片 (Inserts): A01-A02 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	中心销 Pin	刀垫 Shim	扳手 Wrench	压板螺丝 Clamp Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
MCMNN 1616H12-80	16	16	100	35	16	8	CN..1204..	CTM617	MC1204	PL25 PL30	MS625	HL1814	●	○	211800
2020K12-80	20	20	125	35	20	10							●	○	211802
2525M12-80	25	25	150	38	25	12.5							●	○	211804
3232P12-80	32	32	170	38	32	16							●	○	211806
2525M16-80	25	25	150	43	25	12.5	CN..1606..	CTM822	MC1604	PL30 PL40	MS830	HL2217	●	○	211808
3232P16-80	32	32	170	43	32	16							●	○	211810
3232P19-80	32	32	170	45	32	16							●	○	211812
DCMNN 1616H12-80	16	16	100	35	16	8	CN..1204..	M6X9P	MC1204	PL30	M6X21	MZG-1	○	○	211820
2020K12-80	20	20	125	35	20	10							●	○	211822
2525M12-80	25	25	150	38	25	12.5							●	○	211824
3232P12-80	32	32	170	38	32	16							○	○	211826
ECMNN 2020K12-80	20	20	125	35	20	10	CN..1204..	CT618-Z	MC1204	PL30 PL40	M8X25	EC12	○	○	211830
2525M12-80	25	25	150	38	25	12.5							○	○	211832
3232P12-80	32	32	170	38	32	16							○	○	211834



外圆车削/40度倒角
Cylindrical Turning/40° Chamfer

刀片 (Inserts): A01-A02 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	中心销 Pin	刀垫 Shim	扳手 Wrench	压板螺丝 Clamp Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
MCMNN 1616H12-100	16	16	100	35	16	8	CN..1204..	CTM617	MC1204	PL25 PL30	MS625	HL1814	●	○	212100
2020K12-100	20	20	125	35	20	10							●	○	212102
2525M12-100	25	25	150	38	25	12.5							●	○	212104
3232P12-100	32	32	170	38	32	16							●	○	212106
2525M16-100	25	25	150	43	25	12.5	CN..1606..	CTM822	MC1604	PL30 PL40	MS830	HL2217	●	○	212108
3232P16-100	32	32	170	43	32	16							●	○	212110
3232P19-100	32	32	170	45	32	16							●	○	212112
DCMNN 1616H12-100	16	16	100	35	16	8	CN..1204..	M6X9P	MC1204	PL30	M6X21	MZG-1	○	○	212120
2020K12-100	20	20	125	35	20	10							●	○	212122
2525M12-100	25	25	150	38	25	12.5							●	○	212124
3232P12-100	32	32	170	38	32	16							○	○	212126
ECMNN 2020K12-100	20	20	125	35	20	10	CN..1204..	CT618-Z	MC1204	PL30 PL40	M8X25	EC12	○	○	212130
2525M12-100	25	25	150	38	25	12.5							○	○	212132
3232P12-100	32	32	170	38	32	16							○	○	212134

外圆车削

M | D | E | P 型锁紧外圆车刀 M | D | E | P Type Cylindrical Turning Tool

MCFNR

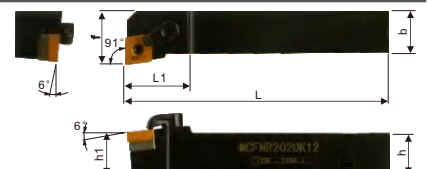
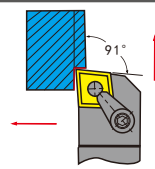
外圆车削
Cylindrical Turning
端面车削
End Face Turning



DCFNR



ECFNR



刀片 (Inserts): A01-A02 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	中心销 Pin	刀垫 Shim	扳手 Wrench	压板螺丝 Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
MCFNR/L 1616H12 2020K12 2525M12 3232P12	16	16	100	32	16	20	CN..1204..	CTM617	MC1204	PL25 PL30	MS625	HL1814	●	●	211100
	20	20	125	32	20	25							●	●	211102
	25	25	150	32	25	32							●	●	211104
	32	32	170	32	32	40							○	○	211106
2525M16 3232P16 2525M19 3232P19 4040R19	25	25	150	32	25	32	CN..1606..	CTM822	MC1604	PL30 PL40	MS830	HL2217	○	○	211103
	32	32	170	37	32	40							○	○	211107
	25	25	150	32	25	32							○	○	211105
	32	32	170	37	32	40							○	○	211108
40	40	200	38	40	50	○	○	211109							

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	刀垫螺丝 Shim Screw	刀垫 Shim	扳手 Wrench	压板螺丝 Clamp Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
DCFNR/L 1616H12 2020K12 2525M12 3232P12	16	16	100	32	16	20	CN..1204..	M6X9P	MC1204	PL30	M6X21	MZG-1	○	○	211120
	20	20	125	32	20	25							●	○	211122
	25	25	150	32	25	32							●	○	211124
	32	32	170	32	32	40							○	○	211126

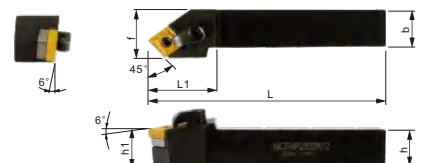
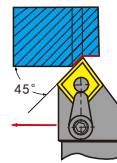
刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	中心销 Pin	刀垫 Shim	扳手 Wrench	压板螺丝 Clamp Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
ECFNR/L 2020K12 2525M12 3232P12	20	20	125	32	20	25	CN..1204..	CT618-Z	MC1204	PL30 PL40	M8X25	EC12	○	○	211130
	25	25	150	32	25	32							○	○	211132
	32	32	170	32	32	40							○	○	211134

MCSNR

外圆车削
Cylindrical Turning
端面车削
End Face Turning



DCSNR



刀片 (Inserts): A01-A02 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	中心销 Pin	刀垫 Shim	扳手 Wrench	压板螺丝 Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
MCSNR/L 1616H12 2020K12 2525M12 3232P12	16	16	100	32	16	20	CN..1204..	CTM617	MC1204	PL25 PL30	MS625	HL1814	●	●	211600
	20	20	125	35	20	25							●	●	211602
	25	25	150	38	25	32							●	●	211604
	32	32	170	38	32	40							●	●	211606

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	刀垫螺丝 Shim Screw	刀垫 Shim	扳手 Wrench	压板螺丝 Clamp Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
DCSNR/L 2020K12 2525M12 3232P12	20	20	125	35	20	25	CN..1204..	M6X9P	MC1204	PL30	M6X21	MZG-1	●	○	211620
	25	25	150	38	25	32							●	○	211622
	32	32	170	38	32	40							○	○	211624

车削
车刀

CSV
凸轮
车床
刀具

DS
车刀

正面
排刀

Y轴
车刀

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

车削刀柄
CSV
凸轮车削
端面车削
刀具

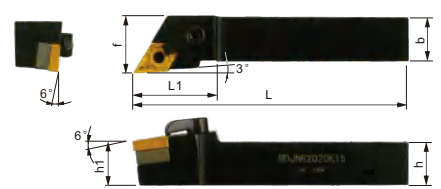
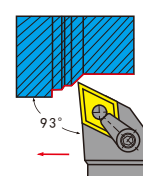
MDJNR



DDJNR



EDJNR



外圆车削
Cylindrical Turning
端面车削
End Face Turning

刀片 (Inserts): A03-A04 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	中心销 Pin	刀垫 Shim	扳手 Wrench	压板螺丝 Clamp Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
MDJNR/L 1616H11	16	16	100	31.5	16	20	DN..1104..	CTM617	MD1103	PPL20 PPL30	MS625	HL1814	●	●	212300
2020K11	20	20	125	33	20	25							●	●	212302
2525M11	25	25	150	33	25	32							●	●	212304
1616H15	32	32	170	31.5	32	20	DN..1504.. DN..1506..	CTM619	MD1506 MD1504	PPL25 PPL30	MS625	HL2114	●	●	212306
2020K15	25	25	150	39	25	25							●	●	212308
2525M15	32	32	170	40	32	32							●	●	212310
3232P15	32	32	170	42	32	40	●	●	212312						

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	刀垫螺丝 Shim Screw	刀垫 Shim	扳手 Wrench	压板螺丝 Clamp Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
DDJNR/L 1616H11	16	16	100	31.5	16	20	DN..1104..	M5X9P	MD1103	PL30	M6X21	MZG-3	○	○	212320
2020K11	20	20	125	33	20	25							○	○	212322
2525M11	25	25	150	33	25	32							○	○	212324
2020K15	20	20	125	39	20	25	DN..1504.. DN..1506..	M6X9P	MD1504 MD1506	PL30	M6X21	MZG-2	●	○	212326
2525M15	25	25	150	40	25	32							●	○	212328
3232P15	32	32	170	42	32	40							○	○	212330

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	中心销 Pin	刀垫 Shim	扳手 Wrench	压板螺丝 Clamp Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
EDJNR/L 2020K15	20	20	125	39	20	25	DN..1504..	CT618-Z	MD1504	PL30 PL40	M8X25	ED15	○	○	212332
2525M15	25	25	150	40	25	32							○	○	212334
3232P15	32	32	170	42	32	40							○	○	212336

前
车削
后
车削
小径
切槽
切断
螺纹
小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

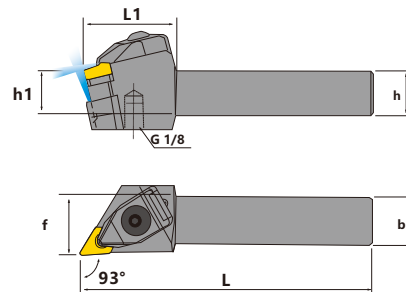
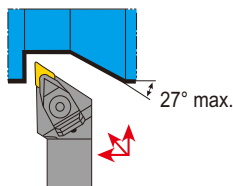
端面
切槽

阻尼
模组

TDJNR/L

带高压冷却的T型刀杆

T-shaped arbor with high pressure cooling



刀片 (Inserts): A03-A04 零配件 (Toolholder Parts): P03-P06

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	刀垫螺丝 Shim Screw	刀垫 Shim	扳手 Wrench	压板螺丝 Clamp Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
TDJNR/L 2020K15	20	20	125	39	20	25	DN..1504.. DN..1506..	M6X9P	MD1504 MD1506	PL30	M6X21	MZG-2T	●	○	
2525M15	25	25	150	40	25	32							○	○	
3232P15	32	32	170	42	32	40							○	○	

外圆车削

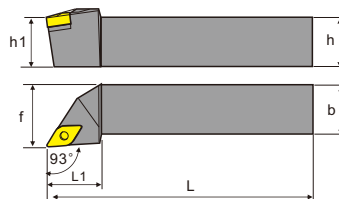
M | D | E | P 型锁紧外圆车刀 M | D | E | P Type Cylindrical Turning Tool

PDJNR/L

P类夹紧方式

Type P clamping method

Kr:93°



刀片 (Inserts): A03-A04 零配件 (Toolholder Parts): P03-P06

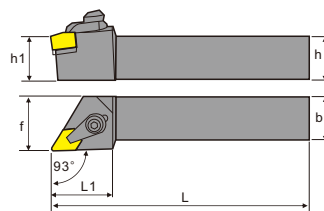
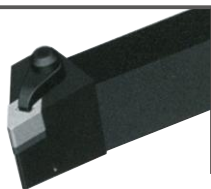
刀把型号 Ordering code	尺寸 Dimensions						螺钉 Nut bolt	刀垫 Shim	扳手 Wrench	杠杆 Lever	挡垫 Baffle pad	库存 Stock		Order Number
	h	b	L	h1	f	L1						R	L	
PDJNR/L														
1616H11	16	16	100	16	20	25	VHX0613.4	PD1103	PL25	LV3	SP3	●	●	
2020K11	20	20	125	20	25	25						●	●	
2525M11	25	25	150	25	32	30						●	●	
2020K15	20	20	125	20	25	35	VHX0821	PD1504	PL30	LV4B	SP4	●	●	
2525M15	25	25	150	25	32	35						●	●	
3232P15	32	32	170	32	40	35						●	●	
2020K15-3	20	20	125	20	25	35	VHX0821	PD1506	PL30	LV4	SP4	●	○	
2525M15-3	25	25	150	25	32	35						●	○	
3232P15-3	32	32	170	32	40	35						●	○	

JDJNR/L

J类夹紧方式

Type J clamping method

Kr:93°



刀片 (Inserts): A03-A04 零配件 (Toolholder Parts): P03-P06

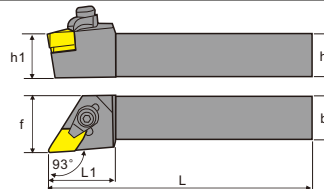
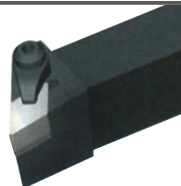
刀把型号 Ordering code	尺寸 Dimensions						适合刀片 Insert	压板 Clamp	压板压紧螺丝 Screw	扳手 Wrench	刀垫 Shim	刀垫压紧螺钉 Knife pad pressing screw	弹簧 Spring	库存 Stock		Order Number
	h	b	L	h1	f	L1								R	L	
JDJNR/L																
2525M15	25	25	150	25	32	38	DNGX1507..	C1RJ	M6X21	PL20 PL40	MD1504/06	M6X9P	SPR1	○	○	
3225P15	32	25	170	32	32	38								○	○	

CDJNR/L

J类夹紧方式

Type J clamping method

Kr:93°



刀片 (Inserts): A03-A04 零配件 (Toolholder Parts): P03-P06

刀把型号 Ordering code	尺寸 Dimensions						适合刀片 Insert	压板 Clamp	压板压紧螺丝 Screw	扳手 Wrench	刀垫 Shim	刀垫压紧螺钉 Knife pad pressing screw	弹簧 Spring	库存 Stock		Order Number
	h	b	L	h1	f	L1								R	L	
CDJNR/L																
2525M15	25	25	150	25	32	32	DNGX1507..	C1RJ	M6X21	PL20 PL40	MD1504/06	M6X9P	SPR1	○	○	
3225P15	32	25	170	32	32	32								○	○	

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

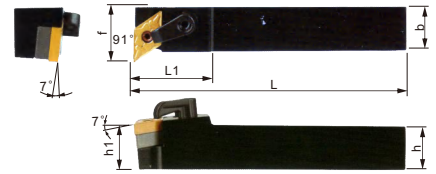
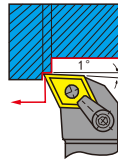
阻尼
模组

车削
刀柄

CSV
凸轮
车削
刀具

MDFNR

外圆车削
Cylindrical Turning
端面车削
End Face Turning



刀片 (Inserts): A03-A04 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	中心销 Pin	刀垫 Shim	扳手 Wrench	压板螺丝 Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
MDFNR/L 1616H11 2020K11 2525M11	16	16	100	31.5	16	20	DN..1104..	CTM617	MD1103	PL20 PL30	MS625	HL1814	●	●	212550
	20	20	125	33	20	25							●	●	212552
	25	25	150	33	25	32							●	●	212554
1616H15 2020K15 2525M15 3232P15	16	16	170	31.5	16	20	DN..1504.. DN..1506..	CTM619	MD1506 MD1504	PL25 PL30		HL2114	●	●	212556
	20	20	150	39	20	25							●	●	212558
	25	25	170	40	25	32							●	●	212560
32	32	170	42	32	40	●	●	212562							

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

MDQNR

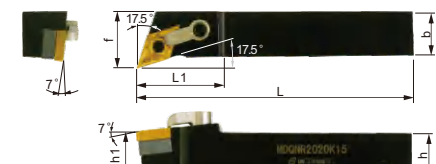
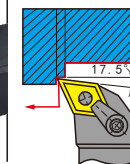
外圆车削
Cylindrical Turning
端面车削
End Face Turning



DDQNR



EDQNR



刀片 (Inserts): A03-A04 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	中心销 Pin	刀垫 Shim	扳手 Wrench	压板螺丝 Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
MDQNR/L 1616H11 2020K11 2525M11	16	16	100	31.5	16	20	DN..1104..	CTM617	MD1103	PL20 PL30	MS625	HL1814	●	●	212500
	20	20	125	33	20	25							●	●	212502
	25	25	150	33	25	32							●	●	212504
1616H15 2020K15 2525M15 3232P15	16	16	100	31.5	16	20	DN..1504.. DN..1506..	CTM619	MD1506 MD1504	PL25 PL30		HL2114	●	●	212506
	20	20	125	39	20	25							●	●	212508
	25	25	150	40	25	32							●	●	212510
32	32	170	42	32	40	●	●	212512							

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	刀垫螺丝 Shim Screw	刀垫 Shim	扳手 Wrench	压板螺丝 Clamp Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
DDQNR/L 1616H11 2020K11 2525M11	16	16	100	32	16	20	DN..1104..	M5X9P	MD1103	PL30	M6X21	MZG-3	○	○	212520
	20	20	125	32	20	25							○	○	212522
	25	25	150	32	25	32							○	○	212524
2020K15 2525M15 3232P15	20	20	125	37	20	25	DN..1504.. DN..1506..	M6X9P	MD1504 MD1506	PL30	M6X21	MZG-2	●	○	212526
	25	25	150	37	25	32							●	○	212528
	32	32	170	37	32	40							○	○	212530

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	中心销 Pin	刀垫 Shim	扳手 Wrench	压板螺丝 Clamp Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
EDQNR/L 2020K15 2525M15 3232P15	20	20	125	39	20	25	DN..1504..	CT618-Z	MD1504	PL30 PL40	M8X25	ED15	○	○	212532
	25	25	150	40	25	32							○	○	212534
	32	32	170	42	32	40							○	○	212536

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

外圆车削

M | D | E | P 型锁紧外圆车刀 M | D | E | P Type Cylindrical Turning Tool

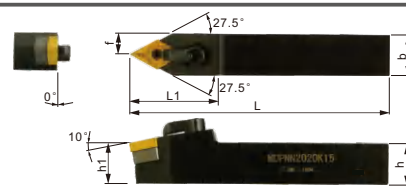
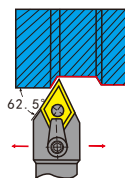
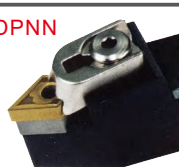
MDPNN



DDPNN



EDPNN



外圆车削
Cylindrical Turning

刀片 (Inserts): A03-A04 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	中心销 Pin	刀垫 Shim	扳手 Wrench	压板螺丝 Clamp Screw	压板 Clamp	Stock		Order Number	
	h	b	L	L1	h1	f							R	L		
MDPNN	1616H11	16	16	100	36	16	DN..1104..	CTM617	MD1103	PL20 PL30	MS625	HL1814	●	○	212200	
	2020K11	20	20	125	36	20							10	●	○	212202
	2525M11	25	25	150	36	25							12.5	●	○	212204
	1616H15	32	32	100	43	32	DN..1504.. DN..1506..	CTM619	MD1506 MD1504	PL25 PL30		●	○	212206		
	2020K15	25	25	125	43	25						10	●	○	212208	
	2525M15	32	32	150	43	32						12.5	●	○	212210	
3232P15	32	32	170	43	32	16	●	○	212212							
刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	刀垫螺丝 Shim Screw	刀垫 Shim	扳手 Wrench	压板螺丝 Clamp Screw	压板 Clamp	Stock		Order Number	
	h	b	L	L1	h1	f							R	L		
DDPNN	1616H11	16	16	100	36	16	DN..1104..	M5X9P	MD1103	PL30	M6X21	MZG-3	○	○	212220	
	2020K11	20	20	125	36	20							10	○	○	212222
	2525M11	25	25	150	36	25							12.5	○	○	212224
	2020K15	20	20	125	43	20	10	DN..1504.. DN..1506..	MD1504 MD1506	PL30		M6X21	MZG-2	●	○	212226
	2525M15	25	25	150	43	25	12.5							●	○	212228
	3232P15	32	32	170	43	32	16							○	○	212230
刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	中心销 Pin	刀垫 Shim	扳手 Wrench	压板螺丝 Clamp Screw	压板 Clamp	Stock		Order Number	
	h	b	L	L1	h1	f							R	L		
EDPNN	2020K15	20	20	125	39	20	DN..1504..	CT618-Z	MD1504	PL30 PL40	M8X25	ED15	○	○	212232	
	2525M15	25	25	150	40	25							12.5	○	○	212234
	3232P15	32	32	170	42	32							16	○	○	212236

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

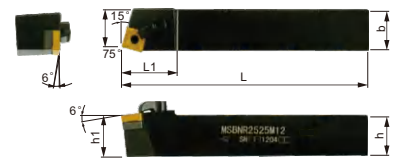
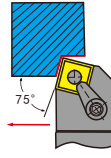
阻尼
模组

车削
刀柄

MSBNR



DSBNR



外圆车削
Cylindrical Turning

刀片 (Inserts): A07-A08 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	中心销 Pin	刀垫 Shim	扳手 Wrench	压板螺丝 Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
MSBNR/L 1616H12 2020K12 2525M12 3232P12	16	16	100	32	16	13	SN..1204..	CTM617	MS1204	PL25 PL30	MS625	HL1814	●	●	212600
	20	20	125	32	20	17							●	●	212602
	25	25	150	32	25	22							●	●	212604
	32	32	170	32	32	27							●	●	212606
MSBNR/L 2525M15 3232P15 3232P19 4040R19	25	25	150	32	25	22	SN..1506..	CTM822	MS1504	PL30 PL40	MS830	HL2217	●	●	212605
	32	32	170	37	32	27							●	●	212607
	32	32	170	37	32	27							●	●	212608
	40	40	200	40	40	35							●	●	212610

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

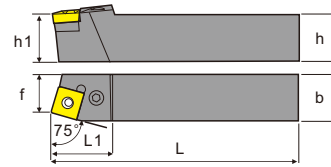
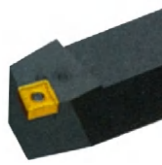
刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	刀垫螺丝 Shim Screw	刀垫 Shim	扳手 Wrench	压板螺丝 Clamp Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
DSBNR/L 2020K12 2525M12 3232P12	20	20	125	32.5	20	17	SN..1204..	M6X9P	MS1204	PL30	M6X21	MZG-1	○	○	212620
	25	25	150	32.5	25	22							○	○	212622
	32	32	170	32.5	32	27							○	○	212624

PSBNR/L

P类夹紧方式

Type P clamping method

Kr:75°



刀片 (Inserts): A07-A08 零配件 (Toolholder Parts): P03-P06

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

刀把型号 Ordering code	尺寸 Dimensions						螺钉 Nut bolt	刀垫 Shim	扳手 Wrench	杠杆 Lever	挡垫 Baffle pad	库存 Stock		Order Number					
	h	b	L	h1	f	L1						R	L						
PSBNR/L 1616H09 2020K09 2020K12 2525M12	16	16	100	16	13	21	VHX0613.4	PS0903	PL25	LV3	SP3	●	●						
	20	20	125	20	17	28						●	●						
	25	25	125	25	22	28						●	●						
	32	32	170	32	22	28						●	●						
PSBNR/L 3232P12 2525M15 3232P15 3232P19	32	32	170	32	27	28	VHX0821	PS1204	PL30	LV4	SP4	●	●						
	25	25	150	25	22	35						●	●						
	32	32	170	32	27	35						●	●						
	32	32	170	32	27	35						●	●						
PSBNR/L 3232P19 4040P19 4040S2507 4040S2509	32	32	170	32	27	40	VHX1027	PS1904	PL40	LV6	SP6	●	●						
	40	40	250	40	35	48						●	●						
	40	40	250	40	35	48						VHX1236	PS25AP	PL50	LV8	SP8	●	●	
	40	40	250	40	35	48							PS25AP-09				●	●	

外圆车削

M | D | E | P 型锁紧外圆车刀 M | D | E | P Type Cylindrical Turning Tool

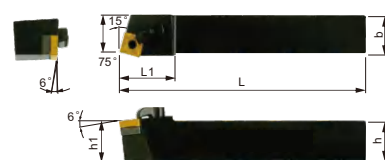
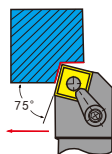
MSRNR



ESRNR



外圆车削
Cylindrical Turning



刀片 (Inserts): A07-A08 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

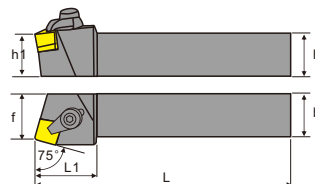
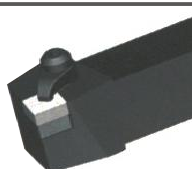
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	h	b	L	L1	h1	f							R	L	
MSRNR/L 1616H12 2020K12 2525M12 3232P12 2525M15 3232P15 3232P19 4040R19	16	16	100	35	16	20	SN..1204..	CTM617	MS1204	PL25 PL30	MS625	HL1814	●	●	213100
	20	20	125	35	20	25							●	●	213102
	25	25	150	35	25	32							●	●	213104
	32	32	170	35	32	40							○	○	213106
	25	25	150	40	25	32							○	○	213108
32	32	170	40	32	40	○	○	213110							
32	32	170	40	32	40	○	○	213112							
40	40	200	40	40	50	○	○	213114							
DSRNR/L 2020K12 2525M12 3232P12	20	20	125	32.5	20	25	SN..1204..	M6X9P	MS1204	PL30	M6X21	MZG-1	○	○	213120
	25	25	150	32.5	25	32							○	○	213122
	32	32	170	32.5	32	40							○	○	213124
ESRNR/L 2020K16 2525M16 3232P16	20	20	125	35	20	25	SN..1204..	CT618-Z	MS1204	PL25 PL40	M8X25	ES12	○	○	213130
	25	25	150	37	25	32							○	○	213132
	32	32	170	37	32	40							○	○	213136

CSRNR/L

C类夹紧方式

Type C clamping method

Kr:75°



刀片 (Inserts): A07-A08 零配件 (Toolholder Parts): P03-P06

刀把型号 Ordering code	尺寸 Dimensions						适合刀片 Insert	压板 Clamp	压板压紧螺丝 Screw	扳手 Wrench	刀垫 Shim	刀垫压紧螺钉 Knife pad pressing screw	弹簧 Spring	库存 Stock		Order Number
	h	b	L	h1	f	L1								R	L	
CSRNR/L 2020K12 2525M12 3225P12	20	20	125	20	22	32	SNGN1207..	C1RC	M6X21	PL20 PL40	MC1204	M6X9P	SPR1	○	○	
	25	25	150	25	27	32								○	○	
	32	32	170	32	27	32								○	○	
3225P15 4040R15	32	32	170	32	32	40	SNGN1507..	C2RC	M8X30	PL30 PL50	MC1504	M6X9P	SPR3	○	○	
40	40	200	40	43	40	○								○		

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

车削刀柄

CSV 凸轮 车床 刀具

DS 刀柄

正面 排刀

Y轴 刀柄

前 车削

后 车削

小径 切槽 切断 螺纹

小孔 加工

滚花 车花

焊接 车刀 夹头

外圆 车削

内孔 车削

螺纹 车削

切槽 切断

端面 切槽

阻尼 模组

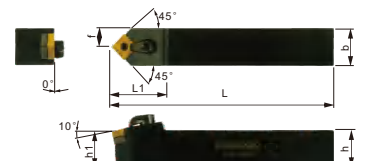
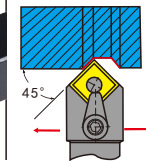
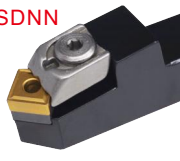
MSDNN



DSDNN



ESDNN



45° 倒角
+外圆车削
45° Chamfer + Cylindrical Turning

图示方向 (R) R-Type

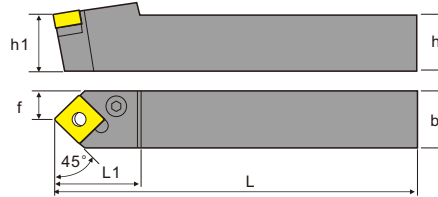
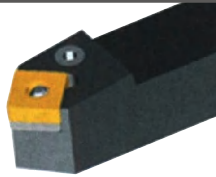
刀片 (Inserts): A07-A08 零配件 (Toolholder Parts): P03-P06

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	中心销 Pin	刀垫 Shim	扳手 Wrench	压板螺丝 Clamp Screw	压板 Clamp	Stock	Order Number
	h	b	L	L1	h1	f								
MSDNN 1616H12 2020K12 2525M12 3232P12	16	16	100	35	16	8	SN..1204..	CTM617	MS1204	PL25 PL30	MS625	HL1814	●	212700
	20	20	125	35	20	10							●	212702
	25	25	150	35	25	12.5							●	212704
	32	32	170	35	32	16							●	212706
MSDNN 2525M15 3232P15 3232P19 4040R19	25	25	150	40	25	12.5	SN..1506..	CTM822	MS1504	PL30 PL40	MS830	HL2217	○	212708
	32	32	170	40	32	16							○	212710
	32	32	170	40	32	16							○	212712
	40	40	200	40	40	20							○	212714
DSDNN 1616H12 2020K12 2525M12 3232P12	16	16	100	35	16	8	SN..1204..	M6X9P	MS1204	PL30	M6X21	MZG-1	○	212720
	20	20	125	35	20	10							○	212722
	25	25	150	37	25	12.5							○	212724
	32	32	170	37	32	16							○	212726
ESDNN 2020K16 2525M16 3232P16	20	20	125	35	20	10	SN..1204..	CT618-Z	MS1204	PL25 PL40	M8X25	ES12	○	212730
	25	25	150	37	25	12.5							○	212732
	32	32	170	37	32	16							○	212736

PSDNN

P类夹紧方式
Type P clamping method

Kr:45°



刀片 (Inserts): A07-A08 零配件 (Toolholder Parts): P03-P06

刀把型号 Ordering code	尺寸 Dimensions						螺母 Nut bolt	刀垫 Shim	扳手 Wrench	杠杆 Lever	挡垫 Baffle pad	库存 Stock	Order Number
	h	b	L	h1	f	L1							
PSDNN 1212F09 1616H09 2020K12 2525M12 3232P12	12	12	80	12	6	21	VHX0512		PL20	LV3B		○	
	16	16	100	16	8	23	VHX0613.4	PS0903	PL25	LV3	SP3	○	
	20	20	125	20	10	30	VHX0821	PS1204	PL30	LV4	SP4	●	
	25	25	150	25	12.5	30						●	
	32	32	170	32	16	40	VHX0825	PS1504	PL30	LV5	SP5	●	
	25	25	150	25	12.5	40						●	
32	32	170	32	16	40	●							
32	32	170	32	16	40	VHX1027	PS1904	PL40	LV6	SP6	●		
40	40	250	40	20	40						●		

外圆车削

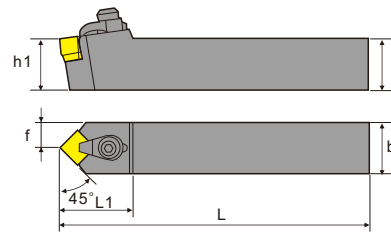
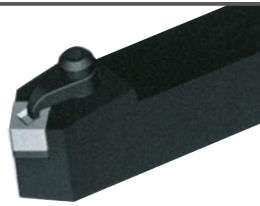
M | D | E | P 型锁紧外圆车刀 M | D | E | P Type Cylindrical Turning Tool

JSDNN

J类夹紧方式

Type J clamping method

Kr:45°



刀片 (Inserts): A07-A08 零配件 (Toolholder Parts): P03-P06

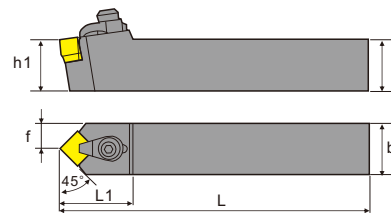
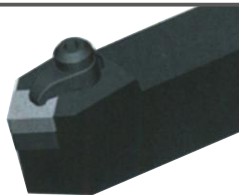
刀把型号 Ordering code	尺寸 Dimensions						适合刀片 Insert	压板 Clamp	压板压紧螺丝 Screw	扳手 Wrench	刀垫 Shim	刀垫压紧螺钉 Knife pad pressing screw	弹簧 Spring	库存 Stock	Order Number
	h	b	L	h1	f	L1									
JSDNN 2020K12	20	20	125	20	10	40	SNGX1207..	C1RJ	M6X21	PL20 PL40	MC1204	M6X9P	SPR1	○	
2525M12	25	25	150	25	12.5	40								○	
3225P12	32	25	170	32	12.5	40								○	

CSDNN

C类夹紧方式

Type C clamping method

Kr:45°



刀片 (Inserts): A07-A08 零配件 (Toolholder Parts): P03-P06

刀把型号 Ordering code	尺寸 Dimensions						适合刀片 Insert	压板 Clamp	压板压紧螺丝 Screw	扳手 Wrench	刀垫 Shim	刀垫压紧螺钉 Knife pad pressing screw	弹簧 Spring	库存 Stock	Order Number
	h	b	L	h1	f	L1									
CSDNN 2020K12	20	20	125	20	10	35	SNGN1207.. (1204..)	C1RJ	M6X21	PL20 PL40	MC1204	M6X9P	SPR1	○	
2525M12	25	25	150	25	12.5	35								○	
3225P12	32	25	170	32	12.5	35								○	

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

车削刀柄

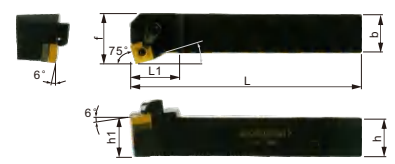
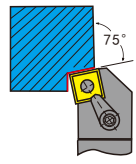
MSKNR



DSKNR



ESKNR



端面车削
End Face Turning

刀片 (Inserts): A07-A08 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	中心销 Pin	刀垫 Shim	扳手 Wrench	压板螺丝 Clamp Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
MSKNR/L 1616H12	16	16	100	35	16	20	SN..1204..	CTM617	MS1204	PL25 PL30	MS625	HL1814	●	●	212800
2020K12	20	20	125	35	20	25							●	●	212802
2525M12	25	25	150	35	25	32							●	●	212804
3232P12	32	32	170	35	32	40	SN..1506..	CTM822	MS1504	PL30 PL40	MS830	HL2217	○	○	212806
2525M15	25	25	150	40	25	32							○	○	212808
3232P15	32	32	170	40	32	40							○	○	212810
3232P19	32	32	170	40	32	40							○	○	212812
4040R19	40	40	200	40	40	50	SN..1906..	CTM1022	MS1904	PL40	MS830	HL2217	○	○	212814

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	刀垫螺丝 Shim Screw	刀垫 Shim	扳手 Wrench	压板螺丝 Clamp Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
DSKNR/L 2020K12	20	20	125	31	20	25	SN..1204..	M6X9P	MS1204	PL30	M6X21	MZG-1	○	○	212820
2525M12	25	25	150	28	25	32							○	○	212822
3232P12	32	32	170	28	32	40							○	○	212826

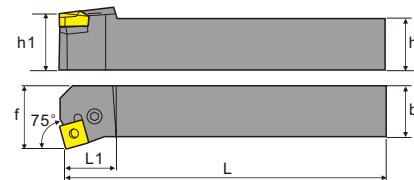
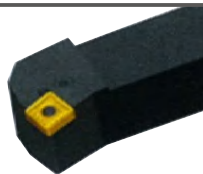
刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	中心销 Pin	刀垫 Shim	扳手 Wrench	压板螺丝 Clamp Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
ESKNR/L 2020K16	20	20	125	35	20	25	SN..1204..	CT618-Z	MS1204	PL25 PL40	M8X25	ES12	○	○	212830
2525M16	25	25	150	37	25	32							○	○	212832
3232P16	32	32	170	37	32	40							○	○	212836

PSKNR/L

P类夹紧方式

Type P clamping method

Kr:75°



刀片 (Inserts): A07-A08 零配件 (Toolholder Parts): P03-P06

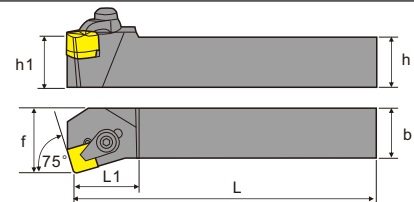
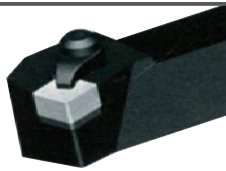
刀把型号 Ordering code	尺寸 Dimensions							螺钉 Nut bolt	刀垫 Shim	扳手 Wrench	杠杆 Lever	挡垫 Baffle pad	库存 Stock		Order Number
	h	b	L	h1	f	L1	R						L		
PSKNR/L 1616H09	16	16	100	16	20	17	VHX0613.4	PS0903	PL25	LV3	SP3	●	○		
2020K09	20	20	125	20	25	20						●	○		
2020K12	20	20	125	20	25	26						●	○		
2525M12	25	25	150	25	32	26	VHX0821	PS1204	PL30	LV4	SP4	●	○		
3232P12	32	32	170	32	40	26						●	○		
2525M15	25	25	150	25	32	32						●	○		
3232P15	32	32	170	32	40	32	VHX0825	PS1504	PL30	LV5	SP5	●	○		
3232P19	32	32	170	32	40	36						●	○		
4040S19	40	40	250	40	50	40						●	○		

CSKNR/L

C类夹紧方式

Type C clamping method

Kr:75°



刀片 (Inserts): A07-A08 零配件 (Toolholder Parts): P03-P06

刀把型号 Ordering code	尺寸 Dimensions						适合刀片 Insert	压板 Clamp	压板压紧螺丝 Screw	扳手 Wrench	刀垫 Shim	刀垫压紧螺钉 Knife pad pressing screw	弹簧 Spring	库存 Stock		Order Number
	h	b	L	h1	f	L1								R	L	
CSKNR/L 2020K12	20	20	125	20	25	25	SNGN1207.. (1204..)	C1RC	M6X21	PL20 PL40	MS1204	M6X9P	SPR1	●	●	
2525M12	25	25	150	25	32	25								●	●	
3225P12	32	25	170	32	32	25								●	●	
3225P15	32	25	170	32	32	30	SNGN1507..	C2RC	M8X30	PL30 PL50	MS1504	M6X9P	SPR3	●	●	

外圆车削

M | D | E | P 型锁紧外圆车刀 M | D | E | P Type Cylindrical Turning Tool

MSSNR



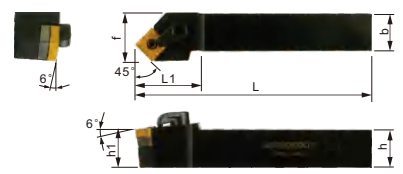
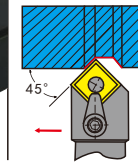
45° 倒角
+外圆车削

45° Chamfer + Cylindrical Turning

DSSNR



ESSNR



刀片 (Inserts): A07-A08 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	中心销 Pin	刀垫 Shim	扳手 Wrench	压板螺丝 Clamp Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
MSSNR/L 1616H12 2020K12 2525M12 3232P12	16	16	100	35	16	20	SN..1204..	CTM617	MS1204	PL25 PL30	MS625	HL1814	●	●	213200
	20	20	125	35	20	25							●	●	213202
	25	25	150	35	25	32							●	●	213204
	32	32	170	35	32	40							●	●	213206
	25	25	150	40	25	32							○	○	213208
2525M15 3232P15	32	32	170	40	32	40	SN..1506..	CTM822	MS1504	PL30 PL40	MS830	HL2217	○	○	213210
	32	32	170	40	32	40							○	○	213212
4040R19	40	40	200	40	40	50	SN..1906..	CTM1022	MS1904	PL40	MS830	HL2217	○	○	213214

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	刀垫螺丝 Shim Screw	刀垫 Shim	扳手 Wrench	压板螺丝 Clamp Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
DSSNR/L 1616H12 2020K12 2525M12 3232P12	16	16	100	35	16	20	SN..1204..	M6X9P	MS1204	PL30	M6X21	MZG-1	○	○	213220
	20	20	125	35	20	25							○	○	213222
	25	25	150	37	25	32							○	○	213224
	32	32	170	37	32	40							○	○	213226

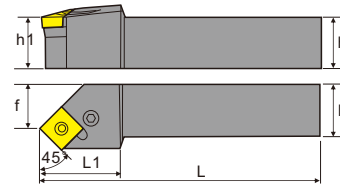
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	h	b	L	L1	h1	f							R	L	
ESSNR/L 2020K16 2525M16 3232P16	20	20	125	35	20	25	SN..1204..	CT618-Z	MS1204	PL25 PL40	M8X25	ES12	○	○	213230
	25	25	150	37	25	32							○	○	213232
	32	32	170	37	32	40							○	○	213236

PSSNR/L

P类夹紧方式

Type P clamping method

Kr:45°



刀片 (Inserts): A07-A08 零配件 (Toolholder Parts): P03-P06

刀把型号 Ordering code	尺寸 Dimensions						螺钉 Nut bolt	刀垫 Shim	扳手 Wrench	杠杆 Lever	挡垫 Baffle pad	库存 Stock		Order Number
	h	b	L	h1	f	L1						R	L	
PSSNR/L 1616H09 2020K12 2525M12 3232P12 2525M15 3232P15 3232P19 4040S19 4040S2507 4040S2509	16	16	100	16	20	25	VHX0821	PS0903	PL25	LV3	SP3	●	●	
	20	20	125	20	25	30	VHX0825	PS1204	PL30	LV4	SP4	●	●	
	25	25	150	25	32	30						●	●	
	32	32	170	32	40	40						●	●	
	25	25	150	25	32	30	VHX0825	PS1504	PL30	LV5	SP5	●	●	
	32	32	170	32	40	40						●	●	
	32	32	170	32	40	40	VHX1027	PS1904	PL40	LV6	SP6	●	●	
	40	40	250	40	50	50						●	●	
	40	40	250	40	50	50						VHX1236	PS25-07 PS25-09	PL50
40	40	250	40	50	50									

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

车削刀柄
CSV
凸轮车床刀具

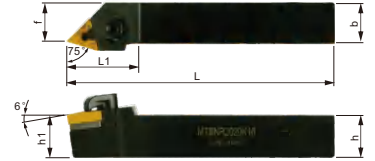
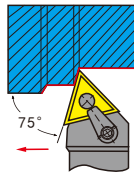
MTBNR



WTBNR



外圆车削
Cylindrical Turning



图示方向 (R) R-Type

刀片 (Inserts): A09-A12 零配件 (Toolholder Parts): P03-P06

DS
刀柄

正面排刀

Y轴刀柄

前
车削

后
车削

小径切槽
切断
螺纹

小孔加工

滚花车花

焊接车刀
夹头

外圆车削

内孔车削

螺纹车削

切槽
切断

端面切槽

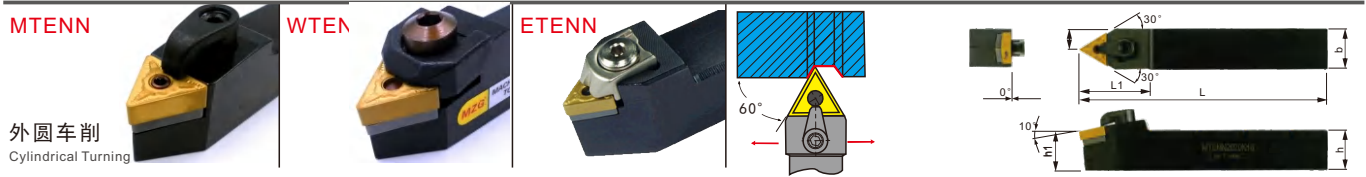
阻尼
模组

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	中心销 Pin	刀垫 Shim	扳手 Wrench	压板螺丝 Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
MTBNR/L 1616H16	16	16	100	28	16	15.5	TN..1604..	CTM513	MT1603	PL20 PL30	MS625	HL1814	●	●	214100
2020K16	20	20	125	28	20	15.5							●	●	214102
2525M16	25	25	150	30	25	20.5							●	●	214104

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	中心销 Pin	刀垫 Shim	扳手 Wrench	压板螺丝 Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
WTBNR/L 1616H16	16	16	100	31.5	16	15.5	TN..0604..	CTM515-T	MT1603	PL25 PL40	M5x23	WT-16	●	●	214200
2020K16	20	20	125	33	20	15.5							●	●	214202
2525M16	25	25	150	33	25	20.5							●	●	214204
3232P16	32	32	170	33	32	27.5							●	●	214206

外圆车削

M | D | E | P 型锁紧外圆车刀 M | D | E | P Type Cylindrical Turning Tool



外圆车削
Cylindrical Turning

图示方向 (R) R-Type

刀片 (Inserts): A09-A12 零配件 (Toolholder Parts): P03-P06

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	中心销 Pin	刀垫 Shim	扳手 Wrench	压板螺丝 Screw	压板 Clamp	Stock	Order Number
	h	b	L	L1	h1	f								
MTENN 1616H16 2020K16 2525M16 3232P16	16	16	100	30	16	8	TN..1604..	CTM513	MT1603	PL20 PL30	MS625	HL1814	●	214300
	20	20	125	28	20	10								214302
	25	25	150	30	25	12.5								214304
	32	32	170	30	32	16								214306
2525M22 3232P22	25	25	150	36	25	12.5	TN..2204..	CTM617	MT2204	PL25 PL40	MS830	HL1917	○	214308
	32	32	170	36	32	16							○	214310

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	中心销 Pin	刀垫 Shim	扳手 Wrench	压板螺丝 Screw	压板 Clamp	Stock	Order Number
	h	b	L	L1	h1	f								
WTENN 2020K16 2525M16 3232P16	20	20	125	36	20	10	TN..1604..	CTM515-T	MT1603	PL25 PL40	M5×23	WT-16	●	214400
	25	25	150	36	25	12.5							●	214402
	32	32	170	36	32	16							●	214404

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	中心销 Pin	刀垫 Shim	扳手 Wrench	压板螺丝 Clamp Screw	压板 Clamp	Stock	Order Number
	h	b	L	L1	h1	f								
ETENN 2020K16 2525M16 3232P16	20	20	125	36	20	10	TN..1604..	CT515-Z	MT1603	PL25 PL40	M8X25	ET16	●	214420
	25	25	150	36	25	12.5							●	214422
	32	32	170	36	32	16							●	214426

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

车削刀柄

CSV 凸轮 车床 刀具

DS 刀柄

正面 排刀

Y轴 刀柄

前 车削

后 车削

小径 切槽 切断 螺纹

小孔 加工

滚花 车花

焊接 车刀 夹头

外圆 车削

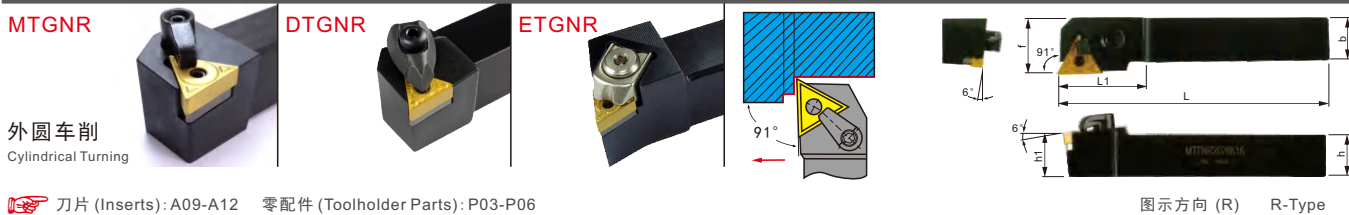
内孔 车削

螺纹 车削

切槽 切断

端面 切槽

阻尼 模组



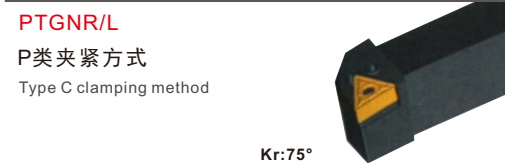
刀片 (Inserts): A09-A12 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	中心销 Pin	刀垫 Shim	扳手 Wrench	压板螺丝 Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
MTGNR/L 1616H16 2020K16 2525M16 3232P16	16	16	100	30	16	20	TN..1604..	CTM513	MT1603	PL20 PL30	MS625	HL1814	●	●	213800
	20	20	125	28	20	25							○	○	213802
	25	25	150	30	25	32							●	●	213804
	32	32	170	30	32	40							●	●	213806
2525M22 3232P22	25	25	150	36	25	32	TN..2204..	CTM617	MT2204	PL25 PL40	MS830	HL1917	○	○	213808
	32	32	170	36	32	40							○	○	213810

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	刀垫螺丝 Shim Screw	刀垫 Shim	扳手 Wrench	压板螺丝 Clamp Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
DTGNR/L 1616H16 2020K16 2525M16 3232P22	16	16	100	29	16	20	TN..1604..	M5X9P	MT1603	PL30	M6X21	MZG-3	○	○	213920
	20	20	125	29	20	25							○	○	213922
	25	25	150	31	25	32							○	○	213924
	32	32	170	32	32	40							○	○	213926

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	中心销 Pin	刀垫 Shim	扳手 Wrench	压板螺丝 Clamp Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
ETGNR/L 2020K16 2525M16 3232P16	20	20	125	32	20	25	TN..1604..	CT515-Z	MT1603	PL25 PL40	M8X25	ET16	○	○	213930
	25	25	150	34	25	32							○	○	213932
	32	32	170	34	32	40							○	○	213936

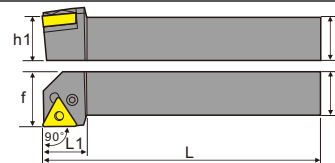


PTGNR/L

P类夹紧方式

Type C clamping method

Kr:75°



刀片 (Inserts): A09-A12 零配件 (Toolholder Parts): P03-P06

刀把型号 Ordering code	尺寸 Dimensions						螺钉 Nut bolt	刀垫 Shim	扳手 Wrench	杠杆 Lever	挡垫 Baffle pad	库存 Stock		Order Number
	h	b	L	h1	f	L1						R	L	
PTGNR/L 1010E11 1212F11 1616H11 2020K11 2525M11	10	10	70	10	14	16	VHX0509		PL20	LV2		○	○	
	12	12	80	12	16	14						○	○	
	16	16	100	16	20	18						●	●	
	20	20	125	20	25	19						●	●	
	25	25	150	25	32	20						●	●	
1616H16 2020K16 2525M16 3232P16 2525M22 3232P22	16	16	100	16	20	20	VHX0613.4	PT16AP	PL25	LV3	SP3	●	●	
	20	20	125	20	25	20						●	●	
	25	25	150	25	32	20						●	●	
	32	32	170	32	40	20						●	●	
	25	25	150	25	32	28						●	●	
3232P27 4040S27	32	32	170	32	40	28	VHX0821	PT22AP	PL30	LV4	SP4	●	●	
	32	32	170	32	40	28						●	●	
	32	32	170	32	40	33						●	●	
	40	40	250	40	50	33	VHX0825	PT27AP	PL30	LV5	SP5	●	●	

外圆车削

M D E P 型锁紧外圆车刀 M D E P Type Cylindrical Turning Tool

MTFNR

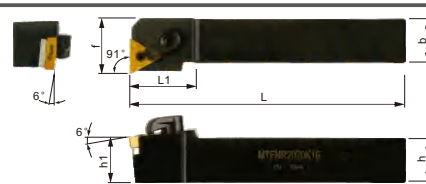
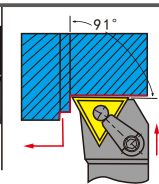
外圆车削
Cylindrical Turning
端面车削
End Face Turning



DTFNR



ETFNR



刀片 (Inserts): A09-A12 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	中心销 Pin	刀垫 Shim	扳手 Wrench	压板螺丝 Clamp Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
MTFNR/L 1616H16	16	16	100	30	16	20	TN..1604..	CTM513	MT1603	PL20 PL30	MS625	HL1814	●	●	213800
	20	20	125	28	20	25							●	●	213802
	25	25	150	30	25	32							●	●	213804
	32	32	170	30	32	40							●	●	213806
2525M16	25	25	150	36	25	32	TN..2204..	CTM617	MT2204	PL25 PL40	MS830	HL1917	○	○	213808
	32	32	170	36	32	40							○	○	213810

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	刀垫螺丝 Shim Screw	刀垫 Shim	扳手 Wrench	压板螺丝 Clamp Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
DTFNR/L 1616H16	16	16	100	29	16	20	TN..1604..	M5X9P	MT1603	PL30	M6X21	MZG-3	○	○	213820
	20	20	125	29	20	25							○	○	213822
	25	25	150	31	25	32							○	○	213824
	32	32	170	31	32	40							○	○	213826

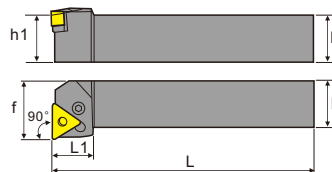
刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	中心销 Pin	刀垫 Shim	扳手 Wrench	压板螺丝 Clamp Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
ETFNR/L 2020K16	20	20	125	32	20	25	TN..1604..	CT515-Z	MT1603	PL25 PL40	M8X25	ET16	○	○	213830
	25	25	150	34	25	32							○	○	213832
	32	32	170	34	32	40							○	○	213836

PTFNR/L

P类夹紧方式
Type P clamping method



Kr:90°



刀片 (Inserts): A09-A12 零配件 (Toolholder Parts): P03-P06

刀把型号 Ordering code	尺寸 Dimensions						螺钉 Nut bolt	刀垫 Shim	扳手 Wrench	杠杆 Lever	挡垫 Baffle pad	库存 Stock		Order Number
	h	b	L	h1	f	L1						R	L	
PTFNR/L 1616H16	16	16	100	16	20	20	VHX0613.4	PT16AP	PL25	LV3	SP3	○	○	
	20	20	125	20	25	20						●	●	
	25	25	150	20	32	20						●	●	
	32	32	170	25	32	25						●	●	
2525M16	25	25	170	25	32	25	VHX0821	PT22AP	PL30	LV4	SP4	●	●	
	32	32	170	32	40	25						●	●	
	40	40	250	40	50	34						●	●	
3232P27	32	32	170	32	40	34	VHX0825	PT27AP	PL30	LV5	SP5	●	●	
4040S27	40	40	250	40	50	34						●	●	

车削
车刀

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
车刀

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

车削
刀柄

CSV
凸轮
车削
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

端面
切槽

阻尼
模组

MTQNR

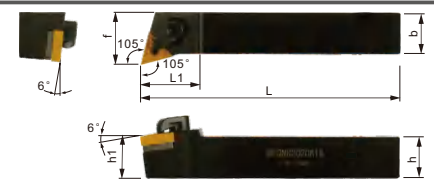
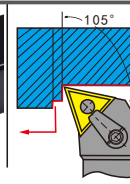
外圆车削
Cylindrical Turning
端面车削
End Face Turning



WTQNR



ETQNR



刀片 (Inserts): A09-A12 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

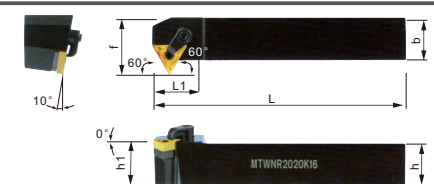
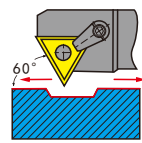
刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	中心销 Pin	刀垫 Shim	扳手 Wrench	压板螺丝 Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
MTQNR/L 1616H16	16	16	100	30	16	20	TN..1604..	CTM513	MT1603	PL20 PL30	MS625	HL1814	●	●	213700
2020K16	20	20	125	28	20	25							●	●	213702
2525M16	25	25	150	30	25	32							●	●	213704
3232P16	32	32	170	30	32	40							●	●	213706
2525M22	25	25	150	36	25	32	TN..2204..	CTM617	MT2204	PL25 PL40	MS830	HL1917	○	○	213708
3232P22	32	32	170	36	32	40							○	○	213710

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	中心销 Pin	刀垫 Shim	扳手 Wrench	压板螺丝 Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
WTQNR/L 2020K16	20	20	125	32	20	25	TN..1604..	CTM515-T	MT1603	PL25 PL40	M5×23	WT-16	●	●	213600
2525M16	25	25	150	32	25	32							●	●	213602
3232P16	32	32	170	32	32	40							●	●	213604

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	中心销 Pin	刀垫 Shim	扳手 Wrench	压板螺丝 Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
ETQNR/L 2020K16	20	20	125	32	20	25	TN..1604..	CT515-Z	MT1603	PL25 PL40	M8×25	ET16	○	○	213620
2525M16	25	25	150	34	25	32							○	○	213622
3232P16	32	32	170	34	32	40							○	○	213626

MTWNR

外圆车削
Cylindrical Turning



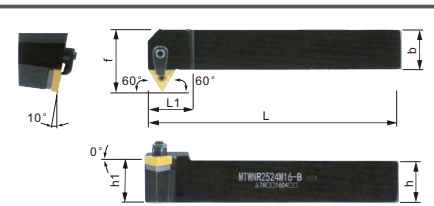
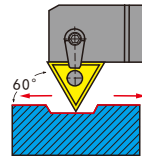
刀片 (Inserts): A09-A12 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	中心销 Pin	刀垫 Shim	扳手 Wrench	压板螺丝 Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
MTWNR/L 1616H16	16	16	100	30	16	20	TN..1604..	CTM513	MT1603	PL20 PL30	MS625	HL1814	●	●	213620
2020K16	20	20	125	30	20	25							●	●	213622
2525M16	25	25	150	30	25	32							●	●	213626

MTWNR..B

外圆车削
Cylindrical Turning



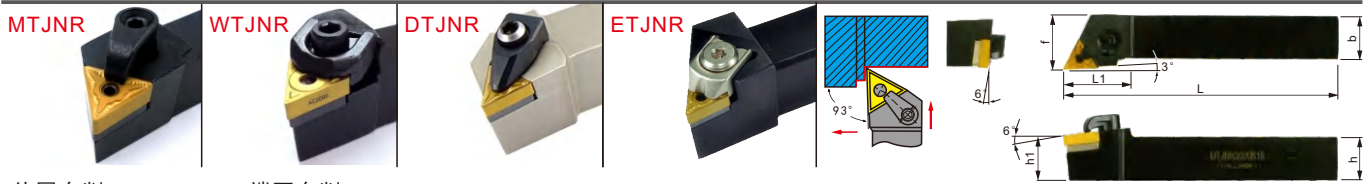
刀片 (Inserts): A09-A12 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	中心销 Pin	刀垫 Shim	扳手 Wrench	压板螺丝 Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
MTWNR/L 2020K16-B	20	20	125	26	20	33.5	TN..1604..	CTM513	MT1603	PL20 PL30	MS625	HL1814	●	●	213630
2524M16-B	25	24	150	26	25	37.5							●	●	213632

外圆车削

M D E P 型锁紧外圆车刀 M D E P Type Cylindrical Turning Tool



外圆车削 Cylindrical Turning 端面车削 End Face Turning

刀片 (Inserts): A09-A12 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	中心销 Pin	刀垫 Shim	扳手 Wrench	压板螺丝 Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
MTJNR/L 1616H16 2020K16 2525M16 3232P16	16	16	100	30	16	20	TN..1604..	CTM513	MT1603	PL20 PL30	MS625	HL1814	●	●	213400
	20	20	125	28	20	25							●	●	213402
	25	25	150	30	25	32							●	●	213404
	32	32	170	30	32	40							●	●	213406
2525M22 3232P22 4040R22	25	25	150	36	25	32	TN..2204..	CTM617	PL25 PL40	Ms830	HL1917	○	○	213408	
	32	32	170	36	32	40						○	○	213410	
	40	40	200	40	40	50						○	○	213412	

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	刀垫螺丝 Shim Screw	刀垫 Shim	扳手 Wrench	压板螺丝 Clamp Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
DTJNR/L 2020K16 2525M16 3232P16	20	20	125	30	20	25	TN..1604..	CTM515-T	MT1603	PL25 PL40	M5×23	HLT-16	○	○	213320
	25	25	150	30	25	32							○	○	213322
	32	32	170	32	32	40							○	○	213326

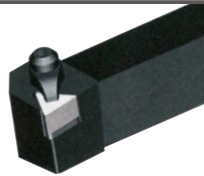
刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	中心销 Pin	刀垫 Shim	扳手 Wrench	压板螺丝 Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
WTJNR/L 1616H16 2020K16 2525M16 3232P16	16	16	100	32	16	22	TN..1604..	CTM515-T	MT1603	PL25 PL40	M5×23	WT-16	○	○	213300
	20	20	125	32	20	25							○	○	213302
	25	25	150	34	25	32							○	○	213304
	32	32	170	34	32	40							○	○	213306

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	中心销 Pin	刀垫 Shim	扳手 Wrench	压板螺丝 Clamp Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
ETJNR/L 1616H16 2020K16 2525M16 3232P16	16	16	100	32	16	22	TN..1604..	CT515-Z	MT1603	PL25 PL40	M8X25	ET16	○	○	213500
	20	20	125	32	20	25							○	○	213502
	25	25	150	34	25	32							○	○	213504
	32	32	170	34	32	40							○	○	213506

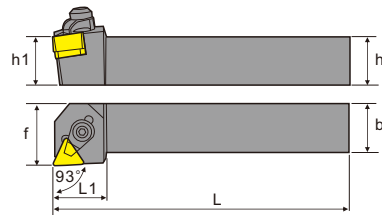
CTJNR/L

C类夹紧方式

Type C clamping method



Kr:93°



刀片 (Inserts): A09-A12 零配件 (Toolholder Parts): P03-P06

刀把型号 Ordering code	尺寸 Dimensions						适合刀片 insert	压板 Clamp	压板压紧螺丝 Screw	扳手 Wrench	刀垫 Shim	刀垫压紧螺钉 Knibs pad pressing screw	弹簧 Spring	库存 Stock		Order Number
	h	b	L	h1	f	L1								R	L	
CTJNR/L 2020K16 2525M16	20	20	125	20	25	30	TNGN1607.. (1604..)	C1RC	M6X21	PL20 PL40	MT1603	M6X9P	SPR1	○	○	
	25	25	150	25	32	30								○	○	

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

车削
刀柄

CSV
凸轮
车削
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

端面
切槽

阻尼
模组

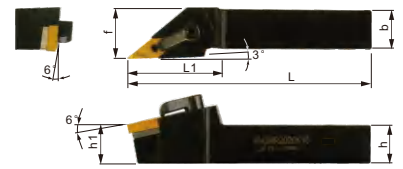
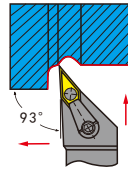
MVJNR



DVJNR



EVJNR



外圆车削
Cylindrical Turning
端面车削
End Face Turning

刀片 (Inserts): A13-A14 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	中心销 Pin	刀垫 Shim	扳手 Wrench	压板螺丝 Clamp Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
MVJNR/L 1616H16 2020K16 2525M16 3232P16	16	16	100	30	16	20	VN..1604..	CTM513	MV1603	PL20 PL30	MS625	HL2414	●	●	214500
	20	20	125	28	20	25							●	●	214502
	25	25	150	30	25	32							●	●	214504
	32	32	170	30	32	40							●	●	214506

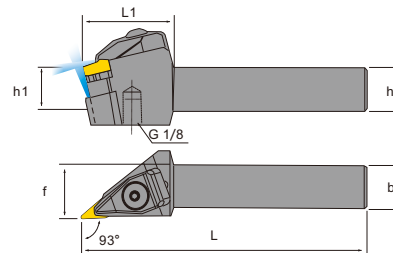
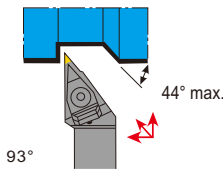
刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	刀垫螺丝 Shim Screw	刀垫 Shim	扳手 Wrench	压板螺丝 Clamp Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
DVJNR/L 1616K16 2020K16 2525M16 3232P16	16	16	125	48	16	20	VN..1604..	M5X9P	MV1603	PL30	M6X21	MZG-4	○	○	214520
	20	20	125	48	20	25							○	○	214522
	25	25	150	48	25	32							○	○	214524
	32	32	170	48	32	40							○	○	214526

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	中心销 Pin	刀垫 Shim	扳手 Wrench	压板螺丝 Clamp Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
EVJNR/L 2020K16 2525M16 3232P16	20	20	125	48	20	25	VN..1604..	CT515-Z	MV1603	PL25 PL40	M8X25	EV16	○	○	214532
	25	25	150	48	25	32							○	○	214534
	32	32	170	48	32	40							○	○	214536

TVJNR/L

带高压冷却的T型刀杆

T-shaped arbor with high pressure cooling



刀片 (Inserts): A13-A14 零配件 (Toolholder Parts): P03-P06

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	刀垫螺丝 Shim Screw	刀垫 Shim	扳手 Wrench	压板螺丝 Clamp Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
TVJNR/L 1616K16 2020K16 2525M16 3232P16	16	16	125	48	16	30	VN..1604..	M5X9P	MV1603	PL30	M6X21	MZG-4T	○	○	
	20	20	125	48	20	30							○	○	
	25	25	150	48	25	35							○	○	
	32	32	170	48	32	40							○	○	

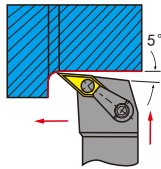
外圆车削

M D E P 型锁紧外圆车刀 M D E P Type Cylindrical Turning Tool

MVUNR



DVUNR



外圆车削
Cylindrical Turning
端面车削
End Face Turning

刀片 (Inserts): A13-A14 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	中心销 Pin	刀垫 Shim	扳手 Wrench	压板螺丝 Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
MVUNR/L 2020K16	20	20	125	28	20	25	VN..1604..	CTM513	MV1603	PL20 PL30	MS625	HL2414	●	●	214800
2525M16	25	25	150	30	25	32							●	●	214802
3232P16	32	32	170	30	32	40							●	●	214804

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	刀垫螺丝 Shim Screw	刀垫 Shim	扳手 Wrench	压板螺丝 Clamp Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
DVUNR/L 2020K16	20	20	125	35	20	30	VN..1604..	M5X9P	MV1603	PL30	M6X21	MZG-3	○	○	214820
2525M16	25	25	150	35	25	32							○	○	214822
3232P16	32	32	170	35	32	40							○	○	214826

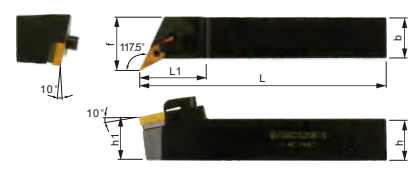
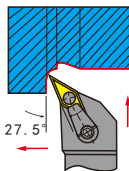
MVQNR



DVQNR



EVQNR



外圆车削
Cylindrical Turning
端面车削
End Face Turning

刀片 (Inserts): A13-A14 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	中心销 Pin	刀垫 Shim	扳手 Wrench	压板螺丝 Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
MVQNR/L 1616H16	16	16	100	30	16	20	VN..1604..	CTM513	MV1603	PL20 PL30	MS625	HL2414	●	●	214700
2020K16	20	20	125	28	20	25							●	●	214702
2525M16	25	25	150	30	25	32							●	●	214704
3232P16	32	32	170	30	32	40							●	●	214706

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	刀垫螺丝 Shim Screw	刀垫 Shim	扳手 Wrench	压板螺丝 Clamp Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
DVQNR/L 1616H16	16	16	100	40	16	20	VN..1604..	M5X9P	MV1603	PL30	M6X21	MZG-3	○	○	214720
2020K16	20	20	125	40	20	25							○	○	214722
2525M16	25	25	150	40	25	32							○	○	214724
3232P16	32	32	170	40	32	40							○	○	214726

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	中心销 Pin	刀垫 Shim	扳手 Wrench	压板螺丝 Clamp Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
EVQNR/L 2020K16	20	20	125	40	20	25	VN..1604..	CT515-Z	MV1603	PL25 PL40	M8X25	EV16	○	○	214732
2525M16	25	25	150	40	25	32							○	○	214734
3232P16	32	32	170	40	32	40							○	○	214736

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

MVVNN

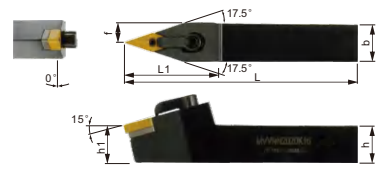
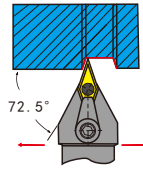
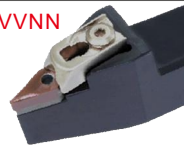
外圆车削
Cylindrical Turning
端面车削
End Face Turning



DVVNN



EVVNN



图示方向 (R) R-Type

刀片 (Inserts): A13-A14 零配件 (Toolholder Parts): P03-P06

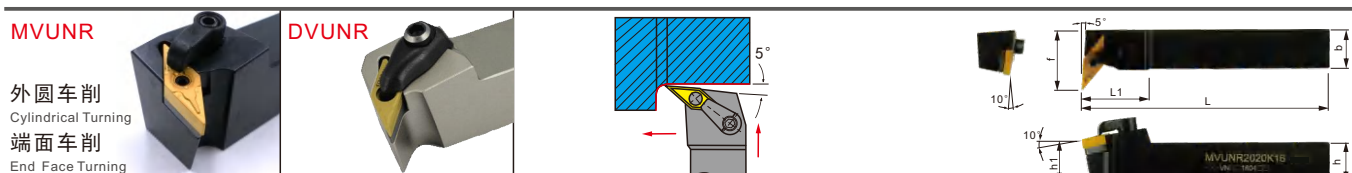
刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	中心销 Pin	刀垫 Shim	扳手 Wrench	压板螺丝 Clamp Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
MVVNN 1616H16	16	16	100	30	16	10	VN..1604..	CTM513	MV1603	PL20 PL30	MS625	HL2414	●	●	214900
	2020K16	20	20	125	28	20							10	●	●
2525M16	25	25	150	30	25	12.5							●	●	214904
3232P16	32	32	170	30	32	16							●	●	214906

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	刀垫螺丝 Shim Screw	刀垫 Shim	扳手 Wrench	压板螺丝 Clamp Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
DVVNN 1616K16	16	16	125	48	16	8	VN..1604..	M5X9P	MV1603	PL30	M6X21	MZG-4	○	○	214920
	2020K16	20	20	125	48	20							10	○	○
2525M16	25	25	150	48	25	12.5							○	○	214924
3232P16	32	32	170	48	32	20							○	○	214926

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	中心销 Pin	刀垫 Shim	扳手 Wrench	压板螺丝 Clamp Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
EVVNN 2020K16	20	20	125	48	20	10	VN..1604..	CT515-Z	MV1603	PL25 PL40	M8X25	EV16	○	○	214932
	2525M16	25	25	150	48	25							12.5	○	○
3232P16	32	32	170	48	32	20							○	○	214936

外圆车削

M | D | E | P 型锁紧外圆车刀 M | D | E | P Type Cylindrical Turning Tool



刀片 (Inserts): A13-A14 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	中心销 Pin	刀垫 Shim	扳手 Wrench	压板螺丝 Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
MVUNR/L 2020K16 2525M16 3232P16	20	20	125	28	20	25	VN..1604..	CTM513	MV1603	PL20 PL30	MS625	HL2414	●	●	214800
	25	25	150	30	25	32							●	●	214802
	32	32	170	30	32	40							●	●	214804

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	刀垫螺丝 Shim Screw	刀垫 Shim	扳手 Wrench	压板螺丝 Clamp Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
DVUNR/L 2020K16 2525M16 3232P16	20	20	125	35	20	30	VN..1604..	M5X9P	MV1603	PL30	M6X21	MZG-3	○	○	214820
	25	25	150	35	25	32							○	○	214822
	32	32	170	35	32	40							○	○	214826

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

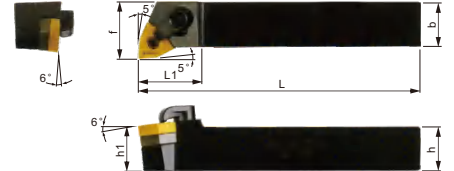
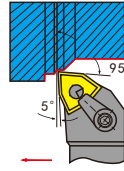
车削刀柄
CSV
凸轮车削刀具

MWLNLR

外圆车削
Cylindrical Turning
端面车削
End Face Turning



DWLNLR



刀片 (Inserts): A15-A17 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	中心销 Pin	刀垫 Shim	扳手 Wrench	压板螺丝 Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
MWLNLR/L 1616H06 2020K06 2525M06 1616H08	16	16	100	31.5	16	20	WN..0604..	CTM513	MW0603	PL20 PL30	MS625	HL1814	●	●	215200
	20	20	125	33	20	25							●	●	215202
	25	25	150	33	25	32							●	●	215204
	16	16	100	31.5	16	20							●	●	215206
2020K08 2525M08 3232P08	20	20	125	39	20	25	WN..0804..	CTM617	MW0804	PL25 PL30	HL1814	●	●	215208	
	25	25	150	40	25	32						●	●	215210	
	32	32	170	42	32	40						●	●	215212	

DS
刀柄
正面排刀
Y轴刀柄

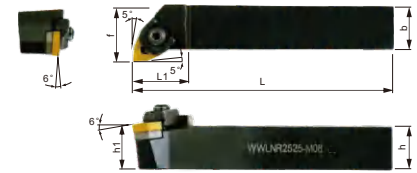
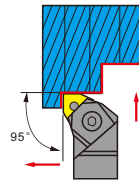
刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	刀垫螺丝 Shim Screw	刀垫 Shim	扳手 Wrench	压板螺丝 Clamp Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
DWLNLR/L 1616H06 2020K06 2525M06 3232P06	16	16	100	28	16	20	WN..0604..	M5X9P	MW0603	PL30	M6X21	MZG-3	○	○	215220
	20	20	125	26	20	25							○	○	215222
	25	25	150	32	25	32							○	○	215226
	32	32	170	40	32	40							○	○	215228
1616H08 2020K08 2525M08 3232P08	16	16	100	31	16	20	WN..0804..	M6X9P	MW0804	PL30	M6X21	MZG-1	○	○	215230
	20	20	125	28	20	25							○	○	215232
	25	25	150	32	25	32							○	○	215236
	32	32	170	32	32	40							○	○	215238

前
车削
后
车削

小径
切槽
切断
螺纹

WWLNLR

外圆车削
Cylindrical Turning
端面车削
End Face Turning



刀片 (Inserts): A15-A17 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	中心销 Pin	刀垫 Shim	扳手 Wrench	压板螺丝 Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
WWLNLR/L 1616H08 2020K08 2525M08 3232P08	16	16	100	38	16	20	WN..0804..	CT618-W	MW0804	PL30 PL40	M6×25	WW-08	●	●	215100
	20	20	125	38	20	25							●	●	215102
	25	25	150	38	25	32							●	●	215104
	32	32	170	38	32	40							●	●	215106

焊接
车刀
夹头

外圆
车削

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	中心销 Pin	刀垫 Shim	扳手 Wrench	压板螺丝 Clamp Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
EWLNLR/L 1616H08 2020K08 2525M08 3232P08	16	16	100	38	16	25	WN..0804..	CT618-Z	MW0804	PL30 PL40	M8X25	HLZ-08	○	○	215120
	20	20	125	38	20	25							○	○	215122
	25	25	150	38	25	32							○	○	215126
	32	32	170	38	32	40							○	○	215128

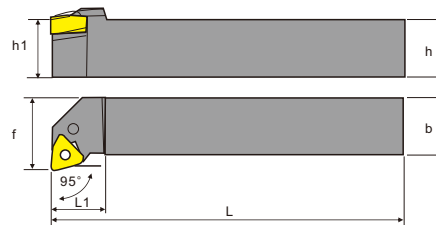
内孔
车削

PWLNLR/L

P类夹紧方式

Type P clamping method

Kr:95°



刀片 (Inserts): A15-A17 零配件 (Toolholder Parts): P03-P06

刀把型号 Ordering code	尺寸 Dimensions								螺钉 Nut bolt	刀垫 Shim	扳手 Wrench	杠杆 Lever	挡垫 Baffle pad
	R	L	h	b	L	h1	f	L1					
PWLNLR/L 1616H06 2020K06 2525M06 2020K08 2525M08	▲	▲	16	16	100	16	20	20	VHX0613.4	PW06AP	PL25	LV3	SP2
	▲	▲	20	20	125	20	25	20					
	▲	▲	25	25	150	25	32	20					
	▲	▲	20	20	125	20	25	26					
2525M08	▲	▲	25	25	150	25	32	26	VHX0821	PW08AP	PL30	LV4	SP4

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

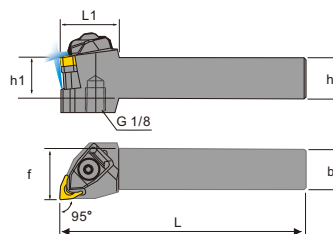
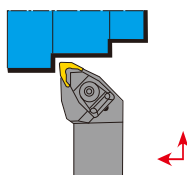
外圆车削

M D E P 型锁紧外圆车刀 M D E P Type Cylindrical Turning Tool

TWLNLR/L

带高压冷却的T型刀杆

T-shaped arbor with high pressure cooling



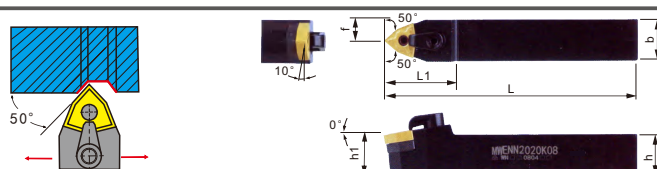
刀片 (Inserts): A15-A17 零配件 (Toolholder Parts): P03-P06

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	刀垫螺丝 Shim Screw	刀垫 Shim	扳手 Wrench	压板螺丝 Clamp Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
TWLNLR/L 1616H08	16	16	100	31	16	20	WN..0804..	M6X9P	MW0804	PL30	M6X21	MZG-1T	○	○	215230
2020K08	20	20	125	28	20	25							○	○	215232
2525M08	25	25	150	32	25	32							○	○	215236
3232P08	32	32	170	32	32	40							○	○	215238

MWENN

外圆车削

Cylindrical Turning



刀片 (Inserts): A15-A17 零配件 (Toolholder Parts): P03-P06

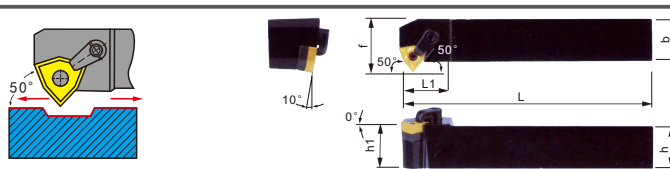
刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	中心销 Pin	刀垫 Shim	扳手 Wrench	压板螺丝 Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
MWENN 1616H08	16	16	100	33	16	8	WN..0804..	CTM617	MW0804	PL25 PL30	MS625	HL1814	○	○	215250
2020K08	20	20	125	33	20	10							○	○	215252
2525M08	25	25	150	33	25	12.5							○	○	215254
3232P08	32	32	170	33	32	16							○	○	215256

图示方向 (R) R-Type

MWWNR

外圆车削

Cylindrical Turning



刀片 (Inserts): A15-A17 零配件 (Toolholder Parts): P03-P06

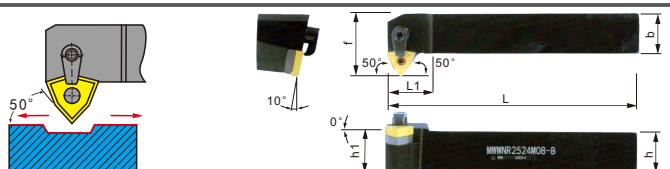
刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	中心销 Pin	刀垫 Shim	扳手 Wrench	压板螺丝 Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
MWWNR/L 1616H08	16	16	100	33	16	20	WN..0804..	CTM617	MW0804	PL25 PL30	MS625	HL1814	●	●	215260
2020K08	20	20	125	33	20	25							●	●	215262
2525M08	25	25	150	33	25	32							●	●	215264
3232P08	32	32	170	33	32	40							●	●	215266

图示方向 (R) R-Type

MWWNR..B

外圆车削

Cylindrical Turning



刀片 (Inserts): A15-A17 零配件 (Toolholder Parts): P03-P06

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	中心销 Pin	刀垫 Shim	扳手 Wrench	压板螺丝 Screw	压板 Clamp	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
MWWNR/L 2020K08-B	20	20	125	26	20	33.5	WN..0804..	CTM617	MW0804	PL25 PL30	MS625	HL1814	●	●	215270
2524M08-B	25	24	150	26	25	37.5							●	●	215272

图示方向 (R) R-Type

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

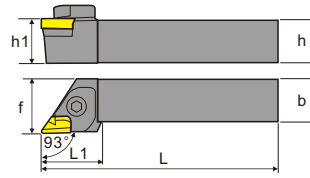
端面
切槽

阻尼
模组

CKJNR/L

C类夹紧方式
Type C clamping method

Kr:93°

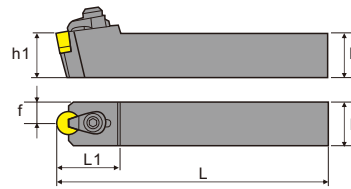
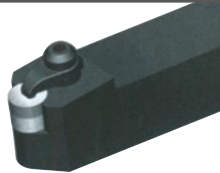


刀片 (Inserts): A05 零配件 (Toolholder Parts): P03-P06

刀把型号 Ordering code	尺寸 Dimensions						适合刀片 Insert	压板 Clamp	压板螺钉 Platen screw	弹簧 Spring	销钉 Dowel	刀垫 Shim	刀垫螺钉 Knife pad screw	扳手 Wrench	库存 Stock	Order Number
	h	b	L	h1	f	L1										
CKJNR 2525M16	25	25	150	25	32	32	KNUX1604..R	C6R1T	M6×25	SPR1 SPR2	P0515	CK16	M6X9P	PL20 PL40	○	
3232P16	32	32	170	32	40	32										
4040R16	40	40	200	40	50	32	KNUX1604..L	C6L1T				CK16L		○		
CKJNL 2525M16	25	25	150	25	32	32										
3232P16	32	32	170	32	40	32								○		
4040R16	40	40	200	40	50	32								○		

CRDNN

C类夹紧方式
Type C clamping method



刀片 (Inserts): A06 零配件 (Toolholder Parts): P03-P06

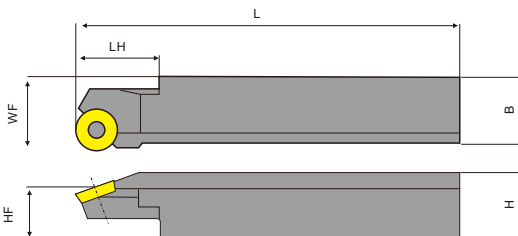
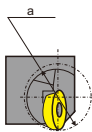
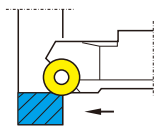
刀把型号 Ordering code	尺寸 Dimensions						适合刀片 Insert	压板 Clamp	压板压紧螺钉 Pressing plate pressing screw	扳手 Wrench	刀垫 Shim	刀垫压紧螺钉 Knife pad pressing screw	弹簧 Spring	库存 Stock	Order Number
	h	b	L	h1	f	L1									
CRDNN 2020K12	20	20	125	20	10	32	RNGN1207.. (1204..)	C1RC	M6X21	PL20 PL40	CR12CC-07 CR12CC-04	M6X9P	SPR1	○	
2525M12	25	25	150	25	12.5	32									
3225P12	32	32	170	32	12.5	32									
3232P15	32	32	170	32	17.5	40	RNGN1507..	C2RC	M8X30	PL20 PL50	CR15CC-07	M6X9P	SPR3	○	
4040R15	40	40	200	40	20	40									

外圆车削

M D E P 型锁紧外圆车刀 M D E P Type Cylindrical Turning Tool

SRCP-B (内径加工)

SRCP-B (inner diameter machining)



本图为右手(R)
This image is for the right hand (R)

刀片 (Inserts): A24 零配件 (Toolholder Parts): P03-P06

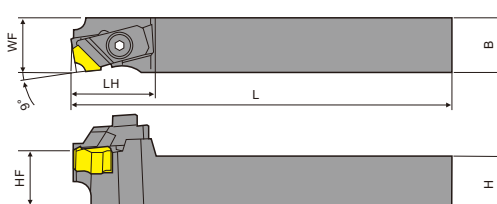
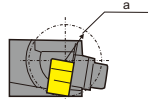
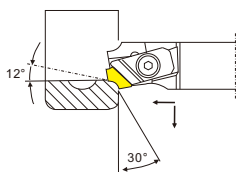
型号 Model number	最小加工径 Minimum machining diameter	尺寸 dimension						零件 parts			库存 inventory		Order Number	
		a	H	HF	B	L	LH	WF	紧固螺钉 Fastening screw	扳手 wrench	适用刀片 Suitable for Insert	R		L
SRCP ^{R/L} 2020B-12-A20	20	20	15.5	20	125	25	22	SB-4TR		-	RPMT1203MO-BB	●	●	
2525B-16-A32	32	25	20	25	150	31	27	SB-5090TR		LTW	RPMT1604MO-BB	●		

适用刀片 Applicable blade

形状 shape	型号 Model number	尺寸 (mm) Size (mm)		
		IC	S	D1
	RPMT 1203MO-BB 1604MO-BB	12.0 16.0	3.18 4.76	4.4 5.5

CBSN-B (内径R倒角加工)

CBSN-B (inner diameter R chamfering)



本图为右手(R)
This image is for the right hand (R)

刀片 (Inserts): ... 零配件 (Toolholder Parts): P03-P06

型号 Model number	最小加工径 Minimum machining diameter	尺寸 (mm) dimension (mm)						零件 parts			库存 inventory		Order Number
		a	H	HF	B	L	LH	WF	紧固螺钉 Fastening screw	扳手 wrench	适用刀片 Suitable for Insert	R	
CBSN ^{R/L} 2020B-12-A20	20	20	21	20	125	32	20	CP-RCR	PI50	SNMF1204...-21	●	○	
2525B-16-A32		25	25	25	150		25				●	○	

适用刀片 Applicable blade

形状 shape	型号 Model number	尺寸 (mm) Size (mm)			
		INSL	S	CDX	RE
	SNMF 120406-21 120410-21 120416-21 120421-21 120426-21	12.70	4.76	1.5 3.0 3.1 3.2 3.3	0.6 1.0 1.6 2.1 2.6

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

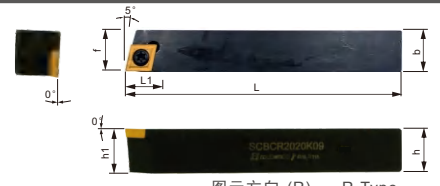
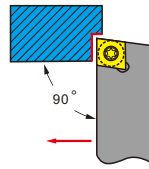
端面
切槽

阻尼
模组

车削刀柄
CSV
凸轮车床
刀具

SCACR

外圆车削
Cylindrical Turning
端面车削
End Face Turning



图示方向 (R) R-Type

刀片 (Inserts): A19-A20 零配件 (Toolholder Parts): P03-P06

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number	
	h	b	L	L1	h1	f				R	L		
SCACR/L 0808K06	8	8	125	10	8	8	CC..0606..	T8	M2.5×7	●	●	216300	
	1010K06	10	10	125	10	10				●	●	216302	
1212K09	12	12	125	13	12	12	CC..09T3..	T15	M4×10	●	●	216304	
	1414K09	14	14	125	13	14				14	●	●	216305
	1616K09	16	16	125	13	16				16	●	●	216306

DS
刀柄

正面排刀

Y轴刀柄

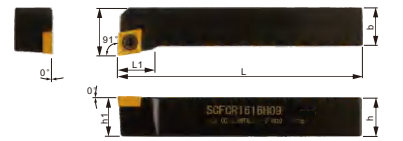
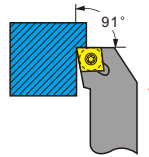
前车削

后车削

小径切槽
切断
螺纹

SCFCR

外圆车削
Cylindrical Turning
端面车削
End Face Turning



图示方向 (R) R-Type

刀片 (Inserts): A19-A20 零配件 (Toolholder Parts): P03-P06

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number	
	h	b	L	L1	h1	f				R	L		
SCFCR/L 1212H06	12	12	100	16	12	16	CC..0602..	T8	M2.5×7	●	●	215600	
	1414H09	14	14	100	20	14				16	●	●	215601
1616H09	16	16	100	20	16	20	CC..09T3..	T15	M4×10	●	●	215602	
	2020K09	20	20	125	20	20				25	●	●	215604
	2525M12	25	25	150	25	25				32	●	●	215606
3232P12	32	32	170	25	32	40	CC..1204..	T20	M5×12	●	●	215608	

滚花车花

焊接车刀
夹头

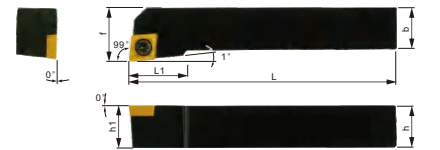
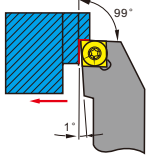
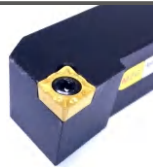
外圆车削

内孔车削

螺纹车削

SCGCR

外圆车削
Cylindrical Turning
端面车削
End Face Turning



图示方向 (R) R-Type

刀片 (Inserts): A19-A20 零配件 (Toolholder Parts): P03-P06

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number	
	h	b	L	L1	h1	f				R	L		
SCGCR/L 0808F06	08	08	80	10	08	10	CC..0602..	T8	M2.5×7	●	●	215450	
	1010H06	10	10	100	12	10				12	●	●	215452
1212H06	12	12	100	12	12	16	CC..09T3..	T15	M4×10	●	●	215453	
	1212H09	12	12	100	18	12				16	●	●	215454
	1616H09	16	16	100	18	16				20	●	●	215456
2020K09	20	20	125	20	20	25	CC..1204..	T20	M5×12	●	●	215458	
	2525M09	25	25	150	24	25				32	●	●	215450
2020K12	20	20	125	23	20	25	CC..1204..	T20	M5×12	●	●	215452	
	2525M12	25	25	150	26	25				32	●	●	215454
3232P12	32	32	170	28	32	40	CC..1204..	T20	M5×12	●	●	215456	

切槽
切断

端面切槽

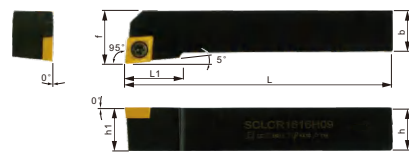
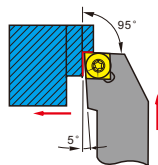
阻尼模组

外圆车削

S 型锁紧外圆车刀 S Type Cylindrical Turning Tool

SCLCR

外圆车削
Cylindrical Turning
端面车削
End Face Turning



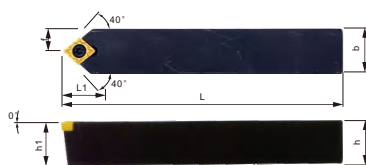
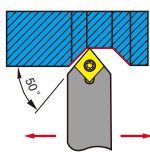
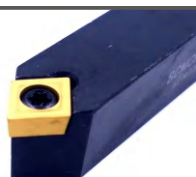
刀片 (Inserts): A19-A20 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number
	h	b	L	L1	h1	f				R	L	
SCLCR/L 0808F06	08	08	80	10	08	10	CC..0602..	T8	M2.5×7	●	●	215400
1010H06	10	10	100	12	10	12				●	●	215402
1212H06	12	12	100	12	12	16				●	●	215403
1212H09	12	12	100	18	12	16				●	●	215404
1414H09	14	14	100	18	14	16	CC..09T3..	T15	M4×10	●	●	215405
1616H09	16	16	100	18	16	20				●	●	215406
2020K09	20	20	125	20	20	25				●	●	215408
2525M09	25	25	150	24	25	32				●	●	215410
2020K12	20	20	125	23	20	25	CC..1204..	T20	M5×12	●	●	215412
2525M12	25	25	150	26	25	32				●	●	215414
3232P12	32	32	170	28	32	40				●	●	215416

SCMCN..80

外圆车削
Cylindrical Turning



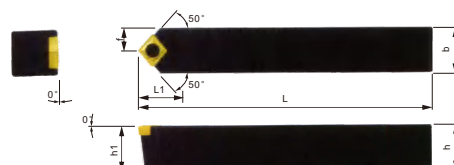
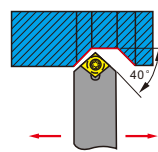
刀片 (Inserts): A19-A20 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number
	h	b	L	L1	h1	f				R	L	
SCMCN 0808H06	08	08	100	13	08	4	CC..0602..	T8	M2.5×7	●	●	215701
1010H06	10	10	100	13	10	5				●	●	215700
1212H09	12	12	100	18	12	6				●	●	215702
1414H09	14	14	100	18	14	7				●	●	215703
1616H09	16	16	100	18	16	8	CC..09T3..	T15	M4×10	●	●	215704
2020K09	20	20	125	18	20	10				●	●	215706
2525M09	25	25	150	18	25	12.5				●	●	215708
2020K12	20	20	125	23	20	20				●	●	215710
2525M12	25	25	150	23	25	12.5	CC..1204..	T20	M5×12	●	●	215712

SCMCN..100

外圆车削
Cylindrical Turning



刀片 (Inserts): A19-A20 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number
	h	b	L	L1	h1	f				R	L	
SCMCN 1010H06-100	10	10	100	13	10	5	CC..0602..	T8	M2.5×7	●	●	216100
1212H09-100	12	12	100	18	12	6				●	●	216102
1414H09-100	14	14	100	18	14	7				●	●	216103
1616H09-100	16	16	100	18	16	8				●	●	216104
2020K09-100	20	20	125	18	20	10	CC..09T3..	T15	M4×10	●	●	216106
2525M09-100	25	25	150	18	25	12.5				●	●	216108
2020K12-100	20	20	125	23	20	20				●	●	216110
2525M12-100	25	25	150	23	25	12.5				CC..1204..	T20	M5×12

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

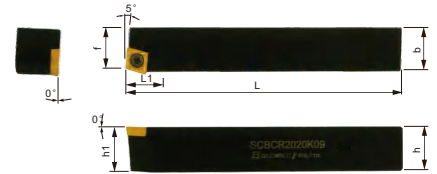
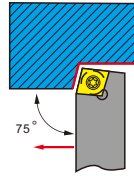
车削刀柄
CSV
凸轮车床刀具

SCBCR

外圆车削

Cylindrical Turning

刀片 (Inserts): A19-A20 零配件 (Toolholder Parts): P03-P06



图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number
	h	b	L	L1	h1	f				R	L	
SCBCR/L 1212H09	12	12	100	13	12	9.5	CC..09T3..	T15	M4×10	●	●	216196
	16	16	100	15	16	13				●	●	216198
	20	20	125	12	20	17				●	●	216200
	25	25	150	12	25	22				●	●	216202
1616H12	16	16	100	20	16	13	CC..1204..	T20	M5×12	●	●	216203
	20	20	125	16	20	17				●	●	216204
	25	25	150	16	25	22				●	●	216206

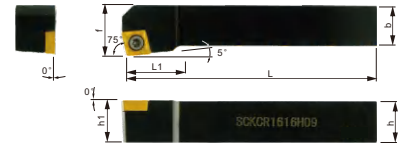
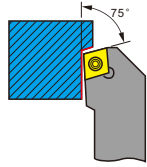
前
车削
后
车削

SCKCR

端面车削

End Face Turning

刀片 (Inserts): A19-A20 零配件 (Toolholder Parts): P03-P06



图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number
	h	b	L	L1	h1	f				R	L	
SCKCR/L 1212H09	12	12	100	20	12	16	CC..09T3..	T15	M4×10	●	●	215500
	14	14	100	20	14	16				●	●	215501
	16	16	100	20	16	20				●	●	215502
	20	20	125	23	20	25				●	●	215504
2525M09	25	25	150	23	25	32	CC..1204..	T20	M5×12	●	●	215506
	20	20	125	23	20	25				●	●	215508
	25	25	150	25	25	32				●	●	215510

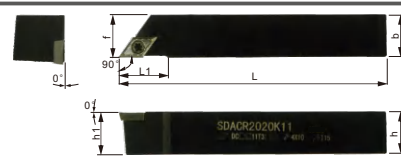
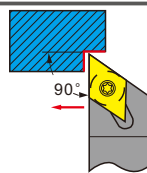
外圆车削
内孔车削
螺纹车削
切槽切断
端面切槽
阻尼模组

外圆车削

S 型锁紧外圆车刀 S Type Cylindrical Turning Tool

SDACR

外圆车削
Cylindrical Turning
端面车削
End Face Turning



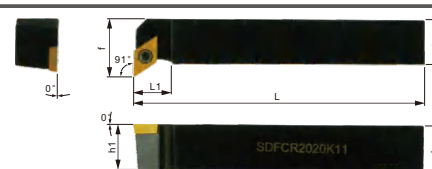
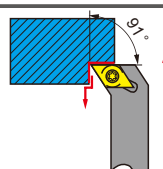
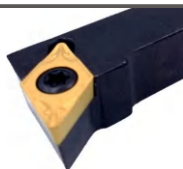
刀片 (Inserts): A21-A22 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number
	h	b	L	L1	h1	f				R	L	
SDACR/L 0808H07	8	8	100	15	8	8	DC..0702..	T8	M2.5×7	●	●	216500
	10	10	100	15	10	10				●	●	216502
	12	12	100	15	12	12				●	●	216504
1212H11	12	12	100	22	12	12	DC..11T3..	T15	M4×10	●	●	216506
1414H11	14	14	100	22	14	14				●	●	216507
1616H11	16	16	100	22	16	16				●	●	216508
2020K11	20	20	125	22	20	20				●	●	216510
2525M11	25	25	150	22	25	25				●	●	216512

SDFCR

外圆车削
Cylindrical Turning
端面车削
End Face Turning



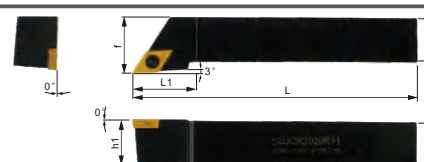
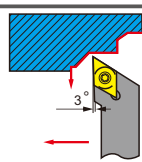
刀片 (Inserts): A21-A22 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number
	h	b	L	L1	h1	f				R	L	
SDFCR/L 1212H07	12	12	100	8	12	16	DC..0702..	T8	M2.5×7	●	●	216600
	16	16	100	14	16	20				●	●	
2020K11	20	20	125	14	20	25	DC..11T3..	T15	M4×10	●	●	216604

SDJCR

外圆车削
Cylindrical Turning
端面车削
End Face Turning



刀片 (Inserts): A21-A22 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number
	h	b	L	L1	h1	f				R	L	
SDJCR/L 1010H07	10	10	100	14	10	12	DC..0702..	T8	M2.5×7	●	●	216400
	12	12	100	14	12	16				●	●	216402
	16	16	100	14	16	20				●	●	216404
1212H11	12	12	100	20	12	16	DC..11T3..	T15	M4×10	●	●	216406
1414H11	14	14	100	20	14	16				●	●	216407
1616H11	16	16	100	20	16	20				●	●	216408
2020K11	20	20	125	20	20	25				●	●	216410
2525M11	25	25	150	22	25	32				●	●	216412
3232P11	32	32	170	23	32	40				●	●	216414
4040R11	40	40	200	25	40	50				●	●	216416

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

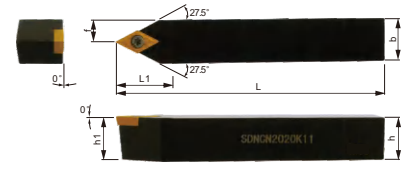
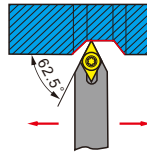
端面
切槽

阻尼
模组

车削刀柄
CSV
凸轮车削
车削刀具

SDNCN

外圆车削
Cylindrical Turning



图示方向 (R) R-Type

刀片 (Inserts): A21-A22 零配件 (Toolholder Parts): P03-P06

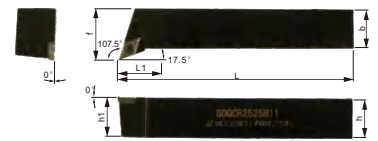
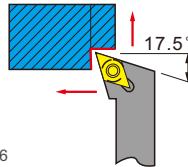
刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number
	h	b	L	L1	h1	f				R	L	
SDNCN 1010H07 1212H07	10	10	100	14	10	5	DC..0702..	T8	M2.5×7	●	●	216712
	12	12	100	14	12	6				●	●	216714
	1212H11 1414H11	12	12	100	21	12				6	●	●
1616H11 2020K11	14	14	100	21	14	7	DC..11T3..	T15	M4×10	●	●	216717
	16	16	100	21	16	8				●	●	216718
	20	20	125	21	20	10				●	●	216720

DS
刀柄
正面
排刀
Y轴
刀柄

前
车削
后
车削

SDQCR

外圆车削
Cylindrical Turning
端面车削
End Face Turning



图示方向 (R) R-Type

刀片 (Inserts): A21-A22 零配件 (Toolholder Parts): P03-P06

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number
	h	b	L	L1	h1	f				R	L	
SDQCR/L 1010H07 1212H07	10	10	100	13	10	12	DC..0702..	T8	M2.5×7	●	●	216700
	12	12	100	13	12	16				●	●	216702
	1212H11 1616H11	12	12	100	14	12				16	●	●
2020K11 2525M11	16	16	100	14	16	20	DC..11T3..	T15	M4×10	●	●	216706
	20	20	125	16	20	25				●	●	216708
	25	25	150	20	25	32				●	●	216710

小孔
加工
滚花
车花
焊接
车刀
夹头

外圆
车削
内孔
车削

螺纹
车削

切槽
切断

端面
切槽

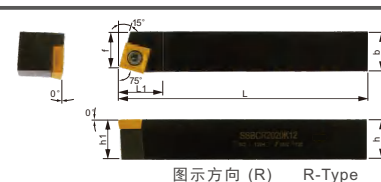
阻尼
模组

外圆车削

S 型锁紧外圆车刀 S Type Cylindrical Turning Tool

SSBCR

外圆车削
Cylindrical Turning



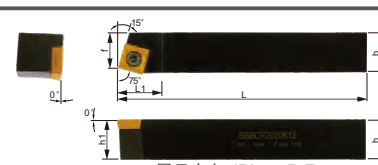
刀片 (Inserts): A25 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number		
	h	b	L	L1	h1	f				R	L			
SSBCR/L 1212H09	12	12	100	14	12	9.5	SC..09T3..	T15	M4×10	●	●	217100		
	1616H09	16	16	100	14	16				13	●		●	217102
	2020K09	20	20	125	30	20				17	●		●	217104
	2525M09	25	25	150	32	25				22	●		●	217106
	2020K12	20	20	125	30	20				17	●		●	217108
2525M12	25	25	150	25	22	22	●	●	217110					

SSKCR

端面车削
End Face Turning



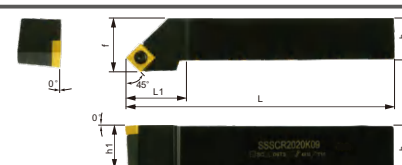
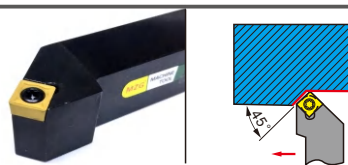
刀片 (Inserts): A25 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number		
	h	b	L	L1	h1	f				R	L			
SSKCR/L 1212H09	12	12	100	15	12	16	SC..09T3..	T15	M4×10	●	●	217198		
	1616H09	16	16	100	20	16				20	●		●	217200
	2020K09	20	20	125	25	20				25	●		●	217202
	2525M09	25	25	150	22	25				32	●		●	217204
	2020K12	20	20	125	20	20				25	●		●	217206

SSSCR

外圆车削
Cylindrical Turning



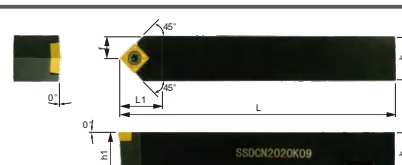
刀片 (Inserts): A25 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number		
	h	b	L	L1	h1	f				R	L			
SSSCR/L 1212H09	12	12	100	16	12	16	SC..09T3..	T15	M4×10	●	●	217300		
	1616H09	16	16	100	16	16				20	●		●	217301
	2020K09	20	20	125	18	20				25	●		●	217302
	2525M09	25	25	150	26	25				32	●		●	217303
	2525M12	25	25	150	25	25				32	●		●	217304

SSDCN

外圆车削
Cylindrical Turning



刀片 (Inserts): A25 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number		
	h	b	L	L1	h1	f				R	L			
SSDCN 1212H09	12	12	100	16	12	6	SC..09T3..	T15	M4×10	●	●	217400		
	1414H09	14	14	100	16	14				7	●		●	217401
	1616H09	16	16	100	16	16				8	●		●	217402
	2020K09	20	20	125	16	20				10	●		●	217404
	2525M09	25	25	150	16	25				12.5	●		●	217406

车削
车刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

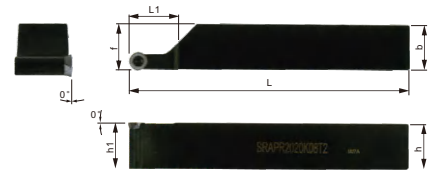
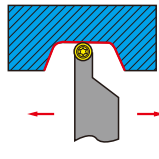
端面
切槽

阻尼
模组

车削刀柄
CSV
凸轮车床刀具

SRAP(C)R

外圆车削
Cylindrical Turning



刀片 (Inserts): A24 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number
	h	b	L	L1	h1	f				R	L	
SRAP(C)R/L 正面排刀	1616H08	16	16	100	16	16	RP..08T2..	T10	M3×8	●	●	218500
	2020K08	20	20	125	16	20				●	●	218502
	2525M08	25	25	150	16	25				●	●	218504
Y轴刀柄	2020K10	20	20	125	20.3	20	RP..10T3..	T15	M3.5×10	●	●	218506
	2525M10	25	25	150	20.3	25				●	●	218508
	2020K12	20	20	125	25	20	RP..1204..	T15	M4×10	●	●	218510
	2525M12	25	25	150	25	25				●	●	218512

前
车削
后
车削

小径
切槽
切断
螺纹

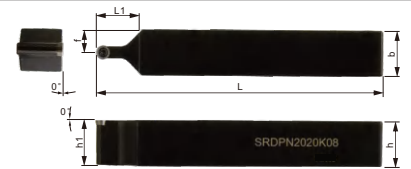
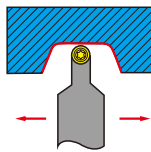
小孔
加工

滚花
车花

焊接
车刀
夹头

SRDP(C)N

外圆车削
Cylindrical Turning



刀片 (Inserts): A24 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number
	h	b	L	L1	h1	f				R	L	
SRDP(C)N 外圆车削	1616H08	16	16	100	16	16	RP..08T2..	T10	M3×8	●	●	218700
	2020K08	20	20	125	16	20				●	●	218702
	2525M08	25	25	150	16	25				●	●	218704
内孔车削	1010H10	10	10	100	20.3	10	RP..10T3..	T15	M3.5×10	●	●	218706
	1616H10	16	16	100	20.3	16				●	●	218708
	2020K10	20	20	125	20.3	20				●	●	218710
	2525M10	25	25	150	20.3	25				●	●	218712
	3232P10	32	32	170	20.3	32	●	●	218714			
	2020K12	20	20	125	25	20	RP..1204..	T15	M4×10	●	●	218716
	2525M12	25	25	150	25	25				●	●	218718

切槽
切断

端面
切槽

阻尼
模组

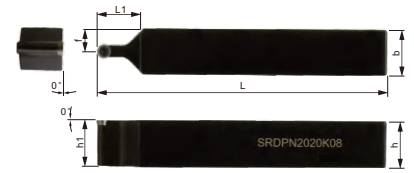
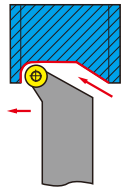
外圆车削

S 型锁紧外圆车刀 S Type Cylindrical Turning Tool

SRGP(C)R

外圆车削

Cylindrical Turning



刀片 (Inserts): A24 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number
	h	b	L	L1	h1	f				R	L	
SRGP(C)R/L												
1212H05	12	12	100	9.5	12	16	RP..0502..	T6	M2.2×6	●	●	218600
1616H05	16	16	100	9.5	16	20				●	●	218602
2020K05	20	20	125	11.2	20	25				●	●	218604
2525M05	25	25	150	14.7	25	32				●	●	218606
1212H06	12	12	100	10	12	16	RP..0602..	T8	M2.5×6	●	●	218608
1616H06	16	16	100	10	16	20				●	●	218610
2020K06	20	20	125	12	20	25				●	●	218612
2525M06	25	25	150	15	25	32				●	●	218614
1616H08	16	16	100	11	16	20	RP..08T2..	T8	M3×8	●	●	218616
2020K08	20	20	125	12.7	20	25				●	●	218618
2525M08	25	25	150	16.2	25	32				●	●	218620
1616H10	16	16	100	11	16	20	RP..10T3..	T8	M4×10	●	●	218622
2020K10	20	20	125	12.7	20	25				●	●	218624
2525M10	25	25	150	16.2	25	32				●	●	218626
2020K12	20	20	125	13	20	25	RP..1204..	T15	M4×10	●	●	218628
2525M12	25	25	150	17	25	32				●	●	218630

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

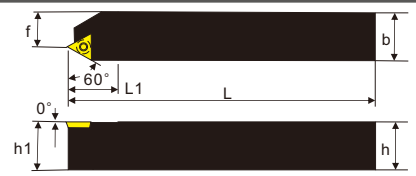
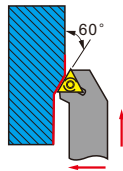
端面
切槽

阻尼
模组

车削刀柄
CSV
凸轮车削
车削刀具

STECR

外圆车削
Cylindrical Turning
端面车削
End Face Turning



图示方向 (R) R-Type

刀片 (Inserts): A27-A28 零配件 (Toolholder Parts): P03-P06

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number
	h	b	L	L1	h1	f				R	L	
STECR/L 1616H11	16	16	100	80	10	16	TC..1102..	T8	M2.5×7	●	●	217700
2020K11	20	20	125	100	12	20				●	●	217702
2525M11	25	25	150	120	16	25				●	●	217704
2020K16	20	20	125	100	16	20	TC..16T3..	T15	M3.5×9	●	●	217706
2525M16	25	25	150	120	20	25				●	●	217708
3232P16	32	32	170	135	25	32				●	●	217710

DS
刀柄
正面排刀
Y轴
刀柄

前
车削
后
车削

小径
切槽
切断
螺纹

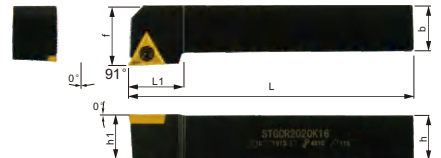
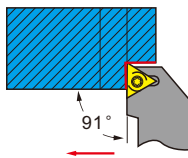
小孔
加工

滚花
车花

焊接
车刀
夹头

STGCR

外圆车削
Cylindrical Turning
端面车削
End Face Turning



图示方向 (R) R-Type

刀片 (Inserts): A27-A28 零配件 (Toolholder Parts): P03-P06

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number
	h	b	L	L1	h1	f				R	L	
STGCR/L 0808H09	8	8	100	10	8	10	TC..0902..	T6	M2.2×6	●	●	217600
1010H09	10	10	100	12	10	12				●	●	217602
1212H11	12	12	100	16	12	16				●	●	217604
1616H11	16	16	100	20	12	20	TC..1102..	T8	M2.5×7	●	●	217606
1616H16	16	16	100	22	16	20				●	●	217609
2020K16	20	20	125	22	20	25				●	●	217608
2525M16	25	25	150	22	20	32	TC..16T3..	T15	M4×10	●	●	217610
3232P16	32	32	170	22	25	40				●	●	217612

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

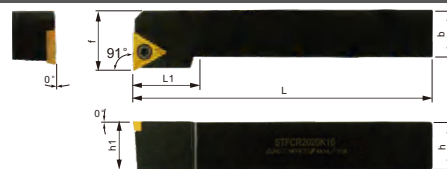
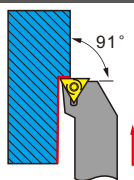
阻尼
模组

外圆车削

S 型锁紧外圆车刀 S Type Cylindrical Turning Tool

STFCR

外圆车削
Cylindrical Turning
端面车削
End Face Turning



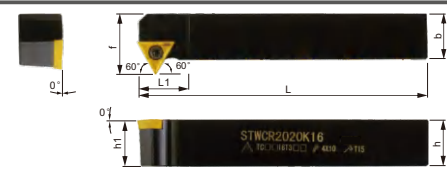
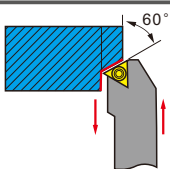
刀片 (Inserts): A27-A28 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number
	h	b	L	L1	h1	f				R	L	
STFCR/L	1010H09	10	10	100	12	10	TC..0902..	T6	M2.2×6	●	●	217500
	1212H11	12	12	100	16	12	TC..1102..	T8	M2.5×7	●	●	217502
	1414H11	14	14	100	16	14				●	●	217503
	1616H11	16	16	100	16	16				●	●	217504
	1616H16	16	16	100	16	16	TC..16T3..	T15	M4×10	●	●	217506
	2020K16	20	20	125	22	20				●	●	217508
	2525M16	25	25	150	22	25				●	●	217510

STWCR

外圆车削
Cylindrical Turning
端面车削
End Face Turning



刀片 (Inserts): A27-A28 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number
	h	b	L	L1	h1	f				R	L	
STWCR/L	1212H11	12	12	100	8	12	TC..1102..	T8	M2.5×7	●	●	217712
	1616H11	16	16	100	8	16				●	●	217714
	2020K11	20	20	125	8	20				●	●	217716
	2525M11	25	25	150	8	25				●	●	217718
STWCR/L	1616H16	16	16	100	12	16	TC..16T3..	T15	M4×10	●	●	217720
	2020K16	20	20	125	12	20				●	●	217722
	2525M16	25	25	150	12	25				●	●	217724
	3232P16	32	32	170	12	32				●	●	217726

车削
刀具

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

车削
刀柄

CSV
凸轮
车削
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

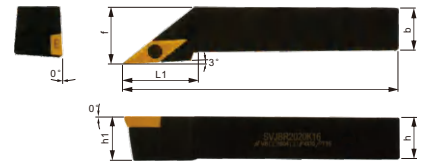
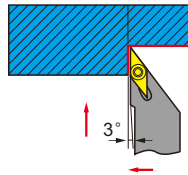
切槽
切断

端面
切槽

阻尼
模组

SVJBR

外圆车削
Cylindrical Turning
端面车削
End Face Turning



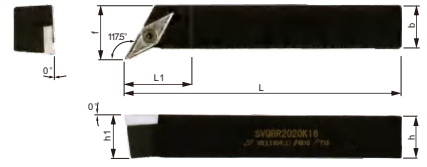
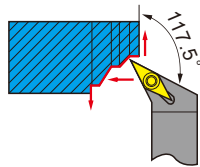
图示方向 (R) R-Type

刀片 (Inserts): A29-A32 零配件 (Toolholder Parts): P03-P06

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number
	h	b	L	L1	h1	f				R	L	
SVJBR/L 1212H11	12	12	100	25	12	16	VB..1103..	T8	M2.5×6	●	●	218108
1616H11	16	16	100	28	16	20				●	●	218110
2020K11	20	20	125	32	20	25				●	●	218112
1616H16	16	16	100	32	16	20	VB..1604..	T15	M4×10	●	●	218100
2020K16	20	20	125	32	20	25				●	●	218102
2525M16	25	25	150	32	25	32				●	●	218104
3232P16	32	32	170	40	32	40				●	●	218106

SVQBR

外圆车削
Cylindrical Turning
端面车削
End Face Turning



图示方向 (R) R-Type

刀片 (Inserts): A29-A32 零配件 (Toolholder Parts): P03-P06

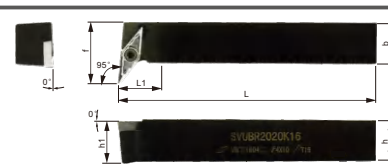
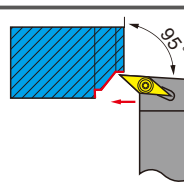
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	h	b	L	L1	h1	f				R	L	
SVQBR/L 1212H11	12	12	100	25	12	16	VB..1103..	T8	M2.5×6	●	●	218301
1616H11	16	16	100	28	16	20				●	●	218303
2020K11	20	20	125	32	20	25				●	●	218305
1616H16	16	16	100	32	16	20	VB..1604..	T15	M4×10	●	●	218300
2020K16	20	20	125	32	20	25				●	●	218302
2525M16	25	25	150	32	25	32				●	●	218304
3232P16	32	32	170	40	32	40				●	●	218306

外圆车削

S 型锁紧外圆车刀 S Type Cylindrical Turning Tool

SVUBR

外圆车削
Cylindrical Turning
端面车削
End Face Turning



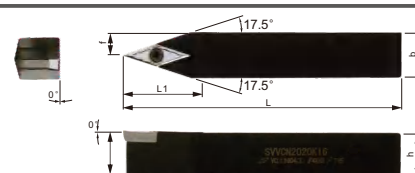
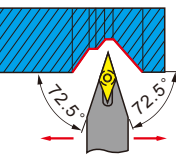
刀片 (Inserts): A29-A32 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number
	h	b	L	L1	h1	f				R	L	
SVUBR/L 1212H11	12	12	100	12	12	16	VB..1103..	T8	M2.5×6	●	●	218318
1616H11	16	16	100	12	16	20				●	●	218320
2020K11	20	20	125	16	20	25				●	●	218312
1616H16	16	16	100	20	16	30	VB..1604..	T15	M4×10	●	●	218310
2020K16	20	20	125	20	20	30				●	●	218312
2525M16	25	25	150	16	25	32				●	●	218314
3232P16	32	32	170	16	32	40				●	●	218316

SVVBN

外圆车削
Cylindrical Turning



刀片 (Inserts): A29-A32 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number
	h	b	L	L1	h1	f				R	L	
SVVBN 1010H11	10	10	100	25	10	5	VB..1103..	T8	M2.5×7	●	●	218201
1212H11	12	12	100	28	12	6				●	●	218203
1616H11	16	16	100	24	16	8				●	●	218200
2020K11	20	20	125	24	20	10	VB..1604..	T15	M4×10	●	●	218202
2525M11	25	25	150	24	25	12.5				●	●	218204
1616H16	16	16	100	34	16	8				●	●	218206
2020K16	20	20	125	34	20	10				●	●	218208
2525M16	25	25	150	34	25	12.5				●	●	218210
3232P16	32	32	170	34	32	16	●	●	218212			

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

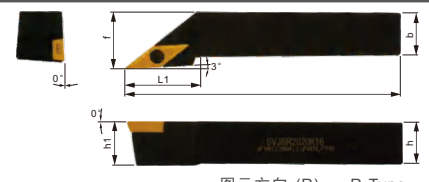
端面
切槽

阻尼
模组

车削刀柄
CSV
凸轮车削
车削刀具

SVJCR

外圆车削
Cylindrical Turning
端面车削
End Face Turning



刀片 (Inserts): A29-A32 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number
	h	b	L	L1	h1	f				R	L	
SVJCR/L 1212H11	12	12	100	25	12	16	VC..1103..	T8	M2.5×6	●	●	218158
1616H11	16	16	100	28	16	20				●	●	218160
2020K11	20	20	125	32	20	25				●	●	218162
1616H16	16	16	100	32	16	20	VC..1604..	T15	M4×10	●	●	218170
2020K16	20	20	125	32	20	25				●	●	218172
2525M16	25	25	150	32	25	32				●	●	218174
3232P16	32	32	170	40	32	40				●	●	218176

DS
刀柄
正面排刀
Y轴刀柄

前
车削
后
车削

小径
切槽
切断
螺纹

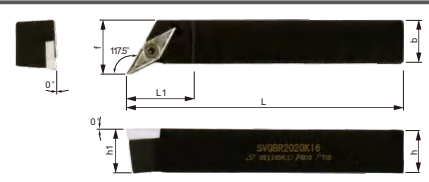
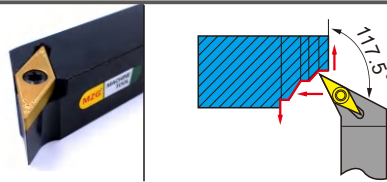
小孔
加工

滚花
车花

焊接
车刀
夹头

SVQCR

外圆车削
Cylindrical Turning
端面车削
End Face Turning



刀片 (Inserts): A29-A32 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number
	h	b	L	L1	h1	f				R	L	
SVQCR/L 1212H11	12	12	100	25	12	16	VC..1103..	T8	M2.5×6	●	●	218351
1616H11	16	16	100	28	16	20				●	●	218353
2020K11	20	20	125	32	20	25				●	●	218355
1616H16	16	16	100	32	16	20	VC..1604..	T15	M4×10	●	●	218350
2020K16	20	20	125	32	20	25				●	●	218352
2525M16	25	25	150	32	25	32				●	●	218354
3232P16	32	32	170	40	32	40				●	●	218356

外圆
车削
内孔
车削

螺纹
车削

切槽
切断

端面
切槽

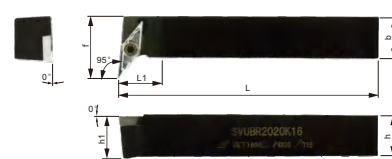
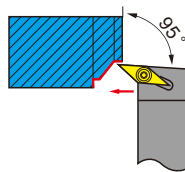
阻尼
模组

外圆车削

S 型锁紧外圆车刀 S Type Cylindrical Turning Tool

SVUCR

外圆车削
Cylindrical Turning
端面车削
End Face Turning



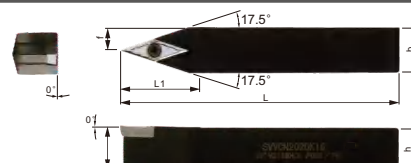
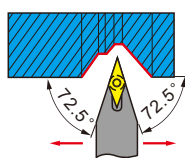
刀片 (Inserts): A29-A32 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number
	h	b	L	L1	h1	f				R	L	
SVUCR/L 1212H11	12	12	100	12	12	16	VC..1103..	T8	M2.5×6	●	●	218358
1616H11	16	16	100	12	16	20				●	●	218360
2020K11	20	20	125	16	20	25				●	●	218362
1616H16	16	16	100	20	16	30				●	●	218370
2020K16	20	20	125	20	20	30	VC..1604..	T15	M4×10	●	●	218372
2525M16	25	25	150	16	25	32				●	●	218374
3232P16	32	32	170	16	32	40				●	●	218376

SVVCN

外圆车削
Cylindrical Turning



刀片 (Inserts): A29-A32 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number
	h	b	L	L1	h1	f				R	L	
SVVCN 1010H11	10	10	100	25	10	5	VC..1103..	T8	M2.5×7	●	●	218251
1212H11	12	12	100	28	12	6				●	●	218253
1616H11	16	16	100	24	16	8				●	●	218250
2020K11	20	20	125	24	20	10				●	●	218252
2525M11	25	25	150	24	25	12.5	VC..1604..	T15	M4×10	●	●	218254
1616H16	16	16	100	34	16	8				●	●	218256
2020K16	20	20	125	34	20	10				●	●	218258
2525M16	25	25	150	34	25	12.5				●	●	218260
3232P16	32	32	170	34	32	16	●	●	218262			

车削
刀具

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

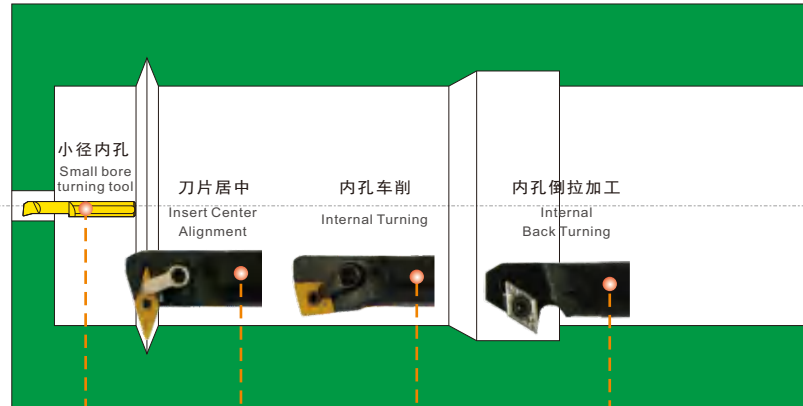
端面
切槽

阻尼
模组

内孔车削工具系统 Inner hole turning tool system

内孔车削 Boring	DS-LBMB AB14	S-SVNR AB14	SVN AB16	CH-LBML AB16	LBMAR AB16
	通用刀片 LBM... 刀柄尺寸 Ø14-Ø25 小径内孔加工	通用刀片 VNBR... 刀柄尺寸 Ø12-Ø25 小径内孔加工	通用刀片 VNBR... 刀柄尺寸 Ø10-Ø25 小径内孔加工	通用刀片 LBM... 刀柄尺寸 Ø10-Ø12 小径内孔加工	通用刀片 LBM... 刀柄尺寸 Ø10-Ø16 小径内孔加工
	SBQR AB56	SBPR AB56	SBFR AB56	SBTR AB56	SBUR AB56
	35° 刀尖 35° 刀柄尺寸 Ø4-Ø8 小径内孔加工	60° 刀尖 60° 刀柄尺寸 Ø4-Ø8 小径内孔加工	70° 刀尖 70° 刀柄尺寸 Ø4-Ø8 小径内孔加工	80° 刀尖 80° 刀柄尺寸 Ø4-Ø8 小径内孔加工	90° 刀尖 90° 刀柄尺寸 Ø4-Ø8 小径内孔加工
	SBDR AB57	STIR AB56	SBWR AB57	SBKR AB57	SBCR AB57
	93° 刀尖 93° 刀柄尺寸 Ø4-Ø8 平端面+后拉倒角	30° 梯形 55°/60° 刀尖 30° 刀柄尺寸 Ø4-Ø8 小径螺纹牙刀	刀尖 70° 刀柄尺寸 Ø4-Ø8 小径内孔切槽	刀尖 80° 刀柄尺寸 Ø4-Ø8 小径内孔圆槽	前后 45° 刀柄尺寸 Ø4-Ø8 45°倒角+90°槽
	SMFR AB57	SMFL AB57	SMVR AB57		
	内孔端面槽 刀柄尺寸 Ø6-Ø10 小径内孔端面槽加工	小径端面槽 刀柄尺寸 Ø6-Ø10 小径外部端面槽加工	端面深槽 刀柄尺寸 Ø6-Ø10 小径端面深槽加工		

内孔车削 Boring	MTWNR B69	STWNR B69	STWC(P)R B96
	通用刀片 TN... 刀柄尺寸 Ø20-Ø32 60°槽及60°倒角	通用刀片 TN... 刀柄尺寸 Ø16-Ø20 60°槽及60°倒角	通用刀片 TN... 刀柄尺寸 Ø8-Ø25 60°槽及60°倒角
	C-STWCR B96	T-STWCR B96	H-STWCR B96
	通用刀片 TC... 刀柄尺寸 Ø8-Ø20 60°槽及60°倒角	通用刀片 TC... 刀柄尺寸 Ø8-Ø25 60°槽及60°倒角	通用刀片 TC... 刀柄尺寸 Ø8-Ø20 60°槽及60°倒角
内孔车削 Boring	MCWNR B66	SCWCR B88	H-SCWCR B88
	通用刀片 CN... 刀柄尺寸 Ø20-Ø40 80°槽及50°倒角	通用刀片 CC... 刀柄尺寸 Ø8-Ø20 80°槽及50°倒角	通用刀片 CC... 刀柄尺寸 Ø8-Ø20 80°槽及50°倒角
	MSSNR B74	SSSCR B94	H-SSSCR B94
	通用刀片 SN... 刀柄尺寸 Ø20-Ø50 90°槽及45°倒角	通用刀片 SC... 刀柄尺寸 Ø12-Ø32 90°槽及45°倒角	通用刀片 SC... 刀柄尺寸 Ø12-Ø25 90°槽及45°倒角
内孔车削 Boring	MDWNR B78	SDWCR B93	
	通用刀片 DN... 刀柄尺寸 Ø20-Ø40 55°槽及62.5°倒角	通用刀片 DC... 刀柄尺寸 Ø10-Ø32 55°槽及55°倒角	
	MVWNR B80	SVWB(C)R B110	
	通用刀片 VN... 刀柄尺寸 Ø25-Ø32 35°槽及72.5°倒角	通用刀片 VB/VC... 刀柄尺寸 Ø25-Ø32 35°槽及72.5°倒角	



内孔车削 Boring	SBXR AB29	SCZCR B88	MDZNR B77	SDZCR B91
	后拉镗孔 刀柄尺寸 Ø4-Ø8 小径倒拉加工	通用刀片 CC... 刀柄尺寸 Ø25-Ø32 内孔倒拉台肩加工	通用刀片 DN... 刀柄尺寸 Ø25-Ø40 内孔倒拉台肩加工	通用刀片 DC... 刀柄尺寸 Ø10-Ø32 内孔倒拉台肩加工
	C-SDZCR B91	MVZNR B80	SVZB(C)R B108	C-SVZB(C)R B108
	通用刀片 DC... 刀柄尺寸 Ø10-Ø25 内孔倒拉台肩加工	通用刀片 VN... 刀柄尺寸 Ø25-Ø32 内孔倒拉台肩加工	通用刀片 VB/VC... 刀柄尺寸 Ø16-Ø40 内孔倒拉台肩加工	通用刀片 VB/VC... 刀柄尺寸 Ø16-Ø25 内孔倒拉台肩加工

内孔车削 Boring	MCKNR B65	DCKNR B65	ECKNR B65	SCKNR B65	SCKCR B87	C-SCKCR B87
	通用刀片 CN... 刀柄尺寸 Ø20-Ø50 镗孔加工	通用刀片 CN... 刀柄尺寸 Ø20-Ø40 镗孔加工	通用刀片 CN... 刀柄尺寸 Ø32-Ø40 镗孔加工	通用刀片 CN... 刀柄尺寸 Ø16-Ø25 镗孔加工	通用刀片 CC... 刀柄尺寸 Ø8-Ø25 镗孔加工	通用刀片 CC... 刀柄尺寸 Ø8-Ø20 镗孔加工
	T-SCKCR B87	H-SCKCR B87	MSKNR B73	DSKNR B73	SSKCR B94	C-SSKCR B94
	通用刀片 CC... 刀柄尺寸 Ø8-Ø25 镗孔加工	通用刀片 CC... 刀柄尺寸 Ø8-Ø25 镗孔加工	通用刀片 SN... 刀柄尺寸 Ø20-Ø50 镗孔加工	通用刀片 SN... 刀柄尺寸 Ø20-Ø50 镗孔加工	通用刀片 SC... 刀柄尺寸 Ø12-Ø25 镗孔加工	通用刀片 SC... 刀柄尺寸 Ø12-Ø25 镗孔加工

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄
正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

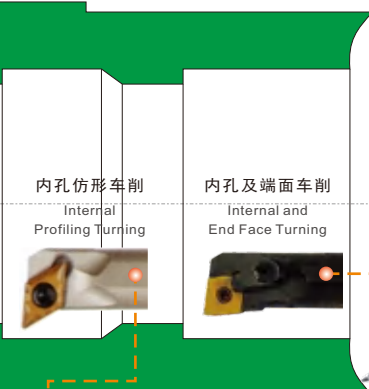
阻尼
模组

内孔车削

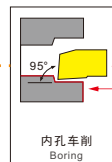
内孔车削工具系统导航 Index of bore turning tool system

 <p>内孔车削 Boring</p>	MTJNR B70 通用刀片 TN.. 刀柄尺寸 Ø20-Ø40 内孔/端面及仿形	SDJCR B89 通用刀片 DC.. 刀柄尺寸 Ø8-Ø25 内孔/端面及仿形	C-SDJCR B89 通用刀片 DC.. 刀柄尺寸 Ø8-Ø25 内孔/端面及仿形	T-SDJCR B89 通用刀片 DC.. 刀柄尺寸 Ø8-Ø25 内孔/端面及仿形	H-SDJCR B89 通用刀片 DC.. 刀柄尺寸 Ø8-Ø25 内孔/端面及仿形	SDXCR B90 通用刀片 DC.. 刀柄尺寸 Ø8-Ø25 内孔/端面及仿形
	C-SDXCR B90 通用刀片 DC.. 刀柄尺寸 Ø8-Ø25 内孔/端面及仿形	T-SDXCR B90 通用刀片 DC.. 刀柄尺寸 Ø8-Ø25 内孔/端面及仿形	H-SDXCR B90 通用刀片 DC.. 刀柄尺寸 Ø8-Ø25 内孔/端面及仿形	MVXNR B79 通用刀片 VN.. 刀柄尺寸 Ø20-Ø40 内孔/端面及仿形	DVXNR B79 通用刀片 VN.. 刀柄尺寸 Ø20-Ø40 内孔/端面及仿形	EVXNR B79 通用刀片 VN.. 刀柄尺寸 Ø20-Ø40 内孔/端面及仿形
	SVJB(C)R B103 通用刀片 VB/VC.. 刀柄尺寸 Ø8-Ø40 内孔/端面及仿形	C-SVJB(C)R B103 通用刀片 VB/VC.. 刀柄尺寸 Ø6-Ø25 内孔/端面及仿形	SVXB(C)R B104 通用刀片 VB/VC.. 刀柄尺寸 Ø8-Ø40 内孔/端面及仿形	C-SVXB(C)R B104 通用刀片 VB/VC.. 刀柄尺寸 Ø6-Ø25 内孔/端面及仿形		

 <p>内孔车削 Boring</p>	MTFNR B67 通用刀片 TN.. 刀柄尺寸 Ø16-Ø40 镗孔加工	DTFNR B67 通用刀片 TN.. 刀柄尺寸 Ø16-Ø40 镗孔加工	STFNR B67 通用刀片 TN.. 刀柄尺寸 Ø16-Ø20 镗孔加工	
	STFCR B101 通用刀片 TC.. 刀柄尺寸 Ø8-Ø32 镗孔加工	C-STFCR B101 通用刀片 TC.. 刀柄尺寸 Ø8-Ø20 镗孔加工	T-STFCR B101 通用刀片 TC.. 刀柄尺寸 Ø8-Ø25 镗孔加工	H-STFCR B101 通用刀片 TC.. 刀柄尺寸 Ø8-Ø25 镗孔加工
	STFPR B102 通用刀片 TP.. 刀柄尺寸 Ø8-Ø32 镗孔加工	C-STFPR B102 通用刀片 TP.. 刀柄尺寸 Ø8-Ø25 镗孔加工	T-STFPR B102 通用刀片 TP.. 刀柄尺寸 Ø8-Ø25 镗孔加工	H-STFPR B102 通用刀片 TP.. 刀柄尺寸 Ø8-Ø25 镗孔加工



 <p>内孔车削 Boring</p>	S..MW08.. B34 通用刀片 WN.. 刀柄尺寸 Ø25-Ø40 镗孔/外圆加工	S..MC12.. B34 通用刀片 CN.. 刀柄尺寸 Ø25-Ø40 镗孔/外圆加工
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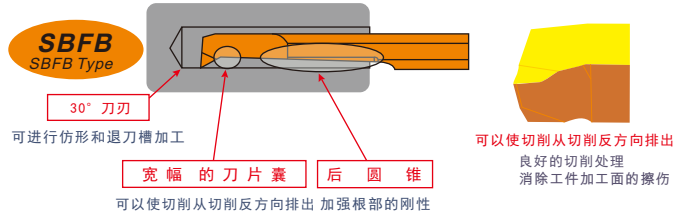
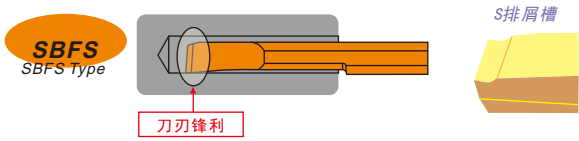


MCLNR B63 通用刀片 CN.. 刀柄尺寸 Ø16-Ø60 镗孔/端面加工	DCLNR B63 通用刀片 CN.. 刀柄尺寸 Ø20-Ø40 镗孔/端面加工	ECLNR B63 通用刀片 CN.. 刀柄尺寸 Ø32-Ø40 镗孔/端面加工	SCLNR B63 通用刀片 CN.. 刀柄尺寸 Ø16-Ø20 镗孔/端面加工	C-MCLNR B63 通用刀片 CN.. 刀柄尺寸 Ø16-Ø32 镗孔/端面加工	SCLCR-A B86 通用刀片 CC.. 刀柄尺寸 Ø7-Ø16 镗孔/端面加工
SCLCR B83 通用刀片 CC.. 刀柄尺寸 Ø7-Ø40 镗孔/端面加工	C-SCLCR B83 通用刀片 CC.. 刀柄尺寸 Ø4-Ø25 镗孔/端面加工	E-SCLCR B83 通用刀片 CC.. 刀柄尺寸 Ø5-Ø20 镗孔/端面加工	T-SCLCR B84 通用刀片 CC.. 刀柄尺寸 Ø7-Ø25 镗孔/端面加工	H-SCLCR B84 通用刀片 CC.. 刀柄尺寸 Ø4-Ø25 镗孔/端面加工	C-SCLCR-A B86 通用刀片 CC.. 刀柄尺寸 Ø4-Ø8 镗孔/端面加工
MTLNR B70 通用刀片 TN.. 刀柄尺寸 Ø18-Ø32 镗孔/端面加工	ETLNR B70 通用刀片 TN.. 刀柄尺寸 Ø20-Ø40 镗孔/端面加工	STLNR B70 通用刀片 TN.. 刀柄尺寸 Ø16-Ø20 镗孔/端面加工	MTUNR B72 通用刀片 TN.. 刀柄尺寸 Ø16-Ø60 镗孔/端面加工	DTUNR B72 通用刀片 TN.. 刀柄尺寸 Ø16-Ø40 镗孔/端面加工	WTUNR B72 通用刀片 TN.. 刀柄尺寸 Ø25-Ø50 镗孔/端面加工
STUNR B72 通用刀片 TN.. 刀柄尺寸 Ø16-Ø20 镗孔/端面加工	STUBR B95 通用刀片 TB.. 刀柄尺寸 Ø6-Ø16 镗孔/端面加工	C-STUBR B95 通用刀片 TB.. 刀柄尺寸 Ø6-Ø8 镗孔/端面加工	H-STUBR B95 通用刀片 TB.. 刀柄尺寸 Ø6-Ø16 镗孔/端面加工	E-STUBR B95 通用刀片 TB.. 刀柄尺寸 Ø6-Ø8 镗孔/端面加工	STUP(C)R-A B95 通用刀片 TC/TP.. 刀柄尺寸 Ø7-Ø12 镗孔/端面加工
STUCR B99 通用刀片 TC.. 刀柄尺寸 Ø8-Ø32 镗孔/端面加工	C-STUCR B99 通用刀片 TC.. 刀柄尺寸 Ø8-Ø25 镗孔/端面加工	E-STUCR B99 通用刀片 TC.. 刀柄尺寸 Ø8-Ø20 镗孔/端面加工	T-STUCR B99 通用刀片 TC.. 刀柄尺寸 Ø8-Ø25 镗孔/端面加工	H-STUCR B99 通用刀片 TC.. 刀柄尺寸 Ø8-Ø25 镗孔/端面加工	STUPR B100 通用刀片 TP.. 刀柄尺寸 Ø8-Ø32 镗孔/端面加工
MDUNR B75 通用刀片 DN.. 刀柄尺寸 Ø20-Ø40 镗孔/端面加工	DDUNR B75 通用刀片 DN.. 刀柄尺寸 Ø20-Ø40 镗孔/端面加工	EDUNR B75 通用刀片 DN.. 刀柄尺寸 Ø32-Ø40 镗孔/端面加工	SDUCR B92 通用刀片 DC.. 刀柄尺寸 Ø10-Ø25 镗孔/端面加工	C-SDUCR B92 通用刀片 DC.. 刀柄尺寸 Ø8-Ø25 镗孔/端面加工	T-SDUCR B92 通用刀片 DC.. 刀柄尺寸 Ø8-Ø25 镗孔/端面加工
H-SDUCR B92 通用刀片 DC.. 刀柄尺寸 Ø8-Ø25 镗孔/端面加工	MVUNR B80 通用刀片 VN.. 刀柄尺寸 Ø20-Ø40 镗孔/端面加工	DVUNR B80 通用刀片 VN.. 刀柄尺寸 Ø20-Ø40 镗孔/端面加工	EVUNR B80 通用刀片 VN.. 刀柄尺寸 Ø32-Ø40 镗孔/端面加工	SVUB(C)R B107 通用刀片 VB/VC.. 刀柄尺寸 Ø16-Ø40 镗孔/端面加工	C-SVUB(C)R B107 通用刀片 VB/VC.. 刀柄尺寸 Ø16-Ø25 镗孔/端面加工
MWLN B81 通用刀片 WN.. 刀柄尺寸 Ø16-Ø60 镗孔/端面加工	DWLN B81 通用刀片 WN.. 刀柄尺寸 Ø20-Ø40 镗孔/端面加工	EWLN B81 通用刀片 WN.. 刀柄尺寸 Ø25-Ø50 镗孔/端面加工	SWLN B81 通用刀片 WN.. 刀柄尺寸 Ø16-Ø20 镗孔/端面加工	SWUBR B111 通用刀片 WB.. 刀柄尺寸 Ø6-Ø16 镗孔/端面加工	SWLCR B112 通用刀片 WC.. 刀柄尺寸 Ø8-Ø25 镗孔/端面加工

- 车削刀柄
- CSV 凸床车削刀具
- DS 刀柄
- 正面排刀
- Y轴刀柄
- 前车削
- 后车削
- 小径切槽切断螺纹
- 小孔加工
- 滚花车花
- 焊接车刀夹头
- 外圆车削
- 内孔车削
- 螺纹车削
- 切槽切断
- 端面切槽
- 阻尼模组

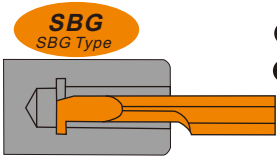
镗孔 Boring Tools

- 加工直径 $\phi 2.2$ -
- 强化了“SBFS型”和“SBFB型”两种产品的标准品库存
- 刀角R有R0.05和R0.15



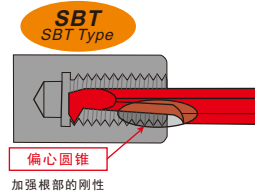
槽刀 Groove Machining

- 加工径 $\phi 3$ -
- 强化槽宽为0.5/0.75/1.0/1.5mm 的标准品库存

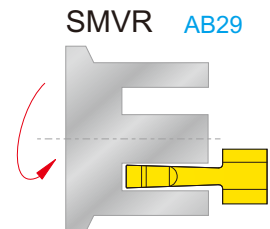
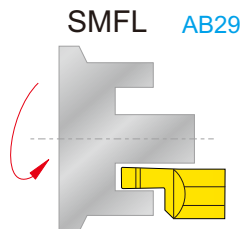
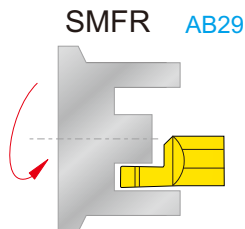
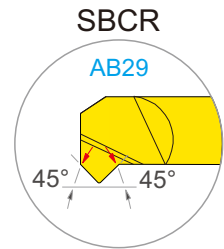
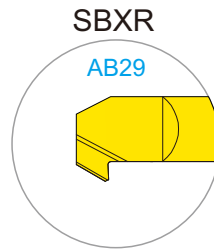
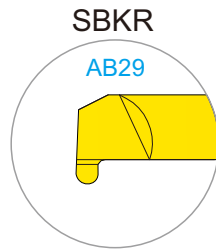
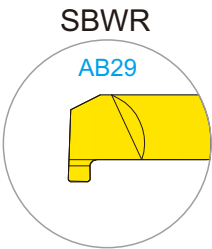
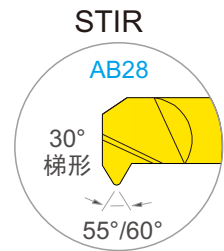
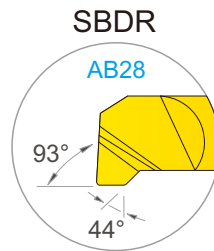
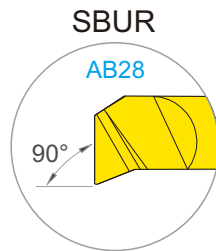
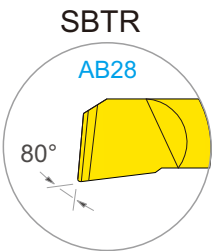
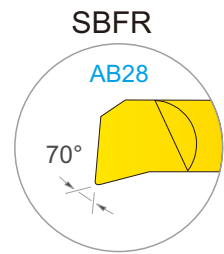
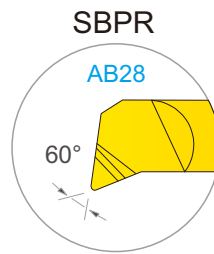
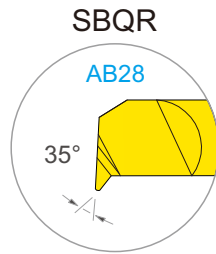


螺纹切削 Thread Cutting

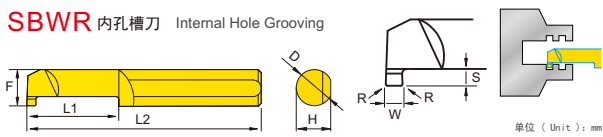
- 可加工螺纹M4-
- 可加工螺距0.5-
- 加粗根部, 提高刚性



整体合金小径刀具 Alloy Small Boring Tool

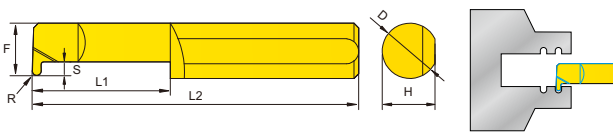


SBWR 内孔槽刀 Internal Hole Grooving



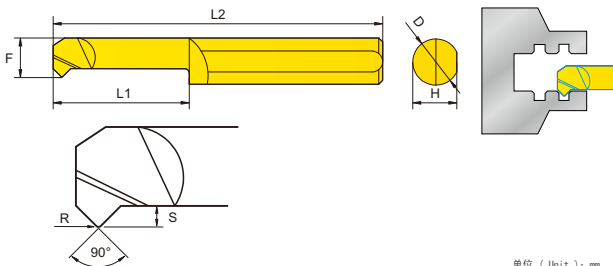
规格型号 Model	W	S	L1	R	F	D	L2	H	库存 Stock	加工直径 Processing Diameter	订购编号 Order No.	价格 (RMB)
SBWR05100R005-D4	0.5	1.0	10	0.05	3.8	D4	50	3.7	○	4mm	207241	85
SBWR08100R005-D4	0.8	1.0	10	0.05	3.8	D4	50	3.7	○	4mm	207242	85
SBWR10100R005-D4	1.0	1.5	10	0.05	3.8	D4	50	3.7	○	4mm	207243	85
SBWR15100R005-D4	1.5	1.5	10	0.05	3.8	D4	50	3.7	○	4mm	207244	85
SBWR10100R010-D5	1.0	1.5	10	0.1	4.8	D5	50	4.7	○	5mm	207245	130
SBWR12100R010-D5	1.2	1.5	10	0.1	4.8	D5	50	4.7	○	5mm	207246	130
SBWR15100R010-D5	1.5	2.0	10	0.1	4.8	D5	50	4.7	○	5mm	207247	130
SBWR20100R010-D5	2.0	2.0	10	0.1	4.8	D5	50	4.7	○	5mm	207248	130
SBWR10120R015-D6	1.0	2.0	12	0.15	5.8	D6	50	5.7	○	6mm	207249	130
SBWR15120R015-D6	1.5	2.0	12	0.15	5.8	D6	50	5.7	○	6mm	207250	130
SBWR20120R015-D6	2.0	2.0	12	0.15	5.8	D6	50	5.7	○	6mm	207251	130
SBWR25120R015-D6	2.5	2.5	16	0.15	5.8	D6	50	5.7	○	6mm	207252	130
SBWR15160R015-D8	1.5	2.0	16	0.15	7.8	D8	50	7.7	○	8mm	207253	210
SBWR20160R015-D8	2.0	3.0	16	0.15	7.8	D8	50	7.7	○	8mm	207254	210
SBWR25160R015-D8	2.5	3.0	16	0.15	7.8	D8	50	7.7	○	8mm	207255	210

SBKR 内孔圆槽刀 Inner Hole Round-Head Grooving



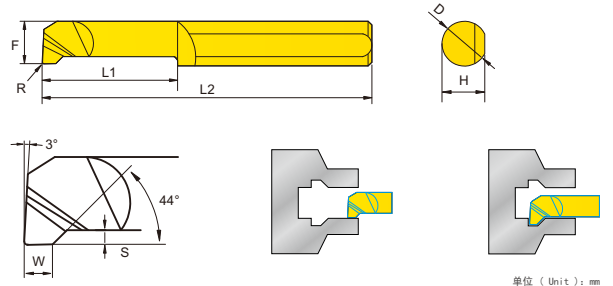
规格型号 Model	F	S	L1	R	D	L2	H	库存 Stock	加工直径 Processing Diameter	订购编号 Order No.	价格 (RMB)
SBKR40100R050-D4	3.8	1.0	10	0.5	D4	50	3.7	○	4mm	207261	130
SBKR40100R075-D4	3.8	1.0	10	0.75	D4	50	3.7	○	4mm	207262	130
SBKR80150R050-D6	5.8	1.5	15	0.5	D6	50	5.7	○	6mm	207263	150
SBKR80150R075-D6	5.8	1.5	15	0.75	D6	50	5.7	○	6mm	207264	150
SBKR80150R100-D6	5.8	1.5	15	1.0	D6	50	5.7	○	6mm	207265	150

SBCR 内孔镗及倒角-刀尖 90° Boring + Chamfering 45°



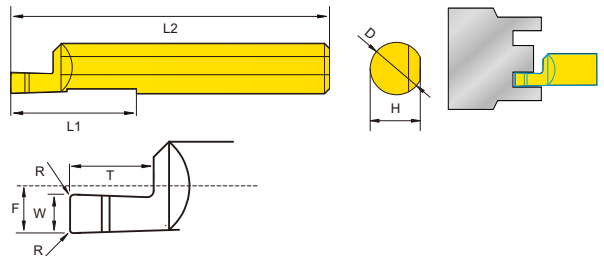
规格型号 Model	F	L1	S	R	D	L2	H	库存 Stock	订购编号 Order No.	价格 (RMB)
SBCR30100R020-D4	2.8	10	0.5	0.2	D4	50	3.7	○	207321	130
SBCR40150R020-D4	3.7	15	0.8	0.2	D4	50	3.7	○	207322	130
SBCR50150R020-D5	4.7	15	1.2	0.2	D5	50	4.7	○	207323	150
SBCR60150R020-D6	5.7	15	1.5	0.2	D6	50	5.7	○	207324	150

SBDR 内孔镗+倒角+切槽 Boring + Chamfering + Grooving



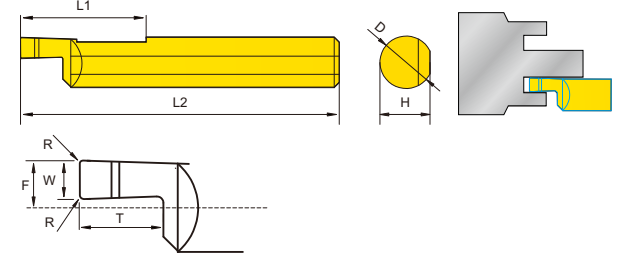
规格型号 Model	F	L1	S	R	D	L2	H	W	库存 Stock	加工直径 Processing Diameter	订购编号 Order No.	价格 (RMB)
SBDR40100R020-D4	3.8	10.0	0.8	0.2	D4	50	3.7	1.5	○	4mm	207331	130
SBDR50150R020-D5	4.8	15.0	1.2	0.2	D5	50	4.7	1.5	○	5mm	207332	150
SBDR60150R020-D6	5.8	15.0	1.4	0.2	D6	50	5.7	1.5	○	6mm	207333	150

SMFR 右端面槽刀 Right End Face Grooving



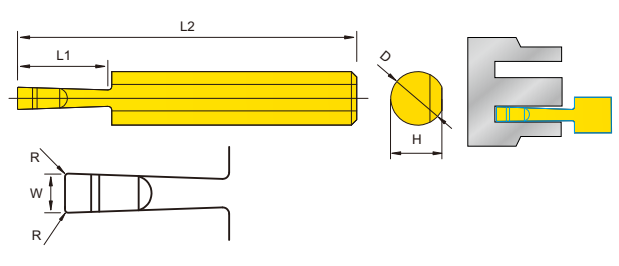
规格型号 Model	F	L1	T	W	R	D	L2	H	库存 Stock	加工直径 Processing Diameter	订购编号 Order No.	价格 (RMB)
SMFR60150W0.75-D6	2.95	15	1.5	0.75	0.1	D6	50	5.7	○	8.0	207271	200
SMFR60150W1.0-D6	2.95	15	2.0	1.0	0.1	D6	50	5.7	○	8.0	207272	200
SMFR80200W2.0-D8	3.95	20	4.0	2.0	0.2	D8	50	7.7	○	10.0	207273	300
SMFR80200W2.5-D8	3.95	20	5.0	2.5	0.2	D8	50	7.7	○	10.0	207274	300
SMFR80200W3.0-D8	3.95	20	6.0	3.0	0.2	D8	50	7.7	○	10.0	207275	300

SMFL 左端面槽刀 Left End Face Grooving



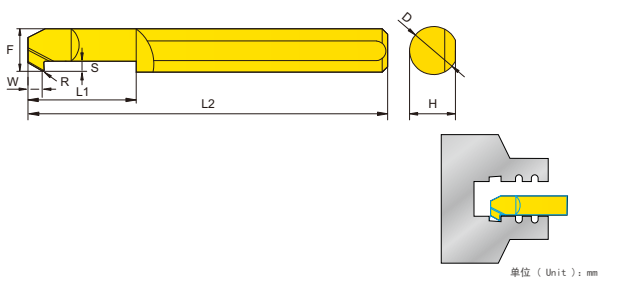
规格型号 Model	F	L1	T	W	R	D	L2	H	库存 Stock	加工直径 Processing Diameter	订购编号 Order No.	价格 (RMB)
SMFL60150W0.75-D6	2.95	15	1.5	0.75	0.1	D6	50	5.7	○	8.0	207281	200
SMFL60150W1.0-D6	2.95	15	2.0	1.0	0.1	D6	50	5.7	○	8.0	207282	200
SMFL80200W2.0-D8	3.95	20	4.0	2.0	0.2	D8	50	7.7	○	8.0	207283	300
SMFL80200W2.5-D8	3.95	20	5.0	2.5	0.2	D8	50	7.7	○	10.0	207284	300
SMFL80200W3.0-D8	3.95	20	6.0	3.0	0.2	D8	50	7.7	○	10.0	207285	300

SMVR 深端面槽刀 Deepen End Face Grooving



规格型号 Model	L1	W	R	D	L2	H	库存 Stock	加工直径 Processing Diameter	订购编号 Order No.	价格 (RMB)
SMVR10150W0.2-D10	15	2.0	0.2	D10	50	9	○	15	207291	500
SMVR10150W3.0-D10	15	3.0	0.2	D10	50	9	○	15	207292	500
SMVR10150W4.0-D10	15	4.0	0.2	D10	50	9	○	15	207293	500

SBXR 内孔勾刀 Back Boring Cutter



规格型号 Model	F	W	S	L1	R	D	L2	H	库存 Stock	加工直径 Processing Diameter	订购编号 Order No.	价格 (RMB)
SBXR40100R010-D4	3.8	1.5	1.0	10	0.1	D4	50	3.7	○	4mm	207335	130
SBXR50150R015-D5	4.8	2.0	1.5	15	0.15	D5	50	4.7	○	5mm	207336	150
SBXR60200R020-D6	5.8	2.0	2.0	20	0.2	D6	50	5.7	○	6mm	207337	150

车削刀柄

CSV 凸轮机床刀具

DS 刀柄

正面排刀

Y轴刀柄

前车削

后车削

小径切槽切断螺纹

小孔加工

滚花车花

焊接车刀夹头

外圆车削

内孔车削

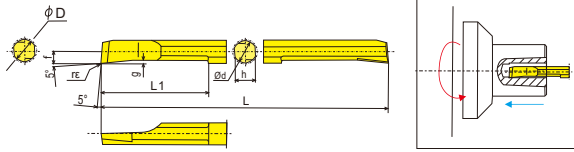
螺纹车削

切槽切断

端面切槽

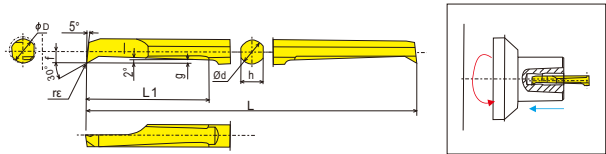
阻尼模组

SBFS 型 SBFS Type



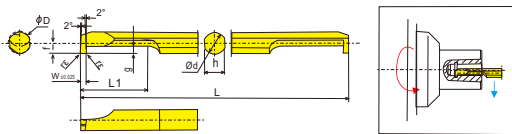
规格型号 Ordering code	加工直径 (mm) ϕd	尺寸 Dimensions						订购 编码 Order Number	价格 Price (RMB)		
		L	L1	f	h	g	r				
SBFS 020R005S	2.2	2	50	10	0.9	1.8	0.25	0.05	○	207100	360
030R005S	3.2	3	50	15	1.4	2.7	0.40	0.05	○	207102	360
030R015S	3.2	3	50	15	1.4	2.7	0.40	0.15	○	207104	360
040R005S	4.2	4	60	20	1.9	3.6	0.45	0.05	○	207106	360
040R015S	4.2	4	60	20	1.9	3.6	0.45	0.15	○	207108	360
050R005S	5.2	5	70	25	2.4	4.5	0.50	0.05	○	207110	360
050R015S	5.2	5	70	25	2.4	4.5	0.50	0.15	○	207112	360

SBFB 型 SBFB Type



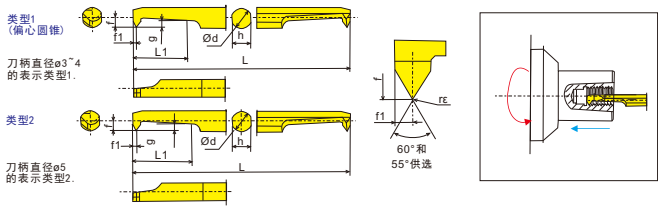
规格型号 Ordering code	加工直径 (mm) ϕd	尺寸 Dimensions						订购 编码 Order Number	价格 Price (RMB)		
		L	L1	f	h	g	r				
SBFB 020R005F	2.2	2	50	10	0.9	1.8	0.25	0.05	○	207300	410
030R005F	3.2	3	50	15	1.4	2.7	0.40	0.05	○	207302	410
030R015F	3.2	3	50	15	1.4	2.7	0.40	0.15	○	207304	410
040R005F	4.2	4	60	20	1.9	3.6	0.45	0.05	○	207306	410
040R015F	4.2	4	60	20	1.9	3.6	0.45	0.15	○	207308	410
050R005F	5.2	5	70	25	2.4	4.5	0.50	0.05	○	207310	410
050R015F	5.2	5	70	25	2.4	4.5	0.50	0.15	○	207312	410

SBG 型 SBG Type



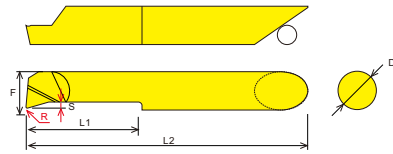
规格型号 Ordering code	加工直径 (mm) ϕd	尺寸 Dimensions						订购 编码 Order Number	价格 Price (RMB)			
		W	L1	g	L	f	h					
SBG 030050RB	3	0.50	3	9	0.8	50	1.3	2.7	0.05	○	207200	500
030075RB	3	0.75	3	9	0.8	50	1.3	2.7	0.05	○	207202	500
030100RB	3	1.00	3	9	0.8	50	1.3	2.7	0.05	○	207204	500
040050RB	4	0.50	4	12	1.0	60	1.8	3.6	0.05	○	207206	500
040075RB	4	0.75	4	12	1.0	60	1.8	3.6	0.05	○	207208	500
040100RB	4	1.00	4	12	1.0	60	1.8	3.6	0.05	○	207210	500
050050RB	5	0.50	5	20	1.2	70	2.3	4.5	0.05	○	207212	500
050100RB	5	1.00	5	20	1.2	70	2.3	4.5	0.05	○	207214	500
050150RB	5	1.50	5	20	1.2	70	2.3	4.5	0.05	○	207216	500

SBT 型 SBT Type



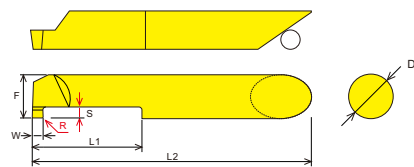
规格型号 Ordering code	加工直径 (mm) ϕd	尺寸 Dimensions						可加工范围				订购 编码 Order Number	价格 Price (RMB)			
		L	L1	f	h	g	r	螺距 Pitch	螺距 Pitch	螺距 Pitch	螺距 Pitch					
SBT 030M4RB	3.0	3.0	7.5	0.8	50	1.3	0.5	2.7	0.05 M4 以上	15-14	No.8-32 UNC1.1	16-32	MAX0.7	No.8-32UNC	207400	500
035M5RB	3.5	3.5	8.5	1.0	60	1.50	0.55	3.2	0.05 M4.5 以上	15-14	No.10-24 UNC1.1	16-30	MSX0.8	No.10-24UNC	207402	500
040M6RB	4.0	4.0	10.5	1.2	60	1.8	0.7	3.6	0.05 M5.5 以上	17-15	No.10-24 UNC1.1	16-20	MEX1.0	114-20UNC	207404	500
050M8RB	5.0	5.0	15.8	1.5	70	2.3	0.8	4.5	0.05 M8 以上	17-11	114-23 UNF1.1	16-18	MEX1.25	516-18UNC	207406	500

钨钢小径内孔镗刀 (后斜插式) Tungsten Steel Small Diameter Boring Tool (Back oblique insertion)



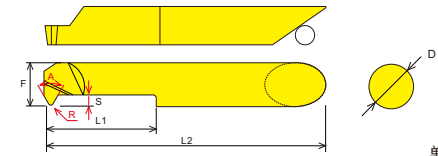
规格型号 Ordering code	小加工 直径 Minimum Machining Diameter	尺寸 Dimensions							订购 编码 Order Number	价格 Price (RMB)
		F	L1	S	R	H	L2	ϕD		
XSBFR 20R005	2.0	1.7	7	0.25	0.05	32.5	4		207120	200
25R005	2.5	2.3	8	0.25	0.05	33.5	4		207121	200
30R008	3.0	2.75	12	0.4	0.08	37.5	4		207122	200
35R010	3.5	3.25	15	0.4	0.1	40	4		207123	200
40R010	4.0	3.8	15	0.6	0.1	39.5	4		207124	200
50R015	5.0	4.7	25	0.75	0.15	51	5		207125	300
60R015	6.0	5.7	30	0.75	0.15	56.5	6		207126	300
70R015	7.0	6.7	35	0.8	0.15	60	7		207127	400

钨钢小径内孔切槽刀 (后斜插式) Tungsten Steel Small Bore Grooving Cutter (Back oblique insertion)



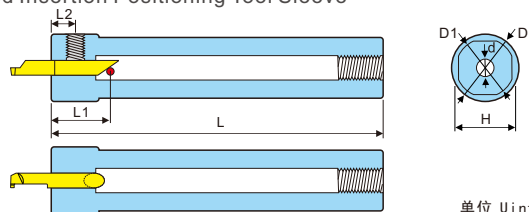
规格型号 Ordering code	小加工 直径 Minimum Machining Diameter	尺寸 Dimensions							订购 编码 Order Number	价格 Price (RMB)
		F	L1	S	R	H	L2	ϕD		
XSBWR 0512R005D4	4.0	3.8	12	1.0	0.05	37	4	0.5	207220	200
1012R005D4	4.0	3.8	12	1.0	0.05	37	4	1.0	207221	200
1512R005D4	4.0	3.8	12	1.0	0.05	37	4	1.5	207222	200
1020R010D5	5.0	4.6	20	1.5	0.1	46	5	1.0	207223	300
1520R010D5	5.0	4.6	20	1.5	0.1	46	5	1.5	207224	300
2020R010D5	5.0	4.6	20	1.5	0.1	46	5	2.0	207225	300
1020R015D6	6.0	5.7	20	2.0	0.15	46.5	6	1.0	207226	300
1520R015D6	6.0	5.7	20	2.0	0.15	46.5	6	1.5	207227	300
2020R015D6	6.0	5.7	20	2.0	0.15	46.5	6	2.0	207228	300
1025R015D8	8.0	7.5	25	2.0	0.15	53.5	8	1.0	207229	400
1525R015D8	8.0	7.5	25	2.0	0.15	53.5	8	1.5	207230	400
2025R015D8	8.0	7.5	25	2.0	0.15	53.5	8	2.0	207231	400
2525R015D8	8.0	7.5	25	3.0	0.15	53.5	8	2.5	207232	400

钨钢小径内孔螺纹刀 (后斜插式) Tungsten Steel Small Bore Threading Tool (Back oblique insertion)



规格型号 Ordering code	小加工 直径 Minimum Machining Diameter	尺寸 Dimensions							订购 编码 Order Number	价格 Price (RMB)
		F	L1	S	R	H	L2	ϕD		
XSTIR 3815-A60	M4	3.8	15	1.2	0.05	40	4	60°	207410	200
4715-A60	M5	4.7	15	1.5	0.05	40	5	60°	207411	300
5920-A60	M6	5.9	20	2.0	0.08	46.5	6	60°	207412	300
3815-A55	M4	3.8	15	1.2	0.05	40	4	55°	207413	200
4715-A55	M5	4.7	15	1.5	0.05	40	5	55°	207414	300
5920-A55	M6	5.9	20	2.0	0.08	46.5	6	55°	207415	300

斜插式定位刀套 Inclined Insertion Positioning Tool Sleeve



规格型号 Ordering code	内孔 直径 Bore Diameter	尺寸 Dimensions					订购 编码 Order Number	价格 Price (RMB)	
		D	L1	L2	H	L			
XSBH 2004	4	22	20	8	19	100	20	708170	300
2005	5	22	20	8	19	100	20	708172	300
2006	6	22	20	8	19	100	20	708174	300
2007	7	22	20	8	19	100	20	708176	300
2008	8	22	20	8	19	100	20	708178	300

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

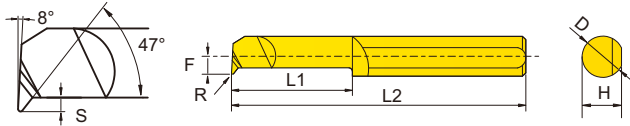
螺纹
车削

切槽
切断

端面
切槽

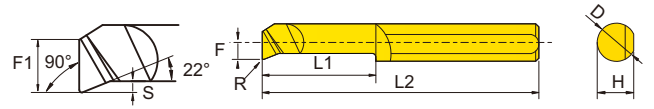
阻尼
模组

MQR 内孔仿形镗刀-刀尖 35° Cutting Edge Angle 35°



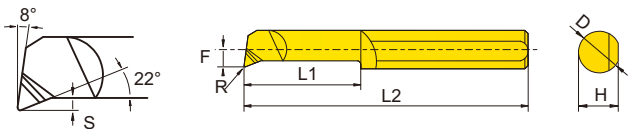
规格型号 Model	F	L1	R	D	L2	H	加工直径 Processing Diameter	价格 (RMB)
MQR 4R0.2 L10-D4	1.8	10	0.2	D4	51	3.7	4.1mm	
4R0.2 L15-D4	1.8	15	0.2	D4	51	3.7	4.1mm	
4R0.2 L22-D4	1.8	22	0.2	D4	51	3.7	4.1mm	
MQR 5R0.2 L15-D5	2.3	15	0.2	D5	51	4.7	5.1mm	
5R0.2 L22-D5	2.3	22	0.2	D5	51	4.7	5.1mm	
MQR 6R0.2 L15-D6	2.8	15	0.2	D6	51	5.7	6.1mm	
6R0.2 L22-D6	2.8	22	0.2	D6	51	5.7	6.1mm	
MQR 8R0.2 L22-D8	3.8	20	0.2	D8	58	5.7	6.1mm	
8R0.2 L27-D8	3.8	27	0.2	D8	64	7.7	8.1mm	
MQR 8R0.2 L27-D8	3.8	27	0.2	D8	64	7.7	8.1mm	

MUR 内孔端面镗孔 End Face Machining



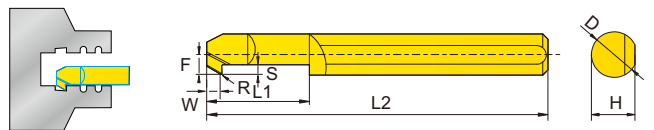
规格型号 Model	F	L1	R	D	L2	H	加工直径 Processing Diameter	价格 (RMB)
MUR 3R0.05 L10-D3	1.3	10	0.05	D3	39	2.7	3.1mm	
3R0.05 L15-D3	1.3	15	0.05	D3	39	2.7	3.1mm	
MUR 4R0.1 L10-D4	1.7	10	0.1	D4	51	3.7	4.1mm	
4R0.1 L15-D4	1.7	15	0.1	D4	51	3.7	4.1mm	
MUR 5R0.15 L15-D5	2.1	15	0.15	D5	51	4.7	5.1mm	
5R0.15 L22-D5	2.1	22	0.15	D5	51	4.7	5.1mm	
MUR 6R0.15 L15-D6	2.8	15	0.15	D6	51	5.7	6.1mm	
6R0.15 L22-D6	2.8	22	0.15	D6	51	5.7	6.1mm	
MUR 8R0.2 L22-D8	3.8	22	0.27	D8	64	7.7	8.1mm	

MPR 内孔镗刀-刀尖 60° Cutting Edge Angle 60°



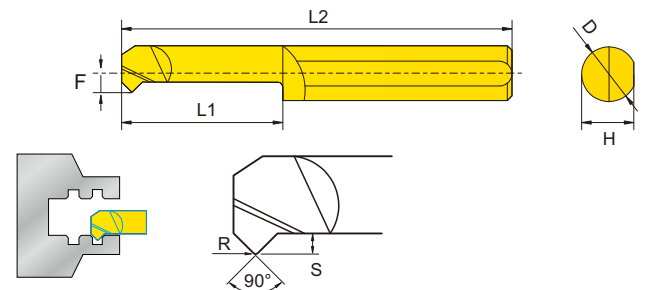
规格型号 Model	F	L1	R	D	L2	H	加工直径 Processing Diameter	价格 (RMB)
MPR 1R0.05 L 4-D3	0.5	4	0.05	D3	39	2.7	1.0mm	
1.5R0.1L 6-D3	0.7	6	0.1	D3	39	2.7	1.5mm	
MPR 2R0.05 L10-D3	0.8	10	0.05	D3	39	2.7	2.1mm	
2R0.1 L10-D3	0.8	10	0.1	D3	39	2.7	2.1mm	
2R0.15 L 5-D3	0.8	5	0.15	D3	39	2.7	2.1mm	
2R0.15 L10-D3	0.8	10	0.15	D3	39	2.7	2.1mm	
MPR 3R0.05 L10-D3	1.3	10	0.05	D3	39	2.7	3.1mm	
3R0.05 L15-D3	1.3	15	0.05	D3	39	2.7	3.1mm	
3R0.1 L15-D3	1.3	15	0.1	D3	39	2.7	3.1mm	
3R0.1 L22-D3	1.3	22	0.1	D3	47	2.7	3.1mm	
3R0.2 L10-D3	1.3	10	0.2	D3	39	2.7	3.1mm	
3R0.2 L15-D3	1.3	15	0.2	D3	39	2.7	3.1mm	
3R0.2 L22-D3	1.3	22	0.2	D3	47	2.7	3.1mm	
MPR 4R0.1 L15-D4	1.7	15	0.1	D4	51	3.7	4.1mm	
4R0.1 L22-D4	1.7	22	0.1	D4	51	3.7	4.1mm	
4R0.2 L10-D4	1.7	10	0.2	D4	51	3.7	4.1mm	
4R0.2 L15-D4	1.7	15	0.2	D4	51	3.7	4.1mm	
4R0.2 L22-D4	1.7	22	0.2	D4	51	3.7	4.1mm	
MPR 5R0.1 L22-D5	2.1	22	0.1	D5	51	4.7	5.1mm	
5R0.1 L30-D5	2.1	30	0.1	D5	76	4.7	5.1mm	
5R0.2 L15-D5	2.1	15	0.2	D5	51	4.7	5.1mm	
5R0.2 L22-D5	2.1	22	0.2	D5	51	4.7	5.1mm	
5R0.2 L30-D5	2.1	30	0.2	D5	76	4.7	5.1mm	
MPR 6R0.2 L15-D6	2.8	15	0.2	D6	51	5.7	6.1mm	
6R0.2 L22-D6	2.8	22	0.2	D6	51	5.7	6.1mm	
6R0.2 L30-D6	2.8	30	0.2	D6	76	5.7	6.1mm	
MPR 7R0.2 L22-D7	3.3	22	0.2	D7	62	6.7	7.1mm	
7R0.2 L30-D7	3.3	30	0.2	D7	62	6.7	7.1mm	
MPR 8R0.2 L15-D8	3.8	15	0.2	D8	64	7.7	8.1mm	
8R0.2 L22-D8	3.8	22	0.2	D8	64	7.7	8.1mm	
8R0.2 L35-D8	3.8	35	0.2	D8	76	7.7	8.1mm	
MPR 10R0.2 L35-D10	4.8	35	0.2	D10	73	9.5	10.1mm	

MXR 内孔勾刀 Back Boring Cutter



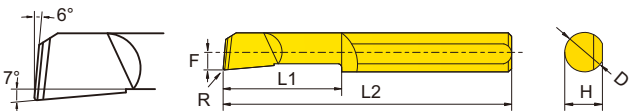
规格型号 Model	F	W	S	L1	R	D	L2	H	加工直径 Processing Diameter	价格 (RMB)
MXR 4R0.1 L10-D4	1.3	1.5	0.5	10	0.1	D4	51	3.7	4mm	
4R0.15 L10-D4	1.6	1.5	0.8	10	0.15	D4	51	3.7	4mm	
4R0.15 L15-D4	1.6	1.5	0.8	15	0.15	D4	51	3.7	4mm	
MXR 5R0.2 L15-D5	2.2	1.5	1.0	15	0.2	D5	51	4.7	5mm	
5R0.2 L22-D5	2.2	1.5	1.0	22	0.2	D5	51	4.7	5mm	
MXR 6R0.2 L15-D6	2.8	1.5	1.8	15	0.2	D6	51	5.7	6mm	
6R0.2 L22-D6	2.8	1.5	1.8	22	0.2	D6	51	5.7	6mm	

MCR 内孔镗及倒角-刀尖 90° Boring + Chamfering 45°



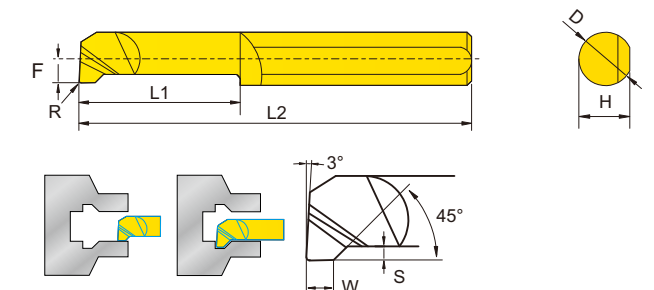
规格型号 Model	F	L1	S	R	D	L2	H	加工直径 Processing Diameter	价格 (RMB)
MCR 3R0.2L10-D3	1.3	10	0.7	0.2	D3	39	3.7	3.1mm	
MCR 4R0.2L15-D4	1.7	15	0.8	0.2	D4	51	3.7	4.1mm	
MCR 5R0.2L15-D5	2.1	15	1.2	0.2	D5	51	4.7	5.1mm	
MCR 6R0.2L15-D6	2.8	15	1.4	0.2	D6	51	5.7	6.1mm	

MTR 内孔镗刀-刀尖 77° Cutting Edge Angle 77°



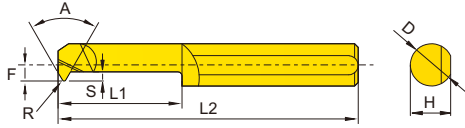
规格型号 Model	F	L1	R	D	L2	H	加工直径 Processing Diameter	价格 (RMB)
MTR 1R0.05 L 4-D3	0.5	4	0.05	D3	39	2.7	1.0mm	
MTR 1.5R0.1L 6-D3	0.7	6	0.1	D3	39	2.7	1.5mm	
MTR 2R0.05 L10-D3	0.8	10	0.05	D3	39	2.7	2.1mm	
2R0.15 L 5-D3	0.8	5	0.15	D3	39	2.7	2.1mm	
2R0.15 L10-D3	0.8	10	0.15	D3	39	2.7	2.1mm	
MTR 3R0.05 L10-D3	1.3	10	0.05	D3	39	2.7	3.1mm	
3R0.05 L15-D3	1.3	15	0.05	D3	39	2.7	3.1mm	
3R0.1 L15-D3	1.3	15	0.1	D3	39	2.7	3.1mm	
3R0.2 L10-D3	1.3	10	0.2	D3	39	2.7	3.1mm	
3R0.2 L15-D3	1.3	15	0.2	D3	39	2.7	3.1mm	
MTR 4R0.05 L15-D4	1.7	15	0.05	D4	51	3.7	4.1mm	
4R0.1 L10-D4	1.7	10	0.1	D4	51	3.7	4.1mm	
4R0.1 L15-D4	1.7	15	0.1	D4	51	3.7	4.1mm	
4R0.1 L22-D4	1.7	22	0.1	D4	51	3.7	4.1mm	
4R0.2 L10-D4	1.7	10	0.2	D4	51	3.7	4.1mm	
4R0.2 L15-D4	1.7	15	0.2	D4	51	3.7	4.1mm	
4R0.2 L22-D4	1.7	22	0.2	D4	51	3.7	4.1mm	
MTR 5R0.05 L15-D5	2.1	15	0.05	D5	51	4.7	5.1mm	
5R0.1 L15-D5	2.1	15	0.1	D5	51	4.7	5.1mm	
5R0.1 L22-D5	2.1	22	0.1	D5	51	4.7	5.1mm	
5R0.1 L30-D5	2.1	30	0.1	D5	76	4.7	5.1mm	
5R0.2 L15-D5	2.1	15	0.2	D5	51	4.7	5.1mm	
5R0.2 L22-D5	2.1	22	0.2	D5	51	4.7	5.1mm	
5R0.2 L30-D5	2.1	30	0.2	D5	76	4.7	5.1mm	
MTR 6R0.05 L15-D6	2.8	15	0.05	D6	51	5.7	6.1mm	
6R0.1 L15-D6	2.8	15	0.1	D6	51	5.7	6.1mm	
6R0.2 L15-D6	2.8	15	0.2	D6	51	5.7	6.1mm	
6R0.2 L22-D6	2.8	22	0.2	D6	51	5.7	6.1mm	
6R0.2 L30-D6	2.8	30	0.2	D6	58	5.7	6.1mm	
6R0.2 L35-D6	2.8	35	0.2	D6	76	5.7	6.1mm	
MTR 7R0.2 L22-D7	3.3	22	0.2	D7	62	6.7	7.1mm	
7R0.2 L30-D7	3.3	30	0.2	D7	62	6.7	7.1mm	
MTR 8R0.2 L15-D8	3.8	15	0.2	D8	64	7.7	8.1mm	
8R0.2 L22-D8	3.8	22	0.2	D8	64	7.7	8.1mm	
8R0.2 L35-D8	3.8	35	0.2	D8	76	7.7	8.1mm	
MTR 10R0.2 L35-D10	4.8	35	0.2	D10	73	9.5	10.1mm	

MDR 内孔镗+倒角+切槽 Boring + Chamfering + Grooving



规格型号 Model	F	L1	S	R	D	L2	H	W	加工直径 Processing Diameter	价格 (RMB)
MDR 4R0.5L18-D4	1.8	18	0.8	0.5	D4	51	3.7	1.5	4.1mm	
MDR 5R0.5L24-D5	2.3	24	1.2	0.5	D5	51	4.7	1.5	5.1mm	
MDR 6R0.5L27-D6	2.8	27	1.4	0.5	D6	58	5.7	1.5	6.1mm	

MIR 内孔牙刀 60°/55° Internal Hole Thread Processing



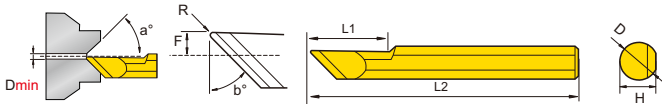
A=60°牙型公制/美制螺纹 60° Profile Angle Metric / American Thread

规格型号 Model	F	L1	L2	D	美制螺纹 American	公制 Metric	螺距 Pitch	加工直径 Processing Diameter	价格 (RMB)
MIR 1 L5 A60-D3	0.55	5	39	D3	100-72	M1.6	0.25	0.35	1.2mm
MIR 1.5 L6 A60-D3	0.65	6	39	D3	72-56	M2	0.35	0.45	1.4mm
MIR 2 L8 A60-D3	1.0	8	39	D3	56-32	M2.5	0.45	0.7	2.1mm
MIR 3 L15A60-D3	1.4	15	39	D3	32-24	M4	0.7	1.0	3.2mm
MIR 4 L15A60-D4	1.8	15	51	D4	32-24	M5/M6	0.8	1.0	4.1mm
MIR 5 L15A60-D5	2.3	15	51	D5	24-20	M8	1.0	1.25	5.1mm
MIR 5 L22A60-D5	2.3	22	51	D5	24-20	M8	1.0	1.25	5.1mm
MIR 6 L15A60-D6	2.6	15	51	D6	24-16	M10	1.0	1.5	6.0mm
MIR 6 L22A60-D6	2.6	22	51	D6	24-16	M10	1.0	1.5	6.0mm
MIR 8 L22A60-D8	3.6	22	64	D8	24-13	M12	1.0	2.0	8.0mm

A=55°牙型英制螺纹 55° Profile Angle Inch Thread

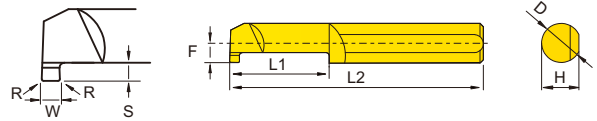
MIR 3L15A55-D3	1.4	15	39	D3	48-24		0.5	1.0	3.2mm
MIR 4L15A55-D4	1.8	15	51	D4	48-24		0.5	1.0	4.1mm
MIR 5L15A55-D5	2.3	15	51	D5	48-20		0.5	1.25	5.1mm
MIR 5L22A55-D5	2.3	22	51	D5	48-20		0.5	1.25	5.1mm
MIR 6L15A55-D6	2.6	15	51	D6	48-16		0.5	1.5	6.0mm
MIR 6L22A55-D6	2.6	22	51	D6	48-16		0.5	1.5	6.0mm

MWR 端面倒角及仿形加工 End Chamfer and Profiling



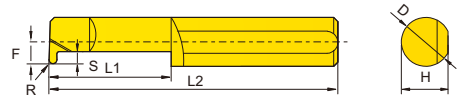
规格型号 Model	F	a°	b°	R	L1	L2	H	D	加工直径 Processing Diameter	价格 (RMB)
MWR 6R0.2 A90-D6	2.3	45°	45°	0.2	15	51	5.7	6.0	1.0mm	
MWR 6R0.2 A60-D6	2.3	60°	30°	0.2	15	51	5.7	6.0	1.0mm	

MGR 内孔槽刀 Internal Hole Grooving



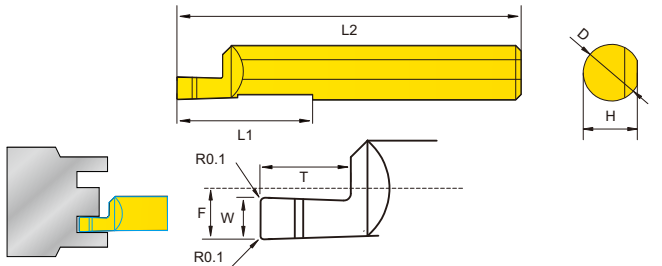
规格型号 Model	F	W	S	L1	L2	D	加工直径 Processing Diameter	价格 (RMB)
MGR 3B0.7L10-D3	1.3	0.7	0.6	10	39	D3	3.1mm	
MGR 4B1.0L10-D4	1.7	1.0	1.0	10	51	D4	4.1mm	
MGR 4B1.5L10-D4	1.7	1.5	1.0	10	51	D4	4.1mm	
MGR 5B1.0L15-D5	2.3	1.0	1.2	15	51	D5	5.1mm	
MGR 5B1.5L15-D5	2.3	1.5	1.2	15	51	D5	5.1mm	
MGR 5B2.0L15-D5	2.3	2.0	1.2	15	51	D5	5.1mm	
MGR 6B1.0L15-D6	2.8	1.0	1.4	15	51	D6	6.1mm	
MGR 6B1.5L15-D6	2.8	1.5	1.4	15	51	D6	6.1mm	
MGR 6B2.0L15-D6	2.8	2.0	1.4	15	51	D6	6.1mm	
MGR 8B1.0L22-D8	3.8	1.0	1.7	22	64	D8	8.1mm	
MGR 8B1.5L22-D8	3.8	1.5	1.7	22	64	D8	8.1mm	
MGR 8B2.0L22-D8	3.8	2.0	2.6	22	64	D8	8.1mm	

MKR 内孔圆槽刀 Inner Hole Round-Head Grooving



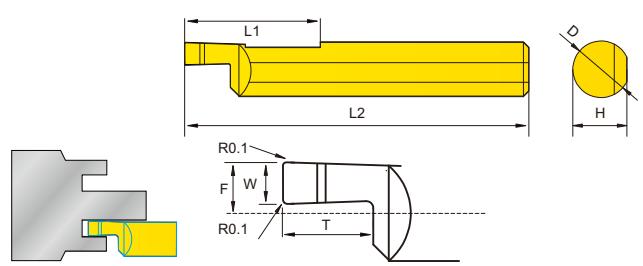
规格型号 Model	F	W	S	L1	L2	D	加工直径 Processing Diameter	价格 (RMB)
MKR 4R0.5 L10-D4	1.7	R0.5	1.0	10	51	D4	4.1mm	
MKR 4R0.75 L10-D4	1.7	R0.75	1.0	10	51	D4	4.1mm	
MKR 5R0.5 L15-D5	2.3	R0.5	1.2	15	51	D5	5.1mm	
MKR 5R0.75 L15-D5	2.3	R0.75	1.2	15	51	D5	5.1mm	
MKR 5R1.0 L15-D5	2.3	R1.0	1.2	15	51	D5	5.1mm	
MKR 6R0.5 L15-D6	2.8	R0.5	1.6	15	51	D6	6.1mm	
MKR 6R0.75 L15-D6	2.8	R0.75	1.6	15	51	D6	6.1mm	
MKR 6R1.0 L15-D6	2.8	R1.0	1.6	15	51	D6	6.1mm	

MFR 右端面槽刀 Right End Face Grooving



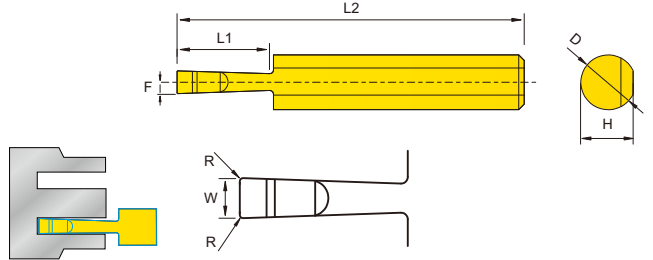
规格型号 Model	F	W	T	L1	L2	D	加工直径 Processing Diameter	价格 (RMB)
MFR 4B0.75 L15-D4	1.95	0.75	1.2	15	51	D4	5.0mm	
MFR 4B1.0 L15-D4	1.95	1.0	1.5	15	51	D4	5.0mm	
MFR 4B1.5 L15-D4	1.95	1.5	2.8	15	51	D4	5.0mm	
MFR 5B0.75 L22-D5	2.45	0.75	1.2	22	51	D5	6.0mm	
MFR 5B1.0 L22-D5	2.45	1.0	1.5	22	51	D5	6.0mm	
MFR 5B1.5 L22-D5	2.45	1.5	2.5	22	51	D5	6.0mm	
MFR 5B2.0 L22-D5	2.45	2.0	3.8	22	51	D5	6.0mm	
MFR 6B1.0 L22-D6	2.95	1.0	1.5	22	51	D6	8.0mm	
MFR 6B1.5 L22-D6	2.95	1.5	2.5	22	51	D6	8.0mm	
MFR 6B2.0 L22-D6	2.95	2.0	3.0	22	51	D6	8.0mm	
MFR 6B2.5 L22-D6	2.95	2.5	4.8	22	51	D6	8.0mm	
MFR 6B3.0 L30-D6	2.95	3.0	6.0	30	58	D6	8.0mm	
MFR 8B2.5 L22-D8	3.95	2.5	3.5	22	64	D8	10.0mm	

MFL 左端面槽刀 Left End Face Grooving



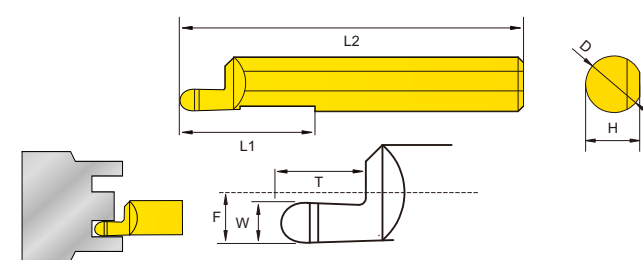
规格型号 Model	F	W	T	L1	L2	D	加工直径 Processing Diameter	价格 (RMB)
MFL 4B0.75 L15-D4	1.95	0.75	1.2	15	51	D4	5.0mm	
MFL 4B1.0 L15-D4	1.95	1.0	1.5	15	51	D4	5.0mm	
MFL 4B1.5 L15-D4	1.95	1.5	2.8	15	51	D4	5.0mm	
MFL 5B0.75 L22-D5	2.45	0.75	1.2	22	51	D5	6.0mm	
MFL 5B1.0 L22-D5	2.45	1.0	1.5	22	51	D5	6.0mm	
MFL 5B1.5 L22-D5	2.45	1.5	2.5	22	51	D5	6.0mm	
MFL 5B2.0 L22-D5	2.45	2.0	3.8	22	51	D5	6.0mm	
MFL 6B1.0 L22-D6	2.95	1.0	1.5	22	51	D6	8.0mm	
MFL 6B1.5 L22-D6	2.95	1.5	2.5	22	51	D6	8.0mm	
MFL 6B2.0 L22-D6	2.95	2.0	3.0	22	51	D6	8.0mm	
MFL 6B2.5 L22-D6	2.95	2.5	4.8	22	51	D6	8.0mm	
MFL 6B3.0 L30-D6	2.95	3.0	6.0	30	58	D6	8.0mm	
MFL 8B2.5 L22-D8	3.95	2.5	3.5	22	64	D8	10.0mm	

MVR 深端面槽刀 Deepen End Face Grooving



规格型号 Model	L1	W	R	D	L2	F	加工直径 Processing Diameter	价格 (RMB)
MVR 6B2.0 L15-D6	15	2.0	0.2	6.0	64	1.1	12.0mm	
MVR 6B2.0 L22-D6	22	2.0	0.2	6.0	64	1.1	12.0mm	
MVR 6B2.5 L22-D6	22	2.5	0.2	6.0	64	1.4	12.0mm	
MVR 8B3.0 L27-D8	27	3.0	0.2	8.0	64	1.6	15.0mm	
MVR 8B3.0 L43-D8	43	3.0	0.2	8.0	80	1.6	15.0mm	
MVR 8B3.0 L43-D8	43	3.0	0.2	8.0	80	2.1	20.0mm	

MZR 右端面圆头槽刀 Right End Face Round head Grooving



规格型号 Model	F	W	T	L1	L2	D	加工直径 Processing Diameter	价格 (RMB)
MZR 4R0.5 L15-D4	1.95	R0.5	1.2	15	51	D4	5.0mm	
MZR 4R0.75 L15-D4	1.95	R0.75	1.5	15	51	D4	5.0mm	
MZR 5R0.5 L22-D5	2.45	R0.5	1.2	22	51	D5	6.0mm	
MZR 5R0.75 L22-D5	2.45	R0.75	1.5	22	51	D5	6.0mm	
MZR 5R1.0 L22-D5	2.45	R1.0	2.0	22	51	D5	6.0mm	
MZR 6R0.5 L22-D6	2.95	R0.5	1.2	22	51	D6	8.0mm	
MZR 6R0.75 L22-D6	2.95	R0.75	1.5	22	51	D6	8.0mm	
MZR 6R1.0 L22-D6	2.95	R1.0	2.5	22	51	D6	8.0mm	

车削
车刀柄

CSV
凸床
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

HT 可换刀片小径内孔车削刀具

HT Interchangeable Insert Small Diameter Inner Hole Turning Tool

多用途：正刀/反刀/切槽/螺纹
Multipurpose: Straight/reverse/grooving/threading

孔径大于7mm适用

精密磨制刀片，精度高，低阻力槽型设计，PVD涂层耐磨
Precision Ground Insert, High Precision, Low Resistance Groove Design, Pvd Coating Wear-resistant

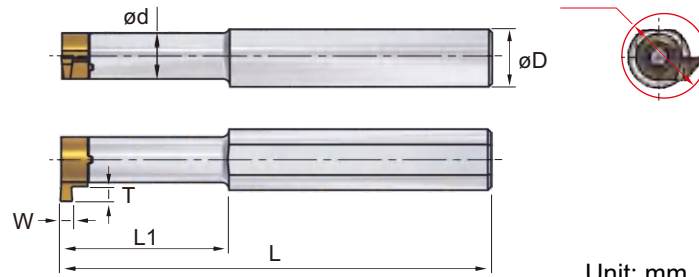
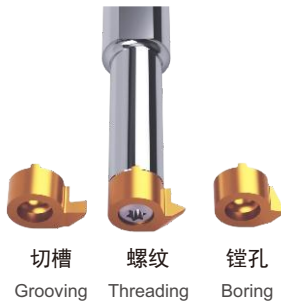


三槽定位：
夹持稳定并且精度高

Three Slot Positioning:
Stable Clamping and High Precision

内孔车削、切槽、螺纹与仿形

Boring, Grooving, Threading & Profiling

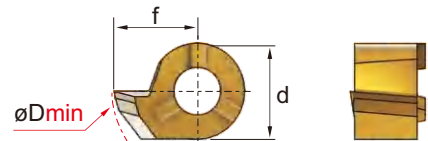


Unit: mm

型号 model	尺寸 Dimensions							Screw	Wrench	Insert
	øDmin	W	T	L	L1	ød	øD			
HT05-020-070-S12	6.8	1.0-2.0	1.0-1.5	70	20	5.2	12	M2.5x8	T8	HT05..
HT05C-040-100-S12	6.8	1.0-2.0	1.0-1.5	100	40	5.2	12	M2.5x8	T8	HT05..
HT07-030-080-S12	9.5	1.0-3.0	1.5-4.0	80	30	7.3	12	M3.5x10	T15	HT07..
HT07C-050-120-S12	9.5	1.0-3.0	1.5-4.0	120	50	7.3	12	M3.5x10	T15	HT07..
HT11-035-100-S12	15.5	2.0-4.0	2.0-5.5	100	35	11.2	12	M5.0x12	T20	HT11..
HT11-035-100-S16	15.5	2.0-4.0	2.0-5.5	100	35	11.2	16	M5.0x12	T20	HT11..
HT11C-080-150-S16	15.5	2.0-4.0	2.0-5.5	150	80	11.2	16	M5.0x12	T20	HT11..

镗孔刀片

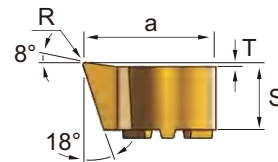
Boring Insert



切削线速度：mm/min⁻¹ Cutting line speed: mm/min⁻¹

ZP150		ZP152		CBN	PCD/ZK01
P 钢件 Steel parts	K 铸铁 Cast iron	M 不锈钢 Stainless steel	H 钛合金 Titanium alloy	S 硬质合金 Hard metal	N 铜铝 Copper aluminum
15-150	15-150	15-90	15-60	15-60	20-600

每转进给量：0.02-0.1mm/rev Feed rate per revolution: 0.02-0.1mm/rev



Unit: mm

型号 model	尺寸 Dimensions								Toolholder	CBN	PCD	ZK01	ZP150	ZP152
	øDmin	T	f	ød	a	S	R							
HT05-TR0.2-068R	7.0	0.3	4.0	5.2	7.0	5.2	0.2	Ht05..	○	○	●	●	●	
HT07-TR0.2-105R	10.5	0.3	6.5	7.3	10.0	5.2	0.2	HT07..	○	○	●	●	●	
HT11-TR0.2-144R	14.5	0.3	9.7	11.2	14.1	5.2	0.2	HT11..	○	○	●	●	●	

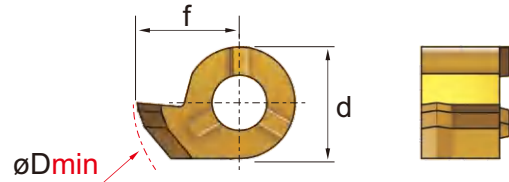
内孔车削

逗号刀片 Comma blade

螺纹刀片

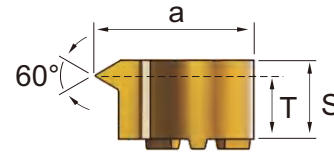
Threading Insert

螺纹加工
Thread processing



切削线速度 : mm/min⁻¹ Cutting line speed: mm/min⁻¹

ZP150 ZP152				CBN	PCD/ZK01
P 钢件 Steel parts	K 铸铁 Cast iron	M 不锈钢 Stainless steel	H 钛合金 Titanium alloy	S 硬质合金 Hard metal	N 铜铝 Copper aluminum
15-150	15-150	15-90	15-60	15-60	20-600



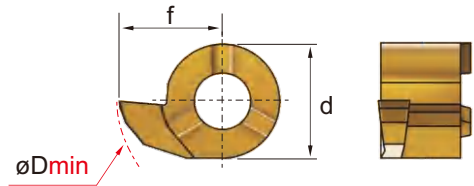
Unit: mm

型号 model	尺寸 Dimensions								Toolholder	CBN	PCD	ZK01	ZP150	ZP152
	øDmin	Tpi	T	f	ød	a	S	R						
HT05-AG60-150R	7.0	0.5-1.5	3.8	4.2	5.2	6.8	4.5		Ht05..	○	○	●	●	●
HT07-AG60-200R	10.5	0.5-2.0	3.8	4.2	7.3	6.8	4.5		HT07..	○	○	●	●	●
HT11-AG60-250R	15.0	0.5-2.5	3.8	4.2	11.2	6.8	4.5		HT11..	○	○	●	●	●

切槽刀片

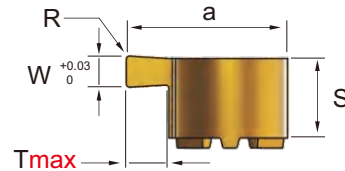
Grooving Insert

切槽
Grooving



切削线速度 : mm/min⁻¹ Cutting line speed: mm/min⁻¹

ZP150 ZP152				CBN	PCD/ZK01
P 钢件 Steel parts	K 铸铁 Cast iron	M 不锈钢 Stainless steel	H 钛合金 Titanium alloy	S 硬质合金 Hard metal	N 铜铝 Copper aluminum
15-150	15-150	15-90	15-60	15-60	20-600



Unit: mm

每转进给量 : 0.01-0.03mm/rev Feed rate per revolution: 0.01-0.03mm/rev

型号 model	尺寸 Dimensions								Toolholder	CBN	PCD	ZK01	ZP150	ZP152
	øDmin	W	Tmax	f	ød	a	S	R						
HT05-010R0.1-010R	6.8	1.0	1.0	4.0	5.2	6.6	4.3	0.1	Ht05..	○	○	●	●	●
HT05-010R0.1-015R	7.2	1.0	1.5	4.4	5.2	7.0	4.3	0.1	HT05..	○	○	●	●	●
HT05-015R0.1-015R	7.2	1.5	1.5	4.4	5.2	7.0	4.3	0.1	HT05..	○	○	●	●	●
HT05-020R0.2-015R	7.2	2.0	1.5	4.4	5.2	7.0	4.3	0.2	HT05..	○	○	●	●	●
HT07-010R0.1-015R	9.5	1.0	1.5	5.6	7.3	9.2	4.3	0.1	HT07..	○	○	●	●	●
HT07-010R0.1-025R	10.5	1.0	2.5	6.6	7.3	10.2	4.3	0.1	HT07..	○	○	●	●	●
HT07-015R0.1-015R	9.5	1.5	1.5	5.6	7.3	9.2	4.3	0.1	HT07..	○	○	●	●	●
HT07-015R0.1-025R	10.5	1.5	2.5	6.6	7.3	10.2	4.3	0.1	HT07..	○	○	●	●	●
HT07-020R0.2-025R	10.5	2.0	2.5	6.6	7.3	10.2	4.3	0.2	HT07..	○	○	●	●	●
HT07-020R0.2-035R	11.5	2.0	3.5	7.6	7.3	11.2	4.3	0.2	HT07..	○	○	●	●	●
HT07-025R0.2-025R	10.5	2.5	2.5	6.5	7.3	10.2	4.3	0.2	HT07..	○	○	●	●	●
HT07-030R0.2-025R	10.5	3.0	2.5	6.5	7.3	10.2	4.3	0.2	HT07..	○	○	●	●	●
HT07-030R0.2-040R	12.2	3.0	4.0	8.3	7.3	11.9	4.3	0.2	HT07..	○	○	●	●	●
HT11-020R0.2-030R	15.5	2.0	3.0	9.5	11.2	15.1	4.3	0.2	HT11..	○	○	●	●	●
HT11-020R0.2-050R	17.5	2.0	5.0	11.5	11.2	17.1	4.3	0.2	HT11..	○	○	●	●	●
HT11-025R0.2-030R	15.5	2.5	3.0	9.5	11.2	15.1	4.3	0.2	HT11..	○	○	●	●	●
HT11-025R0.2-050R	17.5	2.5	5.0	11.5	11.2	17.5	4.3	0.2	HT11..	○	○	●	●	●
HT11-030R0.2-030R	16.2	3.0	3.0	10.2	11.2	15.8	4.3	0.2	HT11..	○	○	●	●	●
HT11-030R0.2-055R	18.2	3.0	5.5	12.2	11.2	17.8	4.3	0.2	HT11..	○	○	●	●	●
HT11-035R0.2-030R	15.5	3.5	3.0	9.5	11.2	15.1	4.3	0.2	HT11..	○	○	●	●	●
HT11-035R0.2-055R	18.2	3.5	5.5	12.2	11.2	17.8	4.3	0.2	HT11..	○	○	●	●	●
HT11-040R0.2-055R	18.2	4.0	5.5	12.2	11.2	17.8	4.3	0.2	HT11..	○	○	●	●	●

车削
刀具

CSV
凸轮
车削
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

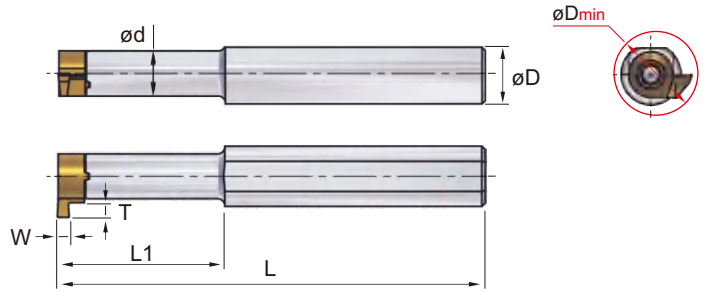
切槽
切断

端面
切槽

阻尼
模组

MB 可换刀片小径内孔车削刀具

MB Interchangeable Insert Small Diameter
Inner Hole Turning Tool

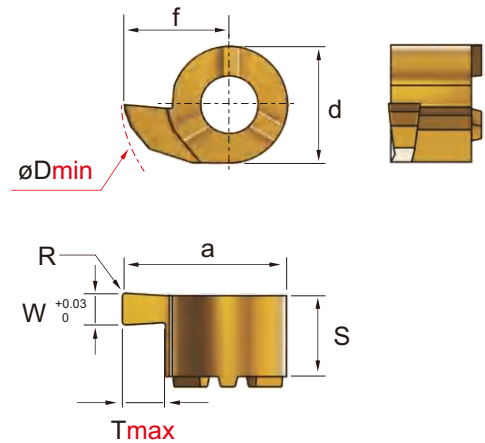
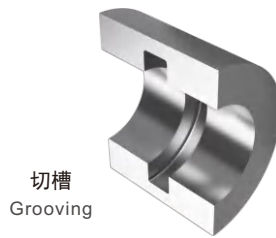


Unit: mm

型号 model	尺寸 Dimensions						Screw	Wrench	Insert	
	ϕD_{min}	W	T	L	L1	ϕd				ϕD
MB05-H12-16-100	9.0	1.0-2.0	2.8	100	16	5	12	M2.2x7	T6	MB-05..
MB07-H16-20-120	12.0	1.0-3.0	3.5	120	20	7	16	M3.0x8	T8	MB-07..
MB09-H16-30-120	17.0	1.5-3.0	6.5	120	30	9	16	M4.0x10	T15	MB-09..

切槽刀片

Grooving Insert



切削线速度 : mm/min⁻¹ Cutting line speed: mm/min⁻¹

ZP150 ZP152			CBN	PCD/ZK01	
P 钢件 Steel parts	K 铸铁 Cast iron	M 不锈钢 Stainless steel	H 钛合金 Titanium alloy	S 硬质合金 Hard metal	N 铜铝 Copper aluminum
15-150	15-150	15-90	15-60	15-60	20-600

每转进给量 : 0.01-0.03mm/rev Feed rate per revolution: 0.01-0.03mm/rev

Unit: mm

型号 model	尺寸 Dimensions								Toolholder	CBN	PCD	ZK01	ZP150	ZP152
	ϕD_{min}	W	T _{max}	f	ϕd	a	S	R						
MB-05GR100-2.8D09	9.0	1.0	2.8	4.4	5.0	7.9	3.3	0.0	MB05-H..	○	○	●	●	●
MB-05GR150-2.8D09	9.0	1.5	2.8	4.4	5.0	7.9	3.3	0.0	MB05-H..	○	○	●	●	●
MB-05GR200-2.8D09	9.0	2.0	2.8	4.4	5.0	7.9	3.3	0.0	MB05-H..	○	○	●	●	●
MB-07GR100-3.5D12	12.0	1.0	3.5	7.4	7.0	10.9	3.8	0.0	MB07-H..	○	○	●	●	●
MB-07GR150-3.5D12	12.0	1.5	3.5	7.4	7.0	10.9	3.8	0.0	MB07-H..	○	○	●	●	●
MB-07GR200-3.5D12	12.0	2.0	3.5	7.4	7.0	10.9	3.8	0.0	MB07-H..	○	○	●	●	●
MB-07GR250-3.5D12	12.0	2.5	3.5	7.4	7.0	10.9	3.8	0.0	MB07-H..	○	○	●	●	●
MB-07GR300-3.5D12	12.0	3.0	3.5	7.4	7.0	10.9	3.8	0.0	MB07-H..	○	○	●	●	●
MB-09GR150-6.5D17	17.0	1.5	6.5	11.4	9.0	15.9	4.6	0.0	MB09-H..	○	○	●	●	●
MB-09GR160-6.5D17	17.0	1.6	6.5	11.4	9.0	15.9	4.6	0.0	MB09-H..	○	○	●	●	●
MB-09GR170-6.5D17	17.0	1.7	6.5	11.4	9.0	15.9	4.6	0.0	MB09-H..	○	○	●	●	●
MB-09GR180-6.5D17	17.0	1.8	6.5	11.4	9.0	15.9	4.6	0.0	MB09-H..	○	○	●	●	●
MB-09GR200-6.5D17	17.0	2.0	6.5	11.4	9.0	15.9	4.6	0.0	MB09-H..	○	○	●	●	●
MB-09GR250-6.5D17	17.0	2.5	6.5	11.4	9.0	15.9	4.6	0.0	MB09-H..	○	○	●	●	●
MB-09GR300-6.5D17	17.0	3.0	6.5	11.4	9.0	15.9	4.6	0.0	MB09-H..	○	○	●	●	●

- 车削刀柄
- CSV 凸轮车削刀具
- DS 刀柄
- 正面排刀
- Y轴刀柄
- 前车削
- 后车削
- 小径切槽切断螺纹
- 小孔加工
- 滚花车花
- 焊接车刀夹头
- 外圆车削
- 内孔车削
- 螺纹车削
- 切槽切断
- 端面切槽
- 阻尼模组

切削线速度 Vc:m/min (ft/min)
Cutting line speed Vc:m/min (ft/min)

P

60-200
(195-655)

M

60-180
(195-590)

N

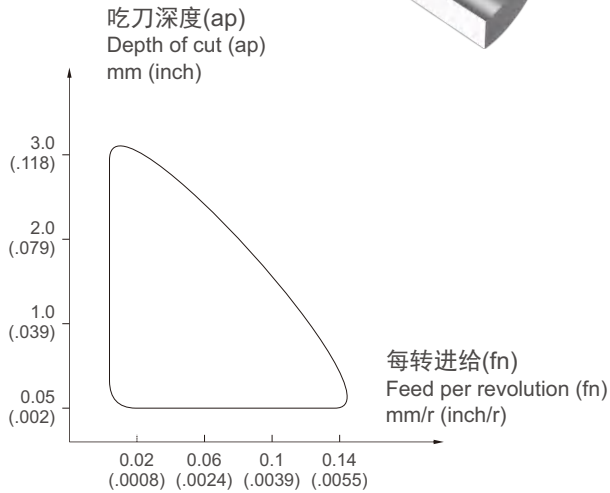
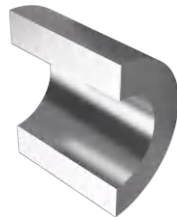
90-400
(295-..)

S

20-50
(65-165)

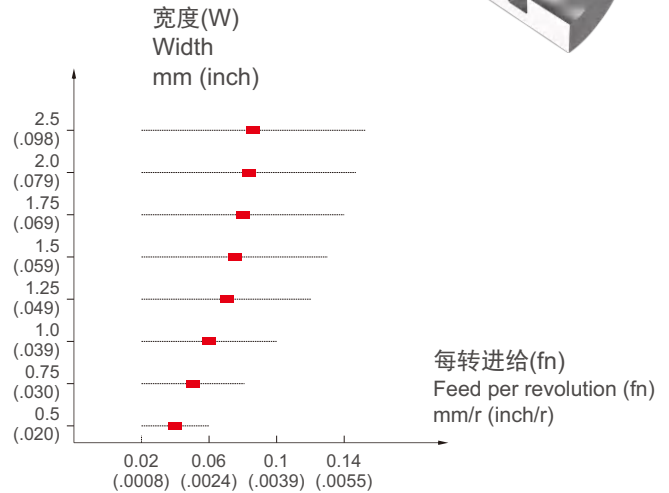
镗孔

Boring



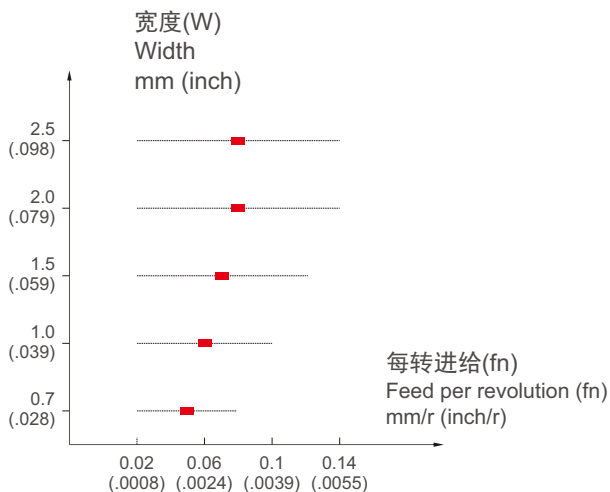
切槽

Grooving



切断

Cut off



螺纹

Thread



(径向进给推荐值)

(Recommended value for radial feed)

适用: 公制 ISO

Suit: ISO

螺距 pitch	螺纹总深度 ap Total thread depth ap		走刀次数 Number of tool passes
mm	mm	inch	nap
0.20	0.12	.005	4
0.25	0.15	.006	4
0.30	0.18	.007	4
0.35	0.20	.008	4
0.40	0.25	.010	4
0.45	0.28	.011	4
0.50	0.28	.011	4
0.75	0.46	.018	4
1.00	0.61	.024	5
1.25	0.74	.029	6
1.50	0.89	.035	6
1.75	1.07	.042	8
2.00	1.22	.048	8

适用: UN / W / NPT / BSPT

Suit: UN / W / NPT / BSPT

螺距 pitch	螺纹总深度 ap Total thread depth ap		走刀次数 Number of tool passes
tpi	mm	inch	nap
72	0.22	.0086	4
64	0.25	.0098	4
56	0.28	.0110	4
48	0.33	.0129	4
44	0.36	.0142	4
40	0.40	.0157	4
36	0.43	.0169	4
32	0.49	.0193	5
28	0.56	.0220	5
24	0.65	.0256	5
20	0.80	.0315	6
18	0.86	.0339	6
16	0.97	.0382	7
14	1.13	.0441	8
13	1.19	.0469	8
12	1.30	.0512	9

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

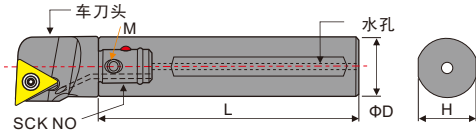
切槽
切断

端面
切槽

阻尼
模组

■ 模组化高硬度高刚性刀杆

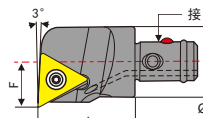
Modular High Hardness And High Rigidity Shank



型号 Ordering code	组合刀柄 SCK No	尺寸 Dimensions ΦD L	螺丝 Screw	扳手 Wrench	Stock	Order Number
SCK1-Y20-180L	SCK1	20 180	M5	PL25	●	221100
SCK2-Y25-175L	SCK2	25 175	M6	L3	●	221102
SCK2-Y25-225L	SCK2	25 225	M6	L3	●	221104
SCK3-Y32-220L	SCK3	32 220	M6	L3	○	221106
SCK3-Y32-270L	SCK3	32 270	M6	L3	○	221108
SCK4-Y40-267L	SCK4	40 267	M8	L4	○	221110
SCK5-Y50-300L	SCK5	50 300	M10	L5	○	221112

■ STUP型模组化车刀头

STUP Modular Vehicle Head



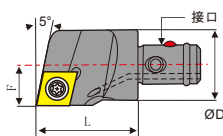
型号 Ordering code	使用刀片 INSERT	加工直径 Min ≥	尺寸 Dimensions ΦD L F	螺丝 Screw	扳手 Wrench	Stock	Order Number
SCK1-A20-STUPR11-22	TP1103	22	20 22 11.5	M3×8	T9	●	221200
SCK2-A25-STUPR11-30		30	25 25 15			●	221202
SCK1-A20-STUPR1603-25		25	20 22 13			●	221204
SCK2-A25-STUPR1603-28		28	25 27 14			●	221206
SCK3-A32-STUPR1603-38	TP1603	38	32 30 7.5	M4×8	T15	○	221208
SCK4-A40-STUPR1603-50		50	40 33 21.5			○	221210
SCK5-A50-STUPR1603-60		60	50 35 26.5			○	221212
SCK1-A20-STUPR16T3-25		25	20 22 13			●	221214
SCK2-A25-STUPR16T3-28		28	25 27 14			●	221216
SCK3-A32-STUPR16T3-38	TP16T3	38	32 30 17.5	M4×8	T15	○	221218
SCK4-A40-STUPR16T3-50		50	40 33 21.5			○	221220
SCK5-A50-STUPR16T3-60		60	50 35 26.5			○	221222
SCK1-A20-STUPR1604-25		25	20 22 13			●	221224
SCK2-A25-STUPR1604-28		28	25 27 14			●	221226
SCK3-A32-STUPR1604-38	TP1604	38	32 30 17.5	M4×8	T15	○	221228
SCK4-A40-STUPR1604-50		50	40 33 21.5			○	221230
SCK5-A50-STUPR1604-60		60	50 35 26.5			○	221232

■ STUC型模组化车刀头 STUC Modular Vehicle Head

型号 Ordering code	使用刀片 INSERT	加工直径 Min ≥	尺寸 Dimensions ΦD L F	螺丝 Screw	扳手 Wrench	Stock	Order Number
SCK1-A20-STUCR11-22	TC1103	22	20 22 11	M2.5×6	T8	●	221600
SCK2-A25-STUCR11-28		28	25 25 14			●	221602
SCK1-A20-STUCR16-22		22	20 22 11			●	221604
SCK2-A25-STUCR16-28		28	25 27 14			●	221606
SCK3-A32-STUCR16-38	TC16T3	38	32 30 17.5	M4×8	T15	○	221608
SCK4-A40-STUCR16-50		50	40 33 21.5			○	221610
SCK5-A50-STUCR16-60		60	50 35 26.5			○	221612

■ SCLC型模组化车刀头

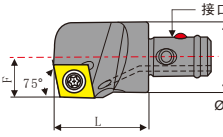
SCLC modular vehicle head



型号 Ordering code	使用刀片 INSERT	加工直径 Min ≥	尺寸 Dimensions ΦD L F	螺丝 Screw	扳手 Wrench	Stock	Order Number
SCK1-A20-SCLCR09-22		22	20 22 11			●	221300
SCK2-A25-SCLCR09-28		28	25 25 14.5			●	221302
SCK3-A32-SCLCR09-38	CC09T3	38	32 30 17.5	M4×8	T15	●	221304
SCK4-A40-SCLCR09-50		50	40 33 21			●	221306
SCK5-A50-SCLCR09-60		60	50 35 30			○	221308

■ SCKC型模组化车刀头

SCKC Modular Vehicle Head



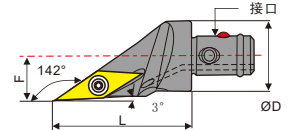
型号 Ordering code	使用刀片 INSERT	加工直径 Min ≥	尺寸 Dimensions ΦD L F	螺丝 Screw	扳手 Wrench	Stock	Order Number
SCK1-A20-SCKCR09-22	CC09T3	22	20 22 11	M4×8	T15	●	221800
SCK2-A25-SCKCR09-30		30	25 25 15			○	221802
SCK3-A32-SCKCR09-38		38	32 30 17.5			○	221804

■ 模组化钨钢车刀杆 Modular Tungsten Steel Tool Holder

型号 Ordering code	组合刀柄 SCK No	尺寸 Dimensions ΦD L	螺丝 Screw	扳手 Wrench	Stock	Order Number
SCK1-E20-180L	SCK1	20 180	M5	PL25	●	221500
SCK1-E20-230L	SCK1	20 230	M5	PL25	●	221502
SCK2-E25-175L	SCK2	25 175	M6	L3	●	221504
SCK2-E25-225L	SCK2	25 225	M6	L3	●	221506
SCK3-E32-170L	SCK3	32 170	M6	L3	○	221508
SCK3-E32-220L	SCK3	32 220	M6	L3	○	221510
SCK3-E32-270L	SCK3	32 270	M6	L3	○	221512
SCK4-E40-267L	SCK4	40 267	M8	L4	○	221514
SCK5-E50-300L	SCK5	50 300	M10	L5	○	221516

■ SVJC型模组化车刀头

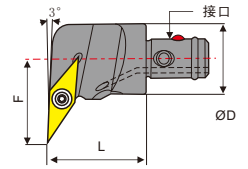
SVJC Type Modular Cutter Head



型号 Ordering code	使用刀片 INSERT	加工直径 Min ≥	尺寸 Dimensions ΦD L F	螺丝 Screw	扳手 Wrench	Stock	Order Number
SCK1-A20-SVJCR11-22	VC1103	22	20 19 11	M2.5×6	T8	●	221900
SCK1-A20-SVJCR16-22		22	20 33 11			●	221902
SCK2-A25-SVJCR16-28	VC1604	28	25 35 14	M3.5×6	T15	●	221904
SCK3-A32-SVJCR16-35		35	32 39 17.5			●	221906

■ SVUC型模组化车刀头

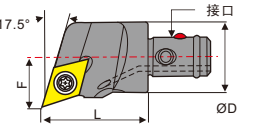
SVUC Type Modular Cutter Head



型号 Ordering code	使用刀片 INSERT	加工直径 Min ≥	尺寸 Dimensions ΦD L F	螺丝 Screw	扳手 Wrench	Stock	Order Number
SCK1-A20-SVUCR11-27	VC1103	27	20 22 15	M2.5×6	T8	●	222300
SCK2-A25-SVUCR11-30		30	25 25 17			●	222302
SCK1-A20-SVUCR16-31		31	20 27 19			●	222304
SCK2-A25-SVUCR16-33		33	25 27 18			●	222306
SCK3-A32-SVUCR16-40	VC1604	40	32 30 22	M3.5×8	T15	○	222308
SCK4-A40-SVUCR16-50		50	40 33 27			○	222310

■ SDQC型模组化车刀头

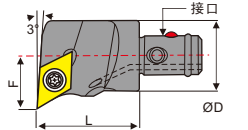
SDQC Modular Car Cutter Head



型号 Ordering code	使用刀片 INSERT	加工直径 Min ≥	尺寸 Dimensions ΦD L F	螺丝 Screw	扳手 Wrench	Stock	Order Number
SCK1-A20-SDQCR11-25	DC11T3	25	20 22 13	M4×8	T15	●	222000
SCK2-A25-SDQCR11-32		32	25 27 17			●	222002
SCK3-A32-SDQCR11-40		40	32 30 20			●	222004
SCK4-A40-SDQCR11-50		50	40 33 25			●	222006
SCK5-A50-SDQCR11-60		60	50 35 30			○	222008

■ SDUC型模组化车刀头

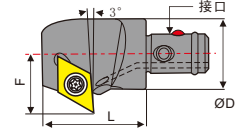
SDUC Type Modular Car Cutter Head



型号 Ordering code	使用刀片 INSERT	加工直径 Min ≥	尺寸 Dimensions ΦD L F	螺丝 Screw	扳手 Wrench	Stock	Order Number
SCK1-A20-SDUCR11-23	DC11T3	23	20 22 12.5	M4×8	T15	●	222400
SCK1-A20-SDUCR11-25		25	20 22 13			●	222402
SCK2-A25-SDUCR11-32		32	25 25 17			●	222404
SCK3-A32-SDUCR11-40		40	32 30 20			●	222406
SCK4-A40-SDUCR11-50		50	40 33 25			○	222408
SCK5-A50-SDUCR11-60		60	50 35 30			○	222410

■ SDZC型模组化车刀头

SDZC Modular Car Cutter Head



型号 Ordering code	使用刀片 INSERT	加工直径 Min ≥	尺寸 Dimensions ΦD L F	螺丝 Screw	扳手 Wrench	Stock	Order Number
SCK1-A20-SDZCR11-26	DC11T3	26	20 29 15.5	M4×8	T15	●	222100
SCK2-A25-SDZCR11-33		33	25 34 18			●	222102
SCK3-A32-SDZCR11-40		40	32 35 21.5			○	222104

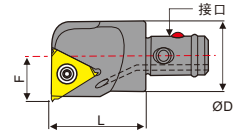
内孔车削

模块化内孔车刀 Modular inner hole turning tool

MGIV型 模块化车刀头 MGIV Modularized Cutter Head

型号 Ordering code	使用刀片 INSERT	尺寸 Dimensions			螺丝 Screw	扳手 Wrench	Stock	Order Number	
		加工直径 Min ≥ øD	L	F					
SCK1-A20-MGIVR25-2	MGMN2	25	20	24	M5×12	T15	○	222200	
SCK1-A20-MGIVR25-3	3	25	20	24			14.1	○	222202
SCK1-A20-MGIVR25-4	4	25	20	24			14.1	○	222204
SCK2-A25-MGIVR30-2	MGMN2	30	25	25			16.6	○	222206
SCK2-A25-MGIVR32-3	3	32	25	25			18.6	○	222208
SCK2-A25-MGIVR32-4	4	32	25	25	18.6	○	222210		

SIR型 模块化车刀头 SIR Type Modular Turning Head



型号 Ordering code	使用刀片 INSERT	尺寸 Dimensions			螺丝 Screw	扳手 Wrench	Stock	Order Number	
		加工直径 Min ≥ øD	L	F					
SCK1-A20-SIR16-24	16NR	24	20	22	13.7	M3/M3.5×8	T15	●	222500
SCK2-A25-SIR16-29		29	25	27	16.2			M3/M3.5×12	○

MTUN型 MTUN Type

型号 Ordering code	尺寸 Dimensions			使用刀片 INSERT	刀垫 Shim	销钉 Pin	压板 Clamp	螺丝 Screw	扳手 Wrench	Stock	Order Number	
	加工直径 Min ≥ øD	L	F									
SCK1-A20-MTUNR16-25	25	20	29	TN1604	MT1603	CTM513	HL1813	M6X25	PL25 PL30	●	222600	
SCK2-A25-MTUNR16-32	32	25	30							17	●	222602
SCK3-A32-MTUNR16-40	40	32	34							20	●	222604
SCK4-A40-MTUNR16-50	50	40	35							26	●	222606
SCK5-A50-MTUNR16-60	60	50	36							31	○	222608

MCLN型 MCLN Type

型号 Ordering code	尺寸 Dimensions			使用刀片 INSERT	刀垫 Shim	销钉 Pin	压板 Clamp	螺丝 Screw	扳手 Wrench	Stock	Order Number	
	加工直径 Min ≥ øD	L	F									
SCK1-A20-MCLNR12-25	25	20	33	CN1204	MC1204	CTM513	HL1813	M6X25	PL25 PL30	●	222700	
SCK2-A25-MCLNR12-32	32	25	34							15	●	222702
SCK3-A32-MCLNR12-40	40	32	35							20	●	222704
SCK4-A40-MCLNR12-50	50	40	35							25	●	222706
SCK5-A50-MCLNR12-63	63	50	36							30	○	222708

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

车削刀柄

CSV 凸轮车床刀具

DS 刀柄

正面排刀

Y轴刀柄

前车削

后车削

小径切槽切断螺纹

小孔加工

滚花车花

焊接车刀夹头

外圆车削

内孔车削

螺纹车削

切槽切断

端面切槽

阻尼模组

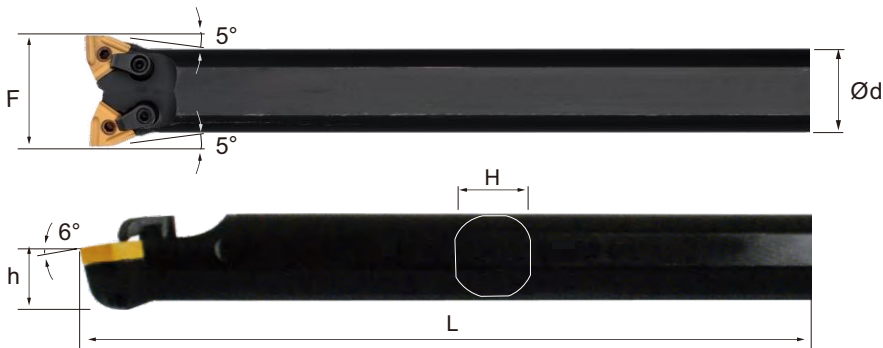
S..MW..双头外圆及内孔共用型车刀杆



Fig.1 正刀 R
S. . MW08. . R1.5

Fig.2 正刀 N
S. . MW08. . N

Fig.3 正刀 L
S. . MW08. . L1.5



特点：外圆及内孔车削用一把刀即可完成，节省换刀时间，提高加工效率！

Features: the turning of outer circle and inner hole can be completed with one knife, saving tool changing time and improving machining efficiency!

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	刀垫 Shim	中心销 Pin	压板 Clamp	压板螺丝 Screw	扳手 Wrench	图示 Fig	Order Number
	øD _{min}	ød	L	H	h	F	T								
S25R-MW08-R1.5	41	25	200	24	15	33	1.5	WN..0804..	MW0804	CTM613	HL1510	ML0520	PL25/30	Fig.1	
S32S-MW08-R1.5	49	32	250	30	20	38	1.5								
S40S-MW08-R1.5	56	40	250	38	25	45	1.5								
S25R-MW08-N	41	25	200	24	15	33	0	WN..0804..	MW0804	CTM613	HL1510	M5x20	PL25/30	Fig.2	
S32S-MW08-N	49	32	250	30	20	38	0								
S40S-MW08-N	56	40	250	38	25	45	0								
S25R-MW08-L1.5	41	25	200	24	15	33	1.5	WN..0804..	MW0804	CTM613	HL1510	M5x20	PL25/30	Fig.3	
S32S-MW08-L1.5	49	32	250	30	20	38	1.5								
S40S-MW08-L1.5	56	40	250	38	25	45	1.5								

S..MC..双头外圆及内孔共用型车刀杆

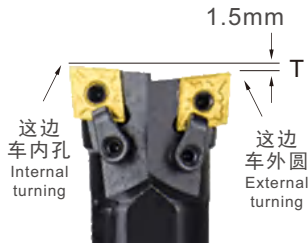


Fig.1 正刀 R
S..MC12..R1.5

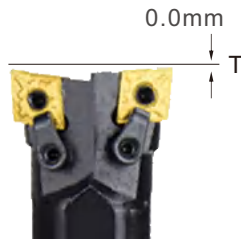


Fig.2 正刀 N
S..MC12..N

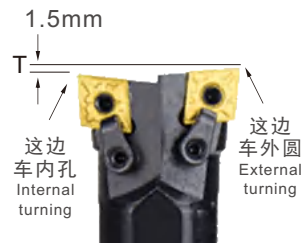
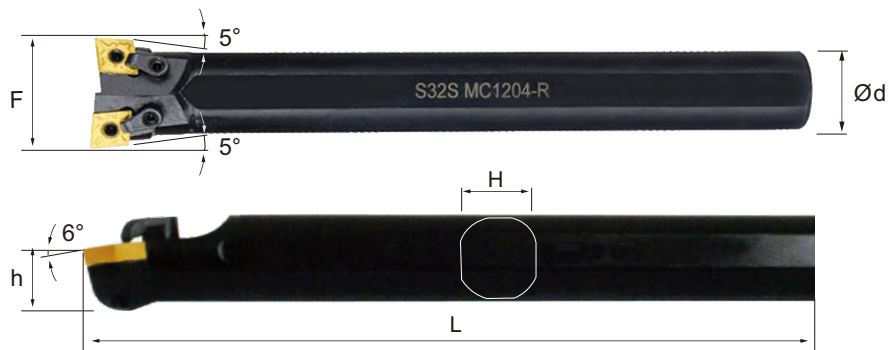


Fig.3 正刀 L
S..MC12..L1.5



特点：外圆及内孔车削用一把刀即可完成，节省换刀时间，提高加工效率！

Features: the turning of outer circle and inner hole can be completed with one knife, saving tool changing time and improving machining efficiency!

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	刀垫 Shim	中心销 Pin	压板 Clamp	压板螺丝 Screw	扳手 Wrench	图示 Fig	Order Number
	øD _{min}	ød	L	H	h	F	T								
S25R-MC12-R1.5	41	25	200	24	15	33	1.5	CN..1204..	MC1204	CTM613	HL1510	M5x20	PL25/30	Fig.1	
S32S-MC12-R1.5	49	32	250	30	20	38	1.5								
S40S-MC12-R1.5	56	40	250	38	25	45	1.5								
S25R-MC12-N	41	25	200	24	15	33	0	CN..1204..	MC1204	CTM613	HL1510	M5x20	PL25/30	Fig.2	
S32S-MC12-N	49	32	250	30	20	38	0								
S40S-MC12-N	56	40	250	38	25	45	0								
S25R-MC12-L1.5	41	25	200	24	15	33	1.5	CN..1204..	MC1204	CTM613	HL1510	M5x20	PL25/30	Fig.3	
S32S-MC12-L1.5	49	32	250	30	20	38	1.5								
S40S-MC12-L1.5	56	40	250	38	25	45	1.5								

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

车削刀柄

CSV 凸轮车床刀具

DS 刀柄

正面排刀

Y轴刀柄

前车削

后车削

小径切槽切断螺纹

小孔加工

滚花车花

焊接车刀夹头

外圆车削

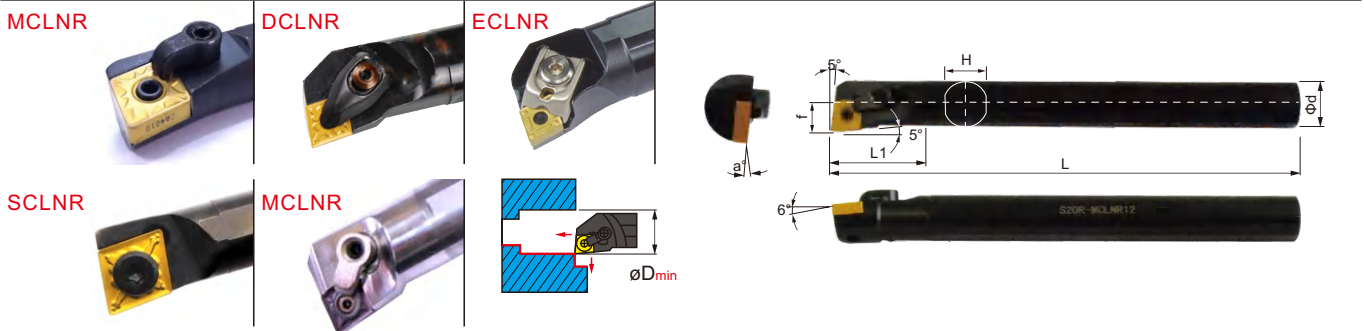
内孔车削

螺纹车削

切槽切断

端面切槽

阻尼模组



刀片 (Inserts): A01-A02 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	刀垫 Shim	中心销 Pin	压板 Clamp	压板螺丝 Screw	扳手 Wrench	Stock		Order Number
	ØD _{min}	Ød	L	L1	H	f	α°							R	L	
S16Q-MCLNR/L12	20	16	180	35	15	11	18°	CN..1204..	MC1204	CTM613	HL1810	M6X20	PL25 PL30	●	●	223100
S20R-MCLNR/L12	25	20	200	45	19	13	15°							●	●	223102
S25S-MCLNR/L12	29	25	250	45	25	15	12°							●	●	223104
S32T-MCLNR/L12	38	32	300	50	30	20.5	17°							●	●	223106
S40T-MCLNR/L12	44	40	300	55	38	24	15°							●	●	223108
S50U-MCLNR/L12	60	50	350	55	48	31	12°	●	●	223110						
S32T-MCLNR/L16	40	32	300	60	30	22.5	17°	CN..1606..	MC1604	CTM822	HL2217	M8X30	PL30 PL40	●	●	223111
S40T-MCLNR/L16	48	40	300	60	38	26	15°							●	●	223112
S50U-MCLNR/L16	60	50	350	60	48	31	12°							●	●	223114
S60V-MCLNR/L16	70	60	400	60	58	36	10°							●	●	223116
S40T-MCLNR/L19	50	40	300	70	38	26	15°							○	○	223117
S50U-MCLNR/L19	60	50	350	70	48	31	12°	●	●	223118						
S60V-MCLNR/L19	70	60	400	70	58	36	10°	○	○	223120						

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	刀垫 Shim	刀垫螺丝 Shim Screw	压板 Clamp	压板螺丝 Screw	扳手 Wrench	Stock		Order Number
	ØD _{min}	Ød	L	L1	H	f	α°							R	L	
S20R-DCLNR/L12	25	20	200	45	19	13	15°	CN..1204..	MC1204	M6X9P	MZG-1	M6X21	PL30	○	○	223130
S25S-DCLNR/L12	29	25	250	45	24	15	12°							○	○	223132
S32T-DCLNR/L12	38	32	300	50	30	20.5	17°							○	○	223134
S40T-DCLNR/L12	44	40	300	55	38	24	15°							○	○	223136

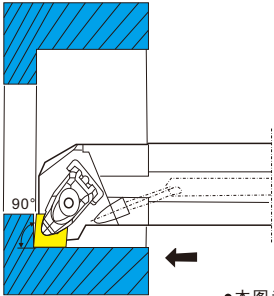
刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	刀垫 Shim	中心销 Pin	压板 Clamp	压板螺丝 Screw	扳手 Wrench	Stock		Order Number
	ØD _{min}	Ød	L	L1	H	f	α°							R	L	
S32T-ECLNR/L12	40	32	300	50	30	22.5	17°	CN..1204..	MC1204	CT618-Z	EC12	M8X25	PL30 PL40	○	○	223150
S40T-ECLNR/L12	48	40	300	55	38	26	15°							○	○	223152

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	ØD _{min}	Ød	f	L	L1	H	α°				R	L	
S16Q-SCLNR/L12	19	16	9.5	180	26	14.8	15°	CN..1204..	M4.5×14	T20	●	●	227600
S18Q-SCLNR/L12	21	18	10.5	180	28	16.8	15°				●	●	227601
S20R-SCLNR/L12	23	20	11.5	200	28	18.4	15°				●	●	227602

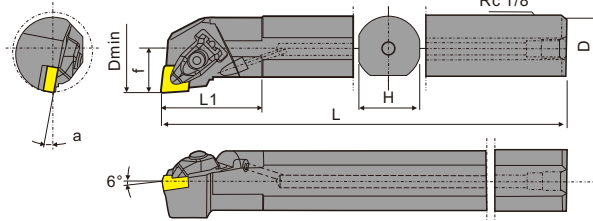
A-DCLN (内径 · 内径端面加工)

A-DCLN (inner diameter · inner diameter end face machining)

最大悬伸量 L/D ≈ 3
Maximum overhang L/D ≈ 3



●本图为右手(R)



右手(R)刀杆适用左手(L)刀片, 左手(L)刀杆适用右手(R)刀片。
The right-hand (R) blade is suitable for left-hand (L) blades, and the left-hand (L) blade is suitable for right-hand (R) blades

刀片 (Inserts): A01-A02 零配件 (Toolholder Parts): P03-P06

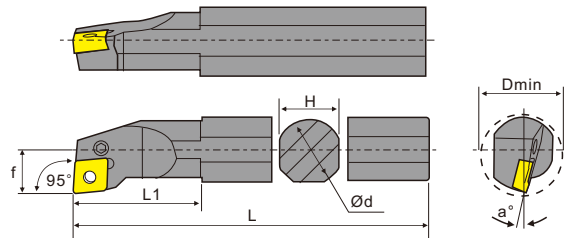
刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	刀垫 Shim	刀垫螺丝 Shim Screw	压板 Clamp	压板螺丝 Screw	扳手 Wrench	Stock		Order Number
	øD _{min}	ød	L	L1	H	f	α°							R	L	
A20R-DCLNR/L12	27	20	200	45	19	15	15°	CN..1204..	MC1204	M6X9P	MZG-1	M6X21	PL30	○	○	
A25S-DCLNR/L12	32	25	250	45	24	17	11°							○	○	
A32T-DCLNR/L12	40	32	300	50	30	22	11°							○	○	
A40T-DCLNR/L12	50	40	300	55	38	27	14°							○	○	

PCLNR/L

P类夹紧方式

Type P clamping method

Kr:95°



刀片 (Inserts): A01-A02 零配件 (Toolholder Parts): P03-P06

刀把型号 Ordering code	尺寸 Dimensions							螺钉 Nut bolt	刀垫 Shim	扳手 Wrench	杠杆 Lever	挡垫 Baffle pad	库存 stock		Order Number
	Dmin	ød	H	L	f	α°	L1						R	L	
S16M-PCLNR/L09	20	16	15	150	11	12°	28	VHX0509		PL20	LV3C		○	○	
S16R-PCLNR/L09	20	16	15	200	11	12°	28						○	○	
S20Q-PCLNR/L09	25	20	18	180	13	11°	31						○	○	
S20S-PCLNR/L09	25	20	18	250	13	11°	31						○	○	
S25Q-PCLNR/L09	32	25	23	180	17	10°	35	VHX0613.4		PL25	LV4A		○	○	
S25T-PCLNR/L09	32	25	23	300	17	10°	35						○	○	
S25Q-PCLNR/L12	32	25	23	180	17	12°	40						○	○	
S25T-PCLNR/L12	32	25	23	300	17	12°	40						○	○	
S32R-PCLNR/L12	44	32	30	200	22	10°	50	VHX0821	PC12	PL30	LV4	SP4	○	○	
S32U-PCLNR/L12	44	32	30	350	22	10°	50						○	○	
S40S-PCLNR/L12	54	40	37	250	27	10°	55						○	○	
S40V-PCLNR/L12	54	40	37	400	27	10°	55						○	○	
S50S-PCLNR/L12	63	50	47	250	35	10°	56	VHX0827	PC19	PL40	LV6	SP6	○	○	
S50W-PCLNR/L12	63	50	47	450	35	10°	56						○	○	
S50S-PCLNR/L19	63	50	47	250	35	10°	63						○	○	
S50W-PCLNR/L19	63	50	47	450	35	10°	63						○	○	
※A25R-PCLNR/L12	32	25	24	200	17	12°	40	VHX0613.4	PC12	PL25	LV4A	SP4	○	○	
※A32S-PCLNR/L12	44	32	31	250	22	10°	50	VHX0821	Pc12	PL30	LV4	SP4	●	●	

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

车削刀柄

CSV
凸轮车床刀具

DS
刀柄

正面排刀

Y轴刀柄

前车削

后车削

小径切槽
切断螺纹

小孔加工

滚花车花

焊接车刀
夹头

外圆车削

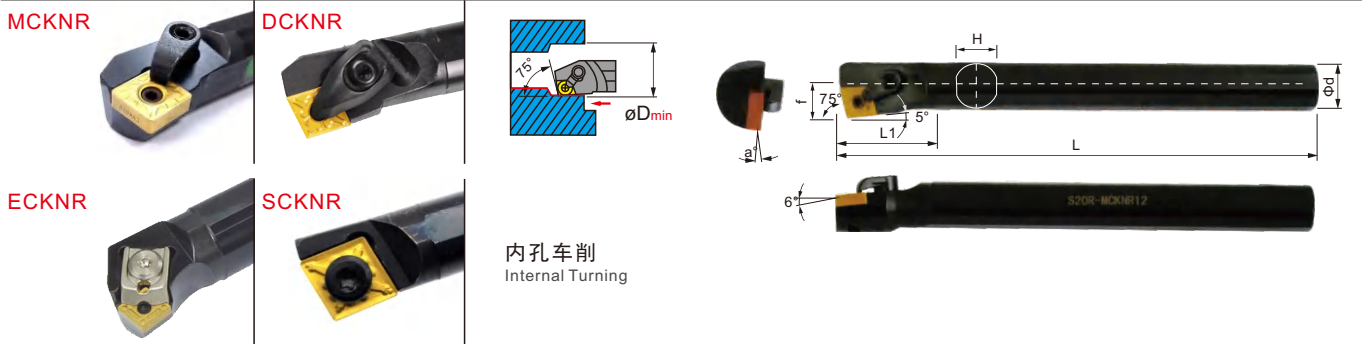
内孔车削

螺纹车削

切槽切断

端面切槽

阻尼模组



内孔车削
Internal Turning

刀片 (Inserts): A01-A02 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	刀垫 Shim	中心销 Pin	压板 Clamp	压板螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕd	L	L1	H	f	α°							R	L	
S20R-MCKNR/L12	25	20	200	45	19	13	15°	CN..1204..		CTM613	HL1810	M6X20	PL25 PL30	●	●	223200
S25S-MCKNR/L12	30	25	250	45	24	15.5	12°							●	●	223202
S32T-MCKNR/L12	38	32	300	50	30	20.5	17°		●	●	223204					
S40T-MCKNR/L12	46	40	300	55	38	24	15°		●	●	223206					
S50U-MCKNR/L12	60	50	350	70	48	35	12°		●	●	223208					

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	刀垫 Shim	刀垫螺丝 Shim Screw	压板 Clamp	压板螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕd	L	L1	H	f	α°							R	L	
S20R-DCKNR/L12	25	20	200	45	19	13	15°	CN..1204..			MZG-1	M6X21	PL30	○	○	223230
S25S-DCKNR/L12	30	25	250	45	24	15.5	12°							○	○	223232
S32T-DCKNR/L12	38	32	300	50	30	20.5	17°		○	○	223234					
S40T-DCKNR/L12	46	40	300	55	38	24	15°		○	○	223236					
									○	○						

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	刀垫 Shim	中心销 Pin	压板 Clamp	压板螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕd	L	L1	H	f	α°							R	L	
S32T-ECKNR/L12	38	32	300	50	30	20.5	17°	CN..1204..	MC1204	CT618-Z	EC12B	M8X25	PL30 PL40	○	○	223250
S40T-ECKNR/L12	46	40	300	55	38	24	15°							○	○	223252

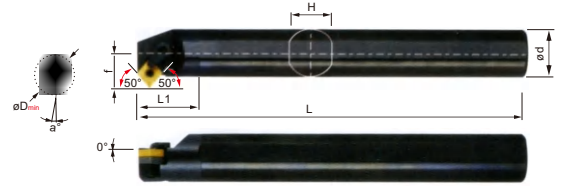
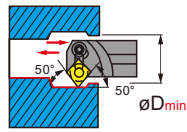
刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕd	f	L	L1	H	α°				R	L	
S16Q-SCKNR/L12	19	16	9.5	180	26	14.8	15°	CN..1204..	M4.5×14W	T20	●	●	227610
S18Q-SCKNR/L12	20	18	10.5	180	28	16.8	15°				●	●	227611
S20R-SCKNR/L12	23	20	11.5	200	28	18.4	15°				●	●	227612

内孔车削

M | D | E | P 型锁紧内孔车刀 M | D | E | P Type Internal Turning Tool

MCWNR

内孔车削
Internal Turning



刀片 (Inserts): A01-A02 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	刀垫 Shim	中心销 Pin	压板 Clamp	压板螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕd	L	L1	H	f	α°							R	L	
S20R-MCWNR/L12	30	20	200	45	19	17	15°	CN..1204..	CTM613	HL1810	M6X20	PL25 PL30	●	●	223300	
S25S-MCWNR/L12	35	25	250	45	24	19.5	12°						●	●	223302	
S32T-MCWNR/L12	42	32	300	50	30	23.5	17°		MC1204	CTM617	HL1813	M6X25	PL25 PL30	●	●	223304
S40T-MCWNR/L12	50	40	300	55	38	27	15°							●	●	223306

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	刀垫 Shim	刀垫螺丝 Shim Screw	压板 Clamp	压板螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕd	L	L1	H	f	α°							R	L	
S20R-DCWNR/L12	30	20	200	45	19	17	15°	CN..1204..	MC1204	M6X9P	MZG-1	M6X21	PL30	○	○	223330
S25S-DCWNR/L12	35	25	250	45	24	19.5	12°							○	○	223332
S32T-DCWNR/L12	42	32	300	50	30	23.5	17°		MC1204	M6X9P	MZG-1	M6X21	PL30	○	○	223334
S40T-DCWNR/L12	50	40	300	55	38	27	15°							○	○	223336

车削
刀具

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

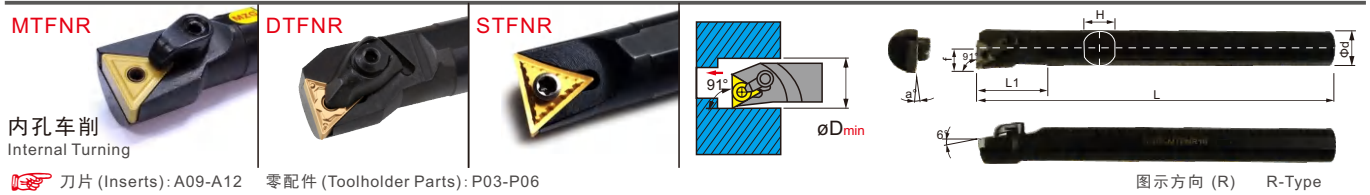
螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

车削刀柄



内孔车削
Internal Turning

刀片 (Inserts): A09-A12 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

CSV 凸轮车削刀具

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	刀垫 Shim	中心销 Pin	压板 Clamp	压板螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕd	L	L1	H	f	α°							R	L	
S16Q-MTFNR/L16	20	16	180	35	15	11	18°	TN..1604..	MT1603	CTM511	HL1810	M6X20	PL25 PL30	●	●	223500
S18Q-MTFNR/L16	22	18	180	35	17	12	15°							●	●	223501
S20R-MTFNR/L16	25	20	200	40	19	13	15°							●	●	223502
S25S-MTFNR/L16	30	25	250	45	24	15.5	12°							●	●	223504
S32T-MTFNR/L16	38	32	300	54	30	20.5	17°							●	●	223506
S40T-MTFNR/L16	47	40	300	60	38	25	15°	●	●	223508						

DS 刀柄

正面排刀

Y轴刀柄

前车削

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	刀垫 Shim	刀垫螺丝 Shim Screw	压板 Clamp	压板螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕd	L	L1	H	f	α°							R	L	
S16Q-DTFNR/L16	20	16	180	35	15	11	18°	TN..1604..	MT1603	M5X9P	MZG-3	M6X21	PL30	○	○	223520
S18Q-DTFNR/L16	22	18	180	35	17	12	15°							○	○	223521
S20R-DTFNR/L16	25	20	200	40	19	13	15°							○	○	223522
S25S-DTFNR/L16	30	25	250	45	24	15.5	12°							○	○	223524
S32T-DTFNR/L16	38	32	300	54	30	20.5	17°							○	○	223526
S40T-DTFNR/L16	47	40	300	60	38	25	15°	○	○	223528						

后车削

小径切槽切断螺纹

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕd	f	L	L1	H	α°				R	L	
S16Q-STFNR/L16	18	16	9	180	26	14.8	15°	TN..1604..	M3.5×13	T15	●	●	227710
S18Q-STFNR/L16	21	18	10	180	28	16.8	15°				●	●	227711
S20R-STFNR/L16	22	20	11	200	28	18.4	15°				●	●	227712

小孔加工

滚花车花

焊接车刀夹头

外圆车削

内孔车削

螺纹车削

切槽切断

端面切槽

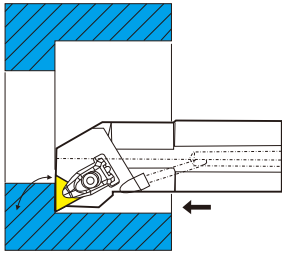
阻尼模组

内孔车削

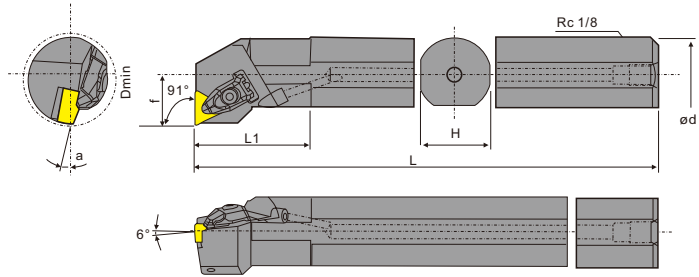
M D E P 型锁紧内孔车刀 M D E P Type Internal Turning Tool

A-DTFN (内径加工)

最大悬伸量L/D≈3
Maximum overhang L/D≈3



●本图为右手(R)
●This image is for the right hand (R)



右手(R)刀杆适用左手(L)刀片, 左手(L)刀杆适用右手(R)刀片。
The right-hand (R) blade is suitable for left-hand (L) blades, and the left-hand (L) blade is suitable for right-hand (R) blades

🔧 刀片 (Inserts): A09-A12 零配件 (Toolholder Parts): P03-P06

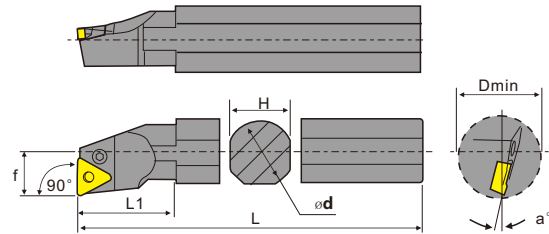
刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	刀垫 Shim	刀垫螺丝 Shim Screw	压板 Clamp	压板螺丝 Screw	扳手 Wrench	Stock		Order Number
	øD _{min}	ød	L	L1	H	f	α°							R	L	
A16Q-DTFNR/L16	22	16	180	35	15	11	18°	TN..1604..	MT1603	M5X9P	MZG-3	M6X21	PL30	○	○	
A18Q-DTFNR/L16	25	18	180	35	17	12	15°							○	○	
A20R-DTFNR/L16	28	20	200	40	19	13	15°							○	○	
A25S-DTFNR/L16	32	25	250	45	24	15.5	12°							○	○	
A32T-DTFNR/L16	40	32	300	54	30	20.5	12°							○	○	
A40T-DTFNR/L16	50	40	300	60	38	25	12°							○	○	

PTFNR/L

P类夹紧方式

Type P clamping method

Kr:90°



🔧 刀片 (Inserts): A09-A12 零配件 (Toolholder Parts): P03-P06

刀把型号 Ordering code	尺寸 Dimensions							螺钉 Nut bolt	刀垫 Shim	扳手 Wrench	杠杆 Lever	挡垫 Baffle pad	库存 stock		Order Number	
	Dmin	ød	H	L	f	α°	L1						R	L		
S16M-PTFNR/L11	20	16	15	150	11	14°	28	VHX0509		PL20	LV2		○	○		
S16R-PTFNR/L11	20	16	15	200	11	14°	28						○	○		
S20Q-PTFNR/L11	25	20	18	180	13	12°	31						○	○		
S20S-PTFNR/L11	25	20	18	250	13	12°	31						○	○		
S25Q-PTFNR/L11	32	25	23	180	17	10°	35						○	○		
S25T-PTFNR/L11	32	25	23	300	17	10°	35						○	○		
S25Q-PTFNR/L16	32	25	23	180	17	12°	42	VHX0512		PL20	LV3B		○	○		
S25T-PTFNR/L16	32	25	23	300	17	12°	42						○	○		
S32R-PTFNR/L16	44	32	30	200	22	10°	50						○	○		
S32U-PTFNR/L16	44	32	30	350	22	10°	50						○	○		
S40S-PTFNR/L16	54	40	37	250	27	10°	55						○	○		
S40V-PTFNR/L16	54	40	37	400	27	10°	55						○	○		
※A25R-PCLNR/L16	32	25	24	200	17	12°	40	VHX0617	PT16A	PL25	LV3	SP3		○	○	
※A32S-PCLNR/L16	44	32	31	250	22	10°	50							○	○	

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

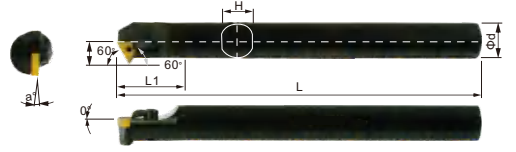
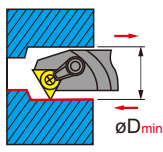
阻尼
模组

车削刀柄

MTWNR



STWNR



图示方向 (R) R-Type

内孔车削
Internal Turning

刀片 (Inserts): A09-A12 零配件 (Toolholder Parts): P03-P06

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	刀垫 Shim	中心销 Pin	压板 Clamp	压板螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕd	L	L1	H	f	α°							R	L	
S20R-MTWNR/L16	27	20	200	40	19	14	15°	TN..1604..	MT1603	CTM511	HL1810	M6x20	PL25 PL30	●	●	223600
S25S-MTWNR/L16	32	25	250	45	24	16.5	12°							●	●	223602
S32T-MTWNR/L16	39	32	300	54	30	20	17°							●	●	223604

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	刀垫 Shim	刀垫螺丝 Shim Screw	压板 Clamp	压板螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕd	L	L1	H	f	α°							R	L	
S20R-DTWNR/L16	27	20	200	40	19	14	15°	TN..1604..	MT1603	M5X9P	MZG-3	M6X21	PL30	○	○	223610
S25S-DTWNR/L16	32	25	250	45	24	16.5	12°							○	○	223612
S32T-DTWNR/L16	39	32	300	54	30	20	17°							○	○	223616

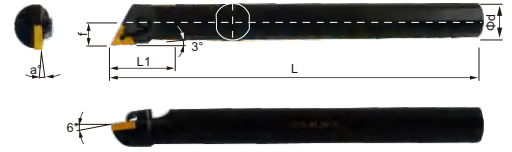
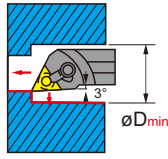
刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕd	f	L	L1	H	α°				R	L	
S16Q-STWNR/L16	21	16	11.5	180	26	14.8	15°	TN..1604..	M3.5×13T	T15	●	●	227750
S18Q-STWNR/L16	23	18	12.5	180	28	16.8	15°				●	●	227751
S20R-STWNR/L16	25	20	13.5	200	28	18.4	15°				●	●	227752

内孔车削

M | D | E | P 型锁紧内孔车刀 M | D | E | P Type Internal Turning Tool

MTJNR

内孔车削
Internal Turning



刀片 (Inserts): A09-A12 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	刀垫 Shim	中心销 Pin	压板 Clamp	压板螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕd	L	L1	H	f	α°							R	L	
S20R-MTJNR/L16	25	20	200	40	19	12.5	15°	TN..1604..	MT1603	CTM511	HL1810	M6X20	PL25 PL30	●	●	223400
S25S-MTJNR/L16	32	25	250	45	24	16	12°							●	●	223402
S32T-MTJNR/L16	41	32	300	54	30	22.5	17°							●	●	223404
S40U-MTJNR/L16	50	40	350	55	38	27	15°							●	●	223406

MTLNR

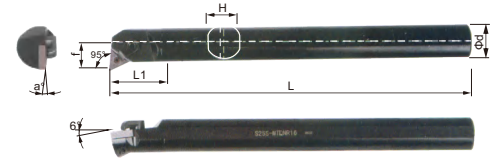
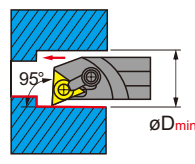
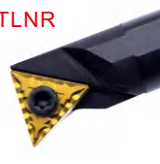
内孔车削
Internal Turning



ETLNR



STLNR



刀片 (Inserts): A09-A12 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	刀垫 Shim	中心销 Pin	压板 Clamp	压板螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕd	L	L1	H	f	α°							R	L	
S18Q-MTLNR/L16	22	18	180	36	17	12.5	15°	TN..1604..	MT1603	CTM511	HL1810	M6X20	PL20 PL30	●	●	223734
S20R-MTLNR/L16	25	20	200	37	19	13.5	15°							●	●	223736
S25S-MTLNR/L16	30	25	250	45	23	17	12°					M6X25	PL25 PL30	●	○	223738
S32T-MTLNR/L16	40	32	300	50	30	22.5	17°							●	○	223740

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	刀垫 Shim	中心销 Pin	压板 Clamp	压板螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕd	L	L1	H	f	α°							R	L	
S20R-ETLNR/L16	25	20	200	40	13	13.5	15°	TN..1604..	MT1603	CT511-Z	ET16	M8X25	PL25 PL40	●	●	223750
S25S-ETLNR/L16	31	25	250	45	24	17	12°							●	●	223752
S32T-ETLNR/L16	41	32	300	54	30	22.5	12°			CT515-Z				●	●	223754
S40T-ETLNR/L16	50	40	300	60	38	26.5	10°							●	●	223756

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕd	f	L	L1	H	α°				R	L	
S16Q-STLNR/L16	21	16	11.5	180	26	14.8	15°	TN..1604..	M3.5×13T	T15	●	●	227730
S18Q-STLNR/L16	23	18	12.5	180	28	16.8	15°				●	●	227731
S20R-STLNR/L16	25	20	13.5	200	28	18.4	15°				●	●	227732

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

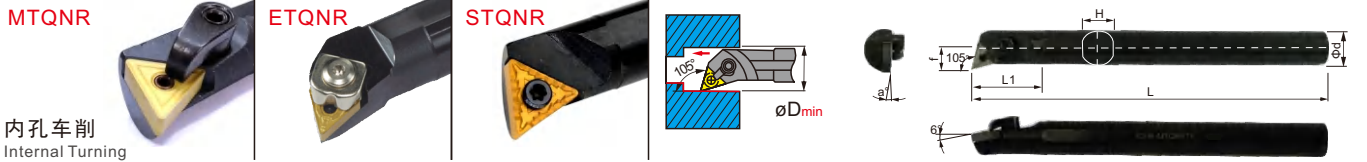
螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

车削
刀具



内孔车削
Internal Turning

刀片 (Inserts): A09-A12 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	刀垫 Shim	中心销 Pin	压板 Clamp	压板螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕd	L	L1	H	f	α°							R	L	
S20R-MTQNR/L16	25	20	200	40	13	13.5	15°	TN..1604..	MT1603	CTM511	HL1810	M6x20	PL25 PL30	●	●	223800
S25S-MTQNR/L16	31	25	250	45	24	17	12°							●	●	223802
S32T-MTQNR/L16	41	32	300	54	30	22.5	17°		CTM513	HL1813	M6x25	PL25 PL30	●	●	223804	
S40T-MTQNR/L16	50	40	300	60	38	26.5	15°						●	●	223806	

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	刀垫 Shim	中心销 Pin	压板 Clamp	压板螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕd	L	L1	H	f	α°							R	L	
S20R-ETQNR/L16	25	20	200	40	13	13.5	15°	TN..1604..	MT1603	CT511-Z	ET16	M8X25	PL25 PL40	●	●	223810
S25S-ETQNR/L16	31	25	250	45	24	17	12°							●	●	223812
S32T-ETQNR/L16	41	32	300	54	30	22.5	12°		CT515-Z				●	●	223814	
S40T-ETQNR/L16	50	40	300	60	38	26.5	10°						●	●	223816	

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕd	f	L	L1	H	α°				R	L	
S16Q-STQNR/L16	21	16	11.5	180	26	14.8	15°	TN..1604..	M3.5×13	T15	●	●	227720
S18Q-STQNR/L16	23	18	12.5	180	28	16.8	15°				●	●	227721
S20R-STQNR/L16	25	20	13.5	200	28	18.4	15°				●	●	227722

CSV
凸轮
车削
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

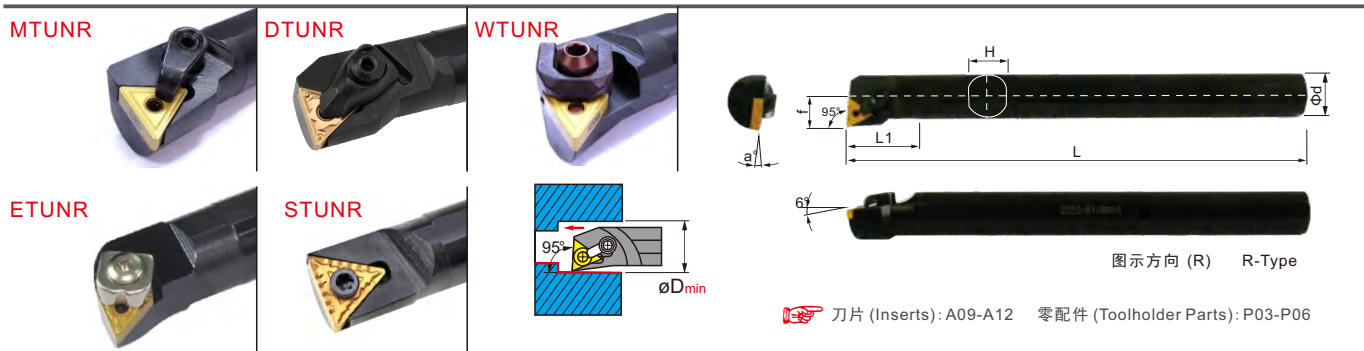
切槽
切断

端面
切槽

阻尼
模组

内孔车削

M | D | E | P 型锁紧内孔车刀 M | D | E | P Type Internal Turning Tool



碳化钨钢防震刀杆 (防震效果>8倍柄径)

Carbide Steel Shock-Proof Toolholder(Shock-Proof Effect > 8 Times Toolholder Diameter)

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	刀垫 Shim	中心销 Pin	压板 Clamp	压板螺丝 Screw	扳手 Wrench	Stock		Order Number
	øD _{min}	ød	L	L1	H	f	α°							R	L	
S16Q-MTUNR/L16	22	16	180	35	15	11	18°	TN..1604..	MT1603	CTM511	HL1810	M6X20	PL25 PL30	●	●	223700
S20R-MTUNR/L16	25	20	200	40	19	13.5	15°							●	●	223702
S25S-MTUNR/L16	31	25	250	45	24	17	12°							●	●	223704
S32T-MTUNR/L16	41	32	300	54	30	22.5	17°							●	●	223706
S40T-MTUNR/L16	50	40	300	60	38	26.5	15°							●	●	223708
S50U-MTUNR/L16	60	50	350	65	48	31	12°							●	●	223710
S60V-MTUNR/L16	70	60	400	70	58	36	10°	●	●	223712						
S40T-MTUNR/L22	50	40	300	60	38	26.5	15°	TN..2204..	MT2204	CTM617	HL1917	M8X30	PL25 PL40	●	●	223714
S50U-MTUNR/L22	60	50	350	65	48	31	12°							●	●	223716
S60V-MTUNR/L22	70	60	400	70	58	36	10°							●	●	223718
C20R-MTUNR/L16-25	25	20	200	-	13	13	15°	TN..1604..	MT1603	CTM511	HL1810	M6X20	PL25 PL30	●	●	223720
C20S-MTUNR/L16-25	25	20	250	-	13	13	15°							●	●	223722
C25R-MTUNR/L16-32	32	25	200	-	24	17	12°							●	●	223724
C25S-MTUNR/L16-32	32	25	250	-	24	17	12°							●	●	223726
C32S-MTUNR/L16-40	40	32	250	-	30	20	17°							○	○	223728
C40S-MTUNR/L16-50	50	40	250	-	38	26	15°							○	○	223730
C50S-MTUNR/L16-60	60	50	250	-	48	31	12°	○	○	223732						

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	刀垫 Shim	刀垫螺丝 Shim Screw	压板 Clamp	压板螺丝 Screw	扳手 Wrench	Stock		Order Number
	øD _{min}	ød	L	L1	H	f	α°							R	L	
S16Q-DTUNR/L16	20	16	180	35	15	11	18°	TN..1604..	MT1603	M5X9P	MZG-3	M6X21	PL30	○	○	223750
S18Q-DTUNR/L16	22	18	180	35	17	12	15°							○	○	223751
S20R-DTUNR/L16	25	20	200	40	19	13	15°							○	○	223752
S25S-DTUNR/L16	30	25	250	45	24	15.5	12°							○	○	223754
S32T-DTUNR/L16	38	32	300	54	30	20.5	17°							○	○	223756
S40T-DTUNR/L16	47	40	300	60	38	25	15°							○	○	223758

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	刀垫 Shim	中心销 Pin	压板 Clamp	压板螺丝 Screw	扳手 Wrench	Stock		Order Number
	øD _{min}	ød	L	L1	H	f	α°							R	L	
S25S-WTUNR/L16	32	25	250	36	23	17	12°	TN..1604..	MT1603	CTM515-T	WT-16	M5 X 23	PL25 PL40	●	○	223408
S32T-WTUNR/L16	40	32	300	46	30	22.5	17°							●	○	223410
S40U-WTUNR/L16	45	40	350	56	38	26.5	15°							●	○	223412
S50W-WTUNR/L16	55	50	450	66	48	29.5	15°							●	○	223414

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	刀垫 Shim	中心销 Pin	压板 Clamp	压板螺丝 Screw	扳手 Wrench	Stock		Order Number
	øD _{min}	ød	L	L1	H	f	α°							R	L	
S25S-ETUNR/L16	32	25	250	45	24	17	12°	TN..1604..	MT1603	CT511-Z	ET16	M8X25	PL25 PL40	●	●	223760
S32T-ETUNR/L16	40	32	300	50	30	22	10°							●	●	223762
S40T-ETUNR/L16	50	40	300	55	38	27	10°							●	●	223764
S50U-ETUNR/L16	60	50	350	60	48	35	8°							●	●	223766

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	øD _{min}	ød	f	L	L1	H	α°				R	L	
S16Q-STUNR/L16	19	16	9	180	26	14.8	15°	TN..1604..	M3.5x13	T15	●	●	227700
S18Q-STUNR/L16	20	18	10	180	28	16.8	15°				●	●	227701
S20R-STUNR/L16	22	20	11	200	28	18.4	15°				●	●	227702

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
滚花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

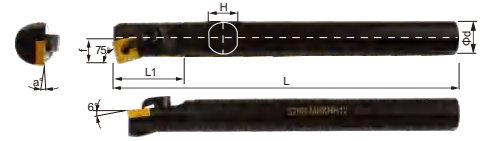
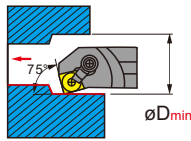
端面
切槽

阻尼
模组

MSKNR



DSKNR



内孔车削
Internal Turning

刀片 (Inserts): A07-A08 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	刀垫 Shim	中心销 Pin	压板 Clamp	压板螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕd	L	L1	H	f	α°							R	L	
S20R-MSKNR/L12	26	20	200	40	19	14	15°	SN..1204..	MS1204	CTM613	HL1810	M6X20	PL25 PL30	●	●	223900
S25S-MSKNR/L12	30	25	250	45	24	16.1	12°							●	●	223902
S32T-MSKNR/L12	40	32	300	50	30	22	17°							●	●	223904
S40T-MSKNR/L12	48	40	300	55	38	27	15°							●	●	223906
S50U-MSKNR/L12	60	50	350	65	48	30	12°							●	●	223908

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	刀垫 Shim	刀垫螺丝 Shim Screw	压板 Clamp	压板螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕd	L	L1	H	f	α°							R	L	
S20R-DSKNR/L12	26	20	200	40	19	14	15°	SN..1204..	MS1204	M5X9P	MZG-1	M6X21	PL30	○	○	223920
S25S-DSKNR/L12	30	25	250	45	24	16.1	11°							○	○	223922
S32T-DSKNR/L12	40	32	300	50	30	22	11°							○	○	223924
S40T-DSKNR/L12	48	40	300	55	38	27	11°							○	○	223926
S50U-DSKNR/L12	60	50	350	65	48	30	11°							○	○	223928

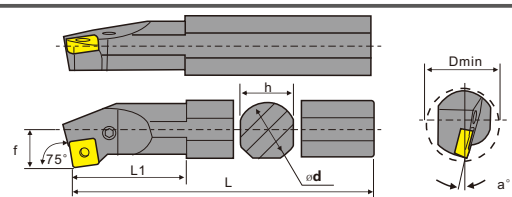
PSKNR/L

P类夹紧方式

Type P clamping method



Kr:75°

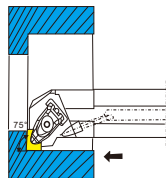


刀片 (Inserts): A07-A08 零配件 (Toolholder Parts): P03-P06

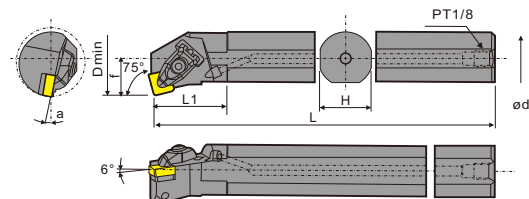
刀把型号 Ordering code	尺寸 Dimensions							螺钉 Nut bolt	刀垫 Shim	扳手 Wrench	杠杆 Lever	挡垫 Baffle pad	库存 stock		Order Number
	Dmin	ϕd	H	L	f	α°	L1						R	L	
S25Q-PSKNR/L12	32	25	23	180	17	12°	42	VHX0613.4		PL25	LV4A		○	○	
S25T-PSKNR/L12	32	25	23	300	17	12°	42						●	●	
S32R-PSKNR/L12	44	32	30	200	22	10°	45	VHX0821	PS12B	PL30	LV4	SP4	○	○	
S32U-PSKNR/L12	44	32	30	350	22	10°	45						●	●	
S40S-PSKNR/L12	54	40	37	250	27	10°	50						○	○	
S40V-PSKNR/L12	54	40	37	400	27	10°	50						●	●	
※A25R-PSKNR/L12	32	25	24	200	17	12°	42						VHX0613.4		PL25
※A32S-PSKNR/L12	44	32	31	250	22	12°	50	VHX0821	PS12B	PL30	LV4	SP4	●	●	

A-DSKN

(内径加工)



●本图为右手(R)



刀片 (Inserts): A07-A08 零配件 (Toolholder Parts): P03-P06

右手(R)刀杆适用左手(L)刀片, 左手(L)刀杆适用右手(R)刀片。

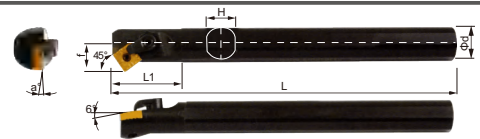
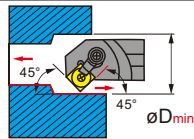
刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	刀垫 Shim	刀垫螺丝 Shim Screw	压板 Clamp	压板螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕd	L	L1	H	f	α°							R	L	
S20R-DSKNR/L12	28	20	200	40	19	14	15°	SN..1204..	MS1204	M5X9P	MZG-1	M6X21	PL30	○	○	
S25S-DSKNR/L12	32	25	250	45	24	17	11°							○	○	
S32T-DSKNR/L12	40	32	300	50	30	22	11°							○	○	
S40T-DSKNR/L12	50	40	300	55	38	27	11°							○	○	
S50U-DSKNR/L12	60	50	350	65	48	30	11°							○	○	

内孔车削

M | D | E | P 型锁紧内孔车刀 M | D | E | P Type Internal Turning Tool

MSSNR

内孔车削
Internal Turning



图示方向 (R) R-Type

刀片 (Inserts): A07-A08 零配件 (Toolholder Parts): P03-P06

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert 	刀垫 Shim 	中心销 Pin 	压板 Clamp 	压板螺丝 Screw 	扳手 Wrench 	Stock		Order Number
	ϕD_{min}	ϕd	L	L1	H	f	α°							R	L	
S20R-MSSNR/L12	27	20	200	35	19	15	15°	SN..1204..						●	●	223950
S25S-MSSNR/L12	30	25	250	40	24	17	12°							●	●	223952
S32T-MSSNR/L12	38	32	300	45	30	21	17°							●	●	223954
S40T-MSSNR/L12	46	40	300	50	38	27	15°							●	●	223956
S50U-MSSNR/L12	58	50	350	60	48	30	12°							●	●	223958

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

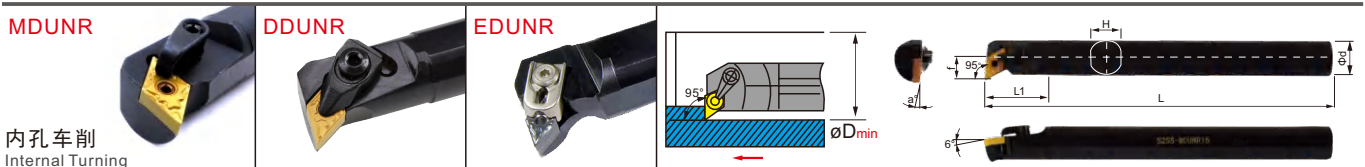
螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

车削
刀柄



内孔车削
Internal Turning

刀片 (Inserts): A03-A04 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

CSV
凸轮
车削
刀具

DS
刀柄

正面
排刀

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	刀垫 Shim	中心销 Pin	压板 Clamp	压板螺丝 Screw	扳手 Wrench	Stock		Order Number
	øD _{min}	ød	L	L1	H	f	α°							R	L	
S20R-MDUNR/L11	26	20	200	40	19	14.5	15°	DN..1104..		CTM511	HL1810	ML0625	PL20/30	●	●	224101
S25S-MDUNR/L15	30	25	250	45	24	16	12°	DN..1504..	MD1506	CTM619	HL2114	M6X25	PL30	●	●	224100
S32T-MDUNR/L15	38	32	300	50	30	21	17°	DN..1506..	MD1506					●	●	224102
S40T-MDUNR/L15	48	40	300	60	38	26	15°	DN..1506..	MD1504					●	●	224104

Y轴
刀柄

前
车削

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	刀垫 Shim	刀垫螺丝 Shim Screw	压板 Clamp	压板螺丝 Screw	扳手 Wrench	Stock		Order Number
	øD _{min}	ød	L	L1	H	f	α°							R	L	
S20R-DDUNR/L11	26	20	200	40	19	14.5	15°	DN..1104..			MZG-3		PL30	●	●	224111
S25S-DDUNR/L15	30	25	250	45	24	16	12°	DN..1504..	MD1506			M6X21	PL30	●	●	224110
S32T-DDUNR/L15	38	32	300	50	30	21	17°	DN..1504..	MD1506	CTM619	MZG-2			●	●	224112
S40T-DDUNR/L15	48	40	300	60	38	26	15°	DN..1506..	MD1504					●	●	224114

后
车削

小径
切槽
切断
螺纹

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	刀垫 Shim	中心销 Pin	压板 Clamp	压板螺丝 Screw	扳手 Wrench	Stock		Order Number
	øD _{min}	ød	L	L1	H	f	α°							R	L	
S32T-EDUNR/L15	40	32	300	50	30	22	10°	DN..1504..	MD1506	CT618-Z	ED15	M8X25	PL30 PL40	○	○	224130
S40T-EDUNR/L15	50	40	300	60	38	27	10°	DN..1506..	MD1504					○	○	224132

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

内孔车削

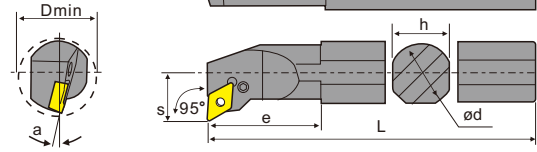
M | D | E | P 型锁紧内孔车刀 M | D | E | P Type Internal Turning Tool

PDUNR/L

P类夹紧方式
Type P clamping method



Kr:93°

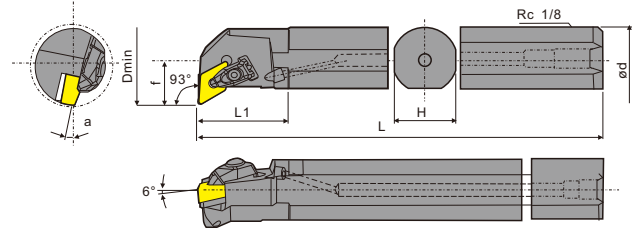
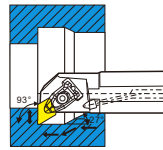


刀片 (Inserts): A03-A04 零配件 (Toolholder Parts): P03-P06

刀把型号 Ordering code	尺寸 Dimensions							螺钉 Nut bolt	刀垫 Shim	扳手 Wrench	杠杆 Lever	挡垫 Baffle pad	Stock		Order Number
	Dmin	ød	H	L	f	α°	L1						R	L	
S20Q-PDUNR/L11	25	20	18	180	13	16°	30	VHX0512		PL20	LV3D		○	○	
S20S-PDUNR/L11	25	20	18	250	13	16°	30						○	○	
S25Q-PDUNR/L11	32	25	23	180	17	13°	35						○	○	
S25T-PDUNR/L11	32	25	23	300	17	13°	35						○	○	
S32R-PDUNR/L11	40	32	30	200	22	16°	40	VHX0617	PD11AP	PL25	LV3	SP3	○	○	
S32U-PDUNR/L11	40	32	30	350	22	16°	40						○	○	
S32R-PDUNR/L15	40	32	30	200	22	16°	50	VHX0821	PD15AP	PL30	LV4B	SP4	○	○	
S32U-PDUNR/L15	40	32	30	350	22	16°	50						○	○	
S32R-PDUNR/L15-3	40	32	30	200	22	16°	50	VHX0821	PD1506	PL30	LV4	SP4	○	○	
S32U-PDUNR/L15-3	40	32	30	350	22	16°	50						○	○	
S40S-PDUNR/L15	50	40	37	250	27	11°	50	VHX0821	PD15AP	PL30	LV4B	SP4	○	○	
S40V-PDUNR/L15	50	40	37	400	27	11°	50						○	○	
S40S-PDUNR/L15-3	50	40	37	250	27	11°	50	VHX0821	PD1506	PL30	LV4	SP4	○	○	
S40V-PDUNR/L15-3	50	40	37	400	27	11°	50						○	○	
※A32S-PDUNR/L15	40	32	31	250	22	16°	50	VHX0821	PD15AP	PL30	LV4B	SP4	●	●	
※A32S-PDUNR/L15-3	40	32	31	250	22	16°	50	VHX0821	PD1506	PL30	LV4	SP4	●	○	

A-DDUN (内径·仿形加工)

A-ddun (inner diameter, profiling)



•本图为右手(R)
This image is for the right hand (R)

右手(R)刀杆适用左手(L)刀片,左手(L)刀杆适用右手(R)刀片。
The right-hand (R) blade is suitable for left-hand (L) blades, and the left-hand (L) blade is suitable for right-hand (R) blades

刀片 (Inserts): A03-A04 零配件 (Toolholder Parts): P03-P06

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	刀垫 Shim	刀垫螺丝 Shim Screw	压板 Clamp	压板螺丝 Screw	扳手 Wrench	Stock		Order Number	
	øD _{min}	ød	L	L1	H	f	α°							R	L		
A20R-DDUNR/L11	28	20	200	40	19	14.5	12°	DN..1104..			MZG-3		●	○			
A25S-DDUNR/L15	32	25	250	45	24	16	10°						○	○			
A32T-DDUNR/L15	40	32	300	50	30	22	8°						○	○			
A40T-DDUNR/L15	50	40	300	60	38	27	8°	DN..1504..	MD1506	CTM619	MZG-2	M6X21	PL30	●	○		
								DN..1506..	MD1504						●	○	

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

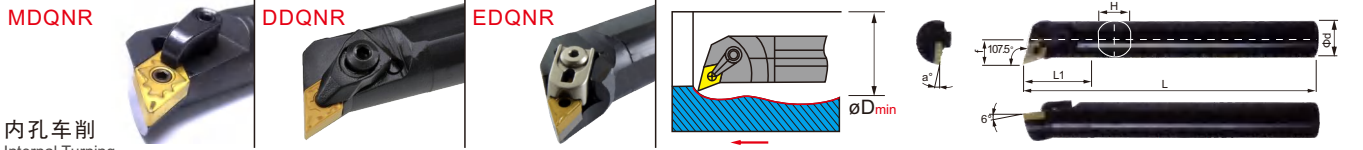
螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

车削刀柄



内孔车削
Internal Turning

刀片 (Inserts): A03-A04 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	刀垫 Shim	中心销 Pin	压板 Clamp	压板螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕd	L	L1	H	f	α°							R	L	
S20R-MDQNR/L11	25	20	200	40	19	14.5	15°	DN..1104..		CTM511	HL1810	M6X25	PL20/30	●	●	224001
S25S-MDQNR/L15	31	25	250	45	24	17	12°	DN..1504..						●	●	224000
S32T-MDQNR/L15	38	32	300	50	30	20.5	17°	DN..1504..	MD1506	CTM619	HL2114	M6X25	PL30	●	●	224002
S40T-MDQNR/L15	50	40	300	60	38	27	15°	DN..1506..	MD1504					●	●	224004

DS 刀柄

正面 排刀

Y轴 刀柄

前 车削

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	刀垫 Shim	刀垫螺丝 Shim Screw	压板 Clamp	压板螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕd	L	L1	H	f	α°							R	L	
S20R-DDQNR/L11	25	20	200	40	19	14.5	15°	DN..1104..			MZG-3			○	○	224011
S25S-DDQNR/L15	31	25	250	45	24	17	12°	DN..1504..				M6X21	PL30	○	○	224010
S32T-DDQNR/L15	38	32	300	50	30	20.5	17°	DN..1504..	MD1506	CTM619	MZG-2			○	○	224012
S40T-DDQNR/L15	50	40	300	60	38	27	15°	DN..1506..	MD1504					○	○	224014

后 车削

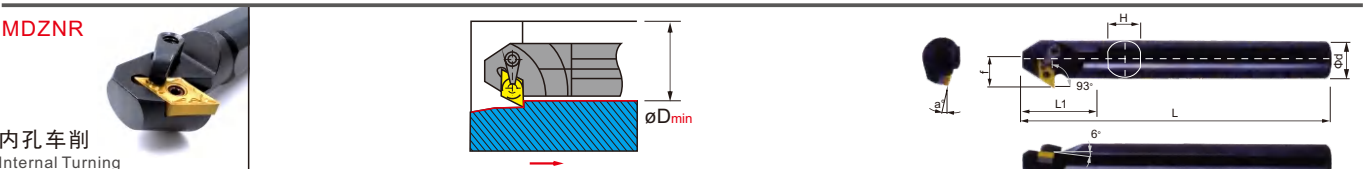
小径 切槽 切断 螺纹

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	刀垫 Shim	中心销 Pin	压板 Clamp	压板螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕd	L	L1	H	f	α°							R	L	
S32T-EDQNR/L15	40	32	300	50	30	22	10°	DN..1504..	MD1506	CT618-Z	ED15	M8X25	PL30	○	○	224030
S40T-EDQNR/L15	50	40	300	60	38	27	10°	DN..1506..	MD1504				PL40	○	○	224032

小孔 加工

滚花 车花

焊接 车刀 夹头



内孔车削
Internal Turning

刀片 (Inserts): A03-A04 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	刀垫 Shim	中心销 Pin	压板 Clamp	压板螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕd	L	L1	H	f	α°							R	L	
S25S-MDZNR/L15	35	25	250	46	24	20.5	15°			CTM613				●	●	224301
S32T-MDZNR/L15	40	32	300	50	30	23	17°	DN..1504..	MD1506	CTM619	HL2114	M6X25	PL30	●	●	224300
S40T-MDZNR/L15	50	40	300	55	38	27	15°	DN..1506..	MD1504					●	●	224302

外圆 车削

内孔 车削

螺纹 车削

切槽 切断

端面 切槽

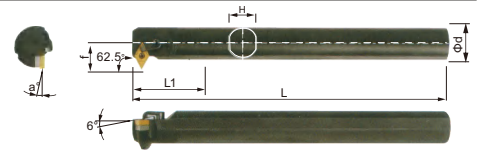
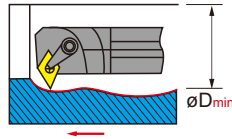
阻尼 模组

内孔车削

M | D | E | P 型锁紧内孔车刀 M | D | E | P Type Internal Turning Tool

MDWNR

内孔车削
Internal Turning



刀片 (Inserts): A03-A04 零配件 (Toolholder Parts): P03-P06

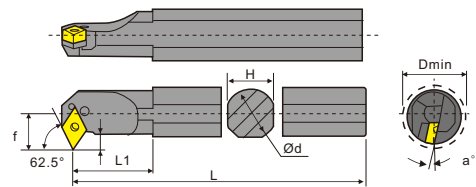
图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	刀垫 Shim	中心销 Pin	压板 Clamp	压板螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕd	L	L1	H	f	α°							R	L	
S20R-MDWNR/L11	28	20	200	36	19	16	15°	DN..1104..		CTM511	HL1810	M6X25	PL20/30	●	●	224201
S25S-MDWNR/L15	37	25	250	45	24	22.5	12°	DN..1504..		CTM613				●	●	224200
S32T-MDWNR/L15	45	32	300	50	30	27	17°	DN..1506..	MD1506	CTM619	HL2114	M6X25	PL30	●	●	224202
S40T-MDWNR/L15	53	40	300	55	38	31	15°	DN..1506..	MD1504					●	●	224204

PDSNR/L

P类夹紧方式

Type P clamping method



刀片 (Inserts): A03-A04 零配件 (Toolholder Parts): P03-P06

刀把型号 Ordering code	库存 stock		尺寸 Dimensions								螺钉 Nut bolt	刀垫 Shim	扳手 Wrench	杠杆 Lever	挡垫 Baffle pad
	R	L	Dmin	ϕd	H	L	f	α°	L1	X					
S32R-PDSNR/L15	△	△	40	32	30	200	22	11°	45	8.5	VHX0821	PD15AP	PL30	LV4B	SP4
S32U-PDSNR/L15	▲	▲	40	32	30	350	22	11°	45	8.5	VHX0821	PD15AP	PL30	LV4	SP4
S32R-PDSNR/L15-3	△	△	40	32	30	200	22	11°	45	8.5	VHX0821	PD15AP	PL30	LV4B	SP4
S32U-PDSNR/L15-3	▲	▲	40	32	30	350	22	11°	45	8.5	VHX0821	PD15AP	PL30	LV4	SP4
S40S-PDSNR/L15	△	△	50	40	37	250	27	11°	43	8.5	VHX0821	PD15AP	PL30	LV4B	SP4
S40V-PDSNR/L15	▲	▲	50	40	37	400	27	11°	43	8.5	VHX0821	PD15AP	PL30	LV4	SP4
S40S-PDSNR/L15-3	△	△	50	40	37	250	27	11°	43	8.5	VHX0821	PD15AP	PL30	LV4	SP4
S40V-PDSNR/L15-3	▲	▲	50	40	37	400	27	11°	43	8.5	VHX0821	PD15AP	PL30	LV4	SP4
※A32S-PDUNR/L15	△	△	40	32	31	250	22	11°	45	8.5	VHX0821	PD15AP	PL30	LV4B	SP4
※A32S-PDUNR/L15-3	△	△	40	32	31	250	22	11°	45	8.5	VHX0821	PD15AP	PL30	LV4	SP4

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

车削刀柄

CSV 凸轮车床刀具

DS 刀柄

正面排刀

Y轴刀柄

前车削

后车削

小径切槽切断螺纹

小孔加工

滚花车花

焊接车刀夹头

外圆车削

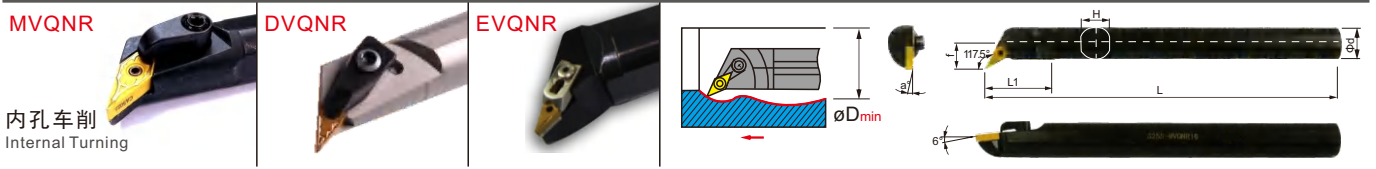
内孔车削

螺纹车削

切槽切断

端面切槽

阻尼模组



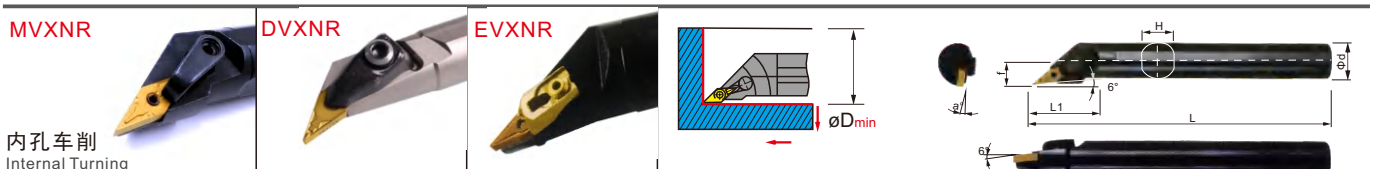
刀片 (Inserts): A13-A14 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	刀垫 Shim	中心销 Pin	压板 Clamp	压板螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕd	L	L1	H	f	α°							R	L	
S20R-MVQNR/L16	28	20	200	45	19	16	15°	VN..1604..	MV1603	CTM511	H2.1X14	M6X25	PL20 PL30	●	●	224401
S25S-MVQNR/L16	31	25	250	45	24	17	12°							●	●	224400
S32T-MVQNR/L16	39	32	300	50	30	23	17°							●	●	224402
S40T-MVQNR/L16	50	40	300	55	38	27	15°							●	●	224404

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	刀垫 Shim	刀垫螺丝 Shim Screw	压板 Clamp	压板螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕd	L	L1	H	f	α°							R	L	
S20R-DVQNR/L16	28	20	200	45	19	16	15°	VN..1604..	MV1603	M5X9	MZG-3	M6X21	PL30	○	○	224420
S25S-DVQNR/L16	31	25	250	45	24	17	12°							○	○	224422
S32T-DVQNR/L16	39	32	300	50	30	23	17°							○	○	224424
S40T-DVQNR/L16	50	40	300	55	38	27	15°							○	○	224426

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	刀垫 Shim	中心销 Pin	压板 Clamp	压板螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕd	L	L1	H	f	α°							R	L	
S32T-EVQNR/L16	42	32	300	50	30	23	17°	VN..1604..	MV1603	CT515-Z	EV16	M8X25	PL25 PL40	○	○	224430
S40T-EVQNR/L16	50	40	300	55	38	27	15°							○	○	224432



刀片 (Inserts): A13-A14 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	刀垫 Shim	中心销 Pin	压板 Clamp	压板螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕd	L	L1	H	f	α°							R	L	
S20R-MVXNR/L16	27	20	200	40	19	14	15°	VN..1604..	MV1603	CTM511	HL2414	M6X25	PL20 PL30	●	●	224500
S25S-MVXNR/L16	32	25	250	45	24	17	12°							●	●	224502
S32T-MVXNR/L16	42	32	300	50	30	23	17°							●	●	224504
S40T-MVXNR/L16	50	40	300	55	38	27	15°							●	●	224506

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	刀垫 Shim	刀垫螺丝 Shim Screw	压板 Clamp	压板螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕd	L	L1	H	f	α°							R	L	
S20R-DVXNR/L16	27	20	200	40	19	14	15°	VN..1604..	MV1603	M5X9	MZG-4	M6X21	PL30	○	○	224520
S25S-DVXNR/L16	32	25	250	45	24	17	12°							○	○	224522
S32T-DVXNR/L16	42	32	300	50	30	23	17°							○	○	224524
S40T-DVXNR/L16	50	40	300	55	38	27	15°							○	○	224526

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	刀垫 Shim	中心销 Pin	压板 Clamp	压板螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕd	L	L1	H	f	α°							R	L	
S32T-EVXNR/L16	42	32	300	50	30	23	17°	VN..1604..	MV1603	CT515-Z	EV16	M8X25	PL25 PL40	○	○	224530
S40T-EVXNR/L16	50	40	300	55	38	27	15°							○	○	224532

内孔车削

M | D | E | P 型锁紧内孔车刀 M | D | E | P Type Internal Turning Tool

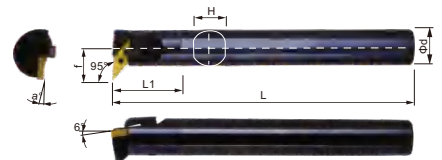
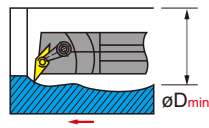
MVUNR



DVUNR



EVUNR



内孔车削
Internal Turning

刀片 (Inserts): A13-A14 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	刀垫 Shim	中心销 Pin	压板 Clamp	压板螺丝 Screw	扳手 Wrench	Stock		Order Number
	δ_{min}	δd	L	L1	H	f	α°							R	L	
S20R-MVUNR/L16	32	20	200	45	19	20	15°	VN..1604..	MV1603	CTM511	HL2114	M6X25	PL20 PL30	●	●	224601
S25S-MVUNR/L16	34	25	250	45	24	20	12°							●	●	224600
S32T-MVUNR/L16	40	32	300	50	30	22	17°							●	●	224602
S40T-MVUNR/L16	48	40	300	55	38	26	15°							●	●	224604

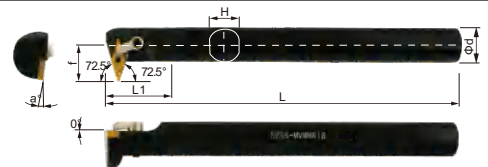
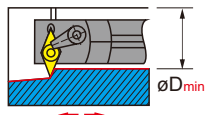
刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	刀垫 Shim	刀垫螺丝 Shim Screw	压板 Clamp	压板螺丝 Screw	扳手 Wrench	Stock		Order Number
	δ_{min}	δd	L	L1	H	f	α°							R	L	
S20R-DVUNR/L16	32	20	200	45	19	20	15°	VN..1604..	MV1603	M5X9	MZG-3	M6X21	PL30	○	○	224620
S25S-DVUNR/L16	34	25	250	45	24	20	12°							○	○	224622
S32T-DVUNR/L16	40	32	300	50	30	22	17°							○	○	224624
S40T-DVUNR/L16	48	40	300	55	38	26	15°							○	○	224626

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	刀垫 Shim	中心销 Pin	压板 Clamp	压板螺丝 Screw	扳手 Wrench	Stock		Order Number
	δ_{min}	δd	L	L1	H	f	α°							R	L	
S32T-EVUNR/L16	42	32	300	50	30	23	17°	VN..1604..	MV1603	CT515-Z	EV16	M8X25	PL25 PL40	○	○	224630
S40T-EVUNR/L16	50	40	300	55	38	27	15°							○	○	224632

MVWNR



内孔车削
Internal Turning



刀片 (Inserts): A13-A14 零配件 (Toolholder Parts): P03-P06

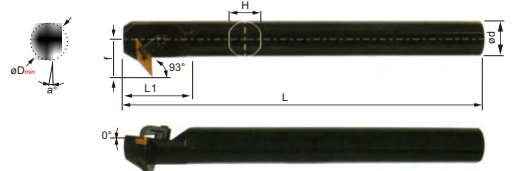
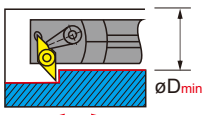
图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	刀垫 Shim	中心销 Pin	压板 Clamp	压板螺丝 Screw	扳手 Wrench	Stock		Order Number
	δ_{min}	δd	L	L1	H	f	α°							R	L	
S25S-MVWNR/L16	40	25	250	45	24	26	12°	VN..1504..	MV1603	CTM511	HL2114	M6X20	PL20 PL30	●	●	224700
S32T-MVWNR/L16	48	32	300	50	30	30	17°							●	●	224702

MVZNR



内孔车削
Internal Turning



刀片 (Inserts): A13-A14 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	刀垫 Shim	中心销 Pin	压板 Clamp	压板螺丝 Screw	扳手 Wrench	Stock		Order Number
	δ_{min}	δd	L	L1	H	f	α°							R	L	
S25S-MVZNR/L16	40	25	250	45	23	26	12°	VN..1504..	MV1603	CTM511	HL2114	M6X20	PL20 PL30	●	●	224750
S32T-MVZNR/L16	48	32	300	50	30	30	17°							●	●	224752

车削
刀具

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

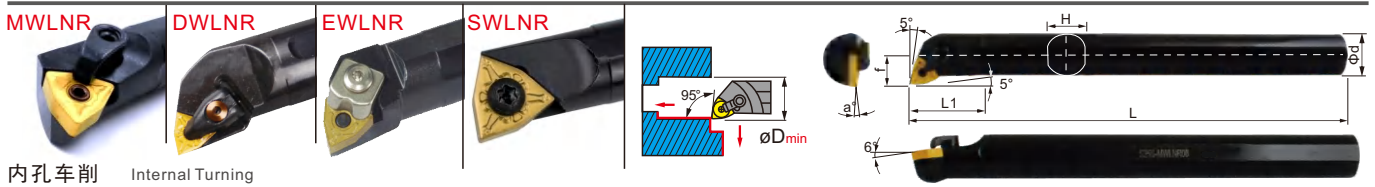
螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

车削刀柄



内孔车削 Internal Turning

刀片 (Inserts): A15-A17 零配件 (Toolholder Parts): P03-P06

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	刀垫 Shim	中心销 Pin	压板 Clamp	压板螺丝 Screw	扳手 Wrench	Stock		Order Number
	øD _{min}	ød	L	L1	H	f	α°							R	L	
S16Q-MWLNR/L06	20	16	180	35	15	11	18°	WN..0604..	MW0603	CTM511	HL1511	M5X20	PL20	●	●	224800
S18Q-MWLNR/L06	22	18	180	35	17	12	15°							●	●	224801
S20R-MWLNR/L06	24	20	200	40	19	13	15°							●	●	224802
S25S-MWLNR/L06	32	25	250	45	23	17	12°							●	●	224804
S32T-MWLNR/L06	40	32	300	50	30	22	17°							●	●	224803
S40T-MWLNR/L06	50	40	300	60	37	27	15°							●	●	224805

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	刀垫 Shim	中心销 Pin	压板 Clamp	压板螺丝 Screw	扳手 Wrench	Stock		Order Number
	øD _{min}	ød	L	L1	H	f	α°							R	L	
S16Q-MWLNR/L08	20	16	180	35	15	11	15°	WN..0804..	MW0804	CTM613	HL1810	M6X20	PL30	●	●	224806
S18Q-MWLNR/L08	22	18	180	35	17	12	15°							●	●	224807
S20R-MWLNR/L08	25	20	200	40	19	13	15°							●	●	224808
S25S-MWLNR/L08	30	25	250	46	23	16.5	12°							●	●	224810
S32T-MWLNR/L08	38	32	300	50	30	20	17°							●	●	224812
S40T-MWLNR/L08	46	40	300	60	37	24	15°							●	●	224814
S50U-MWLNR/L08	60	50	350	70	48	31	12°	●	●	224816						
S60V-MWLNR/L08	70	60	400	70	58	36	10°	●	●	224818						

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	刀垫 Shim	中心销 Pin	压板 Clamp	压板螺丝 Screw	扳手 Wrench	Stock		Order Number
	øD _{min}	ød	L	L1	H	f	α°							R	L	
S25S-WWLNR/L16	32	25	250	40	23	17	12°	WN..0804..	MW0804	CTM618-W	VWV-08	M5 X 23	PL30 PL40	●	○	224820
S32T-WWLNR/L16	40	32	300	50	30	22	17°							●	○	224822
S40U-WWLNR/L16	45	40	350	60	38	27	15°							●	○	224824
S50W-WWLNR/L16	55	50	450	70	48	31	12°							●	○	224826

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	刀垫 Shim	刀垫螺丝 Shim Screw	压板 Clamp	压板螺丝 Screw	扳手 Wrench	Stock		Order Number
	øD _{min}	ød	L	L1	H	f	α°							R	L	
S20R-DWLNR/L06	24	20	200	40	19	13	15°	WN..0604..	MW0603	M5X9P	MZG-3	M6X21	PL30	○	○	224830
S25S-DWLNR/L06	32	25	250	45	24	17	12°							○	○	224832
S32T-DWLNR/L06	40	32	300	50	30	22	17°							○	○	224834
S40T-DWLNR/L06	50	40	300	60	38	27	15°							○	○	224836
S20R-DWLNR/L08	25	20	200	40	19	13	15°	WN..0804..	MW0804	M6X9P	MZG-1	M6X21	PL30	○	○	224850
S25S-DWLNR/L08	30	25	250	45	24	16.5	12°							○	○	224852
S32T-DWLNR/L08	38	32	300	50	30	20	17°							○	○	224854
S40T-DWLNR/L08	46	40	300	60	38	24	15°							○	○	224856

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	刀垫 Shim	中心销 Pin	压板 Clamp	压板螺丝 Screw	扳手 Wrench	Stock		Order Number
	øD _{min}	ød	L	L1	H	f	α°							R	L	
S25S-EWLNR/L08	32	25	250	45	24	17	15°	WN..0804..	MW0804	CT618-Z	HLZ-08	M8X25	PL30 PL40	○	○	224860
S32T-EWLNR/L08	40	32	300	50	30	22	15°							○	○	224862
S40T-EWLNR/L08	50	40	300	60	38	27	12°							○	○	224864
S50U-EWLNR/L08	60	50	350	70	48	35	12°							○	○	224866

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	øD _{min}	ød	f	L	L1	H	α°				R	L	
S16Q-SWLNR/L08	21	16	11.5	180	26	14.8	15°	WN..0804..	M4.5×14	T20	●	●	227600
S18Q-SWLNR/L08	23	18	12.5	180	28	16.8	15°				●	●	227601
S20R-SWLNR/L08	25	20	13.5	200	28	18.4	15°				●	●	227602

CSV
凸轮
车削
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

内孔车削

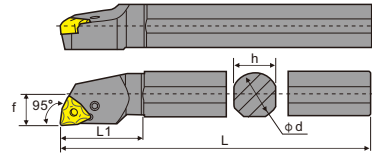
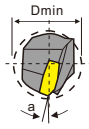
M | D | E | P 型锁紧内孔车刀 M | D | E | P Type Internal Turning Tool

PWLNLR/L

P类夹紧方式

Type P clamping method

Kr:95°

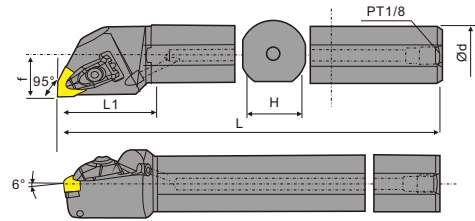
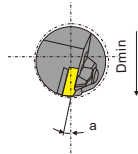
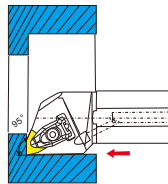


刀片 (Inserts): A15-A17 零配件 (Toolholder Parts): P03-P06

刀把型号 Ordering code	尺寸 Dimensions							螺钉 Nut bolt	刀垫 Shim	扳手 Wrench	杠杆 Lever	挡垫 Baffle pad	库存 stock		Order Number
	Dmin	ød	H	L	f	a°	L1						R	L	
S16M-PWLNLR/L06	20	16	15	150	11	13°	25	VHX0512		PL20	LV3B		○	○	
S16R-PWLNLR/L06	20	16	15	200	11	13°	25						○	○	
S20Q-PWLNLR/L06	25	20	18	180	13	13°	35						○	○	
S20S-PWLNLR/L06	25	20	18	250	13	13°	35	VHX0512		PL20	LV3B		○	○	
S25Q-PWLNLR/L06	32	25	23	180	17	13°	35						○	○	
S25T-PWLNLR/L06	32	25	23	300	17	13°	35						○	○	
S20Q-PWLNLR/L08	25	20	18	180	13	13°	32						○	○	
S20S-PWLNLR/L08	25	20	18	250	13	13°	32	VHX0613.4		PL25	LV4A		○	○	
S25Q-PWLNLR/L08	32	25	23	180	17	13°	45						○	○	
S25T-PWLNLR/L08	32	25	23	300	17	13°	45						○	○	
S32R-PWLNLR/L08	40	32	30	200	22	15°	50	VHX0821	PW08AP	PL30	LV4	SP4	○	○	
S32U-PWLNLR/L08	40	32	30	350	22	15°	50						○	○	
※A25S-PWLNLR/L08	32	25	23	250	17	13°	45	VHX0613.4		PL25	LV4A		○	○	
※A32T-PWLNLR/L08	40	32	30	300	22	15°	50	VHX0821	PW08AP	PL30	LV4	SP4	○	○	

A-DWLN (内径 · 内径端面加工)

A-DWLN (inner diameter · inner diameter end face machining)



•本图为右手(R)
This image is for the right hand(R)

刀片 (Inserts): A15-A17 零配件 (Toolholder Parts): P03-P06

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	刀垫 Shim	刀垫螺丝 Shim Screw	压板 Clamp	压板螺丝 Screw	扳手 Wrench	Stock		Order Number
	øD _{min}	ød	L	L1	H	f	α°							R	L	
A20R-DWLNLR/L08	28	20	200	40	19	15	15°	WN..0804..	MW0804	M6X9P	MZG-1	M6X21	PL30	○	○	
A25S-DWLNLR/L08	32	25	250	45	24	17	12°							○	○	
A32T-DWLNLR/L08	40	32	300	50	30	22	12°							○	○	
A40T-DWLNLR/L08	50	40	300	60	38	27	12°							○	○	

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

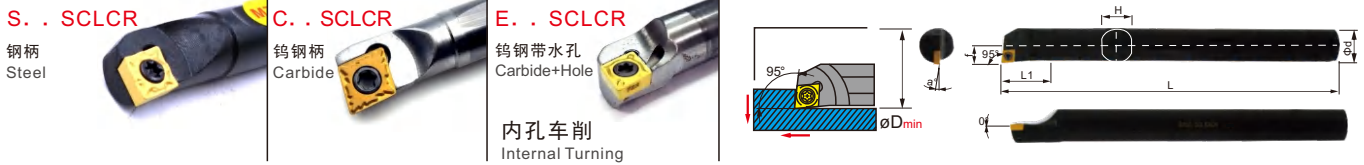
内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组



刀片 (Inserts): A19-A20 零配件 (Toolholder Parts): P03-P05

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	øD _{min}	ød	f	L	L1	H	α°				R	L	
S07K-SCLCR/L06	9	7	4.9	125	14	6	15°	CC..0602..	M2.5×5	T8	● ●	225000	
S08K-SCLCR/L06	10	8	5	125	14	7	15°		M2.5×6	T8	● ●	225002	
S10K-SCLCR/L06	12	10	6	125	14	9	13°				● ●	225004	
S12M-SCLCR/L06	16	12	9	150	25	11	10°				● ●	225006	
S16Q-SCLCR/L06	20	16	11	180	32	15	8°				● ●	225008	
S12M-SCLCR/L09	16	12	9	150	25	11	10°	CC..09T3..			M4×8	T15	● ●
S14N-SCLCR/L09	18	14	10	160	26	13	12°		● ●	225012			
S16Q-SCLCR/L09	20	16	11	180	28	15	12°		● ●	225014			
S18Q-SCLCR/L09	22	18	12	180	28	17	8°		● ●	225016			
S20R-SCLCR/L09	25	20	13	200	32.5	18	8°		● ●	225018			
S25S-SCLCR/L09	32	25	17	250	45	23	6°	CC..1204..	M5×12	T20	● ●	225020	
S25S-SCLCR/L12	32	25	17	250	45	23	6°				● ●	225022	
S32B-SCLCR/L12	40	32	22	300	20	30	10°				● ●	225024	
S40B-SCLCR/L12	50	40	27	300	60	37	8°				● ●	225026	
S10K-SCLPR/L08	12	10	6	125	14	9	13°				CP..0802..	M3×5	T9
S12M-SCLPR/L08	14	12	7	150	25	11	10°	CP..0903..	M4×8	T15	● ●	225030	
S12M-SCLPR/L09	14	12	7	150	25	11	10°				● ●	225032	
S16Q-SCLPR/L09	18	16	9	180	28	15	10°				● ●	225034	
S20R-SCLPR/L09	22	20	11	200	32	19	8°	● ●	225036				

碳化钨钢防震刀杆 (防震效果>8倍柄径)

Carbide Steel Shock-Proof Toolholder (Shock-Proof Effect > 8 Times Toolholder Diameter)

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number		
	øD _{min}	ød	f	L	L1	H	α°				R	L			
C04G-SCLCR/L03-05	5	4	2.8	90	10	3.6	15°	CC..0301..	M1.8×2.5	T6	● ●	225100			
C05H-SCLCR/L03-06	6	5	3	100	10	4.5	15°				● ●	225102			
C05H-SCLCR/L04-06	6	5	3	100	10	4.5	15°				● ●	225104			
C06J-SCLCR/L04-07	7	6	3.5	110	12	5.4	15°	CC..0401..	M2.2×3.1	T7	● ●	225106			
C07J-SCLCR/L04-08	8	7	4	110	15	6	15°				● ●	225108			
C08K-SCLCR/L06-10	10	8	5	125	15	7	15°	CC..0602..	M2.5×6	T8	● ●	225110			
C10M-SCLCR/L06-12	12	10	6	150	15	9	13°				● ●	225112			
C12M-SCLCR/L06-14	14	12	7	150	20	11	10°				● ●	225114			
C12Q-SCLCR/L06-14	14	12	7	180	20	11	10°				● ●	225116			
C16R-SCLCR/L06-18	18	16	9	200	25	15	8°				● ●	225118			
C12M-SCLCR/L09-14	14	12	7	150	20	11	12°				CC..09T3..	M4×8	T15	● ●	225120
C12Q-SCLCR/L09-14	14	12	7	180	20	11	12°							● ●	225122
C14M-SCLCR/L09-16	16	14	8	150	20	13	12°							● ●	225124
C16M-SCLCR/L09-18	18	16	9	150	25	15	12°							● ●	225126
C16R-SCLCR/L09-18	18	16	9	200	25	15	12°							● ●	225128
C20R-SCLCR/L09-22	22	20	11	200	30	19	8°	● ○	225130						
C20S-SCLCR/L09-22	22	20	11	250	30	19	8°	● ○	225132						
C25R-SCLCR/L09-32	29	25	14.5	200	35	24	6°	○ ○	225134						
C25S-SCLCR/L09-32	29	25	14.5	250	35	24	6°	○ ○	225136						
C10M-SCLPR/L08-12	12	10	6	150	15	9	13°	CP..0802..	M3×5	T9				● ●	225138
C12Q-SCLPR/L08-14	14	12	7	180	20	11	10°	CP..0903..	M4×8	T15	● ●	225140			
C12Q-SCLPR/L09-14	14	12	7	180	20	11	12°				● ●	225142			
C16R-SCLPR/L09-18	18	16	9	200	25	15	12°				● ●	225144			
C04G-SJLCR/L03-055	5.5	4	2.95	90	10	3.6	15°	JC..0301..	M1.8×2.5	T6	● ●	225146			

碳化钨钢带水孔防震刀杆 (防震效果>8倍柄径)

Carbide Steel Shock-Proof Hollow Toolholder (Shock-Proof Effect > 8 Times Toolholder Diameter)

E05H-SCLCR/L03-06	6	5	3	100	10	4.5	15°	CC..0301..	M1.8×2.5	T6	● ○	225150			
E06J-SCLCR/L04-07	7	6	3.5	110	12	5.4	15°				● ○	225152			
E08K-SCLCR/L06-10	10	8	5	125	15	7	15°	CC..0602..	M2.5×6	T8	● ○	225154			
E10M-SCLCR/L06-12	12	10	6	150	15	9	13°				● ○	225156			
E12M-SCLCR/L06-14	14	12	7	150	20	11	10°				● ○	225158			
E12Q-SCLCR/L06-14	14	12	7	180	20	11	10°				● ○	225160			
E16R-SCLCR/L06-18	18	16	9	200	25	15	8°				● ○	225162			
E12M-SCLCR/L09-14	14	12	7	150	20	11	12°				CC..09T3..	M4×8	T15	● ○	225164
E12Q-SCLCR/L09-14	14	12	7	180	20	11	12°							● ○	225166
E16R-SCLCR/L09-18	18	16	9	200	25	15	12°							● ○	225168
E20R-SCLCR/L09-22	22	20	11	200	30	19	8°							● ○	225170
E20S-SCLCR/L09-22	22	20	11	250	30	19	8°							● ○	225172

内孔车削

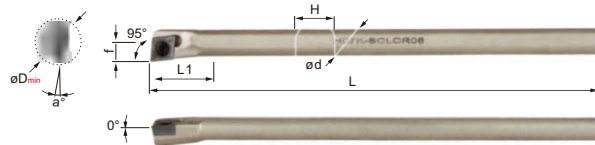
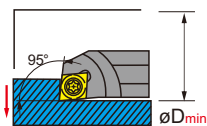
S 型锁紧内孔车刀 S Type Internal Turning Tool

H..SCLCR

高速钢柄
HSS



内孔车削
Internal Turning



刀片 (Inserts): A19-A20 零配件 (Toolholder Parts): P03-P05

高速钢防震刀杆 (防震效果>5倍柄径)

High-Speed Steel Shock-Proof Toolholder (Shock-Proof Effect > 5 Times Toolholder Diameter)

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	øD _{min}	ød	f	L	L1	H	α°				R	L	
H04H-SCLCR/L03	4.8	4	2.5	100	15	3.6	15°	CC..0301..	M1.8×2.5	T6	●	●	
H05H-SCLCR/L03	5.5	5	2.8	100	15	4.5	15°	CC..0401..	M2.2×3.1	T7	●	●	
H05H-SCLCR/L04	5.8	5	2.8	100	15	4.5	15°	CC..0301..	M1.8×2.5	T6	●	●	
H06J-SCLCR/L03	7	6	3.5	110	22	5	15°	CC..0301..	M1.8×2.5	T6	●	●	
H06J-SCLCR/L06	8	6	4.3	110	25	5	15°	CC..0602..	M2.5×6	T8	●	●	
H07K-SCLCR/L06	9	7	4.5	125	30	6	15°	CC..0602..	M2.5×6	T8	●	●	
H08K-SCLCR/L06	10	8	5	125	35	7	15°	CC..0602..	M2.5×6	T8	●	●	
H0804K-SCLCR/L03-L20	4.8	8	2.5	125	20	7	15°	CC..0301..	M1.8×2.5	T6	●	●	
H0805K-SCLCR/L04-L20	5.8	8	2.8	125	20	7	15°	CC..0401..	M2.2×3.1	T7	●	●	
H0806K-SCLCR/L04-L20	6.8	8	3.3	125	20	7	15°	CC..0401..	M2.2×3.1	T7	●	●	
H10K-SCLCR/L06	12	10	6	125	25	9	13°	CC..0602..	M2.5×6	T8	●	●	
H1004K-SCLCR/L03-L15	4.8	10	2.5	125	15	9	15°	CC..0301..	M1.8×2.5	T6	●	●	
H1004K-SCLCR/L03-L22	4.8	10	2.5	125	22	9	15°	CC..0301..	M1.8×2.5	T6	●	●	
H1005K-SCLCR/L03-L22	5.5	10	2.8	125	22	9	15°	CC..0301..	M1.8×2.5	T6	●	●	
H1005K-SCLCR/L04-L22	5.8	10	2.8	125	22	9	15°	CC..0401..	M2.2×3.1	T7	●	●	
H12M-SCLCR/L06	14	12	7	150	25	11	10°	CC..0602..	M2.5×6	T8	●	●	
H12R-SCLCR/L06	14	12	7	200	25	11	10°	CC..0602..	M2.5×6	T8	●	●	
H12M-SCLCR/L09	16	12	7.5	150	25	11	10°	CC..09T3..	M4×8	T15	●	●	
H12M-SCLCR06-A16	16	12	7	150	25	11	10°	CC..0602..	M2.5×6	T8	●	●	
H1205K-SCLCR/L03-L20	5.5	12	2.8	125	20	11	15°	CC..0301..	M1.8×2.5	T6	●	●	
H1205K-SCLCR/L04-L10	5.8	12	3.3	125	10	11	15°	CC..0401..	M2.2×3.1	T7	●	●	
H1205K-SCLCR/L04-L15	5.8	12	3.3	125	15	11	15°	CC..0401..	M2.2×3.1	T7	●	●	
H1205K-SCLCR/L04-L20	5.8	12	3.3	125	20	11	15°	CC..0401..	M2.2×3.1	T7	●	●	
H14N-SCLCR/L06	16	14	8	160	26	13	12°	CC..0602..	M2.5×6	T8	●	●	
H14N-SCLCR/L09	16	14	8.5	160	26	13	12°	CC..09T3..	M4×8	T15	●	●	
H16Q-SCLCR/L06	18	16	9.5	180	28	15	12°	CC..0602..	M2.5×6	T8	●	●	
H16Q-SCLCR/L09	18	16	10	180	28	15	12°	CC..09T3..	M4×8	T15	●	●	
H16R-SCLCR/L09	18	18	10	200	28	15	12°	CC..09T3..	M4×8	T15	●	●	
H18R-SCLCR/L09	20	20	10.5	200	30	17	8°	CC..09T3..	M4×8	T15	●	●	
H20R-SCLCR/L09	22	20	11.5	200	35	19	8°	CC..09T3..	M4×8	T15	●	●	
H20R-SCLCR/L12	22	20	12	200	35	19	8°	CC..1204..	M5×12	T20	●	●	
H20S-SCLCR/L09	22	20	11.5	250	35	19	8°	CC..09T3..	M4×8	T15	●	●	
H25S-SCLCR/L09	28	25	14	250	45	23	6°	CC..09T3..	M4×8	T15	●	●	
H25T-SCLCR/L09	28	25	14	300	45	23	6°	CC..09T3..	M4×8	T15	●	●	
H25S-SCLCR/L12	28	25	14.5	250	45	23	6°	CC..1204..	M5×12	T20	●	●	
H32T-SCLCR/L09	36	32	17.5	300	50	30	6°	CC..09T3..	M4×8	T15	●	●	
H32U-SCLCR/L09	36	32	17.5	350	50	30	6°	CC..09T3..	M4×8	T15	●	●	
H32T-SCLCR/L12	36	32	18	300	50	30	6°	CC..1204..	M5×12	T20	●	●	
H40U-SCLCR/L09	45	40	21.5	350	60	37	6°	CC..09T3..	M4×8	T15	●	●	
H40U-SCLCR/L12	45	40	22	350	60	37	6°	CC..1204..	M5×12	T20	●	●	

车削
刀具

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

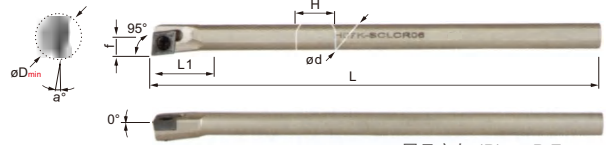
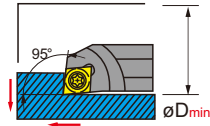
- 车削刀柄
- CSV 凸轮车床刀具
- DS 刀柄
- 正面排刀
- Y轴刀柄
- 前车削
- 后车削
- 小径切槽切断螺纹
- 小孔加工
- 滚花车花
- 焊接车刀夹头
- 外圆车削
- 内孔车削
- 螺纹车削
- 切槽切断
- 端面切槽
- 阻尼模组

B-S...SCLCR.

弹簧钢柄
Spring Steel



内孔车削
Internal Turning



图示方向 (R) R-Type

弹簧钢防震刀杆 (防震效果>4倍柄径)

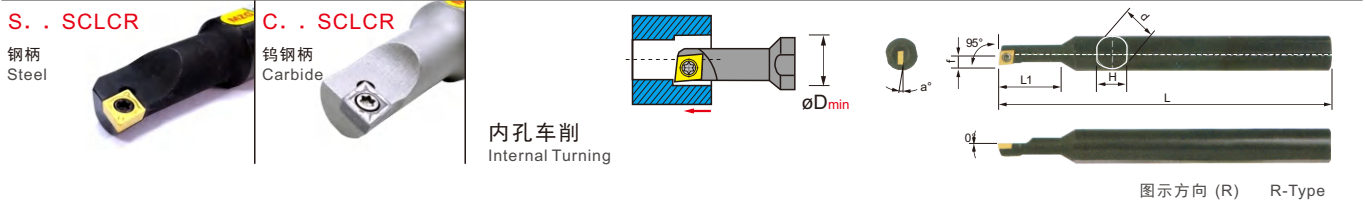
Spring Steel Shock-Proof Toolholder (Shock-Proof Effect > 4 Times Toolholder Diameter)

刀片 (Inserts): A19-A20 零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕd	f	L	L1	H	α°				R	L	
B-S07K-SCLCR/L06	9	7	4.9	125	14	6	15°	CC..0602..	M2.5×5	T8	●	●	225220
B-S08K-SCLCR/L06	10	8	5	125	14	7	15°		●	●	225222		
B-S10K-SCLCR/L06	12	10	6	125	14	9	13°		●	●	225224		
B-S12M-SCLCR/L06	16	12	9	150	25	11	10°		●	●	225226		
B-S16Q-SCLCR/L06	20	16	11	180	32	15	8°	●	●	225228			
B-S12M-SCLCR/L09	16	12	9	150	25	11	10°	CC..09T3..	M4×8	T15	●	●	225230
B-S14N-SCLCR/L09	18	14	10	160	26	13	12°				●	●	225232
B-S16Q-SCLCR/L09	20	16	11	180	28	15	12°				●	●	225234
B-S18Q-SCLCR/L09	22	18	12	180	28	17	8°				●	●	225236
B-S20R-SCLCR/L09	25	20	13	200	32.5	18	8°				●	●	225238
B-S25S-SCLCR/L09	32	25	17	250	45	23	6°				●	●	225239

内孔车削

S 型锁紧内孔车刀 S Type Internal Turning Tool



刀片 (Inserts): A19-A20 零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕd	f	L	L1	H	α°				R	L	
S07M-SCLCR/L06-A16	9	16	4.5	150	20	15	15°	CC..0602..	M2.5×5	T8	●	●	225200
S08M-SCLCR/L06-A16	10	16	5	150	20	15	13°		M2.5×6	T8	●	●	225202
S10M-SCLCR/L06-A16	12	16	6	150	20	15	12°				●	●	225204
S12M-SCLCR/L06-A16	14	16	7	150	25	15	10°	CC..09T3..	M4×8	T15	●	●	225206
S12M-SCLCR/L09-A16	16	16	8	150	25	15	10°				●	●	225208
S14Q-SCLCR/L09-A16	16	16	8	180	35	15	10°				●	●	225210
S14Q-SCLCR09/L-A16-60L	16	16	8	180	60	15	10°				●	●	225212
碳化钨钢防震刀杆 (防震效果>8倍柄径) Carbide Steel Shock-Proof Toolholder(Shock-Proof Effect > 8 Times Toolholder Diameter)													
C0604H-SCLCR/L03-05-10	5	6	2.5	100	10	5.5	15°	CC..0301..	M1.8×2.5	T6	●	●	225214
C0605H-SCLCR/L03-06-10	6	6	3	100	10	5.5	15°				●	●	225216
C0807K-SCLCR/L04-08-15	8	8	4	125	15	7	15°				●	●	225218

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

车削刀柄

CSV
凸轮车削刀具

DS
刀柄

正面排刀

Y轴刀柄

前车削

后车削

小径切槽
切断
螺纹

小孔加工

滚花
车花

焊接车刀
夹头

外圆车削

内孔车削

螺纹车削

切槽
切断

端面切槽

阻尼
模组

S..SCKCR

钢柄
Steel

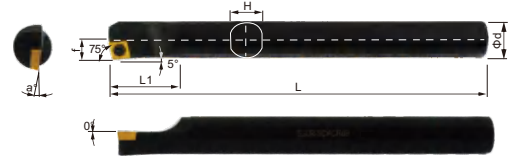
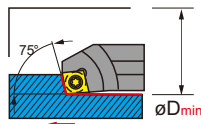


C..SCKCR

钨钢柄
Carbide



内孔车削
Internal Turning



刀片 (Inserts): A19-A20 零配件 (Toolholder Parts): P03-P05

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	øD _{min}	ød	f	L	L1	H	α°				R	L	
S08K-SCKCR/L06	10.5	8	5.5	125	20	7	13°	CC..0602..	M2.5×6	T8	●	●	225300
S10K-SCKCR/L06	13.5	10	6	125	22	9	12°				●	●	225302
S12M-SCKCR/L06	16	12	7	150	23	11	10°				●	●	225304
S12M-SCKCR/L09	14	12	8	150	30	11	12°	CC..09T3..	M4×8	T15	●	●	225306
S14N-SCKCR/L09	15	14	8	160	30	13	10°				●	●	225308
S16Q-SCKCR/L09	18	16	9.5	180	30	15	10°				●	●	225310
S20R-SCKCR/L09	23	20	11.5	200	35	19	8°				●	●	225312
S25S-SCKCR/L09	31	25	14	250	40	24	6°				●	●	225314
S16Q-SCKCR/L12	19	16	9.5	180	30	15	10°	CC..1204..	M4×8	T15	●	●	225313
S20R-SCKCR/L12	23	20	12	200	40	19	10°				●	●	225315

碳化钨钢防震刀杆 (防震效果>8倍柄径) Carbide Steel Shock-Proof Toolholder (Shock-Proof Effect > 8 Times Toolholder Diameter)

C08K-SCKCR/L06	10	8	5.5	125	15	7	13°	CC..0602..	M2.5×6	T8	●	●	225316	1260
C10K-SCKCR/L06	13	10	6	125	15	9	12°				●	●	225318	1320
C12M-SCKCR/L06	16	12	7	150	20	11	10°				●	●	225320	1560
C12M-SCKCR/L09	16	12	7	150	20	11	12°	CC..09T3..	M4×8	T15	●	●	225322	1560
C16Q-SCKCR/L09	20	16	9	180	25	13	10°				●	●	225324	2490
C20R-SCKCR/L09	24	20	11.5	200	30	15	10°				●	●	225326	4800
C20S-SCKCR/L09	24	20	11.5	250	30	19	8°				●	●	225328	5700

B-S..SCKCR

弹簧钢柄
Spring Steel



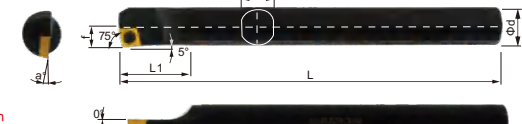
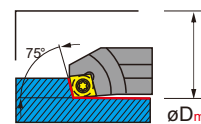
H..SCKCR

高速钢柄
HSS



内孔车削
Internal Turning

内孔车削
Internal Turning



刀片 (Inserts): A19-A20 零配件 (Toolholder Parts): P03-P05

图示方向 (R) R-Type

弹簧钢防震刀杆 (防震效果>4倍柄径) Spring Steel Shock-Proof Toolholder (Shock-Proof Effect > 4 Times Toolholder Diameter)

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	øD _{min}	ød	f	L	L1	H	α°				R	L	
B-S08K-SCKCR/L06	10.5	8	5.5	125	20	7	13°	CC..0602..	M2.5×6	T8	●	●	225330
B-S10K-SCKCR/L06	13.5	10	6	125	22	9	12°				●	●	225332
B-S12M-SCKCR/L06	16	12	7	150	23	11	10°				●	●	225334
B-S12M-SCKCR/L09	14	12	8	150	30	11	12°	CC..09T3..	M4×8	T15	●	●	225336
B-S14N-SCKCR/L09	15	14	8	160	30	13	10°				●	●	225338
B-S16Q-SCKCR/L09	18	16	9.5	180	30	15	10°				●	●	225340
B-S20R-SCKCR/L09	23	20	11.5	200	35	19	8°				●	●	225346
B-S25S-SCKCR/L09	31	25	14	250	40	24	6°				●	●	225348

高速钢防震刀杆 (防震效果>5倍柄径) High-Speed Steel Shock-Proof Toolholder (Shock-Proof Effect > 5 Times Toolholder Diameter)

H08K-SCKCR/L06	10.5	8	5.5	125	20	7	13°	CC..0602..	M2.5×6	T8	●	●	225350
H10K-SCKCR/L06	13.5	10	6	125	22	9	12°				●	●	225352
H12M-SCKCR/L06	16	12	7	150	23	11	10°				●	●	225354
H12M-SCKCR/L09	14	12	8	150	30	11	12°	CC..09T3..	M4×8	T15	●	●	225356
H14N-SCKCR/L09	15	14	8	160	30	13	10°				●	●	225358
H16Q-SCKCR/L09	18	16	9.5	180	30	15	10°				●	●	225360
H20R-SCKCR/L09	23	20	11.5	200	35	19	8°				●	●	225366
H25S-SCKCR/L09	31	25	14	250	40	24	6°				●	●	225368

内孔车削

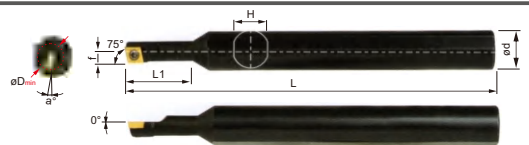
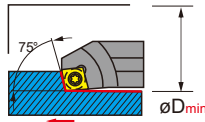
S 型锁紧内孔车刀 S Type Internal Turning Tool

S. . SCKCR

钢柄
Steel



内孔车削
Internal Turning



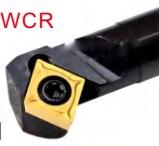
刀片 (Inserts): A19-A20 零配件 (Toolholder Parts): P03-P05

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕd	f	L	L1	H	α°				R	L	
S07M-SCKCR/L06-A16	9	16	4.9	150	25	15	15°	CC..0602..	M2.5×6	T8	●	●	225390
S08M-SCKCR/L06-A16	10	16	5.5	150	28	15	13°				●	●	225392
S10M-SCKCR/L06-A16	12	16	6	150	30	15	12°				●	●	225394
S12M-SCKCR/L06-A16	14	16	7	150	35	15	10°				●	●	225396

S. . SCWCR

钢柄
Steel

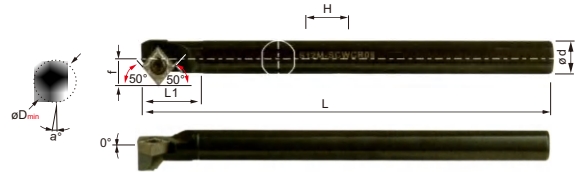
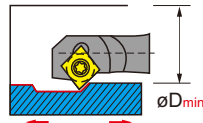


H. . SCWCR

高速钢柄
HSS



内孔车削
Internal Turning



刀片 (Inserts): A19-A20 零配件 (Toolholder Parts): P03-P05

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕd	f	L	L1	H	α°				R	L	
S08K-SCWCR/L06	12	8	7	125	14	7	13°	CC..0602..	M2.5×6	T8	●	●	225380
S10K-SCWCR/L06	14	10	8	125	14	9	13°				●	●	225382
S12M-SCWCR/L06	16	12	9	150	16	11	10°				●	●	225384
S12M-SCWCR/L09	17	12	9.5	150	18	11	10°	CC..09T3..	M4×8	T15	●	●	225386
S16Q-SCWCR/L09	21	16	11.5	180	20	15	10°				●	●	225388
S20R-SCWCR/L09	25	20	13.5	200	22	19	8°				●	●	225390

高速钢防震刀杆 (防震效果>5倍柄径)

High-Speed Steel Shock-Proof Toolholder (Shock-Proof Effect > 5 Times Toolholder Diameter)

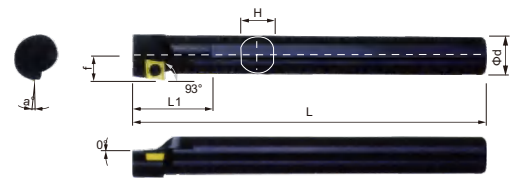
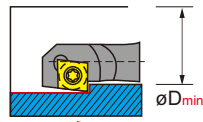
H08K-SCWCR/L06	12	8	7	125	14	7	13°	CC..0602..	M2.5×6	T8	●	●	225391
H10K-SCWCR/L06	14	10	8	125	14	9	13°				●	●	225392
H12M-SCWCR/L06	16	12	9	150	16	11	10°				●	●	225394
H12M-SCWCR/L09	17	12	9.5	150	18	11	10°	CC..09T3..	M4×8	T15	●	●	225396
H16Q-SCWCR/L09	21	16	11.5	180	20	15	10°				●	●	225398
H20R-SCWCR/L09	25	20	13.5	200	22	19	8°				●	●	225399

S. . SCZCR

钢柄
Steel



内孔车削
Internal Turning



刀片 (Inserts): A19-A20 零配件 (Toolholder Parts): P03-P05

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕd	f	L	L1	H	α°				R	L	
S08K-SCZCR/L06	12	8	6.5	125	25	7	13°	CC..0602..	M2.5×6	T8	●	●	225400
S10K-SCZCR/L06	14	10	7.5	125	27	9	12°				●	●	225402
S12M-SCZCR/L06	16	12	8.5	150	30	11	10°				●	●	225404
S16Q-SCZCR/L06	20	16	10.5	180	35	15	18°				●	●	225406
S12M-SCZCR/L09	17	12	10	150	30	11	12°	CC..09T3..	M4×8	T15	●	●	225407
S16Q-SCZCR/L09	21	16	11.5	180	35	15	10°				●	●	225408
S20R-SCZCR/L09	25	20	13.5	200	40	19	8°				●	●	225410
S25S-SCZCR/L09	32	25	16	250	42	24	6°				●	●	225412

碳化钨钢防震刀杆 (防震效果>8倍柄径)

Carbide Steel Shock-Proof Toolholder (Shock-Proof Effect > 8 Times Toolholder Diameter)

C04X-SJZCR/L03-065	6.5	4	4	93	4.8	3.6	15°	JC..0301..	M1.8×2.5	T6	●	●	225414
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车削
车刀

CSV
凸轮
车床
刀具

DS
车刀

正面
排刀

Y轴
车刀

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

车削刀柄

CSV 凸轮车床刀具

DS 刀柄

正面排刀

Y轴刀柄

前车削

后车削

小径切槽切断螺纹

小孔加工

滚花车花

焊接车刀夹头

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螺纹车削

切槽切断

端面切槽

阻尼模组

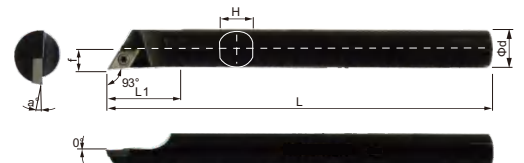
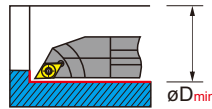
S. . SDJCR

钢柄
Steel



C. . SDJCR

钨钢柄
Carbide



内孔车削
Internal Turning

刀片 (Inserts): A21-A22 零配件 (Toolholder Parts): P03-P05

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕd	f	L	L1	H	α°				R	L	
S08K-SDJCR/L07	10	8	5.5	125	20	5.5	12°	DC..0702..	M2.5×6	T8	●	●	225965
S10K-SDJCR/L07	13	10	7	125	25	7	10°				●	●	225966
S12M-SDJCR/L07	16	12	9	150	30	8.5	8°				●	●	225967
S16Q-SDJCR/L07	20	16	11	180	30	11	6°				●	●	225968
S16Q-SDJCR/L11	20	16	9.5	180	35	11	10°	DC..11T3..	M4×10	T15	●	●	225969
S20R-SDJCR/L11	25	20	13	200	40	13	6°				●	●	225970
S25S-SDJCR/L11	32	25	17	250	40	17	4°				●	●	225971

碳化钨钢防震刀杆 (防震效果>8倍柄径)

Carbide Steel Shock-Proof Toolholder (Shock-Proof Effect > 8 Times Toolholder Diameter)

C08K-SDJCR/L07	10	8	5.5	125	15	7	12°	DC..0702..	M2.5×6	T8	●	●	225972
C10M-SDJCR/L07	13	10	7	150	15	9	10°				●	●	225973
C12M-SDJCR/L07	16	12	9	150	20	11	8°				●	●	225975
C16R-SDJCR/L07	20	16	11	200	25	15	6°				●	●	225976
C20R-SDJCR/L11	25	20	13	200	30	19	6°	DC..11T3..	M4×10	T15	●	●	225977
C20S-SDJCR/L11	25	20	13	250	30	19	6°				●	●	225978
C25R-SDJCR/L11	32	25	17	200	35	24	4°				●	●	225979
C25S-SDJCR/L11	32	25	17	250	35	24	4°				●	●	225980

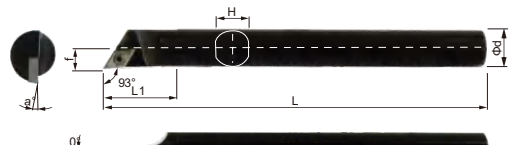
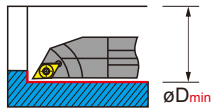
B-S. . SDJCR

弹簧钢柄
Spring Steel



H. . SDJCR

高速钢柄
HSS



内孔车削
Internal Turning

刀片 (Inserts): A21-A22 零配件 (Toolholder Parts): P03-P05

图示方向 (R) R-Type

弹簧钢防震刀杆 (防震效果>4倍柄径)

Spring Steel Shock-Proof Toolholder (Shock-Proof Effect > 4 Times Toolholder Diameter)

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕd	f	L	L1	H	α°				R	L	
B-S08K-SDJCR/L07	10	8	5.5	125	20	5.5	12°	DC..0702..	M2.5×6	T8	●	●	225981
B-S10K-SDJCR/L07	13	10	7	125	25	7	10°				●	●	225982
B-S12M-SDJCR/L07	16	12	9	150	30	8.5	8°				●	●	225983
B-S16Q-SDJCR/L07	20	16	11	180	30	11	6°				●	●	225985
B-S16Q-SDJCR/L11	20	16	9.5	180	35	11	10°	DC..11T3..	M4×10	T15	●	●	225986
B-S20R-SDJCR/L11	25	20	13	200	40	13	6°				●	●	225987
B-S25S-SDJCR/L11	32	25	17	250	40	17	4°				●	●	225988

高速钢防震刀杆 (防震效果>5倍柄径)

High-Speed Steel Shock-Proof Toolholder (Shock-Proof Effect > 5 Times Toolholder Diameter)

H08K-SDJCR/L07	10	8	5.5	125	20	5.5	12°	DC..0702..	M2.5×6	T8	●	●	225990
H10K-SDJCR/L07	13	10	7	125	25	7	10°				●	●	225991
H12M-SDJCR/L07	16	12	9	150	30	8.5	8°				●	●	225992
H16Q-SDJCR/L07	20	16	11	180	30	11	6°				●	●	225993
H16Q-SDJCR/L11	20	16	9.5	180	35	11	10°	DC..11T3..	M4×10	T15	●	●	225995
H20R-SDJCR/L11	25	20	13	200	40	13	6°				●	●	225996
H25S-SDJCR/L11	32	25	17	250	40	17	4°				●	●	225998

内孔车削

S 型锁紧内孔车刀 S Type Internal Turning Tool

S. . SDXCR

钢柄
Steel

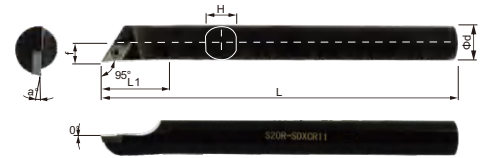
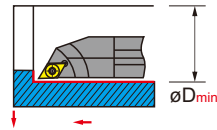


C. . SDXCR

钨钢柄
Carbide



内孔车削
Internal Turning



刀片 (Inserts): A21-A22 零配件 (Toolholder Parts): P03-P05

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	øD _{min}	ød	f	L	L1	H	α°				R	L	
S08K-SDXCR/L07	10	8	5.5	125	20	5.5	12°	DC..0702..	M2.5×6	T8	●	●	225900
S10K-SDXCR/L07	13	10	7	125	25	7	10°				●	●	225902
S12M-SDXCR/L07	16	12	9	150	30	8.5	8°				●	●	225904
S16Q-SDXCR/L07	20	16	11	180	30	11	6°				●	●	225906
S16Q-SDXCR/L11	20	16	9.5	180	35	11	10°	DC..11T3..	M4×10	T15	●	●	225908
S20R-SDXCR/L11	25	20	13	200	40	13	6°				●	●	225910
S25S-SDXCR/L11	32	25	17	250	40	17	4°				●	●	225912

碳化钨钢防震刀杆 (防震效果>8倍柄径)

Carbide Steel Shock-Proof Toolholder (Shock-Proof Effect > 8 Times Toolholder Diameter)

C08K-SDXCR/L07	10	8	5.5	125	15	7	12°	DC..0702..	M2.5×6	T8	●	●	225914
C10M-SDXCR/L07	13	10	7	150	15	9	10°				●	●	225916
C12M-SDXCR/L07	16	12	9	150	20	11	8°				●	●	225918
C16R-SDXCR/L07	20	16	11	200	25	15	6°				●	●	225920
C20R-SDXCR/L11	25	20	13	200	30	19	6°	DC..11T3..	M4×10	T15	●	●	225922
C20S-SDXCR/L11	25	20	13	250	30	19	6°				●	●	225924
C25R-SDXCR/L11	32	25	17	200	35	24	4°				●	●	225926
C25S-SDXCR/L11	32	25	17	250	35	24	4°				●	●	225928

B-S. . SDXCR

弹簧钢柄
Spring Steel

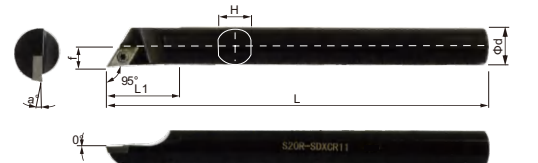
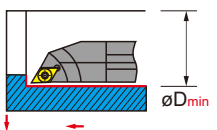


H. . SDXCR

高速钢柄
HSS



内孔车削
Internal Turning



刀片 (Inserts): A21-A22 零配件 (Toolholder Parts): P03-P05

图示方向 (R) R-Type

弹簧钢防震刀杆 (防震效果>4倍柄径)

Spring Steel Shock-Proof Toolholder (Shock-Proof Effect > 4 Times Toolholder Diameter)

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	øD _{min}	ød	f	L	L1	H	α°				R	L	
B-S08K-SDXCR/L07	10	8	5.5	125	20	5.5	12°	DC..0702..	M2.5×6	T8	●	●	225930
B-S10K-SDXCR/L07	13	10	7	125	25	7	10°				●	●	225932
B-S12M-SDXCR/L07	16	12	9	150	30	8.5	8°				●	●	225934
B-S16Q-SDXCR/L07	20	16	11	180	30	11	6°				●	●	225936
B-S16Q-SDXCR/L11	20	16	9.5	180	35	11	10°	DC..11T3..	M4×10	T15	●	●	225938
B-S20R-SDXCR/L11	25	20	13	200	40	13	6°				●	●	225940
B-S25S-SDXCR/L11	32	25	17	250	40	17	4°				●	●	225945

高速钢防震刀杆 (防震效果>5倍柄径)

High-Speed Steel Shock-Proof Toolholder (Shock-Proof Effect > 5 Times Toolholder Diameter)

H08K-SDXCR/L07	10	8	5.5	125	20	5.5	12°	DC..0702..	M2.5×6	T8	●	●	225950	250
H10K-SDXCR/L07	13	10	7	125	25	7	10°				●	●	225952	270
H12M-SDXCR/L07	16	12	9	150	30	8.5	8°				●	●	225954	300
H16Q-SDXCR/L07	20	16	11	180	30	11	6°				●	●	225956	500
H16Q-SDXCR/L11	20	16	9.5	180	35	11	10°	DC..11T3..	M4×10	T15	●	●	225958	500
H20R-SDXCR/L11	25	20	13	200	40	13	6°				●	●	225960	800
H25S-SDXCR/L11	32	25	17	250	40	17	4°				●	●	225962	1200

车削
车刀

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

车削刀柄

S. . SDQCR

钢柄
Steel

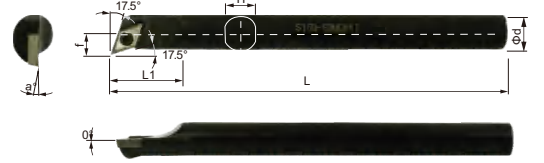
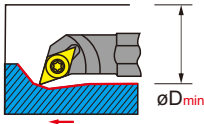


C. . SDQCR

钨钢柄
Carbide



内孔车削
Internal Turning



图示方向 (R) R-Type

刀片 (Inserts): A21-A22 零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	øD _{min}	ød	f	L	L1	H	α°				R	L	
S08K-SDQCR/L07	12	8	7	125	23	7	13°	DC..0702..	M2.5×6	T8	●	●	225601
S10K-SDQCR/L07	13	10	7	125	23	9	10°				●	●	225600
S12M-SDQCR/L07	16	12	9	150	30	11	8°				●	●	225602
S14N-SDQCR/L07	17	14	9	160	30	13	8°				●	●	225601
S16Q-SDQCR/L07	20	16	10.5	180	30	15	6°	DC..11T3..	M4×8	T15	●	●	225604
S16Q-SDQCR/L11	20	16	10.5	180	30	15	6°				●	●	225605
S20R-SDQCR/L11	23	20	13	200	39	19	6°				●	●	225606
S25S-SDQCR/L11	30	25	16	250	40	24	4°				●	●	225608
S32B-SDQCR/L11	38	32	20	300	43	30	4°	●	●	225610			

碳化钨钢防震刀杆 (防震效果>8倍柄径)

Carbide Steel Shock-Proof Toolholder(Shock-Proof Effect > 8 Times Toolholder Diameter)

C10M-SDQCR/L07	13	10	7	150	15	9	10°	DC..0702..	M2.5×6	T8	●	●	225612
C12M-SDQCR/L07	16	12	9	150	20	11	8°				●	●	225614
C12Q-SDQCR/L07	16	12	9	180	20	11	8°				●	●	225616
C14M-SDQCR/L07	18	14	10	150	25	13	8°				●	●	225618
C16M-SDQCR/L07	20	16	11	150	25	15	6°	DC..11T3..	M4×8	T15	●	●	225620
C16R-SDQCR/L07	20	16	11	200	25	15	6°				●	●	225622
C16M-SDQCR/L11	20	16	11	150	25	15	6°				●	●	225624
C16R-SDQCR/L11	20	16	11	200	25	15	6°				●	●	225626
C20R-SDQCR/L11	23	20	13	200	30	19	6°	DC..11T3..	M4×8	T15	●	●	225628
C20S-SDQCR/L11	23	20	13	250	30	19	6°				●	●	225630
C25R-SDQCR/L11	31	25	16	200	35	24	4°				●	●	225632
C25S-SDQCR/L11	31	25	16	250	35	24	4°				●	●	225634

后车削

小径切槽
切断
螺纹

小孔加工

滚花
车花

焊接
车刀
夹头

S. . SDZCR

钢柄
Steel

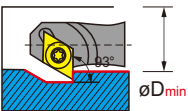


C. . SDZCR

钨钢柄
Carbide



内孔车削
Internal Turning



图示方向 (R) R-Type

刀片 (Inserts): A21-A22 零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	øD _{min}	ød	f	L	L1	H	α°				R	L	
S10K-SDZCR/L07	15	10	8.5	125	28	9	12°	DC..0702..	M2.5×6	T8	●	●	225700
S12M-SDZCR/L07	18	12	9.5	150	30	11	10°				●	●	225702
S16Q-SDZCR/L07	24	16	11.5	180	30	15	8°				●	●	225704
S16Q-SDZCR/L11	25	16	13.3	180	35	15	10°				●	●	225705
S20R-SDZCR/L11	28	20	14.5	200	40	19	8°	DC..11T3..	M4×8	T15	●	●	225706
S25S-SDZCR/L11	34	25	17	250	45	24	6°				●	●	225708
S32B-SDZCR/L11	38	32	20.5	300	50	30	4°				●	●	225710

碳化钨钢防震刀杆 (防震效果>8倍柄径)

Carbide Steel Shock-Proof Toolholder(Shock-Proof Effect > 8 Times Toolholder Diameter)

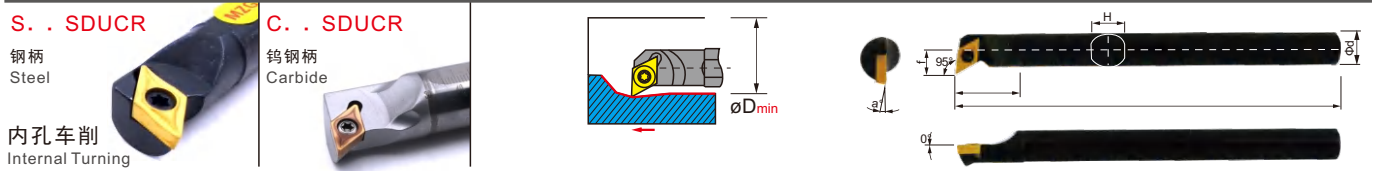
C10M-SDZCR/L07	14	10	8.5	150	15	9	12°	DC..0702..	M2.5×6	T8	●	●	225712
C12M-SDZCR/L07	17	12	10.5	150	20	11	10°				●	●	225714
C16R-SDZCR/L07	21	16	12.5	200	25	15	8°				●	●	225716
C20R-SDZCR/L11	26	20	15.5	200	30	19	8°				●	●	225718
C20S-SDZCR/L11	26	20	15.5	250	30	19	8°	DC..11T3..	M4×8	T15	●	●	225720
C25R-SDZCR/L11	33	25	18	200	35	24	6°				●	●	225722
C25S-SDZCR/L11	33	25	18	250	35	24	6°				●	●	225724

端面切槽

阻尼
模组

内孔车削

S 型锁紧内孔车刀 S Type Internal Turning Tool



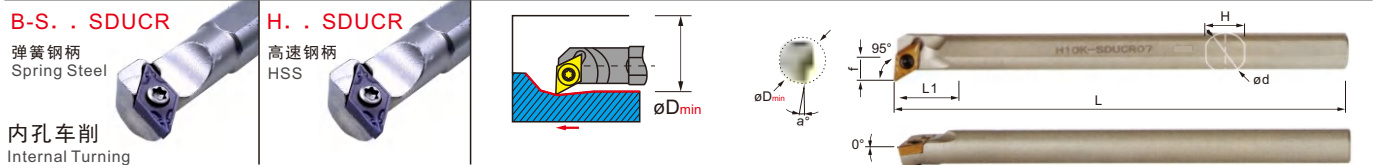
刀片 (Inserts): A21-A22 零配件 (Toolholder Parts): P03-P05

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕd	f	L	L1	H	α°				R	L	
S08K-SDUCR/L07	13	8	6.5	125	20	7	12°	DC..0702..	M2.5×6	T8	●	●	225500
S10K-SDUCR/L07	15	10	8	125	25	9	10°				●	●	225502
S12M-SDUCR/L07	17	12	9	150	28	11	8°				●	●	225504
S14N-SDUCR/L07	17	14	9	160	28	13	8°				●	●	225505
S16Q-SDUCR/L07	22	16	11	180	30	15	6°				●	●	225506
S16Q-SDUCR/L11	22	16	11	180	30	15	6°	DC..11T3..	M4×8	T15	●	●	225508
S18Q-SDUCR/L11	24	18	13	180	40	17	6°				●	●	225509
S20R-SDUCR/L11	32	20	16	200	40	19	6°				●	●	225510
S25S-SDUCR/L11	39	25	20	150	40	24	4°				●	●	225512
S32B-SDUCR/L11	50	32	24	300	45	30	4°				●	●	225514

碳化钨防震刀杆 (防震效果>8倍柄径) Carbide Steel Shock-Proof Toolholder (Shock-Proof Effect > 8 Times Toolholder Diameter)

C10M-SDUCR/L07	13	10	7	150	15	9	10°	DC..0702..	M2.5×6	T8	●	●	225516
C12M-SDUCR/L07	16	12	9	150	20	11	8°				●	●	225518
C12Q-SDUCR/L07	16	12	9	180	20	11	8°				●	●	225520
C14M-SDUCR/L07	18	14	10	150	25	13	8°				●	●	225522
C16M-SDUCR/L07	20	16	11	150	25	15	6°				●	●	225524
C16R-SDUCR/L07	20	16	11	200	25	15	6°	●	●	225526			
C16M-SDUCR/L11	20	16	11	150	25	15	6°	DC..11T3..	M4×8	T15	●	●	225528
C16R-SDUCR/L11	20	16	11	200	25	15	6°				●	●	225530
C20R-SDUCR/L11	23	20	12.5	200	30	19	6°				●	●	225532
C20S-SDUCR/L11	23	20	12.5	250	30	19	6°				●	●	225534
C25R-SDUCR/L11	31	25	16	200	35	24	4°				●	●	225536
C25S-SDUCR/L11	31	25	16	250	35	24	4°	●	●	225538			



刀片 (Inserts): A21-A22 零配件 (Toolholder Parts): P03-P05

图示方向 (R) R-Type

弹簧钢防震刀杆 (防震效果>4倍柄径) Spring Steel Shock-Proof Toolholder (Shock-Proof Effect > 4 Times Toolholder Diameter)

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕd	f	L	L1	H	α°				R	L	
B-S08K-SDUCR/L07	13	8	6.5	125	20	7	12°	DC..0702..	M2.5×6	T8	●	●	225550
B-S10K-SDUCR/L07	15	10	8	125	25	9	10°				●	●	225552
B-S12M-SDUCR/L07	17	12	9	150	28	11	8°				●	●	225554
B-S14N-SDUCR/L07	17	14	9	160	28	13	8°				●	●	225555
B-S16Q-SDUCR/L07	22	16	11	180	30	15	6°				●	●	225556
B-S16Q-SDUCR/L11	22	16	11	180	30	15	6°	DC..11T3..	M4×8	T15	●	●	225558
B-S18Q-SDUCR/L11	24	18	13	180	40	17	6°				●	●	225559
B-S20R-SDUCR/L11	32	20	16	200	40	19	6°				●	●	225560
B-S25S-SDUCR/L11	39	25	20	150	40	24	4°				●	●	225562

高速钢防震刀杆 (防震效果>5倍柄径) High-Speed Steel Shock-Proof Toolholder (Shock-Proof Effect > 5 Times Toolholder Diameter)

H08K-SDUCR/L07	13	8	6.5	125	20	7	12°	DC..0702..	M2.5×6	T8	●	●	225570
H10K-SDUCR/L07	15	10	8	125	25	9	10°				●	●	225572
H12M-SDUCR/L07	17	12	9	150	28	11	8°				●	●	225574
H14N-SDUCR/L07	17	14	9	160	28	13	8°				●	●	225575
H16Q-SDUCR/L07	22	16	11	180	30	15	6°				●	●	225576
H16Q-SDUCR/L11	22	16	11	180	30	15	6°	DC..11T3..	M4×8	T15	●	●	225578
H18Q-SDUCR/L11	24	18	13	180	40	17	6°				●	●	225579
H20R-SDUCR/L11	32	20	16	200	40	19	6°				●	●	225580
H25S-SDUCR/L11	39	25	20	150	40	24	4°				●	●	225582

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

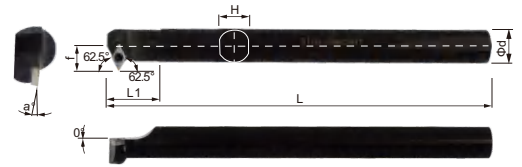
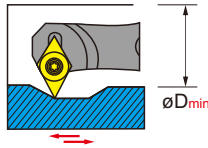
端面
切槽

阻尼
模组

- 车削刀柄
- CSV 凸轮车削刀具
- DS 刀柄
- 正面排刀
- Y轴刀柄
- 前车削
- 后车削
- 小径切槽切断螺纹
- 小孔加工
- 滚花车花
- 焊接车刀夹头
- 外圆车削
- 内孔车削
- 螺纹车削
- 切槽切断
- 端面切槽
- 阻尼模组

S. . SDWCR

钢柄
Steel



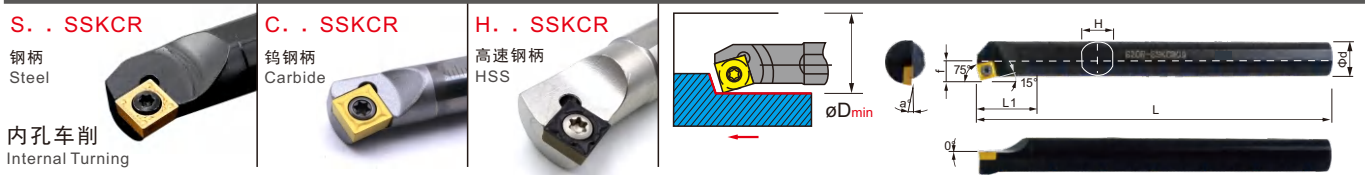
图示方向 (R) R-Type

刀片 (Inserts): A21-A22 零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕd	f	L	L1	H	α°				R	L	
S10K-SDWCR/L07	16	10	10	125	20	9	10°	DC..0702..	M2.5×6	T8	●	●	225801
S12M-SDWCR/L07	19	12	10.5	150	28	11	10°				●	●	225800
S14N-SDWCR/L07	20	14	11.5	160	30	13	10°				●	●	225803
S16Q-SDWCR/L07	23	16	12.5	180	30	15	8°				●	●	225802
S20R-SDWCR/L07	26	20	14.5	200	30	19	6°				●	●	225804
S16Q-SDWCR/L11	24	16	15	180	25	15	8°	DC..11T3..	M4×8	T15	●	●	225805
S20R-SDWCR/L11	26	20	14.5	200	40	19	6°				●	●	225806
S25S-SDWCR/L11	32	25	17	250	45	24	4°				●	●	225808
S32B-SDWCR/L11	38	32	20	300	50	30	2°				●	●	225810
高速钢防震刀杆 (防震效果>5倍柄径) High-Speed Steel Shock-Proof Toolholder (Shock-Proof Effect > 5 Times Toolholder Diameter)													
H10K-SDWCR/L07	16	10	10	125	20	9	10°	DC..0702..	M2.5×6	T8	●	●	225831
H12M-SDWCR/L07	19	12	10.5	150	28	11	10°				●	●	225830
H14N-SDWCR/L07	20	14	11.5	160	30	13	10°				●	●	225833
H16Q-SDWCR/L07	23	16	12.5	180	30	15	8°				●	●	225832
H20R-SDWCR/L07	26	20	14.5	200	30	19	6°				●	●	225834
H16Q-SDWCR/L11	24	16	15	180	25	15	8°	DC..11T3..	M4×8	T15	●	●	225835
H20R-SDWCR/L11	26	20	14.5	200	40	19	6°				●	●	225836
H25S-SDWCR/L11	32	25	17	250	45	24	4°				●	●	225838

内孔车削

S 型锁紧内孔车刀 S Type Internal Turning Tool



刀片 (Inserts): A25 零配件 (Toolholder Parts): P03-P05

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	øD _{min}	ød	f	L	L1	H	α°				R	L	
S12M-SSKCR/L09	16	12	8.5	150	30	11	12°	SC..09T3..	M4×8	T15	●	●	226800
S14N-SSKCR/L09	19	14	9.5	160	30	13	12°				●	●	226801
S16Q-SSKCR/L09	20	16	10.5	180	30	15	10°		●		●	226802	
S18Q-SSKCR/L09	22	18	11.5	180	40	17	10°		●		●	226803	
S20R-SSKCR/L09	25	20	12.5	200	40	19	8°		●		●	226804	
S25S-SSKCR/L09	31	25	15	250	40	24	6°	●	●	226806			

碳化钨钢防震刀杆 (防震效果>8倍柄径)

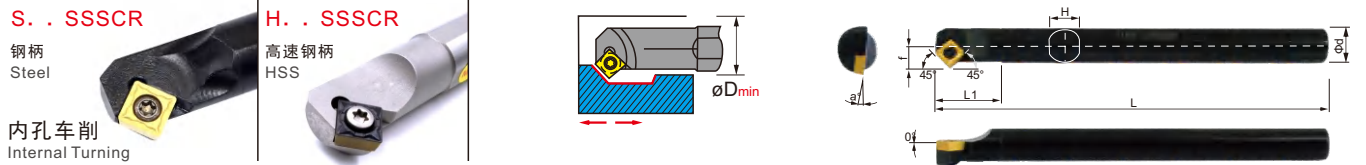
Carbide Steel Shock-Proof Toolholder (Shock-Proof Effect > 8 Times Toolholder Diameter)

C12M-SSKCR/L09	16	12	8.5	150	30	11	12°	SC..09T3..	M4×8	T15	●	●	226826
C14N-SSKCR/L09	19	14	9.5	160	30	13	12°				●	●	226828
C16Q-SSKCR/L09	20	16	10.5	180	30	15	10°		●		●	226830	
C18Q-SSKCR/L09	22	18	11.5	180	40	17	10°		●		●	226832	
C20R-SSKCR/L09	25	20	12.5	200	40	19	8°		●		●	226836	
C25S-SSKCR/L09	31	25	15	250	40	24	6°	●	●	226838			

高速钢防震刀杆 (防震效果>5倍柄径)

High-Speed Steel Shock-Proof Toolholder (Shock-Proof Effect > 5 Times Toolholder Diameter)

H12M-SSKCR/L09	16	12	8.5	150	30	11	12°	SC..09T3..	M4×8	T15	●	●	226856
H14N-SSKCR/L09	19	14	9.5	160	30	13	12°				●	●	226858
H16Q-SSKCR/L09	20	16	10.5	180	30	15	10°		●		●	226860	
H18Q-SSKCR/L09	22	18	11.5	180	40	17	10°		●		●	226862	
H20R-SSKCR/L09	25	20	12.5	200	40	19	8°		●		●	226866	
H25S-SSKCR/L09	31	25	15	250	40	24	6°	●	●	226868			



刀片 (Inserts): A25 零配件 (Toolholder Parts): P03-P05

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	øD _{min}	ød	f	L	L1	H	α°				R	L	
S12M-SSSCR/L09	16	12	8.5	150	30	11	12°	SC..09T3..	M4×8	T15	●	●	226700
S14N-SSSCR/L09	19	14	9.5	160	30	13	12°				●	●	226701
S16Q-SSSCR/L09	20	16	11.5	180	35	15	10°		●		●	226702	
S18Q-SSSCR/L09	22	18	12.5	180	40	17	10°		●		●	226703	
S20R-SSSCR/L09	26	20	13.5	200	40	19	8°		●		●	226704	
S25S-SSSCR/L09	32	25	16	250	40	24	6°	●	●	226706			
S32B-SSSCR/L09	38	32	19.5	300	45	30	4°	●	●	226708			

高速钢防震刀杆 (防震效果>5倍柄径)

High-Speed Steel Shock-Proof Toolholder (Shock-Proof Effect > 5 Times Toolholder Diameter)

H12M-SSSCR/L09	16	12	8.5	150	30	11	12°	SC..09T3..	M4×8	T15	●	●	226730
H14N-SSSCR/L09	19	14	9.5	160	30	13	12°				●	●	226731
H16Q-SSSCR/L09	20	16	11.5	180	35	15	10°		●		●	226732	
H18Q-SSSCR/L09	22	18	12.5	180	40	17	10°		●		●	226733	
H20R-SSSCR/L09	26	20	13.5	200	40	19	8°		●		●	226734	
H25S-SSSCR/L09	32	25	16	250	40	24	6°	●	●	226736			

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

车削刀柄

CSV
凸轮车削刀具

DS
刀柄

正面排刀

Y轴刀柄

前车削

后车削

小径切槽切断螺纹

小孔加工

滚花车花

焊接车刀夹头

外圆车削

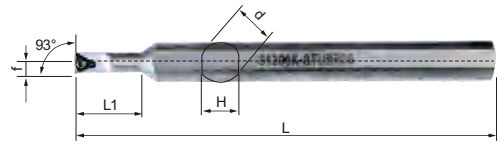
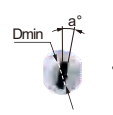
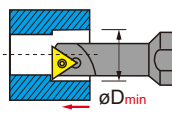
内孔车削

螺纹车削

切槽切断

端面切槽

阻尼模组



内孔车削
Internal Turning

图示方向 (R) R-Type

刀片 (Inserts): A27-A28 零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕd	f	L	L1	H	α°				R	L	
S06H-STUBR/L06	7	6	4	100	15	5.4	12°	TB..0601..	M2×4	T6	●	●	226001
S0806H-STUBR/L06	7	8	3.5	110	20	7	12°				●	●	226000
S1006K-STUBR/L06	7	10	3.5	125	20	9	12°				●	●	226002
S1207K-STUBR/L06	8	12	4	125	25	11	12°				●	●	226004
S1607M-STUBR/L06	7	16	4	125	20	15	12°				●	●	226005
S1607M-STUBR/L06	8	16	4	150	25	15	12°				●	●	226006

碳化钨钢防震刀杆 (防震效果>8倍柄径) Carbide Steel Shock-Proof Toolholder(Shock-Proof Effect > 8 Times Toolholder Diameter)

C06J-STUBR/L06-07	7	6	3.5	110	10	5.5	12°	TB..0601..	M2×4	T6	●	●	226008
C07J-STUBR/L06-08	8	7	4	110	12	6	12°				●	●	226010
C08K-STUBR/L06-09	9	8	4.5	125	15	7	12°				●	●	226012

碳化钨钢防震刀杆 (防震效果>8倍柄径) Carbide Steel Shock-Proof Toolholder(Shock-Proof Effect > 8 Times Toolholder Diameter)

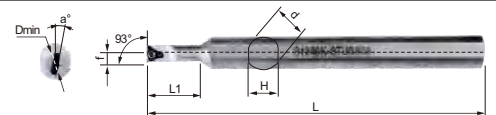
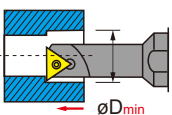
C0807K-STUBR06-08	8	8	4	125	15	7	12°	TB..0601..	M2×4	T6	●	●	226014
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碳化钨钢带水孔防震刀杆 (防震效果>8倍柄径) Carbide Steel Shock-Proof Hollow Toolholder(Shock-Proof Effect > 8 Times Toolholder Diameter)

E06J-STUBR06/L-07	7	6	3.5	110	10	5	12°	TB..0601..	M2×4	T6	●	●	226016
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高速钢防震刀杆 (防震效果>5倍柄径) High-Speed Steel Shock-Proof Toolholder (Shock-Proof Effect > 5 Times Toolholder Diameter)

H06H-STUBR/L06	7	6	4	100	15	5.4	12°	TB..0601..	M2×4	T6	●	●	226020
H0806H-STUBR/L06	7	8	3.5	110	20	7	12°				●	●	226022
H1006K-STUBR/L06	7	10	3.5	125	20	9	12°				●	●	226024
H1207K-STUBR/L06	8	12	4	125	25	11	12°				●	●	226026
H1607M-STUBR/L06	7	16	4	125	20	15	12°				●	●	226028
H1607M-STUBR/L06	8	16	4	150	25	15	12°				●	●	226030



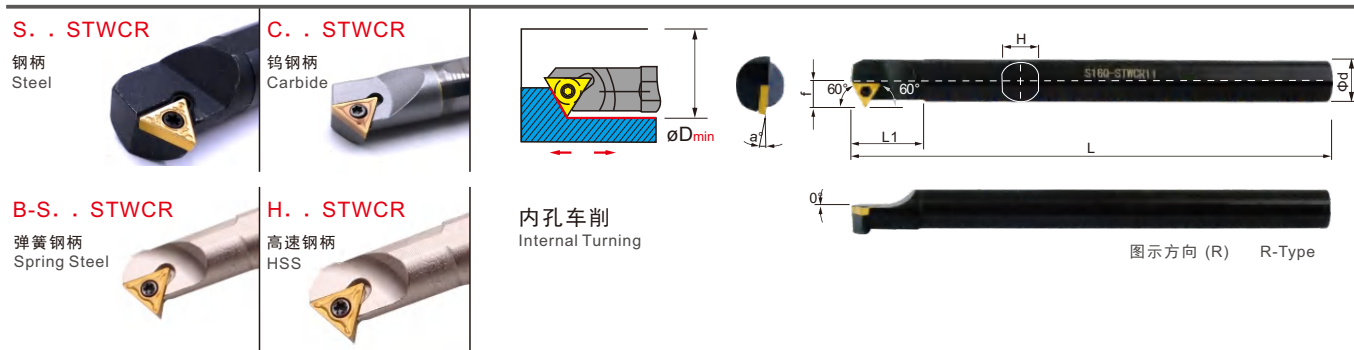
刀片 (Inserts): A27-A28 零配件 (Toolholder Parts): P03-P05

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕd	f	L	L1	H	α°				R	L	
S07K-STUPR/L08-A12	9	12	4.5	125	25	11	12°	TP..0802..	M2.2×6	T6	●	●	226300
S08M-STUPR/L08-A16	10	16	5	150	28	15	13°				●	●	226302
S10M-STUPR/L11-A16	12	16	6	150	30	15	12°				●	●	226301
S12M-STUPR/L11-A16	14	16	7	150	33	15	10°	TP..1103..	M3×8	T8	●	●	226303
S08K-STUCR/L09-A12	10	12	5.5	125	28	11	15°				●	●	226304
S08M-STUCR/L09-A16	10	16	5.5	150	28	15	10°				●	●	226306
S10M-STUCR/L11-A16	12	16	6	150	30	15	12°	TC..1102..	M2.5×6	T8	●	●	226308
S12M-STUCR/L11-A16	14	16	7	150	33	15	10°				●	●	226310

内孔车削

S 型锁紧内孔车刀 S Type Internal Turning Tool



刀片 (Inserts): A27-A28 零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕd	f	L	L1	H	α°				R	L	
S08K-STWCR/L09	11	8	5.5	125	25	7	12°	TC..0902..	M2.2×6	T6	●	●	226600
S10K-STWCR/L11	14	10	8	125	25	9	10°	TC..1102..	M2.5×7	T8	●	●	226602
S12M-STWCR/L11	16	12	9	150	30	11	8°				●	●	226604
S16Q-STWCR/L11	20	16	11	180	30	15	6°				●	●	226606
S20R-STWCR/L11	25	20	13	200	35	19	4°				●	●	226608
S20R-STWCR/L16	25	20	13	200	35	19	4°	TC..16T3..	M4×10	T15	●	●	226610
S25S-STWCR/L16	32	25	15	250	40	24	2°				●	●	226612

碳化钨钢防震刀杆 (防震效果>8倍柄径)

Carbide Steel Shock-Proof Toolholder (Shock-Proof Effect > 8 Times Toolholder Diameter)

C08K-STWCR/L09	11	8	5.5	125	15	7	12°	TC..0902..	M2.2×6	T6	●	●	226614
C10M-STWCR/L11	14	10	8	150	20	9	10°	TC..1102..	M2.5×7	T8	●	●	226616
C12M-STWCR/L11	16	12	9	150	20	11	8°				●	●	226618
C16R-STWCR/L11	20	16	11	200	25	15	6°				●	●	226620
C20R-STWCR/L11	25	20	13	200	30	19	4°				●	●	226622
C20S-STWCR/L11	25	20	13	250	30	19	4°	●	●	226624			

弹簧钢防震刀杆 (防震效果>4倍柄径)

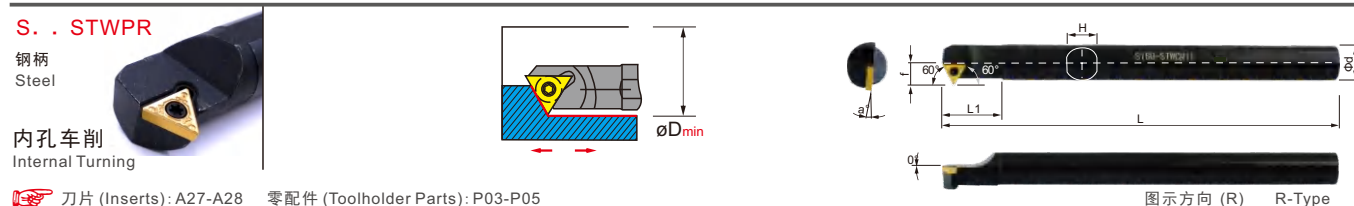
Spring Steel Shock-Proof Toolholder (Shock-Proof Effect > 4 Times Toolholder Diameter)

B-S08K-STWCR/L09	11	8	5.5	125	25	7	12°	TC..0902..	M2.2×6	T6	●	●	226650
B-S10K-STWCR/L11	14	10	8	125	25	9	10°	TC..1102..	M2.5×7	T8	●	●	226652
B-S12M-STWCR/L11	16	12	9	150	30	11	8°				●	●	226654
B-S16Q-STWCR/L11	20	16	11	180	30	15	6°				●	●	226656
B-S20R-STWCR/L11	25	20	13	200	35	19	4°				●	●	226658
B-S20R-STWCR/L16	25	20	13	200	35	19	4°	TC..16T3..	M4×10	T15	●	●	226660
B-S25S-STWCR/L16	32	25	15	250	40	24	2°				●	●	226662

高速钢防震刀杆 (防震效果>5倍柄径)

High-Speed Steel Shock-Proof Toolholder (Shock-Proof Effect > 5 Times Toolholder Diameter)

H08K-STWCR/L09	11	8	5.5	125	25	7	12°	TC..0902..	M2.2×6	T6	●	●	226670
H10K-STWCR/L11	14	10	8	125	25	9	10°	TC..1102..	M2.5×7	T8	●	●	226672
H12M-STWCR/L11	16	12	9	150	30	11	8°				●	●	226674
H16Q-STWCR/L11	20	16	11	180	30	15	6°				●	●	226676
H20R-STWCR/L11	25	20	13	200	35	19	4°				●	●	226678
H20R-STWCR/L16	25	20	13	200	35	19	4°	TC..16T3..	M4×10	T15	●	●	226680
H25S-STWCR/L16	32	25	15	250	40	24	2°				●	●	226682



刀片 (Inserts): A27-A28 零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕd	f	L	L1	H	α°				R	L	
S08K-STWPR/L09	11	8	5.5	125	25	7	12°	TP..0902..	M2.5×6	T8	●	●	226650
S10K-STWPR/L11	14	10	8	125	25	9	10°	TP..1102..	M3×8	T10	●	●	226652
S12M-STWPR/L11	16	12	9	150	30	11	8°				●	●	226654
S16Q-STWPR/L11	20	16	11	180	30	15	6°				●	●	226656
S20R-STWPR/L11	25	20	13	200	35	19	4°				●	●	226658

车削刀柄

CSV 凸轮车床刀具

DS 刀柄

正面排刀

Y轴刀柄

前车削

后车削

小径切槽切断螺纹

小孔加工

滚花车花

焊接车刀夹头

外圆车削

内孔车削

螺纹车削

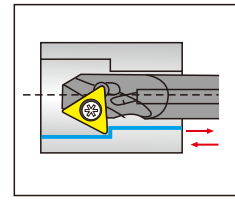
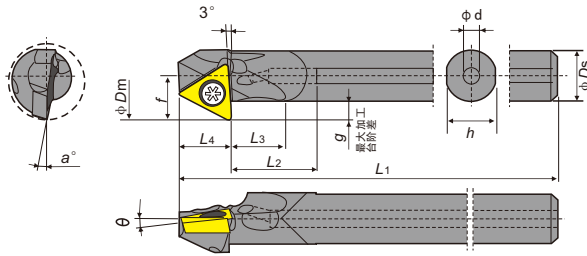
切槽切断

端面切槽

阻尼模组

C-STZP(C)型(内部给油型)

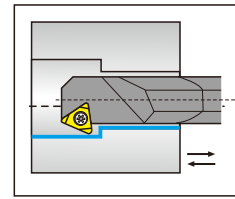
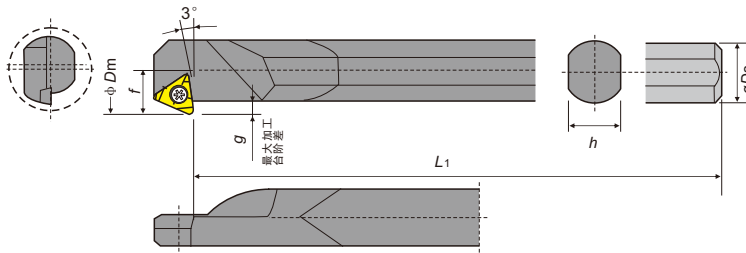
C-STZP (C) type (internal oil supply type)



- 从背面向正前方加工时使用右手刀(R)
 - 从正前方向背面加工时使用左手刀(L)
 - 图示为右手刀
- Use a right-hand knife when machining from the back to the front (R)
Use a left hand knife (L) when machining from the front to the back
Right hand knife shown

Fig.1

B-STZ型 B-STZ type



- 从背面向正前方加工时使用右手刀(R)
 - 从正前方向背面加工时使用左手刀(L)
 - 图示为右手刀
- Use a right-hand knife when machining from the back to the front (R)
Use a left hand knife (L) when machining from the front to the back
Right hand knife shown

Fig.2

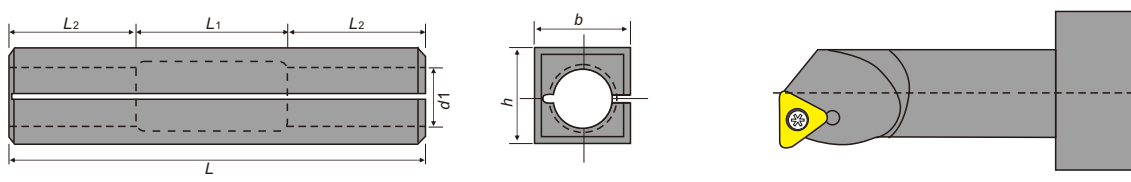
最小加工直径 Ø10~

Minimum machining diameter Ø 10~

刀片 (Inserts): A27-A28 零配件 (Toolholder Parts): P03-P05

刀杆形状 Cutter bar shape	刀杆型号 Cutter bar model	最小加工直径 (mm) φDm	最大加工台阶差 (mm) g	尺寸 (mm) Dimensions (mm)										适用刀片 Suitable blade	零部件 Components and parts			库存 Stock	编码 Encoded
				φDs	h1	L1	f	L2	L3	L4	φd	θ	a		基准刀角 r	紧固螺丝 Fastening screw	扳手 Spanner		
Fig.1	C06H-STZCR 06D10-OH	10.0	2.5	6.0	5.8	100	5.5	10.5	6	6.0	2.0	0°	10°	0.2	TC□□0601	MS-2*4	CLR-135(A)	●	
	C06H-STZCR 09D12-OH	12.0	3.0	8.0	7.7	125	7.0	13.5	8.5	8.3	2.5	5°	10°	0.4	TP□□0902	MS-2.5*4.8	CLR-155(A)	●	
	C06H-STZCR 09D14-OH	14.0	3.0	10.0	9.6	150	8.0	18.5	12	8.3	2.5	5°	7°	0.4	TP□□0902	MS-2.5*4.8	CLR-155(A)	●	
Fig.2	C06H-STZCR 11D175-OH	17.5	4.5	12.0	11.5	150	10.5	22	14.5	9.6	3.0	5°	5°	0.4	TP□□1103	MS-3*5.8	LLR-205(A)	●	
	B06J-STZCR-06-N	10.0	2.5	6.0	5.2	110	5.5							0.2	TC□□0601	MS-2*4.4	CLR-135(A)	●	
	B12J-STZCR-09-N	16.0	3.0	12.0	11.0	180	9.0							0.2	TC□□0902	MS-2.5*6.8	CLR-155(A)	●	

镗杆连接件 Boring bar connection



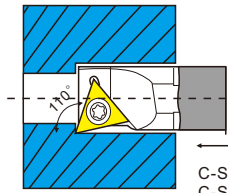
将镗杆、刀柄安装至刀座的连接件。尤其是使用硬质合金镗杆、刀柄时可防止刀柄折损。

Install the boring bar and tool handle to the connecting piece of the tool holder.
Especially when using carbide boring rods and tool handles, it can prevent the tool handle from being damaged.

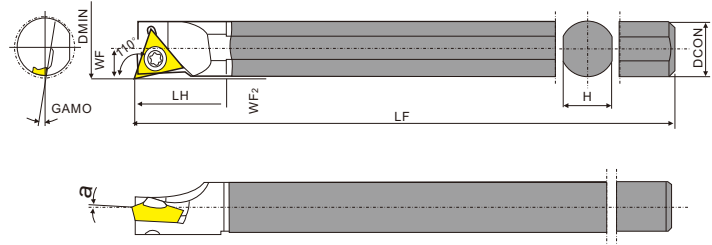
连接件型号 Connector model	尺寸 (mm) Dimensions (mm)						适用刀杆 Applicable cutter bar	库存 Stock	编码 Encoded
	h1	b	L	L1	L2	d1			
S06-H	20	20	60	20	20	6	φ6刀杆用 φ6 Cutter bars	●	
S08-H	20	20	60	20	20	8	φ8刀杆用 φ8 Cutter bars	●	
S10-H	20	20	60	20	20	10	φ10刀杆用 φ10 Cutter bars	●	
S12-H	25	25	70	20	25	12	φ12刀杆用 φ12 Cutter bars	●	

C-STXP(B) 硬质合金抗振刀杆(内径·内径端面加工)

最大悬伸量L/D≈7



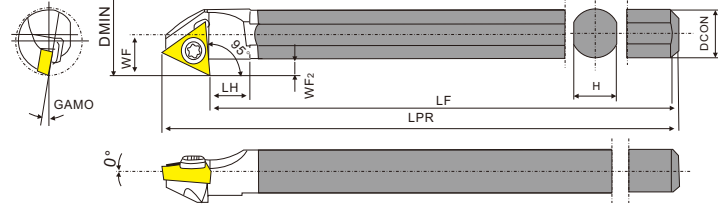
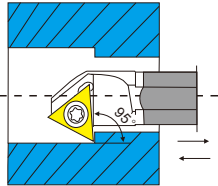
●本图为右手(R)



右手(R)刀杆适用左手(L)刀片, 左手(L)刀杆适用右手(R)刀片。

C-STZB 硬质合金抗振刀杆(背镗加工)

最大悬伸量L/D≈7



●本图为右手(R) ●This picture is right hand(R)

右手(R)刀杆适用左手(L)刀片, 左手(L)刀杆适用右手(R)刀片。

The right hand (R) tool bar is suitable for the left hand (L) blade, and the left hand (L) tool bar is suitable for the right hand (R) blade

※使用右手(R)刀杆从背面往前加工时(→方向)使用右手(R)刀片。从面前往里加工时(方向)使用左手(L)刀片。

※ Use the right hand (R) tool bar from the back to the front processing (→ direction) use the right hand (R) blade. Use the left hand (L) blade to add hours (direction) from the front

刀片 (Inserts): A27-A28 零配件 (Toolholder Parts): P03-P05

型号 Model number	库存 inventory		最小加工径 Minimum machining diameter	尺寸 dimension							GAMO	标准刀尖R (RE) Standard tip R (RE)	零件 parts	
	R	L		DMIN	DCON	H	LPR	LF	LH	WF			WF ₂	紧固螺钉 Fastening screw
C06J-STXB ^{R/L} 06-075	●	●	7.5	6	5.4	-	110	11	3.75	0.5	10°	0.03	SB-1STR	FT-6
C08X-STXP ^{R/L} 08-09	●	●	9.0	8	7.0	-	143	14	4.6				SB-1TR	
C10X-STXP ^{R/L} 09-11	●	●	11.0	10	9.0	-	164	17	5.6				SB-2TR	FT-8
C06J-STZB ^{R/L} 06-085	●	●	8.5	6	5.4	110	104.3	5	5.1				1.8	SB-1STR

C-STXP(B) 镗刀杆切削参数示例(加工材料 35CrMo)

刀杆型号 Tool holder type	刀片型号(材质) Blade type (material)	V _c (m/min)	ap (mm)	f (mm/rev)	冷却液 coolant
C06J-STXB ^{R/L} 06-075	TBGT0601003 ^{L/R} (ZP15)	30~100	0.02~0.1	0.02~0.04	有
C08X-STXP ^{R/L} 08-09	TPGH080201 ^{L/R} (ZP15)	30~100	0.05~0.15	0.03~0.08	有
C10X-STXP ^{R/L} 09-11	TPGH090201 ^{L/R} (ZP15)	30~100	0.05~0.15	0.03~0.08	有

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

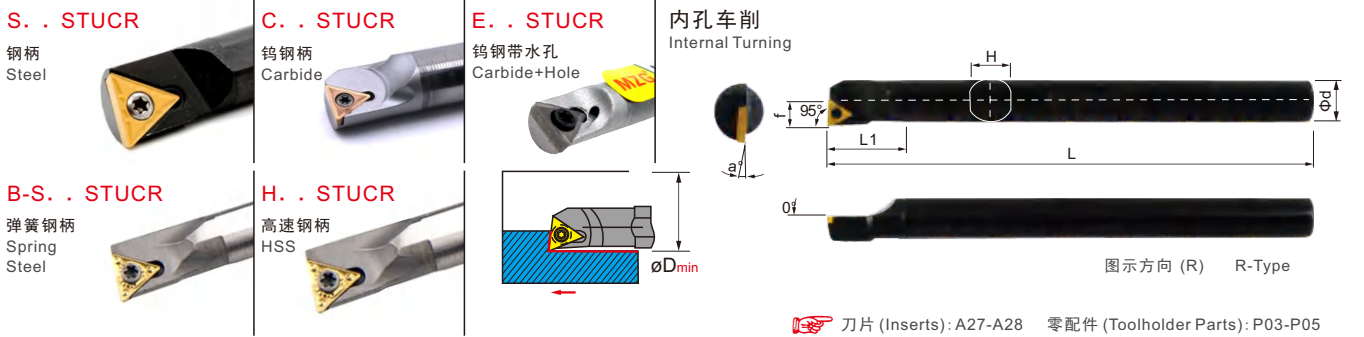
内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组



刀片 (Inserts): A27-A28 零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	φD _{min}	φd	f	L	L1	H	α°				R	L	
S08K-STUCR/L09B	10	8	5	125	23	7	15°	TC..0902..	M2.5×6	T8	●	●	226101
S10K-STUCR/L09B	12	10	6	125	24	9	13°				●	●	226103
S08K-STUCR/L09	10	8	5	125	23	7	15°				●	●	226100
S10K-STUCR/L09	12	10	6	125	24	9	13°	TC..0902..	M2.2×6	T6	●	●	226102
S12M-STUCR/L09	14	12	7	150	27	11	10°				●	●	226104
S10K-STUCR/L11	12	10	6	125	24	9	12°				●	●	226106
S12M-STUCR/L11	14	12	7	150	27	11	10°	TC..1102..	M2.5×6	T8	●	●	226108
S14Q-STUCR/L11	16	14	8	180	30	13	9°				●	●	226110
S16Q-STUCR/L11	18	16	9	180	30	15	8°				●	●	226112
S20R-STUCR/L11	23	20	11	200	35	19	6°				●	●	226114
S25S-STUCR/L11	28	25	13.5	250	40	24	4°				●	●	226116
S16Q-STUCR/L16	18	16	9.5	180	28	15	10°	TC..16T3..	M4×10	T15	●	●	226117
S20R-STUCR/L16	23	20	11.5	200	40	19	8°				●	●	226118
S25S-STUCR/L16	28	25	14	250	40	24	6°				●	●	226120
S32B-STUCR/L16	35	32	17.5	300	45	30	4°				●	●	226122
碳化钨钢防震刀杆 (防震效果>8倍柄径) Carbide Steel Shock-Proof Toolholder(Shock-Proof Effect > 8 Times Toolholder Diameter)													
C08K-STUCR/L09	10	8	5	125	12	7	15°	TC..0902..	M2.2×6	T6	●	●	226126
C10M-STUCR/L09	12	10	6	150	15	9	13°				●	●	226128
C12M-STUCR/L09	14	12	7	150	20	11	10°				●	●	226130
C12Q-STUCR/L09	14	12	7	180	20	11	10°	TC..1102..	M2.5×6	T8	●	●	226132
C10M-STUCR/L11	12	10	6	150	15	9	12°				●	●	226134
C12M-STUCR/L11	14	12	7	150	20	11	10°				●	●	226136
C12Q-STUCR/L11	14	12	7	180	20	11	10°				●	●	226138
C14M-STUCR/L11	16	14	8	150	20	13	9°				●	●	226140
C16M-STUCR/L11	18	16	9	150	25	15	8°	TC..1102..	M2.5×6	T8	●	●	226142
C16R-STUCR/L11	18	16	9	200	25	15	8°				●	●	226144
C20R-STUCR/L11	22	20	11	200	30	19	6°				●	●	226146
C20S-STUCR/L11	22	20	11	250	30	19	6°				●	●	226148
C25R-STUCR/L11	32	25	16	200	35	24	4°				●	●	226150
C25S-STUCR/L11	32	25	16	250	35	24	4°	●	●	226152			
碳化钨钢带水孔防震刀杆 (防震效果>8倍柄径) Carbide Steel Shock-Proof Hollow Toolholder(Shock-Proof Effect > 8 Times Toolholder Diameter)													
E08K-STUCR/L09	10	8	5	125	12	7	15°	TC..0902..	M2.2×6	T6	●	●	226156
E10M-STUCR/L11	12	10	6	150	15	9	13°				●	●	226158
E12M-STUCR/L11	14	12	7	150	20	11	10°				●	●	226160
E12Q-STUCR/L11	14	12	7	180	20	11	10°	TC..1102..	M2.5×6	T8	●	●	226162
E16R-STUCR/L11	18	16	9	200	25	15	8°				●	●	226164
E20R-STUCR/L11	22	20	11	200	30	19	6°				●	●	226166
E20S-STUCR/L11	22	20	11	250	35	19	6°				●	●	226168
弹簧钢防震刀杆 (防震效果>4倍柄径) Spring Steel Shock-Proof Toolholder (Shock-Proof Effect > 4 Times Toolholder Diameter)													
B-S08K-STUCR/L09	10	8	5	125	23	7	15°	TC..0902..	M2.5×6	T8	●	●	226170
B-S10K-STUCR/L09	12	10	6	125	24	9	13°				●	●	226172
B-S12M-STUCR/L09	14	12	7	150	27	11	10°				●	●	226174
B-S10K-STUCR/L11	12	10	6	125	24	9	12°	TC..1102..	M2.5×6	T8	●	●	226176
B-S12M-STUCR/L11	14	12	7	150	27	11	10°				●	●	226178
B-S14Q-STUCR/L11	16	14	8	180	30	13	9°				●	●	226180
B-S16Q-STUCR/L11	18	16	9	180	30	15	8°				●	●	226182
B-S20R-STUCR/L11	23	20	11	200	35	19	6°				●	●	226184
B-S25S-STUCR/L11	28	25	13.5	250	40	24	4°	●	●	226186			
高速钢防震刀杆 (防震效果>5倍柄径) High-Speed Steel Shock-Proof Toolholder (Shock-Proof Effect > 5 Times Toolholder Diameter)													
H08K-STUCR/L09	10	8	5	125	23	7	15°	TC..0902..	M2.5×6	T8	●	●	226188
H10K-STUCR/L09	12	10	6	125	24	9	13°				●	●	226190
H12M-STUCR/L09	14	12	7	150	27	11	10°				●	●	226191
H10K-STUCR/L11	12	10	6	125	24	9	12°	TC..1102..	M2.5×6	T8	●	●	226192
H12M-STUCR/L11	14	12	7	150	27	11	10°				●	●	226193
H14Q-STUCR/L11	16	14	8	180	30	13	9°				●	●	226194
H16Q-STUCR/L11	18	16	9	180	30	15	8°				●	●	226195
H20R-STUCR/L11	23	20	11	200	35	19	6°				●	●	226196
H25S-STUCR/L11	28	25	13.5	250	40	24	4°	●	●	226198			

内孔车削

S型锁紧内孔车刀 S Type Internal Turning Tool

S . . STUPR

钢柄
Steel



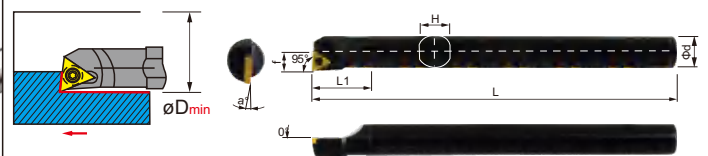
C . . STUPR

钨钢柄
Carbide



B-S . . STUPR

弹簧钢柄
Spring Steel



刀片 (Inserts): A27-A28 零配件 (Toolholder Parts): P03-P05

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number			
	ϕD_{min}	ϕd	f	L	L1	H	α°				R	L				
S08K-STUPR/L08	10	8	5	125	20	7	15°	TP..0802..	M2.2×6	T6	●	●	226201			
S10K-STUPR/L08	11	10	6	125	20	9	13°				●	●	226203			
S08K-STUPR/L09	10.5	8	5.5	125	23	7	15°				●	●	226200			
S10K-STUPR/L09	13.5	10	6.5	125	24	9	13°				●	●	226202			
S12M-STUPR/L09	16	12	7.5	150	27	11	10°				●	●	226204			
S10K-STUPR/L11	13.5	10	6.5	125	24	9	12°				TP..1103..	M3×8	T10	●	●	226206
S12M-STUPR/L11	16	12	7.5	150	27	11	10°							●	●	226208
S14Q-STUPR/L11	18	14	8.5	180	30	13	9°							●	●	226210
S16Q-STUPR/L11	20	16	9.5	180	30	15	8°							●	●	226212
S20R-STUPR/L11	25	20	11.5	200	35	19	6°	●	●	226214						
S25S-STUPR/L11	31	25	14	250	40	24	4°	●	●	226216						
S20R-STUPR/L16	25	20	12	200	40	19	8°	TP..1603..	M4×8	T15	●	●	226218			
S25S-STUPR/L16	31	25	14.5	250	40	24	6°				●	●	226220			
S32B-STUPR/L16	39	32	18	300	45	30	4°				●	●	226222			
碳化钨钢防震刀杆 (防震效果>8倍柄径) Carbide Steel Shock-Proof Toolholder(Shock-Proof Effect > 8 Times Toolholder Diameter)																
C08K-STUPR/L09	10	8	5.5	125	15	7	15°				TP..0902..	M2.5×6	T8	●	●	226224
C10M-STUPR/L09	12	10	6.5	150	15	9	13°	●	●	226226						
C12M-STUPR/L09	14	12	7.5	150	20	11	10°	●	●	226228						
C12Q-STUPR/L09	14	12	7.5	180	20	11	10°	●	●	226230						
C10M-STUPR/L11	12	10	6.5	150	15	9	12°	●	●	226232						
C12M-STUPR/L11	14	12	7.5	150	20	11	10°	●	●	226234						
C12Q-STUPR/L11	14	12	7.5	180	20	11	10°	●	●	226236						
C14M-STUPR/L11	16	14	8.5	150	20	13	9°	●	●	226238						
C16M-STUPR/L11	18	16	9.5	150	25	15	8°	●	●	226240						
C16R-STUPR/L11	18	16	9.5	200	25	15	6°	●	●	226242						
C20R-STUPR/L11	22	20	11.5	200	30	19	4°	●	●	226244						
C20S-STUPR/L11	22	20	11.5	250	30	19	8°	●	●	226246						
S25R-STUPR/L11	32	25	16.5	200	35	24	6°	●	●	226248						
S25S-STUPR/L11	32	25	16.5	250	35	24	4°	●	●	226250						
碳化钨钢带水孔防震刀杆 (防震效果>8倍柄径) Carbide Steel Shock-Proof Hollow Toolholder(Shock-Proof Effect > 8 Times Toolholder Diameter)																
E08K-STUPR/L09	10	8	5.5	125	15	7	15°	TP..1103..	M3×8	T15	●	●	226252			
E10M-STUPR/L11	12	10	6.5	150	15	9	13°				●	●	226254			
E12M-STUPR/L11	14	12	7.5	150	20	11	10°				●	●	226256			
E12Q-STUPR/L11	14	12	7.5	180	20	11	10°				●	●	226258			
E16R-STUPR/L11	18	16	9.5	200	25	15	8°				●	●	226260			
E20R-STUPR/L11	22	20	11.5	200	30	19	6°				●	●	226262			
E20S-STUPR/L11	22	20	11.5	250	30	19	6°				●	●	226264			
STUP 1102型 STUP 1102 type																
S10K-STUPR/L1102	13.5	10	6.5	125	24	9	13°				TP..1102..	M3×8	T15	●	●	226266
S12M-STUPR/L1102	16	12	7.5	150	27	11	10°	●	●	226268						
S14Q-STUPR/L1102	18	14	8.5	180	30	13	9°	●	●	226270						
S16Q-STUPR/L1102	20	16	9.5	180	30	15	8°	●	●	226272						
S20R-STUPR/L1102	25	20	12	200	35	19	6°	●	●	226274						
S25S-STUPR/L1102	31	25	14.5	250	40	24	4°	●	●	226276						
弹簧钢防震刀杆 (防震效果>4倍柄径) Spring Steel Shock-Proof Toolholder (Shock-Proof Effect > 4 Times Toolholder Diameter)																
B-S08K-STUPR/L09	10	8	5	125	23	7	15°	TP..0902..	M2.5×6	T8	●	●	226278			
B-S10K-STUPR/L09	12	10	6	125	24	9	13°				●	●	226279			
B-S12M-STUPR/L09	14	12	7	150	27	11	10°				●	●	226280			
B-S10K-STUPR/L11	12	10	6	125	24	9	12°				●	●	226281			
B-S12M-STUPR/L11	14	12	7	150	27	11	10°				●	●	226282			
B-S14Q-STUPR/L11	16	14	8	180	30	13	9°				●	●	226283			
B-S16Q-STUPR/L11	18	16	9	180	30	15	8°				●	●	226284			
B-S20R-STUPR/L11	23	20	11	200	35	19	6°				●	●	226285			
B-S25S-STUPR/L11	28	25	13.5	250	40	24	4°				●	●	226286			
高速钢防震刀杆 (防震效果>5倍柄径) High-Speed Steel Shock-Proof Toolholder (Shock-Proof Effect > 5 Times Toolholder Diameter)																
H08K-STUPR/L09	10	8	5	125	23	7	15°	TP..0902..	M2.5×6	T8	●	●	226188			
H10K-STUPR/L09	12	10	6	125	24	9	13°				●	●	226190			
H12M-STUPR/L09	14	12	7	150	27	11	10°				●	●	226191			
H10K-STUPR/L11	12	10	6	125	24	9	12°				●	●	226192			
H12M-STUPR/L11	14	12	7	150	27	11	10°				●	●	226193			
H14Q-STUPR/L11	16	14	8	180	30	13	9°				●	●	226194			
H16Q-STUPR/L11	18	16	9	180	30	15	8°				●	●	226195			
H20R-STUPR/L11	23	20	11	200	35	19	6°				●	●	226196			
H25S-STUPR/L11	28	25	13.5	250	40	24	4°				●	●	226198			

车削
车刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

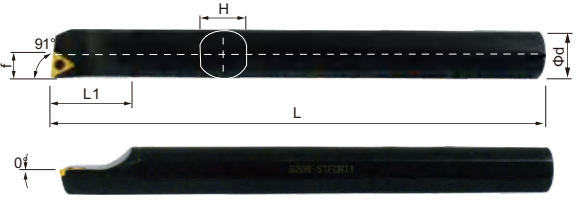
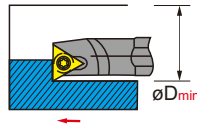
S. . STFCR

钢柄
Steel



C. . STFCR

钨钢柄
Carbide



图示方向 (R) R-Type

B-S. . STFCR

弹簧钢柄
Spring
Steel



H. . STFCR

高速钢柄
HSS



内孔车削
Internal Turning

刀片 (Inserts): A27-A28 零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕd	f	L	L1	H	α°				R	L	
S08K-STFCR/L09	10.5	8	5	125	23	7	15°	TC..0902..	M2.2×6	T6	●	●	226400
S10K-STFCR/L09	13.5	10	6	125	24	9	13°				●	●	226402
S12M-STFCR/L09	16	12	7	150	27	11	10°				●	●	226404
S10K-STFCR/L11	13.5	10	6	125	24	9	12°	TC..1102..	M2.5×6	T8	●	●	226406
S12M-STFCR/L11	16	12	7	150	27	11	10°				●	●	226408
S14Q-STFCR/L11	18	14	8	180	30	13	9°				●	●	226410
S16Q-STFCR/L11	20	16	9	180	30	15	8°				●	●	226412
S20R-STFCR/L11	25	20	11	200	35	19	6°				●	●	226414
S25S-STFCR/L11	31	25	13.5	250	40	24	4°				●	●	226416
S20R-STFCR/L16	25	20	11.5	200	40	19	8°	TC..16T3..	M4×10	T15	●	●	226418
S25S-STFCR/L16	31	25	14	250	40	24	6°				●	●	226420
S32B-STFCR/L16	39	32	17.5	300	45	30	4°				●	●	226422

碳化钨钢防震刀杆 (防震效果>8倍柄径)

Carbide Steel Shock-Proof Toolholder (Shock-Proof Effect > 8 Times Toolholder Diameter)

C08K-STFCR/L09	10	8	5	125	15	7	15°	TC..0902..	M2.2×6	T6	●	●	226424
C10M-STFCR/L09	12	10	6	150	20	9	13°				●	●	226426
C12M-STFCR/L09	14	12	7	150	20	11	10°				●	●	226428
C12Q-STFCR/L09	14	12	7	180	20	11	12°				●	●	226430
C10M-STFCR/L11	12	10	6	150	20	9	10°	TC..1102..	M2.5×6	T8	●	●	226432
C12M-STFCR/L11	14	12	7	150	20	11	9°				●	●	226434
C12Q-STFCR/L11	14	12	7	180	20	11	8°				●	●	226436
C14M-STFCR/L11	16	14	8	150	25	13	6°				●	●	226438
C16M-STFCR/L11	18	16	9	150	25	15	4°				●	●	226440
C16R-STFCR/L11	18	16	9	200	25	15	8°				●	●	226442
C20R-STFCR/L11	22	20	11	200	30	19	6°				●	●	226444
C20S-STFCR/L11	22	20	11	250	30	19	6°				●	●	226446

弹簧钢防震刀杆 (防震效果>4倍柄径)

Spring Steel Shock-Proof Toolholder (Shock-Proof Effect > 4 Times Toolholder Diameter)

B-S08K-STFCR/L09	10	8	5	125	23	7	15°	TC..0902..	M2.5×6	T8	●	●	226450
B-S10K-STFCR/L09	12	10	6	125	24	9	13°				●	●	226452
B-S12M-STFCR/L09	14	12	7	150	27	11	10°				●	●	226454
B-S10K-STFCR/L11	12	10	6	125	24	9	12°	TC..1102..	M2.5×6	T8	●	●	226456
B-S12M-STFCR/L11	14	12	7	150	27	11	10°				●	●	226458
B-S14Q-STFCR/L11	16	14	8	180	30	13	9°				●	●	226460
B-S16Q-STFCR/L11	18	16	9	180	30	15	8°				●	●	226462
B-S20R-STFCR/L11	23	20	11	200	35	19	6°				●	●	226464
B-S25S-STFCR/L11	28	25	13.5	250	40	24	4°				●	●	226466

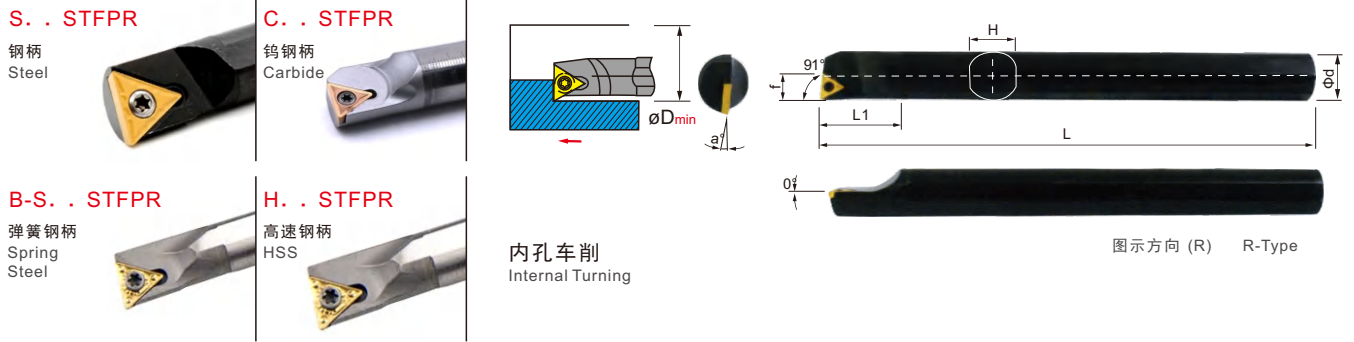
高速钢防震刀杆 (防震效果>5倍柄径)

High-Speed Steel Shock-Proof Toolholder (Shock-Proof Effect > 5 Times Toolholder Diameter)

H08K-STFCR/L09	10	8	5	125	23	7	15°	TC..0902..	M2.5×6	T8	●	●	226478
H10K-STFCR/L09	12	10	6	125	24	9	13°				●	●	226470
H12M-STFCR/L09	14	12	7	150	27	11	10°				●	●	226471
H10K-STFCR/L11	12	10	6	125	24	9	12°	TC..1102..	M2.5×6	T8	●	●	226472
H12M-STFCR/L11	14	12	7	150	27	11	10°				●	●	226473
H14Q-STFCR/L11	16	14	8	180	30	13	9°				●	●	226474
H16Q-STFCR/L11	18	16	9	180	30	15	8°				●	●	226475
H20R-STFCR/L11	23	20	11	200	35	19	6°				●	●	226476
H25S-STFCR/L11	28	25	13.5	250	40	24	4°				●	●	226478

内孔车削

S 型锁紧内孔车刀 S Type Internal Turning Tool



刀片 (Inserts): A27-A28 零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕd	f	L	L1	H	α°				R	L	
S08K-STFPR/L09	10.5	8	5.5	125	23	7	15°	TP..0902..	M2.5×6	T8	●	●	226500
S10K-STFPR/L09	13.5	10	6.5	125	24	9	13°				●	●	226502
S12M-STFPR/L09	16	12	7.5	150	27	11	10°				●	●	226504
S10K-STFPR/L11	13.5	10	6.5	125	24	9	12°				●	●	226506
S12M-STFPR/L11	16	12	7.5	150	27	11	10°				●	●	226508
S14Q-STFPR/L11	18	14	8.5	180	30	13	9°				●	●	226510
S16Q-STFPR/L11	20	16	9.5	180	30	15	8°	TP..1103..	M3×8	T10	●	●	226512
S20R-STFPR/L11	25	20	11.5	200	35	19	6°				●	●	226514
S25S-STFPR/L11	31	25	14	250	40	24	4°				●	●	226516
S20R-STFPR/L16	25	20	12	200	40	19	8°	TP..1603..	M4×8	T15	●	●	226518
S25S-STFPR/L16	31	25	14.5	250	40	24	6°				●	●	226520
S32B-STFPR/L16	39	32	18	300	45	30	4°				●	●	226522

碳化钨钢防震刀杆 (防震效果>8倍柄径) Carbide Steel Shock-Proof Toolholder (Shock-Proof Effect > 8 Times Toolholder Diameter)

C08K-STFPR/L09	10	8	5.5	125	15	7	15°	TP..0902..	M2.5×6	T8	●	●	226524
C10M-STFPR/L09	12	10	6.5	150	20	9	13°				●	●	226526
C12M-STFPR/L09	14	12	7.5	150	20	11	10°				●	●	226528
C12Q-STFPR/L09	14	12	7.5	180	20	11	12°				●	●	226530
C10M-STFPR/L11	12	10	6.5	150	20	9	10°	TP..1103..	M3×8	T10	●	●	226532
C12M-STFPR/L11	14	12	7.5	150	20	11	9°				●	●	226534
C12Q-STFPR/L11	14	12	7.5	180	20	11	8°				●	●	226536
C14M-STFPR/L11	16	14	8.5	150	25	13	6°				●	●	226538
C16M-STFPR/L11	18	16	9.5	150	25	15	4°				●	●	226540
C16R-STFPR/L11	18	16	9.5	200	25	15	8°				●	●	226542
C20R-STFPR/L11	22	20	11.5	200	30	19	6°				●	●	226544
C20S-STFPR/L11	22	20	11.5	250	30	19	6°				●	●	226546
C25S-STFPR/L16	32	25	16	250	35	24	4°	TP..1603..	M4×8	T15	●	●	226548

弹簧钢防震刀杆 (防震效果>4倍柄径) Spring Steel Shock-Proof Toolholder (Shock-Proof Effect > 4 Times Toolholder Diameter)

B-S08K-STFPR/L09	10	8	5	125	23	7	15°	TP..0902..	M2.5×6	T8	●	●	226558
B-S10K-STFPR/L09	12	10	6	125	24	9	13°				●	●	226559
B-S12M-STFPR/L09	14	12	7	150	27	11	10°				●	●	226560
B-S10K-STFPR/L11	12	10	6	125	24	9	12°	TP..1103..	M3×8	T10	●	●	226561
B-S12M-STFPR/L11	14	12	7	150	27	11	10°				●	●	226562
B-S14Q-STFPR/L11	16	14	8	180	30	13	9°				●	●	226563
B-S16Q-STFPR/L11	18	16	9	180	30	15	8°				●	●	226564
B-S20R-STFPR/L11	23	20	11	200	35	19	6°				●	●	226565
B-S25S-STFPR/L11	28	25	13.5	250	40	24	4°				●	●	226566

高速钢防震刀杆 (防震效果>5倍柄径) High-Speed Steel Shock-Proof Toolholder (Shock-Proof Effect > 5 Times Toolholder Diameter)

H08K-STFPR/L09	10	8	5	125	23	7	15°	TP..0902..	M2.5×6	T8	●	●	226578
H10K-STFPR/L09	12	10	6	125	24	9	13°				●	●	226580
H12M-STFPR/L09	14	12	7	150	27	11	10°				●	●	226581
H10K-STFPR/L11	12	10	6	125	24	9	12°	TP..1103..	M3×8	T10	●	●	226582
H12M-STFPR/L11	14	12	7	150	27	11	10°				●	●	226583
H14Q-STFPR/L11	16	14	8	180	30	13	9°				●	●	226584
H16Q-STFPR/L11	18	16	9	180	30	15	8°				●	●	226585
H20R-STFPR/L11	23	20	11	200	35	19	6°				●	●	226586
H25S-STFPR/L11	28	25	13.5	250	40	24	4°				●	●	226588

车削刀柄

CSV 凸轮机床刀具

DS 刀柄

正面排刀

Y轴刀柄

前车削

后车削

小径切槽切断螺纹

小孔加工

滚花车花

焊接车刀夹头

外圆车削

内孔车削

螺纹车削

切槽切断

端面切槽

阻尼模组

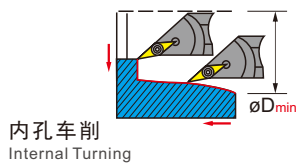
S. . SVJBR

钢柄
Steel

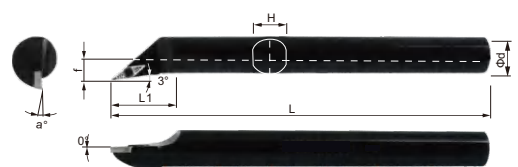


C. . SVJBR

钨钢柄
Carbide



内孔车削
Internal Turning



图示方向 (R) R-Type

刀片 (Inserts): A29-A32 零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	øD _{min}	ød	f	L	L1	H	α°				R	L	
S08H-SVJBR/L08	10	8	5	100	20	7	15°	VB..0802..	M2×4	T6	●	●	227120
S10K-SVJBR/L08	12	10	6	125	25	9	15°				●	●	227122
S10K-SVJBR/L11	12	10	6	125	25	9	12°				●	●	227124
S12M-SVJBR/L11	14	12	7	150	30	11	12°	VB..1103..	M2.5×7	T8	●	●	227126
S16Q-SVJBR/L11	22	16	11.5	180	40	15	10°				●	●	227128
S20R-SVJBR/L11	27	20	13.5	200	45	19	8°				●	●	227130
S20R-SVJBR/L16	27	20	13.5	200	50	19	10°	VB..1604..	M4×10	T15	●	●	227132
S25S-SVJBR/L16	32	25	16	250	50	24	8°				●	●	227134
S32B-SVJBR/L16	40	32	19.5	300	60	30	10°				●	●	227136
S40B-SVJBR/L16	50	40	23.5	300	65	38	8°	●	●	227138			

碳化钨钢防震刀杆 (防震效果>8倍柄径)

Carbide Steel Shock-Proof Toolholder(Shock-Proof Effect > 8 Times Toolholder Diameter)

C06J-SVJBR/L08	8.5	6	3.25	110	15	5	15°	VB..0802..	M2×4	T6	●	●	227142
C08K-SVJBR/L08	10	8	5	125	15	7	15°				●	●	227144
C10M-SVJBR/L08	12	10	6	150	20	9	15°				●	●	227146
C10M-SVJBR/L11	12	10	6	150	20	9	12°	VB..1103..	M2.5×7	T8	●	●	227148
C12M-SVJBR/L11	14	12	7	150	20	11	12°				●	●	227150
C12Q-SVJBR/L11	14	12	7	180	20	11	12°				●	●	227152
C16R-SVJBR/L11	18	16	9	200	25	15	10°	VB..1604..	M4×10	T15	●	●	227154
C20R-SVJBR/L11	22	20	11	200	30	19	8°				●	●	227156
C20S-SVJBR/L11	22	20	11	250	30	19	10°				●	●	227158
C25S-SVJBR/L16	28	25	14	200	35	24	8°	●	●	227160			

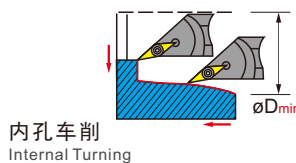
S. . SVJCR

钢柄
Steel

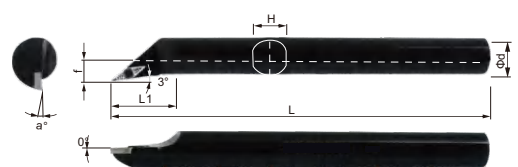


C. . SVJCR

钨钢柄
Carbide



内孔车削
Internal Turning



图示方向 (R) R-Type

刀片 (Inserts): A29-A32 零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	øD _{min}	ød	f	L	L1	H	α°				R	L	
S08H-SVJCR/L08	10	8	5	100	20	7	15°	VC..0802..	M2×4	T6	●	●	227162
S10K-SVJCR/L08	12	10	6	125	25	9	15°				●	●	227164
S10K-SVJCR/L11	12	10	6	125	25	9	12°				●	●	227166
S12M-SVJCR/L11	14	12	7	150	30	11	12°	VC..1103..	M2.5×7	T8	●	●	227168
S16Q-SVJCR/L11	22	16	11.5	180	40	15	10°				●	●	227170
S20R-SVJCR/L11	27	20	13.5	200	45	19	8°				●	●	227172
S20R-SVJCR/L16	27	20	13.5	200	50	19	10°	VC..1604..	M4×10	T15	●	●	227174
S25S-SVJCR/L16	32	25	16	250	50	24	8°				●	●	227176
S32B-SVJCR/L16	40	32	19.5	300	60	30	10°				●	●	227178
S40B-SVJCR/L16	50	40	23.5	300	65	38	8°	●	●	227180			

碳化钨钢防震刀杆 (防震效果>8倍柄径)

Carbide Steel Shock-Proof Toolholder(Shock-Proof Effect > 8 Times Toolholder Diameter)

C06J-SVJCR/L08	8.5	6	3.25	110	15	5	15°	VC..0802..	M2×4	T6	●	●	227182
C08K-SVJCR/L08	10	8	5	125	15	7	15°				●	●	227184
C10M-SVJCR/L08	12	10	6	150	20	9	15°				●	●	227186
C10M-SVJCR/L11	12	10	6	150	20	9	12°	VC..1103..	M2.5×7	T8	●	●	227188
C12M-SVJCR/L11	14	12	7	150	20	11	12°				●	●	227190
C12Q-SVJCR/L11	14	12	7	180	20	11	12°				●	●	227192
C16R-SVJCR/L11	18	16	9	200	25	15	10°	VC..1604..	M4×10	T15	●	●	227194
C20R-SVJCR/L11	22	20	11	200	30	19	8°				●	●	227196
C20S-SVJCR/L11	22	20	11	250	30	19	10°				●	●	227198
C25S-SVJCR/L16	28	25	14	200	35	24	8°	●	●	227199			

车削刀柄

CSV
凸轮车床刀具

DS
刀柄

正面排刀

Y轴刀柄

前车削

后车削

小径切槽
切断螺纹

小孔加工

滚花车花

焊接车刀
夹头

外圆车削

内孔车削

螺纹车削

切槽
切断

端面切槽

阻尼模组

内孔车削

S 型锁紧内孔车刀 S Type Internal Turning Tool

S...SVXBR

钢柄
Steel

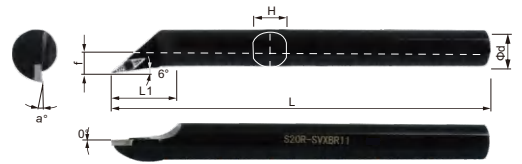
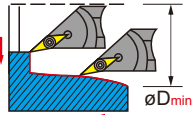


C...SVXBR

钨钢柄
Carbide



内孔车削
Internal Turning



刀片 (Inserts): A29-A32 零配件 (Toolholder Parts): P03-P05

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕd	f	L	L1	H	α°				R	L	
S08H-SVXBR/L08	10	8	5	100	20	7	15°	VB..0802..	M2×4	T6	●	●	227200
S10K-SVXBR/L08	12	10	6	125	25	9	15°				●	●	227202
S10K-SVXBR/L11	12	10	6	125	25	9	12°				●	●	227204
S12M-SVXBR/L11	14	12	7	150	30	11	12°				●	●	227206
S16Q-SVXBR/L11	22	16	11.5	180	40	15	10°	VB..1103..	M2.5×7	T8	●	●	227208
S20R-SVXBR/L11	27	20	13.5	200	45	19	8°				●	●	227210
S20R-SVXBR/L16	27	20	13.5	200	50	19	10°				●	●	227212
S25S-SVXBR/L16	32	25	16	250	50	24	8°				●	●	227214
S32B-SVXBR/L16	40	32	19.5	300	60	30	10°	VB..1604..	M4×10	T15	●	●	227216
S40B-SVXBR/L16	50	40	23.5	300	65	38	8°				●	●	227218

碳化钨钢防震刀杆 (防震效果>8倍柄径)

Carbide Steel Shock-Proof Toolholder (Shock-Proof Effect > 8 Times Toolholder Diameter)

C06J-SVXBR/L08	8.5	6	3.25	110	15	5	15°	VB..0802..	M2×4	T6	●	●	227222
C08K-SVXBR/L08	10	8	5	125	15	7	15°				●	●	227224
C10M-SVXBR/L08	12	10	6	150	20	9	15°				●	●	227226
C10M-SVXBR/L11	12	10	6	150	20	9	12°				●	●	227228
C12M-SVXBR/L11	14	12	7	150	20	11	12°	VB..1103..	M2.5×7	T8	●	●	227230
C12Q-SVXBR/L11	14	12	7	180	20	11	12°				●	●	227232
C16R-SVXBR/L11	18	16	9	200	25	15	10°				●	●	227234
C20R-SVXBR/L11	22	20	11	200	30	19	8°				●	●	227236
C20S-SVXBR/L11	22	20	11	250	30	19	10°	VB..1604..	M4×10	T15	●	●	227238
C25S-SVXBR/L16	28	25	14	200	35	24	8°				●	●	227240

S...SVXCR

钢柄
Steel

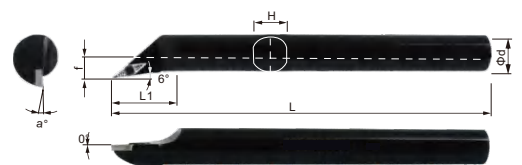
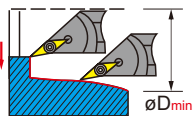


C...SVXCR

钨钢柄
Carbide



内孔车削
Internal Turning



刀片 (Inserts): A29-A32 零配件 (Toolholder Parts): P03-P05

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕd	f	L	L1	H	α°				R	L	
S08H-SVXCR/L08	10	8	5	100	20	7	15°	VC..0802..	M2×4	T6	●	●	227250
S10K-SVXCR/L08	12	10	6	125	25	9	15°				●	●	227252
S10K-SVXCR/L11	12	10	6	125	25	9	12°				●	●	227254
S12M-SVXCR/L11	14	12	7	150	30	11	12°				●	●	227256
S16Q-SVXCR/L11	22	16	11.5	180	40	15	10°	VC..1103..	M2.5×7	T8	●	●	227258
S20R-SVXCR/L11	27	20	13.5	200	45	19	8°				●	●	227260
S20R-SVXCR/L16	27	20	13.5	200	50	19	10°				●	●	227262
S25S-SVXCR/L16	32	25	16	250	50	24	8°				●	●	227264
S32B-SVXCR/L16	40	32	19.5	300	60	30	10°	VC..1604..	M4×10	T15	●	●	227266
S40B-SVXCR/L16	50	40	23.5	300	65	38	8°				●	●	227268

碳化钨钢防震刀杆 (防震效果>8倍柄径)

Carbide Steel Shock-Proof Toolholder (Shock-Proof Effect > 8 Times Toolholder Diameter)

C06J-SVXCR/L08	8.5	6	3.25	110	15	5	15°	VC..0802..	M2×4	T6	●	●	227272
C08K-SVXCR/L08	10	8	5	125	15	7	15°				●	●	227274
C10M-SVXCR/L08	12	10	6	150	20	9	15°				●	●	227276
C10M-SVXCR/L11	12	10	6	150	20	9	12°				●	●	227278
C12M-SVXCR/L11	14	12	7	150	20	11	12°	VC..1103..	M2.5×7	T8	●	●	227280
C12Q-SVXCR/L11	14	12	7	180	20	11	12°				●	●	227282
C16R-SVXCR/L11	18	16	9	200	25	15	10°				●	●	227284
C20R-SVXCR/L11	22	20	11	200	30	19	8°				●	●	227286
C20S-SVXCR/L11	22	20	11	250	30	19	10°	VC..1604..	M4×10	T15	●	●	227288
C25S-SVXCR/L16	28	25	14	200	35	24	8°				●	●	227290

车削
车刀柄

CSV
凸轮机
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

A-SVJP(C)-AE 一般抗振型刀杆(内径球面·内径端面·仿形加工)

最大悬伸量 L/D≈5.5

A-SVJP (C) - AE general vibration resistant tool holder (inner diameter spherical surface, inner diameter end face, profiling processing)

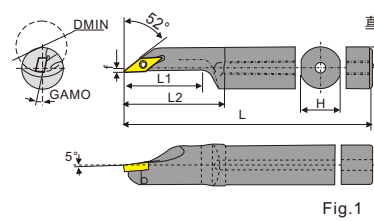
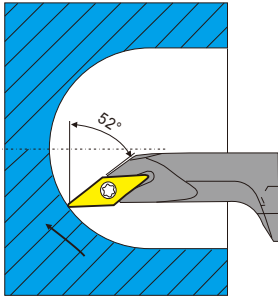


Fig.1

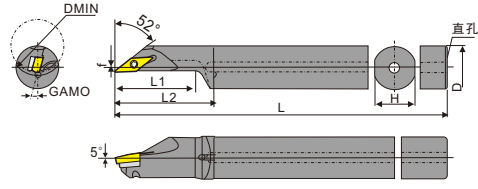


Fig.2

●本图为右手(R)
·Right hand knife shown

※SVJP (C)^{R/L}08 · SVJB^{R/L}11不配备垫片。
右手(R)刀杆适用左手(L)刀片, 左手(L)刀杆适用右手(R)刀片。
※SVJP (C)^{R/L}08 · SVJB^{R/L}11 without gasket.
The right-hand (R) blade is suitable for left-hand (L) blades,
and the left-hand (L) blade is suitable for right-hand (R) blades.

刀杆径 Tool bar diameter	直孔径 Straight aperture
ø12	
ø16	ø4
ø20	ø5
ø25	ø7
ø32	
ø40	ø9

S-SVJP(C)-A 钢刀杆(内径球面·内径端面·仿形加工)

最大悬伸量 L/D≈4

S-SVJP (C) - A steel cutter bar (inner diameter spherical surface, inner diameter end face, profiling processing)

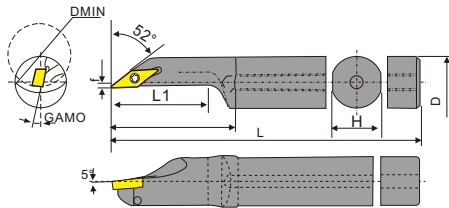
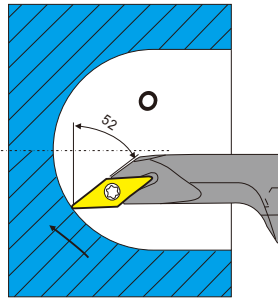


Fig.3

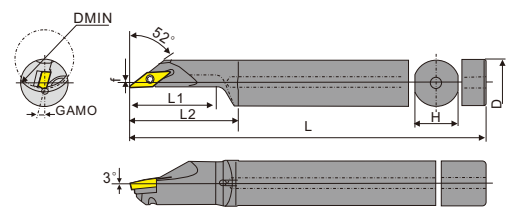


Fig.4

●本图为右手(R)
·Right hand knife shown

※SVJP (C)^{R/L}08 · SVJB^{R/L}11不配备垫片。
右手(R)刀杆适用左手(L)刀片, 左手(L)刀杆适用右手(R)刀片。
※SVJP (C)^{R/L}08 · SVJB^{R/L}11 without gasket.
The right-hand (R) blade is suitable for left-hand (L) blades,
and the left-hand (L) blade is suitable for right-hand (R) blades.

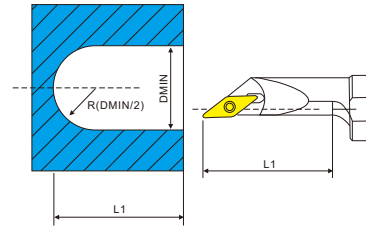
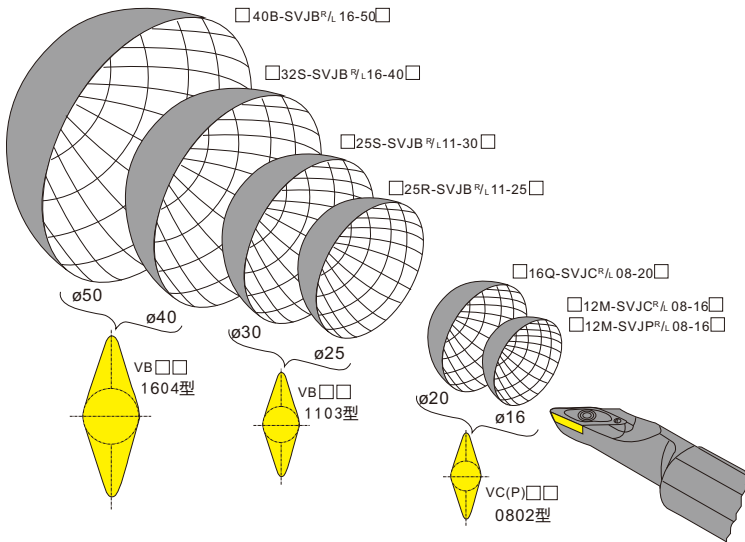
刀片 (Inserts): A29-A32 零配件 (Toolholder Parts): P03-P05

型号 Model number	库存 inventory		最小加工径 Minimum machining diameter	尺寸(mm) dimension(mm)						GAMO	标准刀尖R (RE) Standard tip R (RE)	冷却孔 Cooling hole	形状 shape	零件 parts	
	R	L		Dmin	D	H	L	L1	L2					f	紧固螺钉 Fastening screw
General vibration resistance tool bar	●	●	16	12	11	150	26	33	2	5°	有	Fig.1	M2.0x5	T-6	
	A12M-SVJP ^{R/L} 08-16AE	●													●
	A12M-SVJC ^{R/L} 08-16AE	●	●	20	16	15	180	36	43	3.5		8°	Fig.2	M4.0x12	T-15
	A16Q-SVJC ^{R/L} 08-20AE	●	●												
	A20R-SVJB ^{R/L} 11-25AE	●	●	25	20	19	200	37.5	48	2		5°	Fig.3	M2.0x5	T-6
	A25S-SVJB ^{R/L} 11-30AE	●	●												
A32S-SVJB ^{R/L} 16-40AE	●	●	40	32	31	250	60	74	3.5	8°	Fig.4	M4.0x12	T-15		
A40B-SVJB ^{R/L} 16-50AE	●	●													
steel	●	●	16	12	11	150	26	33	2	5°	无	Fig.3	M2.0x5	T-6	
	S12M-SVJP ^{R/L} 08-16A	●													●
	S12M-SVJC ^{R/L} 08-16A	●	●	20	16	15	180	36	43	3.5		8°	Fig.4	M4.0x12	T-15
	S16Q-SVJC ^{R/L} 08-20A	●	●												
	S20R-SVJB ^{R/L} 11-25A	●	●	25	20	19	200	37.5	48	2		5°	Fig.3	M2.0x5	T-6
	S25S-SVJB ^{R/L} 11-30A	●	●												
S32S-SVJB ^{R/L} 16-40A	●	●	40	32	31	250	60	74	3.5	8°	Fig.4	M4.0x12	T-15		
S40B-SVJB ^{R/L} 16-50A	●	●													

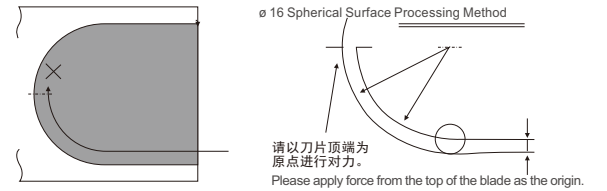
SVJP(C)- 的加工方法

SVJP(C)- Processing method

加工可对应范围 Processing can correspond to the range

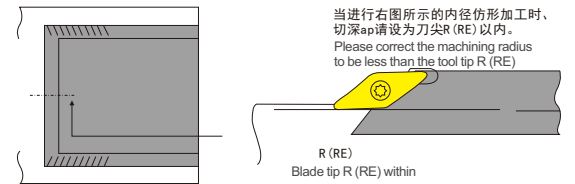


加工上的注意点 Points for attention in processing



请注意内径球面及内径端面加工 (特别内径球面加工) 时刀尖超过中心可能会造成刀片崩裂。
Please note that when machining the inner diameter spherical surface and inner diameter end face (especially for inner diameter spherical surface machining), the tool tip exceeding the center may cause blade breakage.

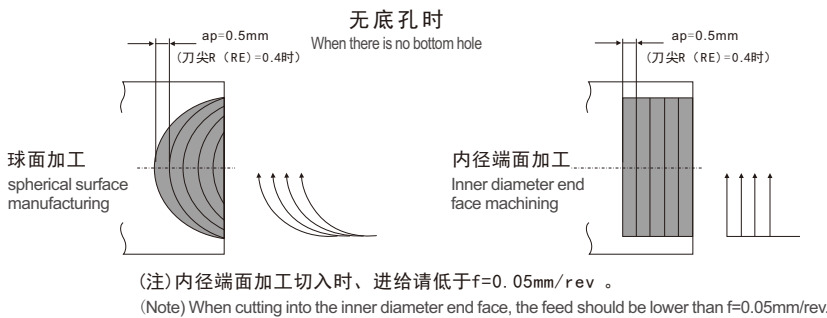
请将加工半径修正为小于刀尖R(RE)
Please correct the machining radius to be less than the tool tip R (RE)



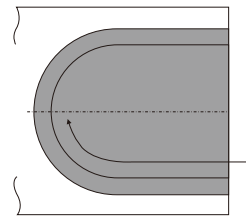
虽然可进行左图所示的加工, 但斜线位置可能被切屑所伤。
Although the machining shown in the left figure can be carried out, the diagonal position may be damaged by chips

[进行大于刀尖R(RE)的加工会产生毛刺。]
Processing larger than the tool tip R (RE) will produce burrs

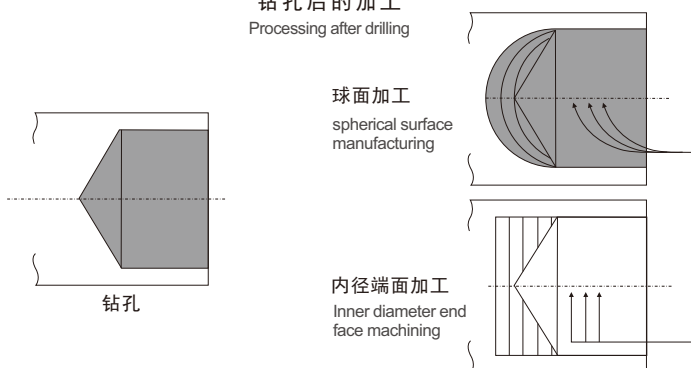
加工方法 processing



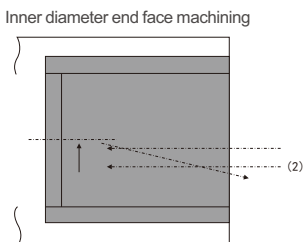
精加工 fine machining 球面加工 spherical surface manufacturing



钻孔后的加工 Processing after drilling



内径端面加工 Inner diameter end face machining



加工顺序 processing sequence

- (1) 先进行内径端面加工。
- (2) 然后进行内径精加工。

(注) 内径端面加工切入时, 进给请低于f=0.05mm/rev。

(Note) When cutting into the inner diameter end face, the feed should be lower than f=0.05mm/rev.

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

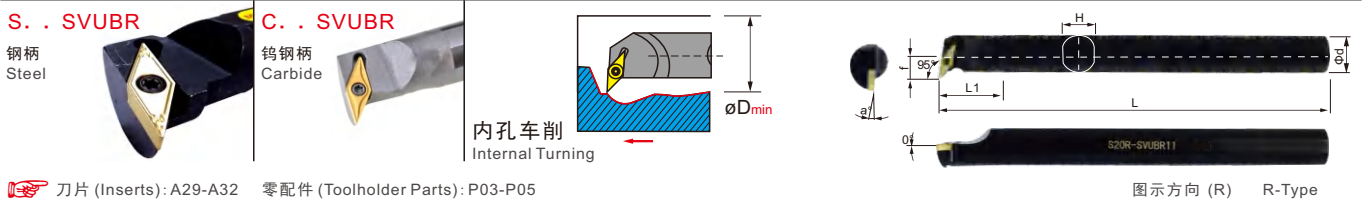
内孔
车削

螺纹
车削

切槽
切断

端面
切槽

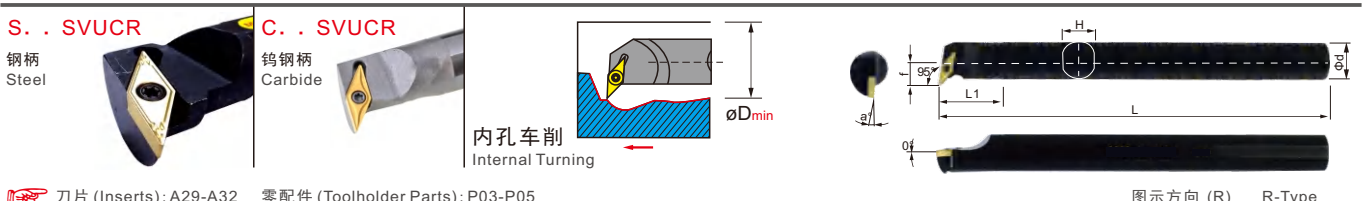
阻尼
模组



刀片 (Inserts): A29-A32 零配件 (Toolholder Parts): P03-P05

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕd	f	L	L1	H	α°				R	L	
S16Q-SVUBR/L11	22	16	12.5	180	30	15	10°	VB..1103..	M2.5×7	T8	●	●	227000
S20R-SVUBR/L11	27	20	14	200	32	19	8°				●	●	227002
S20R-SVUBR/L16	31	20	20	200	50	19	10°				●	●	227004
S25S-SVUBR/L16	35	25	20	250	50	24	8°				●	●	227006
S32B-SVUBR/L16	42	32	22.5	300	50	30	6°				●	●	227008
S40B-SVUBR/L16	51	40	27	300	55	38	6°	●	●	227010			
碳化钨钢防震刀杆 (防震效果>8倍柄径) Carbide Steel Shock-Proof Toolholder(Shock-Proof Effect > 8 Times Toolholder Diameter)													
C16R-SVUBR/L11	22	16	13	200	25	15	10°	VB..1103..	M2.5×7	T8	●	●	227014
C20R-SVUBR/L11	27	20	15	200	30	19	8°				●	●	227016
C20S-SVUBR/L11	27	20	15	250	30	19	8°				●	●	227018
C20R-SVUBR/L16	31	20	19	200	30	19	10°	VB..1604..	M4×10	T15	●	●	227020
C20S-SVUBR/L16	31	20	19	250	30	19	8°				●	●	227022
C25R-SVUBR/L16	35	25	20	200	35	24	8°				●	●	227024
C25S-SVUBR/L16	35	25	20	250	35	24	8°				●	●	227026



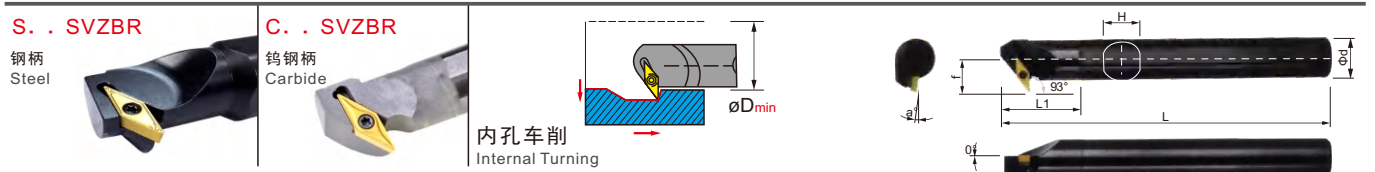
刀片 (Inserts): A29-A32 零配件 (Toolholder Parts): P03-P05

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕd	f	L	L1	H	α°				R	L	
S16Q-SVUCR/L11	22	16	12.5	180	30	15	10°	VC..1103..	M2.5×7	T8	●	●	227050
S20R-SVUCR/L11	27	20	14	200	32	19	8°				●	●	227052
S20R-SVUCR/L16	31	20	20	200	50	19	10°				●	●	227054
S25S-SVUCR/L16	35	25	20	250	50	24	8°				●	●	227056
S32B-SVUCR/L16	42	32	22.5	300	50	30	6°				●	●	227058
S40B-SVUCR/L16	51	40	27	300	55	38	6°	●	●	227060			
碳化钨钢防震刀杆 (防震效果>8倍柄径) Carbide Steel Shock-Proof Toolholder(Shock-Proof Effect > 8 Times Toolholder Diameter)													
C16R-SVUCR/L11	22	16	13	200	25	15	10°	VC..1103..	M2.5×7	T8	●	●	227062
C20R-SVUCR/L11	27	20	15	200	30	19	8°				●	●	227066
C20S-SVUCR/L11	27	20	15	250	30	19	8°				●	●	227068
C20R-SVUCR/L16	31	20	19	200	30	19	10°	VC..1604..	M4×10	T15	●	●	227070
C20S-SVUCR/L16	31	20	19	250	30	19	8°				●	●	227072
C25R-SVUCR/L16	35	25	20	200	35	24	8°				●	●	227074
C25S-SVUCR/L16	35	25	20	250	35	24	8°				●	●	227076

内孔车削

S 型锁紧内孔车刀 S Type Internal Turning Tool



刀片 (Inserts): A29-A32 零配件 (Toolholder Parts): P03-P05

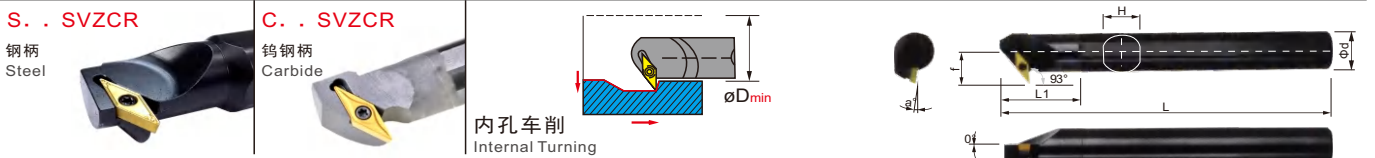
图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕd	f	L	L1	H	α°				R	L	
S16Q-SVZBR/L11	22	16	11.5	180	34	15	10°	VB..1103..	M2.5×7	T8	●	●	227300
S20R-SVZBR/L11	27	20	14	200	38	19	8°				●	●	227302
S25S-SVZBR/L16	34	25	19.5	250	50	20	8°	VB..1604..	M4×10	T15	●	●	227304
S32B-SVZBR/L16	42	32	23.5	300	50	30	10°				●	●	227306
S40B-SVZBR/L16	50	40	27	300	60	38	8°				●	●	227308
											●	●	227308

碳化钨钢防震刀杆 (防震效果>8倍柄径)

Carbide Steel Shock-Proof Toolholder (Shock-Proof Effect > 8 Times Toolholder Diameter)

C16R-SVZBR/L11	22	16	11.5	200	25	15	10°	VB..1103..	M2.5×7	T8	●	●	227312
C20R-SVZBR/L11	27	20	14	200	30	19	8°				●	●	227314
C20S-SVZBR/L11	27	20	14	250	30	19	8°				●	●	227316
C20R-SVZBR/L16	27	20	14	200	30	19	10°	VB..1604..	M4×10	T15	●	●	227318
C20S-SVZBR/L16	27	20	14	250	30	19	10°				●	●	227320
C25R-SVZBR/L16	34	25	19.5	200	35	24	8°				●	●	227322
C25S-SVZBR/L16	34	25	19.5	250	35	24	8°				●	●	227324
											●	●	227324



刀片 (Inserts): A29-A32 零配件 (Toolholder Parts): P03-P05

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕd	f	L	L1	H	α°				R	L	
S16Q-SVZCR/L11	22	16	11.5	180	34	15	10°	VC..1103..	M2.5×7	T8	●	●	227350
S20R-SVZCR/L11	27	20	14	200	38	19	8°				●	●	227352
S25S-SVZCR/L16	34	25	19.5	250	50	20	8°	VC..1604..	M4×10	T15	●	●	227354
S32B-SVZCR/L16	42	32	23.5	300	50	30	10°				●	●	227356
S40B-SVZCR/L16	50	40	27	300	60	38	8°				●	●	227358
											●	●	227358

碳化钨钢防震刀杆 (防震效果>8倍柄径)

Carbide Steel Shock-Proof Toolholder (Shock-Proof Effect > 8 Times Toolholder Diameter)

C16R-SVZCR/L11	22	16	11.5	200	25	15	10°	VC..1103..	M2.5×7	T8	●	●	227362
C20R-SVZCR/L11	27	20	14	200	30	19	8°				●	●	227364
C20S-SVZCR/L11	27	20	14	250	30	19	8°				●	●	227366
C20R-SVZCR/L16	27	20	14	200	30	19	10°	VC..1604..	M4×10	T15	●	●	227368
C20S-SVZCR/L16	27	20	14	250	30	19	10°				●	●	227370
C25R-SVZCR/L16	34	25	19.5	200	35	24	8°				●	●	227372
C25S-SVZCR/L16	34	25	19.5	250	35	24	8°				●	●	227374
											●	●	227374

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

车削
刀柄

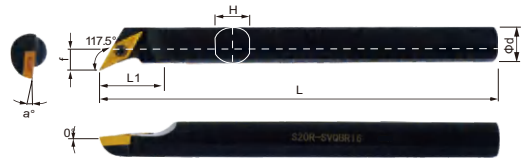
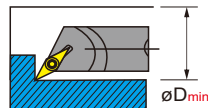
S. . SVQBR

钢柄
Steel

C. . SVQBR

钨钢柄
Carbide

内孔车削
Internal Turning



刀片 (Inserts): A29-A32 零配件 (Toolholder Parts): P03-P05

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕd	f	L	L1	H	α°				R	L	
S16Q-SVQBR/L11	22	16	11.5	180	35	15	10°	VB..1103..	M2.5×7	T8	●	●	226900
S20R-SVQBR/L11	27	20	14	200	39	19	8°				●	●	226902
S20R-SVQBR/L16	27	20	14	200	50	19	10°				●	●	226904
S25S-SVQBR/L16	32	25	16.5	250	50	24	8°	VB..1604..	M4×10	T15	●	●	226906
S32B-SVQBR/L16	41	32	22.5	300	55	30	10°				●	●	226908
S40B-SVQBR/L16	50	40	27	300	55	38	8°				●	●	226910
碳化钨钢防震刀杆 (防震效果>8倍柄径) Carbide Steel Shock-Proof Toolholder(Shock-Proof Effect > 8 Times Toolholder Diameter)													
C16R-SVQBR/L11	22	16	11.5	200	25	15	10°	VB..1103..	M2.5×7	T8	●	●	226914
C20R-SVQBR/L11	27	20	14	200	30	19	8°				●	●	226916

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

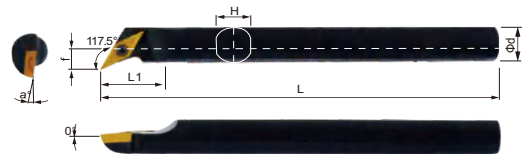
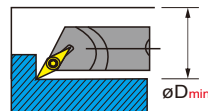
S. . SVQCR

钢柄
Steel

C. . SVQCR

钨钢柄
Carbide

内孔车削
Internal Turning



刀片 (Inserts): A29-A32 零配件 (Toolholder Parts): P03-P05

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕd	f	L	L1	H	α°				R	L	
S16Q-SVQCR/L11	22	16	11.5	180	35	15	10°	VC..1103..	M2.5×7	T8	●	●	226950
S20R-SVQCR/L11	27	20	14	200	39	19	8°				●	●	226952
S20R-SVQCR/L16	27	20	14	200	50	19	10°				●	●	226954
S25S-SVQCR/L16	32	25	16.5	250	50	24	8°	VC..1604..	M4×10	T15	●	●	226956
S32B-SVQCR/L16	41	32	22.5	300	55	30	10°				●	●	226958
S40B-SVQCR/L16	50	40	27	300	55	38	8°				●	●	226960
碳化钨钢防震刀杆 (防震效果>8倍柄径) Carbide Steel Shock-Proof Toolholder(Shock-Proof Effect > 8 Times Toolholder Diameter)													
C16R-SVQCR/L11	22	16	11.5	200	25	15	10°	VC..1103..	M2.5×7	T8	●	●	226964
C20R-SVQCR/L11	27	20	14	200	30	19	8°				●	●	226966

内孔车削

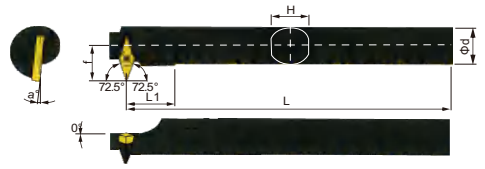
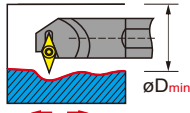
S 型锁紧内孔车刀 S Type Internal Turning Tool

S. . SVWBR

钢柄
Steel

内孔车削
Internal Turning

刀片 (Inserts): A29-A32 零配件 (Toolholder Parts): P03-P05



图示方向 (R) R-Type

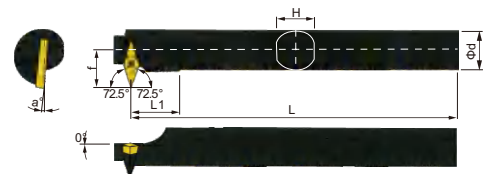
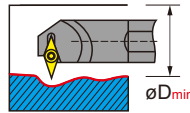
刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕd	f	L	L1	H	α°				R	L	
S25S-SVWBR/L16	38	25	23	250	33	24	6°	VB..1604..	M4×10	T15	●	●	227100
S32B-SVWBR/L16	45	32	26	300	41	30	6°				●	●	227102

S. . SVWCR

钢柄
Steel

内孔车削
Internal Turning

刀片 (Inserts): A29-A32 零配件 (Toolholder Parts): P03-P05



图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕd	f	L	L1	H	α°				R	L	
S25S-SVWCR/L16	38	25	23	250	33	24	6°	VC..1604..	M4×10	T15	●	●	227110
S32B-SVWCR/L16	45	32	26	300	41	30	6°				●	●	227112

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

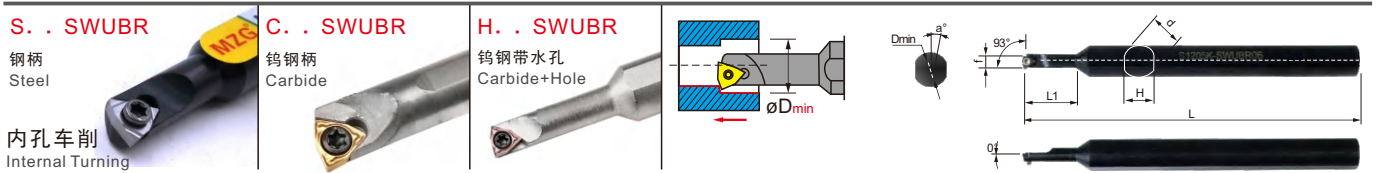
螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

- 车削刀柄
- CSV 凸轮车床刀具
- DS 刀柄
- 正面排刀
- Y轴刀柄
- 前车削
- 后车削
- 小径切槽切断螺纹
- 小孔加工
- 滚花车花
- 焊接车刀夹头
- 外圆车削
- 内孔车削
- 螺纹车削
- 切槽切断
- 端面切槽
- 阻尼模组



刀片 (Inserts): A23 零配件 (Toolholder Parts): P03-P05

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕd	f	L	L1	H	α°				R	L	
S06H-SWUBR/L06	7	6	3.5	100	16	5.4	15°	WB..0601..	M2×4	T6	●	●	227510
S0705H-SWUBR/L06	6	7	3	100	16	6	15°				●	●	227512
S0805H-SWUBR/L06	6	8	3	100	16	7	15°				●	●	227500
S1005K-SWUBR/L06	6	10	3	125	16	9	15°				●	●	227514
S1205K-SWUBR/L06	6	12	3	125	20	11	15°				●	●	227516
S1605H-SWUBR/L06	6	16	3	125	20	15	15°				●	●	227518
S0806J-SWUBR/L06	7	8	3.5	110	20	7	15°				●	●	227520
S1006K-SWUBR/L06	7	10	3.5	125	20	9	12°				●	●	227502
S1207K-SWUBR/L06	8	12	4	125	25	11	12°				●	●	227504
S1607M-SWUBR/L06	8	16	4	150	25	15	12°				●	●	227506

碳化钨钢防震刀杆 (防震效果>8倍柄径) Carbide Steel Shock-Proof Toolholder(Shock-Proof Effect > 8 Times Toolholder Diameter)

C04G-SWUBR/L06	5	4	2.6	90	15	3.6	15°	WB..0601..	M2×4	T6	●	●	227530
C05H-SWUBR/L06	6	5	3	100	15	4.5	15°				●	●	227532
C06J-SWUBR/L06	7	6	3.5	110	15	5.5	12°				●	●	227536
C07K-SWUBR/L06	8	7	4	125	15	6	12°				●	●	227538
C0807K-SWUBR/L06	8	8	4	125	15	7	12°				●	●	227508

高速钢防震刀杆 (防震效果>5倍柄径) High-Speed Steel Shock-Proof Toolholder (Shock-Proof Effect > 5 Times Toolholder Diameter)

H06J-SWUBR/L06	7	6	3.4	110	12	5.4	15°	WB..0601..	M2×4	T6	●	●	227520
H1005K-SWUBR/L06	6	10	3	125	22	9	15°				●	●	227522
H1205K-SWUBR/L06	6	12	3	125	22	11	15°				●	●	227526

内孔车削

S 型锁紧内孔车刀 S Type Internal Turning Tool

S. . SWLCR

钢柄
Steel

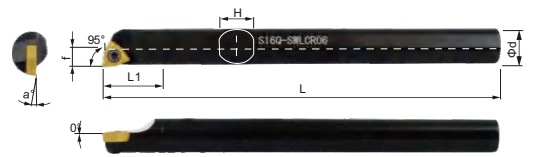
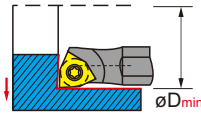


C. . SWLCR

钨钢柄
Carbide



内孔车削
Internal Turning



图示方向 (R) R-Type

刀片 (Inserts): A85 零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	øD _{min}	ød	f	L	L1	H	α°				R	L	
S08K-SWLCR/L03	10	8	5	125	25	7	13°	WC..0302..	M2.5×6	T8	●	●	227401
S10K-SWLCR/L03	12	10	6	125	25	9	10°				●	●	227403
S08K-SWLCR/L04	10	8	5	125	25	7	13°	WC..0402..	M2.5×6	T8	●	●	227400
S10K-SWLCR/L04	13	10	6.5	125	30	9	10°				●	●	227402
S12M-SWLCR/L04	16	12	7.5	150	37	11	13°				●	●	227404
S12M-SWLCR/L05	15	12	7	150	37	11	12°	WC..0503..	M3×7	T10	●	●	227405
S14N-SWLCR/L05	17	14	8.5	160	40	13	10°				●	●	227407
S16Q-SWLCR/L06	20	16	9.5	180	40	15	10°	WC..06T3..	M3.5×8	T15	●	●	227406
S20R-SWLCR/L06	25	20	11.5	200	40	19	8°				●	●	227408
S25S-SWLCR/L06	31	25	14	250	40	24	6°				●	●	227410

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	øD _{min}	ød	f	L	L1	H	α°				R	L	
碳化钨钢防震刀杆 (防震效果>8倍柄径) Carbide Steel Shock-Proof Toolholder(Shock-Proof Effect > 8 Times Toolholder Diameter)													
C08K-SWLCR/L03	10	8	5	125	15	7	13°	WC..0302..	M2.5×6	T8	●	●	227420
C10K-SWLCR/L03	12	10	6	125	20	9	10°				●	●	227422
C08K-SWLCR/L04	10	8	5	125	15	7	13°	WC..0402..	M2.5×6	T8	●	●	227424
C10K-SWLCR/L04	13	10	6.5	125	20	9	10°				●	●	227426
C12M-SWLCR/L04	16	12	7.5	150	20	11	13°				●	●	227428
C12M-SWLCR/L05	15	12	7	150	20	11	12°	WC..0503..	M3×7	T10	●	●	227430
C14N-SWLCR/L05	17	14	8.5	160	25	13	10°				●	●	227432
C16Q-SWLCR/L06	20	16	9.5	180	25	15	10°	WC..06T3..	M3.5×8	T15	●	●	227434
C20R-SWLCR/L06	25	20	11.5	200	30	19	8°				●	●	227436
C25S-SWLCR/L06	31	25	14	250	35	24	6°				●	●	227438

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

螺纹车削工具系统 Thread turning tool system

车削刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前车削

后车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

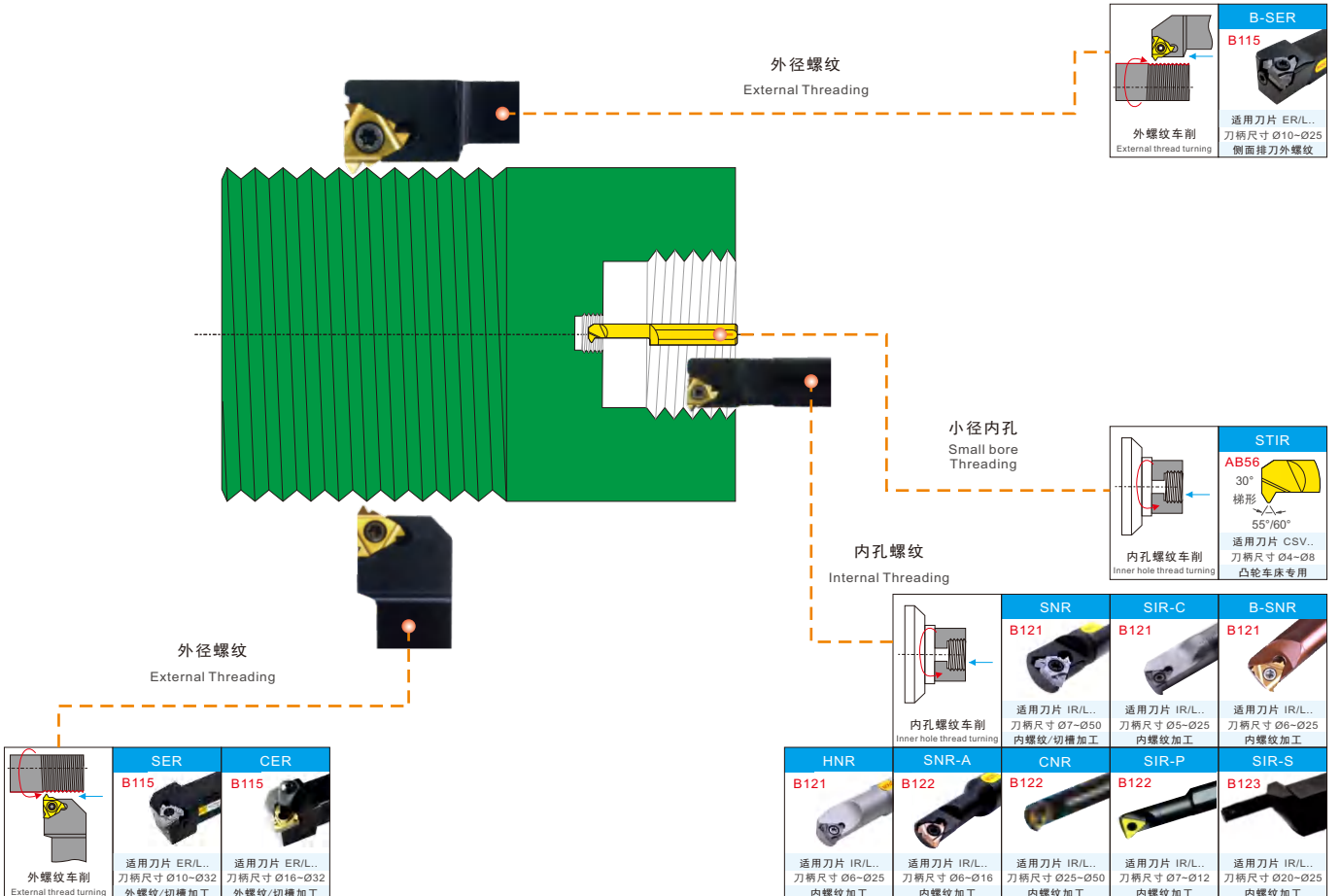
螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

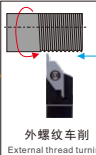
ISO B69 适用刀片 CSV... 刀柄尺寸 □8-□12 小零件前车削 内螺纹 External Thread 1/4P 1/8P 60°	W B69 适用刀片 CSV... 刀柄尺寸 □8-□12 小零件前车削 内螺纹 External Thread R0.137P 55° R0.137P	UN B69 适用刀片 CSV... 刀柄尺寸 □8-□12 小零件前车削 内螺纹 External Thread 1/4P 1/8P 60°	UNJ B69 适用刀片 CSV... 刀柄尺寸 □8-□12 小零件前车削 内螺纹 External Thread 5/16P Rmin 0.15011P Rmax 0.18042P 60°
PG B69 适用刀片 CSV... 刀柄尺寸 □8-□12 小零件前车削 内螺纹 External Thread 80°	BSPT B69 适用刀片 CSV... 刀柄尺寸 □8-□12 小零件前车削 内螺纹 External Thread R0.137P 27.5° 27.5° R0.137P 1°47' 90°	DIN405 B69 适用刀片 CSV... 刀柄尺寸 □8-□12 小零件前车削 内螺纹 External Thread R0.22105P R0.25597P 30° R0.23851P	NPT B69 适用刀片 CSV... 刀柄尺寸 □8-□12 小零件前车削 内螺纹 External Thread 30° 30° 1°47' 90°
NPTF B69 适用刀片 CSV... 刀柄尺寸 □8-□12 小零件前车削 内螺纹 External Thread 30° 30° 1°47' 90°	ACME B69 适用刀片 CSV... 刀柄尺寸 □8-□12 小零件前车削 内螺纹 External Thread 29°	ST-ACME B69 适用刀片 CSV... 刀柄尺寸 □8-□12 小零件前车削 内螺纹 External Thread 29°	TR B69 适用刀片 CSV... 刀柄尺寸 □8-□12 小零件前车削 内螺纹 External Thread 30°
ABUT B69 适用刀片 CSV... 刀柄尺寸 □8-□12 小零件前车削 内螺纹 External Thread 0.16316P 0.16316P 45° 7°	BBUT B69 适用刀片 CSV... 刀柄尺寸 □8-□12 小零件前车削 内螺纹 External Thread 0.2754P 0.2754P 45° 7°	SAGE B69 适用刀片 CSV... 刀柄尺寸 □8-□12 小零件前车削 内螺纹 External Thread 0.26384P 0.26384P 30° 3°	API B69 适用刀片 CSV... 刀柄尺寸 □8-□12 小零件前车削 内螺纹 External Thread 30° 30° a 90°
API-RD B69 适用刀片 CSV... 刀柄尺寸 □8-□12 小零件前车削 内螺纹 External Thread 30° 30° a 90°	BUT B69 适用刀片 CSV... 刀柄尺寸 □8-□12 小零件前车削 内螺纹 External Thread 3° 10° a 90°	EL B69 适用刀片 CSV... 刀柄尺寸 □8-□12 小零件前车削 内螺纹 External Thread 6° 6° a 90°	

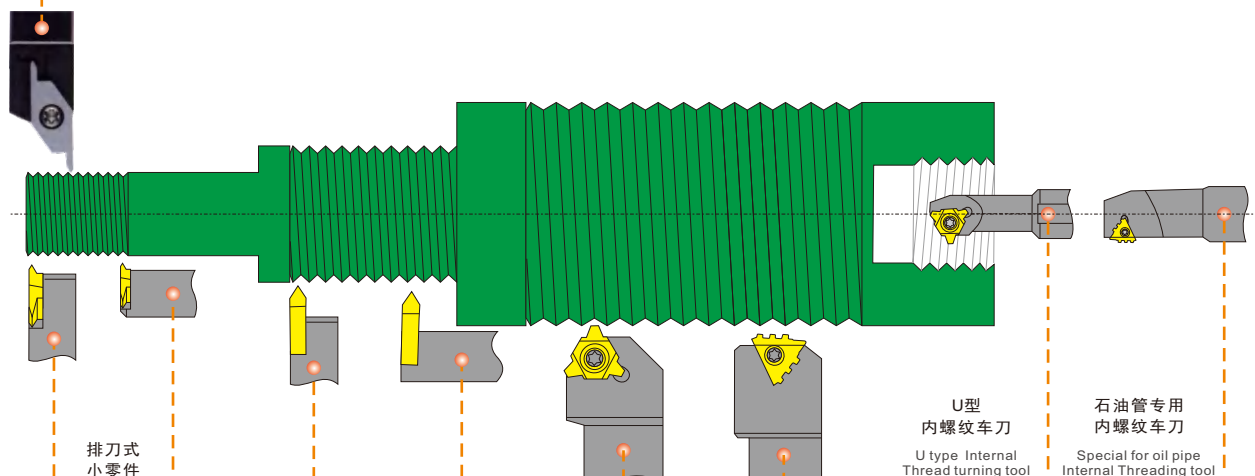


螺纹车削

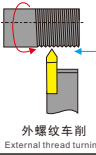
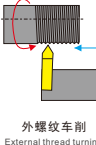
螺纹车削刀具系统导航 Index thread turning tool system

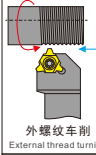
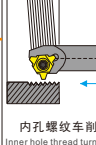
螺纹车削工具系统 Thread turning tool system

	CSV AB06
外螺纹车削 External thread turning	通用刀片 CSV... 刀柄尺寸 Ø7-Ø12 凸轮车床专用



	KTTXR B117	SVER B119
外螺纹车削 External thread turning	通用刀片 TTX... 刀柄尺寸 Ø10-Ø32 小零件外螺纹	通用刀片 VER... 刀柄尺寸 Ø20-Ø40 外螺纹重切削
	KTTXSL B117	DS-KTTXL AB13
外螺纹车削 External thread turning	通用刀片 TTX... 刀柄尺寸 Ø10-Ø25 排刀小零件外螺纹	通用刀片 TTX... 刀柄尺寸 Ø14-Ø25 DS小零件外螺纹
	SVNR B120	
内孔螺纹车削 Inner hole thread turning	通用刀片 Ø20-Ø50 刀柄尺寸 Ø8-Ø12 内螺纹重切削	

	KTKFR B118	TTPR AB44
外螺纹车削 External thread turning	通用刀片 TKFT... 刀柄尺寸 Ø8-Ø16 小零件外螺纹	通用刀片 TTP... 刀柄尺寸 Ø8-Ø20 小零件外螺纹
	KTKFSL B118	DS-TTPL AB13
外螺纹车削 External thread turning	通用刀片 TKFT... 刀柄尺寸 Ø10-Ø20 排刀小零件外螺纹	通用刀片 TTP... 刀柄尺寸 Ø19-Ø25 DS小零件外螺纹

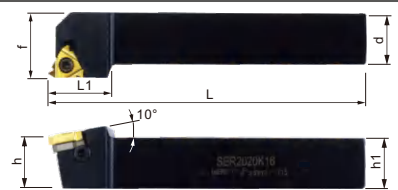
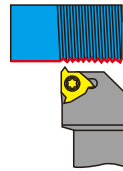
	SUER B116
外螺纹车削 External thread turning	通用刀片 UER... 刀柄尺寸 Ø32-Ø50 大螺距外螺纹
	SUNR B116
内孔螺纹车削 Inner hole thread turning	通用刀片 UNR... 刀柄尺寸 Ø32-Ø60 大螺距内螺纹

	PER B126	TER B126
外螺纹车削 External thread turning	通用刀片 22/27ER... 刀柄尺寸 Ø25-Ø40 石油管外螺纹	通用刀片 22/27ER... 刀柄尺寸 Ø25-Ø40 石油管外螺纹
	PNR B127	TNR B127
内孔螺纹车削 Inner hole thread turning	通用刀片 22/27IR... 刀柄尺寸 Ø40-Ø80 石油管内螺纹	通用刀片 22/27IR... 刀柄尺寸 Ø40-Ø80 石油管内螺纹
	PNR柄 B128	TNR柄 B128
	通用刀片 22/27IR... 刀柄尺寸 Ø40-Ø80 石油管内螺纹	通用刀片 22/27IR... 刀柄尺寸 Ø40-Ø80 石油管内螺纹

- 车削刀柄
- CSV 凸轮车床刀具
- DS 刀柄
- 正面排刀
- Y轴刀柄
- 前车削
- 后车削
- 小径切槽切断螺纹
- 小孔加工
- 滚花车花
- 焊接车刀夹头
- 外圆车削
- 内孔车削
- 螺纹车削
- 切槽切断
- 端面切槽
- 阻尼模组

SER

钢柄型
高效低阻力
外螺纹车削



图示方向 (R) R-Type

刀片 (Inserts): A37/A61-A74 零配件 (Toolholder Parts): P03-P05

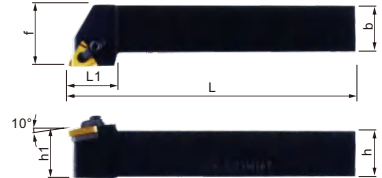
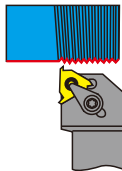
刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	垫片 Shim	螺丝 Screw	侧螺丝 Screw	扳手 Wrench	Stock		Order Number
	h	b	L	L1	h1	f						R	L	
SER/L1010H11	10	10	100	16	10	12	11ER/L..		M2.5×6		T8	●	●	232100
SER/L1212H11	12	12	100	16	12	16						●	●	232102
SER/L1616H11	16	16	100	20	16	20						●	●	232103
SER/L1212H16	12	12	100	20	12	18	16ER/L..	STM1603R STM1603L	M3.5×12	M3×8	T15	●	●	232104
SER/L1616H16	16	16	100	20	16	20						●	●	232106
SER/L2020K16	20	20	125	22	20	25						●	●	232108
SER/L2525M16	25	25	150	22	25	32						●	●	232110
SER/L3232P16	32	32	170	25	32	32						●	●	232112
SER/L2020K22	20	20	125	26	20	32	22ER/L..	STM22T3R STM22T3L	M4.5×12	M3×8	T20 T15	●	●	232113
SER/L2525M22	25	25	150	26	25	32						●	●	232114
SER/L3232P22	32	32	170	28	32	32						●	●	232116

CER

钢柄
Steel



外螺纹车削
External Thread Turning



图示方向 (R) R-Type

刀片 (Inserts): A37/A61-A74 零配件 (Toolholder Parts): P03-P05

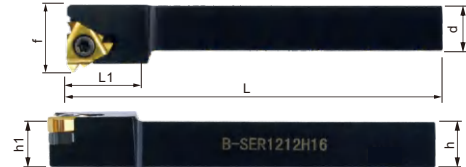
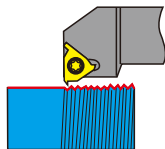
刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	垫片 Shim	垫片螺丝 Screw	压板 Clamp	双头螺钉 Screw	扳手 Wrench	Stock		Order Number
	h	b	L	L1	h1	f							R	L	
CER/L1616H16	16	16	100	20	16	20	16ER/L..	STM1603R STM1603L	M3.5×12	HL 1808	M5×20	T15 PL25	●	●	232200
CER/L2020K16	20	20	125	22	20	25							●	●	232202
CER/L2525M16	25	25	150	22	25	32							●	●	232204
CER/L3225P16	32	32	170	25	32	32							●	●	232206
CER/L2525M22	25	25	150	26	25	32	22ER/L..	STM22T3R STM22T3L	M4.5×14	HL 1808	M5×20	T15 PL25	●	●	232208
CER/L3225P22	32	32	170	28	32	32							●	●	232210

B-SER

钢柄
Steel



外螺纹车削
External Thread Turning



图示方向 (R) R-Type

刀片 (Inserts): A37/A61-A74 零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	垫片 Shim	螺丝 Screw	侧螺丝 Screw	扳手 Wrench	Stock		Order Number
	h	b	L	L1	h1	f						R	L	
B-SER/L1010H16	10	10	100	20	10	18	16ER/L..	STM1603R STM1603L	M3.5×12	M3×8C	T15	●	●	232300
B-SER/L1212H16	12	12	100	20	12	18						●	●	232302
B-SER/L1616H16	16	16	100	20	16	20						●	●	232304
B-SER/L2020K16	20	20	125	22	20	25						●	●	232306
B-SER/L2525M16	25	25	150	22	25	32						●	●	232308

螺纹车削

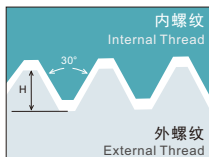
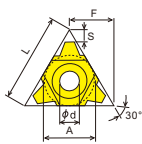
外圆/内孔螺纹车刀

External / internal thread turning tool

DIN 103

多种牙型
高效低阻力
外螺纹车削

DIN103

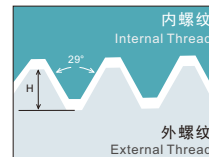
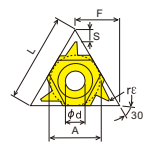


Application 用途	规格型号 Specification		切深 Depth Hmin	螺距 Pitch (mm)	尺寸 Dimension (mm)						材料						
	[U]				φd	L	A	S	F	PCD 0981M	CBN-K 0982M	CBN-S 0983M	0984M	0985M	0986M	0987M	0988M
外螺纹加工 External thread processing	22UER	6.0 TR	3.50	6.0	5.1	22	12.7	2.0	11.0				●				
		7.0 TR	4.00	7.0	5.1	22	12.7	2.3	11.0				●	●			
	27UER	8.0 TR	4.57	8.0	6.35	27	15.87	2.6	13.7				●				
		9.0 TR 10.0 TR			9.0 10.0	6.35 6.35	27 27	15.87 15.87	3.0 13.7				●	●	●		

Material 材质	切削形态: Cutting Environment			一般切削 General Cutting (Second recommend)	不稳定切削 Unstable Cutting	Material 材质
	● 稳定切削 Stable Cutting	● 一般切削 General Cutting	● 不稳定切削 Unstable Cutting			
P	钢	Steel	●	●	●	● ● ● ● ● ● ● ●
M	不锈钢	Stainless Steel	●	●	●	● ● ● ● ● ● ● ●
K	铸铁	Iron	●	●	●	● ● ● ● ● ● ● ●
N	铝/铜/镁/锌/塑料/木材	Aluminum/Copper/Magnesium/Zinc/Plastic/Wood	●	●	●	● ● ● ● ● ● ● ●
S	硬质合金/粉末冶金	Carbide/Powder Metallurgy	●	●	●	● ● ● ● ● ● ● ●
H	钛/高温合金/碳纤维	Titanium/Superalloy/Carbon Fiber	●	●	●	● ● ● ● ● ● ● ●

SAGE

外螺纹加工
External thread processing

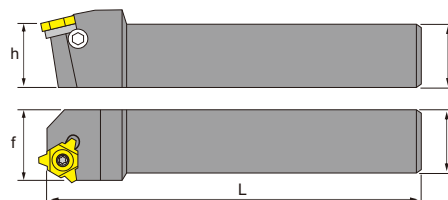
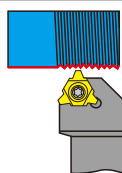


Application 用途	规格型号 Specification		切深 Depth Hmin	螺距 Pitch (mm)	尺寸 Dimension (mm)						材料						
	[U]				φd	L	rE	A	F	PCD 0981M	CBN-K 0982M	CBN-S 0983M	0984M	0985M	0986M	0987M	0988M
外螺纹加工 External thread processing	22UER	5.0 SAGE		5.0	5.1	22	0.62	12.7	11.0								
		6.0 SAGE		6.0				0.75									

SUER



外螺纹车削
External Thread Turning



图示方向 (R) R-Type

刀片 (Inserts): B116 零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions					刀片 Insert	螺丝 Screw	扳手 Wrench	刀垫 Shim	螺丝 Screw	扳手 Wrench	Stock		Order Number
	h	b	L	h1	f							R	L	
SUER/L	3232P22	32	32	170	32	37	22UE..	M4×14	T15	STU22	M3×5	PL25	● ○	232230
	4040R22	40	40	200	40	45							● ○	232232
3232P27	3232P27	32	32	170	32	37							● ○	232234
	4040R27	40	40	200	40	45							● ○	232236
5050S27	5050S27	50	50	250	50	55	27UE..	M6×16	T20	STU27	M3×5	PL25	● ○	232238

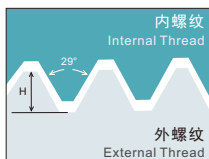
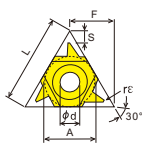
SAGE

多种牙型
高效低阻力
螺纹刀片

DIN103

SAGE

内螺纹加工
Internal thread processing



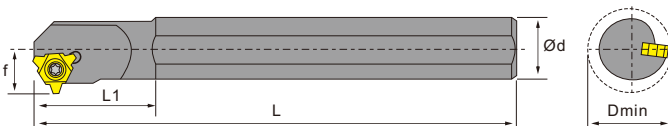
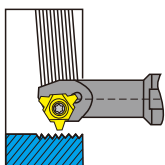
Application 用途	规格型号 Specification		切深 Depth Hmin	螺距 Pitch (mm)	尺寸 Dimension (mm)						材料							
	[U]				φd	L	rE	A	F	PCD 0981M	CBN-K 0982M	CBN-S 0983M	0984M	0985M	0986M	0987M	0988M	0989M
内螺纹加工 Internal thread processing	22UIR	5.0 SAGE		5.0	5.1	22	0.62	12.7	11.0									
		6.0 SAGE		6.0				0.75										
		7.0 TR		3.50	6.0	5.1	22	12.7	2.0	11.0								
	27UIR	8.0 TR		4.57	8.0	6.35	27	15.87	2.6	13.7								
		9.0 TR		9.0	6.35	27	15.87	3.0	13.7									
		10.0 TR		10.0	6.35	27	15.87		13.7									

Application 用途	规格型号 Specification		切深 Depth Hmin	螺距 Pitch (mm)	尺寸 Dimension (mm)						材料						
	[U]				φd	L	rE	A	F	PCD 0981M	CBN-K 0982M	CBN-S 0983M	0984M	0985M	0986M	0987M	0988M
内螺纹加工 Internal thread processing	22UIR	6.0 TR	3.50	6.0	5.1	22	12.7	2.0	11.0								
		7.0 TR	4.00	7.0	5.1	22	12.7	2.3	11.0								
		8.0 TR	4.57	8.0	6.35	27	15.87	2.6	13.7								
	27UIR	9.0 TR	9.0	6.35	27	15.87	3.0	13.7									
		10.0 TR	10.0	6.35	27	15.87		13.7									

SUNR



内螺纹车削
Internal Thread Turning



图示方向 (R) R-Type

刀片 (Inserts): B116 零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions					刀片 Insert	螺丝 Screw	扳手 Wrench	刀垫 Shim	螺丝 Screw	扳手 Wrench	Stock		Order Number
	Dmin	Ød	L	L1	f							R	L	
SUNR/L	0032S22	32	32	250	60	25.5	22UE..	M4×14	T15	STU22	M3×5	PL25	● ○	232240
	0040T22	40	40	300	60	29.5							● ○	232242
0032S27	0032S27	32	32	250	60	24.7							● ○	232244
	0040T27	40	40	300	60	29.4							● ○	232245
0050U27	0050U27	50	50	350	75	34.3	27UE..	M6×16	T20	STU27	M3×5	PL25	● ○	232246
0060V27	0060V27	60	60	400	75	39.3							● ○	232247

车削
车刀柄

CSV
凸床
车刀具

DS
刀柄

正面
排刀

Y轴
车刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

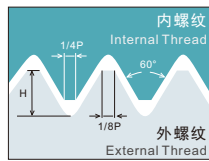
螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

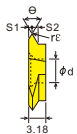
小零件 精密 螺纹刀片



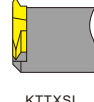
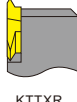
螺纹应用领域：一般工业
Thread Application: General Industry

Material	切削形态: Cutting Environment	稳定切削 Stable Cutting	一般切削 General Cutting	不稳定切削 Unstable Cutting	PCD	CBN-K	CBN-S	ZN60	ZK01	ZM26	ZP15	ZP680	ZM856	ZM860
P	钢 Steel	●	○	✖	●	●	●	●	●	●	●	●	●	●
M	不锈钢 Stainless Steel	●	○	✖	●	●	●	●	●	●	●	●	●	●
K	铸铁 Iron	●	○	✖	●	●	●	●	●	●	●	●	●	●
N	铝/铜/镁/锌/塑料/木材 Aluminum/Copper/Magnesium/Zinc/Plastic/Wood	●	○	✖	●	●	●	●	●	●	●	●	●	●
S	硬质合金/粉末冶金 Carbide/Powder Metallurgy	●	○	✖	●	●	●	●	●	●	●	●	●	●
H	钛/高温合金/碳纤维 Titanium/Superalloy/Carbon Fiber	●	○	✖	●	●	●	●	●	●	●	●	●	●

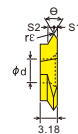
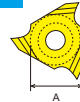
TTX32R



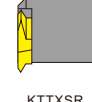
刀具安装样式 Tool installation style



TTX32L



刀具安装样式 Tool installation style



用途 Application	规格型号 Specification	螺距 Pitch of Screw		尺寸 Dimension (mm)						PCD	CBN-K	CBN-S	ZN60	ZK01	ZM26	ZP15	ZP680	ZM856	ZM860		
		(mm)	(tpi)	rℓ	S1	S2	A	φd													
螺纹加工 Thread processing	TTX32R 6000 6000S 60005 60005S 6001 6002 6003	0.5-1.0	56-32	0.00	0.6	1.12				●	●	●	●	●	●	●	●	●	●	●	
		0.5-1.0	56-32	0.00	0.3	1.12				●	●	●	●	●	●	●	●	●	●	●	●
		0.5-1.0	48-32	0.05	0.6	1.12				●	●	●	●	●	●	●	●	●	●	●	●
		0.5-1.0	48-32	0.05	0.3	1.12	9.525	4.4		●	●	●	●	●	●	●	●	●	●	●	●
		1.0-2.0	28-14	0.1	1.1	1.62				●	●	●	●	●	●	●	●	●	●	●	●
		1.5-2.5	16-10	0.2	1.1	1.62				●	●	●	●	●	●	●	●	●	●	●	●
2.5	11-10	0.3	1.1	1.62				●	●	●	●	●	●	●	●	●	●	●	●		

用途 Application	规格型号 Specification	螺距 Pitch of Screw		尺寸 Dimension (mm)						PCD	CBN-K	CBN-S	ZN60	ZK01	ZM26	ZP15	ZP680	ZM856	ZM860	
		(mm)	(tpi)	rℓ	S1	S2	A	φd												
螺纹加工 Thread processing	TTX32L 6000 6000S 60005 60005S 6001 6002 6003	0.5-1.0	56-32	0.00	0.6	1.12				●	●	●	●	●	●	●	●	●	●	●
		0.5-1.0	56-32	0.00	0.3	1.12				●	●	●	●	●	●	●	●	●	●	●
		0.5-1.0	48-32	0.05	0.6	1.12				●	●	●	●	●	●	●	●	●	●	●
		0.5-1.0	48-32	0.05	0.3	1.12	9.525	4.4		●	●	●	●	●	●	●	●	●	●	●
		1.0-2.0	28-14	0.1	1.1	1.62				●	●	●	●	●	●	●	●	●	●	●
		1.5-2.5	16-10	0.2	1.1	1.62				●	●	●	●	●	●	●	●	●	●	●
2.5	11-10	0.3	1.1	1.62				●	●	●	●	●	●	●	●	●	●	●		

用途 Application	规格型号 Specification	螺距 Pitch of Screw		尺寸 Dimension (mm)						PCD	CBN-K	CBN-S	ZN60	ZK01	ZM26	ZP15	ZP680	ZM856	ZM860
		(mm)	(tpi)	rℓ	S1	S2	A	φd											
螺纹加工 Thread processing	TTX32R 5501 5502	-	28-10 14-10	0.1 0.2	1.1 1.1	0.5 0.5	9.525	4.4		●	●	●	●	●	●	●	●	●	●

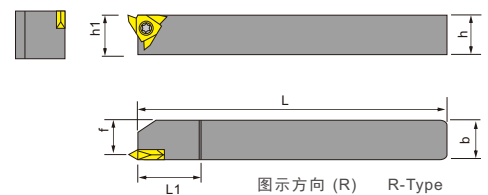
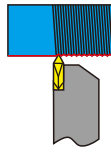
用途 Application	规格型号 Specification	螺距 Pitch of Screw		尺寸 Dimension (mm)						PCD	CBN-K	CBN-S	ZN60	ZK01	ZM26	ZP15	ZP680	ZM856	ZM860
		(mm)	(tpi)	rℓ	S1	S2	A	φd											
螺纹加工 Thread processing	TTX32L 5501 5502	-	28-10 14-10	0.1 0.2	1.1 1.1	0.5 0.5	9.525	4.4		●	●	●	●	●	●	●	●	●	●

KTTXR

钢柄 Steel



外螺纹车削
External Thread Turning

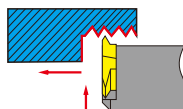


刀片 (Inserts): B117 零配件 (Toolholder Parts): P03-P05

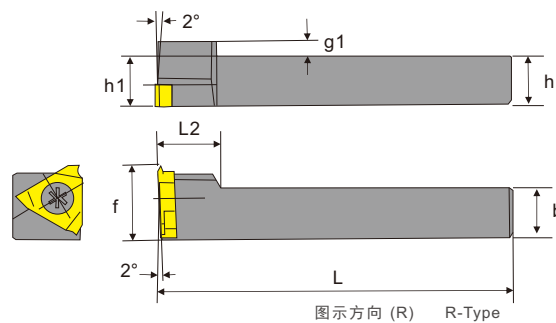
刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	螺丝 Screw	扳手 Wrench	Stock	Order Number	
	h	b	L	L1	h1	f						
KTTXR/L1010JX32	10	10	120	20	10	12	TTX32..	M4×10	L2.5 T15	●	●	232500
KTTXR/L1212JX32	12	12	120	20	12	16				●	●	232502
KTTXR/L1616JX32	16	16	120	20	16	20				●	●	232504
KTTXR/L2020JX32	20	20	120	22	20	25				●	●	232506
KTTXR/L2020K43	20	20	125	28	20	25				●	●	232508
KTTXR/L2525M43	25	25	150	30	25	32	TT43..	M5×12		●	●	232510
KTTXR/L3232P43	32	32	170	30	32	40				●	●	232512

KTTXSL 型

KTTXSL Type



螺纹车削加工
Threading



刀片 (Inserts): B117 零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock	Order Number	
	g1	h=h1	b	L	L2	f						
KTTXSR/L 1010H16	2	10	10	100	12	16	TTX32..	T15	M4.0×10	○	●	232513
1212H16	0	12	12	100	16	20				○	●	232514
1616H16	0	16	16	100	20	24				○	●	232515
2020K16	0	20	20	125	25	30				○	●	232516
2525M16	0	25	25	150	32	35				○	○	232517

螺纹车削

外圆/内孔螺纹车刀 External / internal thread turning tool



螺纹应用领域：一般工业
Thread Application: General Industry

Material	切削形态: ● 稳定切削 (Stable Cutting) ● 一般切削 (General Cutting)	材料	PCD	CBN-K	CBN-S	ZN60	ZK01	ZM26	ZP150	ZP680	ZM856	ZM860
Material	切削环境: ☺ 一般切削(第二推荐) (General Cutting (Second recommend)) ☹ 不稳定切削 (Unstable Cutting)	P	●	●	●	●	●	●	●	●	●	●
P	钢 (Steel)	M	●	●	●	●	●	●	●	●	●	●
M	不锈钢 (Stainless Steel)	K	●	●	●	●	●	●	●	●	●	●
K	铸铁 (Iron)	N	●	●	●	●	●	●	●	●	●	●
N	铝/铜/镁/锌/塑料/木材 (Aluminum/Copper/Magnesium/Zinc/Plastic/Wood)	S	●	●	●	●	●	●	●	●	●	●
S	硬质合金/粉末冶金 (Carbide/Powder Metallurgy)	H	●	●	●	●	●	●	●	●	●	●
H	钛/高温合金/碳纤维 (Titanium/Superalloy/Carbon Fiber)		●	●	●	●	●	●	●	●	●	●

车削刀柄

CSV 凸轮车床刀具

DS 刀柄

正面排刀

Y轴刀柄

前车削

后车削

小径切槽切断螺纹

小孔加工

滚花车花

焊接车刀夹头

外圆车削

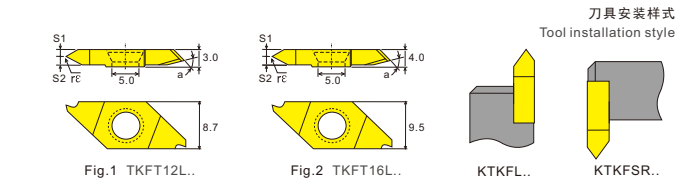
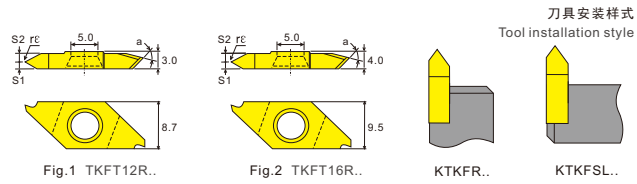
内孔车削

螺纹车削

切槽切断

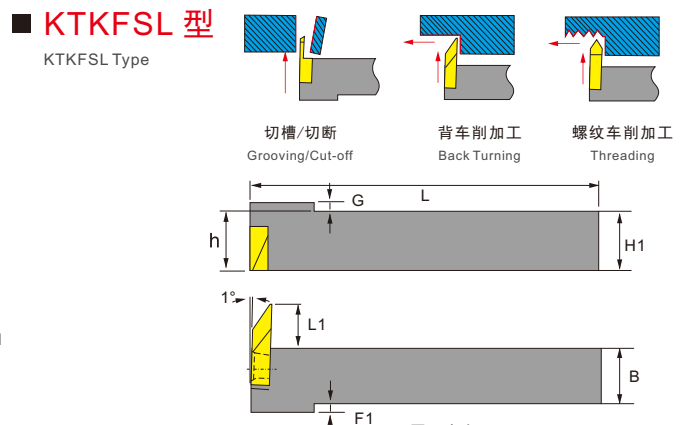
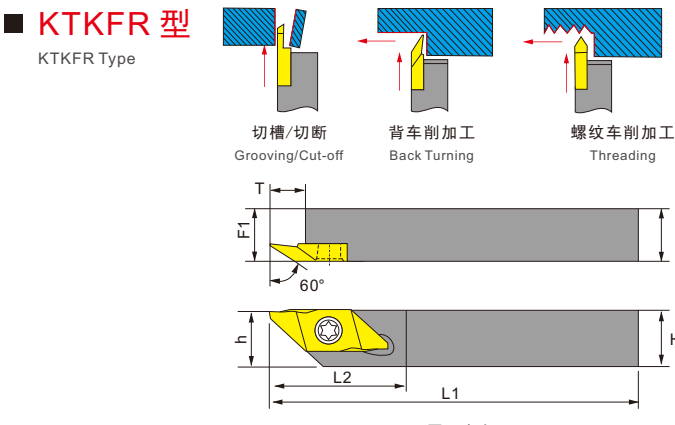
端面切槽

阻尼模组



用途 Application	规格型号 Specification	螺距 Pitch of Screw		尺寸 Dimension (mm)							PCD	CBN-K	CBN-S	ZN60	ZK01	ZM26	ZP150	ZP680	ZM856	ZM860			
		(mm)	(tpi)	rℓ	S1	S2	a	Fig															
螺纹加工 Thread processing	TKFT12R A6000 B6000 A60005 B60005 N6001	0.2-0.6	64-48	<0.05	0.4	2.1					●	●	●	●	●	●	●	●	●	●	●		
		0.2-0.6	64-48	<0.05	2.1	0.4					●	●	●	●	●	●	●	●	●	●	●	●	
		0.5-1.25	48-24	0.05	0.8	1.7	60°	1			●	●	●	●	●	●	●	●	●	●	●	●	
		0.5-1.25	48-24	0.05	1.7	0.8					●	●	●	●	●	●	●	●	●	●	●	●	●
		1.0-1.50	24-18	0.1	1.25	1.25					●	●	●	●	●	●	●	●	●	●	●	●	●
螺纹加工 Thread processing	TKFT16R A6000 B6000 A60005 B60005 N6001	0.2-0.6	64-48	<0.05	0.4	2.1					●	●	●	●	●	●	●	●	●	●	●		
		0.2-0.6	64-48	<0.05	2.1	0.4					●	●	●	●	●	●	●	●	●	●	●	●	
		0.5-1.25	48-24	0.05	0.8	1.7	60°	2			●	●	●	●	●	●	●	●	●	●	●	●	
		0.5-1.25	48-24	0.05	1.7	0.8					●	●	●	●	●	●	●	●	●	●	●	●	●
		1.0-1.50	24-18	0.1	1.25	1.25					●	●	●	●	●	●	●	●	●	●	●	●	●
螺纹加工 Thread processing	TKFT12R A55005 B55005	-	40-16	0.05	0.8	1.7	55°	1			●	●	●	●	●	●	●	●	●	●	●		
		-	40-16	0.05	1.7	0.8					●	●	●	●	●	●	●	●	●	●	●	●	
螺纹加工 Thread processing	TKFT16R A55005 B55005	-	40-16	0.05	0.8	1.7	55°	2			●	●	●	●	●	●	●	●	●	●	●		
		-	40-16	0.05	1.7	0.8					●	●	●	●	●	●	●	●	●	●	●	●	

用途 Application	规格型号 Specification	螺距 Pitch of Screw		尺寸 Dimension (mm)							PCD	CBN-K	CBN-S	ZN60	ZK01	ZM26	ZP150	ZP680	ZM856	ZM860			
		(mm)	(tpi)	rℓ	S1	S2	a	Fig															
螺纹加工 Thread processing	TKFT12L A6000 B6000 A60005 B60005 N6001	0.2-0.6	64-48	<0.05	2.1	0.4					●	●	●	●	●	●	●	●	●	●	●		
		0.2-0.6	64-48	<0.05	0.4	2.1					●	●	●	●	●	●	●	●	●	●	●	●	
		0.5-1.25	48-24	0.05	1.7	0.8	60°	1			●	●	●	●	●	●	●	●	●	●	●	●	
		0.5-1.25	48-24	0.05	0.8	1.7					●	●	●	●	●	●	●	●	●	●	●	●	●
		1.0-1.50	24-18	0.1	1.25	1.25					●	●	●	●	●	●	●	●	●	●	●	●	●
螺纹加工 Thread processing	TKFT16L A6000 B6000 A60005 B60005 N6001	0.2-0.6	64-48	<0.05	2.1	0.4					●	●	●	●	●	●	●	●	●	●	●		
		0.2-0.6	64-48	<0.05	0.4	2.1					●	●	●	●	●	●	●	●	●	●	●	●	
		0.5-1.25	48-24	0.05	1.7	0.8	60°	2			●	●	●	●	●	●	●	●	●	●	●	●	
		0.5-1.25	48-24	0.05	0.8	1.7					●	●	●	●	●	●	●	●	●	●	●	●	●
		1.0-1.50	24-18	0.1	1.25	1.25					●	●	●	●	●	●	●	●	●	●	●	●	●
螺纹加工 Thread processing	TKFT12L A55005 B55005	-	40-16	0.05	1.7	0.8	55°	1			●	●	●	●	●	●	●	●	●	●	●		
		-	40-16	0.05	0.8	1.7					●	●	●	●	●	●	●	●	●	●	●	●	
螺纹加工 Thread processing	TKFT16L A55005 B55005	-	40-16	0.05	1.7	0.8	55°	2			●	●	●	●	●	●	●	●	●	●	●		
		-	40-16	0.05	0.8	1.7					●	●	●	●	●	●	●	●	●	●	●	●	



切槽/切断/背车/螺纹车削加工共用
Grooving/Cut-off/Back Turning/Threading

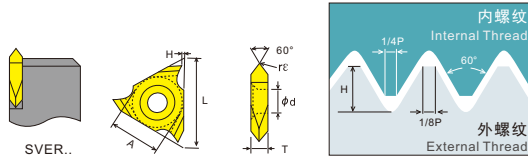
刀片 (Inserts): B118 零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	扳手 Wrench	螺丝 Screw	Stock		Order Number	Price (RMB)			
	H1=h	B	L1	L2	T	F1				R	L					
KTKFR/L	0808JX12	8	8	120	15	6	8	切断 TKF..12R.. 后扫 TKFB..12R.. 螺纹 TKFT..12R..	T20	M4.5×8	●	○	206100			
	1010JX12	10	10	120	15	6	10				●	○	206102			
	1212F-12	12	12	85	-	6	12				●	○	206104			
	1212JX12	12	12	120	-	6	12				●	○	206106			
	1616JX12	16	16	120	-	6	16				●	○	206108			
KTKFR/L	2020JX12	20	20	120	-	6	20	●	○	206110	T20	M4.5×8	●	○	206110	
	1010JX16	10	10	120	20	8	10	●	○	206112						
	1212F-16	12	12	85	-	8	12	●	○	206112						
	1212JX16	12	12	120	-	8	12	●	○	206114						
	1616JX16	16	16	120	-	8	16	●	○	206116						
KTKFSR/L	2020JX16	20	20	120	-	8	20	●	○	206118	T20	M4.5×8	●	○	206118	
	2525M16	25	25	150	-	8	30	●	○	206118						
	1010JX12	10	10	120	6.0	2	6	●	●	206121			300			
KTKFSR/L	1212JX12	12	12	120	6.0	0	4	●	●	206123	300					
	1616JX12	16	16	120	6.0	0	2	●	●	206125	300					
	2020JX12	20	20	120	6.0	0	0	●	●	206127	300					
	1010JX16	10	10	120	8.0	2	8	●	●	206129	300					
	1212JX16	12	12	120	8.0	0	6	●	●	206131	300					
KTKFSR/L	1616JX16	16	16	120	8.0	0	4	●	●	206133	300					
	2020JX16	20	20	120	8.0	0	2	●	●	206135	300					

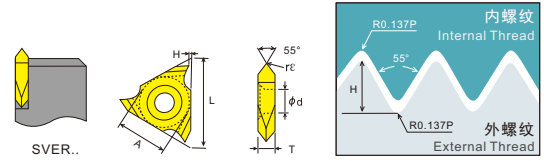
多种牙型 VER 高效低阻力 螺纹刀片

螺纹应用领域：一般工业
Thread Application: General Industry

公制 60°



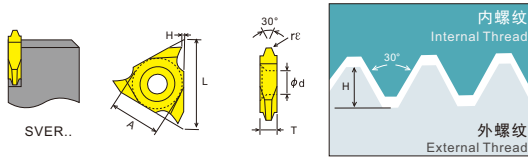
英制 55°



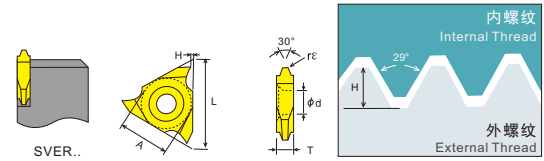
用途 Application	规格型号 Specification	螺距 Pitch (mm)	尺寸 Dimension (mm)						PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP150	ZP680	ZM856	ZM860	
			H	rε	L	T	A	φd											
外螺纹加工 External thread processing	[VER]																		
	16VER AG60	0.5-3.0	-	0.07															
	100ISO	1.0	0.7	0.07															
	150ISO	1.5	1.0	0.11	16	3.65	9.525	4.0											
	200ISO	2.0	1.3	0.14															
	250ISO	2.5	1.5	0.18															
	300ISO	3.0	1.6	0.22															
	22VER 400ISO	4.0	2.0	0.29															
	500ISO	5.0	2.4	0.36	22	4.9	12.7	5.1											
	600ISO	6.0	2.7	0.43															
27VER V60	6.0-9.0	-	0.87																
800ISO	8.0	-	-	27	8.7	15.87	6.35												
10.0ISO	10.0	-	-																

用途 Application	规格型号 Specification	螺距 Pitch (tpi)	尺寸 Dimension (mm)						PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP150	ZP680	ZM856	ZM860		
			H	rε	L	T	A	φd												
外螺纹加工 External thread processing	[VER]																			
	16VER AG55	48-8	-	0.07	16	3.65	9.525	4.0												
	27VER V55	4-2.5	-	0.88																
	4W	4			27	8.7	15.87	6.35												
	3W	3																		
2.5W	2.5																			

DIN103



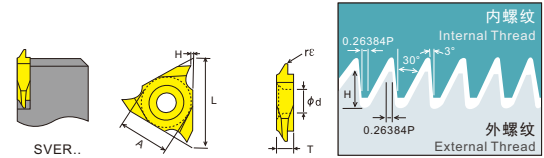
ACME



用途 Application	规格型号 Specification	螺距 Pitch (mm)	尺寸 Dimension (mm)						PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP150	ZP680	ZM856	ZM860				
			H	rε	L	T	A	φd														
外螺纹加工 External thread processing	[VER]																					
	22VER 4.0TR	4.0	0.1																			
	5.0TR	5.0	0.1	22	4.9	12.7	5.1															
	6.0TR	6.0	0.25																			
	27VER 6.0TR	6.0	0.25																			
	7.0TR	7.0	0.25																			
	8.0TR	8.0	0.25	27	8.7	15.87	6.35															
	9.0TR	9.0	0.25																			
	10.0TR	10.0	0.3																			
	12.0TR	12.0	0.5																			

用途 Application	规格型号 Specification	螺距 Pitch (tpi)	尺寸 Dimension (mm)						PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP150	ZP680	ZM856	ZM860			
			H	rε	L	T	A	φd													
外螺纹加工 External thread processing	[VER]																				
	22VER 6ACME	6	0.2																		
	5ACME	5	0.25	22	4.9	12.7	5.1														
4ACME	4	0.3																			
27VER 3.5ACME	3.5	0.3																			
3ACME	3	0.3	27	8.7	15.87	6.35															

SAGE



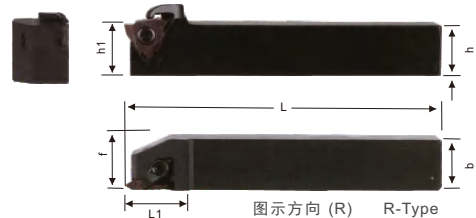
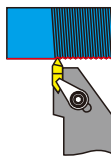
用途 Application	规格型号 Specification	螺距 Pitch (mm)	尺寸 Dimension (mm)						PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP150	ZP680	ZM856	ZM860			
			H	rε	L	T	A	φd													
外螺纹加工 External thread processing	27VER 8.0 SAGE	8.0	0.8	27	8.7	15.87	6.35														

SVER

钢柄
Steel



外螺纹车削
External Thread Turning



图示方向 (R) R-Type

刀片 (Inserts): B119 零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	压板 Clamp	双头螺钉 Screw	扳手 Wrench	Stock		Order Number
	h	b	L	L1	h1	f	R						L		
SVER/L 2020K22	20	20	125	28	20	25		22VER/L..	M4.5×14				●	●	232400
2525M22	25	25	150	30	25	30	●						●	232402	
SVER/L 2525M27-6	25	25	150	35	25	30		27VER/L..	M6×20	HL1814	M6×20	T20 PL30	●	●	232404
3232P27-6	32	32	170	35	32	36	●						●	232406	
3232P27-8	32	32	170	35	32	36	●						●	232408	
3232P27-10	32	32	170	35	32	36	●						●	232410	
4040R27-6	40	40	200	35	40	45	●						●	232412	
4040R27-8	40	40	200	35	40	45	●						●	232414	
4040R27-10	40	40	200	35	40	45	●						●	232416	

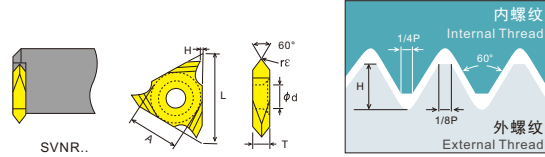
螺纹车削

外圆/内孔螺纹车刀 External / internal thread turning tool

VNR 多种牙型
高效低阻力
螺纹刀片

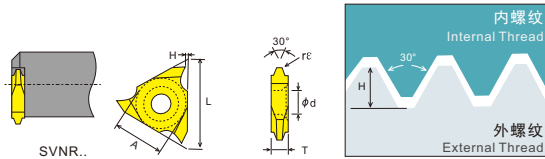
螺纹应用领域：一般工业
Thread Application: General Industry

公制 60°



用途 Application	规格型号 Specification	螺距 Pitch	尺寸 Dimension (mm)							材料 Material									
			H	r _e	L	T	A	φ _d	PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP15	ZP80	ZM86	ZM860	
内螺纹加工 Internal thread processing	16VNR AG60	0.5-3.0	-	0.07															
	[VNR]	(mm)																	
	100ISO	1.0	0.7	0.07															
	150ISO	1.5	1.0	0.08															
	200ISO	2.0	1.3	0.12															
	250ISO	2.5	1.5	0.15															
	300ISO	3.0	1.6	0.18															
	22VNR	400ISO	4.0	2.0	0.25														
	500ISO	5.0	2.4	0.32															
	600ISO	6.0	2.7	0.39															
	27VNR	V60	6.0-9.0	-	0.43														
	800ISO	8.0	-	-															
10.0ISO	10.0	-	-																

DIN103



用途 Application	规格型号 Specification	螺距 Pitch	尺寸 Dimension (mm)							材料 Material								
			H	r _e	L	T	A	φ _d	PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP15	ZP80	ZM86	ZM860
内螺纹加工 Internal thread processing	22VNR	4.0TR	4.0	0.1														
	5.0TR	5.0	0.1															
	6.0TR	6.0	0.25															
	27VNR	6.0TR	6.0	0.25														
	7.0TR	7.0	0.25															
	8.0TR	8.0	0.25															
	9.0TR	9.0	0.25															
	10.0TR	10.0	0.3															
	12.0TR	12.0	0.5															

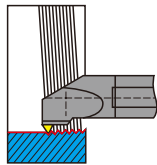
SVNR

钢柄
Steel



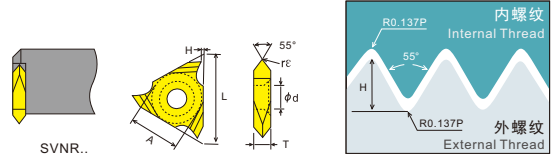
立装牙刀
Vertical

内孔螺纹车削
Internal Thread Turning



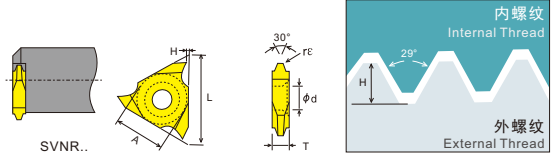
Material	切削形态 Cutting Environment	稳定切削 Stable Cutting	一般切削 General Cutting	不稳定切削 Unstable Cutting	材料 Material														
					PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP15	ZP80	ZM86	ZM860					
P	钢	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
M	不锈钢	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
K	铸铁	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
N	铝/铜/镁/锌/塑料/木材	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
S	硬质合金/粉末冶金	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
H	钛/高温合金/碳纤维	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

英制 55°



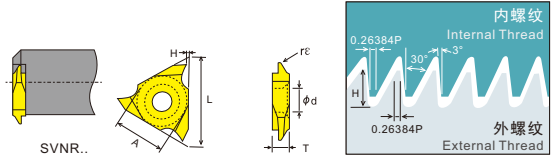
用途 Application	规格型号 Specification	螺距 Pitch	尺寸 Dimension (mm)							材料 Material								
			H	r _e	L	T	A	φ _d	PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP15	ZP80	ZM86	ZM860
内螺纹加工 Internal thread processing	16VNR AG55	48-8	-	0.06	16	3.65	9.525	4.0										
	[VNR]	(tpi)																
	27VNR V55	4-2.5	-	0.89														
	4W	4																
3W	3																	
2.5W	2.5																	

ACME



用途 Application	规格型号 Specification	螺距 Pitch	尺寸 Dimension (mm)							材料 Material								
			H	r _e	L	T	A	φ _d	PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP15	ZP80	ZM86	ZM860
内螺纹加工 Internal thread processing	22VNR	6ACME	6	0.2														
	5ACME	5	0.25															
	4ACME	4	0.3															
	27VNR	3.5ACME	3.5	0.3														
	3ACME	3	0.3															

SAGE



用途 Application	规格型号 Specification	螺距 Pitch	尺寸 Dimension (mm)							材料 Material								
			H	r _e	L	T	A	φ _d	PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP15	ZP80	ZM86	ZM860
内螺纹加工 Internal thread processing	27VNR	8.0 SAGE	8.0	0.2	27	8.7	15.87	6.35										

刀片 (Inserts): B120 零配件 (Toolholder Parts): P03-P05

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	φD _{min}	φd	f	L	L1	H	W				R	L	
SVNR/L 0020Q16	24	20	13.6	180	20	18	3.65	16VNR/L..	M3.5×10	T15	●	●	231600
0025R16	29	25	16.1	200	20	23	3.65				●	●	231602
0032S16	36	32	19.6	250	32	30	3.65				●	●	231604
SVNR/L 0025R22	32	25	17.5	200	20	23	4.76	22VNR/L..	M4.5×12	T20	●	●	231606
0032S22	39	32	21.0	250	30	30	4.76				●	●	231608
SVNR/L 0032S27-6	41	32	22.5	250	32	30	6.4				●	●	231610
0040T27-6	50	40	28.5	300	40	38	6.4	27VNR/L..	M6.0×20	T20	●	●	231612
0040T27-8	50	40	28.5	300	40	38	8.7				●	●	231614
0040U27-10	50	40	28.5	350	40	38	-				●	●	231616
0050U27-8	60	50	33.5	350	50	48	8.7				●	●	231618
0050U27-10	60	50	33.5	350	50	48	-				●	●	231620

车削
车刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
车刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

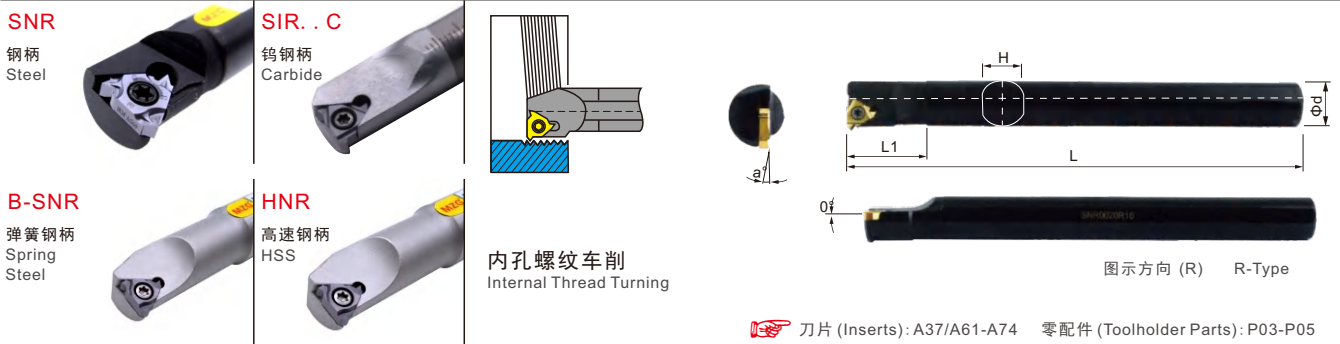
螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

车削刀柄
CSV
凸轮车床刀具
DS
刀柄
正面排刀



刀片 (Inserts): A37/A61-A74 零配件 (Toolholder Parts): P03-P05

Y轴刀柄
前车削
后车削
小径切槽
切断螺纹
小孔加工

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	垫片 Shim	螺丝 Screw	扳手 Wrench	侧螺丝 Screw	Stock		Order Number						
	øD _{min}	ød	f	L	L1	H	α°						R	L							
SNR/L0007J08	9	7	5.3	110	15	6.4	15°	08NR/L..		M2.2×5	T7		●	●	231100						
SNR/L0008K08	11	8	6.6	125	15	7							●	●	231102						
SNR/L0008K11	11	8	6	125	15	7							●	●	231103						
SNR/L0010K11	13	10	7.2	125	18	9	15°	11NR/L..		M2.5×7	T8		●	●	231104						
SNR/L0012M11	16	12	8.7	150	18	11							●	●	231106						
SNR/L0013N11	15	13	8	160	18	12							●	●	231108						
SNR/L0016Q11	18	16	9.5	180	20	15							●	●	231109						
SNR/L0013N16	17	13	10.2	160	25	12							●	●	231110						
SNR/L0014N16	17	14	9.5	160	25	13	15°	16NR/L..		M3.5×10	T15		●	●	231112						
SNR/L0016Q16	20	16	11.5	180	25	14.6							●	●	231114						
SNR/L0018Q16	21	18	11.5	180	25	16.8							●	●	231116						
SNR/L0020R16	24	20	13.5	200	28	18.4							●	●	231118						
SNR/L0025S16	29	25	16	250	32	23.4							●	●	231120						
SNR/L0032T16	36	32	19.5	300	38	30							●	●	231122						
SNR/L0040T16	44	40	23.5	300	42	38							●	●	231124						
SNR/L0050U16	54	50	28.5	350	50	48							●	●	231126						
SNR/L0020R22	24	20	13.5	200	32	18.4							15°	22NR/L..	STM1603R STM1603L	M3.5×12	T15	M3×8C	●	●	231128
SNR/L0025S22	31	25	18	250	32	23.4													●	●	231130
SNR/L0032T22	38	32	21.5	300	38	30	●	●	231132												
SNR/L0040T22	46	40	25.5	300	42	38	15°	22NR/L..	STM1603R STM1603L	M4.5×12	T15 T20	M3×8C	●	●	231134						
SNR/L0050U22	56	50	30.5	350	50	48							●	●	231136						

滚花车花

碳化钨钢防震刀杆 (防震效果>8倍柄径) Carbide Steel Shock-Proof Toolholder (Shock-Proof Effect > 8 Times Toolholder Diameter)

刀把型号	øD _{min}	ød	f	L	L1	H	α°	刀片 Insert	垫片 Shim	螺丝 Screw	扳手 Wrench	侧螺丝 Screw	Stock R	Stock L	Order Number
SIR0005H-06C-6.4	6.4	5	4.3	100	15	4.5	15°	06NR/L..		M2×4	T6		●	●	231138
SIR0008K-08C-09-20	9	8	5	125	20	7							●	●	231140
SIR0008K-08C-10-20	10	8	5.5	125	20	7							●	●	231142
SIR0008K-08C-10	10	8	5.9	125	20	7		11NR/L..		M2.5×6	T8		●	●	231144
SIR0010M-11C-12	12	10	7.4	150	20	9							●	●	231146
SIR0012M-11C-15	15	12	8.5	150	20	11							●	●	231148
SIR0016M-16C-19	19	16	11.7	150	25	14.6							16NR/L..		M3.5×10
SIR0016R-16C-19	19	16	11.7	200	25	14.6		●	●	231152					
SIR0020R-16C-24	24	20	13.7	200	30	18.4		●	●	231154					
SIR0020S-16C-24	24	20	13.7	250	30	18.4		●	●	231156					
SIR0025S-16C-29	29	25	16.2	250	35	23.4	●	●	231158						

外圆车削

弹簧钢防震刀杆 (防震效果>4倍柄径) Spring Steel Shock-Proof Toolholder (Shock-Proof Effect > 4 Times Toolholder Diameter)

刀把型号	øD _{min}	ød	f	L	L1	H	α°	刀片 Insert	垫片 Shim	螺丝 Screw	扳手 Wrench	侧螺丝 Screw	Stock R	Stock L	Order Number					
B-SNR0006J06	8	6	4	110	12	5.4	15°	06NR/L..		M2×4	T6		●	●	231160					
B-SNR0006K06-A10	8	10	4	125	25	9							●	●	231162					
B-SNR0007J08	10	7	5.3	110	12	6.2							08NR/L..		M2.2×5	T6		●	●	231164
B-SNR0008K08	10	8	5.5	125	12	7		●	●	231166										
B-SNR0008K11	10	8	6	125	15	7		11NR/L..		M2.5×6	T8							●	●	231168
B-SNR0010K11	12	10	6.6	125	15	9												●	●	231170
B-SNR0012M11	16	12	6.8	150	15	11							●	●	231172					
B-SNR0013N16	18	13	9	160	22	12		16NR/L..		M3.5×10	T15		●	●	231174					
B-SNR0016Q16	20	16	10.5	180	25	15							●	●	231176					
B-SNR0020R16	25	20	13.5	200	30	18.4							●	●	231178					
B-SNR0025S16	30	25	16.5	250	35	23.4	●						●	231179						

端面切槽

高速钢防震刀杆 (防震效果>5倍柄径) High-Speed Steel Shock-Proof Toolholder (Shock-Proof Effect > 5 Times Toolholder Diameter)

刀把型号	øD _{min}	ød	f	L	L1	H	α°	刀片 Insert	垫片 Shim	螺丝 Screw	扳手 Wrench	侧螺丝 Screw	Stock R	Stock L	Order Number					
HNR0006J06	8	6	4	110	12	5.4	15°	06NR/L..		M2×4	T6		●	●	231180					
HNR0006K06-A10	8	10	4	125	25	9							●	●	231182					
HNR0007J08	10	7	5.3	110	12	6.2							08NR/L..		M2.2×5	T6		●	●	231184
HNR0008K08	10	8	5.5	125	12	7		●	●	231186										
HNR0008K11	10	8	6	125	15	7		11NR/L..		M2.5×6	T8							●	●	231188
HNR0010K11	12	10	6.6	125	15	9												●	●	231190
HNR0012M11	16	12	6.8	150	15	11							●	●	231192					
HNR0013N16	18	13	9	160	22	12		16NR/L..		M3.5×10	T15		●	●	231194					
HNR0016Q16	20	16	10.5	180	25	15							●	●	231196					
HNR0020R16	25	20	13.5	200	30	18.4							●	●	231198					
HNR0025S16	30	25	16.5	250	35	23.4	●						●	231199						

阻尼模组

螺纹车削

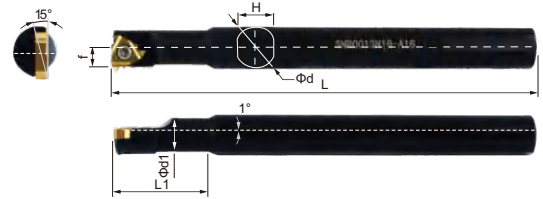
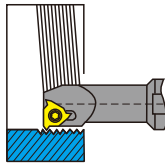
外圆/内孔螺纹车刀 External / internal thread turning tool

SNR

钢柄
Steel



内孔螺纹车削
Internal Thread Turning



刀片 (Inserts): A37/A61-A74 零配件 (Toolholder Parts): P03-P05

图示方向 (R) R-Type

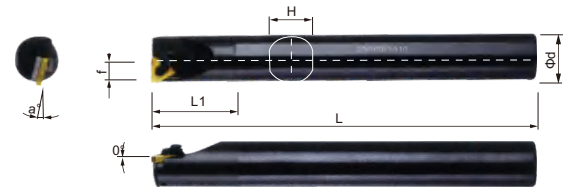
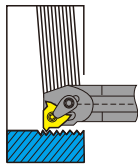
刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕd	f	L	L1	H	α°				R	L	
SINR/L0612K06-15	6.4	12	4.3	125	12	11	15°	06NR/L..	M2.0×4	T6	●	●	231200
SNR/L0816K08-18	8	16	5	125	18	14.6		08NR/L..	M2.2×5	T7	●	●	231202
SNR/L0010K11-A16	12	16	7.2	125	20	14.6		11NR/L..	M2.5×6	T8	●	●	231204
SNR/L0012M11-A16	15	16	8.7	150	25	14.6					●	●	231206
SNR/L0013N16-A16	16	16	10	160	25	14.6					●	●	231208
SNR/L1516M16-A16	15	16	8.5	150	30	14.6	16NR/L..	M3.5×10	T15	●	●	231210	

CNR

钢柄
Steel



内孔螺纹车削
Internal Thread Turning



刀片 (Inserts): A37/A61-A74 零配件 (Toolholder Parts): P03-P05

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	垫片 Shim	螺丝 Screw	压板 Clamp	双头螺钉 Screw	扳手 Wrench	Stock		Order Number
	ΦD	Φd	f	L	L1	H	α°							R	L	
CNR/L0025S16	29	25	16	250	32	23.4	15°	16NR/L..	STM1603R STM1603L	M3.5×8	HL1808	M6×18	T15 PL 25	●	●	231300
CNR/L0032T16	36	32	19.5	300	38	30						●		●	231302	
CNR/L0040T16	44	40	23.5	300	42	38						●	●	231304		
CNR/L0050U16	54	50	28.5	350	50	48						●	●	231306		
CNR/L0025S22	31	25	18	250	32	23.4						22NR/L..	STM22T3R STM22T3L	M4.5×10	HL1808	M6×22
CNR/L0032T22	38	32	21.5	300	38	30	●	●	231310							
CNR/L0040T22	46	40	25.5	350	42	38	●	●	231312							
CNR/L0050U22	56	50	30.5	250	50	48	●	●	231314							

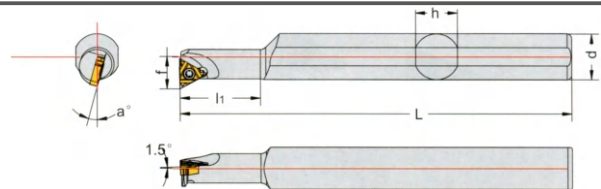
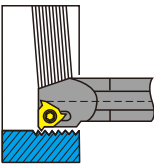
SIR..P

钢柄
Steel



偏心式
Eccentric

内孔螺纹车削
Internal Thread Turning



刀片 (Inserts): A37/A61-A74 零配件 (Toolholder Parts): P03-P05

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕd	f	L	L1	h	α°				R	L	
SIR/L 0007K08-12P	10	12	7.7	125	18.5	11	15°	08IR/L..	M2.2×5.5	T6	●	●	231400
0008K08-12P	10	12	8.4	125	21	11					●	●	231402
0008K11-12P	11	12	8.6	125	21	11					●	●	231404
0008K11-16P	11	16	10.6	125	21	15					●	●	231406
0010K11-12P	12	12	7.4	125	26	11		11IR/L..	M2.5×6	T8	●	●	231408
0010K11-16P	12	16	11.7	125	26	15					●	●	231410
0012M11-16P	15	16	11.7	150	31	15					●	●	231412

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

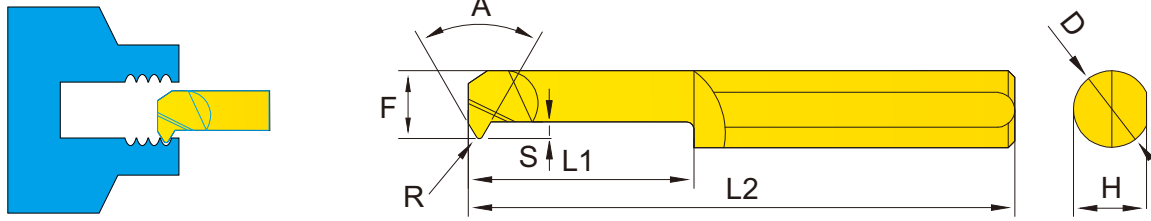
端面
切槽

阻尼
模组

车削
刀柄

STIR 内孔牙刀 公制/英制 60°/55° Internal Hole Thread Processing

CSV
凸轮
车床
刀具



DS
刀柄

正面
排刀

Y轴
刀柄

单位 (Unit): mm

前
车削

	规格型号 Model	F	L1	S	R	D	L2	美制螺纹 American	公制螺纹 Metric	螺距 Pitch		加工直径 ≥ Processing Diameter	牙型 A	订购编码 Order No.
										Min	Min			
后 车削	STIR 14050-60°	1.4	5.0	0.4	0.00	D4	50	UN-1,UN-2	M2	0.25	0.45	1.5mm	60°	207421
	18070-60°	1.8	7.0	0.6	0.00	D4	50	UN-3,UN-4	M2.5	0.25	0.7	1.5mm	60°	207422
	24070-60°	2.4	7.0	0.5	0.00	D4	50	UN-5,UN-6	M3	0.35	0.6	2.5mm	60°	207423
	30120-60°	3.0	12.0	0.85	0.03	D4	50	UN-8,UN-10	M4	0.5	0.8	3.1mm	60°	207424
小径 切槽 切断 螺纹	40150-60°	3.85	15.0	1.1	0.05	D4	50	UN-12,UN-14	M5/M6	0.5	1.0	4.0mm	60°	207425
	50150-60°	4.8	15.0	1.5	0.05	D5	50	UN1/4,UN5/16	M8	0.75	1.5	5.0mm	60°	207426
	60200-60°	5.6	20.0	1.8	0.08	D6	50	UN1/4,G1/16	M10	0.75	1.75	6.0mm	60°	207427
	80220-60°	7.8	22.0	2.2	0.08	D8	50	UN5/16,G1/8	M12	1.0	2.0	8.0mm	60°	207428

小孔
加工

55°牙型英制螺纹 55° Profile Angle Inch Thread

滚花 车花	STIR 40150-55°	3.85	15.0	1.1	0.05	D4	50	1/4-20BSW				4.0mm	55°	207430
	50150-55°	4.8	15.0	1.5	0.05	D5	50	5/16-18BSW				5.0mm	55°	207431
	60200-55°	5.6	20.0	1.8	0.08	D6	50	3/8-16,G1/16,G1/8-28				6.0mm	55°	207432
	80220-55°	7.8	22.0	2.2	0.08	D8	50	1/2-12BSW,G1/4-19				8.0mm	55°	207433

焊接
车刀
夹头

60°反牙螺纹 60° Reverse Thread

外圆 车削	STIL 40150-60°	3.85	15.0	1.1	0.05	D4	50	UN-12,UN-14	M5/M6	0.5	1.0	4.0mm	60°	207435
	50150-60°	4.8	15.0	1.5	0.05	D5	50	UN1/4,UN5/16	M8	0.75	1.5	5.0mm	60°	207436
	60200-60°	5.6	20.0	1.8	0.08	D6	50	UN1/4,G1/16	M10	0.75	1.75	6.0mm	60°	207437
	80220-60°	7.8	22.0	2.2	0.08	D8	50	UN5/16,G1/8	M12	1.0	2.0	8.0mm	60°	207438

内孔
车削

螺纹
车削

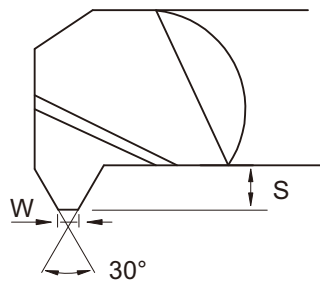
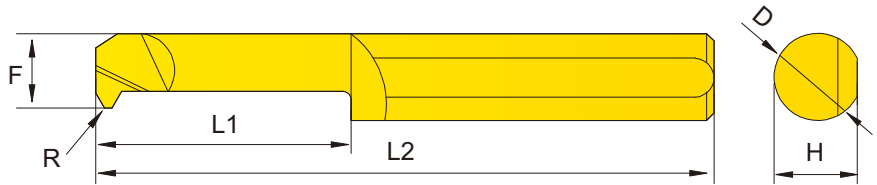
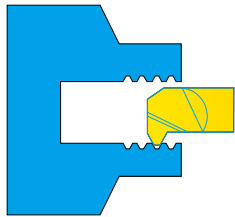
切槽
切断

端面
切槽

阻尼
模组

STIR 梯形牙刀 30°

30°Internal Hole Thread Processing



单位 (Unit) : mm

规格型号 Model	F	L1	S	R	D	L2	螺距 Pitch	库存 Stock	加工直径 ≥ Processing Diameter	订购编码 Order No.
STIR80250-1.5TR	6.2	25	1.3	0.1	D8	60	1.5TR	○	Tr8x1.5 Tr9x1.5	207441
STIR80250-2.0TR	6.5	25	1.8	0.2	D8	60	2.0TR	○	Tr9x2.0 Tr10x2.0	207442
STIR80300-3.0TR	7.5	30	2.5	0.2	D8	60	3.0TR	○	Tr11x3.0 Tr12x3.0 Tr14x3.0	207443
STIR100350-4.0TR	9.5	35	2.8	0.2	D10	75	4.0TR	○	Tr14x4.0 Tr16x4.0 Tr18x4.0	207444

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

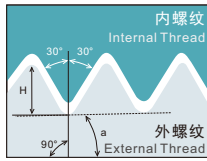
切槽
切断

端面
切槽

阻尼
模组

API RD

圆齿
天然气工业
石油管螺纹



螺纹应用领域：石油及天然气工业用螺纹
Thread Application: Threads for petroleum and natural gas industries

Material	切削形态: Cutting Environment	稳定切削 Stable Cutting	一般切削 General Cutting	不稳定切削 Unstable Cutting	PCD
P	钢 Steel	●	●	●	● ● ● ● ● ● ● ●
M	不锈钢 Stainless Steel	●	●	●	● ● ● ● ● ● ● ●
K	铸铁 Iron	●	●	●	● ● ● ● ● ● ● ●
N	铝/铜/镁/锌/塑料/木材 Aluminum/Copper/Magnesium/Zinc/Plastic/Wood	●	●	●	● ● ● ● ● ● ● ●
S	硬质合金/粉末冶金 Carbide/Powder Metallurgy	●	●	●	● ● ● ● ● ● ● ●
H	钛/高温合金/碳纤维 Titanium/Superalloy/Carbon Fiber	●	●	●	● ● ● ● ● ● ● ●

车削刀柄
CSV
凸轮车床刀具

DS
刀柄
正面排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

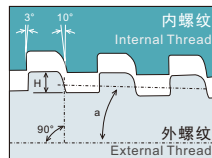
用途 Application	尺寸标示 Dimensioning	规格型号 Specification	螺距 Pitch (tpi)	尺寸 Dimension (mm)				PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP15	ZP150	ZP680	ZM856	ZM860
				齿数	a	X	Y											
外螺纹加工 External thread processing		22ER 10APIRD-4 8APIRD-3	10 8	4 3	1.47° 0.32	0.18 0.32	17.1 17.1											

刀柄 (Toolholder): B126

用途 Application	尺寸标示 Dimensioning	规格型号 Specification	螺距 Pitch (tpi)	尺寸 Dimension (mm)				PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP15	ZP150	ZP680	ZM856	ZM860
				齿数	a	X	Y											
内螺纹加工 Internal thread processing		22IR 10APIRD-4 8APIRD-3	10 8	4 3	1.47° 0.32	0.18 0.32	17.1 17.1											

刀柄 (Toolholder): B127-B128

BUT
梯形
套管
石油管螺纹



刀片规格 Inserts	适用螺纹管规格 Applicable specification of threaded pipe
5BUT75	4-1/2"-13/8"
5BUT1	16"-20"

螺纹应用领域：石油梯形套管用螺纹
Thread Application: Thread for petroleum trapezoidal casing

用途 Application	尺寸标示 Dimensioning	规格型号 Specification	螺距 Pitch (tpi)	尺寸 Dimension (mm)				PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP15	ZP150	ZP680	ZM856	ZM860
				齿数	a	X	Y											
外螺纹加工 External thread processing		22ER 5BUT75-2	5	2	0.75°	2.05	16.8											
外螺纹加工 External thread processing		27ER 5BUT75-3	5	3	0.75°	2.46	21.9											

刀柄 (Toolholder): B126

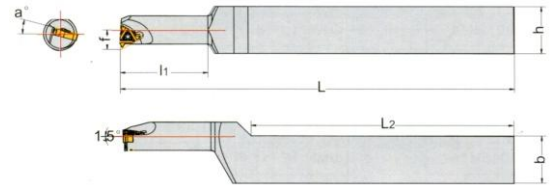
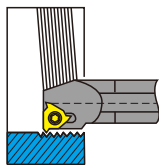
用途 Application	尺寸标示 Dimensioning	规格型号 Specification	螺距 Pitch (tpi)	尺寸 Dimension (mm)				PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP15	ZP150	ZP680	ZM856	ZM860
				齿数	a	X	Y											
内螺纹加工 Internal thread processing		22IR 5BUT75-2	5	2	0.75°	1.14	16.65											
内螺纹加工 Internal thread processing		27IR 5BUT75-3	5	3	0.75°	2.46	21.9											

刀柄 (Toolholder): B127-B128



四方柄
Square Shank

内孔螺纹车削
Internal Thread Turning



刀片 (Inserts): A37/A61-A74 零配件 (Toolholder Parts): P03-P05

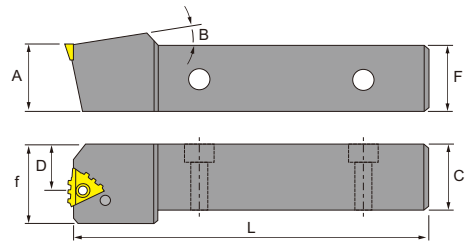
图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions								刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	øD _{min}	ød	f	L	L1	h	b	α°				R	L	
SIR/L 0007M08-S20	10	7	5.3	150	22	20	20	15°	08IR/L..	M2.2×5.5	T6	●	●	231500
0008M08-S20	11	8	5.8	150	25	20	20					●	●	231502
0010M11-S20	12	10	7.4	150	31	20	20		11IR/L..	M2.5×6	T8	●	●	231504
0012P11-S20	15	12	8.4	170	37	20	20					●	●	231506
0013P16-S20	16	13	10.2	170	40	20	20		16IR/L..	M3.5×7	T15	●	●	231508
0016Q16-S20	19	16	11.7	180	49	20	20					●	●	231510
0007M08-S25	10	7	5.3	150	22	25	25		08IR/L..	M2.2×5.5	T6	●	●	231512
0008M08-S25	11	8	5.8	150	25	25	25					●	●	231514
0010M11-S25	12	10	7.4	150	31	25	25		11IR/L..	M2.5×6	T8	●	●	231516
0012M11-S25	15	12	8.4	150	37	25	25					●	●	231518
0016Q16-S25	19	16	11.7	180	49	25	25		16IR/L..	M3.5×7	T15	●	●	231520
0020R16-S25	24	20	13.7	200	61	25	25					●	●	231522
0020R22-S25	24	20	15.6	200	61	25	25		22IR/L..	M4×12	T15	●	●	231524

螺纹车削

外圆/内孔螺纹车刀 External / internal thread turning tool

PER.. 杠杆锁紧式
天然气工业
石油管外螺纹



附注：E为刀具螺旋升角
Note: E is the tool helix angle

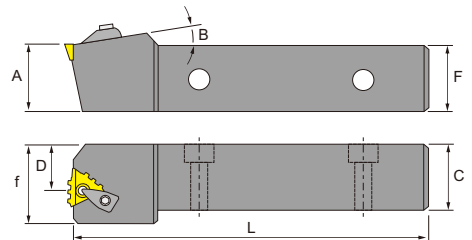
杠杆 Lever	杠杆螺丝 Lever Screw	扳手 Wrench
L4-1	M6×18	PL30

刀片 (Inserts): B125 零配件 (Toolholder Parts): P03-P05

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions								加工范围 Processing Range	刀片 Insert	刀垫 Shim	Stock		Order Number
	L	f	A	B	C	D	E	F				R	L	
PER 2525-175-B17A	175	29	25	5°	25	21.5	70°	25	2-3/8"~3-1/2"	22ER10RD2-4	BE17	○	○	232250
3232-175-B17A	175	38	32	5°	32	26.5	70°	32	2-3/8"~3-1/2"	22ER8RD2-3		○	○	232251
3232-175-B17B	175	38	32	5°	32	26.5	50°	32	4"~5-1/2"	22ER8RD2-3		○	○	232252
3232-175-B17C	175	38	32	5°	32	26.5	30°	32	6-5/8"~8-5/8"			○	○	232253
3232-175-B17D	175	38	32	5°	32	26.5	15°	32	9-5/8"~13-3/8"	22ER8RD2-3	○	○	232254	
4040-175-B17D	175	40	40	5°	40	26.5	15°	40			○	○	232255	
3232-175-B17B-10	175	38	32	10°	32	25	60°	32	4-1/2"~6-5/8"	22ER5BU2-2	BE17	○	○	232256
3232-175-B17C-10	175	38	32	10°	32	25	40°	32	7"~11-1/2"			○	○	232257
3232-175-B17D-10	175	38	32	10°	32	25	20°	32	13-3/8"~20"			○	○	232258
4040-175-B17D-10	175	40	40	10°	40	25	20°	40	13-3/8"~20"	27ER5BU2-3	BE23	○	○	232259
3240-175-B23B-10	175	38	32	10°	32	25	60°	32	4-1/2"~6-5/8"			○	○	232260
3240-175-B23C-10	175	38	32	10°	32	25	40°	32	7"~11-1/2"	27ER5BU2-3	BE23	○	○	232261
3240-175-B23D-10	175	38	32	10°	32	25	20°	32	13-3/8"~20"			○	○	232262
4040-175-B23D-10	175	40	40	10°	40	25	20°	40	13-3/8"~20"			○	○	232263

TER.. 压板锁紧式
套管
石油管外螺纹



附注：E为刀具螺旋升角
Note: E is the tool helix angle

压板 Clamp	压板螺丝 Clamp Screw	弹簧 Spring	刀垫螺丝 Shim Screw	弹性销 Pin	压板扳手 Clamp Wrench	刀垫扳手 Shim Wrench
CL2	M5×20	Ø7×11	M4×8	Ø2×10	PL30	T15

刀片 (Inserts): B125 零配件 (Toolholder Parts): P03-P05

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions								加工范围 Processing Range	刀片 Insert	刀垫 Shim	Stock		Order Number
	L	f	A	B	C	D	E	F				R	L	
TER 2525-175-B17A	175	29	25	5°	25	21.5	70°	25	2-3/8"~3-1/2"	22ER10RD2-4	TE17	○	○	232264
3232-175-B17A	175	38	32	5°	32	26.5	70°	32	2-3/8"~3-1/2"	22ER8RD2-3		○	○	232265
3232-175-B17B	175	38	32	5°	32	26.5	50°	32	4"~5-1/2"	22ER8RD2-3		○	○	232266
3232-175-B17C	175	38	32	5°	32	26.5	30°	32	6-5/8"~8-5/8"			○	○	232267
3232-175-B17D	175	38	32	5°	32	26.5	15°	32	9-5/8"~13-3/8"	22ER8RD2-3	○	○	232268	
4040-175-B17D	175	40	40	5°	40	26.5	15°	40			○	○	232269	
3232-175-B17B-10	175	38	32	10°	32	25	60°	32	4-1/2"~6-5/8"	22ER5BU2-2	TE17	○	○	232270
3232-175-B17C-10	175	38	32	10°	32	25	40°	32	7"~11-1/2"			○	○	232271
3232-175-B17D-10	175	38	32	10°	32	25	20°	32	13-3/8"~20"			○	○	232272
4040-175-B17D-10	175	40	40	10°	40	25	20°	40	13-3/8"~20"	27ER5BU2-3	TE23	○	○	232273
3240-175-B23B-10	175	38	32	10°	32	25	60°	32	4-1/2"~6-5/8"			○	○	232274
3240-175-B23C-10	175	38	32	10°	32	25	40°	32	7"~11-1/2"	27ER5BU2-3	TE23	○	○	232275
3240-175-B23D-10	175	38	32	10°	32	25	20°	32	13-3/8"~20"			○	○	232276
4040-175-B23D-10	175	40	40	10°	40	25	20°	40	13-3/8"~20"			○	○	232277

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

车削刀柄

CSV
凸轮车削刀具

DS
刀柄

正面排刀

Y轴刀柄

前车削

后车削

小径切槽
切断螺纹

小孔加工

滚花车花

焊接车刀夹头

外圆车削

内孔车削

螺纹车削

切槽切断

端面切槽

阻尼模组

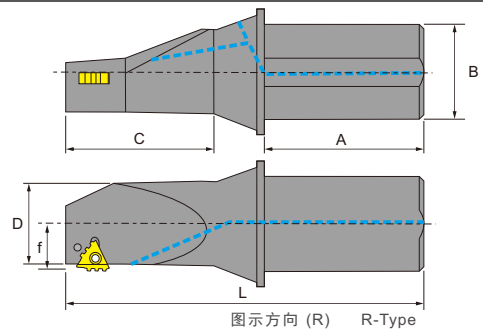
圆齿 PNR.. 天然气工业 石油管内螺纹



附注：E为刀具螺旋升角
Note: E is the tool helix angle



刀片 (Inserts): B125 零配件 (Toolholder Parts): P03-P05

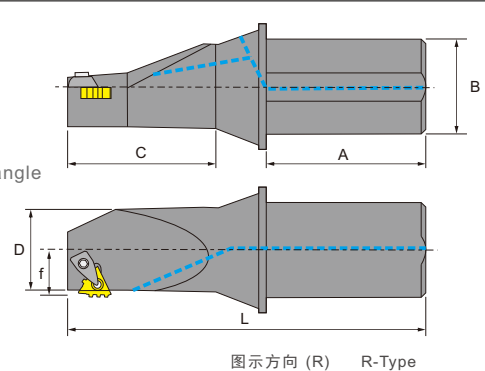


刀把型号 Ordering code	尺寸 Dimensions								加工范围 Processing Range	刀片 Insert	刀垫 Shim	Stock		Order Number					
	L	f	A	B	C	D	E	R				L							
PNR 0040-205-B17A	205	26	80	40	100	42	70°	2-3/8"~3-1/2"	221R10RD2-4 221R8RD2-3 221R5BU2-2	BN17	○	○	231630						
0050-220-B17A	220	26	90	50	105	42	70°				○	○	231631						
0060-225-B17A	225	26	100	60	100	42	70°				○	○	231632						
0080-280-B17A	280	26	150	80	105	42	70°				○	○	231633						
0040-235-B17B	235	31	80	40	130	50	50°	4"~5-1/2"			221R10RD2-4 221R8RD2-3 221R5BU2-2	BN17	○	○	231634				
0050-273-B17B	273	36	90	50	158	56	50°						○	○	231635				
0060-273-B17B	273	36	90	60	158	56	50°						○	○	231636				
0080-300-B17B	300	36	140	80	158	56	50°						○	○	231637				
0060-278-B17C	278	36	100	60	158	56	30°	6-5/8"~8-5/8"					221R10RD2-4 221R8RD2-3 221R5BU2-2	BN17	○	○	231638		
0080-318-B17C	318	36	140	80	158	56	30°								○	○	231639		
0060-295-B17D	295	43	100	60	175	60	15°	9-5/8"~13-3/8"							221R10RD2-4 221R8RD2-3 221R5BU2-2	BN17	○	○	231640
0080-335-B17D	335	43	140	80	175	60	15°										○	○	231641
PNR 0050-273-B23B	273	36	90	50	158	56	50°	4"~5-1/2"	271R5BU2-3 271R8RD2-5	BN23							○	○	231642
0060-273-B23B	255	36	90	60	158	56	50°										○	○	231643
0080-300-B23B	300	36	140	80	158	56	50°										○	○	231644
0060-278-B23C	278	36	100	60	158	56	30°										○	○	231645
0080-318-B23C	318	36	140	80	158	56	30°	6-5/8"~8-5/8"			271R5BU2-3 271R8RD2-5	BN23					○	○	231646
0060-295-B23D	295	43	100	60	175	60	15°										○	○	231647
0080-335-B23D	335	43	140	80	175	60	15°	○									○	231648	

压板锁紧式 TNR.. 天然气工业 石油管内螺纹



附注：E为刀具螺旋升角
Note: E is the tool helix angle



刀片 (Inserts): B125 零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions								加工范围 Processing Range	刀片 Insert	刀垫 Shim	Stock		Order Number					
	L	f	A	B	C	D	E	R				L							
TNR 0040-205-B17A	205	26	80	40	100	42	70°	2-3/8"~3-1/2"	221R10RD2-4 221R8RD2-3 221R5BU2-2	TN17	○	○	231649						
0050-220-B17A	220	26	90	50	105	42	70°				○	○	231650						
0060-225-B17A	225	26	100	60	100	42	70°				○	○	231651						
0080-280-B17A	280	26	150	80	105	42	70°				○	○	231652						
0040-235-B17B	235	31	80	40	130	50	50°	4"~5-1/2"			221R10RD2-4 221R8RD2-3 221R5BU2-2	TN17	○	○	231653				
0050-273-B17B	273	36	90	50	158	56	50°						○	○	231654				
0060-273-B17B	273	36	90	60	158	56	50°						○	○	231655				
0080-300-B17B	300	36	140	80	158	56	50°						○	○	231656				
0060-278-B17C	278	36	100	60	158	56	30°	6-5/8"~8-5/8"					221R10RD2-4 221R8RD2-3 221R5BU2-2	TN17	○	○	231657		
0080-318-B17C	318	36	140	80	158	56	30°								○	○	231658		
0060-295-B17D	295	43	100	60	175	60	15°	9-5/8"~13-3/8"							221R10RD2-4 221R8RD2-3 221R5BU2-2	TN17	○	○	231659
0080-335-B17D	335	43	140	80	175	60	15°										○	○	231660
TNR 0050-273-B23B	273	36	90	50	158	56	50°	4"~5-1/2"	271R5BU2-3 271R8RD2-5	TN23							○	○	231661
0060-273-B23B	255	36	90	60	158	56	50°										○	○	231662
0080-300-B23B	300	36	140	80	158	56	50°										○	○	231663
0060-278-B23C	278	36	100	60	158	56	30°										○	○	231664
0080-318-B23C	318	36	140	80	158	56	30°	6-5/8"~8-5/8"			271R5BU2-3 271R8RD2-5	TN23					○	○	231665
0060-295-B23D	295	43	100	60	175	60	15°										○	○	231666
0080-335-B23D	335	43	140	80	175	60	15°	○									○	231667	

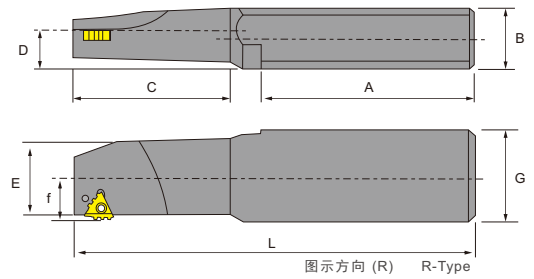
螺纹车削

外圆/内孔螺纹车刀 External / internal thread turning tool

PNR.. 杠杆锁紧式
天然气工业
石油管内螺纹



附注：E为刀具螺旋升角
Note: E is the tool helix angle



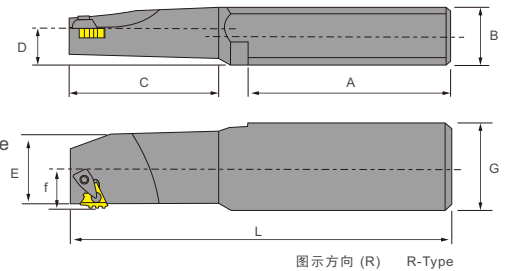
刀片 (Inserts): B125 零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions								加工范围 Processing Range	刀片 Insert	刀垫 Shim	Stock		Order Number		
	L	f	A	B	C	D	E	G				R	L			
PNR 2538-285-B17A	285	26	160	38	105	25	70°	62	2-3/8"~3-1/2"	22IR10RD2-4 22IR8RD2-3 22IR5BU2-2	BN17	o	o	231668		
3249-285-B17A	285	26	160	49	105	32	70°	62				o	o	231669		
3249-335-B17B	335	31	180	49	130	32	50°	74.3	4"~5-1/2"			o	o	231670		
3655-335-B17B	335	31	180	55	130	36	50°	77.2				o	o	231671		
3249-363-B17C	363	36	180	49	158	32	30°	74.3	6-5/8"~8-5/8"			o	o	231672		
3655-378-B17C	378	36	200	55	163	36	30°	82				o	o	231673		
3249-400-B17D	400	52	280	49	158	32	30°	74.3	9-5/8"~13-3/8"			o	o	231674		
4055-400-B17D	400	52	200	55	163	40	15°	82				o	o	231675		
PNR 3249-335-B23B	335	31	180	49	130	32	50°	74.3	4"~5-1/2"			27IR5BU2-3 27IR8RD2-5	BN23	o	o	231676
3655-335-B23B	335	31	180	55	130	36	50°	77.2						o	o	231677
3249-363-B23C	363	36	180	49	158	32	30°	74.3	6-5/8"~8-5/8"	o	o			231678		
3655-378-B23C	378	36	200	55	163	36	30°	82		o	o			231679		
3249-400-B23D	400	52	280	49	158	32	30°	74.3	9-5/8"~13-3/8"	o	o			231680		
4055-400-B23D	400	52	200	55	163	40	15°	82		o	o			231681		

TNR.. 压板锁紧式
天然气工业
石油管内螺纹



附注：E为刀具螺旋升角
Note: E is the tool helix angle



刀片 (Inserts): B125 零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions								加工范围 Processing Range	刀片 Insert	刀垫 Shim	Stock		Order Number		
	L	f	A	B	C	D	E	G				R	L			
TNR 2538-285-B17A	285	26	160	38	105	25	70°	62	2-3/8"~3-1/2"	22IR10RD2-4 22IR8RD2-3 22IR5BU2-2	TN17	o	o	231681		
3249-285-B17A	285	26	160	49	105	32	70°	62				o	o	231682		
3249-335-B17B	335	31	180	49	130	32	50°	74.3	4"~5-1/2"			o	o	231683		
3655-335-B17B	335	31	180	55	130	36	50°	77.2				o	o	231684		
3249-363-B17C	363	36	180	49	158	32	30°	74.3	6-5/8"~8-5/8"			o	o	231685		
3655-378-B17C	378	36	200	55	163	36	30°	82				o	o	231686		
3249-400-B17D	400	52	280	49	158	32	30°	74.3	9-5/8"~13-3/8"			o	o	231687		
4055-400-B17D	400	52	200	55	163	40	15°	82				o	o	231688		
TNR 3249-335-B23B	335	31	180	49	130	32	50°	74.3	4"~5-1/2"			27IR5BU2-3 27IR8RD2-5	TN23	o	o	231689
3655-335-B23B	335	31	180	55	130	36	50°	77.2						o	o	231690
3249-363-B23C	363	36	180	49	158	32	30°	74.3	6-5/8"~8-5/8"	o	o			231691		
3655-378-B23C	378	36	200	55	163	36	30°	82		o	o			231692		
3249-400-B23D	400	52	280	49	158	32	30°	74.3	9-5/8"~13-3/8"	o	o			231693		
4055-400-B23D	400	52	200	55	163	40	15°	82		o	o			231699		

车削刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

PDL

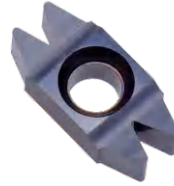
内孔切槽
端面切槽
深槽加工

用途 Application	尺寸标示 Dimensioning	规格型号 Specification	尺寸 Dimension				PCD	CBN/K	CBN/S	CBN/CS	ZK01	ZC250	ZC251	ZP152	ZP153
			P	T	WR	NR									
切槽加工 Grooving		PDL2.34 R0204	2.34	2.06	0.2	0.4									
		R2725	2.34	2.214	0.27	0.25									
		R0402	2.34	2.06	0.4	0.2									
		PDL3.56 R0425	3.56	3.69	0.4	0.25									
		R0431	3.56	3.57	0.4	0.31									
		R0404	3.56	3.4	0.4	0.4									
		R0444	3.56	3.32	0.4	0.44									

PDL2.34



PDL3.56



PDLR



40° 皮带轮加工
40 degree pulley processing

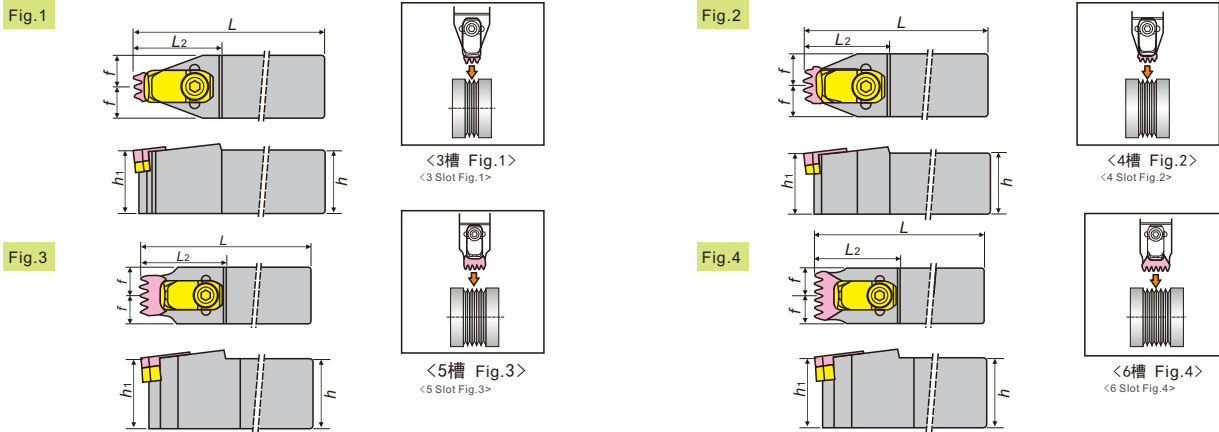
刀片 (Inserts): B118 零配件 (Toolholder Parts): P03-P05

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number	Price (RMB)
	H1	H	W	L1	L	F				R	L		
PDLR/L 1616H-2.34 2020K-2.34 2525M-2.34	16	16	16	25	100	16		M4.0×10		●	●		
	20	20	20	25	125	20				●	●		
	25	25	25	30	150	25				●	●		
1616H-2.34 2020K-3.56 2525M-3.56	16	16	16	25	100	16		M4.0×10		●	●		
	20	20	20	25	125	20				●	●		
	25	25	25	30	150	25				●	●		

- 车削刀柄
- CSV 凸轮车床刀具
- DS 刀柄
- 正面排刀
- Y轴刀柄
- 前车削
- 后车削
- 小径切槽切断螺纹
- 小孔加工
- 滚花车花
- 焊接车刀夹头
- 外圆车削
- 内孔车削
- 螺纹车削
- 切槽切断
- 端面切槽
- 阻尼模组

MY-V型



刀杆尺寸 Cutter bar size

刀杆形状 Cutter bar shape	刀杆型号 Cutter bar model	尺寸(mm) Dimensions (mm)						刀片 Razor Insert	垫片 Pad	金属压片 Metal lamination	导屑器 Chip guide	扳手 Spanner	垫片螺纹 Gasket threads	库存 Stock	编码 Encoded
		h	h1	b	L	f	L2								
Fig.1	MMY-V M-K3-C	25	25	25	150	12.5	25	3槽	DP-K3	YP-17	DXQ-9	L4	DPLS-K	●	
	P-K3-C	32	25	25	170	12.5	32							●	
Fig.2	MMY-V M-K4-C	25	25	25	150	12.5	25	4槽	DP-K4	YP-17	DXQ-9	L4	DPLS-K	●	
	P-K4-C	32	25	25	170	12.5	32							●	
Fig.3	MMY-V P-K5-C	32	25	25	170	12.0	32	5槽	DP-K5					●	
Fig.4	MMY-V P-K6-C	32	25	25	170	12.0	32	6槽	DP-K6					●	

适用刀片 Suitable Insert

刀型形状 Knife shape	刀尖形状 Insert shape	刀片型式 Insert type	尺寸(mm) Dimensions (mm)			陶瓷 pottery and porcelain AN2
			A	R1	R2	
3槽		Mm33 K305 ENB	3.35	0.3	0.5	●
		MM33 K30504 ENB	3.16	0.4	0.5	●
4槽		MM43 K405 ENB	3.35	0.3	0.5	●
		MM43 K40504 ENB	3.16	0.4	0.5	●
5槽		MM53 K505 ENB	3.35	0.3	0.5	●
		MM53 K50504 ENB	3.16	0.4	0.5	●
6槽		MM53 K605 ENB	3.35	0.3	0.5	●
		MM53 K60504 ENB	3.16	0.4	0.5	●

推荐切削条件 Recommended cutting conditions

刀片材质 Insert material	被切削材料 Material to be cut	切削速度 Cutting speed (m/min)	进给量 Load (mm/rev)	切削油 Cutting oil
AN2	普通铸铁	450 (300~600)	0.08 (0.05~0.12)	D



车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

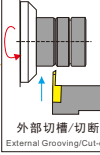
阻尼
模组

切槽/切断车削加工系统 Grooving / Cut-off Turning System

	CSV AB06 适用刀片 CSV.. 刀柄尺寸 Ø7-Ø12 凸轮车床专用	CTP(A)R AB41 适用刀片 CTP.. 刀柄尺寸 Ø8-Ø25 小零件切断/切槽	CTPW AB41 适用刀片 CTPW.. 刀柄尺寸 Ø10-Ø25 小零件切断/切槽	CTPL-SUB AB41 适用刀片 CTP.. 刀柄尺寸 Ø8-Ø18 小零件切断/切槽	CTPR-SUB AB41 适用刀片 CTP.. 刀柄尺寸 Ø8-Ø12 小零件切断/切槽	KTKFR AB47 适用刀片 TKF.. 刀柄尺寸 Ø8-Ø18 小零件切断/切槽
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	ZQ..R B133 适用刀片 SP.. 刀柄尺寸 Ø16-Ø32 切断加工	QZQ..R B134 适用刀片 ZQM.. 刀柄尺寸 Ø16-Ø32 切断加工	KTKHR B135 适用刀片 TKN.. 刀柄尺寸 Ø10-Ø25 切断加工	UGHR B135 适用刀片 KGT.. 刀柄尺寸 Ø16-Ø25 切断加工	CTWR B135 适用刀片 CTD.. 刀柄尺寸 Ø20-Ø25 切断加工	CGSSR B135 适用刀片 GE.. 刀柄尺寸 Ø16-Ø25 切断加工
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	SPB B137 适用刀片 SP.. 刀柄尺寸 Ø26-Ø32 切断加工 可调节	UGHN B137 适用刀片 KGT.. 刀柄尺寸 Ø26-Ø32 切断加工 可调节	KTKB B137 适用刀片 TKN.. 刀柄尺寸 Ø10-Ø12 切断加工 可调节	SCTH B137 适用刀片 CTD.. 刀柄尺寸 Ø26-Ø32 切断加工 可调节	SLTBN B138 适用刀板专用 刀柄尺寸 Ø16-Ø32 切断加工 可调节
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	DS-KTGFL AB13 适用刀片 TGF.. 刀柄尺寸 Ø14-Ø25 DS排刀式切槽/切断	DS-KTKFL AB14 适用刀片 TKF.. 刀柄尺寸 Ø19-Ø25 DS排刀式切槽/切断	CH-GTTL AB15 适用刀片 GTM.. 刀柄尺寸 Ø10-Ø12 排刀式切槽	CTPSL AB40 适用刀片 CTP.. 刀柄尺寸 Ø10-Ø20 排刀式切槽/切断	KTKFSL AB47 适用刀片 TKF.. 刀柄尺寸 Ø10-Ø20 排刀式切槽/切断
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车削
车刀

CSV
凸轮
车床
刀具

DS
车刀

正面
排刀

Y轴
车刀

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

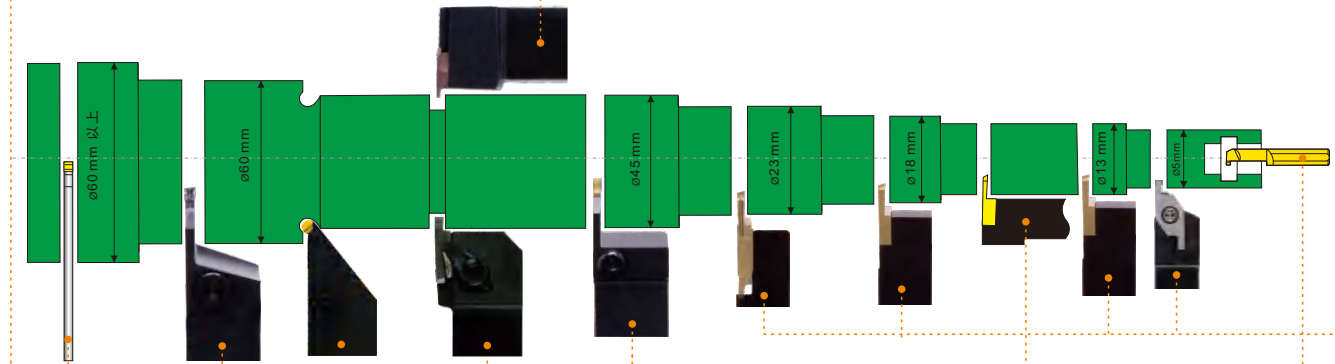
切槽
切断

端面
切槽

阻尼
模组

	CGBSR B162 适用刀片 GBA.. 刀柄尺寸 Ø16-Ø25 侧面排刀浅槽加工	SGBSR B164 适用刀片 GBA.. 刀柄尺寸 Ø16-Ø25 侧面排刀浅槽加工	KTGFSR B168 适用刀片 TGF.. 刀柄尺寸 Ø10-Ø25 侧面排刀浅槽加工
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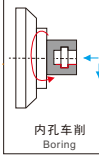
CTGFSR B169 适用刀片 TGF.. 刀柄尺寸 Ø16-Ø25 侧面排刀浅槽加工	SFVCR B170 适用刀片 VC.. 刀柄尺寸 Ø20-Ø25 排刀浅槽/端面槽	MGEVR B146 适用刀片 MGMN.. 刀柄尺寸 Ø16-Ø25 侧面排刀槽加工	KGMSR B151 适用刀片 GMM.. 刀柄尺寸 Ø12-Ø25 侧面排刀槽加工
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	MGEHR B141 适用刀片 MGMN.. 刀柄尺寸 Ø10-Ø32 切槽/切断加工	KGMR B152 适用刀片 GM.. 刀柄尺寸 Ø8-Ø25 切槽/切断加工	B-KGMR B152 适用刀片 GM.. 刀柄尺寸 Ø8-Ø25 切槽/切断加工	TTER B147 适用刀片 TD.. 刀柄尺寸 Ø10-Ø40 切槽/切断加工	QE..R B154 适用刀片 Z.. 刀柄尺寸 Ø16-Ø32 切槽/切断加工
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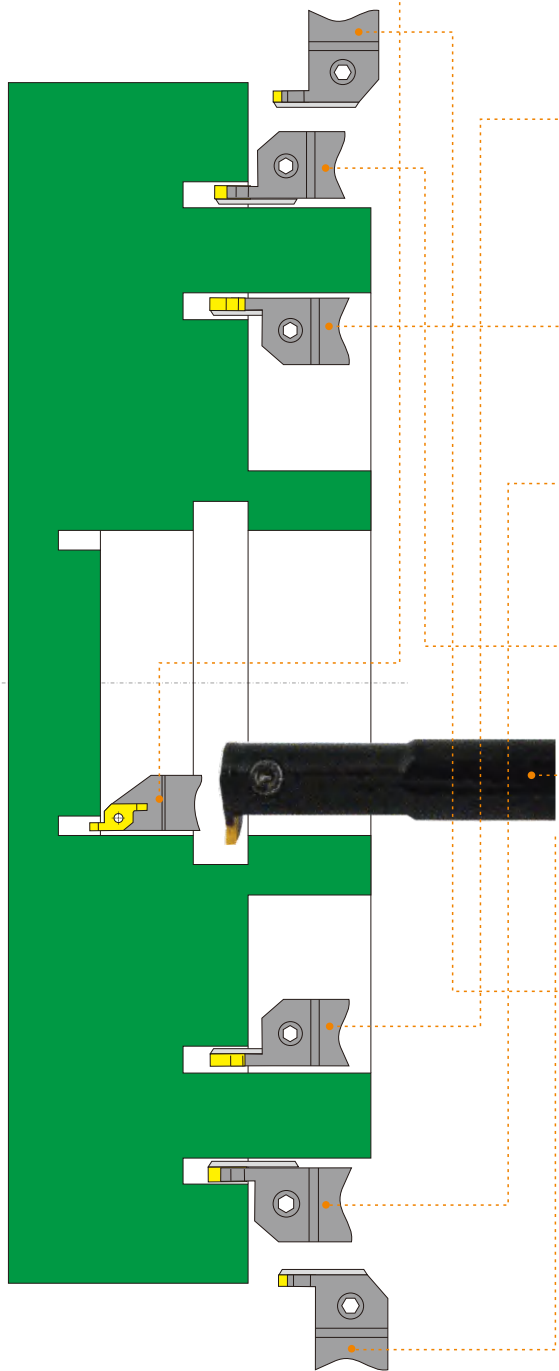
DGHR B155 适用刀片 DGM/J.. 刀柄尺寸 Ø16-Ø32 切槽/切断加工	GYHR B155 适用刀片 GY2M.. 刀柄尺寸 Ø16-Ø32 切槽/切断加工	CGWSR B156 适用刀片 WGE.. 刀柄尺寸 Ø16-Ø25 切槽/切断加工	B-CGWSR B156 适用刀片 WGE.. 刀柄尺寸 Ø16-Ø25 切槽/切断加工	RF123 B157 适用刀片 N123.. 刀柄尺寸 Ø10-Ø25 切槽/切断加工
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A4SMR B158 适用刀片 A4G.. 刀柄尺寸 Ø20-Ø32 切槽/切断加工	DGTR B159 适用刀片 DGN.. 刀柄尺寸 Ø10-Ø25 切槽/切断加工	GNDLR B160 适用刀片 GCMN.. 刀柄尺寸 Ø20-Ø32 切槽/切断加工
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	SBWR AB57 切槽 刀柄尺寸 Ø4-Ø8 小径内孔切槽	SBKR AB57 圆槽 刀柄尺寸 Ø4-Ø8 小径内孔圆槽加工
	SBDR AB57 93° 44° 锥孔·倒角 刀柄尺寸 Ø4-Ø8 平面面+45°倒角	SBCR AB57 45° 45° 倒角 刀柄尺寸 Ø4-Ø8 90°槽+45°倒角

	CGBR B162 适用刀片 GBA.. 刀柄尺寸 Ø16-Ø25 外圆浅槽加工	SGBR B162 适用刀片 GBA.. 刀柄尺寸 Ø16-Ø25 外圆浅槽加工	MGHR B166 适用刀片 MGTR.. 刀柄尺寸 Ø20-Ø25 外圆浅槽加工	GWCR B166 适用刀片 TGAR.. 刀柄尺寸 Ø10-Ø25 外圆浅槽加工
PCHR B170 适用刀片 PENT.. 刀柄尺寸 Ø16-Ø25 外圆浅槽加工	KTGFR B168 适用刀片 TGF.. 刀柄尺寸 Ø8-Ø25 外圆浅槽加工	CTGFR B169 适用刀片 TGF.. 刀柄尺寸 Ø8-Ø25 外圆浅槽加工	GTRR B169 适用刀片 GTM.. 刀柄尺寸 Ø8-Ø25 外圆浅槽加工	JSTGR B169 适用刀片 JTG.. 刀柄尺寸 Ø10-Ø16 外圆浅槽加工

端面切槽车削加工系统 End Face Grooving Turning System



	CBSNR B186 适用刀片 SNMF.. 刀柄尺寸 Ø20-Ø25 端面圆弧倒角加工		C..Q.DR B186 适用刀片 ZR.. 刀柄尺寸 Ø40-Ø50 轮毂铝材加工 铝合金汽车轮毂
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	SMFR AB57 端面 刀柄尺寸 Ø6-Ø10 小孔端面切槽		SMVR AB57 适用刀片 CSV.. 刀柄尺寸 Ø6-Ø10 深孔端面切槽		SGIEFR B182 适用刀片 VC.. 刀柄尺寸 Ø20-Ø25 小孔端面切槽		SGIVFR B181 适用刀片 VC.. 刀柄尺寸 Ø16-Ø25 小孔端面切槽		B-SGIVFR B181 适用刀片 VC.. 刀柄尺寸 Ø10-Ø25 小孔端面切槽		MFHR B181 适用刀片 MGMN.. 刀柄尺寸 Ø16-Ø40 小孔端面切槽
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	MGAH..R B193 端面切槽加工 End Face Grooving		MGFHRR B189 适用刀片 MGMN.. 刀柄尺寸 Ø20-Ø25 内孔端面切槽加工		MGFHRR B189 适用刀片 MFMN.. 刀柄尺寸 Ø20-Ø25 内孔端面切槽加工
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	MGAH..L B198 端面切槽加工 End Face Grooving		MGFHLL B189 适用刀片 MGMN.. 刀柄尺寸 Ø20-Ø25 内孔端面切槽加工		MGFHLL B189 适用刀片 MFMN.. 刀柄尺寸 Ø20-Ø25 内孔端面切槽加工
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	MGHH..R B195 适用刀片 MGMN.. 刀柄尺寸 Ø20-Ø25 端面切槽加工		MGFHRL B190 适用刀片 MFMN.. 刀柄尺寸 Ø20-Ø25 端面切槽加工		FGHH..R B187 适用刀片 FMM.. 刀柄尺寸 Ø20-Ø25 端面切槽加工		QF..R B191 适用刀片 Z.. 刀柄尺寸 Ø20-Ø25 端面切槽加工		SEGEL B182 适用刀片 GER.. 刀柄尺寸 Ø10-Ø32 小径端面切槽加工		SMFR AB57 适用刀片 GER.. 刀柄尺寸 Ø6-Ø10 小径端面切槽加工
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	MGHH..L B196 适用刀片 MGMN.. 刀柄尺寸 Ø20-Ø25 端面切槽加工		MGFHLR B190 适用刀片 MFMN.. 刀柄尺寸 Ø20-Ø25 端面切槽加工		FGHH..R B187 适用刀片 FMM.. 刀柄尺寸 Ø20-Ø25 端面切槽加工		QF..R B191 适用刀片 Z.. 刀柄尺寸 Ø20-Ø25 端面切槽加工		SSACN B186 适用刀片 SC.. 刀柄尺寸 Ø20-Ø25 端面切槽加工		SSACN B186 适用刀片 SC.. 刀柄尺寸 Ø20-Ø25 端面切槽加工
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	MGFV..R B193 适用刀片 MGMN.. 刀柄尺寸 Ø20-Ø25 端面切槽加工		MGFVR B190 适用刀片 MFMN.. 刀柄尺寸 Ø20-Ø25 端面切槽加工		FGVH..R B188 适用刀片 FMM.. 刀柄尺寸 Ø20-Ø25 端面切槽加工
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	MGFV..L B194 适用刀片 MGMN.. 刀柄尺寸 Ø20-Ø25 端面切槽加工		MGFVR B190 适用刀片 MFMN.. 刀柄尺寸 Ø20-Ø25 端面切槽加工		MGVH..L B194 适用刀片 FMM.. 刀柄尺寸 Ø20-Ø25 端面切槽加工
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	MGIVR B143 适用刀片 MGMN.. 刀柄尺寸 Ø16-Ø40 内孔切槽加工		B-MGIVR B143 适用刀片 MGMN.. 刀柄尺寸 Ø16-Ø40 内孔切槽加工		KIGMR B151 适用刀片 GMM.. 刀柄尺寸 Ø16-Ø32 内孔切槽加工		TTIR B150 适用刀片 TD.. 刀柄尺寸 Ø16-Ø40 内孔切槽加工
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	C-QE..R B154 适用刀片 Z.. 刀柄尺寸 Ø20-Ø40 内孔切槽加工		S-SGBR B164 适用刀片 GBA.. 刀柄尺寸 Ø16-Ø32 内孔切槽加工		SIGER B175 适用刀片 GER.. 刀柄尺寸 Ø6-Ø32 内孔切槽加工		B-SIGER B175 适用刀片 GER.. 刀柄尺寸 Ø6-Ø32 内孔切槽加工
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	SNGR B175 适用刀片 GR.. 刀柄尺寸 Ø6-Ø20 内孔切槽加工		B-SNGR B175 适用刀片 ..GR.. 刀柄尺寸 Ø6-Ø20 内孔切槽加工		S-KTGFR B168 适用刀片 TGF.. 刀柄尺寸 Ø16-Ø32 内孔切槽加工		B-S-KTGFR B168 适用刀片 TGF.. 刀柄尺寸 Ø16-Ø25 内孔切槽加工
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车削
刀具

CSV
凸轮
车床
刀具

DS
刀柄
正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

车削
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加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

SP 切断加工 内孔切槽 端面切槽

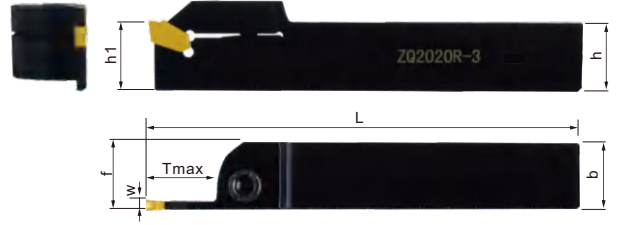
用途 Application	尺寸标示 Dimensioning	产品图片 Product Image	规格型号 Specification	尺寸 Dimension								应用 Application								
				W	re	L	B	H	θ	钢 Steel	不锈钢 Stainless Steel		铸铁 Iron	铝/铜/镁/锌/塑料/木材 Aluminum/Copper/Magnesium/Zinc/Plastic/Wood	硬质合金/粉末冶金 Carbide/Powder Metallurgy	钛/高温合金/碳纤维 Titanium/Superalloy/Carbon Fiber				
				W	re	L	B	H	θ											
切断加工 Cut-off Processing			SP 200 300 400 500 600	2.2 3.1 4.1 5.1 6.4	0.2 0.2 0.25 0.3 0.35	9.3 11.3 11.3 11.4 11.4	-	-	-	-	●	●	●	●	●	●	●	●	●	●
切断加工 Cut-off Processing			SP 200R 300R 400R 500R 600R	2.2 3.1 4.1 5.1 6.4	0.2 0.2 0.25 0.3 0.35	9.3 11.3 11.3 11.4 11.4	-	-	-	-	●	●	●	●	●	●	●	●	●	●

用途 Application	尺寸标示 Dimensioning	产品图片 Product Image	规格型号 Specification	尺寸 Dimension								应用 Application								
				W	re	L	B	H	θ	钢 Steel	不锈钢 Stainless Steel		铸铁 Iron	铝/铜/镁/锌/塑料/木材 Aluminum/Copper/Magnesium/Zinc/Plastic/Wood	硬质合金/粉末冶金 Carbide/Powder Metallurgy	钛/高温合金/碳纤维 Titanium/Superalloy/Carbon Fiber				
				W	re	L	B	H	θ											
切断加工 Cut-off Processing			SP 200L 300L 400L 500L 600L	2.2 3.1 4.1 5.1 6.4	0.2 0.2 0.25 0.3 0.35	9.3 11.3 11.3 11.4 11.4	-	-	-	-	●	●	●	●	●	●	●	●	●	●

ZQ...R

切断加工
Cut-Off Processing

刀片 (Inserts): B133 零配件 (Toolholder Parts): P03-P05



图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	W	b	h	L	h1	f	Tmax				R	L	
ZQ 1616R/L-02	2.2	16	16	100	16	16.4	16	SP200	M5×20	L4	●	●	251100
2020R/L-02	2.2	20	20	125	20	20.4	16		M6×20	L5	●	●	251102
2525R/L-02	2.2	25	25	150	25	25.4	16		M6×20	L5	●	●	251104
ZQ 1616R/L-03	3.125	16	16	100	16	16.4	20	SP300	M5×20	L4	●	●	251106
2020R/L-03	3.125	20	20	125	20	20.4	20		M6×20	L5	●	●	251108
2525R/L-03	3.125	25	25	150	25	25.4	20		M6×20	L5	●	●	251110
3225R/L-03	3.125	25	32	170	32	25.4	20				●	●	251112
ZQ 1616R/L-04	4.125	16	16	100	16	16.4	25	SP400	M5×20	L4	●	●	251114
2020R/L-04	4.125	20	20	125	20	20.4	25		M6×20	L5	●	●	251116
2525R/L-04	4.125	25	25	150	25	25.4	25		M6×20	L5	●	●	251118
3225R/L-04	4.125	32	32	170	32	25.4	25					●	●
ZQ 2525R/L-05	5.125	25	25	150	25	25.5	30	SP500	M6×20	L5	●	●	251122
3232R/L-05	5.125	32	32	170	32	32.5	30					●	●
ZQ 2525R/L-06	6.4	25	25	150	25	25.5	35	SP600	M6×20	L5	●	●	251126
3232R/L-06	6.4	32	32	170	32	32.5	35					●	●

切断加工

车床切断加工用车刀 Lathe Cut-off Tool

ZQMX 切断加工
内孔切槽
端面切槽

用途		尺寸标示	产品图片	规格型号	尺寸 Dimension							应用材料														
用途		Dimensioning	Product Image	Specification	W	r _c	L	B	H	θ	PCD	CBN	K	CBN	CS	NC	NC	NC	NC	NC	NC					
切断加工	切断加工			ZQMX 3N11-1E	3.1	0.3	11	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●				
				ZQMX 4N11-1E	4.1	0.3	11	-	-	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●		
				ZQMX 5N11-1E	5.1	0.3	11	-	-	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●	
				ZQMX 6N11-1E	6.4	0.3	11	-	-	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●
				ZQMX 7N11-1E	7.0	0.3	14	-	-	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●

QZQ...R..

切断加工
Cut-Off Processing

刀片 (Inserts): B134 零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	W	b	h	L	h1	f	Tmax				R	L	
QZQ 1616R/L03	3	16	16	80	16	16.4	16	ZQMX3N11-1E	M5×20	L4	●	●	251800
2020R/L03	3	20	20	100	20	20.4	20				●	●	251802
2525R/L03	3	25	25	120	25	25.4	20		●	●	251804		
3225R/L03	3	25	32	135	32	25.4	25		●	●	251806		
1616R/L04	4	16	16	80	16	16.4	16	ZQMX4N11-1E	M5×20	L4	●	●	251808
2020R/L04	4	20	20	100	20	20.4	20				●	●	251810
2525R/L04	4	25	25	120	25	25.4	20		●	●	251812		
3225R/L04	4	25	32	135	32	25.4	25		●	●	251814		

车削刀柄

CSV
凸轮
车削
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

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切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
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内孔
车削

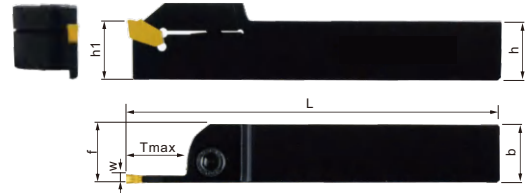
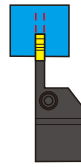
螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

KTKHR..



切断加工
Cut-Off Processing

🔧 零配件 (Toolholder Parts): P03-P05

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	W	b	h	L	h1	f	Tmax				R	L	
KTKHR/L 1010F-2S	2.2	10	10	80	10	10	15	TKN2,TKR/L2 TKN2-P,TKR/L2-P TKN2.4,TKR/L2.4			●	●	251500
1212H-2S	2.2	12	12	100	12	12	16.5				●	●	251502
1612H-2S	2.2	12	16	100	16	16	16.5				●	●	251504
1616H-2S	2.2	16	16	100	16	16	16.5				●	●	251506
2012K-2S	2.2	12	20	125	20	20	19				●	●	251508
2020K-2S	2.2	20	20	125	20	20	19	●	●	251510			
KTKHR/L 1612H-3S	3.1	12	16	100	16	16	18	TKN3,TKR/L3 TKN3-P,TKR/L3-P			●	●	251512
1616H-3S	3.1	16	16	100	16	16	18				●	●	251514
2012K-3S	3.1	12	20	125	20	20	20.5				●	●	251516
2020K-3S	3.1	20	20	125	20	20	26				●	●	251518
2525M-3S	3.1	25	25	150	25	25	26.5				●	●	251520
KTKHR/L 2012K-4S	4.1	12	20	125	20	20	22	TKN4,TKR/L4			●	●	251522
2020K-4S	4.1	20	20	125	20	20	31				●	●	251524
2525M-4S	4.1	25	25	150	25	25	34				●	●	251526
KTKHR/L 2525M-5S	5.1	25	25	150	25	25	39.5	TKN4.8,TKN5,TKR/L5			●	●	251528
自动车床用自锁式 Automatic Lathe With Self-locking													
KTKHR/L 1010K-2-125S	2.2	10	10	125	10	10	15	TKN2,TKR/L2 TKN2-P,TKR/L2-P TKN2.4,TKR/L2.4			●	●	251600
1212M-2-125S	2.2	12	12	150	12	12	15				●	●	251602
1616M-2-150S	2.2	16	16	150	16	16	18				●	●	251604
KTKHR/L 1616M-3-150S	3.1	16	16	150	16	16	22.5	TKN3,TKR/L3 TKN3-P,TKR/L3-P			●	●	251606
自动车床用螺钉紧固式 Automatic Lathe With Screw Fastening													
KTKHR/L 0808K-1.6-125B	1.6	8	8	125	8	8	5		M4×12	T15	●	●	251700
1010K-1.6-125B	1.6	10	10	125	10	10	10				●	●	251702
1212M-1.6-150B	1.6	12	12	150	12	12	12.5				●	●	251704
1414M-1.6-150B	1.6	14	14	150	14	14	13				●	●	251706
KTKHR/L 1010K-2-125B	2.2	10	10	125	10	10	10	TKN2,TKR/L2 TKN2-P,TKR/L2-P TKN2.4,TKR/L2.4	M4×12	T15	●	●	251708
1212M-2-150B	2.2	12	12	150	12	12	12.5				●	●	251710
1616M-2-150B	2.2	16	16	150	16	16	16				●	●	251712
KTKHR/L 1616M-3-150B	3.1	16	16	150	16	16	16	TKN3,TKR/L3 TKN3-P,TKR/L3-P	M5×12	L4	●	●	251714
UGHR/L Cut-Off Processing Toolholder													
UGHR/L 1616H2	2.2	16	16	16	16	16.3	16	KGT2	M5×20	L4	●	●	251200
2020K2	2.2	20	20	20	20	20.3	21		M6×20	L5	●	●	251202
UGHR/L 1616H3	3.1	16	16	16	16	16.4	18	KGT3	M5×20	L4	●	●	251204
2020K3	3.1	20	20	20	20	20.4	29		●	●	251206		
2525M3	3.1	25	25	25	25	25.4	38		M6×20	L5	●	●	251208
UGHR/L 2525M4	4.1	25	25	25	25	25.5	38	KGT4	M6×20	L5	●	●	251210
CTWR/L Cut-Off Processing Toolholder													
CTWR/L 2020-3	3	20	20	20	20	20.25	14	CTD3	M6×20	L5	●	●	251300
2525-3	3	25	25	25	25	25.25	14				●	●	251302
CTWR/L 2020-4	4	20	20	20	20	20.25	14	CTD4	M6×20	L5	●	●	251304
2525-4	4	25	25	25	25	25.25	14				●	●	251306
CTWR/L 2525-5	5	25	25	25	25	25.25	20				CTD5	M6×20	L5
CGSSR/L Cut-Off Processing Toolholder													
CGSSR/L 1616-30D	3	16	16	16	16	16.5	22	GE30,GE30R/L GE30-AL,GT30 GR30	M6×20	L5	●	●	251400
2020-30D	3	20	20	20	20	20.5	22				●	●	251402
2525-30D	3	25	25	25	25	25.5	22				●	●	251404
CGSSR/L 1616-40D	4	16	16	16	16	16.6	25	GE40,GE40R/L GE40-AL,GT40 GR40	M6×20	L5	●	●	251406
2020-40D	4	20	20	20	20	20.6	25				●	●	251408
2525-40D	4	25	25	25	25	25.6	25				●	●	251410
CGSSR/L 1616-50D	5	16	16	16	16	16.7	25	GE50,GE50R/L GE50-AL,GT50 GR50	M6×20	L5	●	●	251412
2020-50D	5	20	20	20	20	20.7	25				●	●	251414
2525-50D	5	25	25	25	25	25.7	25				●	●	251416

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

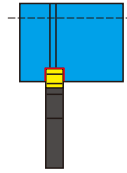
螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

切断刀板 Cut-Off Toolholder



切断加工 Cut-Off Processing

刀片 (Inserts): B133 零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions					刀片 Insert	Stock	Order Number
	w	b	h	L	h1			
SPB 26-2	2	1.6	26	26	21	SP200,200R/L	●	254100
26-3	3	2.4	26	26	21	SP300,300R/L	●	254102
26-4	4	3.2	26	26	21	SP400,400R/L	●	254104
26-5	5	4.2	26	26	21	SP500,500R/L	●	254106
SPB 32-2	2	1.6	32	32	27	SP200,200R/L	●	254108
32-3	3	2.4	32	32	27	SP300,300R/L	●	254110
32-4	4	3.2	32	32	27	SP400,400R/L	●	254112
32-5	5	4.2	32	32	27	SP500,500R/L	●	254114
32-6	6	5.2	32	32	27	SP600,600R/L	●	254116

UGHN Cut-Off Processing Toolholder

UGHN 262	2.2	1.60	26	110	21.4	KGT2N,KGT2R/L	●	254200
263	3.1	2.35	26	110	21.4	KGT3N,KGT3R/L	●	254202
264	4.1	3.20	26	110	21.4	KGT4N,KGT4R/L	●	254204
265	5.1	4.00	26	110	21.4	KGT5N,KGT5R/L	●	254206
UGHN 322	2.2	1.60	32	150	25.0	KGT2N,KGT2R/L	●	254208
323	3.1	2.35	32	150	25.0	KGT3N,KGT3R/L	●	254210
324	4.1	3.20	32	150	25.0	KGT4N,KGT4R/L	●	254212
325	5.1	4.00	32	150	25.0	KGT5N,KGT5R/L	●	254214

KTKB Cut-Off Processing Toolholder

KTKB 19-1SS	1.6	1.2	19	86	15.7	TKN1.6,TKR/L1.6	●	254300
KTKB 26-1SS	1.6	1.2	26	110	21.4	TKN1.6,TKR/L1.6	●	254302
KTKB 32-1SS	1.6	1.2	32	150	25	TKN1.6,TKR/L1.6	●	254304
KTKB 19-2S	2.2	1.8	19	86	15.7	TKN2,TKR/L2	●	254306
26-2S	2.2	1.8	26	110	21.4	TKN2,TKR/L2	●	254308
26-3S	3.1	2.6	26	110	21.4	TKN3,TKR/L3	●	254310
26-4S	4.1	3.4	26	110	21.4	TKN4,TKR/L4	●	254312
26-5S	5.1	4.2	26	110	21.4	TKN5,TKR/L5	●	254314
KTKB 32-2S	2.2	1.8	32	150	25	TKN2,TKR/L2	●	254316
32-3S	3.1	2.6	32	150	25	TKN3,TKR/L3	●	254318
32-4S	4.1	3.4	32	150	25	TKN4,TKR/L4	●	254320
32-5S	5.1	4.2	32	150	25	TKN5,TKR/L5	●	254322
32-6S	6.4	5.4	32	150	25	TKN6,TKR/L6	●	254324
KTKBR/L 32-8S	8.0	6.8	32	150	25	TKN8,TKR/L8	●	254326
32-9S	9.6	8.0	32	150	25	TKN9,TKR/L9	●	254328

SCTH Cut-Off Processing Toolholder

SCTH 26-3	3	2.2	25.35	110	21.16	GT30	●	254400
26-4	4	3.2	25.14	110	21.05	GT40	●	254402
SCTH 32-3	3	2.2	31.41	150	24.8	GT30	●	254404
32-4	4	3.2	31.14	150	24.66	GT40	●	254406
32-5	5	4.2	30.87	150	24.53	GT50	●	254408
32-6	6	5.2	30.61	150	24.39	GT60	●	254410

车削
车刀柄

CSV
凸轮
车削
车刀柄

DS
车削
车刀柄

正面
排刀

Y轴
车削
车刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
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切槽
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端面
切槽

阻尼
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模组

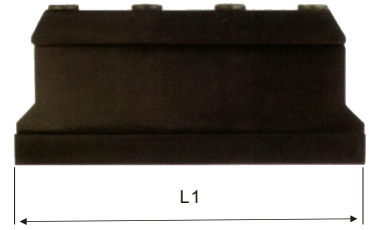
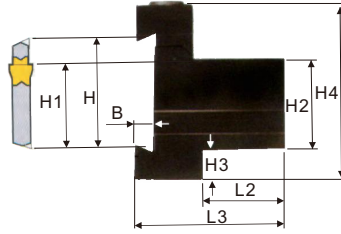
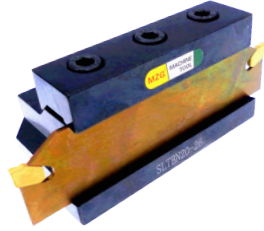
阻尼
模组


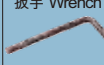
阻尼
模组

SLTBN切断刀板用刀座 SLTBN Cut-Off Toolholder

特点：模块化切断加工用刀具，可根据客户需求组合相应刀板，加工深度可调节。

Features:
Tools for modular cutting can be combined with corresponding blades according to customer requirements, and the processing depth can be adjusted.



刀把型号 Ordering code	尺寸 Dimensions									螺丝 Screw 	扳手 Wrench 	Stock	Order Number
	H	H1	H2	H3	H4	B	L1	L2	L3				
SLTBN 16-26	26	21.4	16	13	43	5.3	86	12	30	M6×30	L5	●	254501
20-26	26	21.4	20	9	43	5.3	86	19	38			●	254500
20-32	32	24.8	20	13	50	5.3	100	19	38			●	254502
SLTBN 25-26	26	21.4	25	5	45	5.3	100	23	42			●	254504
25-32	32	24.8	25	8	50	5.3	110	23	42			●	254506
SLTBN 32-32	32	24.8	32	5	54	5.3	110	29	48			●	254508

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削


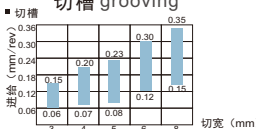
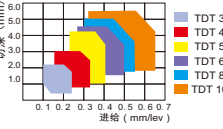

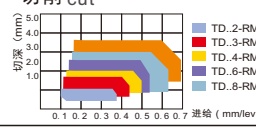
螺纹
车削

切槽
切断


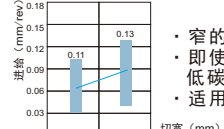

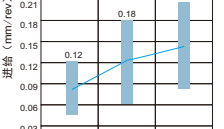
端面
切槽

阻尼
模组


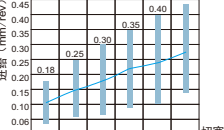

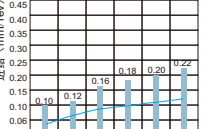
断屑槽 Chip-breaking groove

断屑槽 Chip-breaking groove	应用和功能 Applications and functions
M型 M type 	<p>切槽 grooving</p>  <p>车削</p>  <ul style="list-style-type: none"> · 铸铁车削的首选刀片 · 各种几何形状的车削和开槽 · 适用钢件和铸铁 · 高进给率 · The preferred blade for turning cast iron · Turning and slotting of various geometric shapes · Suitable for steel parts and cast iron · High feed rate
RM型 RM type 	<p>切削 cut</p>  <ul style="list-style-type: none"> · 钢件铸铁的仿型加工 · 坚韧的刃口 · 即使在低深度也能很好地控制切屑 · 良好精加工表面 · 高进给率和小切深 · Copying processing of steel and cast iron parts · A tough blade · Good chip control even at low depths · Good finished surface · High feed rate and small cutting depth


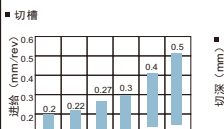
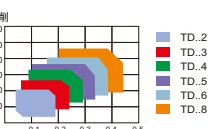

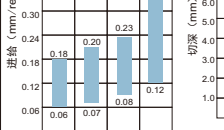
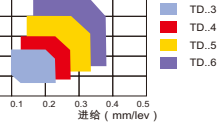
断屑槽 Chip-breaking groove

断屑槽 Chip-breaking groove	应用和功能 Applications and functions
J型 J type 	<p>切槽 grooving</p>  <ul style="list-style-type: none"> · 窄的断屑槽 · 即使在低进给率下加工延性材料和低碳钢, 也可以得到好的切屑控制 · 适用Cr-Ni合金和轴承钢 · Narrow chip breaking groove · Even when machining ductile materials at low feed rates Low carbon steel can also achieve good chip control · Suitable for Cr Ni alloy and bearing steel
H型 H type 	<p>切槽 grooving</p>  <ul style="list-style-type: none"> · 锋利的切削刃和广泛的排屑槽有效降低毛刺 · 适用管类小尺寸零件 · 适用不锈钢和软钢 · Sharp cutting edges and wide chip removal grooves effectively reduce burrs · Suitable for small size parts of pipes · Suitable for stainless steel and mild steel

切断与切槽 Cut and groove

断屑槽 Chip-breaking groove	应用和功能 Applications and functions
H型 H type 	<p>切槽 grooving</p>  <ul style="list-style-type: none"> · 切断和深槽加工首选 · 稳定切削刃和断续切削 · 中、高进给 · 适用碳刚刚、合金钢和铸铁 · 适用硬质材料 · Preferred for cutting and deep groove processing · Stable cutting edge and intermittent cutting · Medium and high feed · Suitable for carbon steel, alloy steel, and cast iron · Suitable for hard materials
J型 J type 	<p>切槽 grooving</p>  <ul style="list-style-type: none"> · 软质材料切断和深槽加工首选 · 锋利的切削刃, 低切削力 · 低、中进给 · 管件、小直径和薄壁切削 · 适用不锈钢、低碳钢 · 适用耐热超合金 · Preferred choice for soft material cutting and deep groove processing · Sharp cutting edge with low cutting force · Low and medium feed · Pipe fittings, small diameter and thin-walled cutting · Suitable for stainless steel and low-carbon steel · Suitable for heat-resistant superalloys

切断与切槽 Cut and groove

断屑槽 Chip-breaking groove	应用和功能 Applications and functions
H型 H type 	<p>切槽 grooving</p>  <p>车削</p>  <ul style="list-style-type: none"> · 切槽刀具通用加工应用中首选产品 · 外圆、内孔及断面切槽和车削加工等多种应用 · 低切削阻力和卓越的控屑力 · 低、中进给 · 钢、不锈钢和耐热合金 · Preferred product for general machining applications of slot cutting tools · Cutting and turning of outer circles, inner holes, and cross sections Various applications such as · Low cutting resistance and excellent chip control force · Low and medium feed · Steel, stainless steel, and heat-resistant alloys
J型 J type 	<p>切槽 grooving</p>  <p>车削</p>  <ul style="list-style-type: none"> · 适用于宽槽车削 · 特别适用于端面开槽和端面车削 · 稳定的切削刃适合断续切削 · 加工后工件槽底部平整 · 中、高的进给 · 适用钢、不锈钢和铸铁 · Suitable for wide groove turning · Especially suitable for end face slotting and end faceturning · Stable cutting edge suitable for intermittent cutting · The bottom of the workpiece groove is flat after processing · Medium and high feed · Suitable for steel, stainless steel, and cast iron

车削刀柄

CSV 凸轮车床刀具

DS 刀柄

正面排刀

Y轴刀柄

前车削

后车削

小径切槽切断螺纹

小孔加工

滚花车花

焊接车刀夹头

外圆车削

内孔车削

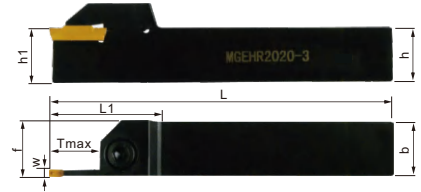
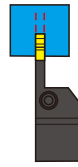
螺纹车削

切槽切断

端面切槽

阻尼模组

MGEHR



外径切槽/切断加工
External Cut-Off/Grooving

刀片 (Inserts): A45-A46 零配件 (Toolholder Parts): P03-P05





图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							螺丝 Screw	扳手 Wrench	刀片 Insert	Stock		Order Number
	W	b	h	L	h1	f	Tmax				R	L	
MGEHR/L 1010-1.5 1212-1.5 1616-1.5 1616-1.5T08 1616-1.5T13 2020-1.5 2020-1.5T08 2020-1.5T13 2525-1.5 2525-1.5T13	1.5	10	10	100	10	10	15	M4×16	L3	MGMN150 MGGN150 MRMN150	●	●	
	1.5	12	12	100	12	12	15						
	1.5	16	16	100	16	16	15						
	1.5	16	16	100	16	16	8						
	1.5	16	16	100	16	16	13						
	1.5	20	20	125	20	20	15						
	1.5	20	20	125	20	20	8						
	1.5	20	20	125	20	20	13						
	1.5	25	25	150	25	25	15						
	1.5	25	25	150	25	25	13						
MGEHR/L 1010-2 1010-2T10 1010-2T15 1010-2T20 1212-2 1212-2T10 1212-2T15 1212-2T20 1616-2 1616-2T10 1616-2T13 1616-2T16 2020-2 2020-2T10 2020-2T16 2020-2T20 2020-2T25 2525-2 2525-2T10 2525-2T16 2525-2T20 2525-2T25	2	10	10	100	10	10	16	M4×16	L3	MGMN200 MGGN200 MRMN200	●	●	
	2	10	10	100	10	10	10						
	2	10	10	100	10	10	15						
	2	10	10	100	10	10	20						
	2	12	12	100	12	12	16						
	2	12	12	100	12	12	10						
	2	12	12	100	12	12	15						
	2	12	12	100	12	12	20						
	2	16	16	100	16	16	16						
	2	16	16	100	16	16	10						
	2	16	16	100	16	16	13						
	2	16	16	100	16	16	16						
	2	20	20	125	20	20	16						
	2	20	20	125	20	20	10						
	2	20	20	125	20	20	16						
	2	20	20	125	20	20	20						
	2	20	20	125	20	20	25						
	2	25	25	150	25	25	16						
2	25	25	150	25	25	10							
2	25	25	150	25	25	16							
2	25	25	150	25	25	20							
2	25	25	150	25	25	25							
MGEHR/L 1616-2.5 1616-2.5T06 1616-2.5T10 1616-2.5T18 2020-2.5 2020-2.5T10 2020-2.5T18 2020-2.5T25 2525-2.5 2525-2.5T10 2525-2.5T18 2525-2.5T25	2.5	16	16	100	16	16	17	M5×20	L4	MGMN250 MGGN250 MRMN250	●	●	
	2.5	16	16	100	16	16	6						
	2.5	16	16	100	16	16	10						
	2.5	16	16	100	16	16	18						
	2.5	20	20	125	20	20	17						
	2.5	20	20	125	20	20	10						
	2.5	20	20	125	20	20	18						
	2.5	20	20	125	20	20	25						
	2.5	25	25	150	25	25	17						
	2.5	25	25	150	25	25	10						
2.5	25	25	150	25	25	18							
2.5	25	25	150	25	25	25							
MGEHR/L 1212-3 1616-3 1616-3T10 1616-3T15 1616-3T20 1616-3T25 1616-3T30 2020-3 2020-3T05 2020-3T10 2020-3T15 2020-3T20 2020-3T25 2020-3T30 2020-3T35 2525-3 2525-3T05 2525-3T10 2525-3T15 2525-3T20 2525-3T25 2525-3T30 2525-3T35 3232-3 3232-3T20	3	12	12	100	12	12	20	M4×16	L3	MGMN300 MGGN300 MRMN300	●	●	
	3	12	12	100	12	12	20						
	3	16	16	100	16	16	10						
	3	16	16	100	16	16	15						
	3	16	16	100	16	16	20						
	3	16	16	100	16	16	25						
	3	16	16	100	16	16	30						
	3	20	20	125	20	20	20						
	3	20	20	125	20	20	5						
	3	20	20	125	20	20	10						
	3	20	20	125	20	20	15						
	3	20	20	125	20	20	20						
	3	20	20	125	20	20	25						
	3	20	20	125	20	20	30						
	3	20	20	125	20	20	35						
	3	25	25	150	25	25	20						
	3	25	25	150	25	25	5						
	3	25	25	150	25	25	10						
	3	25	25	150	25	25	15						
	3	25	25	150	25	25	20						
	3	25	25	150	25	25	25						
	3	25	25	150	25	25	30						
	3	25	25	150	25	25	35						
	3	25	25	150	25	25	40						
	3	32	32	170	32	32	20						
	3	32	32	170	32	32	20						

切槽/切断加工

外圆切槽/切断车刀

External Cut-off / Grooving turning tool

刀把型号 Ordering code	尺寸 Dimensions							螺丝 Screw 	扳手 Wrench 	刀片 Insert 	Stock		Order Number					
	W	b	h	L	h1	f	Tmax				R	L						
MGEHR/L 1616-4	4	16	16	100	16	16	20	M5×20	L4		●	●						
1616-4T10	4	16	16	100	16	16	10				●	●						
1616-4T15	4	16	16	100	16	16	15				●	●						
1616-4T20	4	16	16	100	16	16	20				●	●						
1616-4T25	4	16	16	100	16	16	25				●	●						
1616-4T30	4	16	16	100	16	16	30				●	●						
2020-4	4	20	20	125	20	20	20				M6×20	L5		MGMN400 MGGN400 MRMN400	●	●		
2020-4T10	4	20	20	125	20	20	10								●	●		
2020-4T15	4	20	20	125	20	20	15								●	●		
2020-4T20	4	20	20	125	20	20	20								●	●		
2020-4T25	4	20	20	125	20	20	25	●	●									
2020-4T30	4	20	20	125	20	20	30	●	●									
2020-4T35	4	20	20	125	20	20	35	●	●									
2525-4	4	25	25	150	25	25	20	M6×20	L5	MGMN400 MGGN400 MRMN400			●		●			
2525-4T10	4	25	25	150	25	25	10						●		●			
2525-4T15	4	25	25	150	25	25	15						●		●			
2525-4T20	4	25	25	150	25	25	20				●	●						
2525-4T25	4	25	25	150	25	25	25				●	●						
2525-4T30	4	25	25	150	25	25	30				●	●						
2525-4T35	4	25	25	150	25	25	35				●	●						
2525-4T40	4	25	25	150	25	25	40				●	●						
3232-4	4	32	32	170	32	32	20	M6×20	L5	MGMN400 MGGN400 MRMN400	●	●						
3232-4T20	4	32	32	170	32	32	20				●	●						
MGEHR/L 2020-5	5	20	20	125	20	20	25	M6×20	L5	MGMN500 MGGN500 MRMN500	●	●						
2020-5T10	5	20	20	125	20	20	10				●	●						
2020-5T15	5	20	20	125	20	20	15				●	●						
2020-5T20	5	20	20	125	20	20	20				●	●						
2020-5T25	5	20	20	125	20	20	25				●	●						
2020-5T30	5	20	20	125	20	20	30				●	●						
2020-5T35	5	20	20	125	20	20	35				●	●						
2525-5	5	25	25	150	25	25	25				M6×20	L5		MGMN500 MGGN500 MRMN500	●	●		
2525-5T10	5	25	25	150	25	25	10								●	●		
2525-5T15	5	25	25	150	25	25	15								●	●		
2525-5T20	5	25	25	150	25	25	20								●	●		
2525-5T25	5	25	25	150	25	25	25								●	●		
2525-5T30	5	25	25	150	25	25	30								●	●		
2525-5T35	5	25	25	150	25	25	35								●	●		
2525-5T40	5	25	25	150	25	25	40								●	●		
2525-5T45	5	25	25	150	25	25	45								●	●		
3232-5	5	32	32	170	32	32	25								M6×20	L5		MGMN500 MGGN500 MRMN500
3232-5T30	5	32	32	170	32	32	30				●	●						
3232-5T45	5	32	32	170	32	32	45	●	●									
MGEHR/L 2020-6	6	20	20	125	20	20	25	M6×20	L5	MGMN600 MGGN600 MRMN600	●	●						
2525-6	6	25	25	150	25	25	25				M6×20	L5		MGMN600 MGGN600 MRMN600	●	●		
2525-6T10	6	25	25	150	25	25	10								●	●		
2525-6T15	6	25	25	150	25	25	15								●	●		
2525-6T20	6	25	25	150	25	25	20								●	●		
2525-6T25	6	25	25	150	25	25	25								●	●		
2525-6T30	6	25	25	150	25	25	30								●	●		
2525-6T35	6	25	25	150	25	25	35								●	●		
2525-6T40	6	25	25	150	25	25	40								●	●		
2525-6T45	6	25	25	150	25	25	45								●	●		
3232-6	6	32	32	170	32	32	25								M6×20	L5		MGMN600 MGGN600 MRMN600
3232-6T30	6	32	32	170	32	32	30				●	●						
3232-6T45	6	32	32	170	32	32	45				●	●						
MGEHR/L 2525-8	8	25	25	150	25	25	28				M6×20	L5		MGMN800 MRMN800			●	
3232-8	8	32	32	170	32	32	28	●	●									

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

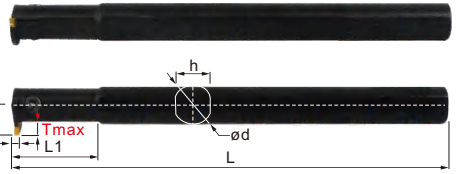
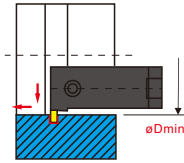
切槽
切断

端面
切槽

阻尼
模组

附注：使用加长切深刀杆时，请注意刀片干涉并修磨刀片
Note: when using the extended depth cutter, please pay attention to the Insert interference and grind the Insert

MGIVR



内孔切槽加工
Internal Grooving Processing

刀片 (Inserts): A45-A46 零配件 (Toolholder Parts): P03-P05

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							螺丝 Screw	扳手 Wrench	刀片 Insert	Stock		Order Number
	W	Tmax	ød	f	L	L1	h				R	L	
MGIVR/L 2016-1.5	1.5	3.5	16	12.4	160	35	14.8	M4×15	L3	MGMN150 MGGN150 MRMN150	●	●	
2016-1.5T3	1.5	3.5	16	11	160	35	14.8				●	●	
2316-1.5T6	1.5	6	16	14	160	35	14.8				●	●	
2520-1.5	1.5	4.5	20	14	180	45	18.4	M5×20	L4	MGMN150 MGGN150 MRMN150	●	●	
2720-1.5T6	1.5	6	20	16	180	45	18.4				●	●	
2925-1.5	1.5	4.5	25	17.25	200	50	23.4				●	●	
3425-1.5T8	1.5	8	25	20.5	200	50	23.4				●	●	
1812-2T5	2	5	12	11	150	35	11				M4×15	L3	●
2016-2	2	4.5	16	12.4	160	35	14.8	M4×15	L3	MGMN200 MGGN200 MRMN200	●	●	
2416-2T7	2	7	16	15	160	35	14.8				●	●	
2520-2	2	4.5	20	14	180	45	18.4	M5×20	L4	MGMN200 MGGN200 MRMN200	●	●	
2820-2T7	2	7	20	17	180	45	18.4				●	●	
3120-2T10	2	10	20	20	180	45	18.4				●	●	
2925-2	2	4.5	25	17.25	200	50	23.4				●	●	
3225-2T6	2	6	25	18.5	200	50	23.4				●	●	
3425-2T8	2	8	25	20.5	200	50	23.4				●	●	
3625-2T10	2	10	25	22.5	200	50	23.4				●	●	
4032-2T7	2	7	32	23	250	70	30	M6×20	L5	●	●		
MGIVR/L 2016-2.5	2.5	4.5	16	12.4	160	35	14.8	M4×15	L3	MGMN250 MGGN250 MRMN250	●	●	
2316-2.5T6	2.5	6	16	14	160	35	14.8				●	●	
2520-2.5	2.5	4.5	20	15.6	180	45	18.4	M5×20	L4	MGMN250 MGGN250 MRMN250	●	●	
2520-2.5T4	2.5	4	20	14	180	45	18.4				●	●	
2820-2.5T7	2.5	7	20	17	180	45	18.4				●	●	
2925-2.5	2.5	4.5	25	18.9	200	50	23.4				●	●	
3225-2.5T6	2.5	6	25	18.5	200	50	23.4				●	●	
3425-2.5T8	2.5	8	25	20.5	200	50	23.4				●	●	
3625-2.5T10	2.5	10	25	22.5	200	50	23.4				●	●	
3932-2.5T6	2.5	6	32	22	250	70	30	M6×20	L5	●	●		
4332-2.5T10	2.5	10	32	26	250	70	30	M6×20	L5	●	●		
MGIVR/L 2016-3	3	5	16	14.5	160	35	14.8	M4×15	L3	MGMN300 MGGN300 MRMN300	●	●	
2416-3T7	3	7	16	15	160	35	14.8				●	●	
2520-3	3	6	20	15.6	180	45	18.4	M5×20	L4	MGMN300 MGGN300 MRMN300	●	●	
2720-3T6	3	6	20	16	180	45	18.4				●	●	
2920-3T8	3	8	20	18	180	45	18.4				●	●	
3120-3T10	3	10	20	20	180	45	18.4				●	●	
3125-3	3	6	25	18.9	200	50	23.4				●	●	
3225-3T6	3	6	25	18.5	200	50	23.4	●	●				
3625-3T10	3	10	25	22.5	200	50	23.4	●	●				
3732-3	3	6	32	21.5	250	70	30	M6×20	L5	MGMN300 MGGN300 MRMN300	●	●	
3832-3T5	3	5	32	21	250	70	30				●	●	
4532-3T12	3	12	32	28	250	70	30				●	●	
4540-3	3	8	40	27.2	300	80	38	M8×30	L6	MGMN300 MGGN300 MRMN300	●	●	
5640-3T15	3	15	40	35	300	80	38				●	●	
MGIVR/L 2016-4	4	6	16	15	160	35	14.8	M4×15	L3	MGMN400 MGGN400 MRMN400	●	●	
2416-4T7	4	7	16	15	160	35	14.8				●	●	
2520-4	4	6	20	15.6	180	45	18.4	M5×20	L4	MGMN400 MGGN400 MRMN400	●	●	
2720-4T6	4	6	20	16	180	45	18.4				●	●	
2920-4T8	4	8	20	18	180	45	18.4				●	●	
3125-4	4	6	25	18.9	200	50	23.4				●	●	
3225-4T6	4	6	25	18.5	200	50	23.4				●	●	
3625-4T10	4	10	25	22.5	200	50	23.4	●	●				
3732-4	4	6	32	21.5	250	70	30	M6×20	L5	MGMN400 MGGN400 MRMN400	●	●	
3832-4T5	4	5	32	21	250	70	30				●	●	
4532-4T12	4	12	32	28	250	70	30				●	●	
4540-4	4	8	40	27.2	300	80	38	M8×30	L6	MGMN400 MGGN400 MRMN400	●	●	
5640-4T15	4	15	40	35	300	80	38				●	●	

车削刀柄
CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀
Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

切槽/切断加工

外圆切槽/切断车刀

External Cut-off / Grooving turning tool



车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

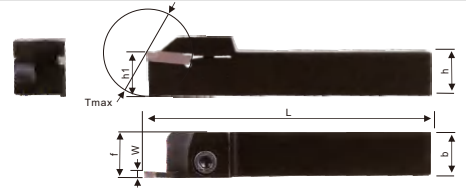
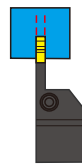
切槽
切断

端面
切槽

阻尼
模组

刀把型号 Ordering code	尺寸 Dimensions							螺丝 Screw	扳手 Wrench	刀片 Insert	Stock		Order Number
	W	Tmax	ød	f	L	L1	h				R	L	
MGIVR/L 3120-5T10 3125-5 3225-5T6 3625-5T10 3732-5 4532-5T12 5532-5T22 4540-5 5640-5T15	5	10	20	20	180	45	18.4	M5×20	L4	MGMN500 MGGN500 MRMN500	●	●	
	5	8	25	18.9	200	50	23.4				●	●	
	5	6	25	18.5	200	50	23.4				●	●	
	5	10	25	22.5	200	50	23.4				●	●	
	5	8	32	21.5	250	70	30	M6×20	L5		●	●	
	5	12	32	28	250	70	30				●	●	
	5	22	32	38	250	70	30				●	●	
	5	10	40	27.2	300	80	38				●	●	
5	15	40	35	300	80	38	M8×30	L6	●	●			
MGIVR/L 3125-6 3225-6T6 3732-6 4532-6T12 5640-6T15	6	8	25	19.4	200	50	23.4	M5×20	L4	MGMN600 MRMN600	●	●	
	6	6	25	18.5	200	50	23.4				●	●	
	6	8	32	21.5	250	70	30	M6×20	L5		●	●	
	6	12	32	28	250	70	30				●	●	
MGIVR/L 5640-6T15 3732-8 4532-8T12 4540-8 5640-8T15	6	15	40	35	300	80	38	M8×30	L6	●	●		
	8	10	32	23.5	250	70	30	M6×20	L5	MGMN800 MRMN800	●		●
	8	12	32	28	250	70	30				●		●
	8	10	40	27.2	300	80	38	M8×30	L6		●		●
	8	15	40	35	300	80	38				●		●

MGEHR..D 走心机用圆弧加强型
(Circular arc strengthening type)



图示方向 (R) R-Type

走心机外径切槽/切断加工
External Cut-Off/Grooving

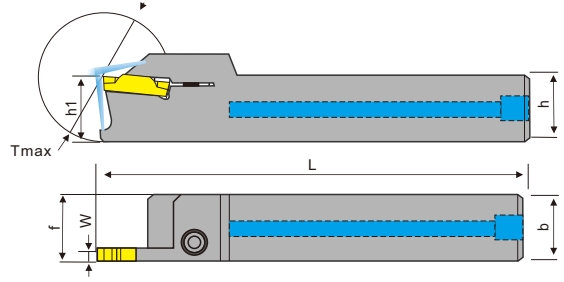
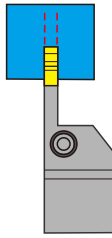
刀片 (Inserts): A45-A46 零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	W	b	h	L	h1	f	Tmax				R	L	
MGEHR/L 1010-1.5D24 1212-1.5D24 1616-1.5D24 2020-1.5D30	1.5	10	10	100	10	10	12	MGMN150 MGGN150 MRMN150	M4×16 M5×20 M6×20	L3 L4 L5	●	●	
	1.5	12	12	100	12	12	12				●	●	
	1.5	16	16	100	16	16	12				●	●	
	1.5	20	20	125	20	20	15				●	●	
MGEHR/L 1010-2D24 1212-2D24 1616-2D24 2020-2D30	2	10	10	100	10	10	12	MGMN200 MGGN200 MRMN200	M4×16 M5×20 M6×20	L3 L4 L5	●	●	
	2	12	12	100	12	12	12				●	●	
	2	16	16	100	16	16	12				●	●	
	2	20	20	125	20	20	15				●	●	
MGEHR/L 1212-2.5D24 1616-2.5D24 2020-2.5D30	2.5	12	12	100	12	12	12	MGMN250 MGGN250 MRMN250	M4×16 M5×20 M6×20	L3 L4 L5	●	●	
	2.5	16	16	100	16	16	12				●	●	
	2.5	20	20	125	20	20	15				●	●	
	2.5	20	20	125	20	20	15				●	●	
MGEHR/L 1212-3D24 1616-3D24 2020-3D30	3	12	12	100	12	12	12	MGMN/MGGN300 MRMN300	M4×16 M5×20 M6×20	L3 L4 L5	●	●	
	3	16	16	100	16	16	12				●	●	
	3	20	20	125	20	20	15				●	●	

车削
刀柄

MGEHR..OH 内冷高效型
(Internal cooling high-efficiency type)

CSV
凸轮
车床
刀具



DS
刀柄

外径切槽/切断加工
External Cut-Off/Grooving

正面
排刀

刀片 (Inserts): A45-A46 零配件 (Toolholder Parts): P03-P05

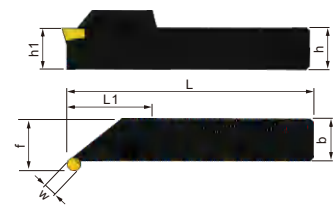
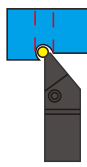
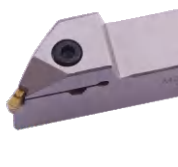
图示方向 (R) R-Type

Y轴
刀柄

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	W	b	h	L	h1	f	Tmax				R	L	
MGEHR/L 1010-1.5D24-OH	1.5	10	10	100	10	10	12	MGMN150	M4×16	L3	●	●	
1212-1.5D24-OH	1.5	12	12	100	12	12	12	MGMN150	M5×20	L4	●	●	
1616-1.5D24-OH	1.5	16	16	100	16	16	12	MRMN150	M6×20	L5	●	●	
2020-1.5D30-OH	1.5	20	20	125	20	20	15				●	●	
MGEHR/L 1010-2D24-OH	2	10	10	100	10	10	12	MGMN200	M4×16	L3	●	●	
1212-2D24-OH	2	12	12	100	12	12	12	MGMN200	M5×20	L4	●	●	
1616-2D24-OH	2	16	16	100	16	16	12	MRMN200	M6×20	L5	●	●	
2020-2T20-OH	2	20	20	125	20	20	20				●	●	
2525-2T25-OH	2	25	25	150	25	25	25				●	●	
MGEHR/L 1212-2.5D24-OH	2.5	12	12	100	12	12	12	MGMN250	M4×16	L3	●	●	
1616-2.5D24-OH	2.5	16	16	100	16	16	12	MGMN250	M5×20	L4	●	●	
2020-2.5T20-OH	2.5	20	20	125	20	20	20	MRMN250	M6×20	L5	●	●	
2525-2.5T25-OH	2.5	25	25	150	25	25	25				●	●	
MGEHR/L 1212-3D24-OH	3	12	12	100	12	12	12	MGMN300	M4×16	L3	●	●	
1616-3T20-OH	3	16	16	100	16	16	20	MGMN300	M5×20	L4	●	●	
2020-3T20-OH	3	20	20	125	20	20	20	MRMN300	M6×20	L5	●	●	
2525-3T20-OH	3	25	25	150	25	25	20				●	●	
3232-3T20-OH	3	32	32	170	32	32	20				●	●	
MGEHR/L 2020-4T20-OH	4	20	20	125	20	20	20	MGMN400	M6×20	L5	●	●	
2525-4T20-OH	4	25	25	150	25	25	20	MGMN400			●	●	
3232-4T20-OH	4	32	32	170	32	32	20	MRMN400			●	●	
MGEHR/L 2020-5T25-OH	5	20	20	125	20	20	25	MGMN500	M6×20	L5	●	●	
2525-5T25-OH	5	25	25	150	25	25	25	MGMN500			●	●	
3232-5T25-OH	5	32	32	170	32	32	25	MRMN500			●	●	
MGEHR/L 2020-6T25-OH	6	20	20	125	20	20	25	MGMN600	M6×20	L5	●	●	
2525-6T25-OH	6	25	25	150	25	25	25	MGMN600			●	●	
3232-6T25-OH	6	32	32	170	32	32	25	MRMN600			●	●	

外圆
车削

MGEU..



内孔
车削

外径退刀槽加工
Outer diameter cutting groove machining

刀片 (Inserts): A45-A46 零配件 (Toolholder Parts): P03-P05

图示方向 (R) R-Type

切槽
切断

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	b	h	L	L1	h1	f	W				R	L	
MGEUR/L1616-2	16	16	100	26	16	18	2	MRMN200	M5×20	L4	●	○	256500
MGEUR/L1616-3	20	20	100	30	16	19	3				●	○	256502
MGEUR/L2020-3	20	20	125	30	20	23	3	MRMN300			●	○	256504
MGEUR/L2525-3	25	25	150	30	25	28	3				●	○	256506
MGEUR/L3232-3	32	32	170	30	32	35	3				●	○	256508
MGEUR/L2020-4	20	20	125	30	20	24	3	MRMN400	M6×22	L5	●	○	256510
MGEUR/L2525-4	25	25	150	30	25	29	3				●	○	256512
MGEUR/L3232-4	32	32	170	30	32	36	3				●	○	256514
MGEUR/L2020-5	20	20	125	30	20	25	4	MRMN500			●	○	256516
MGEUR/L2525-5	25	25	150	30	25	30	4				●	○	256518
MGEUR/L3232-5	32	32	170	30	32	37	4				●	○	256520
MGEUR/L2525-6	25	25	150	30	25	31	4	MRMN600			●	○	256522
MGEUR/L3232-6	32	32	170	30	32	38	4				●	○	256524
MGEUR/L2525-8	25	25	150	30	25	33	5	MRMN800			●	○	256526
MGEUR/L3232-8	32	32	170	30	32	40	5				●	○	256528

端面
切槽

阻尼
模组

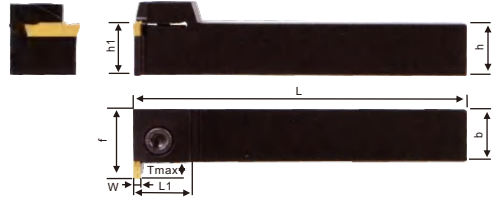
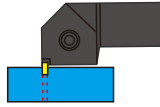
切槽/切断加工

外圆/内孔切槽车刀

External / Internal Grooving turning tool

MGEVR/L

外径切槽加工
External Cut-Off Processing



刀片 (Inserts): A45-A46 零配件 (Toolholder Parts): P03-P05

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							螺丝 Screw	扳手 Wrench	刀片 Insert	Stock		Order Number
	W	b	h	L	h1	f	Tmax				R	L	
MGEVR/L 1616-1.5 1616-1.5T6 1616-1.5T8 2020-1.5 2020-1.5T5 2020-1.5T10 2525-1.5 2525-1.5T8	1.5	16	16	100	16	21	5	M5x20	L4	MGMN150 MGGN150 MRMN150	●	●	
	1.5	16	16	100	16	22	6				●	●	
	1.5	16	16	100	16	24	8				●	●	
	1.5	20	20	125	20	26	6				●	●	
	1.5	20	20	125	20	25	5				●	●	
	1.5	20	20	125	20	30	10				●	●	
MGEVR/L 1616-2 1616-2T6 1616-2T13 2020-2 2020-2T7 2020-2T10 2525-2 2525-2T8 2525-2T15	2	16	16	100	16	21	5	M5x20	L4	MGMN200 MGGN200 MRMN200	●	●	
	2	16	16	100	16	22	6				●	●	
	2	16	16	100	16	29	13				●	●	
	2	20	20	125	20	26	6				●	●	
	2	20	20	125	20	27	7				●	●	
	2	20	20	125	20	30	10				●	●	
	2	25	25	150	25	33	6				●	●	
	2	25	25	150	25	35	8				●	●	
	2	25	25	150	25	40	15				●	●	
MGEVR/L 1616-2.5 1616-2.5T6 1616-2.5T10 2020-2.5 2020-2.5T6 2020-2.5T10 2525-2.5 2525-2.5T10	2.5	16	16	100	16	21	5	M5x20	L4	MGMN250 MGGN250 MRMN250	●	●	
	2.5	16	16	100	16	22	6				●	●	
	2.5	16	16	100	16	26	10				●	●	
	2.5	20	20	125	20	26	6				●	●	
	2.5	20	20	125	20	26	6				●	●	
	2.5	20	20	125	20	30	10				●	●	
	2.5	25	25	150	25	33	7				●	●	
	2.5	25	25	150	25	35	10				●	●	
MGEVR/L 1616-3 1616-3T6 1616-3T13 2020-3 2020-3T6 2020-3T15 2525-3 2525-3T8 2525-3T15	3	16	16	100	16	23	7	M5x20	L4	MGMN300 MGGN300 MRMN300	●	●	
	3	16	16	100	16	22	6				●	●	
	3	16	16	100	16	29	13				●	●	
	3	20	20	125	20	27	7				●	●	
	3	20	20	125	20	26	6				●	●	
	3	20	20	125	20	35	15				●	●	
	3	25	25	150	25	32	7				●	●	
	3	25	25	150	25	33	8				●	●	
	3	25	25	150	25	40	15				●	●	
	MGEVR/L 1616-4 1616-4T6 1616-4T9 1616-4T13 2020-4 2020-4T5 2020-4T10 2020-4T15 2525-4 2525-4T8 2525-4T15	4	16	16	100	16	23				7	M5x20	L4
4		16	16	100	16	22	6	●	●				
4		16	16	100	16	25	9	●	●				
4		16	16	100	16	29	13	●	●				
4		20	20	125	20	27	7	●	●				
4		20	20	125	20	25	5	●	●				
4		20	20	125	20	30	10	●	●				
4		20	20	125	20	35	15	●	●				
4		25	25	150	25	32	7	●	●				
4		25	25	150	25	33	8	●	●				
MGEVR/L 2020-5 2020-5T6 2020-5T15 2525-5 2525-5T8 2525-5T15	5	20	20	125	20	26	6	M6x20	L5	MGMN500 MGGN500 MRMN500	●	●	
	5	20	20	125	20	26	6				●	●	
	5	20	20	125	20	35	15				●	●	
	5	25	25	150	25	33	8				●	●	
	5	25	25	150	25	33	8				●	●	
	5	25	25	150	25	40	15				●	●	

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

车削
刀柄

CSV
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车床
刀具

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正面
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前
车削

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夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

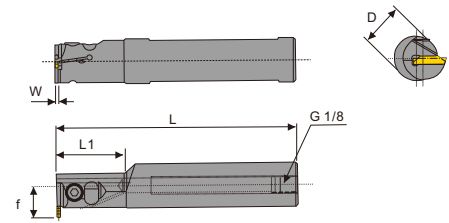
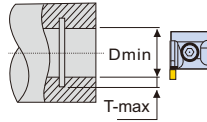
端面
切槽

阻尼
模组

TTIR/L-OH

内孔车削切槽镗刀杆，
配备高压冷却系统

Inner hole turning groove boring
arbor, equipped with high pressure
cooling system



刀片 (Inserts): B147 零配件 (Toolholder Parts): P03-P05

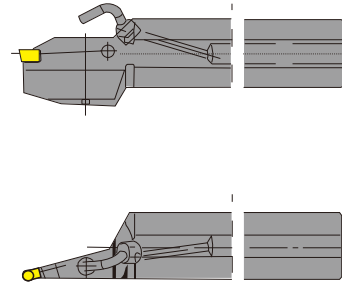
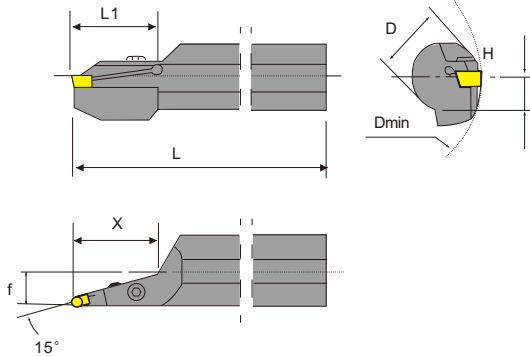
刀把型号 Ordering code	刀座 尺寸	尺寸 Dimensions							70 bar 流量 70 barTraffic	100 bar 流量 100 barTraffic	140 bar 流量 140 barTraffic	刀片 Insert
		D	L	L1	f	W	T-max	Dmin				
TTIR/L 20-2T06-OH	2	20	120	40	17	1.8	6	27	12-14	15-17	18-20	TD..2
	2	25	150	40	19.5	1.6	6	29	12-14	15-17	18-20	
TTIR/L 20-3T06-OH	3	20	120	40	17	2.4	6	27	14-16	17-19	21-23	TD..3
	3	25	150	40	19.5	2.4	6	29	14-16	17-19	21-23	
TTIR/L 20-4T06-OH	4	20	120	40	17	3	6	27	24-26	29-31	35-37	TD..4
	4	25	150	40	19.5	3	6	29	24-26	29-31	35-37	
TTIR/L 32-4T10-OH	4	32	150	60	27	3	10	40	24-26	29-31	35-37	TD..4
	4	32	150	60	27	3	10	40	24-26	29-31	35-37	

刀把型号 Ordering code	螺丝 Screw	扳手 Wrench
TTIR/L-20-OH	M5x12	L4
TTIR/L-25/32-OH	M5x16	L4

TGIUR/L-15A

内孔车削切槽镗刀杆，
配备高压冷却系统

Inner hole turning groove boring
arbor, equipped with high pressure
cooling system



刀片 (Inserts): B147 零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	刀座 尺寸	尺寸 Dimensions							图示 Illustration	冷却 Cooling	刀片 Insert
		D	L	L1	f	H	X	Dmin			
TGIUR/L 40-6-15A	6	40	320	60	19.8	19.0	50.00	160	1	外冷	TD..6..
	6	40	320	60	19.8	19.0	50.00	160	2	内冷	
	6	50	350	85	23.2	23.5	85.00	200	2	内冷	
40-8-15A	8	40	320	65	19.0	19.0	81.35	160	1	外冷	TD..8..
	8	40	320	85	19.0	19.0	83.00	160	2	内冷	
	8	50	350	85	23.5	23.5	85.00	200	2	内冷	

刀把型号 Ordering code	螺丝 Screw	扳手 Wrench	密封螺帽 Sealing nut	冷却管 Cooling tubes	喷嘴 Nozzle
TGIUR/L	M6x25	PI50	PL40(PT1/8")	MP 5	M5-L60

车削
刀柄

CSV
凸轮
车削
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

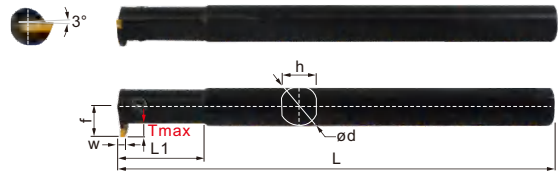
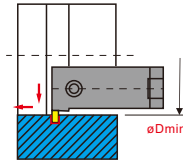
阻尼
模组

切槽/切断加工

外圆/内孔切槽车刀

External / Internal Grooving turning tool

TTIR



内孔切槽加工
Internal Grooving Processing

刀片 (Inserts): B147 零配件 (Toolholder Parts): P03-P05

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions								螺丝 Screw	扳手 Wrench	刀片 Insert	Stock		Order Number
	W	Tmax	ød	f	L	L1	h	R				L		
TTIR/L 16-2C 16-2T8 20-2C 20-2T8 25-2C 25-2T8 32-2T8	2	8.5	16	16.5	160	40	14.8	M4×16	L3	TD..2	●	●	256800	
	2	8.0	16	12.4	160	38	14.8				●	●	256860	
	2	6.0	20	15.8	160	40	18.4				●	●	256802	
	2	8.0	20	14	160	45	18.4	M5×20	L4		●	●	256861	
	2	5.0	25	17.5	200	40	23.4				●	●	256804	
	2	8.0	25	17.25	200	50	23.4				●	●	256862	
	2	8.0	32	20.5	250	70	30				●	●	256863	
TTIR/L 16-3T8 20-3C 20-3T8 25-3C 25-3C-T8 25-3T10 32-3C 32-3C-T10 32-3T12 40-3C-T12 40-3T15	3	8.0	16	15	160	38	14.8	M4×16	L3	TD..3	●	●	256864	
	3	6.0	20	15.8	160	40	18.4				●	●	256806	
	3	8.0	20	15.6	160	45	18.4				●	●	256865	
	3	5.1	25	17.5	200	40	23.4	M5×20	L4		●	●	256808	
	3	8.0	25	21.5	200	40	23.4				●	●	256812	
	3	10	25	18.9	200	50	23.4				●	●	256866	
	3	4.7	32	19.8	250	60	30				●	●	256810	
	3	10	32	27	250	60	30	M6×25	L5		●	●	256814	
	3	12	32	21.5	250	65	30				●	●	256867	
	3	12	40	33	300	65	38				●	●	256816	
	3	15	40	27.2	300	70	38				●	●	256868	
TTIR/L 16-4T8 20-4C 20-4T8 25-4C 25-4C-T8 25-4T10 32-4C 32-4C-T10 32-4T12 40-4C-T12 40-4T15 50-4C-T15	4	8.0	16	15	160	38	14.8	M4×16	L3	TD..4	●	●	256869	
	4	6.0	20	15.8	160	40	18.4				●	●	256818	
	4	8.0	20	15.6	160	45	18.4				●	●	256870	
	4	5.2	25	17.5	200	40	23.4	M5×20	L4		●	●	256820	
	4	8.0	25	21.5	200	40	23.4				●	●	256824	
	4	10	25	18.9	200	50	23.4				●	●	256871	
	4	4.7	32	20.8	250	60	30				●	●	256822	
	4	10	32	27	250	60	30	M6×25	L5		●	●	256826	
	4	12	32	21.5	250	65	30				●	●	256872	
	4	12	40	33	300	65	38				●	●	256828	
	4	15	40	27.2	300	70	38				●	●	256873	
	4	15	50	40	350	70	48	●	●		256830			
	TTIR/L 25-5C 32-5C 32-5C-T10 40-5C-T12 50-5C-T14	5	5.2	25	17.3	200	40	23.4	M5×20		L4	TD..5	○	○
5		4.7	32	20.8	250	60	30	M6×25	L5	○	○		256834	
5		10	32	27	250	60	30			○	○		256836	
5		12	40	33	300	65	38			○	○		256838	
5		14	50	40	350	70	48			○	○		256840	
TTIR/L 32-6C 32-6C-T10 40-6C-T12 50-6C-T14	6	4.7	32	20.8	250	60	30	M6×25	L5	TD..6	○	○	256842	
	6	10	32	27	250	60	30				○	○	256844	
	6	12	40	33	300	65	38				○	○	256846	
	6	14	50	40	350	70	48				○	○	256848	
	8	5.5	32	21.3	250	60	30				M6×25	L5	TD..8	○
8	5.8	40	25.8	300	65	38	○	○	256852					

车削
车刀柄

CSV
凸轮
车床
刀具

DS
车刀柄

正面
排刀

Y轴
车刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

GM 切断加工 外圆切槽 内孔切槽

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

用途 Application	尺寸标示 Dimensioning	产品图片 Product Image	规格型号 Specification	尺寸 Dimension							CBN-K CBN-S ZM60 ZK01 ZK05 ZC250 ZC251 ZC252 ZC253
				W	rε	L	B	H	θ		
切槽/切槽加工 Cut-off/Grooving			GMM 1520-MT 2020-MT 2520-MT 3020-MT	1.5	0.0	20	1.2	4.3	-	•	•
切槽加工 Cut-off Processing			R-MT GMM 1520R-MT-15D 2020R-MT-15D 2520R-MT-15D 3020R-MT-15D	1.5	0.0	20	1.2	4.3	15°	•	•
切槽加工 Cut-off Processing			R-TK 2020R-TK-8D 2520R-TK-8D 3020R-TK-8D	2.0	0.2	20	1.5	4.3	8°	•	•
切槽加工 Cut-off Processing			R-MT GMM 1520L-MT-15D 2020L-MT-15D 2520L-MT-15D 3020L-MT-15D	1.5	0.0	20	1.2	4.3	15°	•	•
切槽加工 Cut-off Processing			R-TK 2020L-TK-8D 2520L-TK-8D 3020L-TK-8D	2.0	0.2	20	1.5	4.3	8°	•	•

用途 Application	尺寸标示 Dimensioning	产品图片 Product Image	规格型号 Specification	尺寸 Dimension							CBN-K CBN-S ZM60 ZK01 ZK05 ZC250 ZC251 ZC252 ZC253
				W	rε	L	B	H	θ		
切槽/切槽加工 Cut-off/Grooving			GMM 3020-020MW 3020-040MW 4020-020MW 4020-040MW 4020-080MW 5020-040MW 5020-080MW 6020-040MW 6020-080MW 8030-080MW	3.0	0.2	20	2.3	4.3	-	•	•
切槽加工 Cut-off Processing			GMM 3020-150R 4020-200R 5020-250R 6020-300R	3.0	1.5	20	2.3	4.3	-	•	•

KIGMR

内孔切槽加工
Internal Grooving Processing

刀片 (Inserts): B151 零配件 (Toolholder Parts): P03-P05

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	W	Tmax	ød	f	L	L1	h				R	L	
KIGM R/L 2016B-3V 2520B-3V 3225B-3V	3	5.5	16	11.5	150	25	15	GMM30, GMG30	M4×15	L3	•	•	256700
	3	6.0	20	14.5	180	32	18				•	•	256702
	3	8.0	25	19	200	40	23				•	•	256704
KIGM R/L 3225B-4V 4032B-4V	4	8.5	25	19	180	40	23	GMM40, GMG40 GMM50, GMG50	M6×25	L5	•	•	256706
	4	11.0	32	23.5	200	50	29				•	•	256708

KGMSR

外径切槽加工
External Cut-Off Processing

刀片 (Inserts): B151 零配件 (Toolholder Parts): P03-P05

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	W	b	h	L	h1	f	Tmax				R	L	
KGMSR/L 1212H-3 1616H-3 2020K-3 2525M-3	3	12	12	100	12	17	4.8	GMM3020 GMG3030 GMM3020R/L	M5×20	L4	•	•	253600
	3	16	16	100	16	21.5	4.8				•	•	253602
	3	20	20	125	20	25	4.8				•	•	253604
	3	25	25	150	25	30	4.8				•	•	253606

切槽/切断加工

外圆/内孔切槽车刀

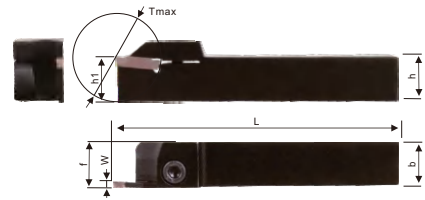
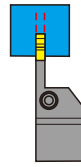
External / Internal Grooving turning tool

KGMR



T.KGMR..

弹簧钢柄
Spring Steel



外径切槽/切断加工
External Cut-Off/Grooving

刀片 (Inserts): B151 零配件 (Toolholder Parts): P03-P05

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	W	b	h	L	h1	f	Tmax				R	L	
KGMR/L 2012K-2T17	2	12	20	125	20	11.15	17	GMM2420 GMM2020R/L	M5×20	L4	●	●	253400
2020K-2T17	2	20	20	125	20	19.15	17				●	●	253402
2525M-2T17	2	25	25	150	25	24.15	17				●	●	253404
KGMR/L 1212H-3	3	12	12	100	12	10.8	9	GMM3020 GMG3030 GMM3020R/L	M5×20	L4	●	●	253406
1616H-3	3	16	16	100	16	14.8	9				●	●	253408
2020K-3	3	20	20	125	20	18.8	9				●	●	253410
2525M-3	3	25	25	150	25	23.8	9				●	●	253412
1616H-3T20	3	16	16	100	16	14.8	20				●	●	253414
2012K-3T20	3	12	20	125	20	10.8	20				●	●	253416
2020K-3T20	3	20	20	125	20	18.8	20				●	●	253418
2525M-3T20	3	25	25	150	25	23.8	20				●	●	253420
KGMR/L 2020K-4	4	20	20	125	20	18.3	10	GMM4020 GMG4030 GMM4020R/L	M6×20	L5	●	●	253422
2525M-4	4	25	25	150	25	23.3	10				●	●	253424
2020K-4T20	4	20	20	125	20	18.3	20				●	●	253426
2525M-4T20	4	25	25	150	25	23.3	20				●	●	253428
2525M-4T25	4	25	25	150	25	23.3	25				●	●	253430
KGMR/L 2020K-5	5	20	20	125	20	17.8	10	GMM5020 GMG5030 GMM5020R/L	M6×20	L5	●	●	253432
2525M-5	5	25	25	150	25	22.8	10				●	●	253434
3232P-5	5	32	32	170	32	29.8	10				●	●	253436
2525M-5T25	5	25	25	150	25	22.8	25				●	●	253438
3232P-5T25	5	32	32	170	32	29.8	25				●	●	253440
KGMR/L 2525M-6T30	6	25	25	150	25	22.4	30	GMM6020, GMG6030 GMM6020R/L	M6×20	L5	●	●	253442
KGMR/L 2525M-8	8	25	25	150	25	22.0	25	GMM8020 GMG8030 GMM8020R/L	M6×20	L5	●	●	253444
3232P-8	8	32	32	170	32	29.0	25				●	●	253446

自动车床用 Used Of Automatic Lathe

KGMR/L 0810K-1.5-125	1.5	10	8	125	8	9.4	5	GMM1520 GMM1520R/L	M5×20	L4	●	●	253500
1010K-1.5-125	1.5	10	10	125	10	9.4	10				●	●	253502
1212F-1.5-85	1.5	12	12	85	12	11.4	12.5				●	●	253504
1212M-1.5-150	1.5	12	12	150	12	11.4	12.5				●	●	253506
KGMR/L 0810K-2-125	2	10	8	125	8	9.2	5	GMM2420 GMM2020R/L	M5×20	L4	●	●	253508
1010K-2-125	2	10	10	125	10	9.15	10				●	●	253510
1212F-2-85	2	12	12	85	12	11.15	12.5				●	●	253512
1212M-2-150	2	12	12	150	12	11.15	12.5				●	●	253514
1616M-2-150	2	16	16	150	16	15.15	16				●	●	253516
KGMR/L 1010K-2.5-125	2.5	10	10	125	10	9	10	GMM2520 GMM2520R/L	M5×20	L4	●	●	253518
1212F-2.5-85	2.5	12	10	85	10	11	12.5				●	●	253520
1212M-2.5-150	2.5	12	12	150	12	11	12.5				●	●	253522
1616M-2.5-150	2.5	16	16	150	16	15	16				●	●	253524
KGMR/L 1616M-3-150	3	16	16	150	16	14.8	16	GMM3020, GMG3030 GMM3020R/L	M6×20	L5	●	●	253526

弹簧钢防震刀杆 (防震效果>4倍柄径)

Spring Steel Shock-Proof Toolholder (Shock-Proof Effect > 4 Times Toolholder Diameter)

B-KGMR/L 1010J-1.5T12	1.5	10	10	110	10	10	12	GMM1520 GMM1520R/L	M5×20	L4	●	●	353450
1212G-1.5T12	1.5	12	12	90	12	12	12				●	●	353452
1212J-1.5T12	1.5	12	12	110	12	12	12				●	●	353454
1616G-1.5T15	1.5	16	16	90	16	16	15				●	●	353456
2020K-1.5T15	1.5	20	20	125	20	20	15	●	●	353458			
B-KGMR/L 1010J-2T12	2	10	10	110	10	10	12	GMM2420 GMM2020R/L	M5×20	L4	●	●	353460
1212G-2T12	2	12	12	90	12	12	12				●	●	353462
1212J-2T12	2	12	12	110	12	12	12				●	●	353464
1616H-2T17	2	16	16	100	16	16	17				●	●	353466
1616J-2T12	2	16	16	110	16	16	12				●	●	353468
2020K-2T12	2	20	20	125	20	20	12				●	●	353470
B-KGMR/L 1616H-3T20	3	16	16	100	16	16	20	GMM3020 GMG3030 GMM3020R/L	M6×20	L5	●	●	353472
2020K-3T20	3	20	20	125	20	20	20				●	●	353474
2525M-3T20	3	25	25	150	25	25	20				●	●	353476
B-KGMR/L 2525M-4T20	4	25	25	150	25	25	20	GMM4020R/L	M6×20	L5	●	●	353478

车削
车刀

CSV
凸轮
车床
刀具

DS
车刀

正面
排刀

Y轴
车刀

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

切削线速度 (Cutting Speed): m/min¹

(mm)

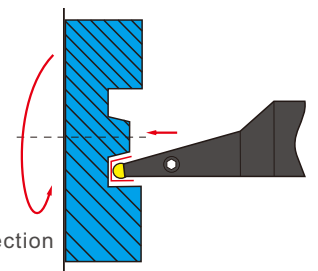
加工材料 Material	刀具材质 Material	材料特点 Material Features	PCD	CBN-K	CBN-S	ZN60	ZN90	ZK01	ZC250	ZC251	ZC32S	ZP152	ZP153	ZP163	ZK50	ZK50S
			金刚石 Diamond	铸铁专用 Cast Iron Special	难切削材料 Difficult to Cut	光洁度好 Good Finish	高速精加工 High Speed Finishing	铝铜加工 Aluminum/Copper	CVD 钢件 CVD Steel	CVD 钢件 CVD Steel	钢件高速 Steel High Speed	不锈钢通用 Stainless Steel General	不锈钢高速 Stainless Steel High Speed	高速高速 High Speed High Speed	CVD 铸铁 CVD Cast Iron	铸铁高速 Cast Iron High Speed
P	低碳钢					150-600	150-800		70-500	150-500	150-600	70-250	100-250	80-300		
	高碳钢					150-350	150-500		70-250	80-350	100-400	70-150	80-150	60-200		
M	淬硬钢 HRC46-58				10-30											
	不锈钢					200-300	200-350					50-150	70-150	50-200		
K	灰口铸铁		300-1500			100-300	100-350								200-300	200-350
	球墨铸铁/轧辊		400-800			100-200	100-250								150-200	150-250
N	镁/锌/塑料/木材		300-1200					300-1200								
	铝合金 HB50-70		300-1500					300-1500								
S	淬硬铝合金 HB70-110		300-800					300-800								
	铜/青铜/黄铜		300-1000					300-1000								
H	硬质合金/粉末冶金		10-30					10-30					20-50			
	硅填充塑料/硬质纤维		400-600					400-600								
	钛/高温合金/碳纤维		100-200					100-200				20-50	20-60	30-80		

应用 Application	尺寸标示 Dimensioning	产品图片 Product Image	规格型号 Specification	尺寸 Dimension							应用 Application
				W	r _c	L	B	H	φ		
切槽/切槽加工 Grooving			ZTED 02503-MG	2.5	0.3	17	-	-	-	•	•
			0303-MG	3.0	0.3	17	-	-	-	•	•
			0404-MG	4.0	0.4	22	-	-	-	•	•
			0504-MG	5.0	0.4	22	-	-	-	•	•
			0608-MG	6.0	0.8	22	-	-	-	•	•
切槽加工 Grooving			ZRED 025-MG	2.5	1.25	17.5	-	-	-	•	•
			03-MG	3.0	1.5	17	-	-	-	•	•
			04-MG	4.0	2.0	21	-	-	-	•	•
			05-MG	5.0	2.5	20	-	-	-	•	•
			06-MG	6.0	3.0	19	-	-	-	•	•

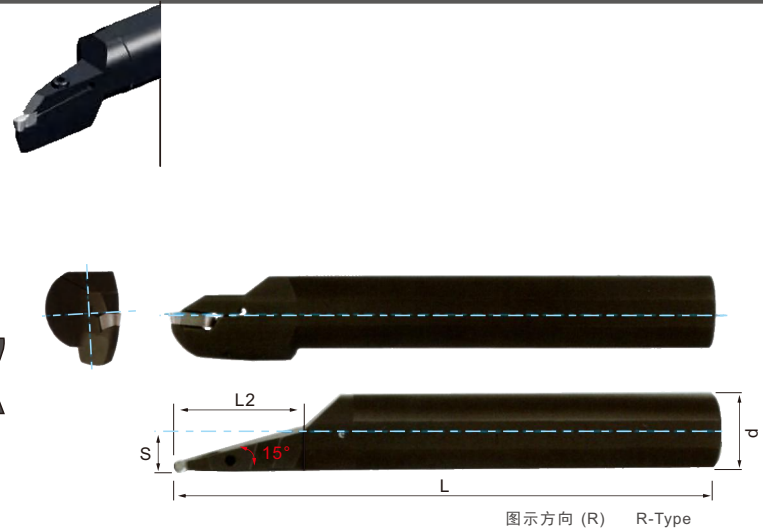
应用 Application	尺寸标示 Dimensioning	产品图片 Product Image	规格型号 Specification	尺寸 Dimension							应用 Application
				W	r _c	L	B	H	φ		
切槽加工 Grooving			ZRKD 06-LH	6.0	3.0	19	-	-	-	•	•
			ZRLD 08-LH	8.0	4.0	22	-	-	-	•	•

C..Q.DR

轮毂铝材仿形加工
Profile Copying of Aluminum Wheel Hub



工件旋转方向
Workpiece Rotation Direction



刀片 (Inserts): B153 零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions					刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	φDmin	φd	S	L1	L2				R	L	
C40T-QLDR/L65-15A	160	40	21	300	65	ZRLD08-LH	M6×20	L5	•	•	255630
C40T-QLDR/L80-15A	160	40	21	300	80				•	•	255631
C50U-QLDR/L80-15A	160	50	26	350	80				•	•	255632
C40T-QKDR/L60-15A	160	40	21	300	60	ZRKD06-LH	M6×20	L5	•	•	255633
C40T-QKDR/L75-15A	160	40	21	300	75				•	•	255634
C50U-QKDR/L75-15A	160	50	26	350	75				•	•	255635

车削刀柄

CSV 凸轮车削刀具

DS 刀柄

正面排刀

Y轴刀柄

前车削

后车削

小径切槽切螺纹

小孔加工

滚花车花

焊接车刀夹头

外圆车削

内孔车削

螺纹车削

切槽切断

端面切槽

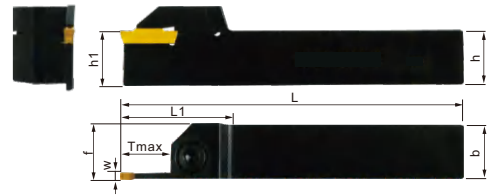
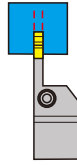
阻尼模组

切槽/切断加工

外圆/内孔切槽车刀

External / Internal Grooving turning tool

QE.D..R



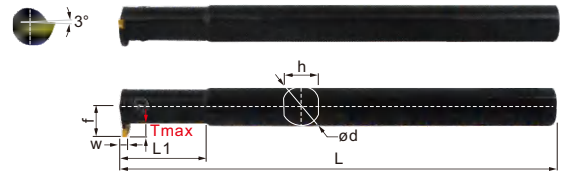
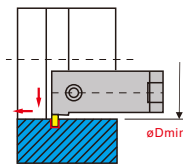
图示方向 (R) R-Type

外径切槽/切断加工
External Cut-Off/Grooving

刀片 (Inserts): B153 零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number		
	W	b	h	L	h1	f	Tmax				R	L			
QECD 1616R/L15	2	16	16	100	16	16.2	15	Z.CD..	M5X20	L4	●	●	252501		
	2	20	20	125	20	20.2	15		M6X20	L5	●	●	252503		
QEED 1616R/L10	2.5	16	16	125	16	16.3	10	Z.ED..	M5X16	L4	●	●	252500		
	2.5	16	16	125	16	16.3	17		M5X20	L4	●	●	252502		
2020R/L10	2.5	20	20	125	20	20.3	10		●	●	●	●	252504		
2020R/L17	2.5	20	20	125	20	20.3	17		●	●	●	●	252506		
2525R/L10	2.5	25	25	150	25	25.3	10		●	●	●	●	252508		
2525R/L17	2.5	25	25	150	25	25.3	17		●	●	●	●	252510		
QEFD 1616R/L10	3	16	16	125	16	16.3	10	Z.FD..	M5X20	L4	●	●	252512		
	3	16	16	125	16	16.3	17		●	●	●	●	252514		
2020R/L10	3	20	20	125	20	20.3	10		●	●	●	●	252516		
2020R/L17	3	20	20	125	20	20.3	17		●	●	●	●	252518		
2525R/L10	3	25	25	150	25	25.3	10		●	●	●	●	252520		
2525R/L17	3	25	25	150	25	25.3	17		●	●	●	●	252522		
QEGD 2020R/L13	4	20	20	125	20	20.5	13	Z.GD..	M6X25	L5	●	●	252524		
	4	20	20	125	20	20.5	22				●	●	●	●	252526
2525R/L13	4	25	25	150	25	25.5	13				●	●	●	●	252528
2525R/L22	4	25	25	150	25	25.5	22				●	●	●	●	252530
3232R/L13	4	32	32	170	32	32.5	13				●	●	●	●	252532
3232R/L22	4	32	32	170	32	32.5	22				●	●	●	●	252534
QEHD 2525R/L13	5	25	25	150	25	25.5	13	Z.HD..	M6X25	L5	●	●	252536		
	5	25	25	150	25	25.5	22				●	●	●	●	252538
3232R/L13	5	32	32	170	32	32.5	13				●	●	●	●	252540
3232R/L22	5	32	32	170	32	32.5	22				●	●	●	●	252542
3232R/L22	5	32	32	170	32	32.5	22				●	●	●	●	252544
QEKD 2525R/L13	6	25	25	150	25	25.6	13	Z.KD..	M6X25	L5	●	●	252546		
	6	25	25	150	25	25.6	22				●	●	●	●	252548
3232R/L13	6	32	32	170	32	32.6	13				●	●	●	●	252550
3232R/L22	6	32	32	170	32	32.6	22				●	●	●	●	252552
3232R/L22	6	32	32	170	32	32.6	22				●	●	●	●	252554

Q..DR



图示方向 (R) R-Type

内孔切槽加工
Internal Grooving Processing

刀片 (Inserts): B153 零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	ød	L	f	W	Tmax	L1	øDmin				R	L	
C20Q-QEDR/L05-27	20	180	15.2	2.5	5	40	27	ZTED025..	M4X12	L3	●	●	257100
C25R-QEDR/L07-33	25	200	20.3	2.5	7	45	33	ZRED025..	M5X16	L4	●	●	257102
C32S-QEDR/L09-42	32	250	25.3	2.5	9	58	42		M5X20	L4	●	●	257104
C20Q-QFDR/L05-27	20	180	15.2	3	5	40	27	ZTFD03..	M4X12	L3	●	●	257106
C25R-QFDR/L07-33	25	200	20.3	3	7	45	33	ZRFD03..	M5X16	L4	●	●	257108
C32S-QFDR/L09-42	32	250	25.3	3	9	58	42		M5X20	L4	●	●	257110
C25R-QGDR/L08-35	25	200	21.5	4	8	45	35	ZTGD04..	M5X16	L4	●	●	257112
C32S-QGDR/L11-44	32	250	27.5	4	11	58	44	ZRGD04..	M6X20	L5	●	●	257114
C40T-QGDR/L13-54	40	300	33.5	4	13	72	54		M6X20	L5	●	●	257116
C25R-QHDR/L08-35	25	200	21.5	5	8	45	35	ZTHD05..	M5X16	L4	●	●	257118
C32S-QHDR/L11-44	32	250	27.5	5	11	58	44	ZRHD05..	M6X20	L5	●	●	257120
C40T-QHDR/L13-54	40	300	33.5	5	13	72	54		M6X20	L5	●	●	257122
C25R-QKDR/L08-35	25	200	21.5	6	8	45	35	ZTKD06..	M5X16	L4	●	●	257124
C32S-QKDR/L11-44	32	250	27.5	6	11	58	44	ZRKD06..	M6X20	L5	●	●	257126
C40T-QKDR/L13-54	40	300	33.5	6	13	72	54		M6X20	L5	●	●	257128

车削刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

车削
刀柄

CSV
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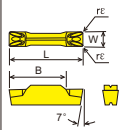

切
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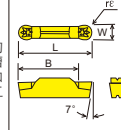

端
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槽

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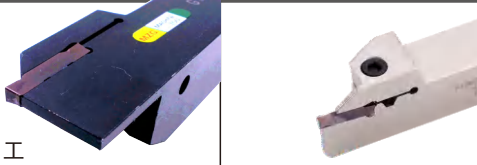
GY

切断加工
外圆内孔
端面切槽

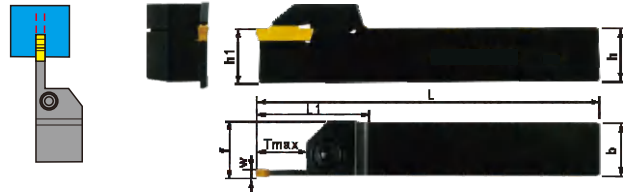
用途 Application	尺寸标示 Dimensioning	产品图片 Product Image	规格型号 Specification	尺寸 Dimension								切削形态: Cutting Environment																		
				W				L				● 稳定切削 Stable Cutting				● 一般切削 General Cutting				✘ 不稳定切削 Unstable Cutting										
				W	r _e	L	B	W	r _e	L	B	P	M	K	N	S	H	P	M	K	N	S	H							
 切槽/切断加工 Cut-off/Grooving		GY2M 0200D020N-MM 0250E020N-MM 0300F020N-MM 0300F040N-MM 0300F080N-MM 0400G020N-MM 0400G040N-MM 0400G080N-MM 0500H040N-MM 0500H080N-MM 0600J040N-MM 0600J080N-MM 0800K080N-MM 0800K120N-MM	2.0	0.2	20.7	19.1																								
			2.5	0.2	20.7	19.1																								
			3.0	0.2	20.7	19.1																								
			3.0	0.4	20.7	18.9																								
			3.0	0.8	20.7	18.5																								
			4.0	0.2	25.6	24.1																								
			4.0	0.4	25.6	23.9																								
			4.0	0.8	25.6	23.5																								
			5.0	0.4	25.6	23.9																								
			5.0	0.8	25.6	23.5																								
			6.0	0.4	25.6	23.9																								
			6.0	0.8	25.6	23.5																								
			8.0	0.8	30.5	28.5																								
8.0	1.2	30.5	28.1																											

用途 Application	尺寸标示 Dimensioning	产品图片 Product Image	规格型号 Specification	尺寸 Dimension								切削形态: Cutting Environment																	
				W				L				● 稳定切削 Stable Cutting				● 一般切削 General Cutting				✘ 不稳定切削 Unstable Cutting									
				W	r _e	L	B	W	r _e	L	B	P	M	K	N	S	H	P	M	K	N	S	H						
 切槽/切断加工 Internal Cut-off/Grooving		GY2M 0200D100N-BM 0250E125N-BM 0300F150N-BM 0318F150N-BM 0400G200N-BM 0475H238N-BM 0500H250N-BM 0600J300N-BM 0635J318N-BM 0800K400N-BM	2.0	1.0	20.9	19.5																							
			2.5	1.25	20.9	19.3																							
			3.0	1.5	20.9	19.0																							
			3.18	1.59	20.9	18.9																							
			4.0	2.0	25.8	23.4																							
			4.75	2.38	25.8	22.9																							
			5.0	2.5	25.8	22.8																							
			6.0	3.0	25.9	22.5																							
			6.35	3.18	25.9	22.3																							
			8.0	4.0	30.8	26.5																							

DGHR
GYHR



外径切槽/切断加工
External Cut-Off / Grooving



刀片 (Inserts): B155 零配件 (Toolholder Parts): P03-P05

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	W	b	h	L	h1	f	Tmax				R	L	
DGHR/L 1616K2 2020K2 2525M2	2	16	16	125	16	16.2	16	DGM20CE	M5×20	L4	●	●	252300
	2	20	20	125	20	20.2	20				●	●	252302
	2	25	25	150	25	25.2	20				●	●	252304
DGHR/L 1616K3 2020K3 2525M3 3232P3	3	16	16	125	16	16.2	16	DGM30CE DGJ30CE	M5×20	L4	●	●	252306
	3	20	20	125	20	20.2	20				●	●	252308
	3	25	25	150	25	25.2	20				●	●	252310
DGHR/L 2020K4 2525M4 3232P4	4	20	20	125	20	20.2	20	DGJ40CE	M6×20	L5	●	●	252312
	4	25	25	150	25	25.2	20				●	●	252314
	4	32	32	170	32	32	20				●	●	252316
DGHR/L 2525M5 3232P5	5	25	25	150	25	25.2	20	DGJ50CE	M6×20	L5	●	●	252318
	5	32	32	170	32	32	20				●	●	252320
	6	25	25	150	25	25.2	20				●	●	252322
DGHR/L 2525M6 3232P6	6	25	25	150	25	25.2	20	DGJ60CE	M6×20	L5	○	○	252324
	6	32	32	170	32	32	20				○	○	252326

GY2M Series Cutting Cut-Off/Grooving Toolholder

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	W	b	h	L	h1	f	Tmax				R	L	
GYHR/L 1616H2 2020K2 2525M2	2	16	16	100	16	16	18	GY2M0200	M5×20	L4	○	○	252400
	2	20	20	125	20	20	20				○	○	252402
	2	25	25	150	25	25	20				○	○	252404
GYHR/L 1616H3 2020K3 2525M3 3232P3	3	16	16	100	16	16	18	GY2M0300 GY2M0318	M5×20	L4	○	○	252406
	3	20	20	125	20	20	20				○	○	252408
	3	25	25	150	25	25	20				○	○	252410
	3	32	32	170	32	32	20				○	○	252412
GYHR/L 1616H4 2020K4 2525M4 3232P4	4	16	16	100	16	16	12	GY2M0400	M6×20	L5	○	○	252414
	4	20	20	125	20	20	25				○	○	252416
	4	25	25	150	25	25	25				○	○	252418
	4	32	32	170	32	32	25				○	○	252420
GYHR/L 2525M5 3232P5	5	25	25	150	25	25	25	GY2M0500	M6×20	L5	○	○	252422
	5	32	32	170	32	32	25				○	○	252424

切槽/切断加工

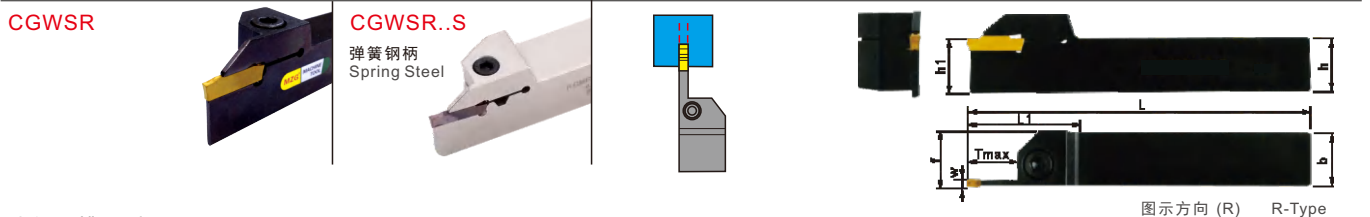
外圆/内孔切槽车刀

External / Internal Grooving turning tool

WGE 切槽加工
外圆内孔
端面切槽

切削形态: Cutting Environment		● 稳定切削 Stable Cutting	● 一般切削 General Cutting	✘ 不稳定切削 Unstable Cutting	切削形态: Cutting Environment		● 稳定切削 Stable Cutting	● 一般切削 General Cutting	✘ 不稳定切削 Unstable Cutting
P	钢 Steel	●	●	✘	P	钢 Steel	●	●	✘
M	不锈钢 Stainless Steel	●	●	✘	M	不锈钢 Stainless Steel	●	●	✘
K	铸铁 Iron	●	●	✘	K	铸铁 Iron	●	●	✘
N	铝/铜/镁/锌/塑料/木材 Aluminum/Copper/Magnesium/Zinc/Plastic/Wood	●	●	✘	N	铝/铜/镁/锌/塑料/木材 Aluminum/Copper/Magnesium/Zinc/Plastic/Wood	●	●	✘
S	硬质合金/粉末冶金 Carbide/Powder Metallurgy	●	●	✘	S	硬质合金/粉末冶金 Carbide/Powder Metallurgy	●	●	✘
H	钛/高温合金/碳纤维 Titanium/Superalloy/Carbon Fiber	●	●	✘	H	钛/高温合金/碳纤维 Titanium/Superalloy/Carbon Fiber	●	●	✘

用途 Application	尺寸标示 Dimensioning	产品图片 Product Image	规格型号 Specification	尺寸 Dimension							P03	CM1	CN5	NG6	ZK1	ZC250	ZP152	ZP153
				W	r℄	L	B	H	θ									
切槽/切槽加工 Grooving			WGE 20	2.0	0.2	20	-	4.7	-	●	●	●	●	●	●	●	●	●
			30	3.0	0.2	20	-	5.5	-	●	●	●	●	●	●	●	●	●
			40	4.0	0.2	25	-	5.7	-	●	●	●	●	●	●	●	●	●
			50	5.0	0.2	25	-	5.9	-	●	●	●	●	●	●	●	●	●
切槽加工 Grooving			WGR 30	3.0	1.5	20	-	5.5	-	●	●	●	●	●	●	●	●	
			40	4.0	2.0	25	-	5.7	-	●	●	●	●	●	●	●	●	
			40L	4.0	0.2	25	-	5.7	-	●	●	●	●	●	●	●	●	
			50	5.0	0.2	25	-	5.9	-	●	●	●	●	●	●	●	●	



外径切槽/切断加工
External Cut-Off/Grooving

刀片 (Inserts): B156 零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	W	b	h	L	h1	f	Tmax				R	L	
CGWSR/L 1616-W20-L	2	16	16	100	16	16.4	15	WGE20	M5×20	L4	●	●	253100
2020-W20-L	2	20	20	125	20	20.4	15	WGE20R/L	M6×20	L5	●	●	253102
2525-W20-L	2	25	25	150	25	25.4	15				●	●	253104
CGWSR/L 1616-W30-L	3	16	16	100	16	16.4	16.5	WGE30	M5×20	L4	●	●	253106
2020-W30-L	3	20	20	125	20	20.4	16.5	WGE30R/L	M6×20	L5	●	●	253108
2525-W30-L	3	25	25	150	25	25.4	16.5	WGT30			●	●	253110
								WGR30			●	●	253110
CGWSR/L 2020-W40-L	4	20	20	125	20	20.4	21	WGE40, WGE40R/L	M6×20	L5	●	●	253112
2525-W40-L	4	25	25	150	25	25.4	21	WGT40, WGR40			●	●	253114
CGWSR/L 2020-W50-L	5	20	20	125	20	20.4	21	WGE50, WGE50R/L	M6×20	L5	●	●	253116
2525-W50-L	5	25	25	150	25	25.4	21	WGT50, WGR50			●	●	253118

弹簧钢防震刀杆 (防震效果>4倍柄径)

Spring Steel Shock-Proof Toolholder (Shock-Proof Effect > 4 Times Toolholder Diameter)

B-CGWSR/L 1616-W20	2	16	16	100	16	16.4	15	WGE20 WGE20R/L	M5×20	L4	●	●	253120
2020-W20	2	20	20	125	20	20.4	15		M6×20	L5	●	●	253122
2525-W20	2	25	25	150	25	25.4	15					●	●
B-CGWSR/L 1616-W30	3	16	16	100	16	16.4	16.5	WGE30 WGE30R/L WGT30 WGR30	M5×20	L4	●	●	253126
2020-W30	3	20	20	125	20	20.4	16.5		M6×20	L5	●	●	253128
2525-W30	3	25	25	150	25	25.4	16.5					●	●
B-CGWSR/L 2020-W40	4	20	20	125	20	20.4	21	WGE40, WGE40R/L WGT40, WGR40	M6×20	L5	●	●	253132
2525-W40	4	25	25	150	25	25.4	21				●	●	253134
B-CGWSR/L 2020-W50	5	20	20	125	20	20.4	21	WGE50, WGE50R/L WGT50, WGR50	M6×20	L5	●	●	253136
2525-W50	5	25	25	150	25	25.4	21				●	●	253138

车削刀柄

CSV 凸轮车床刀具

DS 刀柄

正面排刀

Y轴刀柄

前车削

后车削

小径切槽切断螺纹

小孔加工

滚花车花

焊接车刀夹头

外圆车削

内孔车削

螺纹车削

切槽切断

端面切槽

阻尼模组

切断加工 N123 外圆切槽 内孔切槽

车削刀柄

CSV 凸轮车床刀具

DS 刀柄

正面排刀

Y轴刀柄

前车削

后车削

小径切槽
切断
螺纹

小孔加工

滚花
车花

焊接车刀
夹头

外圆车削

内孔车削

螺纹车削

切槽
切断

端面切槽

阻尼模组

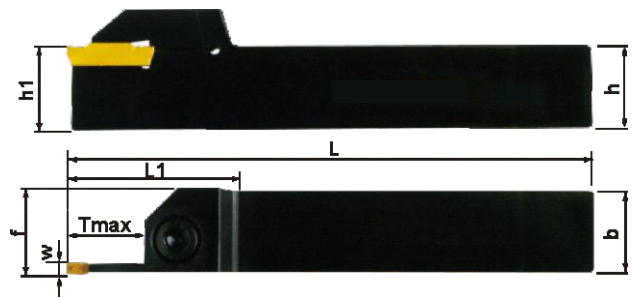
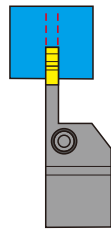
应用		尺寸标示	产品图片	规格型号	尺寸 Dimension							应用								
用途	Dimensioning	Product Image	Specification	W	r _c	L	B	H	φ	PCD	CBN-K	CBN-S	ZN60	ZK01	ZC201	ZN123	ZP123	ZP133		
切槽加工 Cut-off Grooving			N123 D2-0150-0002-CM	1.5	0.2	12.9	-	-	-	-	-	•	•	•	•	•	•	•	•	
			E2-0200-0002-CM	2.0	0.2	19.0	-	-	-	-	-	•	•	•	•	•	•	•	•	
			F2-0250-0002-CM	2.5	0.2	18.9	-	-	-	-	-	•	•	•	•	•	•	•	•	
			G2-0300-0002-CM	3.0	0.2	18.9	-	-	-	-	-	•	•	•	•	•	•	•	•	
			H2-0400-0002-CM	4.0	0.2	24.1	-	-	-	-	-	•	•	•	•	•	•	•	•	•
			J2-0500-0002-CM	5.0	0.2	24.1	-	-	-	-	-	•	•	•	•	•	•	•	•	•
切槽加工 Cut-off Grooving			N123 G2-0300-0004-TM	3.0	0.4	18.4	-	-	-	-	-	•	•	•	•	•	•	•	•	
			H2-0400-0004-TM	4.0	0.4	23.4	-	-	-	-	-	•	•	•	•	•	•	•	•	
			H2-0400-0008-TM	4.0	0.8	23.4	-	-	-	-	-	•	•	•	•	•	•	•	•	
			J2-0500-0004-TM	5.0	0.4	23.4	-	-	-	-	-	•	•	•	•	•	•	•	•	
			J2-0500-0008-TM	5.0	0.8	23.0	-	-	-	-	-	•	•	•	•	•	•	•	•	
			K2-0600-0004-TM	6.0	0.4	23.4	-	-	-	-	-	•	•	•	•	•	•	•	•	
			K2-0600-0008-TM	6.0	0.8	23.0	-	-	-	-	-	•	•	•	•	•	•	•	•	
			L2-0800-0008-TM	8.0	0.8	28.0	-	-	-	-	-	•	•	•	•	•	•	•	•	
			L2-0800-0012-TM	8.0	1.2	27.6	-	-	-	-	-	•	•	•	•	•	•	•	•	

应用		尺寸标示	产品图片	规格型号	尺寸 Dimension							应用								
用途	Dimensioning	Product Image	Specification	W	r _c	L	B	H	φ	PCD	CBN-K	CBN-S	ZN60	ZK01	ZC201	ZN123	ZP123	ZP133		
切槽加工 Grooving			N123 F2-0300-RM	3.00	1.50	18.6	1.3	-	-	-	-	•	•	•	•	•	•	•	•	
			F2-0318-RM	3.18	1.59	18.6	1.4	-	-	-	-	-	•	•	•	•	•	•	•	
			G2-0400-RM	4.00	2.00	18.1	1.8	-	-	-	-	-	•	•	•	•	•	•	•	•
			H2-0400-RM	4.00	2.00	23.1	1.8	-	-	-	-	-	•	•	•	•	•	•	•	•
			H2-0475-RM	4.75	2.38	22.9	2.2	-	-	-	-	-	•	•	•	•	•	•	•	•
			H2-0500-RM	5.00	2.50	22.7	2.3	-	-	-	-	-	•	•	•	•	•	•	•	•
			J2-0600-RM	6.00	3.00	22.2	2.8	-	-	-	-	-	•	•	•	•	•	•	•	•
			J2-0635-RM	6.35	3.18	22.0	3.0	-	-	-	-	-	•	•	•	•	•	•	•	•
			L2-0800-RM	8.00	4.00	27.0	3.8	-	-	-	-	-	•	•	•	•	•	•	•	•

RF123



外径切槽/切断加工
External Cut-Off/Grooving



刀片 (Inserts): B157 零配件 (Toolholder Parts): P03-P05

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	W	b	h	L	h1	f	Tmax				R	L	
R/L F123E 1010J-2T12 1212J-2T12 1616H-2T17 2020K-2T17 2525M-2T17	2	10	10	110	10	10	12	N123E2..	M4×16	T15	•	•	253610
	2	12	12	110	12	12	12				•	•	253612
	2	16	16	100	16	16	17		•	•	253614		
	2	20	20	125	20	20	17		•	•	253616		
	2	25	25	150	25	25	17		•	•	253618		
R/L F123F 1616H-2.5T18 2020K-2.5T18 2525M-2.5T18	2.5	16	16	100	16	16	18	N123F2..	M5×20	L4	•	•	253620
	2.5	20	20	125	20	20	18				•	•	253622
	2.5	25	25	150	25	25	18				•	•	253624
R/L F123G 1616H-3T20 2020K-3T20 2525M-3T20	3	16	16	100	16	16	20	N123G2..	M5×20	L4	•	•	253626
	3	20	20	125	20	20	20				•	•	253628
	3	25	25	150	25	25	20				•	•	253630
R/L F123H 1616H-4T25 2020K-4T25 2525M-4T25	4	16	16	100	16	16	25	N123H2..	M5×20	L4	•	•	253632
	4	20	20	125	20	20	25				•	•	253634
	4	25	25	150	25	25	25				•	•	253636
R/L F123J 2020K-5T25 2525M-5T25	5	20	20	125	20	20	25	N123J2..	M5×20	L4	•	•	253638
	5	25	25	150	25	25	25				•	•	253640

切槽/切断加工

外圆切槽/切断车刀 External Cut-off / Grooving turning tool

A4.

切断加工 外圆内孔 端面切槽

切削线速度 (Cutting Speed) : m/min

(mm)

加工材料	刀具材质	PCD	CBN-K	CBN-S	ZN60	ZN90	ZK01	ZC250	ZC251	ZC32S	ZP152	ZP153	ZP163	ZK50	ZK50S
材料特点		金刚石	铸铁专用	难切削材料	光洁度好	高速精加工	铜铝加工	CVD 钢件	CVD 钢件	钢件高速	不锈钢通用	不锈钢高速	高硬高速	CVD 铸铁	铸铁高速
P 低碳钢					150-600	150-800		70-500	150-500	150-600	70-250	100-250	80-300		
P 高碳钢					150-350	150-500		70-250	80-350	100-400	70-150	80-150	60-200		
P 淬硬钢 HRC46-58				10-30							20-60	20-60	20-80		
M 不锈钢					200-300	200-350					50-150	70-150	50-200		
K 灰口铸铁			300-1500		100-300	100-350								200-300	200-350
K 球墨铸铁/轧辊			400-800		100-200	100-250								150-200	150-250
N 铝/铜/镁/锌/塑料/木材		300-1200					300-1200								
N 铝合金 HB50-70		300-1500					300-1500								
N 淬硬铝合金 HB70-110		300-800					300-800								
N 铜/青铜/黄铜		300-1000					300-1000								
S 硬质合金/粉末冶金		10-30					10-30						20-50		
S 硅填充塑料/硬质纤维		400-600					400-600								
H 钛/高温合金/碳纤维		100-200					100-200				20-50	20-60	30-80		

切削形态: ● 稳定切削 ● 一般切削 ✖ 不稳定切削
Cutting Environment Stable Cutting General Cutting Unstable Cutting

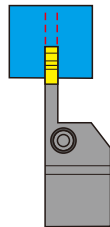
用途 Application	尺寸标示 Dimensioning	产品图片 Product Image	规格型号 Specification	尺寸 Dimension			切削形态										
				W	ℓ	L	PCD	CBN-K	CBN-S	ZN60	ZN90	ZK01	ZC250	ZC251	ZP152	ZP153	
切断/切槽加工 Cut-off/Grooving			A4G 0205M02U02GMN	2.05	0.2	20	●	●	●	●	●	●	●	●	●	●	
			A4G 0255M2BU02GMN	2.62	0.2	20	●	●	●	●	●	●	●	●	●	●	●
			A4G 0305M03U02GMN	3.05	0.2	20	●	●	●	●	●	●	●	●	●	●	●
			A4G 0305M03U04GMN	3.05	0.4	20	●	●	●	●	●	●	●	●	●	●	●
			A4G 0405M04U04GMN	4.05	0.4	20	●	●	●	●	●	●	●	●	●	●	●
			A4G 0405M04U08GMN	4.05	0.8	20	●	●	●	●	●	●	●	●	●	●	●
			A4G 0505M05U04GMN	5.05	0.4	25	●	●	●	●	●	●	●	●	●	●	●
			A4G 0505M05U08GMN	5.05	0.8	25	●	●	●	●	●	●	●	●	●	●	●
			A4G 0605M06U04GMN	6.05	0.4	30	●	●	●	●	●	●	●	●	●	●	●
			A4G 0605M06U08GMN	6.05	0.8	30	●	●	●	●	●	●	●	●	●	●	●
			A4G 0605M08U12GMN	6.05	1.2	30	●	●	●	●	●	●	●	●	●	●	●
			A4G 0805M08U08GMN	8.05	0.8	30	●	●	●	●	●	●	●	●	●	●	●
			A4G 0805M08U12GMN	8.05	1.2	30	●	●	●	●	●	●	●	●	●	●	●
A4G 1005M10U08GMN	10.0	0.5	30	●	●	●	●	●	●	●	●	●	●	●			
A4G 1005M10U12GMN	10.0	1.2	30	●	●	●	●	●	●	●	●	●	●	●			

切削形态: ● 稳定切削 ● 一般切削 ✖ 不稳定切削
Cutting Environment Stable Cutting General Cutting Unstable Cutting

用途 Application	尺寸标示 Dimensioning	产品图片 Product Image	规格型号 Specification	尺寸 Dimension			切削形态										
				W	ℓ	L	PCD	CBN-K	CBN-S	ZN60	ZN90	ZK01	ZC250	ZC251	ZP152	ZP153	
切槽加工 Grooving			A4R 0205M02U00GMN	2.05	1.1	20	●	●	●	●	●	●	●	●	●	●	
			A4R 0305M03U00GMN	3.05	1.5	20	●	●	●	●	●	●	●	●	●	●	●
			A4R 0405M04U00GMN	4.05	2.0	20	●	●	●	●	●	●	●	●	●	●	●
			A4R 0505M05U00GMN	5.05	2.5	25	●	●	●	●	●	●	●	●	●	●	●
			A4R 0605M06U00GMN	6.05	3.0	30	●	●	●	●	●	●	●	●	●	●	●
			A4R 0805M08U00GMN	8.05	4.0	30	●	●	●	●	●	●	●	●	●	●	●
			A4R 1005M10U00GMN	10.0	5.0	30	●	●	●	●	●	●	●	●	●	●	●

A4SMR

外径切槽/切断加工
External Cut-Off/Grooving



刀片 (Inserts): B158 零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	W	b	h	L	h1	f	Tmax				R	L	
A4SM R/L 2020K0317	3	20	20	125	20	20.3	17	A4G0300M3.. A4G0305M3..	M5×20	L4	●	●	253630
2525K0317	3	25	25	150	25	25.3	17				●	●	253632
3232P0317	3	32	32	170	32	32.3	17				●	●	253634
A4SM R/L 2020K0417	4	20	20	125	20	20.3	17	A4G0400M4.. A4G0405M4..	M5×20	L4	●	●	253636
2525K0417	4	25	25	150	25	25.3	17				●	●	253638
3232P0417	4	32	32	170	32	32.3	17				●	●	253640
A4SM R/L 2020K0520	5	20	20	125	20	20.3	20	A4G0500M5.. A4G0505M5..	M5×20	L4	●	●	253642
2525K0520	5	25	25	150	25	25.3	20				●	●	253644
3232P0520	5	32	32	170	32	32.3	20				●	●	253646
A4SM R/L 2525M0626	6	25	25	150	25	25.3	26	A4G0600M5.. A4G0605M5..	M5×20	L4	●	●	253647
3232P0626	6	32	32	170	32	32.3	26				●	●	253648

车削
车刀

CSV
凸床
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

DG

切断加工
外圆内孔
端面切槽

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

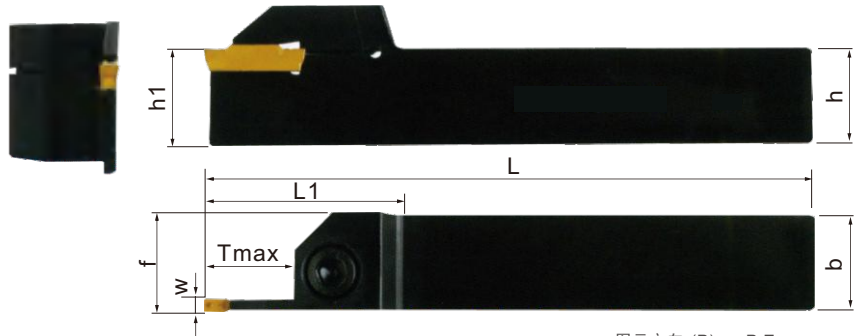
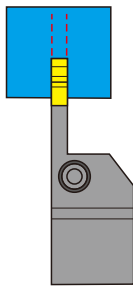
Application 用途	尺寸标示 Dimensioning	产品图片 Product Image	规格型号 Specification	尺寸 Dimension								应用 Application											
				W	rε	L	B	H	φ	PCD	CBN-K		CBN-S	MG6	ZK60	ZK61	ZC200	ZC201	ZC202	ZC203	ZP15	ZP16	ZP17
P 钢 Steel				2.0	0.2	19.9	-	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●
M 不锈钢 Stainless Steel				2.5	0.2	20.7	-	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●
K 铸铁 Iron				3.1	0.2	20.1	-	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●
N 铝/铜/镁/锌/塑料/木材 Aluminum/Copper/Magnesium/Zinc/Plastic/Wood				4.0	0.3	18.8	-	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●
S 硬质合金/粉末冶金 Carbide/Powder Metallurgy				5.0	0.3	19.1	-	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●
H 钛/高温合金/碳纤维 Titanium/Superalloy/Carbon Fiber												●	●	●	●	●	●	●	●	●	●	●	●

Application 用途	尺寸标示 Dimensioning	产品图片 Product Image	规格型号 Specification	尺寸 Dimension								应用 Application											
				W	rε	L	B	H	φ	PCD	CBN-K		CBN-S	MG6	ZK60	ZK61	ZC200	ZC201	ZC202	ZC203	ZP15	ZP16	ZP17
P 钢 Steel				2.0	0.2	19.9	-	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●
M 不锈钢 Stainless Steel				3.1	0.2	20.1	-	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●
K 铸铁 Iron				4.0	0.3	18.8	-	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●
N 铝/铜/镁/锌/塑料/木材 Aluminum/Copper/Magnesium/Zinc/Plastic/Wood				5.0	0.3	19.1	-	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●
S 硬质合金/粉末冶金 Carbide/Powder Metallurgy												●	●	●	●	●	●	●	●	●	●	●	●
H 钛/高温合金/碳纤维 Titanium/Superalloy/Carbon Fiber												●	●	●	●	●	●	●	●	●	●	●	●

DGTR



外径切槽/切断加工
External Cut-Off/Grooving



图示方向 (R) R-Type

刀片 (Inserts): B159 零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	W	b	h	L	h1	f	Tmax				R	L	
DGTR/L 10B-2D30	2	10	10	125	10	10	30	DGN2..	M5X16	L4	●	○	253300
12B-2D30	2	12	12	125	12	12	30	DGN2..			●	○	253302
16B-2D32	2	16	16	125	16	16	32	DGN2..			●	○	253304
16B-3D35	3	16	16	125	16	16	35	DGN3..			●	○	253306
20B-2D35	2	20	20	125	20	20	35	DGN2..	M5X20	L4	●	○	253308
20B-3D40	3	20	20	125	20	20	40	DGN3..			●	○	253310
25B-2D35	2	25	25	150	25	25	35	DGN2..	M5X20	L4	●	○	253312
25B-3D40	3	25	25	150	25	25	40	DGN3..			●	○	253314

切槽/切断加工

外圆切槽/切断车刀 External Cut-off / Grooving turning tool



切削形态: Cutting Environment		● 稳定切削 Stable Cutting	● 一般切削 General Cutting	✖ 不稳定切削 Unstable Cutting																	
P	钢 Steel	●	●	✖	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
M	不锈钢 Stainless Steel	●	●	✖	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
K	铸铁 Iron	●	●	✖	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
N	铝/铜/镁/锌/塑料/木材 Aluminum/Copper/Magnesium/Zinc/Plastic/Wood	●	●	✖	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
S	硬质合金/粉末冶金 Carbide/Powder Metallurgy	●	●	✖	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
H	钛/高温合金/碳纤维 Titanium/Superalloy/Carbon Fiber	●	●	✖	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

用途 Application	尺寸标示 Dimensioning	产品图片 Product Image	规格型号 Specification	尺寸 Dimension																							
				W	r _e	L	B	H	φ	RCD	GMK	GMJ	GMK	GMJ	GMK	GMJ	GMK	GMJ	GMK	GMJ	GMK	GMJ	GMK	GMJ			
切槽/切槽加工 Out-off/Grooving			GCMN3004-MG	3.0	0.4	21.1	-	3.8	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●			
			4008-MG	4.0	0.8	26.4	-	4.0	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
			5008-MG	5.0	0.8	26.4	-	4.1	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
			6008-MG	6.0	0.8	26.4	-	4.5	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
			7008-MG	7.0	0.8	28.7	-	5.5	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
			8008-MG	8.0	0.8	28.7	-	6.0	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

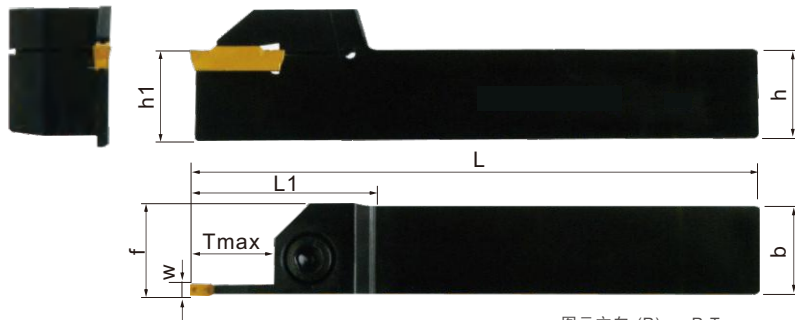
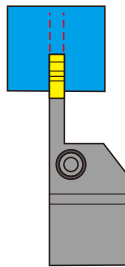
切削形态: Cutting Environment		● 稳定切削 Stable Cutting	● 一般切削 General Cutting	✖ 不稳定切削 Unstable Cutting																	
P	钢 Steel	●	●	✖	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
M	不锈钢 Stainless Steel	●	●	✖	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
K	铸铁 Iron	●	●	✖	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
N	铝/铜/镁/锌/塑料/木材 Aluminum/Copper/Magnesium/Zinc/Plastic/Wood	●	●	✖	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
S	硬质合金/粉末冶金 Carbide/Powder Metallurgy	●	●	✖	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
H	钛/高温合金/碳纤维 Titanium/Superalloy/Carbon Fiber	●	●	✖	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

用途 Application	尺寸标示 Dimensioning	产品图片 Product Image	规格型号 Specification	尺寸 Dimension																							
				W	r _e	L	B	H	φ	RCD	GMK	GMJ	GMK	GMJ	GMK	GMJ	GMK	GMJ	GMK	GMJ	GMK	GMJ					
切槽加工 Out-off/Grooving			GCMN 3015-RG	3.0	1.5	21.1	-	3.8	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●			
			4020-RG	4.0	2.0	26.4	-	4.0	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
			5025-RG	5.0	2.5	27.2	-	4.1	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
			6030-RG	6.0	3.0	27.5	-	4.5	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
			7035-RG	7.0	3.5	29.0	-	5.5	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
			8040-RG	8.0	4.0	29.0	-	6.0	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

GNDLR



外径切槽/切断加工
External Cut-Off / Grooving



图示方向 (R) R-Type

刀片 (Inserts): B160 零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	W	b	h	L	h1	f	Tmax				R	L	
GNDL R/L 2020K-216	2	20	20	125	20	20.3	16	GCMN2002-GG	M6×20	L5	●	●	253650
2525M-216	2	25	25	150	25	25.3	16				●	●	253652
3232P-216	2	32	32	170	32	32.3	16				●	●	253654
GNDL R/L 2020K-320	3	20	20	125	20	20.3	20	GCMN3002-GG	M6×20	L5	●	●	253656
2525M-320	3	25	25	150	25	25.3	20				●	●	253658
3232P-320	3	32	32	170	32	32.3	20				●	●	253660
GNDL R/L 2020K-425	4	20	20	125	20	20.3	25	GCMN4002-GG	M6×20	L5	●	●	253662
2525M-425	4	25	25	150	25	25.3	25				●	●	253664
3232P-425	4	32	32	170	32	32.3	25				●	●	253666

车削刀柄

CSV 凸轮车床刀具

DS 刀柄

正面排刀

Y轴刀柄

前车削

后车削

小径切槽切断螺纹

小孔加工

滚花车花

焊接车刀夹头

外圆车削

内孔车削

螺纹车削

切槽切断

端面切槽

阻尼模组

GBA 三角形 多功能 切槽刀片



GBA43R.. GBA43L.. GBA43R..R.. GBA43L..R.. (mm)

切削线速度 (Cutting Speed): m/min¹

加工材料	刀具材质	PCD	CBN-K	CBN-S	ZN60	ZK01	ZM826	ZP15	ZM856
材料特点	低碳钢	金刚石	铸铁专用	难切削材料	光洁度好	铜铝加工	黄色通用	紫色通用	不锈钢通用
P	高碳钢				150-600		60-250	70-250	100-250
	淬硬钢 HRC46-58				150-350		60-150	70-150	80-150
M	不锈钢			10-30			20-60	20-60	20-60
K	灰口铸铁		300-1500		200-300		50-150	50-150	70-150
	球墨铸铁/轧辊		400-800		100-300		130-210	150-200	150-300
N	钛/铜/铝/镁/锌/塑料/木材	300-1200				300-1200			
	铝合金 HB50-70	300-1500				300-1500			
	淬硬铝合金 HB70-110	300-800				300-800			
S	铜/青铜/黄铜	300-1000				300-1000			
H	硬质合金/粉末冶金	10-30				10-30			
	硅填充塑料/硬质纤维	400-600				400-600			
	钛/高温合金/碳纤维	100-200				100-200	20-50	20-50	20-60

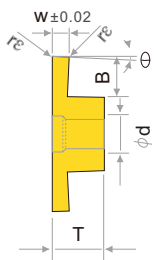
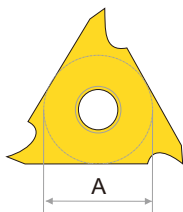


Fig.1

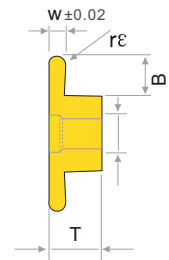


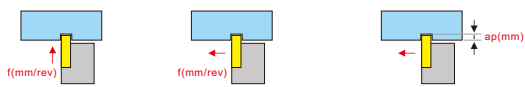
Fig.2 圆弧槽刀

切削形态:	● 稳定切削	● 一般切削	☉ 一般切削(第二推荐)	✖ 不稳定切削
Cutting Environment	Stable Cutting	General Cutting	General Cutting(Second recommend)	Unstable Cutting
P 钢	Steel			●●●●●●●●
M 不锈钢	Stainless Steel			●●●●●●●●
K 铸铁	Iron			●●●●●●●●
N 铝/铜/镁/锌/塑料/木材	Aluminum/Copper/Magnesium/Zinc/Plastic/Wood			●●●●●●●●
S 硬质合金/粉末冶金	Carbide/Powder Metallurgy			●●●●●●●●
H 钛/高温合金/碳纤维	Titanium/Superalloy/Carbon Fiber			●●●●●●●●

切削形态:	● 稳定切削	● 一般切削	☉ 一般切削(第二推荐)	✖ 不稳定切削
Cutting Environment	Stable Cutting	General Cutting	General Cutting(Second recommend)	Unstable Cutting
P 钢	Steel			●●●●●●●●
M 不锈钢	Stainless Steel			●●●●●●●●
K 铸铁	Iron			●●●●●●●●
N 铝/铜/镁/锌/塑料/木材	Aluminum/Copper/Magnesium/Zinc/Plastic/Wood			●●●●●●●●
S 硬质合金/粉末冶金	Carbide/Powder Metallurgy			●●●●●●●●
H 钛/高温合金/碳纤维	Titanium/Superalloy/Carbon Fiber			●●●●●●●●

用途 Application	规格型号 Specification	尺寸 Dimension						刀具 角度	刀具 材料	
		W±0.02	B	rE	A	T	φd			
小径切槽 小孔加工 滚花车花 焊接车刀 车刀夹头	GBA43%L 100-010	1.00	2.0	0.1	12.7	4.76	5.5	Fig.1	2°	●●●●●●●●
		1.20								●●●●●●●●
	125-010	1.25	●●●●●●●●							
	125-020	1.25	●●●●●●●●							
	140-020	1.40	●●●●●●●●							
	145-020	1.45	●●●●●●●●							
	150-010	1.50	3.5	0.1	12.7	4.76	5.5	Fig.1	2°	●●●●●●●●
	150-020	1.50	3.5	0.2						●●●●●●●●
	170-020	1.70	3.5	0.2	12.7	4.76	5.5	Fig.1	2°	●●●●●●●●
	175-020	1.75								●●●●●●●●
	180-020	1.80	●●●●●●●●							
	185-020	1.85	●●●●●●●●							
	190-020	1.90	●●●●●●●●							
	195-020	1.95	●●●●●●●●							
	200-010	2.00	3.5	0.1	12.7	4.76	5.5	Fig.1	2°	●●●●●●●●
	200-020	2.00	3.5	0.2						●●●●●●●●
220-020	2.20	3.5	0.2	12.7	4.76	5.5	Fig.1	2°	●●●●●●●●	
225-020	2.25								●●●●●●●●	
230-020	2.30	●●●●●●●●								
250-010	2.50	5.0	0.1	12.7	4.76	5.5	Fig.1	2°	●●●●●●●●	
250-030	2.50	5.0	0.3						●●●●●●●●	
260-030	2.60	5.0	0.3	●●●●●●●●						
265-030	2.65	5.0	0.3	12.7	4.76	5.5	Fig.1	2°	●●●●●●●●	
270-030	2.70								●●●●●●●●	
280-030	2.80	●●●●●●●●								
290-030	2.90	●●●●●●●●								
300-010	3.00	5.0	0.1	12.7	4.76	5.5	Fig.1	2°	●●●●●●●●	
300-030	3.00	5.0	0.3						●●●●●●●●	
310-030	3.10	5.0	0.3	12.7	4.76	5.5	Fig.1	2°	●●●●●●●●	
320-030	3.20								●●●●●●●●	
325-030	3.25	●●●●●●●●								
330-030	3.30	●●●●●●●●								
340-030	3.40	●●●●●●●●								
350-010	3.50	5.0	0.1	12.7	4.76	5.5	Fig.1	2°	●●●●●●●●	
350-030	3.50	5.0	0.3						●●●●●●●●	
360-030	3.60	5.0	0.3	12.7	4.76	5.5	Fig.1	2°	●●●●●●●●	
370-030	3.70								●●●●●●●●	
380-030	3.80	●●●●●●●●								
390-030	3.90	●●●●●●●●								
400-010	4.00	5.0	0.1	12.7	4.76	5.5	Fig.1	2°	●●●●●●●●	
400-040	4.00	5.0	0.4						●●●●●●●●	
410-040	4.10	5.0	0.4	12.7	4.76	5.5	Fig.1	2°	●●●●●●●●	
420-040	4.20								●●●●●●●●	
430-040	4.30	●●●●●●●●								
440-040	4.40	●●●●●●●●								
450-010	4.50	5.0	0.1	12.7	4.76	5.5	Fig.1	2°	●●●●●●●●	
450-040	4.50	5.0	0.4						●●●●●●●●	
460-040	4.60	5.0	0.4	12.7	4.76	5.5	Fig.1	2°	●●●●●●●●	
470-040	4.70								●●●●●●●●	
480-040	4.80	●●●●●●●●								
490-040	4.90	●●●●●●●●								
500-010	5.00	5.0	0.1	12.7	5.00	5.5	Fig.1	2°	●●●●●●●●	
500-040	5.00	5.0	0.4						●●●●●●●●	
510-040	5.10	5.0	0.4	12.7	5.10	5.5	Fig.1	2°	●●●●●●●●	

用途 Application	规格型号 Specification	尺寸 Dimension						刀具 角度	刀具 材料			
		W±0.02	B	rE	A	T	φd					
切槽加工 Grooving	GBA43%L 100-R050	1.00	2.0	0.50	12.7	4.76	5.5	Fig.2	2°	●●●●●●●●		
		150-R075								1.50	0.75	●●●●●●●●
		200-R100								2.00	1.00	●●●●●●●●
		250-R125								2.50	1.25	●●●●●●●●
		300-R150								3.00	1.50	●●●●●●●●
		350-R175								3.50	1.75	●●●●●●●●
		400-R200								4.00	2.00	●●●●●●●●



代号说明: Code Description T.1 切槽加工时的进给 Feed of Grooving T.2 横向切槽加工时的进给 Feed of Transverse Grooving T.3 横向切槽加工时的切深 Depth of Transverse Grooving

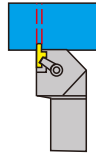
用途 Application	被加工材料 Processed Material	切削参数 Cutting Parameter														
		GBA43%L 100-150			GBA43%L 150-200			GBA43%L 210-300			GBA43%L 310-400			GBA43%L 410-510		
		T.1	T.2	T.3	T.1	T.2	T.3	T.1	T.2	T.3	T.1	T.2	T.3	T.1	T.2	T.3
P	钢 Steel	0.03	-	-	0.04	0.04	0.02	0.05	0.05	0.02	0.05	0.05	0.02	0.05	0.05	0.02
		0.08	-	-	0.09	0.09	0.3	0.1	0.1	0.5	0.12	0.1	0.5	0.12	0.1	0.8
M	不锈钢 Stainless Steel	0.03	-	-	0.04	0.04	0.02	0.05	0.05	0.02	0.05	0.05	0.02	0.05	0.05	0.02
		0.07	-	-	0.08	0.08	0.3	0.09	0.09	0.5	0.1	0.1	0.5	0.1	0.1	0.8
K	铸铁 Iron	0.03	-	-	0.04	0.04	0.02	0.05	0.05	0.02	0.05	0.05	0.02	0.05	0.05	0.02
		0.08	-	-	0.08	0.08	0.3	0.1	0.1	0.5	0.1	0.1	0.5	0.1	0.1	0.8
N	铝/铜/镁/锌/塑料/木材 Aluminum/Copper/Magnesium/Zinc/Plastic/Wood	0.05	-	-	0.05	0.05	0.02	0.05	0.05	0.02	0.08	0.08	0.02	0.08	0.08	0.02
		0.12	-	-	0.15	0.15	0.5	0.15	0.15	0.8	0.15	0.15	0.8	0.15	0.15	0.8
S	硬质合金/粉末冶金 Carbide/Powder Metallurgy	0.01	-	-	0.02	-	-	0.03	0.01	0.01	0.03	0.03	0.01	0.03	0.03	0.01
		0.03	-	-	0.07	0.04	0.1	0.08	0.08	0.1	0.08	0.08	0.1	0.08	0.08	0.1
H	钛/高温合金/碳纤维 Titanium/Superalloy/Carbon Fiber	0.01	-	-	0.02	-	-	0.03	0.01	0.01	0.03	0.03	0.01	0.03	0.03	0.01
		0.03	-	-	0.07	0.04	0.1	0.08	0.08	0.1	0.08	0.08	0.1	0.08	0.08	0.1

切槽/切断加工

外圆切槽/切断车刀

External Cut-off / Grooving turning tool

CGBR

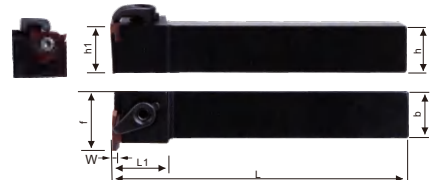
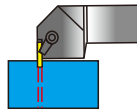


外径切槽加工
External Grooving

刀片 (Inserts): B161 零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	压板 Clamp	螺丝 Screw	扳手 Wrench	Stock		Order Number
	W	b	h	L	L1	h1	f					R	L	
CGBR/L 1616H32	0.5-2.5	16	16	100	22	16	20	GBA32R/L	HL1808	M3.5×10 M5×20	T15 L2.5	●	●	254600
2020K32	0.5-2.5	20	20	125	26	20	25					●	●	254602
2525M32	0.5-2.5	25	25	150	26	25	32					●	●	254604
CGBR/L 2020K43	1.25-4.5	20	20	125	26	20	25	GBA43R/L125-450 GBA43R/L125-185 GBA43R/L200-280 GBA43R/L300-450	HL1808	M5×12 M5×20	T20 L2.5	●	●	254606
2020K43-1	1.25-1.85	20	20	125	26	20	25					○	○	254608
2020K43-2	2.0-2.8	20	20	125	26	20	25					○	○	254610
2020K43-3	3.0-4.5	20	20	125	26	20	25					○	○	254612
CGBR/L 2525M43	1.25-4.5	25	25	150	26	25	32	GBA43R/L125-450 GBA43R/L125-185 GBA43R/L200-280 GBA43R/L300-450	HL1808	M5×12 M5×20	T20 L2.5	●	●	254614
2525M43-1	1.25-1.85	25	25	150	26	25	32					○	○	254616
2525M43-2	2.0-2.8	25	25	150	26	25	32					○	○	254618
2525M43-3	3.0-4.5	25	25	150	26	25	32					○	○	254620

CGBSR

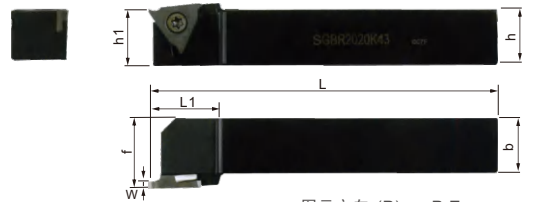
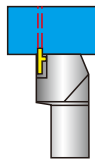


外径切槽加工
External Grooving

刀片 (Inserts): B161 零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	压板 Clamp	螺丝 Screw	扳手 Wrench	Stock		Order Number
	W	b	h	L	L1	h1	f					R	L	
CGBSR/L 1616H32	0.5-2.5	16	16	100	22	16	20	GBA32R/L	HL1808	M3.5×10 M5×20	T15 L2.5	●	●	254700
2020K32	0.5-2.5	20	20	125	26	20	25					●	●	254702
2525M32	0.5-2.5	25	25	150	26	25	32					●	●	254704
CGBSR/L 2020K43	1.25-4.5	20	20	125	26	20	25	GBA43R/L125-450	HL1808	M5×12 M5×20	T20 L2.5	●	●	254706
2525M43	1.25-4.5	25	25	150	26	25	32					●	●	254708

SGBR



外径切槽加工
External Grooving

刀片 (Inserts): B161 零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	W	b	h	L	L1	h1	f				R	L	
SGBR/L 1616H32	0.33-2.5	16	16	100	22	16	20	GBA32R/L	M4×10	T15	●	●	255200
2020K32	0.33-2.5	20	20	125	26	20	25				●	●	255202
2525M32	0.33-2.5	25	25	150	26	25	32				●	●	255204
SGBR/L 2020K43	1.25-4.5	20	20	125	26	20	25	GBA43R/L125-450 GBA43R/L125-185 GBA43R/L200-280 GBA43R/L300-450	M5×12	T20	●	●	255206
2020K43-1	1.25-1.85	20	20	125	26	20	25				○	○	255208
2020K43-2	2.0-2.8	20	20	125	26	20	25				○	○	255210
2020K43-3	3.0-4.5	20	20	125	26	20	25				○	○	255212
SGBR/L 2525M43	1.25-4.5	25	25	150	26	25	32	GBA43R/L125-450 GBA43R/L125-185 GBA43R/L200-280 GBA43R/L300-450	M5×12	T20	●	●	255214
2525M43-1	1.25-1.85	25	25	150	26	25	32				○	○	255216
2525M43-2	2.0-2.8	25	25	150	26	25	32				○	○	255218
2525M43-3	3.0-4.5	25	25	150	26	25	32				○	○	255220

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

KGBA-OH (内冷刀杆) KGBA-JCT (internally cooled blade)

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

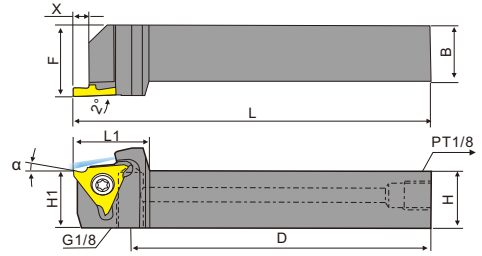
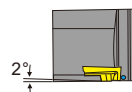
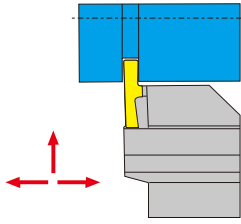
内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组



- 本图为右手 (R)
- This image is for the right hand (R)

刀片 (Inserts): B161 零配件 (Toolholder Parts): P03-P05

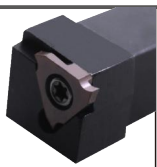
型号 Model number	尺寸 (mm) dimension(mm)								零件 parts				适用刀片 Suitable for blade	库存 inventory		Order Number
	H	H1	B	L	L1	F	X	D	紧固螺钉 Fastening screw	扳手 Wrench				R	L	
KGBA R/L 2020K-16-OH	20	20	20	125	24.0	25	25	107.5	M4.0X8	T15	-	PT1/8	GBA32 R/L 型	●	●	
2525K-16-OH	25	25	25		30											
2020K22-15-OH	20	20	20	125	26.5	25	4	105	M5.0X9	-	T20	PT1/8	GBA43 R/L 型	●	●	
2525K22-15-OH	25	25	25			30										
2020K22-25-OH	20	20	20			25	5.5									
2525K22-25-OH	25	25	25			30										
2020K22-35-OH	20	20	20			25										
2525K22-35-OH	25	25	25			30										

切槽/切断加工

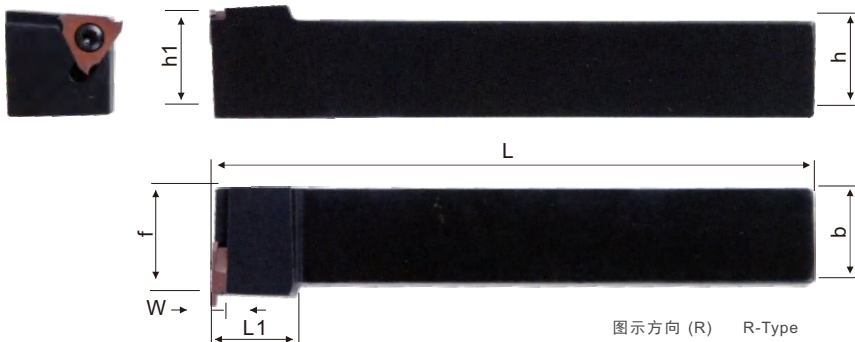
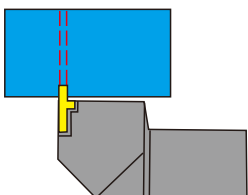
外圆切槽/切断车刀

External Cut-off / Grooving turning tool

SGBSR



外径切槽加工
External Grooving



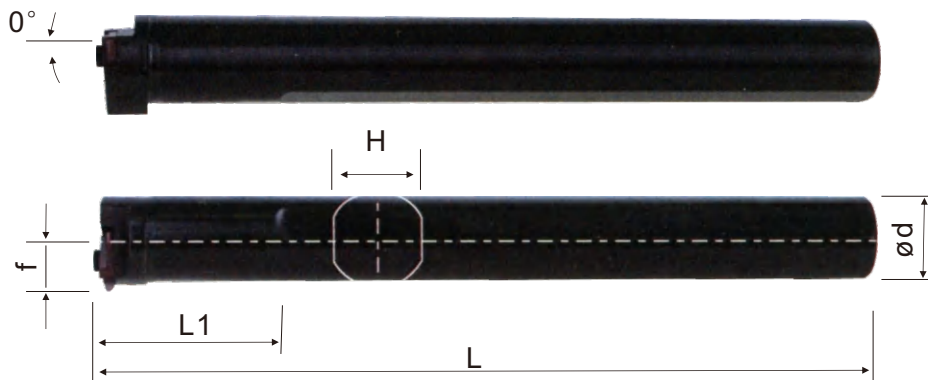
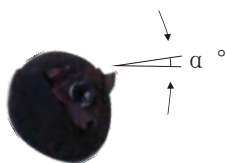
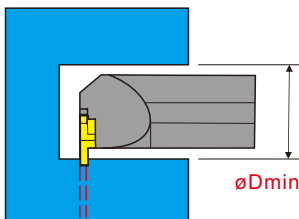
刀片 (Inserts): B161 零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	W	b	h	L	L1	h1	f				R	L	
SGBSR/L 1616H32 2020K32 2525M32	0.5-2.5	16	16	100	22	16	20	GBA32R/L	M4×10	T15	●	●	255222
	0.5-2.5	20	20	125	26	20	25				●	●	255224
	0.5-2.5	25	25	150	26	25	32				●	●	255226
SGBSR/L 2020K43 2525M43	1.25-4.5	20	20	125	26	20	25	GBA43R/L125-450	M5×12	T20	●	●	255228
	1.25-4.5	25	25	150	26	25	32				●	●	255230

S..SGBR



外径切槽加工
External Grooving



图示方向 (R) R-Type

刀片 (Inserts): B161 零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	d	f	L	L1	H	W				R	L	
S16N-SGBR/L16	20	16	11	160	30	15	0.3-3	GBA32L/R 32	M4×9	T15	●	●	256401
S20R-SGBR/L 32	24	20	12.8	200	40	19	0.3-3				●	●	256400
S25S-SGBR/L 32	29	25	15.3	250	40	23	0.3-3				●	●	256402
S32T-SGBR/L 43	40	32	21.5	300	50	30	1.5-5				●	●	256404

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

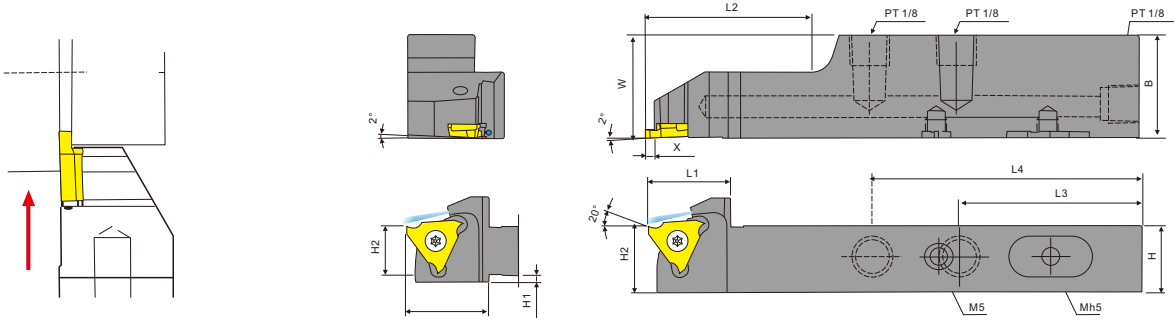
切槽
切断

端面
切槽

阻尼
模组

KGBA-OH2 (内冷刀杆)

KGBF-JCTM (internally cooled blade)



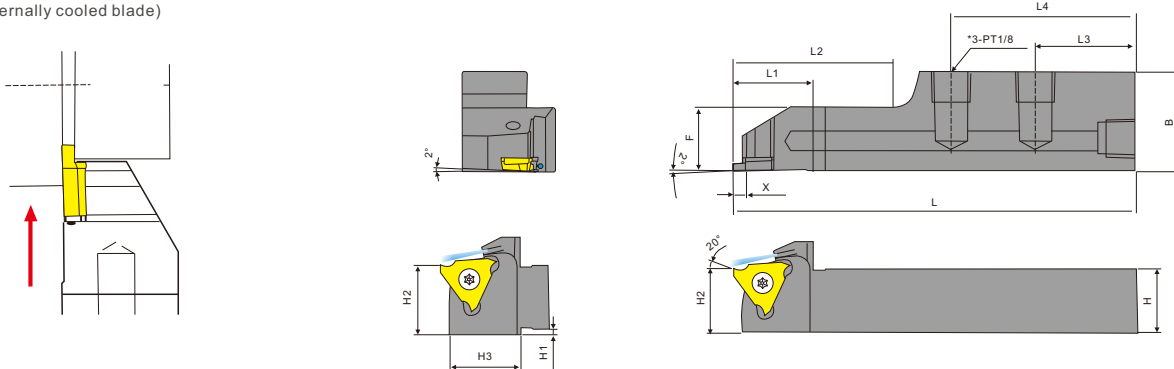
●本图为右手(R)
●This image is for the right hand(R)

刀片 (Inserts): B161 零配件 (Toolholder Parts): P03-P05

型号 Model number	尺寸 (mm) dimension(mm)											零件 parts			Stock		Order Number
	H=H2	H1	B	L	HBL	L1	L	W	X	L3	L4	紧固螺钉 Fastening screw	扳手 wrench	插销1 Pin 1	R	L	
KGBA R/L 2020K-16-OH2	12	1.5	18		20		28	12		54	-	M4.0X8	T8	PT 1/8	●		
2525K-16-OH2	16	-	25	125		40	16	3	44	65	●						
2020K22-15-OH2	20	-	25			40	20				●						

KGBF-OH (内冷刀杆)

KGBF-OH (internally cooled blade)



●本图为右手(R)
This image is for the right hand(R)

刀片 (Inserts): B161 零配件 (Toolholder Parts): P03-P05

型号 Model number	尺寸 (mm) dimension(mm)											零件 parts			库存 inventory		Order Number
	H=H2	H1	B	L	H3	L1	L2	F	X	L3	L4	紧固螺钉 Fastening screw	扳手 wrench	插销1 Pin 1	R	L	
KGBFR 1220H-16-OH	12	1.5	20	100	20	20	28	12	3	35	-	M4.0X8	T8	PT 1/8	●		
1625H-16-OH	16	-	25	100	-	20	40	16	3	25	46				●		
2025H-16-OH	20	-	25	100	-	20	40	20	3	25	46				●		

注意事项 note

GBF与GBA的互换性

Interchangeability between GBF and GBA

GBF(刀片)可以装配到KGBA / KGBAS(刀杆)上。

注意 最大槽深为刀杆的上限值2.5mm

GBF (blade) can be assembled onto KGBA/KGBAS (tool holder). Note that the maximum groove depth is the upper limit value of 2.5mm for the tool holder

GBA(刀片)可以装配到KGBF-F(刀杆)上。

注意 刀杆安装时的前角为11°

GBA (blade) can be assembled onto KGBF-F (tool holder). Note that the front angle of the cutter bar during installation is 11°

关于最大加工径的限制

Limitations on the maximum machining diameter

最大槽深3mm时的最大加工径是ø51mm

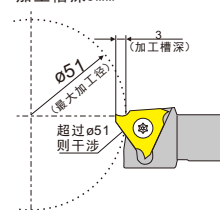
The maximum machining diameter at a maximum groove depth of 3mm is ø 51mm

2.7mm时是ø100mm、2.5mm以下是ø200mm。

超过最大加工径的工件,会与刀杆产生干涉,所以无法加工

At 2.7mm, it is ø 100mm, and below 2.5mm, it is ø 200mm. Workpieces exceeding the maximum machining diameter will interfere with the tool holder, so they cannot be machined

加工槽深3mm



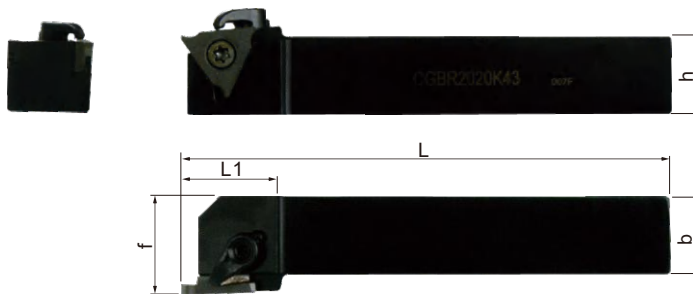
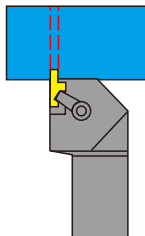
切槽/切断加工

外圆切槽/切断车刀

External Cut-off / Grooving turning tool

MGHR

内孔切槽加工
Internal Grooving Processing



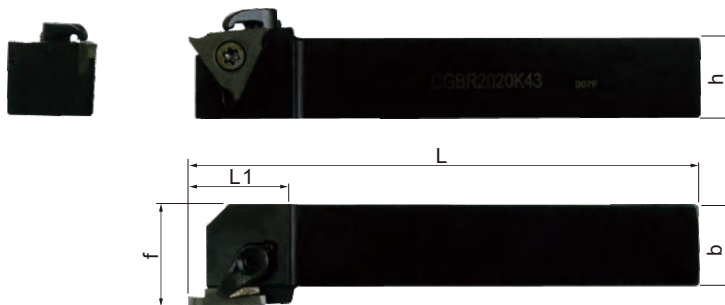
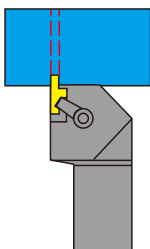
图示方向 (R) R-Type

零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	压板 Clamp	螺丝 Screw	扳手 Wrench	Stock		Order Number
	W	b	h	L	L1	h1	f					R	L	
MGHR/L 2020K3315	1.25-2.3	20	20	125	17	20	20.2	MGTR/L33125 -33470	HL1808	M3.5×10 M5×20	T15 L2.5	●	●	254800
2020K3323	2.3-3.3	20	20	125	17	20	20.2					●	●	254802
2525M3315	1.25-2.3	25	25	150	17	25	25.2					●	●	254804
2525M3323	2.3-3.3	25	25	150	17	25	25.2					●	●	254806
2525M3333	3.3-4.7	25	25	150	17	25	25.2					●	●	254808
MGHR/L 2020K4315	1.25-2.3	20	20	125	26	20	20.2	MGTR/L43125 -43470	HL1808	M5×12 M5×20	T20 L2.5	●	●	254810
2020K4323	2.3-3.3	20	20	125	26	20	20.2					●	●	254812
2020K4333	3.3-4.7	20	20	125	26	20	20.2					●	●	254814
2525M4315	1.25-2.3	25	25	150	26	25	25.2					●	●	254816
2525M4323	2.3-3.3	25	25	150	26	25	25.2					●	●	254818
2525M4333	3.3-4.7	25	25	150	26	25	25.2					●	●	254820
2525M4447	4.7-6.3	25	25	150	26	25	25.2					MGTR/L44500-44600		

GWCR

外径切槽加工
External Grooving



图示方向 (R) R-Type

零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	压板 Clamp	螺丝 Screw	扳手 Wrench	Stock		Order Number
	W	b	h	L	L1	h1	f					R	L	
GWC R/L 1010-3	0.33-2.80	10	10	125	17	10	10	TGAR/L3033 -3280	HL1808	M3.5×10 M5×20	T15 L2.5	●	●	254906
1212-3	0.33-2.80	12	12	125	17	12	12					●	●	254908
1616-3	0.33-2.80	16	16	125	17	16	16					●	●	254910
2020-3	0.33-2.80	20	20	125	17	20	20					●	●	254912
2525-3	0.33-2.80	25	25	150	17	25	25					●	●	254914
GWC R/L 2020-15	1.00-1.45	20	20	125	17	20	20	TGAR/L4125-4145	HL1808	M5×12 M5×20	T20 L2.5	●	●	254916
2020-25	1.50-2.30	20	20	125	17	20	20	TGAR/L4150-4230				●	●	254918
2020-35	2.50-4.80	20	20	125	17	20	20	TGAR/L4250-4480				●	●	254920
2525-15	1.00-1.45	25	25	150	17	25	25	TGAR/L4125-4145				●	●	254922
2525-25	1.50-2.30	25	25	150	17	25	25	TGAR/L4150-4230				●	●	254924
2525-35	2.50-4.80	25	25	150	17	25	25	TGAR/L4250-4480				●	●	254926

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

TGF 三角形
多功能
切槽刀片



切削线速度 (Cutting Speed): m/min⁻¹ (mm)

加工材料	PCD	CBN-K	CBN-S	ZN80	ZK01	ZM826	ZP15	ZM856
低碳钢	金剛石	钢铁专用	难切削材料	光洁度好	铜铝加工	黄色通用	紫色通用	不锈钢通用
P 高碳钢				150-600		60-250	70-250	100-250
淬硬钢 HRC46-58				150-350		60-150	70-150	80-150
M 不锈钢			10-30			20-60	20-60	20-60
灰口铸铁		300-1500		200-300		50-150	50-150	70-150
球墨铸铁/轧辊		400-800		100-300		130-210	150-200	150-300
镁/铝/钛/塑料/木材	300-1200				300-1200			
铝合金 HB50-70	300-1500				300-1500			
N 淬硬铝合金 HB70-110	300-800				300-800			
铜/青铜/黄铜	300-1000				300-1000			
S 硬质合金/粉末冶金	10-30				10-30			
硅填充塑料/硬质纤维	400-600				400-600			
H 钛/高温合金/碳纤维	100-200				100-200	20-50	20-50	20-60

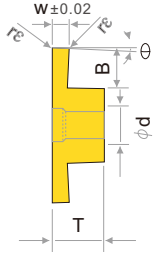
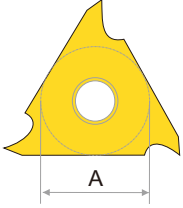


Fig.1

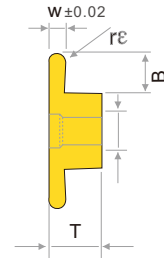
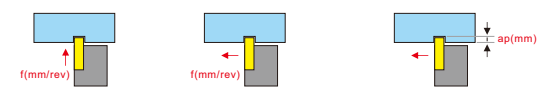


Fig.2 圆弧槽刀

用途	规格型号	尺寸 Dimension							刀具安装角 θ																										
		W±0.02	B	rE	A	T	ϕd	Fig																											
小径切槽	TGF32° 030-005 033-005	0.30 0.33	0.05	0.05	9.525	3.18	4.5	Fig.1	2°	PCD																									
										CBN-K																									
										ZN80																									
										ZK01																									
	040-005 045-005	0.40 0.45	1.25	0.05	9.525	3.18	4.5	Fig.1	2°	ZM826																									
										ZP15																									
										ZN80																									
										ZM860																									
	050-005 050L220	0.50 0.50	2.2	0.05	9.525	3.18	4.5	Fig.1	2°	CBN-S																									
										ZN80																									
										ZK01																									
										ZP15																									
	滚花车花	055-005 060-005	0.55 0.60	2.05	0.1	9.525	3.18	4.5	Fig.1	2°	ZN80																								
											ZK01																								
											ZM826																								
											ZP15																								
ZN80																																			
ZM860																																			
焊接车刀夹头											100L330 100-010	1.00 1.00	3.3	0.1	9.525	3.18	4.5	Fig.1	2°	ZM826															
																				ZP15															
	ZN80																																		
	ZM860																																		
	CBN-K																																		
	ZN80																																		
	ZK01																																		
	ZP15																																		
	ZM860																																		
	ZM826																																		
外圆车削	105-010 110-010 115-010 120-010 125-010 130-010 135-010 140-010 145-010 150-010	1.05 1.10 1.15 1.20 1.25 1.30 1.35 1.40 1.45 1.50	2.2	0.1	9.525	3.18	4.5	Fig.1	2°	CBN-K																									
										ZN80																									
										ZK01																									
										ZP15																									
										ZM826																									
										ZM860																									
										内孔车削	150L380 155-010	1.50 1.55	3.8 2.4	0.15	9.525	3.18	4.5	Fig.1	2°	ZM826															
																				ZP15															
																				ZN80															
																				ZM860															
																				ZM826															
																				ZP15															
																				ZN80															
																				ZM860															
																				螺纹车削	175-015 180-015 185-015	1.75 1.80 1.85	2.4	0.15	9.525	3.18	4.5	Fig.1	2°	ZM826					
																														ZP15					
										ZN80																									
										ZM860																									
										ZM826																									
										ZP15																									
ZN80																																			
ZM860																																			
端面切槽	190-015 195-015 200-010 200-015 200L400	1.90 1.95 2.00 2.00 2.00	2.7	0.1	9.525	3.18	4.5	Fig.1	2°	ZM826																									
										ZP15																									
										ZN80																									
										ZM860																									
										ZM826																									
										ZP15																									
										ZN80																									
										ZM860																									
										阻尼模組	210-015 215-015 220-015 225-015 230-015 240-015 250-010 250-015 250L400	2.10 2.15 2.20 2.25 2.30 2.40 2.50 2.50 2.50	4.0	0.1	9.525	3.18	4.5	Fig.1	2°	ZM826															
																				ZP15															
ZN80																																			
ZM860																																			
ZM826																																			
ZP15																																			
ZN80																																			
ZM860																																			
阻尼模組	260-015 265-015 270-015 280-015 290-015 300-020 320-020	2.60 2.65 2.70 2.80 2.90 3.00 3.20	3.0	0.15	9.525	3.18	4.5	Fig.1	2°											ZM826															
																				ZP15															
										ZN80																									
										ZM860																									
										ZM826																									
										ZP15																									

用途	规格型号	尺寸 Dimension							刀具安装角 θ						
		W±0.02	B	rE	A	T	ϕd	Fig							
切槽加工	TGF32° 100-R050 150-R075 200-R100 250-R125 300-R150	1.00 1.50 2.00 2.50 3.00	2.2 2.2 2.7 3.0 3.2	0.50 0.75 1.00 1.25 1.50	9.525	3.18	4.5	Fig.2	2°	PCD					
										CBN-K					
										ZN80					
										ZK01					
										ZM826					
										ZP15					



代号说明: Code Description T.1 切槽加工时的进给 Feed of Grooving T.2 横向切槽加工时的进给 Feed of Transverse Grooving T.3 横向切槽加工时的切深 Depth of Transverse Grooving

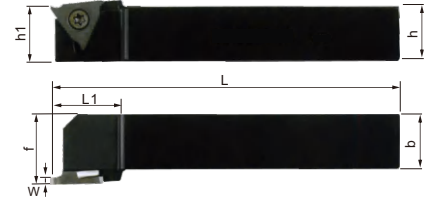
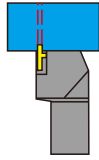
用途	被加工材料	切削参数 Cutting Parameter														
		TGF32° 033-055			TGF32° 055-095			TGF32° 100-145			TGF32° 150-250			TGF32° 255-320		
P	钢	T.1	T.2	T.3	T.1	T.2	T.3	T.1	T.2	T.3	T.1	T.2	T.3	T.1	T.2	T.3
P	钢	0.01 0.05	~	~	0.02 0.07	~	~	0.03 0.08	0.03 0.06	0.02 0.2	0.03 0.1	0.03 0.09	0.02 0.3	0.03 0.12	0.03 0.1	0.02 0.3
M	不锈钢	0.01 0.04	~	~	0.02 0.06	~	~	0.03 0.07	0.02 0.05	0.02 0.2	0.03 0.1	0.02 0.08	0.02 0.3	0.03 0.1	0.02 0.09	0.02 0.3
K	铸铁	0.01 0.04	~	~	0.02 0.06	~	~	0.03 0.08	0.02 0.05	0.02 0.2	0.03 0.1	0.02 0.08	0.02 0.3	0.03 0.12	0.02 0.09	0.02 0.3
N	铝/铜/镁/锌/塑料/木材	0.01 0.05	~	~	0.02 0.07	~	~	0.03 0.08	0.03 0.06	0.02 0.2	0.03 0.12	0.02 0.12	0.02 0.3	0.03 0.15	0.02 0.15	0.02 0.3
S	硬质合金/粉末冶金	0.01 0.02	~	~	0.01 0.02	~	~	0.01 0.03	~	~	0.01 0.05	0.01 0.03	0.02 0.1	0.01 0.05	0.01 0.03	0.02 0.1
H	钛/高温合金/碳纤维	0.01 0.02	~	~	0.01 0.02	~	~	0.01 0.03	~	~	0.01 0.05	0.01 0.03	0.02 0.1	0.01 0.05	0.01 0.03	0.02 0.1

切槽/切断加工

外圆/内孔切槽车刀

External / Internal Grooving turning tool

KTGFR



外径切槽加工
External Grooving

刀片 (Inserts): B167 零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	W	b	h	L	L1	h1	f				R	L	
KTGFR/L1010F-16	0.33-2.5	10	10	80	18.5	10	12	TGF32R/L	M4×7	T15	●	●	255300
1212H-16	0.33-2.5	12	12	100	18.5	12	16				●	●	255302
1616H-16	0.33-2.5	16	16	100	18.5	16	20				●	●	255304
2020K-16	0.33-2.5	20	20	125	20	20	25				●	●	255306
2525M-16	0.33-2.5	25	25	150	20	25	32				●	●	255308

无偏头 (自动车床背车用) Unbiased Head (Aor Automatic Lathe Back)

KTGFR/L0808H-16F	0.33-2.5	8	8	100	18.5	8	8	TGF32R/L	M4×7	T15	●	●	255310
1010K-16F	0.33-2.5	10	10	125	18.5	10	10				●	●	255312
1212K-16F	0.33-2.5	12	12	125	18.5	12	12				●	●	255314
1212M-16F	0.33-2.5	12	12	150	18.5	12	12				●	●	255316
1616K-16F	0.33-2.5	16	16	150	18.5	16	16				●	●	255318

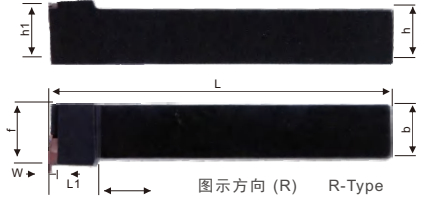
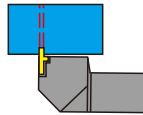
中心出水内冷规格型号 Specification and model of central water outlet and internal cooling

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	W	b	h	L	L1	h1	f				R	L	
KTGFR/L1010H16-OH	0.33-2.5	10	10	80	18.5	10	12	TGF32R/L	M4×7	T15	●	●	
1212H16-OH	0.33-2.5	12	12	100	18.5	12	16				●	●	
1616H16-OH	0.33-2.5	16	16	100	18.5	16	20				●	●	
2020K16-OH	0.33-2.5	20	20	125	20	20	25				●	●	
2525M16-OH	0.33-2.5	25	25	150	20	25	32				●	●	

内冷-无偏头 (自动车床背车用) Unbiased Head (Aor Automatic Lathe Back)

KTGFR/L 1010H16N-OH	0.33-2.5	10	10	100	18.5	10	10	TGF32R/L	M4×7	T15	●	●	
1212H16N-OH	0.33-2.5	12	12	100	18.5	12	12				●	●	
1616H16N-OH	0.33-2.5	16	16	100	18.5	16	16				●	●	

KTGFSR



外径切槽加工
External Grooving

刀片 (Inserts): B167 零配件 (Toolholder Parts): P03-P05

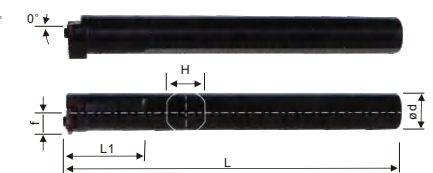
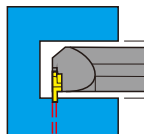
刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	W	b	h	L	L1	h1	f				R	L	
KTGFSR/L 1010H16	0.33-3.0	10	10	100	18.5	10	16	TGF32R/L	M4×7	T15	●	●	255319
1212H16	0.33-3.0	12	12	100	18.5	12	20				●	●	255321
1616H16	0.33-3.0	16	16	100	18.5	16	24				●	●	255320
2020K16	0.33-3.0	20	20	125	20	20	30				●	●	255322
2525M16	0.33-3.0	25	25	150	20	25	35				●	●	255324

S..KTGFR



B..KTGFR..

弹簧钢柄
Spring Steel



内孔切槽加工
Internal Grooving Processing

刀片 (Inserts): B167 零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	øDmin	d	f	L	L1	H	W				R	L	
S16N-KTGFR/L16	20	16	11	160	30	15	0.3-3	TGFL/R 32	M4×9	T15	●	●	256410
S20R-KTGFR/L16	24	20	12.8	200	40	19	0.3-3				●	●	256412
S25S-KTGFR/L16	29	25	15.3	250	40	23	0.3-3				●	●	256414
S32T-KTGFR/L43	40	32	21.5	300	50	30	1.5-5	TGFL/R 43	M5×12	T20	●	●	256416

弹簧钢防震刀杆 (防震效果>4倍柄径)

Spring Steel Shock-Proof Toolholder (Shock-Proof Effect > 4 Times Toolholder Diameter)

B-S16N-KTGFR/L16	21	16	11	160	30	15	0.3-3	TGFL/R 32	M4×9	T15	●	●	256420
B-S20Q-KTGFR/L16	25	20	12.8	180	40	19	0.3-3				●	●	256422
B-S25R-KTGFR/L16	30	25	15.3	200	40	23	0.3-3				●	●	256426

车削
车刀

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

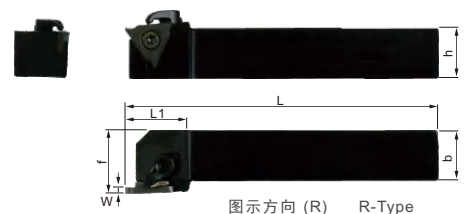
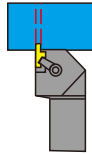
螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

CTGFR

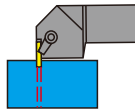


外径切槽加工
External Grooving

刀片 (Inserts): B167 零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	压板 Clamp	螺丝 Screw	扳手 Wrench	Stock		Order Number
	W	b	h	L	L1	h1	f					R	L	
CTGFR/L1010F-16	0.33-2.5	10	10	80	18.5	10	12	TGF32R/L	HL1808	M4×7 M5×20	T15 L2.5	●	●	255100
1212H-16	0.33-2.5	12	12	100	18.5	12	16					●	●	255102
1616H-16	0.33-2.5	16	16	100	18.5	16	20					●	●	255104
2020K-16	0.33-2.5	20	20	125	20	20	25					●	●	255106
2525M-16	0.33-2.5	25	25	150	20	25	32					●	●	255108
无偏头 (自动车床背车用) Unbiased Head (for Automatic Lathe Back)														
CTGFR/L0808H-16F	0.33-2.5	8	8	100	18.5	8	8	TGF32R/L	HL1808	M4×7 M5×20	T15 L2.5	●	●	255110
1010K-16F	0.33-2.5	10	10	125	18.5	10	10					●	●	255112
1212K-16F	0.33-2.5	12	12	125	18.5	12	12					●	●	255114
1212M-16F	0.33-2.5	12	12	150	18.5	12	12					●	●	255116
1616K-16F	0.33-2.5	16	16	150	18.5	16	16					●	●	255118

CTGFSR

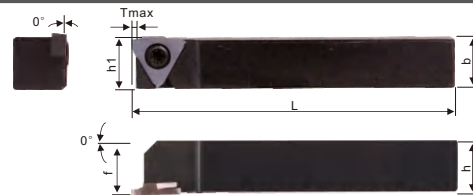
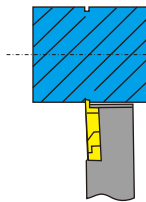


外径切槽加工
External Grooving

刀片 (Inserts): B167 零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	压板 Clamp	螺丝 Screw	扳手 Wrench	Stock		Order Number
	W	b	h	L	L1	h1	f					R	L	
CTGFSR/L1616H-16	0.33-2.5	16	16	100	18.5	16	20	TGF32R/L	HL1808	M4×7 M5×20	T15 L2.5	●	●	255120
2020K-16	0.33-2.5	20	20	125	20	20	25					●	●	255122
2525M-16	0.33-2.5	25	25	150	20	25	32					●	●	255124

GTRR

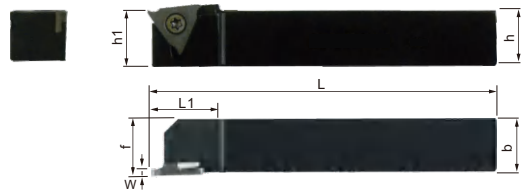
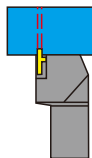


外径切槽加工
External Grooving

零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	W	b	h	L	L1	h1	f				R	L	
GTRR/L 08F00	0.33-3.0	8	8	80	3	8	8	GTM.32R/L..	M4×10	T15	●	●	255400
10F00	0.33-3.0	10	10	80	3	10	10				●	●	255402
12F00	0.33-3.0	12	12	100	3	12	12				●	●	255404
16F00	0.33-3.0	16	16	100	3	16	16				●	●	255406
20F00	0.33-3.0	20	20	120	3	20	20				●	●	255408
25F00	0.33-3.0	25	25	150	3	25	25				●	●	255410

JSTGR



外径切槽加工
External Grooving

零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	W	b	h	L	L1	h1	f				R	L	
JSTGR/L 1010K3	0.33-3.0	10	10	125	18.5	10	10	JTGR/L3	M4×7	T15	●	●	255326
1212K3	0.33-3.0	12	12	125	18.5	12	12				●	●	255328
1616K3	0.33-3.0	16	16	125	18.5	16	16				●	●	255330

车削
车柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

切槽/切断加工

外圆/内孔切槽车刀

External / Internal Grooving turning tool

PENTA

切槽切断
五角经济
外圆加工

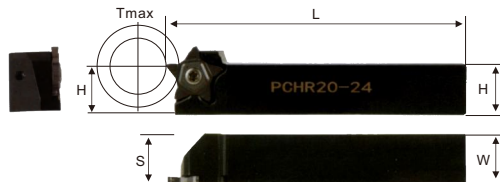
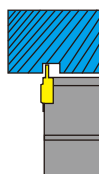
切削形态: Cutting Environment		● 稳定切削 Stable Cutting	● 一般切削 General Cutting	✘ 不稳定切削 Unstable Cutting
P	钢 Steel	●	●	✘
M	不锈钢 Stainless Steel	●	●	✘
K	铸铁 Iron	●	●	✘
N	铝/铜/镁/锌/塑料/木材 Aluminum/Copper/Magnesium/Zinc/Plastic/Wood	●	●	✘
S	硬质合金/粉末冶金 Carbide/Powder Metallurgy	●	●	✘
H	钛/高温合金/碳纤维 Titanium/Superalloy/Carbon Fiber	●	●	✘

用途 Application	尺寸标示 Dimensioning	规格型号 Specification	尺寸 Dimension						P03 P05	CN1 CN2	CN3 CN4	CN5 CN6	CN7 CN8	CN9 CN10	CN11 CN12	
			W	r _e	L	B	H	ϕ								
切槽切槽加工 Grinding groove (finishing)		PENTA24N 050P005	0.50	0.05	2.0	-	-	-	●	●	●	●	●	●	●	●
		075P005	0.75	0.05	3.0	-	-	-	●	●	●	●	●	●	●	●
		100P005	1.00	0.05	4.0	-	-	-	●	●	●	●	●	●	●	●
		120P005	1.20	0.05	4.0	-	-	-	●	●	●	●	●	●	●	●
		150P005	1.50	0.05	4.0	-	-	-	●	●	●	●	●	●	●	●
		185P005	1.85	0.05	4.0	-	-	-	●	●	●	●	●	●	●	●
		200P005	2.00	0.05	4.0	-	-	-	●	●	●	●	●	●	●	●
		230P005	2.30	0.05	4.5	-	-	-	●	●	●	●	●	●	●	●
		250P005	2.50	0.05	4.5	-	-	-	●	●	●	●	●	●	●	●
		270P005	2.70	0.05	4.5	-	-	-	●	●	●	●	●	●	●	●
300P005	3.00	0.05	4.5	-	-	-	●	●	●	●	●	●	●	●		

切削形态: Cutting Environment		● 稳定切削 Stable Cutting	● 一般切削 General Cutting	✘ 不稳定切削 Unstable Cutting
P	钢 Steel	●	●	✘
M	不锈钢 Stainless Steel	●	●	✘
K	铸铁 Iron	●	●	✘
N	铝/铜/镁/锌/塑料/木材 Aluminum/Copper/Magnesium/Zinc/Plastic/Wood	●	●	✘
S	硬质合金/粉末冶金 Carbide/Powder Metallurgy	●	●	✘
H	钛/高温合金/碳纤维 Titanium/Superalloy/Carbon Fiber	●	●	✘

用途 Application	尺寸标示 Dimensioning	规格型号 Specification	尺寸 Dimension						P03 P05	CN1 CN2	CN3 CN4	CN5 CN6	CN7 CN8	CN9 CN10	CN11 CN12	
			W	r _e	L	B	H	ϕ								
切槽切槽加工 With chip breaker (roughing)		PENTA24N 050J	0.5	0.05	2.0	-	-	-	●	●	●	●	●	●	●	●
		100J	1.0	0.10	2.5	-	-	-	●	●	●	●	●	●	●	●
		150J	1.5	0.10	6.0	-	-	-	●	●	●	●	●	●	●	●
		200J	2.0	0.10	6.0	-	-	-	●	●	●	●	●	●	●	●
		250J	2.5	0.20	6.0	-	-	-	●	●	●	●	●	●	●	●
		300J	3.0	0.20	6.0	-	-	-	●	●	●	●	●	●	●	●

MPCHR



外径切槽加工
External Grooving

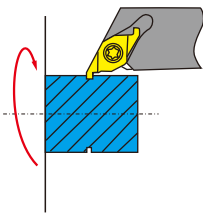
刀片 (Inserts): B170 零配件 (Toolholder Parts): P03-P05

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions					刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	b	h	L	h1	f				R	L	
MPCHR/L 16-24	16	16	100	26	16.6	PENTA24N239J015	M4.5×10	T20	●	●	255500
16-20	20	20	125	26	20.6				●	●	255502
16-25	25	25	150	26	25.5				●	●	255504

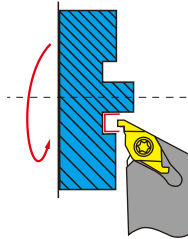
FVC
1604

外圆切槽
端面切槽
浅槽加工



外圆切槽加工

Machining of outer circular groove



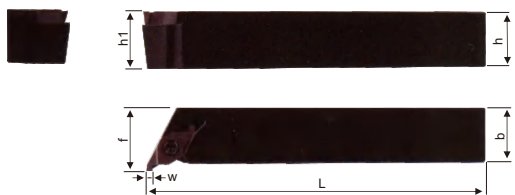
端面切槽加工

End face grooving

切削形态: Cutting Environment		● 稳定切削 Stable Cutting	● 一般切削 General Cutting	✘ 不稳定切削 Unstable Cutting
P	钢 Steel	●	●	✘
M	不锈钢 Stainless Steel	●	●	✘
K	铸铁 Iron	●	●	✘
N	铝/铜/镁/锌/塑料/木材 Aluminum/Copper/Magnesium/Zinc/Plastic/Wood	●	●	✘
S	硬质合金/粉末冶金 Carbide/Powder Metallurgy	●	●	✘
H	钛/高温合金/碳纤维 Titanium/Superalloy/Carbon Fiber	●	●	✘

用途 Application	尺寸标示 Dimensioning	规格型号 Specification	尺寸 Dimension						P03 P05	CN1 CN2	CN3 CN4	CN5 CN6	CN7 CN8	CN9 CN10	CN11 CN12	
			W	r _e	T	B	H	ϕ								
切槽加工 Grooving		FVC1604R 100	1.0	0.05	-	-	-	-	●	●	●	●	●	●	●	●
		150	1.5	0.1	-	-	-	-	●	●	●	●	●	●	●	●
		200	2.0	0.1	2.2	16	15.7	7°	●	●	●	●	●	●	●	●
		250	2.5	0.2	-	-	-	-	●	●	●	●	●	●	●	●
300	3.0	0.2	-	-	-	-	●	●	●	●	●	●	●	●		

SFVCR



外径切槽加工
External Grooving

刀片 (Inserts): B170 零配件 (Toolholder Parts): P03-P05

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions					刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	b	h	L	h1	f				R	L	
SFVCR/L 2020K16	20	20	125	20	25	FVC1604..	M4×10	T15	●	●	255600
2525M16	25	25	150	25	32				●	●	255602

车削刀具

CSV
凸轮车床刀具

DS
刀柄

正面排刀

Y轴刀柄

前车削

后车削

小径切槽
切断螺纹

小孔加工

滚花
车花

焊接
车刀夹头

外圆车削

内孔车削

螺纹车削

切槽
切断

端面切槽

阻尼模组

车削
刀柄

MTQS

外圆

螺纹

切槽切断

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

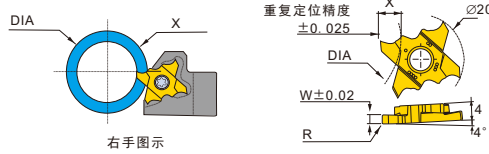
端面
切槽

阻尼
模组

MTQS 20

切断和切槽用磨制槽形精密刀片

Cutting and grooving with precision grinding groove blade



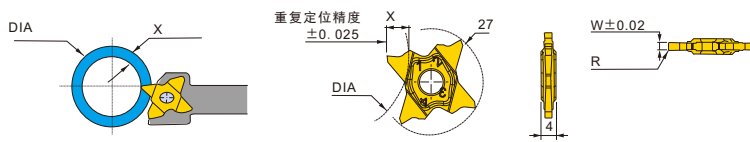
RE	RETOL
RE ≤ 0.1	0.02
0.1 < RE ≤ 0.4	0.03
RE > 0.4	0.05

刀把型号 Ordering code	进给 (mm/rev)	W	R	X	CUTDIA						牌号Number		Stock	Order Number		
					X ≤ 2.2	X ≤ 2.7	X ≤ 3.5	X ≤ 4.0	X ≤ 4.5	X ≤ 5.0	ZP15	R L				
MTQS 20-0.50-0.05-R/L	0.03-0.07	0.50	0.05	2.2	N.L											
20-1.00-0.10-R/L	0.03-0.07	1.00	0.10	2.7	N.L											
20-1.50-0.10-R/L	0.03-0.10	1.50	0.10	5.0	N.L	N.L										
20-2.00-0.10-R/L	0.04-0.12	2.00	0.10	5.0	N.L	N.L	70	50	30	16						
20-2.00-1.05-R/L*	0.05-0.13	2.00	1.00	5.0	N.L	N.L	70	50	30	16						
20-2.50-0.10-R/L	0.04-0.15	2.50	0.10	5.0	N.L	N.L	70	50	30	16						
20-3.00-0.10-R/L	0.04-0.16	3.00	0.10	5.0	N.L	N.L	70	50	30	16						
20-3.00-1.50-R/L*	0.04-0.16	3.00	1.50	5.0	N.L	N.L	70	50	30	16						

MTQS 27

精密切断与切槽刀片

Precision cutting blade with grooving



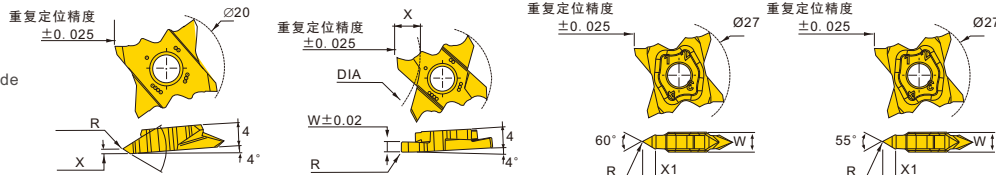
RE	RETOL
R ≤ 0.1	0.02
0.1 < r ≤ 0.4	0.03
R > 0.4	0.05

刀把型号 Ordering code	进给 (mm/rev)	W	R	X	DIA											牌号Number		Stock	Order Number	
					T ≤ 3.0	T ≤ 3.5	T ≤ 4.0	T ≤ 4.5	T ≤ 5.0	T ≤ 5.5	T ≤ 5.7	T ≤ 6.0	T ≤ 6.2	T ≤ 6.4	ZP15	R L				
MTQS 27-1.00-0.10	0.03-0.07	1.00	0.10	3.5	N.L	600														
27-1.50-0.20	0.03-0.10	1.50	0.20	5.7	N.L	600														
27-2.00-0.20	0.04-0.10	2.00	0.20	6.4	N.L	600	280	180	130	50	35									
27-2.39-0.15	0.04-0.15	2.39	0.15	5.7	N.L	600	280	180	130	35	35									
27-2.47-0.20	0.04-0.15	2.47	0.20	5.7	N.L	600	280	180	130											
27-2.50-0.20	0.04-0.15	2.50	0.20	5.7	N.L	600	280	180	130	35	35									
27-3.00-0.10	0.04-0.15	3.00	0.20	6.4	N.L	600	280	180	130	95	95	85	78	55						
27-3.18-0.20	0.05-0.16	3.18	0.20	6.4	N.L	600	280	180	130	95	95	85	78	68						

MTQS..-MT

60° 螺纹仿形刀片

60° thread profile blade



MTQS 20-MT

MTQS 27-MT

MTQS 27-WT

- N:最小螺距 (mm)
- IN:最小牙数/英寸
- X:最大螺距 (mm)
- IX:最大牙数/英寸

刀把型号 Ordering code	尺寸 Dimensions						牌号Number		Stock		Order Number
	N	X	IX	IN	R	X	ZP15	R L			
MTQS 20-MT-0.05-R/L	0.30	1.75	48	14	0.05	0.8	●				

MTQS 27-MT 60° 螺纹仿形刀片 60° thread profile blade

刀把型号 Ordering code	尺寸 Dimensions								牌号Number		Stock		Order Number
	N	X	IX	IN	R	W	X1	ZP15	R L				
MTQS 27-4MT-0.05	0.45	3	56	8	0.05	4	2.8	●					
27-4MT-0.14	1.11	3	23	8	0.14	4	2.7	●					
27-5MT-0.15	1.25	3	20	8	0.15	5	3.1	●					
27-5MT-0.20	1.63	3	16	8	0.20	5	3.1	●					
27-6MT-0.25	1.94	3	13	8	0.25	6	3.6	●					

MTQS 27-WT 55° 螺纹仿形刀片 55° thread profile blade

刀把型号 Ordering code	尺寸 Dimensions						牌号Number		Stock		Order Number
	IX	IN	R	W	X1	ZP15	R L				
MTQS 27-4WT-0.05	54	10	0.05	4	2.9	●					
27-5WT-0.15	19	10	0.14	5	3.3	●					
27-6WT-0.25	12	9	0.25	6	3.9	●					

切槽/切断加工

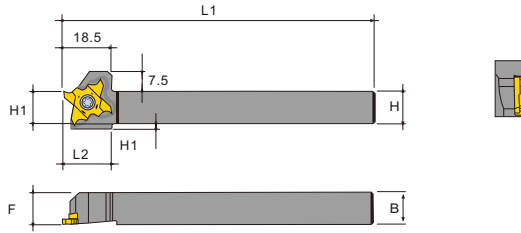
外圆切槽/切断车刀 External Cut-off / Grooving turning tool

MTQHR/L-20

瑞士车床用切断、切槽刀杆

Cutting and grooving tool rods for Swiss lathes

刀片 (Inserts): B171 零配件 (Toolholder Parts): P03-P05



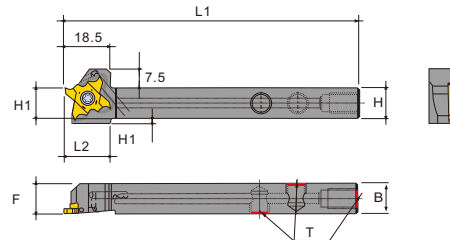
刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	H	H1	B	F	L1	L2	H1				R	L	
MTQHR/L 10-20	10	10	10	10	120	18.5	4	MTQS.20 MTQJ.20	M4.0X10	T15			
12-20	12	12	12	12	120	18.5	2						
16-20	16	16	16	16	120								
20-20	20	20	20	20	120								

MTQHR/L-20-OH

瑞士车床用切断、切槽刀杆，
配备高压冷却系统

Swiss lathes are equipped with cutting and grooving arbors, equipped with a high pressure cooling system

刀片 (Inserts): B171 零配件 (Toolholder Parts): P03-P05

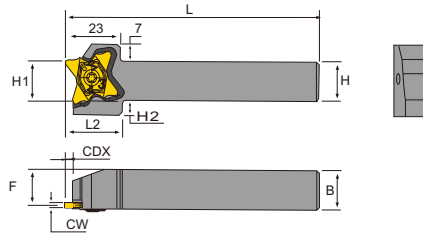


刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	堵头 Screw	扳手 Wrench	Stock		Order Number		
	H	H1	B	F	L1	L2	H1					R	L			
MTQHR/L 12-20-OH	12	12	12	12	120	18.5	2	MTQS.20 MTQJ.20	M4.0X10	UNF 5/16 UNF 5/16 G 1/8	T15	L-W5/32 L-W5				
16-20-OH	16	16	16	16	120											
20-20-OH	20	20	20	20	120											

MTQHR/L-27

切断和切槽刀杆
Cutting and grooving arbor

刀片 (Inserts): B171 零配件 (Toolholder Parts): P03-P05



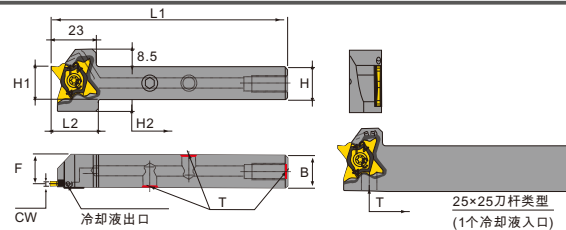
刀把型号 Ordering code	尺寸 Dimensions								刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	H	H1	B	L	F	L1	H2	CW 范围				R	L	
MTQHR/L 10-27	10	10	10	120	8.5	24	9	0.5≤CW < 5.3	MTQ.27	M4.0X10	T20			
12-27	12	12	12	120	10.5	24	8	0.5≤CW < 5.3						
16-27	16	16	16	120	14.5	24	6	0.5≤CW < 5.3						
20-27	20	20	20	120	18.5	24	2	0.5≤CW < 5.3						
25-27	25	25	25	135	23.5			0.5≤CW < 5.3						
16-27-8	16	16	16	120	14.0	24	6	5.3≤CW≤8.2	MTQ.27	M5.0X17	T15			
20-27-8	20	20	20	120	18.0	24	2	5.3≤CW≤8.2						
25-27-8	25	25	25	135	23.0			5.3≤CW≤8.2						

MTQHR/L-27-OH

切断和切槽刀杆，配备高压冷却系统

Cutting and grooving arbor with high pressure cooling system

刀片 (Inserts): B171 零配件 (Toolholder Parts): P03-P05



刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	堵头 Screw	扳手 Wrench	Stock		Order Number	
	H(H1)	B	L1	F	L2	H2	CW范围					R	L		
MTQHR/L 12-27-OH	12	12	120	10.5	24	8	0.5≤CW < 5.3	MTQ..27	M5.0X12	UNF 5/16 UNF 5/16 G1/8 BSP G1/8 BSP	T 20	L-W5/32 L-W5			
16-27-OH	16	16	120	14.5	24	6	0.5≤CW < 5.3								
20-27-OH	20	20	120	18.5	24	2	0.5≤CW < 5.3								
25-27-OH	25	25	135	23.5			0.5≤CW < 5.3								

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

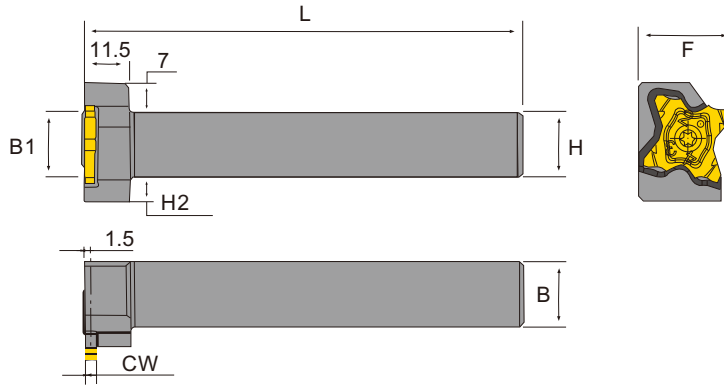
切槽
切断

端面
切槽

阻尼
模组

MTQHPR/L-27

垂直式切断和切槽刀杆
Vertical cutting and grooving arbor



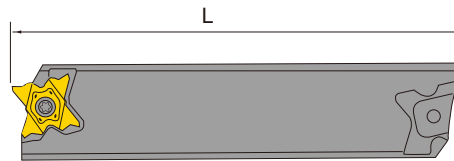
刀片 (Inserts): B171 零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	H	F	B	L	F	H2	CW 范围				R	L	
MTQHPR/L 16-27	16	16	16	120	24	6	0.5≤CW<5.3	MTQ.27	M5.0X12	T20			
20-27	20	20	20	120	28	2	0.5≤CW<5.3						
25-27	25	25	25	135	33		0.5≤CW<5.3						
16-27-8	16	16	16	120	24	6	5.3≤CW≤8.2	MTQS 27	M5.0X17	T15			
20-27-8	20	20	20	120	28	2	5.3≤CW≤8.2						
25-27-8	25	25	25	135	33		5.3≤CW≤8.2						

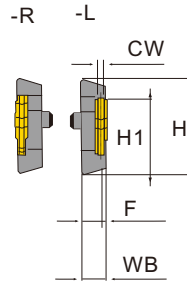
MTQBR/L-27

适用QUADRUSH刀片的双头
切断及切槽刀

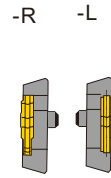
Apply to QUADRUSH blade of double-
ended cutting and grooving knife



MTQBR



MTQBL



刀片 (Inserts): B171 零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions						刀板座 Insert	刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	H	H1	L	F	WB	CW范围					R	L	
MTQBR/L 26-27R	26	21.4	150	7	8.5	0.5≤CW<5.3	MTTBN/U...-26	MTQ...27	M5.0X12	T20			
26-27L	26	21.4	150	7	8.5	0.5≤CW<5.3	MTTBN/U...-26						
32-27R	32	24.9	150	7	8.5	0.5≤CW<5.3	MTTBN/U...-32						
32-27L	32	24.9	150	7	8.5	0.5≤CW<5.3	MTTBN/U...-32						

内孔切槽加工

内孔切槽车刀 Internal Grooving turning tool

GER 小零件
小孔
内孔切槽

应用		尺寸标示	产品图片	规格型号	尺寸 Dimension					应用														
用途		Dimensioning	Product Image	Specification	W	r _c	B	A	L	∅d	POD	CBN ⁺	CBN ⁻	ZN60	ZK01	PC250	PC251	PC252	PC253	PC254	PC255	PC256		
切槽加工 Grooving			GER 050-A 060-A 070-A 080-A 100-A 120-A 125-A 140-A 150-A 180-A 200-A	0.5	1.2	6.69	6.5	2.5																
				0.6																				
				0.7																				
				0.8																				
				1.0																				
				1.2																				
				1.25																				
				1.4																				
				1.5																				
				1.8																				
2.0																								
切槽加工 Grooving			GER 100-050AR 150-075AR 200-100AR	1.0	0.5	1.5	6.69	6.5	2.5															
				1.5	0.75																			
				2.0	1.0																			
切槽加工 Grooving			GER 080-B 100-B 120-B 125-B 130-B 145-B 150-B 180-B 200-B 225-B 250-B 280-B 300-B	0.8	1.8	2.2	8.46	8.2	2.7															
				1.0																				
				1.2																				
				1.25																				
				1.3																				
				1.45																				
				1.5																				
				1.8																				
				2.0																				
				2.25																				
2.5																								
2.8																								
3.0																								
切槽加工 Grooving			GER 100-050BR 150-075BR 200-100BR 250-125BR 300-150BR	1.0	0.5	2.2	8.46	8.2	2.7															
				1.5	0.75																			
				2.0	1.0																			
				2.5	1.25																			
				3.0	1.5																			
				3.0	1.5																			
切槽加工 Grooving			GER 100-C 120-C 125-C 140-C 145-C 150-C 160-C 170-C 185-C 195-C 200-C 225-C 250-C 275-C 280-C 300-C 320-C 350-C	1.0	0.05	2.5	5.8	11.5	2.8															
				1.2																				
				1.25																				
				1.4																				
				1.45																				
				1.5																				
				1.6																				
				1.7																				
				1.7																				
				1.85																				
				1.95																				
				2.0																				
				2.25																				
				2.5																				
2.75																								
2.8																								
3.0																								
3.2																								
3.5																								
切槽加工 Grooving			GER 100-050CR 150-075CR 200-100CR 250-125CR 300-150CR	1.0	0.5	2.5	5.8	11.5	2.8															
				1.5	0.75																			
				2.0	1.0																			
				2.5	1.25																			
				3.0	1.5																			
				3.0	1.5																			
切槽加工 Grooving			GER 100-D 120-D 125-D 140-D 145-D 150-D 170-D 185-D 195-D 200-D 225-D 230-D 250-D 275-D 280-D 300-D 320-D 330-D 350-D 400-D	1.0	2.25	6.8	16.4	3.4																
				1.2																				
				1.25																				
				1.4																				
				1.45																				
				1.5																				
				1.7																				
				1.85																				
				1.95																				
				2.0																				
				2.25																				
				2.3																				
				2.5																				
				2.75																				
				2.8																				
				3.0																				
				3.2																				
				3.3																				
				3.5																				
				4.0																				

应用		尺寸标示	产品图片	规格型号	尺寸 Dimension					应用													
用途		Dimensioning	Product Image	Specification	W	r _c	B	A	L	∅d	POD	CBN ⁺	CBN ⁻	ZN60	ZK01	PC250	PC251	PC252	PC253	PC254	PC255	PC256	
切槽加工 Grooving			GEL 050-A 060-A 070-A 080-A 100-A 120-A 125-A 140-A 150-A 180-A 200-A	0.5	1.2	6.69	6.5	2.5															
				0.6																			
				0.7																			
				0.8																			
				1.0																			
				1.2																			
				1.25																			
				1.4																			
				1.5																			
				1.8																			
2.0																							
切槽加工 Grooving			GEL 100-050AR 150-075AR 200-100AR	1.0	0.5	1.5	6.69	6.5	2.5														
				1.5	0.75																		
				2.0	1.0																		
切槽加工 Grooving			GEL 080-B 100-B 120-B 125-B 130-B 145-B 150-B 180-B 200-B 225-B 250-B 280-B 300-B	0.8	1.8	2.2	8.46	8.2	2.7														
				1.0																			
				1.2																			
				1.25																			
				1.3																			
				1.45																			
				1.5																			
				1.8																			
				2.0																			
				2.25																			
2.5																							
2.8																							
3.0																							
切槽加工 Grooving			GEL 100-050BR 150-075BR 200-100BR 250-125BR 300-150BR	1.0	0.5	2.2	8.46	8.2	2.7														
				1.5	0.75																		
				2.0	1.0																		
				2.5	1.25																		
				3.0	1.5																		
				3.0	1.5																		
切槽加工 Grooving			GEL 100-C 120-C 125-C 140-C 145-C 150-C 160-C 170-C 185-C 195-C 200-C 225-C 250-C 275-C 280-C 300-C 320-C 350-C	1.0	0.05	2.5	5.8	11.5	2.8														
				1.2																			
				1.25																			
				1.4																			
				1.45																			
				1.5																			
				1.6																			
				1.7																			
				1.7																			
				1.85																			
				1.95																			
				2.0																			
				2.25																			
				2.5																			
2.75																							
2.8																							
3.0																							
3.2																							
3.5																							
切槽加工 Grooving			GEL 100-050CR 150-075CR 200-100CR 250-125CR 300-150CR	1.0	0.5	2.5	5.8	11.5	2.8														
				1.5	0.75																		
				2.0	1.0																		
				2.5	1.25																		
				3.0	1.5																		
				3.0	1.5																		
切槽加工 Grooving			GEL 100-D 120-D 125-D 140-D 145-D 150-D 170-D 185-D 195-D 200-D 225-D 230-D 250-D 275-D 280-D 300-D 320-D 330-D 350-D 400-D	1.0	2.25	6.8	16.4	3.4															
				1.2																			
				1.25																			
				1.4																			
				1.45																			
				1.5																			
				1.7																			
				1.85																			
				1.95																			
				2.0																			
				2.25																			
				2.3																			
				2.5																			
				2.75																			
				2.8																			
				3.0																			
				3.2																			
				3.3																			
				3.5																			
				4.0																			

车削刀柄

CSV
凸轮车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

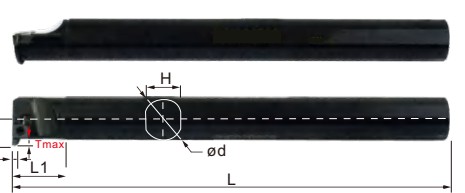
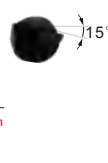
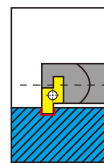
阻尼
模组

用途 Application	尺寸标示 Dimensioning	产品图片 Product Image	规格型号 Specification	尺寸 Dimension							CBN-K CBN-S NM60 NM80 NM101 ZC350 ZC351 ZC352 ZC353
				W	rc	B	A	L	Ød	ØD	
车削 车削加工 Eurotop			GER 150-075DR 200-100DR 250-125DR 300-150DR	1.5	0.75	3.2	6.8	16.4	3.4	•	•
				2.0	1.0						
				2.5	1.25						
				3.0	1.5						
切槽加工 Eurotop			GER 100-E 150-E 170-E 185-E 195-E 200-E 225-E 230-E 250-E 275-E 280-E 300-E 330-E 350-E 400-E 430-E 450-E 460-E 500-E	1.0	0.05	2.5	9.54	21.7	4.4	•	•
				1.5	0.1						
				1.7	0.1						
				1.85	0.1						
				1.95	0.1						
				2.0	0.1						
				2.25	0.1						
				2.3	0.1						
				2.5	0.1						
				2.75	0.1						
				2.8	0.1						
				3.0	0.1						
				3.3	0.1						
				3.5	0.1						
				4.0	0.1						
4.3	0.1										
4.5	0.1										
4.6	0.1										
5.0	0.1										
前 车削 Eurotop			GER 250-125ER 300-150ER 350-175ER 400-200ER 450-225ER 500-250ER	2.5	1.25	9.54	21.7	4.4	•	•	
				3.0	1.5						
				3.5	1.75						
				4.0	2.0						
后 车削 Eurotop			GER 250-125ER 300-150ER 350-175ER 400-200ER 450-225ER 500-250ER	2.5	1.25	9.54	21.7	4.4	•	•	
				3.0	1.5						
				3.5	1.75						
				4.0	2.0						
小径 切槽 切断 螺纹 Eurotop			GER 100DM06-D 150DM10-D 200DM10-D 250DM15-D 300DM15-D 400DM15-D	1.0	0.05	2.5	6.8	16.4	3.4	•	•
				1.5	0.1						
				2.0	0.1						
				2.5	0.2						
				3.0	0.2						
小孔 加工 Eurotop			GER 150DM10R075-D 200DM10R100-D 250DM15R125-D 300DM15R150-D 400DM15R200-D	1.5	0.75	2.5	6.8	16.4	3.4	•	•
				2.0	1.0						
				2.5	1.25						
				3.0	1.5						
				4.0	2.0						

用途 Application	尺寸标示 Dimensioning	产品图片 Product Image	规格型号 Specification	尺寸 Dimension							CBN-K CBN-S NM60 NM80 NM101 ZC350 ZC351 ZC352 ZC353
				W	rc	B	A	L	Ød	ØD	
车削 车削加工 Eurotop			GEL 150-075DR 200-100DR 250-125DR 300-150DR	1.5	0.75	3.2	6.8	16.4	3.4	•	•
				2.0	1.0						
				2.5	1.25						
				3.0	1.5						
切槽加工 Eurotop			GEL 100-E 150-E 170-E 185-E 195-E 200-E 225-E 230-E 250-E 275-E 280-E 300-E 330-E 350-E 400-E 430-E 450-E 460-E 500-E	1.0	0.05	2.5	9.54	21.7	4.4	•	•
				1.5	0.1						
				1.7	0.1						
				1.85	0.1						
				1.95	0.1						
				2.0	0.1						
				2.25	0.1						
				2.3	0.1						
				2.5	0.1						
				2.75	0.1						
				2.8	0.1						
				3.0	0.1						
				3.3	0.1						
				3.5	0.1						
				4.0	0.1						
4.3	0.1										
4.5	0.1										
4.6	0.1										
5.0	0.1										
前 车削 Eurotop			GEL 250-125ER 300-150ER 350-175ER 400-200ER 450-225ER 500-250ER	2.5	1.25	9.54	21.7	4.4	•	•	
				3.0	1.5						
				3.5	1.75						
				4.0	2.0						
后 车削 Eurotop			GEL 250-125ER 300-150ER 350-175ER 400-200ER 450-225ER 500-250ER	2.5	1.25	9.54	21.7	4.4	•	•	
				3.0	1.5						
				3.5	1.75						
				4.0	2.0						
小径 切槽 切断 螺纹 Eurotop			GER 150DM10R075-D 200DM10R100-D 250DM15R125-D 300DM15R150-D 400DM15R200-D	1.5	0.75	2.5	6.8	16.4	3.4	•	•
				2.0	1.0						
				2.5	1.25						
				3.0	1.5						
				4.0	2.0						

SIGER

B..SIGER..



内孔切槽加工
Internal Grooving Processing

弹簧钢柄
Spring Steel

刀片 (Inserts): B174-B175 零配件 (Toolholder Parts): P03-P05

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	Dmin	Tmax	Ød	f	L1	L	H				R	L	
SIGE R/L 0606A-EH	6	1.5	6	3.8	20	100	4.5	GER/L..A/AR	M2.0×4.5	T6	•	•	257601
0808A-EH	8	1.5	8	4.8	20	100	7.2				•	•	257600
1010B-EH	10	2.2	10	6.2	25	125	9				•	•	257602
1210B-EH	12	2.2	10	7	30	125	9	•	•	257604			
SIGE R/L 1412C-EH	14	2.5	12	8	33	150	11.4	GER/L..C/CR/DM	M2.5×6	T8	•	•	257606
1612C-EH	16	2.5	12	8.5	20	150	11.4				•	•	257608
1616C-EH	16	2.5	16	9	36	160	15				•	•	257610
SIGE R/L 2020D-EH	20	4.5	20	12.1	40	180	19	GER/L..D/DR/DM	M3.0×8	T10	•	•	257612
SIGE R/L 2525E-EH	25	6.5	25	15.6	45	200	24	GER/L..E/ER/DM	M4.0×8	T15	•	•	257614
3232E-EH	32	6.5	32	19	55	220	30.4				•	•	257616
4032E-EH	40	6.5	32	23	45	250	30.4				•	•	257618
弹簧钢防震刀杆 (防震效果>4倍柄径) Spring Steel Shock-Proof Toolholder (Shock-Proof Effect > 4 Times Toolholder Diameter)													
B-SIGE R/L 0808A-EH	8	1.5	8	4.8	20	100	7.2	GER/L..A/AR	M2.0×4.5	T6	•	•	257630
1010B-EH	10	2.2	10	6.2	25	125	9	GER/L..B/BR	M2.2×4	T7	•	•	257632
1210B-EH	12	2.2	10	7	30	125	9				•	•	257634
1212B-EH	12	2.2	12	7	30	150	11.4				•	•	257636
B-SIGE R/L 1412C-EH	14	2.5	12	8	33	150	11.4	GER/L..C/CR/DM	M2.5×6	T8	•	•	257638
1612C-EH	16	2.5	12	8.5	20	150	11.4				•	•	257640
1616C-EH	16	2.5	16	9	36	160	15				•	•	257642
B-SIGE R/L 2020D-EH	20	4.5	20	12.1	40	180	19	GER/L..D/DR/DM	M3.0×8	T10	•	•	257644
2525D-EH	25	4.5	25	15.6	45	200	24				•	•	257646
B-SIGE R/L 2520E-EH	25	6.5	20	16	40	180	19	GER/L..E/ER/DM	M4.0×8	T15	•	•	257648
2525E-EH	25	6.5	25	16	45	200	24				•	•	257650

内孔切槽加工

内孔切槽车刀 Internal Grooving turning tool



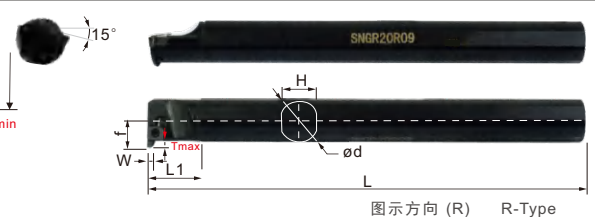
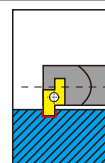
		切削形态: Cutting Environment				应用: Application											
		● 稳定切削 Stable Cutting	● 一般切削 General Cutting	✘ 不稳定切削 Unstable Cutting													
P	钢 Steel	●	●	✘	●	●	●	●	●	●	●	●	●	●	●		
M	不锈钢 Stainless Steel	●	●	✘	●	●	●	●	●	●	●	●	●	●	●		
K	铸铁 Iron	●	●	✘	●	●	●	●	●	●	●	●	●	●	●		
N	铝/铜/镁/锌/塑料/木材 Aluminum/Copper/Magnesium/Zinc/Plastic/Wood	●	●	✘	●	●	●	●	●	●	●	●	●	●	●		
S	硬质合金/粉末冶金 Carbide/Powder Metallurgy	●	●	✘	●	●	●	●	●	●	●	●	●	●	●		
H	钛/高温合金/碳纤维 Titanium/Superalloy/Carbon Fiber	●	●	✘	●	●	●	●	●	●	●	●	●	●	●		
用途: 切槽加工	尺寸标示	产品图片	规格型号	尺寸 Dimension				应用: Application									
				W	B	A	L	H	∅d	LOD	CBN-K	CBN-S	ZN60	ZK01	ZC250	ZP152	ZP153
			6GR	100 150 200	1.0 1.5 2.0	1.5 1.5 1.5	5.56 6.44 2.34	2.34	2.3		●	●	●	●	●	●	●
			7GR	100 150 200	1.0 1.5 2.0	1.5 1.5 1.5	7.36 3.08 2.58	2.58			●	●	●	●	●	●	●
			8GR	100 150 200 250 300 350	1.0 1.5 2.0 2.5 3.0 3.5	1.5 2.0 2.0 2.0 2.0 2.0	5.56 10.2 3.87 2.58	2.58			●	●	●	●	●	●	●
			9GR	100 150 200 250 300 350	1.0 1.5 2.0 2.5 3.0 3.5	1.5 2.0 3.0 3.0 3.0 3.0	6.35 13.0 4.66 2.86	2.86			●	●	●	●	●	●	●
			15GR	100 150 200 250 300 350 400 450 500	1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0	1.5 2.0 3.0 3.0 3.0 3.0 4.0 4.0 5.0	9.2 20.8 5.1 4.8	4.8			●	●	●	●	●	●	●

		切削形态: Cutting Environment				应用: Application											
		● 稳定切削 Stable Cutting	● 一般切削 General Cutting	✘ 不稳定切削 Unstable Cutting													
P	钢 Steel	●	●	✘	●	●	●	●	●	●	●	●	●	●	●		
M	不锈钢 Stainless Steel	●	●	✘	●	●	●	●	●	●	●	●	●	●	●		
K	铸铁 Iron	●	●	✘	●	●	●	●	●	●	●	●	●	●	●		
N	铝/铜/镁/锌/塑料/木材 Aluminum/Copper/Magnesium/Zinc/Plastic/Wood	●	●	✘	●	●	●	●	●	●	●	●	●	●	●		
S	硬质合金/粉末冶金 Carbide/Powder Metallurgy	●	●	✘	●	●	●	●	●	●	●	●	●	●	●		
H	钛/高温合金/碳纤维 Titanium/Superalloy/Carbon Fiber	●	●	✘	●	●	●	●	●	●	●	●	●	●	●		
用途: 切槽加工	尺寸标示	产品图片	规格型号	尺寸 Dimension				应用: Application									
				W	B	A	L	H	∅d	LOD	CBN-K	CBN-S	ZN60	ZK01	ZC250	ZP152	ZP153
			6GL	100 150 200	1.0 1.5 2.0	1.5 1.5 1.5	5.56 6.44 2.34	2.34	2.3		●	●	●	●	●	●	●
			7GL	100 150 200	1.0 1.5 2.0	1.5 1.5 1.5	5.56 7.36 3.08	2.58			●	●	●	●	●	●	●
			8GL	100 150 200 250 300 350	1.0 1.5 2.0 2.5 3.0 3.5	1.5 2.0 2.0 2.0 2.0 2.0	5.56 10.2 3.87 2.58	2.58			●	●	●	●	●	●	●
			9GL	100 150 200 250 300 350	1.0 1.5 2.0 2.5 3.0 3.5	1.5 2.0 3.0 3.0 3.0 3.0	6.35 13.0 4.66 2.86	2.86			●	●	●	●	●	●	●
			15GL	100 150 200 250 300 350 400 450 500	1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0	1.5 2.0 3.0 3.0 3.0 3.0 4.0 4.0 5.0	9.2 20.8 5.1 4.8	4.8			●	●	●	●	●	●	●

SNGR



B..SNGR..



内孔切槽加工
Internal Grooving Processing

弹簧钢柄
Spring Steel

刀片 (Inserts): B176 零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions								刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	Dmin	Tmax	∅d	f	L1	L	H	R				L		
SNG R/L	0806J06	10	2	8	4.7	15	100	7	6GR/L	M2.2×4	T7	●	●	257500
	08J07	10	2	8	5.8	15	100	7	7GR/L			●	●	257502
	10K07	12	2	10	6.8	15	125	8	8GR/L			●	●	257504
	10K08	14	3.5	10	7.6	20	125	8	9GR/L	●	●	257506		
	12M08	16	3.5	12	8.6	20	150	11		M2.5×6	T8	●	●	257508
	16Q09	20	3.5	16	11.6	20	180	14.8				●	●	257510
20R09	25	3.5	20	13.6	20	200	18.4				●	●	257512	

弹簧钢防震刀杆 (防震效果>4倍柄径)

Spring Steel Shock-Proof Toolholder (Shock-Proof Effect > 4 Times Toolholder Diameter)

刀把型号 Ordering code	尺寸 Dimensions								刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	Dmin	Tmax	∅d	f	L1	L	H	R				L		
B-SNG R/L	0806J06	10	2	8	4.7	15	100	7	6GR/L	M2.2×4	T7	●	●	257520
	08J07	10	2	8	5.8	15	100	7	7GR/L			●	●	257522
	10K07	12	2	10	6.8	15	125	8	8GR/L			●	●	257524
	10K08	14	3.5	10	7.6	20	125	8	9GR/L	M2.5×6	T8	●	●	257526
	12M08	16	3.5	12	8.6	20	150	11				●	●	257528
	16N08	20	3.5	16	11.6	20	160	14.8				●	●	257530
12M09	16	3.5	12	8.6	20	150	11		M2.5×6	T8	●	●	257532	
16N09	20	3.5	16	11.6	20	160	14.8				●	●	357534	
20Q09	25	3.5	20	13.6	20	180	18.4				●	●	357536	

车削刀柄

CSV 凸轮车床刀具

DS 刀柄

正面排刀

Y轴刀柄

前车削

后车削

小径切槽切纹螺纹

小孔加工

滚花车花

焊接车刀夹头

外圆车削

内孔车削

螺纹车削

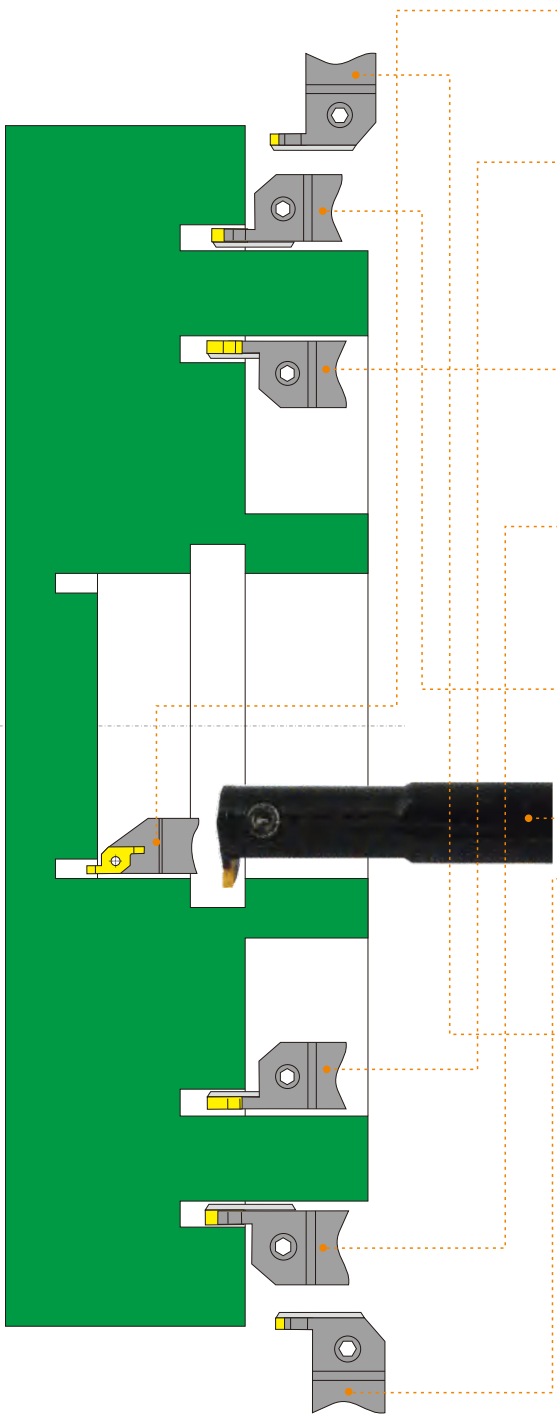
切槽切断

端面切槽

阻尼模组

端面切槽车削加工系统
End Face Grooving Turning System

- 车削刀柄
- CSV 凸轮车削刀具
- DS 刀柄
- 正面排刀
- Y轴刀柄
- 前车削
- 后车削
- 小径切槽切断螺纹
- 小孔加工
- 滚花车花
- 焊接车刀夹头
- 外圆车削
- 内孔车削
- 螺纹车削
- 切槽切断
- 端面切槽
- 阻尼模组

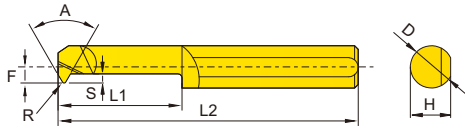


	CBSNR B186 适用刀片 SNMF... 刀柄尺寸 Ø20-Ø25 端面圆弧倒角加工		C..Q.DR B186 适用刀片 ZR... 刀柄尺寸 Ø40-Ø50 轮毂铝材加工 Processing of wheel hub 铝合金汽车轮毂
	SMFR AB57 端面 刀柄尺寸 Ø6-Ø10 小孔端面切槽		SMVR AB57 深孔端面切槽 适用刀片 CSV...
	SGIEFR B182 小孔端面切槽 适用刀片 VC...		SGIVFR B181 小孔端面切槽 适用刀片 VC...
	B-SGIVFR B181 小孔端面切槽 适用刀片 VC...		MFHR B181 小孔端面切槽 适用刀片 MGMN...
	MGAA..R B193 端面切槽加工 适用刀片 MGMN... 刀柄尺寸 Ø20-Ø25 端面切槽加工		MGFR..R B189 内孔端面切槽加工 适用刀片 MFMN... 刀柄尺寸 Ø20-Ø25 内孔端面切槽加工
	MGAA..L B198 端面切槽加工 适用刀片 MGMN... 刀柄尺寸 Ø20-Ø25 端面切槽加工		MGFR..L B189 内孔端面切槽加工 适用刀片 MFMN... 刀柄尺寸 Ø20-Ø25 内孔端面切槽加工
	MGHH..R B195 端面切槽加工 适用刀片 MGMN... 刀柄尺寸 Ø20-Ø25 端面切槽加工		MGFR..L B190 端面切槽加工 适用刀片 MFMN... 刀柄尺寸 Ø20-Ø25 端面切槽加工
	FGHH..R B187 端面切槽加工 适用刀片 FMM... 刀柄尺寸 Ø20-Ø25 端面切槽加工		QF..R B191 端面切槽加工 适用刀片 Z... 刀柄尺寸 Ø20-Ø25 端面切槽加工
	SEGEL B182 小径端面切槽加工 适用刀片 GER... 刀柄尺寸 Ø10-Ø32 小径端面切槽加工		SMFL AB57 小径端面切槽加工 适用刀片... 刀柄尺寸 Ø6-Ø10 小径端面切槽加工
	MGHH..L B196 端面切槽加工 适用刀片 MGMN... 刀柄尺寸 Ø20-Ø25 端面切槽加工		MGFR..L B190 端面切槽加工 适用刀片 MFMN... 刀柄尺寸 Ø20-Ø25 端面切槽加工
	FGHH..R B187 端面切槽加工 适用刀片 FMM... 刀柄尺寸 Ø20-Ø25 端面切槽加工		QF..R B191 端面切槽加工 适用刀片 Z... 刀柄尺寸 Ø20-Ø25 端面切槽加工
	SSACN B186 端面切槽加工 适用刀片 SC... 刀柄尺寸 Ø20-Ø25 端面切槽加工		SSACN B1186 端面切槽加工 适用刀片 SC... 刀柄尺寸 Ø20-Ø25 端面切槽加工
	MGFR..R B193 端面切槽加工 适用刀片 MGMN... 刀柄尺寸 Ø20-Ø25 端面切槽加工		MGFR..R B190 端面切槽加工 适用刀片 MFMN... 刀柄尺寸 Ø20-Ø25 端面切槽加工
	FGVR..R B188 端面切槽加工 适用刀片 FMM... 刀柄尺寸 Ø20-Ø25 端面切槽加工		
	MGFR..L B194 端面切槽加工 适用刀片 MGMN... 刀柄尺寸 Ø20-Ø25 端面切槽加工		MGFR..R B190 端面切槽加工 适用刀片 MFMN... 刀柄尺寸 Ø20-Ø25 端面切槽加工
	MGVR..L B194 端面切槽加工 适用刀片 FMM... 刀柄尺寸 Ø20-Ø25 端面切槽加工		
	MGIVR B143 适用刀片 MGMN... 刀柄尺寸 Ø16-Ø40 内孔切槽加工		B-MGIVR B143 适用刀片 MGMN... 刀柄尺寸 Ø16-Ø40 内孔切槽加工
	KIGMR B151 适用刀片 GMM... 刀柄尺寸 Ø16-Ø32 内孔切槽加工		TTIR B150 适用刀片 TD... 刀柄尺寸 Ø16-Ø40 内孔切槽加工
	C-QE..R B154 适用刀片 Z... 刀柄尺寸 Ø20-Ø40 内孔切槽加工		S-SGBR B164 适用刀片 GBA... 刀柄尺寸 Ø16-Ø32 内孔切槽加工
	SIGER B175 适用刀片 GER... 刀柄尺寸 Ø6-Ø32 内孔切槽加工		B-SIGER B175 适用刀片 GER... 刀柄尺寸 Ø6-Ø32 内孔切槽加工
	SNGR B175 适用刀片 GR... 刀柄尺寸 Ø6-Ø20 内孔切槽加工		B-SNGR B175 适用刀片 ..GR... 刀柄尺寸 Ø6-Ø20 内孔切槽加工
	S-KTGFR B168 适用刀片 TGF... 刀柄尺寸 Ø16-Ø32 内孔切槽加工		B-S-KTGFR B168 适用刀片 TGF... 刀柄尺寸 Ø16-Ø25 内孔切槽加工

端面/内孔切槽加工

端面/内孔切槽车刀 End Face / Internal Grooving Tool

MIR 内孔牙刀 60°/55° Internal Hole Thread Processing



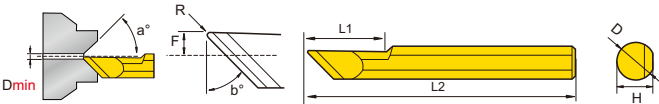
A=60°牙型公制/美制螺纹 60° Profile Angle Metric / American Thread

规格型号 Model	F	L1	L2	D	美制螺纹 American	公制 Metric	螺距 Pitch	加工直径 Processing Diameter	价格 (RMB)
MIR 1 L5 A60-D3	0.55	5	39	D3	100-72	M1.6	0.25	0.35	1.2mm
MIR 1.5 L6 A60-D3	0.65	6	39	D3	72-56	M2	0.35	0.45	1.4mm
MIR 2 L8 A60-D3	1.0	8	39	D3	56-32	M2.5	0.45	0.7	2.1mm
MIR 3 L15A60-D3	1.4	15	39	D3	32-24	M4	0.7	1.0	3.2mm
MIR 4 L15A60-D4	1.8	15	51	D4	32-24	M5/M6	0.8	1.0	4.1mm
MIR 5 L15A60-D5	2.3	15	51	D5	24-20	M8	1.0	1.25	5.1mm
MIR 5 L22A60-D5	2.3	22	51	D5	24-20	M8	1.0	1.25	5.1mm
MIR 6 L15A60-D6	2.6	15	51	D6	24-16	M10	1.0	1.5	6.0mm
MIR 6 L22A60-D6	2.6	22	51	D6	24-16	M10	1.0	1.5	6.0mm
MIR 8 L22A60-D8	3.6	22	64	D8	24-13	M12	1.0	2.0	8.0mm

A=55°牙型英制螺纹 55° Profile Angle Inch Thread

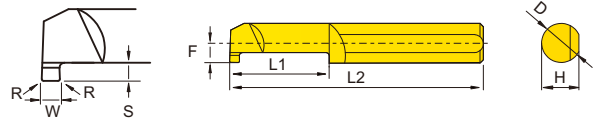
规格型号 Model	F	L1	L2	D	螺距 Pitch	加工直径 Processing Diameter	价格 (RMB)	
MIR 3L15A55-D3	1.4	15	39	D3	48-24	0.5	1.0	3.2mm
MIR 4L15A55-D4	1.8	15	51	D4	48-24	0.5	1.0	4.1mm
MIR 5L15A55-D5	2.3	15	51	D5	48-20	0.5	1.25	5.1mm
MIR 5L22A55-D5	2.3	22	51	D5	48-20	0.5	1.25	5.1mm
MIR 6L15A55-D6	2.6	15	51	D6	48-16	0.5	1.5	6.0mm
MIR 6L22A55-D6	2.6	22	51	D6	48-16	0.5	1.5	6.0mm

MWR 端面倒角及仿形加工 End Chamfer and Profiling



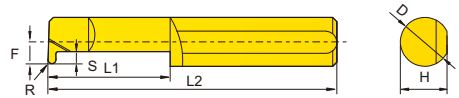
规格型号 Model	F	a°	b°	R	L1	L2	H	D	加工直径 Processing Diameter	价格 (RMB)
MWR 6R0.2 A90-D6	2.3	45°	45°	0.2	15	51	5.7	6.0	1.0mm	
MWR 6R0.2 A60-D6	2.3	60°	30°	0.2	15	51	5.7	6.0	1.0mm	

MGR 内孔槽刀 Internal Hole Grooving



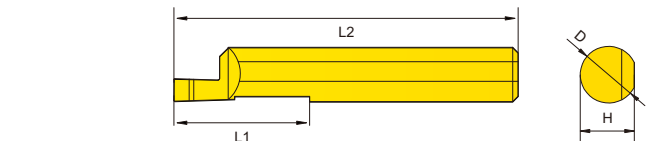
规格型号 Model	F	W	S	L1	L2	D	加工直径 Processing Diameter	价格 (RMB)
MGR 3B0.7L10-D3	1.3	0.7	0.6	10	39	D3	3.1mm	
MGR 4B1.0L10-D4	1.7	1.0	1.0	10	51	D4	4.1mm	
MGR 4B1.5L10-D4	1.7	1.5	1.0	10	51	D4	4.1mm	
MGR 5B1.0L15-D5	2.3	1.0	1.2	15	51	D5	5.1mm	
MGR 5B1.5L15-D5	2.3	1.5	1.2	15	51	D5	5.1mm	
MGR 5B2.0L15-D5	2.3	2.0	1.2	15	51	D5	5.1mm	
MGR 6B1.0L15-D6	2.8	1.0	1.4	15	51	D6	6.1mm	
MGR 6B1.5L15-D6	2.8	1.5	1.4	15	51	D6	6.1mm	
MGR 6B2.0L15-D6	2.8	2.0	1.4	15	51	D6	6.1mm	
MGR 8B1.0L22-D8	3.8	1.0	1.7	22	64	D8	8.1mm	
MGR 8B1.5L22-D8	3.8	1.5	1.7	22	64	D8	8.1mm	
MGR 8B2.0L22-D8	3.8	2.0	2.6	22	64	D8	8.1mm	

MKR 内孔圆槽刀 Inner Hole Round-Head Grooving



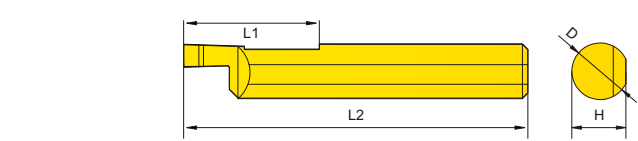
规格型号 Model	F	W	S	L1	L2	D	加工直径 Processing Diameter	价格 (RMB)
MKR 4R0.5 L10-D4	1.7	R0.5	1.0	10	51	D4	4.1mm	
MKR 4R0.75 L10-D4	1.7	R0.75	1.0	10	51	D4	4.1mm	
MKR 5R0.5 L15-D5	2.3	R0.5	1.2	15	51	D5	5.1mm	
MKR 5R0.75 L15-D5	2.3	R0.75	1.2	15	51	D5	5.1mm	
MKR 5R1.0 L15-D5	2.3	R1.0	1.2	15	51	D5	5.1mm	
MKR 6R0.5 L15-D6	2.8	R0.5	1.6	15	51	D6	6.1mm	
MKR 6R0.75 L15-D6	2.8	R0.75	1.6	15	51	D6	6.1mm	
MKR 6R1.0 L15-D6	2.8	R1.0	1.6	15	51	D6	6.1mm	

MFR 右端面槽刀 Right End Face Grooving



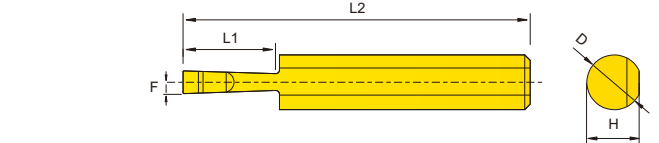
规格型号 Model	F	W	T	L1	L2	D	加工直径 Processing Diameter	价格 (RMB)
MFR 4B0.75 L15-D4	1.95	0.75	1.2	15	51	D4	5.0mm	
MFR 4B1.0 L15-D4	1.95	1.0	1.5	15	51	D4	5.0mm	
MFR 4B1.5 L15-D4	1.95	1.5	2.8	15	51	D4	5.0mm	
MFR 5B0.75 L22-D5	2.45	0.75	1.2	22	51	D5	6.0mm	
MFR 5B1.0 L22-D5	2.45	1.0	1.5	22	51	D5	6.0mm	
MFR 5B1.5 L22-D5	2.45	1.5	2.5	22	51	D5	6.0mm	
MFR 5B2.0 L22-D5	2.45	2.0	3.8	22	51	D5	6.0mm	
MFR 6B1.0 L22-D6	2.95	1.0	1.5	22	51	D6	8.0mm	
MFR 6B1.5 L22-D6	2.95	1.5	2.5	22	51	D6	8.0mm	
MFR 6B2.0 L22-D6	2.95	2.0	3.0	22	51	D6	8.0mm	
MFR 6B2.5 L22-D6	2.95	2.5	4.8	22	51	D6	8.0mm	
MFR 6B3.0 L30-D6	2.95	3.0	6.0	30	58	D6	8.0mm	
MFR 8B2.5 L22-D8	3.95	2.5	3.5	22	64	D8	10.0mm	

MFL 左端面槽刀 Left End Face Grooving



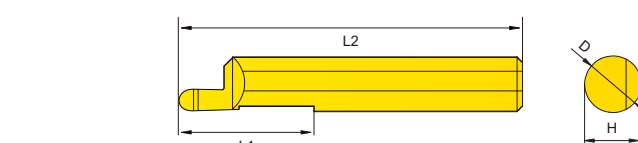
规格型号 Model	F	W	T	L1	L2	D	加工直径 Processing Diameter	价格 (RMB)
MFL 4B0.75 L15-D4	1.95	0.75	1.2	15	51	D4	5.0mm	
MFL 4B1.0 L15-D4	1.95	1.0	1.5	15	51	D4	5.0mm	
MFL 4B1.5 L15-D4	1.95	1.5	2.8	15	51	D4	5.0mm	
MFL 5B0.75 L22-D5	2.45	0.75	1.2	22	51	D5	6.0mm	
MFL 5B1.0 L22-D5	2.45	1.0	1.5	22	51	D5	6.0mm	
MFL 5B1.5 L22-D5	2.45	1.5	2.5	22	51	D5	6.0mm	
MFL 5B2.0 L22-D5	2.45	2.0	3.8	22	51	D5	6.0mm	
MFL 6B1.0 L22-D6	2.95	1.0	1.5	22	51	D6	8.0mm	
MFL 6B1.5 L22-D6	2.95	1.5	2.5	22	51	D6	8.0mm	
MFL 6B2.0 L22-D6	2.95	2.0	3.0	22	51	D6	8.0mm	
MFL 6B2.5 L22-D6	2.95	2.5	4.8	22	51	D6	8.0mm	
MFL 6B3.0 L30-D6	2.95	3.0	6.0	30	58	D6	8.0mm	
MFL 8B2.5 L22-D8	3.95	2.5	3.5	22	64	D8	10.0mm	

MVR 深端面槽刀 Deepen End Face Grooving



规格型号 Model	L1	W	R	D	L2	F	加工直径 Processing Diameter	价格 (RMB)
MVR 6B2.0 L15-D6	15	2.0	0.2	6.0	64	1.1	12.0mm	
MVR 6B2.0 L22-D6	22	2.0	0.2	6.0	64	1.1	12.0mm	
MVR 6B2.5 L22-D6	22	2.5	0.2	6.0	64	1.4	12.0mm	
MVR 8B3.0 L27-D8	27	3.0	0.2	8.0	64	1.6	15.0mm	
MVR 8B3.0 L43-D8	43	3.0	0.2	8.0	80	1.6	15.0mm	
MVR 8B3.0 L43-D8	43	3.0	0.2	8.0	80	2.1	20.0mm	

MZR 右端面圆头槽刀 Right End Face Round head Grooving



规格型号 Model	F	W	T	L1	L2	D	加工直径 Processing Diameter	价格 (RMB)
MZR 4R0.5 L15-D4	1.95	R0.5	1.2	15	51	D4	5.0mm	
MZR 4R0.75 L15-D4	1.95	R0.75	1.5	15	51	D4	5.0mm	
MZR 5R0.5 L22-D5	2.45	R0.5	1.2	22	51	D5	6.0mm	
MZR 5R0.75 L22-D5	2.45	R0.75	1.5	22	51	D5	6.0mm	
MZR 5R1.0 L22-D5	2.45	R1.0	2.0	22	51	D5	6.0mm	
MZR 6R0.5 L22-D6	2.95	R0.5	1.2	22	51	D6	8.0mm	
MZR 6R0.75 L22-D6	2.95	R0.75	1.5	22	51	D6	8.0mm	
MZR 6R1.0 L22-D6	2.95	R1.0	2.5	22	51	D6	8.0mm	

车削
车刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

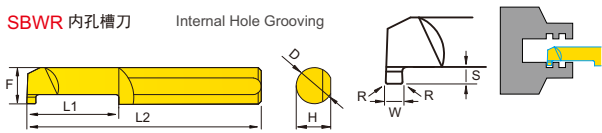
螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

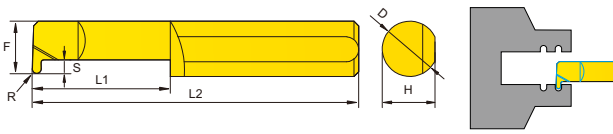
SBWR 内孔槽刀 Internal Hole Grooving



单位 (Unit): mm

规格型号 Model	W	S	L1	R	F	D	L2	H	库存 Stock	加工直径 ≥ Processing Diameter	订购编号 Order No.
SBWR05100R005-D4	0.5	1.0	10	0.05	3.8	D4	50	3.7	○	4mm	207241
SBWR08100R005-D4	0.8	1.0	10	0.05	3.8	D4	50	3.7	○	4mm	207242
SBWR10100R005-D4	1.0	1.5	10	0.05	3.8	D4	50	3.7	○	4mm	207243
SBWR15100R005-D4	1.5	1.5	10	0.05	3.8	D4	50	3.7	○	4mm	207244
SBWR10100R010-D5	1.0	1.5	10	0.1	4.8	D5	50	4.7	○	5mm	207245
SBWR12100R010-D5	1.2	1.5	10	0.1	4.8	D5	50	4.7	○	5mm	207246
SBWR15100R010-D5	1.5	2.0	10	0.1	4.8	D5	50	4.7	○	5mm	207247
SBWR20100R010-D5	2.0	2.0	10	0.1	4.8	D5	50	4.7	○	5mm	207248
SBWR10120R015-D6	1.0	2.0	12	0.15	5.8	D6	50	5.7	○	6mm	207249
SBWR15120R015-D6	1.5	2.0	12	0.15	5.8	D6	50	5.7	○	6mm	207250
SBWR20120R015-D6	2.0	2.0	12	0.15	5.8	D6	50	5.7	○	6mm	207251
SBWR25160R015-D6	2.5	2.5	16	0.15	5.8	D6	50	5.7	○	6mm	207252
SBWR15160R015-D8	1.5	2.0	16	0.15	7.8	D8	50	7.7	○	8mm	207253
SBWR20160R015-D8	2.0	3.0	16	0.15	7.8	D8	50	7.7	○	8mm	207254
SBWR25160R015-D8	2.5	3.0	16	0.15	7.8	D8	50	7.7	○	8mm	207255

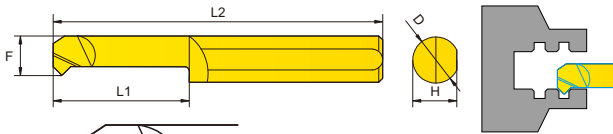
SBKR 内孔圆槽刀 Inner Hole Round-Head Grooving



单位 (Unit): mm

规格型号 Model	F	S	L1	R	D	L2	H	库存 Stock	加工直径 ≥ Processing Diameter	订购编号 Order No.
SBKR40100R050-D4	3.8	1.0	10	0.5	D4	50	3.7	○	4mm	207261
SBKR40100R075-D4	3.8	1.0	10	0.75	D4	50	3.7	○	4mm	207262
SBKR60150R050-D6	5.8	1.5	15	0.5	D6	50	5.7	○	6mm	207263
SBKR60150R075-D6	5.8	1.5	15	0.75	D6	50	5.7	○	6mm	207264
SBKR80150R100-D6	5.8	1.5	15	1.0	D6	50	5.7	○	6mm	207265

SBRCR 内孔镗及倒角-刀尖 90° Boring + Chamfering 45°



单位 (Unit): mm

规格型号 Model	F	L1	S	R	D	L2	H	库存 Stock	加工直径 ≥ Processing Diameter	订购编号 Order No.
SBRCR30100R020-D4	2.8	10	0.5	0.2	D4	50	3.7	○	4mm	207321
SBRCR40150R020-D4	3.7	15	0.8	0.2	D4	50	3.7	○	4mm	207322
SBRCR50150R020-D5	4.7	15	1.2	0.2	D5	50	4.7	○	5mm	207323
SBRCR60150R020-D6	5.7	15	1.5	0.2	D6	50	5.7	○	6mm	207324

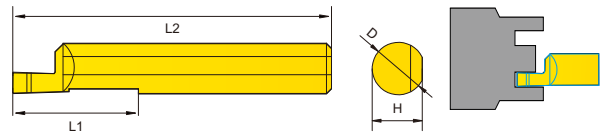
SBDR 内孔镗+倒角+切槽 Boring + Chamfering + Grooving



单位 (Unit): mm

规格型号 Model	F	L1	S	R	D	L2	H	W	库存 Stock	加工直径 ≥ Processing Diameter	订购编号 Order No.
SBDR40100R020-D4	3.8	10.0	0.8	0.2	D4	50	3.7	1.5	○	4mm	207331
SBDR50150R020-D5	4.8	15.0	1.2	0.2	D5	50	4.7	1.5	○	5mm	207332
SBDR60150R020-D6	5.8	15.0	1.4	0.2	D6	50	5.7	1.5	○	6mm	207333

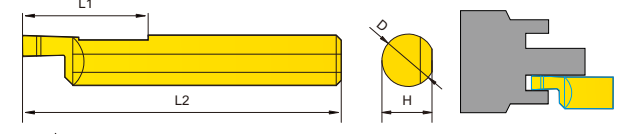
SMFR 右端面槽刀 Right End Face Grooving



单位 (Unit): mm

规格型号 Model	F	L1	T	W	R	D	L2	H	库存 Stock	加工直径 ≥ Processing Diameter	订购编号 Order No.
SMFR60150W0.75-D6	2.95	15	1.5	0.75	0.1	D6	50	5.7	○	8.0	207271
SMFR60150W1.0-D6	2.95	15	2.0	1.0	0.1	D6	50	5.7	○	8.0	207272
SMFR80200W2.0-D8	3.95	20	4.0	2.0	0.2	D8	50	7.7	○	10.0	207273
SMFR80200W2.5-D8	3.95	20	5.0	2.5	0.2	D8	50	7.7	○	10.0	207274
SMFR80200W3.0-D8	3.95	20	6.0	3.0	0.2	D8	50	7.7	○	10.0	207275

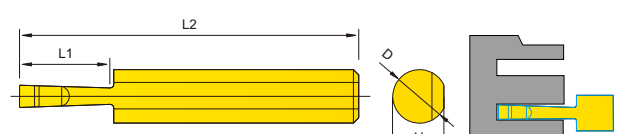
SMFL 左端面槽刀 Left End Face Grooving



单位 (Unit): mm

规格型号 Model	F	L1	T	W	R	D	L2	H	库存 Stock	加工直径 ≥ Processing Diameter	订购编号 Order No.
SMFL60150W0.75-D6	2.95	15	1.5	0.75	0.1	D6	50	5.7	○	8.0	207281
SMFL60150W1.0-D6	2.95	15	2.0	1.0	0.1	D6	50	5.7	○	8.0	207282
SMFL80200W2.0-D8	3.95	20	4.0	2.0	0.2	D8	50	7.7	○	8.0	207283
SMFL80200W2.5-D8	3.95	20	5.0	2.5	0.2	D8	50	7.7	○	10.0	207284
SMFL80200W3.0-D8	3.95	20	6.0	3.0	0.2	D8	50	7.7	○	10.0	207285

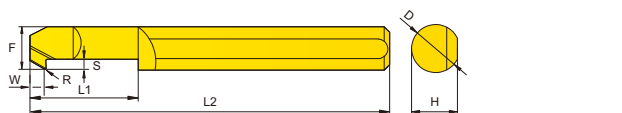
SMVR 深端面槽刀 Deepen End Face Grooving



单位 (Unit): mm

规格型号 Model	L1	W	R	D	L2	H	库存 Stock	加工直径 ≥ Processing Diameter	订购编号 Order No.
SMVR10150W2.0-D10	15	2.0	0.2	D10	50	9	○	15	207291
SMVR10150W3.0-D10	15	3.0	0.2	D10	50	9	○	15	207292
SMVR10150W4.0-D10	15	4.0	0.2	D10	50	9	○	15	207293

SBXR 内孔勾刀 Back Boring Cutter



单位 (Unit): mm

规格型号 Model	F	W	S	L1	R	D	L2	H	库存 Stock	加工直径 ≥ Processing Diameter	订购编号 Order No.
SBXR40100R010-D4	3.8	1.5	1.0	10	0.1	D4	50	3.7	○	4mm	207335
SBXR50150R015-D5	4.8	2.0	1.5	15	0.15	D5	50	4.7	○	5mm	207336
SBXR60200R020-D6	5.8	2.0	2.0	20	0.2	D6	50	5.7	○	6mm	207337

车削
车柄

CSV
凸轮
车削
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

IFR

内孔切槽

端面切槽

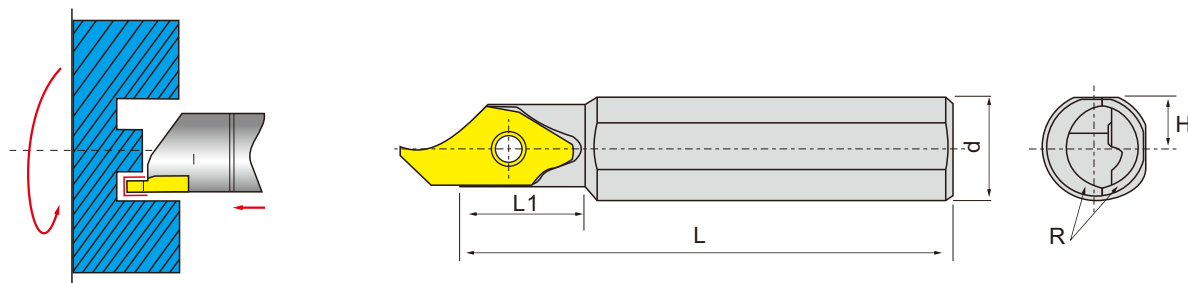
深槽加工

用途 Application	尺寸标示 Dimensioning	规格型号 Specification	尺寸 Dimension					PCD	CBN/K	CBN/S	CBN/S	ZK01	ZC250	ZC251	ZP152	ZP153	
			W	rε	T	B	H										
切槽加工 Grooving		MIFR08- 150R0.2	1.5	0.2	5.7	11	6.5										
		160R0.8	1.6	0.5	5.7	11	6.5										
		200R0.2	2.0	0.2	5.7	11	6.5										
		220R0.2	2.2	0.2	5.7	11	6.5										
		MIFR10- 200R0.2	2.0	0.2	9.0	14.8	7.6										
		200R1.0	2.0	1.0	9.0	14.8	7.6										
		250R0.2	2.5	0.2	9.0	14.8	7.6										
		300R0.2	3.0	0.2	9.0	14.8	7.6										
		300R1.5	3.0	1.5	9.0	14.8	7.6										

MSIFHR

内孔端面槽加工

Machining of End Face Grooving of Inner Hole



工件旋转方向
Workpiece Rotation Direction

刀片 (Inserts): B180 零配件 (Toolholder Parts): P03-P05

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number	Price (RMB)	
	øDmin	ød	R	L1	L	H				R	L			
MSIFHR	8SC-8	8	8	3.8	12	75	3.5	MIFR08	M2.0×6	T8	●	●		
	10H08	8	10	3.8	13	100	4.5				●	●		
	12H08	8	12	3.8	13	100	5.5				●	●		
	12H10	10	12	4.6	17	100	5.5	MIFR10	M3.0×8	T10	●	●		
	16K10	10	16	4.6	17	125	7.5				●	●		
20M10	10	20	4.6	17	150	9.0	●				●			

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

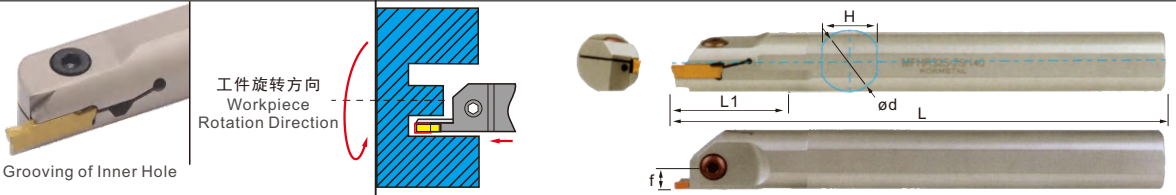
螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

MFHR



刀片 (Inserts): A45-A46 零配件 (Toolholder Parts): P03-P05

图示方向 (R) R-Type

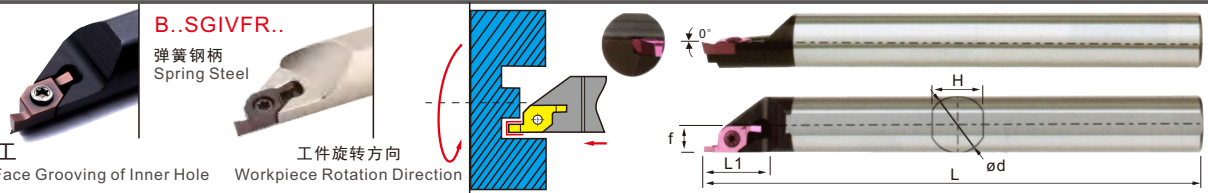
刀把型号 Ordering code	尺寸 Dimensions							螺丝 Screw	扳手 Wrench	刀片 Insert	Stock		Order Number
	øDmin	ød	f	L	H	Dmin	Dmax				R	L	
MFH216R/L 06-20/140	6	16	8.3	160	14.8	20	140	M4×10	L3	MGMN200..	●	●	255660
	8	16	8.3	160	14.8	20	140				●	●	255661
MFH220R/L 06-25/140	6	20	10.3	180	18.4	26	140	M5×12	L4	MGMN200..	●	●	255662
	8	20	10.3	180	18.4	26	140				●	●	255663
MFH225R/L 06-25/140	6	25	12.8	200	23.4	28	140	M5×16	L4	MGMN200..	●	●	255664
	8	25	12.8	200	23.4	28	140				●	●	255665
MFH316R/L 06-20/140	6	16	8.3	160	14.8	20	140	M4×10	L3	MGMN200..	●	●	255666
	8	16	8.3	160	14.8	20	140				●	●	255667
MFH320R/L 06-25/140	6	20	10.3	180	18.4	26	140	M5×12	L4	MGMN300..	●	●	255668
	8	20	10.3	180	18.4	26	140				●	●	255669
	10	20	10.3	180	18.4	26	140				●	●	255670
MFH325R/L 06-25/140	6	25	12.8	200	23.4	28	140	M5×16	L4	MGMN300..	●	●	255671
	8	25	12.8	200	23.4	28	140				●	●	255672
	10	25	12.8	200	23.4	28	140				●	●	255673
MFH332R/L 06-32/200	6	32	16.3	250	30	35	200	M6×20	L5	MGMN300..	●	●	255674
	8	32	16.3	250	30	35	200				●	●	255675
	10	32	16.3	250	30	35	200				●	●	255676
MFH420R/L 08-25/140	8	20	10.3	180	18.4	26	140	M5×12	L4	MGMN400..	●	●	255677
	10	20	10.3	180	18.4	26	140				●	●	255678
	12	20	10.3	180	18.4	26	140				●	●	255679
MFH425R/L 08-25/140	8	25	12.8	200	23.4	28	140	M5×16	L4	MGMN400..	●	●	255680
	10	25	12.8	200	23.4	28	140				●	●	255681
	12	25	12.8	200	23.4	28	140				●	●	255682
MFH432R/L 08-32/200	8	32	16.3	250	30	35	200	M6×20	L5	MGMN400..	●	●	255683
	10	32	16.3	250	30	35	200				●	●	255684
	12	32	16.3	250	30	35	200				●	●	255685
MFH440R/L 08-40/500	8	40	20.3	300	38	41	500	M8×25	L6	MGMN400..	●	●	255686
	10	40	20.3	300	38	41	500				●	●	255687
	12	40	20.3	300	38	41	500				●	●	255688
MFH540R/L 15-40/500	15	40	20.3	300	38	41	500	M8×25	L6	MGMN500..	●	●	255689

VC 1604

内孔切槽
端面切槽
浅槽加工

用途 Application	尺寸标示 Dimensioning	规格型号 Specification	尺寸 Dimension						应用范围											
			W	rε	T	B	H	θ	PCD	CBN-K	CBN-S	CBN-6	ZN10	ZN250	ZN251	ZN152	ZN153			
切槽加工 Grooving		VC1604R 100	1.0	0.05	3.5															
		150	1.5	0.1	3.5															
		200	2.0	0.1	3.5	20.6	7.4	7°												
		250	2.5	0.2	4.5															
		300	3.0	0.2	4.5															

SGIVFR



刀片 (Inserts): B181 零配件 (Toolholder Parts): P03-P05

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number	
	øDmin	ød	f	L1	L	H				R	L		
SGIVFR 16N16	17	16	8	30	160	14.8	VC1604R..	M4×10	T15	●	●	255690	
	20Q16	21	20	10	30	180				18.4	●	●	255691
	25R16	26	25	12.5	30	200				23.4	●	●	255692
弹簧钢防震刀杆 (防震效果>4倍柄径) Spring Steel Shock-Proof Toolholder (Shock-Proof Effect > 4 Times Toolholder Diameter)													
B-SGIVFR	10K11	11	10	5.5	12	125	9	VC1103R..	M2.5×6	T8	●	○	255693
	12M11	13	12	6.5	12	150	11				●	○	255694
	16N16	17	16	8.5	20	160	14.8	VC1604R..	M4×10	T15	●	○	255695
	20Q16	21	20	10.5	20	180	18.4				●	○	255696
	25R16	26	25	13	20	200	23.4				●	○	255697

端面切槽加工

端面切槽车刀 End Face Grooving Tool

GER

小零件

端面切槽

内孔切槽

Cutting Environment		● 稳定切削 Stable Cutting		● 一般切削 General Cutting		✘ 不稳定切削 Unstable Cutting	
P	钢 Steel	●	●	●	●	●	●
M	不锈钢 Stainless Steel	●	●	●	●	●	●
K	铸铁 Iron	●	●	●	●	●	●
N	铝/铜/镁/锌/塑料/木材 Aluminum/Copper/Magnesium/Zinc/Plastic/Wood	●	●	●	●	●	●
S	硬质合金/粉末冶金 Carbide/Powder Metallurgy	●	●	●	●	●	●
H	钛/高温合金/碳纤维 Titanium/Superalloy/Carbon Fiber	●	●	●	●	●	●

用途 Application	尺寸标示 Dimensioning	产品图片 Product Image	规格型号 Specification	尺寸 Dimension							P	M	K	N	S	H			
				W	r _c	B	A	L	∅d	∅D									
端面切槽加工 End Face Grooving			GER 100DM06-D 150DM10-D 200DM10-D 250DM15-D 300DM15-D 400DM15-D	1.0	0.05	2.5						●	●	●	●	●	●	●	
				1.5	0.1	2.8						●	●	●	●	●	●	●	●
				2.0	0.1	3.5						●	●	●	●	●	●	●	●
				2.5	0.2	4.5	6.8	16.4	3.4			●	●	●	●	●	●	●	●
				3.0	0.2	4.5						●	●	●	●	●	●	●	●
端面切槽加工 End Face Grooving			GER 150DM10R075-D 200DM10R100-D 250DM15R125-D 300DM15R150-D 400DM15R200-D	1.5	0.75	2.5						●	●	●	●	●	●		
				2.0	1.0	3.5						●	●	●	●	●	●	●	
				2.5	1.25	4.5						●	●	●	●	●	●	●	●
				3.0	1.5	4.5	6.8	16.4	3.4			●	●	●	●	●	●	●	●
				4.0	2.0	4.5						●	●	●	●	●	●	●	●

Cutting Environment		● 稳定切削 Stable Cutting		● 一般切削 General Cutting		✘ 不稳定切削 Unstable Cutting	
P	钢 Steel	●	●	●	●	●	●
M	不锈钢 Stainless Steel	●	●	●	●	●	●
K	铸铁 Iron	●	●	●	●	●	●
N	铝/铜/镁/锌/塑料/木材 Aluminum/Copper/Magnesium/Zinc/Plastic/Wood	●	●	●	●	●	●
S	硬质合金/粉末冶金 Carbide/Powder Metallurgy	●	●	●	●	●	●
H	钛/高温合金/碳纤维 Titanium/Superalloy/Carbon Fiber	●	●	●	●	●	●

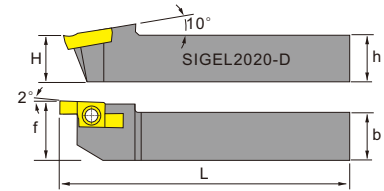
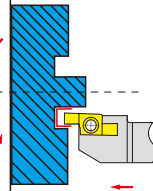
用途 Application	尺寸标示 Dimensioning	产品图片 Product Image	规格型号 Specification	尺寸 Dimension							P	M	K	N	S	H				
				W	r _c	B	A	L	∅d	∅D										
端面切槽加工 End Face Grooving			GER 150DM10-E 200DM10-E 250DM15-E 300DM15-E 400DM15-E 500DM15-E	1.5	0.1	3.6						●	●	●	●	●	●	●		
				2.0	0.1	4.8						●	●	●	●	●	●	●	●	
				2.5	0.2	6.0						●	●	●	●	●	●	●	●	●
				3.0	0.2	6.5	9.54	21.7	4.4			●	●	●	●	●	●	●	●	●
				4.0	0.2	6.5						●	●	●	●	●	●	●	●	●
端面切槽加工 End Face Grooving			GER 150DM10R075-E 200DM10R100-E 250DM15R125-E 300DM15R150-E 400DM15R200-E 500DM15R250-E	1.5	0.75	3.6						●	●	●	●	●	●	●		
				2.0	1.0	4.8						●	●	●	●	●	●	●	●	
				2.5	1.25	6.0						●	●	●	●	●	●	●	●	●
				3.0	1.5	6.5	9.54	21.7	4.4			●	●	●	●	●	●	●	●	●
				4.0	2.0	6.5						●	●	●	●	●	●	●	●	●

SGEL

端面槽加工 Machining of End Face Grooving

刀片 (Inserts): B182 零配件 (Toolholder Parts): P03-P05

工件旋转方向
Workpiece Rotation Direction



刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	∅Dmin	h	f	b	H	L				R	L	
SGEL 1010H-D	6.0	10	10	10	10	100	GER..D	M3×10	T10	○	●	257651
1212H-D	6.0	12	12	12	12	100				○	●	257652
1616K-D	6.0	16	16	16	16	125				○	●	257653
2020K-D	6.0	20	20	20	20	125				○	●	257654
2525M-D	6.0	25	25	25	25	150				○	●	257655
SGEL 1616H-E	10.0	16	16	16	16	100	GER..E	M4×10	T15	○	●	257657
2020K-E	10.0	20	20	20	20	125				○	●	257658
2525M-E	10.0	25	25	25	25	150				○	●	257659
3232M-E	10.0	32	32	32	32	150				○	●	257660

用途 Application	尺寸标示 Dimensioning	产品图片 Product Image	规格型号 Specification	尺寸 Dimension							P	M	K	N	S	H				
				W	r _c	B	A	L	∅d	∅D										
端面切槽加工 End Face Grooving			GEL 150DM10-E 200DM10-E 250DM15-E 300DM15-E 400DM15-E 450DM15-E 500DM15-E	1.5	0.1	3.6						●	●	●	●	●	●	●		
				2.0	0.1	4.8						●	●	●	●	●	●	●	●	
				2.5	0.2	6.0						●	●	●	●	●	●	●	●	●
				3.0	0.2	6.5	9.54	21.7	4.4			●	●	●	●	●	●	●	●	●
				4.0	0.2	6.5						●	●	●	●	●	●	●	●	●

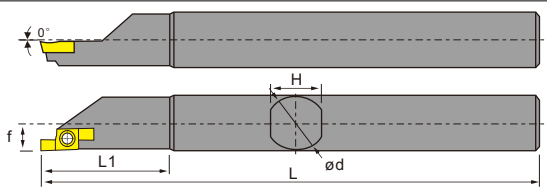
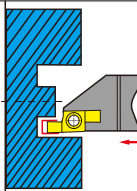
用途 Application	尺寸标示 Dimensioning	产品图片 Product Image	规格型号 Specification	尺寸 Dimension							P	M	K	N	S	H				
				W	r _c	B	A	L	∅d	∅D										
端面切槽加工 End Face Grooving			GEL 150DM10R075-E 200DM10R100-E 250DM15R125-E 300DM15R150-E 400DM15R200-E 500DM15R250-E	1.5	0.75	3.6						●	●	●	●	●	●	●		
				2.0	1.0	4.8						●	●	●	●	●	●	●	●	
				2.5	1.25	6.0						●	●	●	●	●	●	●	●	●
				3.0	1.5	6.5	9.54	21.7	4.4			●	●	●	●	●	●	●	●	●
				4.0	2.0	6.5						●	●	●	●	●	●	●	●	●

SGIEFR

内孔端面槽加工 Machining of End Face Grooving of Inner Hole

刀片 (Inserts): B182 零配件 (Toolholder Parts): P03-P05

工件旋转方向
Workpiece Rotation Direction



刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	∅Dmin	∅d	f	L1	L	H				R	L	
SGIEFR 0020K-E	10	20	10.3	30	125	19	GEL...DM..E	M4×10	T15	○	●	257661
0025M-E	10	25	12.8	30	150	24				○	●	257662

车削刀柄

CSV 凸床车刀具

DS 刀柄

正面排刀

Y轴刀柄

前车削

后车削

小径切槽切断螺纹

小孔加工

滚花车花

焊接车刀夹头

外圆车削

内孔车削

螺纹车削

切槽切断

端面切槽

阻尼模组

车削
刀柄

FD

端面切槽
大范围
深槽加工

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

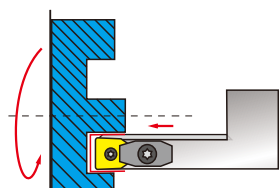
端面
切槽

阻尼
模组

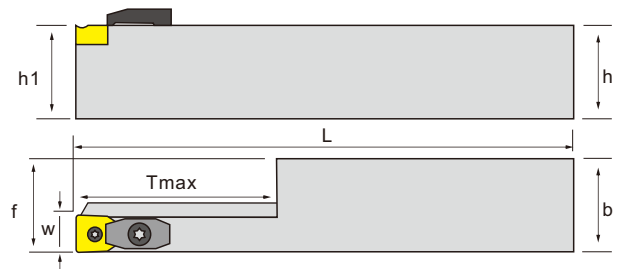
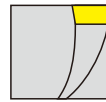


MTEHR 端面切槽加工

End Face Grooving



工件旋转方向
Workpiece Rotation Direction



刀片 (Inserts): B184 零配件 (Toolholder Parts): P03-P05

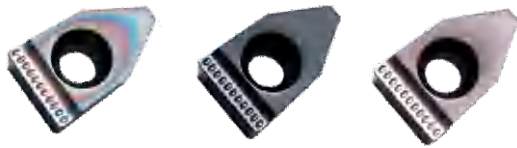
图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions								刀片 Insert	压板 Champ	螺丝 Screw	扳手 Wrench	Stock		Order Number	Price (RMB)
	b=h1	h	L	Dmin	Dmax	Tmax	f	R					L			
MTEHR [®] 2020K08- 80/160-T40	20	20	125	80	160	40	21	FD08..	YFD08	M3.5×9	T15	●	○			
	160/400-T40	20	20	125	160	400	40					21	●			○
	200/800-T40	20	20	125	200	800	40					21	●			○
2525M08- 80/160-T40	25	25	150	80	160	40	26	FD08..	YFD08	M3.5×9	T15	●	○			
	160/400-T40	25	25	150	160	400	40					26	●			○
	200/800-T40	25	25	150	200	800	40					26	●			○
3232P08- 80/160-T40	32	32	170	80	160	40	33	FD08..	YFD08	M3.5×9	T15	●	○			
	160/400-T40	32	32	170	160	400	40					33	●			○
	200/800-T40	32	32	170	200	800	40					33	●			○
2525M10- 80/160-T40	25	25	150	80	160	40	26	FD10..	YFD10	M4.0×10	T15	●	○			
	160/400-T40	25	25	150	160	400	40					26	●			○
	200/800-T40	25	25	150	200	800	40					26	●			○
3232P10- 80/160-T40	32	32	170	80	160	40	33	FD10..	YFD10	M4.0×10	T15	●	○			
	160/400-T40	32	32	170	160	400	40					33	●			○
	200/800-T40	32	32	170	200	800	40					33	●			○
2525M12- 80/160-T40	25	25	150	80	160	40	26	FD12..	YFD12	M4.0×10	T15	●	○			
	160/400-T40	25	25	150	160	400	40					26	●			○
	200/800-T40	25	25	150	200	800	40					26	●			○
3232P12- 80/160-T40	32	32	170	80	160	40	33	FD12..	YFD12	M4.0×10	T15	●	○			
	160/400-T40	32	32	170	160	400	40					33	●			○
	200/800-T40	32	32	170	200	800	40					33	●			○
2525M14- 80/160-T40	25	25	150	80	160	40	26	FD14..	YFD14	M4.0×10	T15	●	○			
	160/400-T40	25	25	150	160	400	40					26	●			○
	200/800-T40	25	25	150	200	800	40					26	●			○
3232P14- 80/160-T40	32	32	170	80	160	40	33	FD14..	YFD14	M4.0×10	T15	●	○			
	160/400-T40	32	32	170	160	400	40					33	●			○
	200/800-T40	32	32	170	200	800	40					33	●			○

FD 外圆切槽
大范围
深槽加工

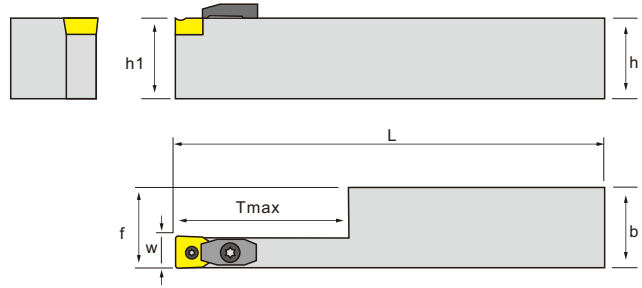
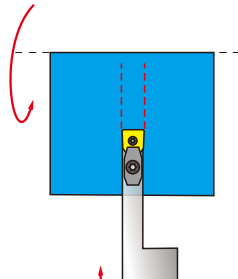
用途 Application	尺寸标示 Dimensioning	产品图片 Product Image	规格型号 Specification	尺寸 Dimension					PCD	CBN-K	CBN-S	IN80	ZC50	ZP150	ZP153	ZP165		
				W	r _e	D	B	H										
切槽加工 Grooving			FD 08-R0.6	8	0.6	3.8	12.7	5										
			10-R0.6	10	0.6	4.4	15.7	5										
			12-R1.0	12	1.0	4.4	17	6										
			FD 08-R0.6-MS	8	0.6	3.8	12.7	5										
			10-R0.6-MS	10	0.6	4.4	15.7	5										
			12-R1.0-MS	12	1.0	4.4	17	6										
			FD 08-R0.6-SM	8	0.6	3.8	12.7	5										
			10-R0.6-SM	10	0.6	4.4	15.7	5										
			12-R1.0-SM	12	1.0	4.4	17	6										
	FD 14-R1.0-SM	14	1.0	4.4	17	6												

大切深，宽槽车削刀具，重切削加工
Large cutting depth, wide groove turning tool, heavy cutting processing



MTEHR

外径切槽/切断加工
External Cut-Off/Grooving



刀片 (Inserts): B184 零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	压板 Clamp	螺丝 Screw	扳手 Wrench	Stock		Order Number	Price (RMB)				
	W	b	h	L	h1	f	Tmax					R	L						
MTEHR/L 2020K08-T40	8	20	20	125	20	21	40	FD08-R0.6	-	M3.5×9	T15	●	●						
2020K08-T50	8	20	20	125	20	21	50					●	●						
2525M08-T40	8	25	25	150	25	26	40					●	●						
2525M08-T50	8	25	25	150	25	26	50					●	●						
3232P08-T40	8	32	32	170	32	33	40					●	●						
3232P08-T50	8	32	32	170	32	33	50					●	●						
3232P08-T65	8	32	32	170	32	33	65					●	●						
2525M10-T40	10	25	25	150	25	26	40					FD10-R0.6	YFD10	M4×10	T15	●	●		
2525M10-T50	10	25	25	150	25	26	50									●	●		
2525M10-T65	10	25	25	150	25	26	65	●	●										
3232P10-T40	10	32	32	170	32	33	40	●	●										
3232P10-T50	10	32	32	170	32	33	50	●	●										
3232P10-T65	10	32	32	170	32	33	65	●	●										
2525M12-T40	12	25	25	150	25	26	40	FD12-R1.0	YFD12	M4×10	T15					●	●		
2525M12-T50	12	25	25	150	25	26	50									●	●		
2525M12-T65	12	25	25	150	25	26	65									●	●		
3232P12-T40	12	32	32	170	32	33	40					●	●						
3232P12-T50	12	32	32	170	32	33	50					●	●						
3232P12-T65	12	32	32	170	32	33	65					●	●						
2525M14-T40	14	25	25	150	25	26	40					FD14-R1.0	YFD14	M4×10	T15	●	●		
2525M14-T50	14	25	25	150	25	26	50									●	●		
2525M14-T65	14	25	25	150	25	26	65									●	●		
3232P14-T40	14	32	32	170	32	33	40	●	●										
3232P14-T50	14	32	32	170	32	33	50	●	●										
3232P14-T65	14	32	32	170	32	33	65	●	●										

车削
车刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

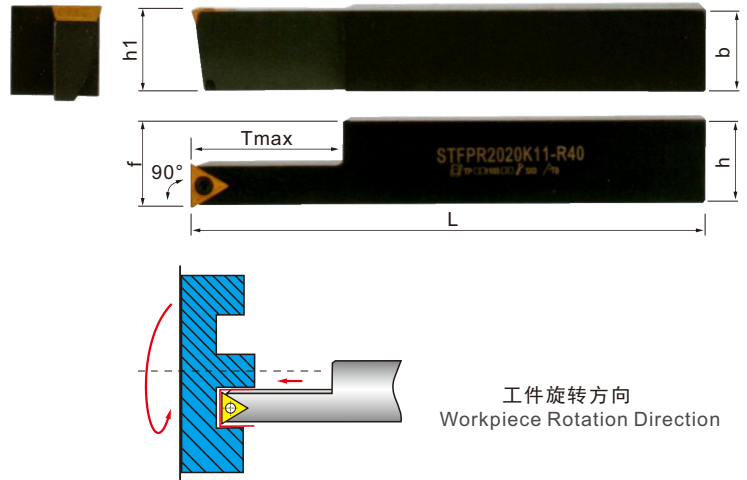
切槽
切断

端面
切槽

阻尼
模组

TCA..

端面切槽加工
End Face Grooving



工件旋转方向
Workpiece Rotation Direction

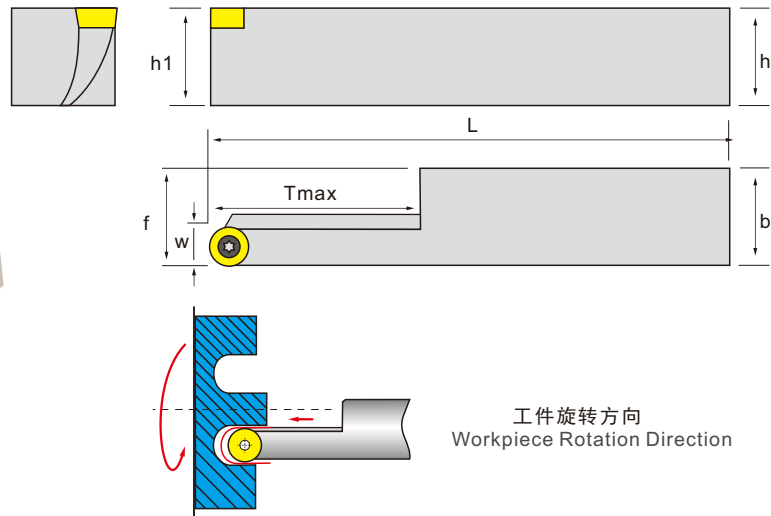
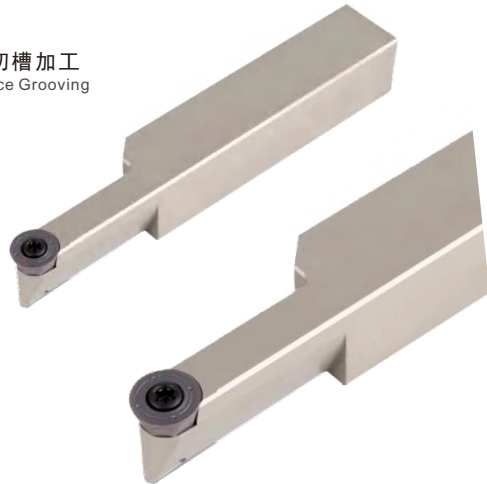
刀片 (Inserts): A27-A28 零配件 (Toolholder Parts): P03-P05

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number	Price (RMB)		
	b=h1	h	L	Dmin	Dmax	Tmax	f				R	L				
TCA0920R/L	33-20/80	20	20	125	20	80	33	TC..0902..	M2.2×6	T6	●	○		400		
	35-40/160	20	20	125	40	160	35				21	●			○	400
	37-70/800	20	20	125	70	800	37				21	●			○	400
TCA0925R/L	33-20/80	25	25	150	20	80	33	TC..1103..	M2.5×6	T8	●	○		500		
	35-40/160	25	25	150	40	160	35				26	●			○	500
	37-70/800	25	25	150	70	800	37				26	●			○	500
TCA1120R/L	33-20/80	20	20	125	20	80	33	TC..1103..	M2.5×6	T8	●	○		400		
	38-40/160	20	20	125	40	160	38				21	●			○	400
	40-70/800	20	20	125	70	800	40				21	●			○	400
TCA1125R/L	33-20/80	25	25	150	20	80	33	TC..1103..	M2.5×6	T8	●	○		500		
	38-40/160	25	25	150	40	160	38				26	●			○	500
	40-70/800	25	25	150	70	800	40				26	●			○	500

RPA..

端面切槽加工
End Face Grooving



工件旋转方向
Workpiece Rotation Direction

刀片 (Inserts): A78-A79 零配件 (Toolholder Parts): P03-P05

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number	Price (RMB)		
	b=h1	h	L	Dmin	Dmax	Tmax	f				R	L				
RPA1020R/L	33-20/80	20	20	125	20	80	33	RP..10T3..	M3.5×10	T15	●	○		400		
	35-40/160	20	20	125	40	160	35				21	●			○	400
	37-70/800	20	20	125	70	800	37				21	●			○	400
RPA1025R/L	33-20/80	25	25	150	20	80	33	RP..1204..	M4.0×10	T15	●	○		500		
	35-40/160	25	25	150	40	160	35				26	●			○	500
	37-70/800	25	25	150	70	800	37				26	●			○	500
RPA1220R/L	33-20/80	20	20	125	20	80	33	RP..1204..	M4.0×10	T15	●	○		400		
	38-40/160	20	20	125	40	160	38				21	●			○	400
	40-70/800	20	20	125	70	800	40				21	●			○	400
RPA1225R/L	33-20/80	25	25	150	20	80	33	RP..1204..	M4.0×10	T15	●	○		500		
	38-40/160	25	25	150	40	160	38				26	●			○	500
	40-70/800	25	25	150	70	800	40				26	●			○	500

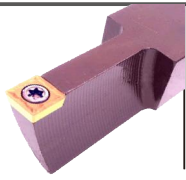
端面切槽加工

端面切槽车刀 End Face Grooving Tool

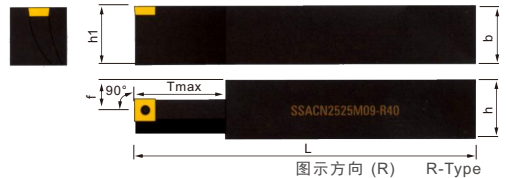
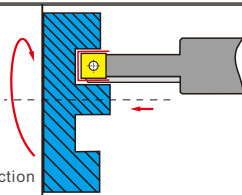
SSACN

外径切槽加工
External Grooving

刀片 (Inserts): A25 零配件 (Toolholder Parts): P03-P05



工件旋转方向
Workpiece Rotation Direction



刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	b=h1	h	L	Dmin	Dmax	Tmax	f				R	L	
SSACN 2020K09-R35	20	20	125	80	500	35	10	SC..09T3..	M4×10	T15	●	●	255625
2525M09-R40	25	25	150	80	500	40	12.5				●	●	

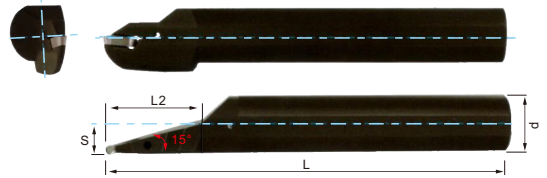
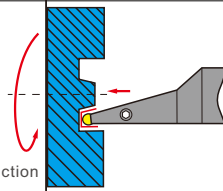
C..Q.DR

轮毂铝材仿形加工
Profile Copying of Aluminum Wheel Hub

零配件 (Toolholder Parts): P03-P05



工件旋转方向
Workpiece Rotation Direction



刀把型号 Ordering code	尺寸 Dimensions					刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	øDmin	ød	S	L1	L2				R	L	
C40T-QLDR/L65-15A	160	40	21	300	65	ZRLD08-LH	M6×20	L5	●	●	255630
C40T-QLDR/L80-15A	160	40	21	300	80				●	●	255631
C50U-QLDR/L80-15A	160	50	26	350	80				●	●	255632
C40T-QKDR/L60-15A	160	40	21	300	60	ZRKD06-LH	M6×20	L5	●	●	255633
C40T-QKDR/L75-15A	160	40	21	300	75				●	●	255634
C50U-QKDR/L75-15A	160	50	26	350	75				●	●	255635

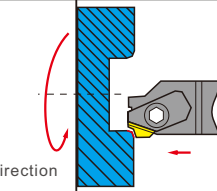
CBSNR

外圆倒角加工
External Chamfering

零配件 (Toolholder Parts): P03-P05



工件旋转方向
Workpiece Rotation Direction



刀把型号 Ordering code	尺寸 Dimensions					刀片 Insert	压板 Clamp	螺丝 Screw	扳手 Wrench	Stock		Order Number
	h	b	L	L1	f					R	L	
CBSNR/L 2020K12	20	20	125	32	20	SNMF1204	CP-RCR	M6×20	L5	●	●	255650
2525M12	25	25	150	32	25					●	●	

车削
车刀

CSV
凸轮
车床
刀具

DS
车刀

正面
排刀

Y轴
车刀

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

FG

切断加工
内孔切槽
端面切槽

车削刀柄

CSV 凸轮机床刀具

DS 刀柄

正面排刀

Y轴刀柄

前车削

后车削

小径切槽
切断
螺纹

小孔加工

滚花
车花

焊接
车刀
夹头

外圆车削

内孔车削

螺纹车削

切槽
切断

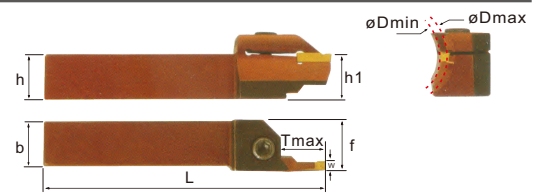
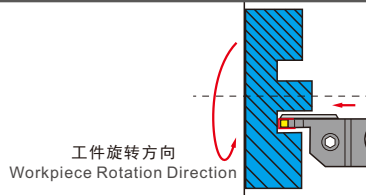
端面切槽

阻尼模组

用途 Application	尺寸标示 Dimensioning	产品图片 Product Image	规格型号 Specification	尺寸 Dimension							刀片 刀片 CBN-K CBN-S PCD ZK60 ZK10 ZK20 ZK30 ZK40 ZK50 ZK60 ZK70 ZK80 ZK90 ZK100
				W	r _e	L	B	H	θ		
端面切槽加工 End Face Grooving			FMM 300R-03	3.0	0.3	15.0	2.0	3.91	-	• • •	
			FMM 400R-04	4.0	0.4	15.0	3.0	3.96	-		
			FMM 500R-04	5.0	0.4	15.0	4.0	4.42	-		

用途 Application	尺寸标示 Dimensioning	产品图片 Product Image	规格型号 Specification	尺寸 Dimension							刀片 刀片 CBN-K CBN-S PCD ZK60 ZK10 ZK20 ZK30 ZK40 ZK50 ZK60 ZK70 ZK80 ZK90 ZK100
				W	r _e	L	B	H	θ		
端面切槽加工 End Face Grooving			FGD 300R-03	3.0	0.3	15.0	2.0	4.0	-	• • •	
			FGD 400R-04	4.0	0.4	15.0	3.0	4.5	-		
			FGD 500R-04	5.0	0.4	15.0	4.0	5.0	-		
端面切槽加工 End Face Grooving			FGM 300R-03	3.0	0.3	15.0	2.0	4.0	-	•	
			FGM 400R-04	4.0	0.4	15.0	3.0	4.5	-		
			FGM 500R-04	5.0	0.4	15.0	4.0	5.0	-		

FGHH..R..



端面槽加工
Machining of End Face Grooving

刀片 (Inserts): B187 零配件 (Toolholder Parts): P03-P05

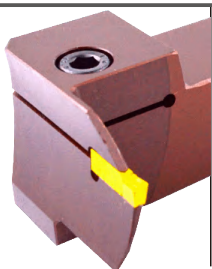
图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	øDmin	øDmax	f	b=h1	h	L	Tmax				R	L	
FGHH320R/L- 25/30 30/35 35/48 48/60	25	30	20.6	20	20	125	12	FMM300R-03	M5×20	L5	•	•	261100
	30	35	20.6	20	20	125	12				•	•	261102
	35	48	20.6	20	20	125	12				•	•	261104
	48	60	20.6	20	20	125	22				•	•	261106
FGHH325R/L- 30/35 35/48 48/60 60/75 75/100 100/140	60	75	20.6	20	20	125	22	FGD300R-03 FGM300R-03	M5×20	L5	•	•	261108
	75	100	20.6	20	20	125	22				•	•	261110
	100	140	20.6	20	20	125	22				•	•	261112
	25	30	25.6	25	25	150	12				FMM300R-03	M5×20	L5
30	35	25.6	25	25	150	12	•	•	261116				
35	48	25.6	25	25	150	12	•	•	261118				
48	60	25.6	25	25	150	22	•	•	261120				
FGHH325R/L- 60/75 75/100 100/140	60	75	25.6	25	25	150	22	FGD300R-03 FGM300R-03	M5×20	L5	•	•	261122
	75	100	25.6	25	25	150	22				•	•	261124
	100	140	25.6	25	25	150	22				•	•	261126
	25	30	20.6	20	20	125	12				FMM400R-04	M5×20	L5
30	35	20.6	20	20	125	12	•	•	261130				
35	48	20.6	20	20	125	12	•	•	261132				
48	60	20.6	20	20	125	25	FGD400R-04 FGM400R-04	M5×20	L5	•			
60	75	20.6	20	20	125	25				•	•	261136	
75	100	20.6	20	20	125	25				•	•	261138	
100	140	20.6	20	20	125	25				•	•	261140	
FGHH425R/L- 25/30 30/35 35/48 48/60 60/75 75/100 100/140	25	30	25.6	25	25	150	12	FMM400R-04	M5×20	L5	•	•	261142
	30	35	25.6	25	25	150	12				•	•	261144
	35	48	25.6	25	25	150	12				•	•	261146
	48	60	25.6	25	25	150	25				•	•	261148
FGHH425R/L- 60/75 75/100 100/140	60	75	25.6	25	25	150	25	FGD400R-04 FGM400R-04	M5×20	L5	•	•	261150
	75	100	25.6	25	25	150	25				•	•	261152
	100	140	25.6	25	25	150	25				•	•	261154
	25	30	20.6	20	20	125	12				FMM500R-04	M5×20	L5
30	35	20.6	20	20	125	12	•	•	261158				
35	40	20.6	20	20	125	20	•	•	261160				
40	48	20.6	20	20	125	20	•	•	261162				
FGHH520R/L- 48/60 60/75 75/100 100/140	48	60	20.6	20	20	125	25	FGD500R-04 FGM500R-04	M5×20	L5	•	•	261164
	60	75	20.6	20	20	125	25				•	•	261166
	75	100	20.6	20	20	125	25				•	•	261168
	100	140	20.6	20	20	125	25				•	•	261170
FGHH525R/L- 25/30 30/35 35/40 40/48 48/60 60/75 75/100 100/140	25	30	25.6	25	25	150	12	FMM500R-04	M5×20	L5	•	•	261172
	30	35	25.6	25	25	150	12				•	•	261174
	35	40	25.6	25	25	150	20				•	•	261176
	40	48	25.6	25	25	150	20				•	•	261178
FGHH525R/L- 48/60 60/75 75/100 100/140	48	60	25.6	25	25	150	25	FGD500R-04 FGM500R-04	M5×20	L5	•	•	261180
	60	75	25.6	25	25	150	25				•	•	261182
	75	100	25.6	25	25	150	25				•	•	261184
	100	140	25.6	25	25	150	25				•	•	261186

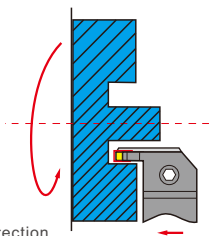
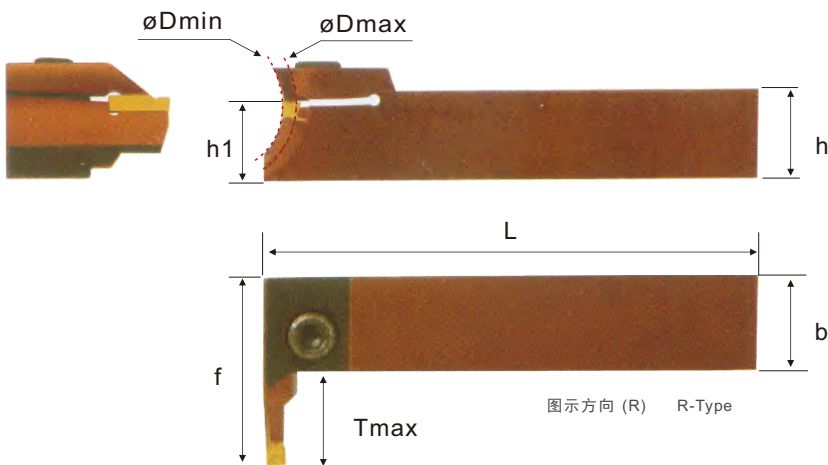
端面切槽加工

端面切槽车刀 End Face Grooving Tool

FGVH..R..



端面槽加工
Machining of End Face Grooving



工件旋转方向
Workpiece Rotation Direction

图示方向 (R) R-Type

刀片 (Inserts): B187 零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	ϕD_{min}	ϕD_{max}	f	b=h1	h	L	Tmax				R	L	
FGVH320R/L- 25/30 30/35 35/48 48/60 60/75 75/100 100/140	25	30	36.5	20	20	125	12	FMM300R-03	M5×20	L5	●	●	261188
	30	35	36.5	20	20	125	12				●	●	261190
	35	48	36.5	20	20	125	12				●	●	261192
	48	60	46.5	20	20	125	22	FGD300R-03 FGM300R-03	M5×20	L5	●	●	261194
	60	75	46.5	20	20	125	22				●	●	261196
	75	100	46.5	20	20	125	22				●	●	261198
	100	140	46.5	20	20	125	22				●	●	261200
FGVH325R/L- 25/30 30/35 35/48 48/60 60/75 75/100 100/140	25	30	41	25	25	150	12	FMM300R-03	M5×20	L5	●	●	261202
	30	35	41	25	25	150	12				●	●	261204
	35	48	41	25	25	150	12				●	●	261206
	48	60	51	25	25	150	22	FGD300R-03 FGM300R-03	M5×20	L5	●	●	261208
	60	75	51	25	25	150	22				●	●	261210
	75	100	51	25	25	150	22				●	●	261212
	100	140	51	25	25	150	22				●	●	261214
FGVH420R/L- 25/30 30/35 35/48 48/60 60/75 75/100 100/140	25	30	36.5	20	20	125	12	FMM400R-04	M5×20	L5	●	●	261216
	30	35	36.5	20	20	125	12				●	●	261218
	35	48	36.5	20	20	125	12				●	●	261220
	48	60	46.5	20	20	125	25	FGD400R-04 FGM400R-04	M5×20	L5	●	●	261222
	60	75	46.5	20	20	125	25				●	●	261224
	75	100	46.5	20	20	125	25				●	●	261226
	100	140	46.5	20	20	125	25				●	●	261228
FGVH425R/L- 25/30 30/35 35/48 48/60 60/75 75/100 100/140	25	30	41	25	25	150	12	FMM400R-04	M5×20	L5	●	●	261230
	30	35	41	25	25	150	12				●	●	261232
	35	48	41	25	25	150	12				●	●	261234
	48	60	51	25	25	150	25	FGD400R-04 FGM400R-04	M5×20	L5	●	●	261236
	60	75	51	25	25	150	25				●	●	261238
	75	100	51	25	25	150	25				●	●	261240
	100	140	51	25	25	150	25				●	●	261242
FGVH520R/L- 25/30 30/35 35/40 40/48 48/60 60/75 75/100 100/140	25	30	36.5	20	20	125	12	FMM500R-04	M5×20	L5	●	●	261244
	30	35	36.5	20	20	125	12				●	●	261246
	35	40	44.5	20	20	125	20				●	●	261248
	40	48	44.5	20	20	125	20	FGD500R-04 FGM500R-04	M5×20	L5	●	●	261250
	48	60	49.5	20	20	125	25				●	●	261252
	60	75	49.5	20	20	125	25				●	●	261254
	75	100	49.5	20	20	125	25				●	●	261256
100	140	49.5	20	20	125	25	●	●	261258				
FGVH525R/L- 25/30 30/35 35/40 40/48 48/60 60/75 75/100 100/140	25	30	41	25	25	150	12	FMM500R-04	M5×20	L5	●	●	261260
	30	35	41	25	25	150	12				●	●	261262
	35	40	49	25	25	150	20				●	●	261264
	40	48	49	25	25	150	20	FGD500R-04 FGM500R-04	M5×20	L5	●	●	261266
	48	60	54	25	25	150	25				●	●	261268
	60	75	54	25	25	150	25				●	●	261270
	75	100	54	25	25	150	25				●	●	261272
100	140	54	25	25	150	25	●	●	261274				

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

切削形态: ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ✘ 不稳定切削 Unstable Cutting

Application 用途	尺寸标示 Dimensioning	产品图片 Product Image	规格型号 Specification	尺寸 Dimension							R-Type
				W	rε	L	B	H	θ		
端面切槽加工 End Face Grooving			MFMN 300	3.0	0.2	18.0	2.0	3.0	-	●	

MFMN 切断加工
内孔切槽
端面切槽

车削刀柄
CSV
凸轮车床刀具

DS
刀柄

正面排刀

Y轴刀柄

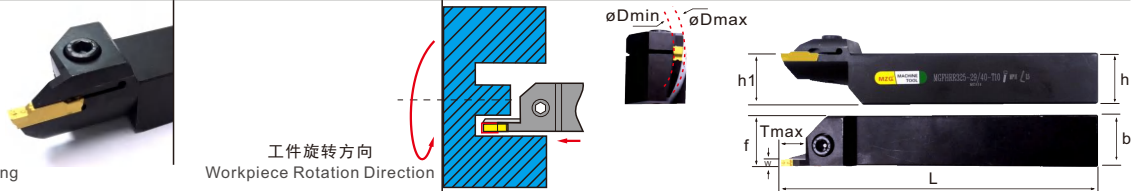
前车削

后车削

MGFHRR

端面槽加工
Machining of End Face Grooving

工件旋转方向
Workpiece Rotation Direction



刀片 (Inserts): B189 零配件 (Toolholder Parts): P03-P05

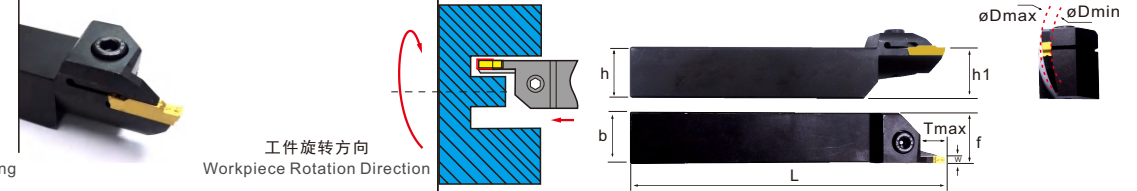
图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number				
	øDmin	øDmax	f	b=h1	h	L	Tmax				R	L					
MGFHRR 320-	24/35-T10	24	35	20.6	20	20	125	10	MFMN300..	M6×20	L5	●	●	261600			
	29/40-T10	29	40	20.6	20	20	125	10				●	●	261602			
	34/50-T10	34	50	20.6	20	20	125	10				●	●	261604			
	44/70-T10	44	70	20.6	20	20	125	10				●	●	261606			
	64/69-T10	64	99	20.6	20	20	125	10				●	●	261608			
	325-	24/35-T10	24	35	25.6	25	25	150				10	●	●	261610		
29/40-T10	29	40	25.6	25	25	150	10	●				●	261612				
34/50-T10	34	50	25.6	25	25	150	10	●				●	261614				
44/70-T10	44	70	25.6	25	25	150	10	●				●	261616				
64/69-T10	64	99	25.6	25	25	150	10	●				●	261618				
MGFHRR 420-	62/120-T15	62	120	20.6	20	20	125	15				MGMN400..	M6×20	L5	●	●	261620
	112/200-T15	112	200	20.6	20	20	125	15							●	●	261622
	425-	62/120-T15	62	120	25.6	25	25	150	15	●	●				261624		
	112/200-T15	112	200	25.6	25	25	150	15	●	●	261626						

MGFHLL

端面槽加工
Machining of End Face Grooving

工件旋转方向
Workpiece Rotation Direction



刀片 (Inserts): B189 零配件 (Toolholder Parts): P03-P05

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number				
	øDmin	øDmax	f	b=h1	h	L	Tmax				R	L					
MGFHLL 320-	24/35-T10	24	35	20.6	20	20	125	10	MFMN300..	M6×20	L5	●	●	261650			
	29/40-T10	29	40	20.6	20	20	125	10				●	●	261652			
	34/50-T10	34	50	20.6	20	20	125	10				●	●	261654			
	44/70-T10	44	70	20.6	20	20	125	10				●	●	261656			
	64/69-T10	64	99	20.6	20	20	125	10				●	●	261658			
	325-	24/35-T10	24	35	25.6	25	25	150				10	●	●	261660		
29/40-T10	29	40	25.6	25	25	150	10	●				●	261662				
34/50-T10	34	50	25.6	25	25	150	10	●				●	261664				
44/70-T10	44	70	25.6	25	25	150	10	●				●	261666				
64/69-T10	64	99	25.6	25	25	150	10	●				●	261668				
MGFHLL 420-	62/120-T15	62	120	20.6	20	20	125	15				MGMN400..	M6×20	L5	●	●	261670
	112/200-T15	112	200	20.6	20	20	125	15							●	●	261672
	425-	62/120-T15	62	120	25.6	25	25	150	15	●	●				261674		
	112/200-T15	112	200	25.6	25	25	150	15	●	●	261676						

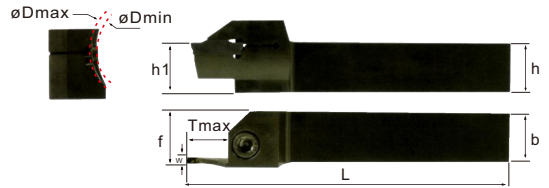
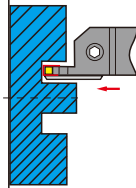
端面切槽加工

端面切槽车刀 End Face Grooving Tool

MGFHRL



工件旋转方向
Workpiece Rotation Direction



端面槽加工
Machining of End Face Grooving

刀片 (Inserts): B189 零配件 (Toolholder Parts): P03-P05

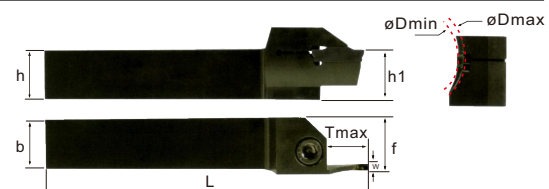
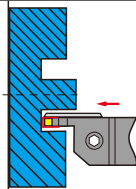
图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	øDmin	øDmax	f	b=h1	h	L	Tmax				R	L	
MGFHRL 320-	24/35-T10	24	35	20.6	20	20	125	MFMN300..	M6×20	L5	●	●	261700
	29/40-T10	29	40	20.6	20	20	125				●	●	261702
	34/50-T10	34	50	20.6	20	20	125				●	●	261704
	44/70-T10	44	70	20.6	20	20	125				●	●	261706
	64/69-T10	64	99	20.6	20	20	125				●	●	261708
	325-	24/35-T10	24	35	25.6	25	25				150	●	●
MGFHRL 420-	29/40-T10	29	40	25.6	25	25	150	●	●	261712			
	34/50-T10	34	50	25.6	25	25	150	●	●	261714			
	44/70-T10	44	70	25.6	25	25	150	●	●	261716			
MGFHRL 425-	64/69-T10	64	99	25.6	25	25	150	●	●	261718			
	62/120-T15	62	120	20.6	20	20	125	MGMN400..	M6×20	L5	●	●	261720
112/200-T15	112	200	20.6	20	20	125	●				●	261722	
MGFHRL 425-	62/120-T15	62	120	25.6	25	25	150	●	●	261724			
	112/200-T15	112	200	25.6	25	25	150	●	●	261726			

MGFHRL



工件旋转方向
Workpiece Rotation Direction



端面槽加工
Machining of End Face Grooving

刀片 (Inserts): B189 零配件 (Toolholder Parts): P03-P05

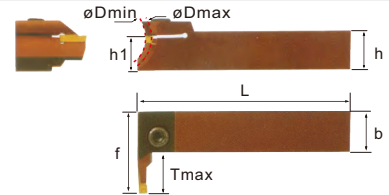
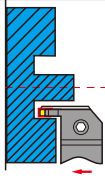
图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	øDmin	øDmax	f	b=h1	h	L	Tmax				R	L	
MGFHRL 320-	24/35-T10	24	35	20.6	20	20	125	MFMN300..	M6×20	L5	●	●	261750
	29/40-T10	29	40	20.6	20	20	125				●	●	261752
	34/50-T10	34	50	20.6	20	20	125				●	●	261754
	44/70-T10	44	70	20.6	20	20	125				●	●	261756
	64/69-T10	64	99	20.6	20	20	125				●	●	261758
	325-	24/35-T10	24	35	25.6	25	25				150	●	●
MGFHRL 420-	29/40-T10	29	40	25.6	25	25	150	●	●	261762			
	34/50-T10	34	50	25.6	25	25	150	●	●	261764			
	44/70-T10	44	70	25.6	25	25	150	●	●	261766			
MGFHRL 425-	64/69-T10	64	99	25.6	25	25	150	●	●	261768			
	62/120-T15	62	120	20.6	20	20	125	MGMN400..	M6×20	L5	●	●	261770
112/200-T15	112	200	20.6	20	20	125	●				●	261772	
MGFHRL 425-	62/120-T15	62	120	25.6	25	25	150	●	●	261774			
	112/200-T15	112	200	25.6	25	25	150	●	●	261776			

MGFVR



工件旋转方向
Workpiece Rotation Direction



端面槽加工
Machining of End Face Grooving

刀片 (Inserts): B189 零配件 (Toolholder Parts): P03-P05

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number
	øDmin	øDmax	f	b=h1	h	L	Tmax				R	L	
MGFVR/L 320-	24/35-T10	24	35	31.6	20	20	125	MFMN300..	M6×20	L5	●	●	261500
	29/40-T10	29	40	31.6	20	20	125				●	●	261502
	34/50-T10	34	50	31.6	20	20	125				●	●	261504
	44/70-T10	44	70	31.6	20	20	125				●	●	261506
	64/69-T10	64	99	31.6	20	20	125				●	●	261508
	325-	24/35-T10	24	35	36.6	25	25				150	●	●
MGFVR/L 420-	29/40-T10	29	40	36.6	25	25	150	●	●	261512			
	34/50-T10	34	50	36.6	25	25	150	●	●	261514			
	44/70-T10	44	70	36.6	25	25	150	●	●	261516			
MGFVR/L 425-	64/69-T10	64	99	36.6	25	25	150	●	●	261518			
	44/60-T15	44	60	36.6	20	20	125	MGMN400..	M6×20	L5	●	●	261520
62/120-T15	62	120	36.6	20	20	125	●				●	261522	
MGFVR/L 425-	112/200-T15	112	200	36.6	20	20	125	●	●	261524			
	44/60-T15	44	60	41.6	25	25	150	●	●	261526			
	62/120-T15	62	120	41.6	25	25	150	●	●	261528			
	112/200-T15	112	200	41.6	25	25	150	●	●	261530			

车削
车刀

CSV
凸轮
车床
刀具

DS
车刀

正面
排刀

Y轴
车刀

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

Z... 切断加工 外圆内孔 端面切槽

Application 用途	尺寸标示 Dimensioning	产品图片 Product Image	规格型号 Specification	尺寸 Dimension							PCD CBN/K CBN/S ZrN ZrO ₂ TiC/AlN TiC/AlN TiC/AlN TiC/AlN TiC/AlN
				W	rε	L	B	H	φ		
切断/切槽加工 Cut-off/Grooving			ZTED 02503-MG	2.5	0.3	17	-	-	-	-	•
			0303-MG	3.0	0.3	17	-	-	-	-	•
			0404-MG	4.0	0.4	22	-	-	-	-	•
			0504-MG	5.0	0.4	22	-	-	-	-	•
			0608-MG	6.0	0.8	22	-	-	-	-	•
切槽加工 Grooving			ZRED 025-MG	2.5	1.25	17.5	-	-	-	-	•
			03-MG	3.0	1.5	17	-	-	-	-	•
			04-MG	4.0	2.0	21	-	-	-	-	•
			05-MG	5.0	2.5	20	-	-	-	-	•
			06-MG	6.0	3.0	19	-	-	-	-	•

QF..R..

端面槽加工
Machining of End Face Grooving

工件旋转方向
Workpiece Rotation Direction

刀片 (Inserts): B191 零配件 (Toolholder Parts): P03-P05

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number				
	φDmin	φDmax	f	b=h1	h	L	Tmax				R	L					
QFFD 2020R/L 7-48H	48	66	21	20	20	125	7	ZTFD0303..	M6×20	L5	•	•	263532				
	10-48H	48	66	21	20	20	125				10	•	•	263534			
	7-60H	60	80	21	20	20	125				7	•	•	263540			
	10-60H	60	80	21	20	20	125				10	•	•	263542			
	7-74H	74	100	21	20	20	125				7	•	•	263548			
	10-74H	74	100	21	20	20	125				10	•	•	263550			
	7-100H	100	150	21	20	20	125				7	•	•	263556			
	10-100H	100	150	21	20	20	125				10	•	•	263558			
	2525R/L 10-48H	48	66	26	25	25	150				10	ZTFD0303..	M6×20	L5	•	•	263536
		17-48H	48	66	26	25	25				150				17	•	•
10-60H		60	80	26	25	25	150	10	•	•	263544						
17-60H		60	80	26	25	25	150	17	•	•	263546						
10-74H		74	100	26	25	25	150	10	•	•	263552						
17-74H		74	100	26	25	25	150	17	•	•	263554						
10-100H		100	150	26	25	25	150	10	•	•	263560						
17-100H		100	150	26	25	25	150	17	•	•	263562						
QFGD 2020R/L 10-52H		52	72	21	20	20	125	10	ZTFD0303..	M6×20	L5				•	•	263564
		13-52H	52	72	21	20	20	125							13	•	•
	10-64H	64	100	21	20	20	125	10				•	•	263572			
	13-64H	64	100	21	20	20	125	13				•	•	263574			
	10-90H	90	140	21	20	20	125	10				•	•	263580			
	13-90H	90	140	21	20	20	125	13				•	•	263582			
	10-130H	130	230	21	20	20	125	10				•	•	263588			
	13-130H	130	230	21	20	20	125	13				•	•	263590			
	2525R/L 15-52H	52	72	26	25	25	150	15				ZTFD0303..	M6×20	L5	•	•	263568
		22-52H	52	72	26	25	25	150							22	•	•
15-64H		64	100	26	25	25	150	15	•	•	263576						
22-64H		64	100	26	25	25	150	22	•	•	263578						
15-90H		90	140	26	25	25	150	15	•	•	263584						
22-90H		90	140	26	25	25	150	22	•	•	263586						
15-130H		130	230	26	25	25	150	15	•	•	263592						
22-130H		130	230	26	25	25	150	22	•	•	263594						
QFHD 2525R/L 13-58H		58	96	26	25	25	150	13	ZTFD0303..	M6×20	L5				•	•	263500
		22-58H	58	96	26	25	25	150							22	•	•
	13-86H	86	140	26	25	25	150	13				•	•	263504			
	22-86H	86	140	26	25	25	150	22				•	•	263506			
	13-130H	130	200	26	25	25	150	13				•	•	263508			
	22-130H	130	200	26	25	25	150	22				•	•	263510			
	13-185H	185	400	26	25	25	150	13				•	•	263512			
	22-185H	185	400	26	25	25	150	22				•	•	263514			
	QFHS 2525R/L 30-185H	185	400	26	25	25	150	30				ZTHS0504..	M6×20	L5	•	•	263516
	QFKD 2525R/L 13-60H	60	100	26	25	25	150	13				ZTKD0608..	M6×20	L5	•	•	263518
22-60H		60	100	26	25	25	150	22	•	•	263520						
13-88H		88	180	26	25	25	150	13	•	•	263522						
22-88H		88	180	26	25	25	150	22	•	•	263524						
13-160H		160	400	26	25	25	150	13	•	•	263526						
22-160H		160	400	26	25	25	150	22	•	•	263528						
QFKS 2525R/L 30-160H	160	400	26	25	25	150	30	ZTKS0608..	M6×20	L5	•	•	263530				

车削刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

端面切槽加工

端面切槽车刀 End Face Grooving Tool

切削线速度 (Cutting Speed) : m/min⁻¹

(mm)



加工材料 刀具材料 材料特点	PCD 金刚石 Diamond	CBN-K 铸铁专用 Cast Iron	CBN-S 难切削材料用 Hardened Metal	ZN60 光洁度好 Good Surface	ZN90 高速精加工 Finishing	ZK01 铜铝加工 Copper/Aluminum	ZC250 CVD 钢件 CVD Steel	ZC251 CVD 钢件 CVD Steel	ZC32S 钢件高速 Steel High Speed	ZP152 不锈钢通用 Stainless Steel	ZP153 不锈钢高速 Stainless Steel	ZP163 高硬高速 HRC/CP High Speed	ZK50 CVD 铸铁 CVD Cast Iron	ZK50S 铸铁高速 CVD High Speed
P 低碳钢 High-Carbon steel 高碳钢 HRC46-58 Hardened Steel			10-30	150-600	150-800		70-500	150-500	150-600	70-250	100-250	80-300		
M 不锈钢 Stainless Steel				200-300	200-350					50-150	70-150	50-200		
K 灰口铸铁 Gray Cast Iron 球墨铸铁/轧辊 Ductile Iron		300-1500 400-800		100-300	100-350								200-300 150-200	200-350 150-250
N 镁/铝/铜/钛/塑料/木材 Magnesium/Aluminum/Copper/Titanium/Plastic/Wood 铝合金 HB50-70 Aluminum Alloy 淬硬铝合金 HB70-110 Hardened Aluminum Alloy	300-1200 300-1500 300-800					300-1200 300-1500 300-800								
S 硬质合金/粉末冶金 Carbide/Powder Metallurgy	10-30					10-30						20-50		
H 钛/高温合金/碳纤维 Titanium/Superalloy/Carbon Fiber	400-600 100-200					400-600 100-200				20-50	20-60	30-80		

切削形态: ● 稳定切削 (Stable Cutting) ● 一般切削 (General Cutting) ❖ 不稳定切削 (Unstable Cutting)

切削形态: ● 稳定切削 (Stable Cutting) ● 一般切削 (General Cutting) ❖ 不稳定切削 (Unstable Cutting)

应用 Application	尺寸标示 Dimensioning	产品图片 Product Image	规格型号 Specification	尺寸 Dimension						应用 Application	
				W	ℓ	L	B	H	θ		
切断/切槽加工 Cut-off/Grooving			MGMM 150-G 200-G 250-G 300-G 400-G 500-G 600-G	1.5	0.15	16.0	1.2	3.5	-	●●●●●●●●	应用 Application
				2.0	0.2	16.0	1.6	3.5	-	●●●●●●●●	
				2.5	0.2	18.5	2.0	3.85	-	●●●●●●●●	
				3.0	0.4	21.0	2.35	4.8	-	●●●●●●●●	
				4.0	0.4	21.0	3.3	4.8	-	●●●●●●●●	
				5.0	0.8	26.0	4.1	5.8	-	●●●●●●●●	
切断/切槽加工 Cut-off/Grooving			MGMM 200-M 250-M 300-02-M 300-M 350-03-M 400-02-M 400-M 500-04-M 500-M 600-M 800-M	2.0	0.2	16.0	1.2	3.5	-	●●●●●●●●	应用 Application
				2.5	0.2	18.5	2.0	3.85	-	●●●●●●●●	
				3.0	0.2	21.0	2.35	4.8	-	●●●●●●●●	
				3.0	0.4	21.0	2.9	4.8	-	●●●●●●●●	
				4.0	0.2	21.0	3.3	4.8	-	●●●●●●●●	
				4.0	0.4	21.0	3.3	4.8	-	●●●●●●●●	
切断加工 Cut-off Processing			MGMR 300-6D-PS 300-8D-PS 300-15D-PS 400-4D-PS 500-4D-PS	3.0	0.2	21.0	2.35	4.8	6.0	●●●●●●●●	应用 Application
				3.0	0.2	21.0	2.35	4.8	8.0	●●●●●●●●	
				3.0	0.2	21.0	2.35	4.8	15.0	●●●●●●●●	
				4.0	0.3	21.0	3.3	4.8	4.0	●●●●●●●●	
				5.0	0.3	26.0	4.1	5.8	4.0	●●●●●●●●	
切断加工 Cut-off Processing			MGMM 200R-6 300R-6 300R-8 300R-15 400R-4 500R-4	2.0	0.2	16.0	1.6	3.6	6.0	●●●●●●●●	应用 Application
				3.0	0.2	21.0	2.35	4.8	6.0	●●●●●●●●	
				3.0	0.2	21.0	2.35	4.8	8.0	●●●●●●●●	
				3.0	0.2	21.0	2.35	4.8	15.0	●●●●●●●●	
				4.0	0.3	21.0	3.3	4.8	4.0	●●●●●●●●	
切断加工 Cut-off Processing			MGMM 150R-8 200R-8 250R-8 300R-8 400R-8 500R-8 600R-8	1.5	0.15	16.0	1.2	3.5	8°	●●●●●●●●	应用 Application
				2.0	0.2	16.0	1.6	3.5	8°	●●●●●●●●	
				2.5	0.2	18.5	2.0	3.85	8°	●●●●●●●●	
				3.0	0.4	21.0	2.35	4.8	8°	●●●●●●●●	
				4.0	0.4	21.0	3.3	4.8	8°	●●●●●●●●	
				5.0	0.8	26.0	4.1	5.8	8°	●●●●●●●●	
切断/切槽加工 Cut-off/Grooving			MGMM 150 200 250 300 400 500 600	1.5	0.15	16.0	1.2	3.5	-	●●●●●●●●	应用 Application
				2.0	0.2	16.0	1.6	3.5	-	●●●●●●●●	
				2.5	0.2	18.5	2.0	3.85	-	●●●●●●●●	
				3.0	0.4	21.0	2.35	4.8	-	●●●●●●●●	
				4.0	0.4	21.0	3.3	4.8	-	●●●●●●●●	
				5.0	0.8	26.0	4.1	5.8	-	●●●●●●●●	
				6.0	0.8	26.0	5.0	5.8	-	●●●●●●●●	
切槽加工 Grooving			MRMN 200-M 300-M 400-M 500-M 600-M 800-M	2.0	1.0	16.0	1.5	3.5	-	●●●●●●●●	应用 Application
				3.0	1.5	21.0	2.35	4.8	-	●●●●●●●●	
				4.0	2.0	21.0	3.3	4.8	-	●●●●●●●●	
				5.0	2.5	26.0	4.1	5.8	-	●●●●●●●●	
				6.0	3.0	26.0	5.0	5.8	-	●●●●●●●●	
				8.0	4.0	31.0	6.0	6.5	-	●●●●●●●●	
				8.0	4.0	31.0	6.0	6.5	-	●●●●●●●●	
铝合金轮毂加工 Aluminum Alloy Wheel Processing			MRGN 400-A 500-A 600-A 800-A	4.0	2.0	21.0	3.3	4.8	-	●●●●●●●●	应用 Application
				5.0	2.5	26.0	4.1	5.8	-	●●●●●●●●	
				6.0	3.0	26.0	5.0	5.8	-	●●●●●●●●	
				8.0	4.0	31.0	6.0	6.5	-	●●●●●●●●	
				8.0	4.0	31.0	6.0	6.5	-	●●●●●●●●	

应用 Application	尺寸标示 Dimensioning	产品图片 Product Image	规格型号 Specification	尺寸 Dimension						应用 Application	
				W	ℓ	L	B	H	θ		
切断/切槽加工 Cut-off/Grooving			MGMM 200-T 250-T 300-T 400-T 500-T 600-T	2.0	0.2	16.0	1.6	3.5	-	●●●●●●●●	应用 Application
				2.5	0.2	18.5	2.0	3.85	-	●●●●●●●●	
				3.0	0.4	21.0	2.35	4.8	-	●●●●●●●●	
				4.0	0.4	21.0	3.3	4.8	-	●●●●●●●●	
				5.0	0.8	26.0	4.1	5.8	-	●●●●●●●●	
				6.0	0.8	26.0	5.0	5.8	-	●●●●●●●●	
切断/切槽加工 Cut-off/Grooving			MGMM 200-H 300-H 400-H 500-H	2.0	0.2	16	1.6	3.5	-	●●●●●●●●	应用 Application
				3.0	0.2	21	2.35	4.8	-	●●●●●●●●	
				4.0	0.2	21	3.3	4.8	-	●●●●●●●●	
				5.0	0.4	26	4.1	5.8	-	●●●●●●●●	
				5.0	0.4	26	4.1	5.8	-	●●●●●●●●	
切断加工 Cut-off Processing			MGML 300-6D-PS 300-8D-PS 300-15D-PS 400-4D-PS 500-4D-PS	3.0	0.2	21.0	2.35	4.8	6.0	●●●●●●●●	应用 Application
				3.0	0.2	21.0	2.35	4.8	8.0	●●●●●●●●	
				3.0	0.2	21.0	2.35	4.8	15.0	●●●●●●●●	
				4.0	0.3	21.0	3.3	4.8	4.0	●●●●●●●●	
				5.0	0.3	26.0	4.1	5.8	4.0	●●●●●●●●	
切断加工 Cut-off Processing			MGMM 200L-6 300L-6 300L-8 300L-15 400L-4 500L-4	2.0	0.2	16.0	1.6	3.6	6.0	●●●●●●●●	应用 Application
				3.0	0.2	21.0	2.35	4.8	6.0	●●●●●●●●	
				3.0	0.2	21.0	2.35	4.8	8.0	●●●●●●●●	
				3.0	0.2	21.0	2.35	4.8	15.0	●●●●●●●●	
				4.0	0.3	21.0	3.3	4.8	4.0	●●●●●●●●	
切断加工 Cut-off Processing			MGMM 150L-8 200L-8 250L-8 300L-8 400L-8 500L-8 600L-8	1.5	0.15	16.0	1.2	3.5	8°	●●●●●●●●	应用 Application
				2.0	0.2	16.0	1.6	3.5	8°	●●●●●●●●	
				2.5	0.2	18.5	2.0	3.85	8°	●●●●●●●●	
				3.0	0.4	21.0	2.35	4.8	8°	●●●●●●●●	
				4.0	0.4	21.0	3.3	4.8	8°	●●●●●●●●	
				5.0	0.8	26.0	4.1	5.8	8°	●●●●●●●●	
切断/切槽加工 Cut-off/Grooving			MGMM 150 200 250 300-02 300 350-03 400-02 400 500-04 500 600 700 800	1.5	0.15	16.0	1.6	3.5	-	●●●●●●●●	应用 Application
				2.0	0.2	16.0	1.6	3.5	-	●●●●●●●●	
				2.5	0.2	18.5	2.0	3.85	-	●●●●●●●●	
				3.0	0.2	21.0	2.35	4.8	-	●●●●●●●●	
				3.0	0.4	21.0	2.35	4.8	-	●●●●●●●●	
				4.0	0.2	21.0	3.3	4.8	-	●●●●●●●●	
				4.0	0.4	21.0	3.3	4.8	-	●●●●●●●●	
				5.0	0.4	26.0	4.1	5.8	-	●●●●●●●●	
				5.0	0.8	26.0	4.1	5.8	-	●●●●●●●●	
				6.0	0.8	26.0	5.0	5.8	-	●●●●●●●●	
				8.0	0.8	31.0	6.0	6.5	-	●●●●●●●●	
切槽加工 Grooving			MRMN 150 200 250 300 350 400 500 600 700 800	1.5	0.75	16.0	1.2	3.5	-	●●●●●●●●	应用 Application
				2.0	1.0	16.0	1.6	3.5	-	●●●●●●●●	
				2.5	1.25	18.5	2.0	3.85	-	●●●●●●●●	
				3.0	1.5	21.0	2.35	4.8	-	●●●●●●●●	
				3.5	1.75	21.0	2.35	4.8	-	●●●●●●●●	
				4.0	2.0	21.0	3.3	4.8	-	●●●●●●●●	
				5.0	2.5	26.0	4.1	5.8	-	●●●●●●●●	
				6.0	3.0	26.0	5.0	5.8	-	●●●●●●●●	
				7.0	3.5	26.0	5.0	5.8	-	●●●●●●●●	
				8.0	4.0	31.0	6.0	6.5	-	●●●●●●●●	
				铝合金轮毂加工 Aluminum Alloy Wheel Processing			MVGN 8N-A-R1.2 8N-A-R1.6	-	1.2	30.0	
-	1.6	30.0	6.0					6.9	-	●●●●●●●●	

车削车刀

CSV 凸轮车床刀具

DS 刀柄

正面排刀

Y轴车刀

前车削

后车削

小径切槽切螺纹

小孔加工

滚花车花

焊接车刀夹头

外圆车削

内孔车削

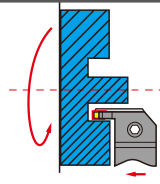
螺纹车削

切槽切断

端面切槽

阻尼模组

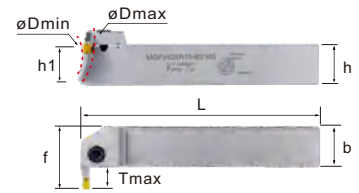
MGFV..R..



工件旋转方向
Workpiece Rotation Direction



(MGFV..R)



图示方向 (R) R-Type

端面槽加工
Machining of End Face Grooving

刀片 (Inserts): A45-A46 零配件 (Toolholder Parts): P03-P05

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

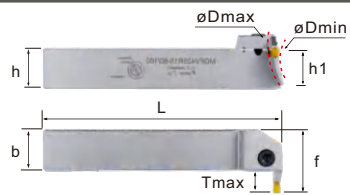
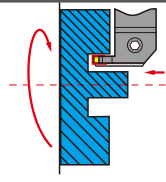
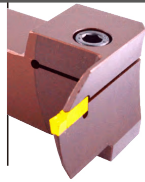
阻尼
模组

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number	
	ϕD_{min}	ϕD_{max}	f	b=h1	h	L	Tmax				R	L		
MGFV220R	10-20/36	20	36	30.5	20	20	125	10	MGMN200.. MGGN200.. MRMN200..	M5×20	L4	●	●	265000
	10-30/50	30	50	30.5	20	20	125	10				●	●	265002
	10-50/80	50	80	30.5	20	20	125	10				●	●	265004
	10-80/160	80	160	30.5	20	20	125	10				●	●	265006
	10-160/400	160	400	30.5	20	20	125	10				●	●	265008
15-200/800	200	800	35.5	20	20	125	15	●	●	265010				
MGFV225R	10-20/36	20	36	35.5	25	25	150	10	MGMN200.. MGGN200.. MRMN200..	M5×20	L4	●	●	265012
	10-30/50	30	50	35.5	25	25	150	10				●	●	265014
	10-50/80	50	80	35.5	25	25	150	10				●	●	265016
	10-80/160	80	160	35.5	25	25	150	10				●	●	265018
	10-160/400	160	400	35.5	25	25	150	10				●	●	265020
15-200/800	200	800	40.5	25	25	150	15	●	●	265022				
MGFV2.5-20R	10-20/36	20	36	30.5	20	20	125	10	MGMN250.. MGGN250.. MRMN250..	M5×20	L4	●	●	265024
	10-30/50	30	50	30.5	20	20	125	10				●	●	265026
	15-50/80	50	80	35.5	20	20	125	15				●	●	265028
	15-80/160	80	160	35.5	20	20	125	15				●	●	265030
	15-160/400	160	400	35.5	20	20	125	15				●	●	265032
15-200/800	200	800	35.5	20	20	125	15	●	●	265034				
MGFV2.5-25R	10-20/36	20	36	35.5	25	25	150	10	MGMN250.. MGGN250.. MRMN250..	M5×20	L4	●	●	265036
	10-30/50	30	50	35.5	25	25	150	10				●	●	265038
	15-50/80	50	80	40.5	25	25	150	15				●	●	265040
	15-80/160	80	160	40.5	25	25	150	15				●	●	265042
	15-160/400	160	400	40.5	25	25	150	15				●	●	265044
15-200/800	200	800	40.5	25	25	150	15	●	●	265046				
MGFV320R	15-20/36	20	36	35.5	20	20	125	15	MGMN300.. MGGN300.. MRMN300..	M5×20	L4	●	●	265048
	15-30/50	30	50	35.5	20	20	125	15				●	●	265050
	15-50/80	50	80	35.5	20	20	125	15				●	●	265052
	15-80/160	80	160	35.5	20	20	125	15				●	●	265054
	15-160/400	160	400	35.5	20	20	125	15				●	●	265056
15-200/800	200	800	35.5	20	20	125	15	●	●	265058				
MGFV325R	15-20/36	20	36	40.5	25	25	150	15	MGMN300.. MGGN300.. MRMN300..	M5×20	L4	●	●	265060
	15-30/50	30	50	40.5	25	25	150	15				●	●	265062
	15-50/80	50	80	40.5	25	25	150	15				●	●	265064
	15-80/160	80	160	40.5	25	25	150	15				●	●	265066
	15-160/400	160	400	40.5	25	25	150	15				●	●	265068
15-200/800	200	800	40.5	25	25	150	15	●	●	265070				
MGFV420R	15-20/36	20	36	35.5	20	20	125	15	MGMN400.. MGGN200.. MRMN200..	M5×20	L4	●	●	265072
	15-30/50	30	50	35.5	20	20	125	15				●	●	265074
	15-50/80	50	80	35.5	20	20	125	15				●	●	265076
	15-80/160	80	160	35.5	20	20	125	15				●	●	265078
	15-160/400	160	400	35.5	20	20	125	15				●	●	265080
15-200/800	200	800	35.5	20	20	125	15	●	●	265082				
MGFV425R	15-20/36	20	36	40.5	25	25	150	15	MGMN400.. MGGN400.. MRMN400..	M5×20	L4	●	●	265084
	15-30/50	30	50	40.5	25	25	150	15				●	●	265086
	15-50/80	50	80	40.5	25	25	150	15				●	●	265088
	15-80/160	80	160	40.5	25	25	150	15				●	●	265090
	15-160/400	160	400	40.5	25	25	150	15				●	●	265092
15-200/800	200	800	40.5	25	25	150	15	●	●	265094				
MGFV520R	15-30/50	30	50	35.5	20	20	125	15	MGMN500.. MGGN500.. MRMN500..	M5×20	L4	●	●	265096
	15-50/80	50	80	35.5	20	20	125	15				●	●	265098
	15-80/160	80	160	35.5	20	20	125	15				●	●	265100
	15-160/400	160	400	35.5	20	20	125	15				●	●	265102
	15-200/800	200	800	35.5	20	20	125	15				●	●	265104
MGFV525R	15-30/50	30	50	40.5	25	25	150	15	MGMN500.. MGGN500.. MRMN500..	M5×20	L4	●	●	265106
	15-50/80	50	80	40.5	25	25	150	15				●	●	265108
	15-80/160	80	160	40.5	25	25	150	15				●	●	265110
	15-160/400	160	400	40.5	25	25	150	15				●	●	265112
	15-200/800	200	800	40.5	25	25	150	15				●	●	265114

端面切槽加工

端面切槽车刀 End Face Grooving Tool

MGFV..L..



端面槽加工
Machining of End Face Grooving

工件旋转方向
Workpiece Rotation Direction

图示方向 (R) R-Type

刀片 (Inserts): A45-A46 零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number	
	ϕD_{min}	ϕD_{max}	f	b=h1	h	L	Tmax				R	L		
MGFV220L	10-20/36	20	36	30.5	20	20	125	10	MGMN200.. MGGN200.. MRMN200..	M5×20	L4	●	●	265116
	10-30/50	30	50	30.5	20	20	125	10				●	●	265118
	10-50/80	50	80	30.5	20	20	125	10				●	●	265120
	10-80/160	80	160	30.5	20	20	125	10				●	●	265122
	10-160/400	160	400	30.5	20	20	125	10				●	●	265124
	15-200/800	200	800	35.5	20	20	125	15				●	●	265126
MGFV225L	10-20/36	20	36	35.5	25	25	150	10	MGMN200.. MGGN200.. MRMN200..	M5×20	L4	●	●	265128
	10-30/50	30	50	35.5	25	25	150	10				●	●	265130
	10-50/80	50	80	35.5	25	25	150	10				●	●	265132
	10-80/160	80	160	35.5	25	25	150	10				●	●	265134
	10-160/400	160	400	35.5	25	25	150	10				●	●	265136
	15-200/800	200	800	40.5	25	25	150	15				●	●	265138
MGFV2.5-20L	10-20/36	20	36	30.5	20	20	125	10	MGMN250.. MGGN250.. MRMN250..	M5×20	L4	●	●	265140
	10-30/50	30	50	30.5	20	20	125	10				●	●	265142
	15-50/80	50	80	35.5	20	20	125	15				●	●	265144
	15-80/160	80	160	35.5	20	20	125	15				●	●	265146
	15-160/400	160	400	35.5	20	20	125	15				●	●	265148
	15-200/800	200	800	35.5	20	20	125	15				●	●	265150
MGFV2.5-25L	10-20/36	20	36	35.5	25	25	150	10	MGMN250.. MGGN250.. MRMN250..	M5×20	L4	●	●	265152
	10-30/50	30	50	35.5	25	25	150	10				●	●	265154
	15-50/80	50	80	40.5	25	25	150	15				●	●	265156
	15-80/160	80	160	40.5	25	25	150	15				●	●	265158
	15-160/400	160	400	40.5	25	25	150	15				●	●	265160
	15-200/800	200	800	40.5	25	25	150	15				●	●	265162
MGFV320L	15-20/36	20	36	35.5	20	20	125	15	MGMN300.. MGGN300.. MRMN300..	M5×20	L4	●	●	265164
	15-30/50	30	50	35.5	20	20	125	15				●	●	265166
	15-50/80	50	80	35.5	20	20	125	15				●	●	265168
	15-80/160	80	160	35.5	20	20	125	15				●	●	265170
	15-160/400	160	400	35.5	20	20	125	15				●	●	265172
	15-200/800	200	800	35.5	20	20	125	15				●	●	265174
MGFV325L	15-20/36	20	36	40.5	25	25	150	15	MGMN300.. MGGN300.. MRMN300..	M5×20	L4	●	●	265176
	15-30/50	30	50	40.5	25	25	150	15				●	●	265178
	15-50/80	50	80	40.5	25	25	150	15				●	●	265180
	15-80/160	80	160	40.5	25	25	150	15				●	●	265182
	15-160/400	160	400	40.5	25	25	150	15				●	●	265184
	15-200/800	200	800	40.5	25	25	150	15				●	●	265186
MGFV420L	15-20/36	20	36	35.5	20	20	125	15	MGMN400.. MGGN200.. MRMN200..	M5×20	L4	●	●	265188
	15-30/50	30	50	35.5	20	20	125	15				●	●	265190
	15-50/80	50	80	35.5	20	20	125	15				●	●	265192
	15-80/160	80	160	35.5	20	20	125	15				●	●	265194
	15-160/400	160	400	35.5	20	20	125	15				●	●	265196
	15-200/800	200	800	35.5	20	20	125	15				●	●	265198
MGFV425L	15-20/36	20	36	40.5	25	25	150	15	MGMN400.. MGGN400.. MRMN400..	M5×20	L4	●	●	265200
	15-30/50	30	50	40.5	25	25	150	15				●	●	265202
	15-50/80	50	80	40.5	25	25	150	15				●	●	265204
	15-80/160	80	160	40.5	25	25	150	15				●	●	265206
	15-160/400	160	400	40.5	25	25	150	15				●	●	265208
	15-200/800	200	800	40.5	25	25	150	15				●	●	265210
MGFV520L	15-30/50	30	50	35.5	20	20	125	15	MGMN500.. MGGN500.. MRMN500..	M5×20	L4	●	●	265212
	15-50/80	50	80	35.5	20	20	125	15				●	●	265214
	15-80/160	80	160	35.5	20	20	125	15				●	●	265216
	15-160/400	160	400	35.5	20	20	125	15				●	●	265218
	15-200/800	200	800	35.5	20	20	125	15				●	●	265220
MGFV525L	15-30/50	30	50	40.5	25	25	150	15	MGMN500.. MGGN500.. MRMN500..	M5×20	L4	●	●	265222
	15-50/80	50	80	40.5	25	25	150	15				●	●	265224
	15-80/160	80	160	40.5	25	25	150	15				●	●	265226
	15-160/400	160	400	40.5	25	25	150	15				●	●	265228
	15-200/800	200	800	40.5	25	25	150	15				●	●	265230

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

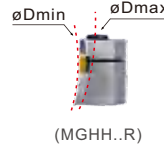
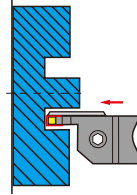
端面
切槽

阻尼
模组

MGHH..R..

端面槽加工
Machining of End Face Grooving

工件旋转方向
Workpiece Rotation Direction



图示方向 (R) R-Type

刀片 (Inserts): A45-A46 零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number	
	ϕD_{min}	ϕD_{max}	f	b=h1	h	L	Tmax				R	L		
MGHH216R	08-20/36	20	36	17	16	16	100	8	MGMN200.. MGGN200.. MRMN200..	M5×20	L4	●	●	265232
	10-30/50	30	50	17	16	16	100	10				●	●	265234
	12-50/80	50	80	17	16	16	100	12				●	●	265236
	13-80/160	80	160	17	16	16	100	13				●	●	265238
	14-160/400	160	400	17	16	16	100	14				●	●	265240
15-200/800	200	800	17	16	16	100	15	●	●	265242				
MGHH220R	08-20/36	20	36	21	20	20	125	8	MGMN200.. MGGN200.. MRMN200..	M5×20	L4	●	●	265244
	10-30/50	30	50	21	20	20	125	10				●	●	265246
	12-50/80	50	80	21	20	20	125	12				●	●	265248
	13-80/160	80	160	21	20	20	125	13				●	●	265250
	14-160/400	160	400	21	20	20	125	14				●	●	265252
15-200/800	200	800	21	20	20	125	15	●	●	265254				
MGHH225R	08-20/36	20	36	26	25	25	150	8	MGMN200.. MGGN200.. MRMN200..	M5×20	L4	●	●	265256
	10-30/50	30	50	26	25	25	150	10				●	●	265258
	12-50/80	50	80	26	25	25	150	12				●	●	265260
	13-80/160	80	160	26	25	25	150	13				●	●	265262
	14-160/400	160	400	26	25	25	150	14				●	●	265264
15-200/800	200	800	26	25	25	150	15	●	●	265266				
MGHH2.5-20R	13-20/36	20	36	21	20	20	125	13	MGMN250.. MGGN250.. MRMN250..	M5×20	L4	●	●	265268
	15-30/50	30	50	21	20	20	125	15				●	●	265270
	16-50/80	50	80	21	20	20	125	16				●	●	265272
	17-80/160	80	160	21	20	20	125	17				●	●	265274
	18-160/400	160	400	21	20	20	125	18				●	●	265276
20-200/800	200	800	21	20	20	125	20	●	●	265278				
MGHH2.5-25R	13-20/36	20	36	26	25	25	150	13	MGMN250.. MGGN250.. MRMN250..	M5×20	L4	●	●	265280
	15-30/50	30	50	26	25	25	150	15				●	●	265282
	16-50/80	50	80	26	25	25	150	16				●	●	265284
	17-80/160	80	160	26	25	25	150	17				●	●	265286
	18-160/400	160	400	26	25	25	150	18				●	●	265288
20-200/800	200	800	26	25	25	150	20	●	●	265290				
MGHH320R	13-20/36	20	36	21	20	20	125	13	MGMN300.. MGGN300.. MRMN300..	M5×20	L4	●	●	265292
	15-30/50	30	50	21	20	20	125	15				●	●	265294
	16-50/80	50	80	21	20	20	125	16				●	●	265296
	17-80/160	80	160	21	20	20	125	17				●	●	265298
	18-160/400	160	400	21	20	20	125	18				●	●	265300
20-200/800	200	800	21	20	20	125	20	●	●	265302				
MGHH325R	13-20/36	20	36	26	25	25	150	13	MGMN300.. MGGN300.. MRMN300..	M5×20	L4	●	●	265304
	15-30/50	30	50	26	25	25	150	15				●	●	265306
	16-50/80	50	80	26	25	25	150	16				●	●	265308
	17-80/160	80	160	26	25	25	150	17				●	●	265310
	18-160/400	160	400	26	25	25	150	18				●	●	265312
20-200/800	200	800	26	25	25	150	20	●	●	265314				
MGHH420R	15-20/36	20	36	21	20	20	125	15	MGMN400.. MGGN400.. MRMN400..	M5×20	L4	●	●	265316
	16-30/50	30	50	21	20	20	125	16				●	●	265318
	18-50/80	50	80	21	20	20	125	18				●	●	265320
	20-80/160	80	160	21	20	20	125	20				●	●	265322
	22-160/400	160	400	21	20	20	125	22				●	●	265324
23-200/800	200	800	21	20	20	125	23	●	●	265326				
MGHH425R	15-20/36	20	36	26	25	25	150	15	MGMN400.. MGGN400.. MRMN400..	M5×20	L4	●	●	265328
	16-30/50	30	50	26	25	25	150	16				●	●	265330
	18-50/80	50	80	26	25	25	150	18				●	●	265332
	20-80/160	80	160	26	25	25	150	20				●	●	265334
	22-160/400	160	400	26	25	25	150	22				●	●	265336
23-200/800	200	800	26	25	25	150	23	●	●	265338				
MGHH520R	17-30/50	30	50	21	20	20	125	17	MGMN500.. MGGN500.. MRMN500..	M5×20	L4	●	●	265340
	22-50/80	50	80	21	20	20	125	22				●	●	265342
	26-80/160	80	160	21	20	20	125	26				●	●	265344
	28-160/400	160	400	21	20	20	125	28				●	●	265346
	30-200/800	200	800	21	20	20	125	30				●	●	265348
MGHH525R	17-30/50	30	50	26	25	25	150	17	MGMN500.. MGGN500.. MRMN500..	M5×20	L4	●	●	265350
	22-50/80	50	80	26	25	25	150	22				●	●	265352
	26-80/160	80	160	26	25	25	150	26				●	●	265354
	28-160/400	160	400	26	25	25	150	28				●	●	265356
	30-200/800	200	800	26	25	25	150	30				●	●	265358

- 车削刀柄
- CSV 凸轮车床刀具
- DS 刀柄
- 正面排刀
- Y轴刀柄
- 前车削
- 后车削
- 小径切槽切断螺纹
- 小孔加工
- 滚花车花
- 焊接车刀夹头
- 外圆车削
- 内孔车削
- 螺纹车削
- 切槽切断
- 端面切槽
- 阻尼模组

端面切槽加工

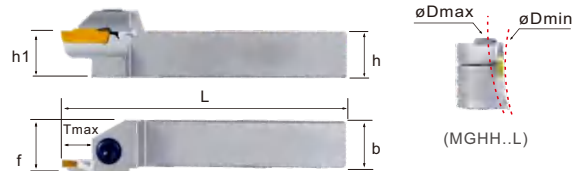
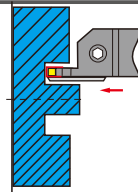
端面切槽车刀 End Face Grooving Tool

MGHH..L..

端面槽加工
Machining of End Face Grooving

刀片 (Inserts): A45-A46 零配件 (Toolholder Parts): P03-P05

工件旋转方向
Workpiece Rotation Direction



图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number	
	øDmin	øDmax	f	b=h1	h	L	Tmax				R	L		
MGHH216L	08-20/36	20	36	17	16	16	100	8	MGMN200.. MGGN200.. MRMN200..	M5×20	L4	●	●	265360
	10-30/50	30	50	17	16	16	100	10				●	●	265362
	12-50/80	50	80	17	16	16	100	12				●	●	265364
	13-80/160	80	160	17	16	16	100	13				●	●	265366
	14-160/400	160	400	17	16	16	100	14				●	●	265368
15-200/800	200	800	17	16	16	100	15	●	●	265370				
MGHH220L	08-20/36	20	36	21	20	20	125	8	MGMN200.. MGGN200.. MRMN200..	M5×20	L4	●	●	265372
	10-30/50	30	50	21	20	20	125	10				●	●	265374
	12-50/80	50	80	21	20	20	125	12				●	●	265376
	13-80/160	80	160	21	20	20	125	13				●	●	265378
	14-160/400	160	400	21	20	20	125	14				●	●	265380
15-200/800	200	800	21	20	20	125	15	●	●	265382				
MGHH225L	08-20/36	20	36	26	25	25	150	8	MGMN200.. MGGN200.. MRMN200..	M5×20	L4	●	●	265384
	10-30/50	30	50	26	25	25	150	10				●	●	265386
	12-50/80	50	80	26	25	25	150	12				●	●	265388
	13-80/160	80	160	26	25	25	150	13				●	●	265390
	14-160/400	160	400	26	25	25	150	14				●	●	265392
15-200/800	200	800	26	25	25	150	15	●	●	265394				
MGHH2.5-20L	13-20/36	20	36	21	20	20	125	13	MGMN250.. MGGN250.. MRMN250..	M5×20	L4	●	●	265396
	15-30/50	30	50	21	20	20	125	15				●	●	265398
	16-50/80	50	80	21	20	20	125	16				●	●	265400
	17-80/160	80	160	21	20	20	125	17				●	●	265402
	18-160/400	160	400	21	20	20	125	18				●	●	265404
20-200/800	200	800	21	20	20	125	20	●	●	265406				
MGHH2.5-25L	13-20/36	20	36	26	25	25	150	13	MGMN250.. MGGN250.. MRMN250..	M5×20	L4	●	●	265408
	15-30/50	30	50	26	25	25	150	15				●	●	265410
	16-50/80	50	80	26	25	25	150	16				●	●	265412
	17-80/160	80	160	26	25	25	150	17				●	●	265414
	18-160/400	160	400	26	25	25	150	18				●	●	265416
20-200/800	200	800	26	25	25	150	20	●	●	265418				
MGHH320L	13-20/36	20	36	21	20	20	125	13	MGMN300.. MGGN300.. MRMN300..	M5×20	L4	●	●	265420
	15-30/50	30	50	21	20	20	125	15				●	●	265422
	16-50/80	50	80	21	20	20	125	16				●	●	265424
	17-80/160	80	160	21	20	20	125	17				●	●	265426
	18-160/400	160	400	21	20	20	125	18				●	●	265428
20-200/800	200	800	21	20	20	125	20	●	●	265430				
MGHH325L	13-20/36	20	36	26	25	25	150	13	MGMN300.. MGGN300.. MRMN300..	M5×20	L4	●	●	265432
	15-30/50	30	50	26	25	25	150	15				●	●	265434
	16-50/80	50	80	26	25	25	150	16				●	●	265436
	17-80/160	80	160	26	25	25	150	17				●	●	265438
	18-160/400	160	400	26	25	25	150	18				●	●	265440
20-200/800	200	800	26	25	25	150	20	●	●	265442				
MGHH420L	15-20/36	20	36	21	20	20	125	15	MGMN400.. MGGN400.. MRMN400..	M5×20	L4	●	●	265444
	16-30/50	30	50	21	20	20	125	16				●	●	265446
	18-50/80	50	80	21	20	20	125	18				●	●	265448
	20-80/160	80	160	21	20	20	125	20				●	●	265450
	22-160/400	160	400	21	20	20	125	22				●	●	265452
23-200/800	200	800	21	20	20	125	23	●	●	265454				
MGHH425L	15-20/36	20	36	26	25	25	150	15	MGMN400.. MGGN400.. MRMN400..	M5×20	L4	●	●	265456
	16-30/50	30	50	26	25	25	150	16				●	●	265458
	18-50/80	50	80	26	25	25	150	18				●	●	265460
	20-80/160	80	160	26	25	25	150	20				●	●	265462
	22-160/400	160	400	26	25	25	150	22				●	●	265464
23-200/800	200	800	26	25	25	150	23	●	●	265466				
MGHH520L	17-30/50	30	50	21	20	20	125	17	MGMN500.. MGGN500.. MRMN500..	M5×20	L4	●	●	265468
	22-50/80	50	80	21	20	20	125	22				●	●	265470
	26-80/160	80	160	21	20	20	125	26				●	●	265472
	28-160/400	160	400	21	20	20	125	28				●	●	265474
	30-200/800	200	800	21	20	20	125	30				●	●	265476
MGHH525L	17-30/50	30	50	26	25	25	150	17	MGMN500.. MGGN500.. MRMN500..	M5×20	L4	●	●	265478
	22-50/80	50	80	26	25	25	150	22				●	●	265480
	26-80/160	80	160	26	25	25	150	26				●	●	265482
	28-160/400	160	400	26	25	25	150	28				●	●	265484
	30-200/800	200	800	26	25	25	150	30				●	●	265486

车削
车刀柄

CSV
凸轮
车床
刀具

DS
车刀柄

正面
排刀

Y轴
车刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

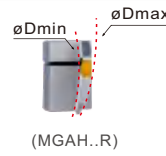
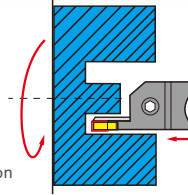
螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

MGAH..R..



端面槽加工
Machining of End Face Grooving

刀片 (Inserts): A45-A46 零配件 (Toolholder Parts): A17-A18

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number	
	øDmin	øDmax	f	b=h1	h	L	Tmax				R	L		
MGAH216R	08-20/36	20	36	17	16	16	100	8	MGMN200.. MGGN200.. MRMN200..	M5×20	L4	●	●	265488
	10-30/50	30	50	17	16	16	100	10				●	●	265490
	12-50/80	50	80	17	16	16	100	12				●	●	265492
	13-80/160	80	160	17	16	16	100	13				●	●	265494
	14-160/400	160	400	17	16	16	100	14				●	●	265496
15-200/800	200	800	17	16	16	100	15	●	●	265498				
MGAH220R	08-20/36	20	36	21	20	20	125	8	MGMN200.. MGGN200.. MRMN200..	M5×20	L4	●	●	265500
	10-30/50	30	50	21	20	20	125	10				●	●	265502
	12-50/80	50	80	21	20	20	125	12				●	●	265504
	13-80/160	80	160	21	20	20	125	13				●	●	265506
	14-160/400	160	400	21	20	20	125	14				●	●	265508
15-200/800	200	800	21	20	20	125	15	●	●	265510				
MGAH225R	08-20/36	20	36	26	25	25	150	8	MGMN200.. MGGN200.. MRMN200..	M5×20	L4	●	●	265512
	10-30/50	30	50	26	25	25	150	10				●	●	265514
	12-50/80	50	80	26	25	25	150	12				●	●	265516
	13-80/160	80	160	26	25	25	150	13				●	●	265518
	14-160/400	160	400	26	25	25	150	14				●	●	265520
15-200/800	200	800	26	25	25	150	15	●	●	265522				
MGAH2.5-20R	13-20/36	20	36	21	20	20	125	13	MGMN250.. MGGN250.. MRMN250..	M5×20	L4	●	●	265524
	15-30/50	30	50	21	20	20	125	15				●	●	265526
	16-50/80	50	80	21	20	20	125	16				●	●	265528
	17-80/160	80	160	21	20	20	125	17				●	●	265530
	18-160/400	160	400	21	20	20	125	18				●	●	265532
20-200/800	200	800	21	20	20	125	20	●	●	265534				
MGAH2.5-25R	13-20/36	20	36	26	25	25	150	13	MGMN250.. MGGN250.. MRMN250..	M5×20	L4	●	●	265536
	15-30/50	30	50	26	25	25	150	15				●	●	265538
	16-50/80	50	80	26	25	25	150	16				●	●	265540
	17-80/160	80	160	26	25	25	150	17				●	●	265542
	18-160/400	160	400	26	25	25	150	18				●	●	265544
20-200/800	200	800	26	25	25	150	20	●	●	265546				
MGAH320R	13-20/36	20	36	21	20	20	125	13	MGMN300.. MGGN300.. MRMN300..	M5×20	L4	●	●	265548
	15-30/50	30	50	21	20	20	125	15				●	●	265550
	16-50/80	50	80	21	20	20	125	16				●	●	265552
	17-80/160	80	160	21	20	20	125	17				●	●	265554
	18-160/400	160	400	21	20	20	125	18				●	●	265556
20-200/800	200	800	21	20	20	125	20	●	●	265558				
MGAH325R	13-20/36	20	36	26	25	25	150	13	MGMN300.. MGGN300.. MRMN300..	M5×20	L4	●	●	265560
	15-30/50	30	50	26	25	25	150	15				●	●	265562
	16-50/80	50	80	26	25	25	150	16				●	●	265564
	17-80/160	80	160	26	25	25	150	17				●	●	265566
	18-160/400	160	400	26	25	25	150	18				●	●	265568
20-200/800	200	800	26	25	25	150	20	●	●	265570				
MGAH420R	15-20/36	20	36	21	20	20	125	15	MGMN400.. MGGN400.. MRMN400..	M5×20	L4	●	●	265572
	16-30/50	30	50	21	20	20	125	16				●	●	265574
	18-50/80	50	80	21	20	20	125	18				●	●	265576
	20-80/160	80	160	21	20	20	125	20				●	●	265578
	22-160/400	160	400	21	20	20	125	22				●	●	265580
23-200/800	200	800	21	20	20	125	23	●	●	265582				
MGAH425R	15-20/36	20	36	26	25	25	150	15	MGMN400.. MGGN400.. MRMN400..	M5×20	L4	●	●	265584
	16-30/50	30	50	26	25	25	150	16				●	●	265586
	18-50/80	50	80	26	25	25	150	18				●	●	265588
	20-80/160	80	160	26	25	25	150	20				●	●	265590
	22-160/400	160	400	26	25	25	150	22				●	●	265592
23-200/800	200	800	26	25	25	150	23	●	●	265594				
MGAH520R	17-30/50	30	50	21	20	20	125	17	MGMN500.. MGGN500.. MRMN500..	M5×20	L4	●	●	265596
	22-50/80	50	80	21	20	20	125	22				●	●	265598
	26-80/160	80	160	21	20	20	125	26				●	●	265600
	28-160/400	160	400	21	20	20	125	28				●	●	265602
	30-200/800	200	800	21	20	20	125	30				●	●	265604
MGAH525R	17-30/50	30	50	26	25	25	150	17	MGMN500.. MGGN500.. MRMN500..	M5×20	L4	●	●	265606
	22-50/80	50	80	26	25	25	150	22				●	●	265608
	26-80/160	80	160	26	25	25	150	26				●	●	265610
	28-160/400	160	400	26	25	25	150	28				●	●	265612
	30-200/800	200	800	26	25	25	150	30				●	●	265614

车削刀柄

CSV 凸轮车床刀具

DS 刀柄

正面排刀

Y轴刀柄

前车削

后车削

小径切槽切断螺纹

小孔加工

滚花车花

焊接车刀夹头

外圆车削

内孔车削

螺纹车削

切槽切断

端面切槽

阻尼模组

端面切槽加工

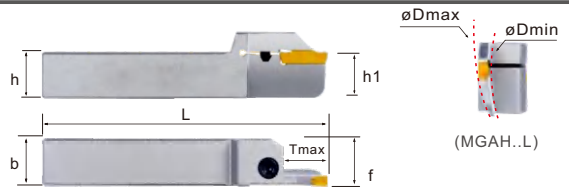
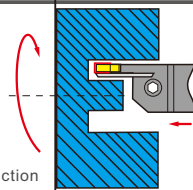
端面切槽车刀 End Face Grooving Tool

MGAH..L..

端面槽加工
Machining of End Face Grooving

刀片 (Inserts): A45-A46 零配件 (Toolholder Parts): A17-A18

工件旋转方向
Workpiece Rotation Direction



图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number	
	øDmin	øDmax	f	b=h1	h	L	Tmax				R	L		
MGAH216L	08-20/36	20	36	17	16	16	100	8	MGMN200.. MGGN200.. MRMN200..	M5×20	L4	●	●	265616
	10-30/50	30	50	17	16	16	100	10				●	●	265618
	12-50/80	50	80	17	16	16	100	12				●	●	265620
	13-80/160	80	160	17	16	16	100	13				●	●	265622
	14-160/400	160	400	17	16	16	100	14				●	●	265624
15-200/800	200	800	17	16	16	100	15	●	●	265626				
MGAH220L	08-20/36	20	36	21	20	20	125	8	MGMN200.. MGGN200.. MRMN200..	M5×20	L4	●	●	265628
	10-30/50	30	50	21	20	20	125	10				●	●	265630
	12-50/80	50	80	21	20	20	125	12				●	●	265632
	13-80/160	80	160	21	20	20	125	13				●	●	265634
	14-160/400	160	400	21	20	20	125	14				●	●	265636
15-200/800	200	800	21	20	20	125	15	●	●	265638				
MGAH225L	08-20/36	20	36	26	25	25	150	8	MGMN200.. MGGN200.. MRMN200..	M5×20	L4	●	●	265640
	10-30/50	30	50	26	25	25	150	10				●	●	265642
	12-50/80	50	80	26	25	25	150	12				●	●	265644
	13-80/160	80	160	26	25	25	150	13				●	●	265646
	14-160/400	160	400	26	25	25	150	14				●	●	265648
15-200/800	200	800	26	25	25	150	15	●	●	265650				
MGAH2.5-20L	13-20/36	20	36	21	20	20	125	13	MGMN250.. MGGN250.. MRMN250..	M5×20	L4	●	●	265652
	15-30/50	30	50	21	20	20	125	15				●	●	265654
	16-50/80	50	80	21	20	20	125	16				●	●	265656
	17-80/160	80	160	21	20	20	125	17				●	●	265658
	18-160/400	160	400	21	20	20	125	18				●	●	265660
20-200/800	200	800	21	20	20	125	20	●	●	265662				
MGAH2.5-25L	13-20/36	20	36	26	25	25	150	13	MGMN250.. MGGN250.. MRMN250..	M5×20	L4	●	●	265664
	15-30/50	30	50	26	25	25	150	15				●	●	265666
	16-50/80	50	80	26	25	25	150	16				●	●	265668
	17-80/160	80	160	26	25	25	150	17				●	●	265670
	18-160/400	160	400	26	25	25	150	18				●	●	265672
20-200/800	200	800	26	25	25	150	20	●	●	265674				
MGAH320L	13-20/36	20	36	21	20	20	125	13	MGMN300.. MGGN300.. MRMN300..	M5×20	L4	●	●	265676
	15-30/50	30	50	21	20	20	125	15				●	●	265678
	16-50/80	50	80	21	20	20	125	16				●	●	265680
	17-80/160	80	160	21	20	20	125	17				●	●	265682
	18-160/400	160	400	21	20	20	125	18				●	●	265684
20-200/800	200	800	21	20	20	125	20	●	●	265686				
MGAH325L	13-20/36	20	36	26	25	25	150	13	MGMN300.. MGGN300.. MRMN300..	M5×20	L4	●	●	265688
	15-30/50	30	50	26	25	25	150	15				●	●	265690
	16-50/80	50	80	26	25	25	150	16				●	●	265692
	17-80/160	80	160	26	25	25	150	17				●	●	265694
	18-160/400	160	400	26	25	25	150	18				●	●	265696
20-200/800	200	800	26	25	25	150	20	●	●	265698				
MGAH420L	15-20/36	20	36	21	20	20	125	15	MGMN400.. MGGN400.. MRMN400..	M5×20	L4	●	●	265700
	16-30/50	30	50	21	20	20	125	16				●	●	265702
	18-50/80	50	80	21	20	20	125	18				●	●	265704
	20-80/160	80	160	21	20	20	125	20				●	●	265706
	22-160/400	160	400	21	20	20	125	22				●	●	265708
23-200/800	200	800	21	20	20	125	23	●	●	265710				
MGAH425L	15-20/36	20	36	26	25	25	150	15	MGMN400.. MGGN400.. MRMN400..	M5×20	L4	●	●	265712
	16-30/50	30	50	26	25	25	150	16				●	●	265714
	18-50/80	50	80	26	25	25	150	18				●	●	265716
	20-80/160	80	160	26	25	25	150	20				●	●	265718
	22-160/400	160	400	26	25	25	150	22				●	●	265720
23-200/800	200	800	26	25	25	150	23	●	●	265722				
MGAH520L	17-30/50	30	50	21	20	20	125	17	MGMN500.. MGGN500.. MRMN500..	M5×20	L4	●	●	265724
	22-50/80	50	80	21	20	20	125	22				●	●	265726
	26-80/160	80	160	21	20	20	125	26				●	●	265728
	28-160/400	160	400	21	20	20	125	28				●	●	265730
	30-200/800	200	800	21	20	20	125	30				●	●	265732
MGAH525L	17-30/50	30	50	26	25	25	150	17	MGMN500.. MGGN500.. MRMN500..	M5×20	L4	●	●	265734
	22-50/80	50	80	26	25	25	150	22				●	●	265736
	26-80/160	80	160	26	25	25	150	26				●	●	265737
	28-160/400	160	400	26	25	25	150	28				●	●	265738
	30-200/800	200	800	26	25	25	150	30				●	●	265739

车削
车刀柄

CSV
凸轮
车床
刀具

DS
车刀柄

正面
排刀

Y轴
车刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

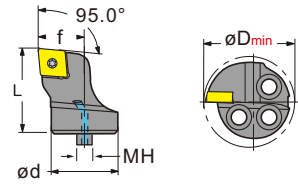
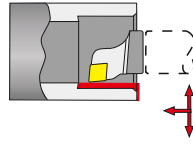
切槽
切断

端面
切槽

阻尼
模组

MH-SCLCR型

MH-SCLCR type



MH 带内冷切削头
MH Cutting Head With Water Hole

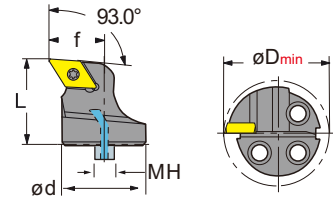
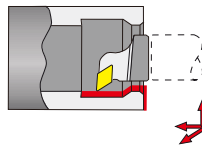
刀片 (Inserts): A19-A20 零配件 (Toolholder Parts): P03-P05

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number	Price (RMB)
	øD _{min}	ød	f	L	K.G	MH				R	L		
MH16 - SCLCR/L 06	20	16	11	20	0.03	MH16	CC..0602..	M2.5×6	T8	●	●		
MH20 - SCLCR/L 09	25	20	13	20	0.05	MH20	CC..09T3..	M4.0×8	T15	●	●		
MH25 - SCLCR/L 09	32	25	17	20	0.07	MH25							
MH32 - SCLCR/L 09	40	32	22	32	0.13	MH32							
MH40 - SCLCR/L 12	50	40	27	38	0.24	MH40				CC..1204..	M5.0×12	T20	●

MH-SDUCR型

MH-SDUCR type



MH 带内冷切削头
MH Cutting Head With Water Hole

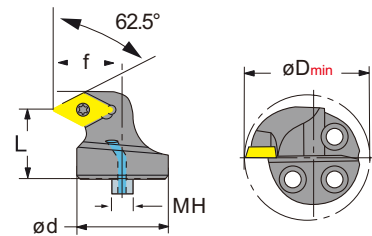
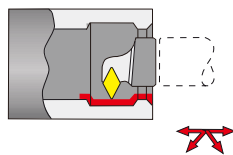
刀片 (Inserts): A21-A22 零配件 (Toolholder Parts): P03-P05

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number	Price (RMB)
	øD _{min}	ød	f	L	K.G	MH				R	L		
MH16 - SDUCR/L 07	20	16	11	20	0.03	MH16	DC..0702..	M2.5×6	T8	●	●		
MH20 - SDUCR/L 11	25	20	13	20	0.05	MH20	DC..11T3..	M4.0×10	T15	●	●		
MH25 - SDUCR/L 11	32	25	17	20	0.07	MH25							
MH32 - SDUCR/L 11	40	32	22	32	0.13	MH32							
MH40 - SDUCR/L 11	50	40	27	32	0.20	MH40						●	●

MH-SDWCR型

MH-SDWCR type



MH 带内冷切削头
MH Cutting Head With Water Hole

刀片 (Inserts): A21-A22 零配件 (Toolholder Parts): P03-P05

图示方向 (R)

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number	Price (RMB)
	øD _{min}	ød	f	L	K.G	MH				R	L		
MH16 - SDWCR/L 07	22	16	13	15	0.03	MH16	DC..0702..	M2.5×6	T8	●	●		
MH20 - SDWCR/L 11	27	20	15	15	0.04	MH20	DC..11T3..	M4.0×10	T15	●	●		
MH25 - SDWCR/L 11	33	25	18	15	0.06	MH25							
MH32 - SDWCR/L 11	40	32	22	20	0.12	MH32							
MH40 - SDWCR/L 11	50	40	27	20	0.18	MH40						●	●

车削刀柄

CSV 凸轮车削刀具

DS 刀柄

正面排刀

Y轴刀柄

前车削

后车削

小径切槽切断螺纹

小孔加工

滚花车花

焊接车刀夹头

外圆车削

内孔车削

螺纹车削

切槽切断

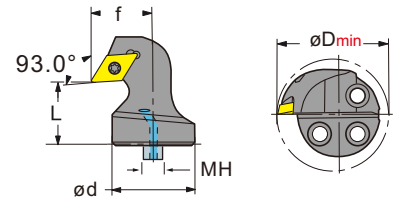
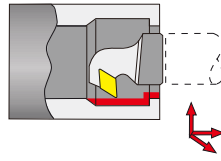
端面切槽

阻尼模组

MH-SDZCR型

MH-SDZCR type

MH 带内冷切削头
MH Cutting Head With Water Hole



图示方向 (R) R-Type

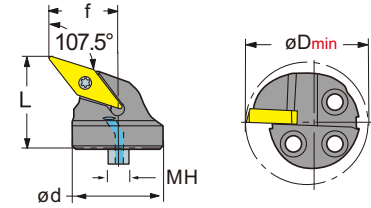
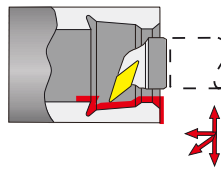
刀片 (Inserts): A21-A22 零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number	Price (RMB)
	øD _{min}	ød	f	L	K.G	MH				R	L		
MH16 - SDZCR/L 07	22	16	13	15	0.03	MH16	DC..0702..	M2.5×6	T8	●	●		
MH20 - SDZCR/L 07	27	20	15	15	0.05	MH20				●	●		
MH25 - SDZCR/L 07	33	25	18	15	0.06	MH25	●	●	T15	●	●		
MH32 - SDZCR/L 11	40	32	22	20	0.14	MH32	●	●					
MH40 - SDZCR/L 11	50	40	27	20	0.23	MH40	●	●					

MH-SVQCR型

MH-SVQCR type

MH 带内冷切削头
MH Cutting Head With Water Hole



图示方向 (R) R-Type

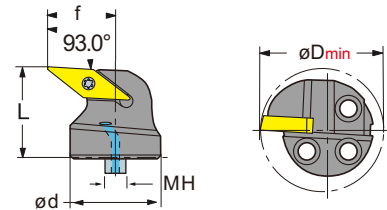
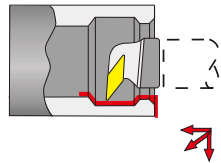
刀片 (Inserts): A29-A32 零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number	Price (RMB)
	øD _{min}	ød	f	L	K.G	MH				R	L		
MH20 - SVQCR/L 11	27	20	15	20	0.04	MH20	VC..1103..	M2.5×6	T8	●	●		
MH25 - SVQCR/L 11	33	25	18	20	0.05	MH25				●	●		

MH-SVUCR型

MH-SVUCR type

MH 带内冷切削头
MH Cutting Head With Water Hole



图示方向 (R) R-Type

刀片 (Inserts): A29-A32 零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number	Price (RMB)
	øD _{min}	ød	f	L	K.G	MH				R	L		
MH20 - SVUCR/L 11	27	20	15	20	0.05	MH20	VC..1103..	M2.5×6	T8	●	●		
MH25 - SVUCR/L 11	33	25	18	20	0.06	MH25				●	●		

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

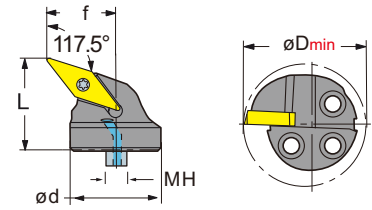
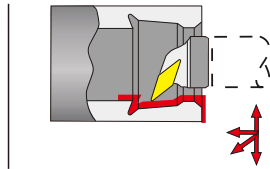
切槽
切断

端面
切槽

阻尼
模组

MH-SVPBR型

MH-SVPBR type



MH 带内冷切削头
MH Cutting Head With Water Hole

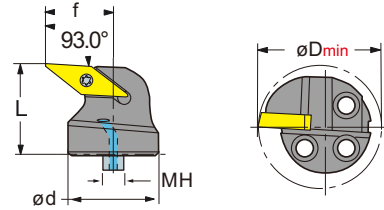
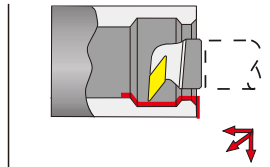
刀片 (Inserts): A29-A32 零配件 (Toolholder Parts): P03-P05

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number	Price (RMB)
	øD _{min}	ød	f	L	K.G	MH				R	L		
MH32 - SVPBR/L 16	40	32	22	34	0.12	MH32	VB..1604..	M4.0×10	T15	●	●		
MH40 - SVPBR/L 16	50	40	27	34	0.17	MH40				●	●		

MH-SVUBR型

MH-SVUBR type



MH 带内冷切削头
MH Cutting Head With Water Hole

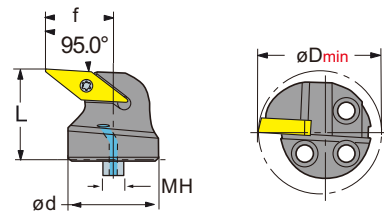
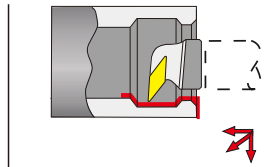
刀片 (Inserts): A29-A32 零配件 (Toolholder Parts): P03-P05

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number	Price (RMB)
	øD _{min}	ød	f	L	K.G	MH				R	L		
MH20 - SVUBR/L 11	27	20	16	20	0.05	MH20	VB..1103..	M2.5×6	T8	●	●		
MH25 - SVUBR/L 11	31	25	17	25	0.08	MH25				●	●		

MH-SVLBR型

MH-SVLBR type



MH 带内冷切削头
MH Cutting Head With Water Hole

刀片 (Inserts): A29-A32 零配件 (Toolholder Parts): P03-P05

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	螺丝 Screw	扳手 Wrench	Stock		Order Number	Price (RMB)
	øD _{min}	ød	f	L	K.G	MH				R	L		
MH25 - SVLBR/L 16	35	25	20	22	0.07	MH25	VB..1604..	M4.0×10	T15	●	●		
MH32 - SVLBR/L 16	40	32	22	32	0.13	MH32				●	●		
MH40 - SVLBR/L 16	50	40	27	32	0.18	MH40				●	●		

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

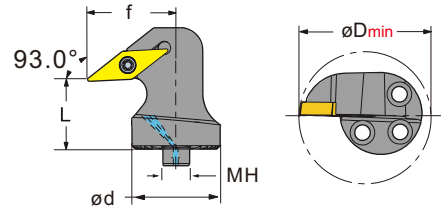
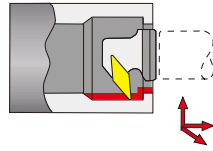
端面
切槽

阻尼
模组

MH-SVZCR型

MH-SVZCR type

MH 带内冷切削头
MH Cutting Head With Water Hole



刀片 (Inserts): A29-A32 零配件 (Toolholder Parts): P03-P05

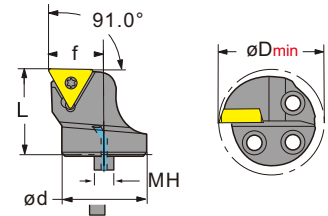
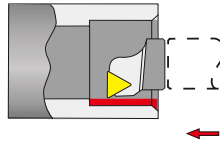
图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert 	螺丝 Screw 	扳手 Wrench 	Stock		Order Number	Price (RMB)
	øD _{min}	ød	f	L	K.G	MH				R	L		
MH20 - SVZCR/L 11	32	20	20	15	0.05	MH20	VC..1103..	M2.5×6	T8	●	●		
MH25 - SVZCR/L 11	37	25	22	15	0.08	MH25				●	●		

MH-STFCR型

MH-STFCR type

MH 带内冷切削头
MH Cutting Head With Water Hole



刀片 (Inserts): A27-A28 零配件 (Toolholder Parts): P03-P05

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert 	螺丝 Screw 	扳手 Wrench 	Stock		Order Number	Price (RMB)
	øD _{min}	ød	f	L	K.G	MH				R	L		
MH16 - STFCR/L 11	20	16	11	20	0.03	MH16	TC..1102..	M2.5×6	T8	●	●		
MH20 - STFCR/L 11	25	20	13	20	0.04	MH20				●	●		
MH25 - STFCR/L 11	32	25	17	20	0.06	MH25				●	●		
MH32 - STFCR/L 16	40	32	22	32	0.14	MH32	TC..16T3..	M4.0×10	T15	●	●		
MH40 - STFCR/L 16	50	40	27	32	0.21	MH40				●	●		

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

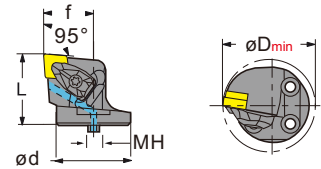
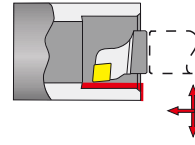
端面
切槽

阻尼
模组

MH-DCLNR型

MH-DCLNR type

MH 带内冷切削头
MH Cutting Head With Water Hole



刀片 (Inserts): A01-A02 零配件 (Toolholder Parts): P03-P05

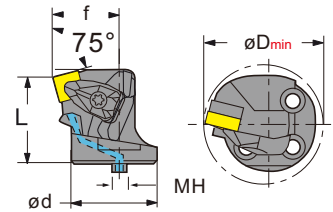
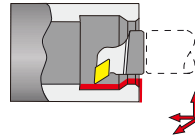
图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	刀垫 Shim	刀垫螺丝 Shim Screw	压板 Clamp	压板螺丝 Screw	扳手 Wrench	Stock		Order Number	Price (RMB)
	øD _{min}	ød	f	L	K.G	MH							R	L		
MH32 - DCLNR 12	40	32	22	38	0.17	MH32							●	●		
MH40 - DCLNR 12	50	40	27	38	0.22	MH40	CN..1204..	MC1204	M6X9P	MZG-1	M6X21	PL30	●	●		
MH40 - DCLNR 16	57	40	32	40	0.32	MH40	CN..1606..	MC1604	M8X9P	YB-DC16	M8X25	PL40	●	●		
MH40 - DCLNR 19	57	40	34	42	0.33	MH40	CN..1906..	MC1904	M10X9P	YB-DC19	M10X30	PL50	●	●		

MH-DSKNR型

MH-DSKNR type

MH 带内冷切削头
MH Cutting Head With Water Hole



刀片 (Inserts): A07-A08 零配件 (Toolholder Parts): P03-P05

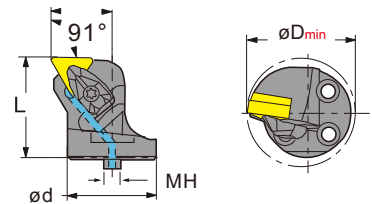
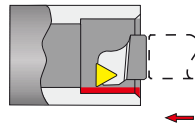
图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	刀垫 Shim	刀垫螺丝 Shim Screw	压板 Clamp	压板螺丝 Screw	扳手 Wrench	Stock		Order Number	Price (RMB)
	øD _{min}	ød	f	L	K.G	MH							R	L		
MH40 - DSKNR 12	50	40	27	38	0.27	MH40	SN..1204..	MS1204	M6X9P	MZG-1	M6X21	PL30	●	●		
MH40 - DSKNR 15	55	40	29	36	0.31	MH40	SN..1506..	MS1504	M8X9P	YB-DC16	M8X25	PL40	●	●		

MH-DTFNR型

MH-DTFNR type

MH 带内冷切削头
MH Cutting Head With Water Hole



刀片 (Inserts): A09-A12 零配件 (Toolholder Parts): P03-P05

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	刀垫 Shim	刀垫螺丝 Shim Screw	压板 Clamp	压板螺丝 Screw	扳手 Wrench	Stock		Order Number	Price (RMB)
	øD _{min}	ød	f	L	K.G	MH							R	L		
MH32 - DTFNR 16	40	32	22	36	0.15	MH32							●	●		
MH40 - DTFNR 16	50	40	27	36	0.23	MH40	TN..1604..	MT1603	M5X9P	MZG-2	M6X21	PL30	●	●		

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

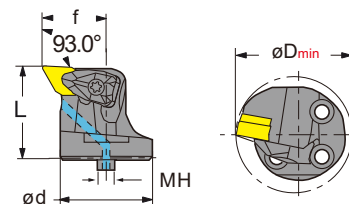
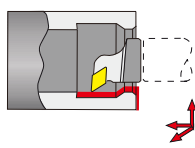
端面
切槽

阻尼
模组

MH-DDUNR型

MH-DDUNR type

MH 带内冷切削头
MH Cutting Head With Water Hole



图示方向 (R) R-Type

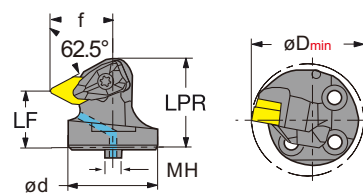
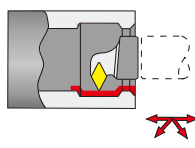
刀片 (Inserts): A03-A04 零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	刀垫 Shim	刀垫螺丝 Shim Screw	压板 Clamp	压板螺丝 Screw	扳手 Wrench	Stock		Order Number	Price (RMB)
	øD _{min}	ød	f	L	K.G	MH							R	L		
MH32-DDUNR 15	40	32	22	32	0.13	MH32	DN..1104..	MD1104	M5X9P	MZG-4	M6X21	PL30	●	●		
MH40-DDUNR 15	50	40	27	32	0.21	MH40	DN..1506..	MD1504	M6X9P	MZG-4	M6X21	PL30	●	●		

MH-DDWNR型

MH-DDWNR type

MH 带内冷切削头
MH Cutting Head With Water Hole



图示方向 (R) R-Type

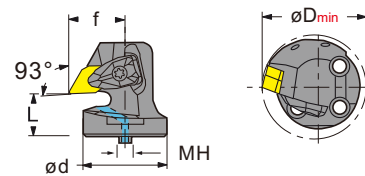
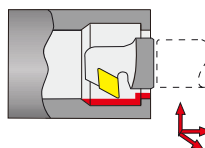
刀片 (Inserts): A03-A04 零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	刀垫 Shim	刀垫螺丝 Shim Screw	压板 Clamp	压板螺丝 Screw	扳手 Wrench	Stock		Order Number	Price (RMB)
	øD _{min}	ød	f	L	K.G	MH							R	L		
MH32-DDWNR 15	40	32	22	20	0.12	MH32	DN..1104..	MD1104	M5X9P	MZG-4	M6X21	PL30	●	●		
MH40-DDWNR 15	50	40	27	22	0.22	MH40	DN..1506..	MD1504	M6X9P	MZG-4	M6X21	PL30	●	●		

MH-DDZNR型

MH-DDZNR type

MH 带内冷切削头
MH Cutting Head With Water Hole



图示方向 (R) R-Type

刀片 (Inserts): A03-A04 零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	刀垫 Shim	刀垫螺丝 Shim Screw	压板 Clamp	压板螺丝 Screw	扳手 Wrench	Stock		Order Number	Price (RMB)
	øD _{min}	ød	f	L	K.G	MH							R	L		
MH40-DDZNR 15	50	40	27	20	0.29	MH40	DN..1506..	MD1504	M6X9P	MZG-4	M6X21	PL30	●	●		

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

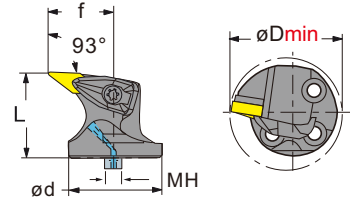
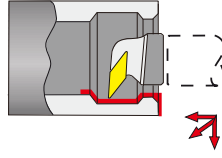
切槽
切断

端面
切槽

阻尼
模组

MH-DVUNR型

MH-DVUNR type



MH 带内冷切削头
MH Cutting Head With Water Hole

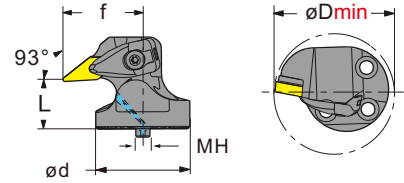
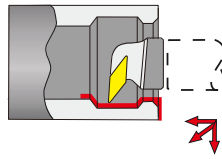
刀片 (Inserts): [A13-A14](#) 零配件 (Toolholder Parts): [P03-P05](#)

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	刀垫 Shim	刀垫螺丝 Shim Screw	压板 Clamp	压板螺丝 Screw	扳手 Wrench	Stock		Order Number	Price (RMB)
	øD _{min}	ød	f	L	K.G	MH							R	L		
MH40 - DVUNR 16	52	40	30	36	0.25	MH40	VN..1604..	MV1603	M5X9P	MZG-3	M6X21	PL30	●	●		

MH-DVZNR型

MH-DVZNR type



MH 带内冷切削头
MH Cutting Head With Water Hole

刀片 (Inserts): [A13-A14](#) 零配件 (Toolholder Parts): [P03-P05](#)

图示方向 (R) R-Type

刀把型号 Ordering code	尺寸 Dimensions						刀片 Insert	刀垫 Shim	刀垫螺丝 Shim Screw	压板 Clamp	压板螺丝 Screw	扳手 Wrench	Stock		Order Number	Price (RMB)
	øD _{min}	ød	f	L	K.G	MH							R	L		
MH40 - DVZNR 16	56	40	34	20	0.27	MH40	VN..1604..	MV1603	M5X9P	MZG-3	M6X21	PL30	●	●		

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

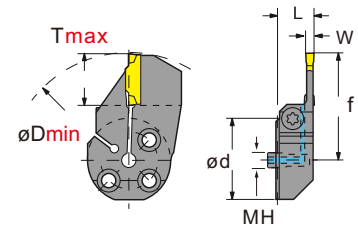
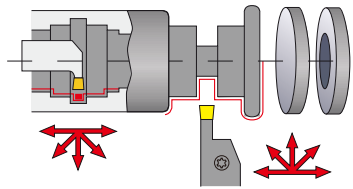
端面
切槽

阻尼
模组

MH-123型

MH-123 type

MH 带内冷切削头
MH Cutting Head With Water Hole



图示方向 (R) R-Type

刀片 (Inserts): A49 零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions								刀片 Insert	压板螺丝 Screw	扳手 Wrench	Stock		Order Number	Price (RMB)
	øD _{min}	T _{max}	ød	f	L	W	K.G	MH				R	L		
MH25 R/LF123D12B	45	12	25	31	14	1.5	0.08	MH25	N123D2-0150...	M6X21	PL30	●	●		
MH32 R/LF123D12B	55	12	32	35	14	1.5	0.11	MH32	N123D2-0150...			●	●		
MH25 R/LF123E15B	50	15	25	34	14	2	0.08	MH25	N123E2-0200...			●	●		
MH32 R/LF123E15B	60	15	32	37	14	2	0.11	MH32	N123E2-0200...			●	●		
MH25 R/LF123F15B	50	15	25	34	14	2.5	0.08	MH25	N123F2-0250...			●	●		
MH32 R/LF123F15B	60	15	32	37	14	2.5	0.12	MH32	N123F2-0250...			●	●		
MH25 R/LF123G18B	55	18	25	37	14	3	0.09	MH25	N123G2-0300...			●	●		
MH32 R/LF123G18B	65	18	32	41	14	3	0.13	MH32	N123G2-0300...			●	●		
MH40 R/LF123G18B	75	18	40	45	14	3	0.17	MH40	N123G2-0300...			●	●		
MH32 R/LF123H23B	70	23	32	46	18	4	0.16	MH32	N123H2-0400...			●	●		
MH40 R/LF123H23B	75	23	40	50	18	4	0.09	MH40	N123H2-0400...			●	●		
MH32 R/LF123J18B	70	18	32	41	18	5	0.14	MH32	N123J2-0500...			●	●		
MH40 R/LF123J18B	75	18	40	45	18	5	0.21	MH40	N123J2-0500...			●	●		
MH40 R/LF123K18B	75	18	40	45	18	6	0.21	MH40	N123K2-0600...			●	●		

MH-MG 型

MH-MG type

MH 带内冷切削头
MH Cutting Head With Water Hole

刀片 (Inserts): A45-A46 零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions								刀片 Insert	压板螺丝 Screw	扳手 Wrench	Stock		Order Number	Price (RMB)
	øD _{min}	T _{max}	ød	f	L	W	K.G	MH				R	L		
MH25 MGR/L 1.5T12	45	12	25	26	14	1.5	0.08	MH25	MG..150..	M6X21	PL30	●	●		
MH32 MGR/L 1.5T12	55	12	32	29	14	1.5	0.11	MH32	MG..150..			●	●		
MH25 MGR/L 2T16	50	16	25	29	14	2	0.08	MH25	MG..200..			●	●		
MH32 MGR/L 2T16	60	16	32	33	14	2	0.11	MH32	MG..200..			●	●		
MH25 MGR/L 2.5T18	50	18	25	32	14	2.5	0.08	MH25	MG..250..			●	●		
MH32 MGR/L 2.5T18	60	18	32	36	14	2.5	0.12	MH32	MG..250..			●	●		
MH25 MGR/L 3T20	55	20	25	35	14	3	0.09	MH25	MG..300..			●	●		
MH32 MGR/L 3T20	65	20	32	38	14	3	0.13	MH32	MG..300..			●	●		
MH40 MGR/L 3T20	75	20	40	43	14	3	0.17	MH40	MG..300..			●	●		
MH32 MGR/L 4T20	70	20	32	38	18	4	0.16	MH32	MG..400..			●	●		
MH40 MGR/L 4T20	75	20	40	43	18	4	0.09	MH40	MG..400..			●	●		
MH32 MGR/L 5T25	70	25	32	45	18	5	0.14	MH32	MG..500..			●	●		
MH40 MGR/L 5T25	75	25	40	50	18	5	0.21	MH40	MG..500..			●	●		
MH40 MGR/L 6T25	75	25	40	50	18	6	0.21	MH40	MG..600..			●	●		

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

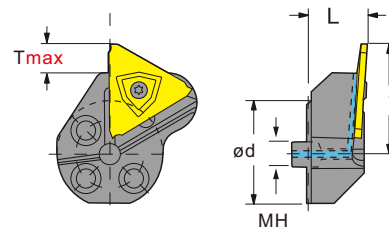
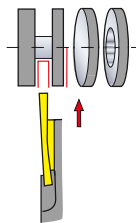
阻尼
模组

车削
车刀柄

MH-123型

MH-DVZNR type

MH 带内冷切削头
MH Cutting Head With Water Hole



图示方向 (L) L-Type

零配件 (Toolholder Parts): P03-P05

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

刀把型号 Ordering code	尺寸 Dimensions							刀片 Insert	压板螺丝 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)
	T _{max}	ød	f	L		K.G	MH						
MH25 - L123T06B	6.4	25	26	14		0.08	MH25	N123T3-0150-CM	M4X10	T15			
MH32 - L123T06B	6.4	32	28.5	14		0.11	MH32	N123T3-0150-CM					
MH40 - L123T06B	6.4	40	32.5	14		0.15	MH40	N123T3-0150-CM					
MH25 - R123U06B	6.4	25	26	14		0.08	MH25	N123U3-0150-CM					
MH32 - R123U06B	6.4	32	28.5	14		0.11	MH32	N123U3-0150-CM					
MH40 - R123U06B	6.4	40	32.5	14		0.15	MH40	N123U3-0150-CM					

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

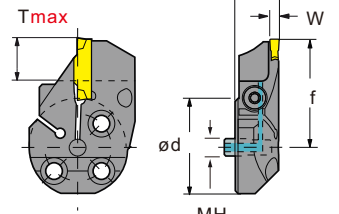
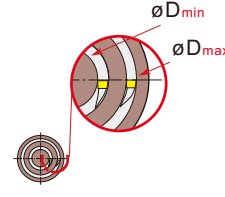
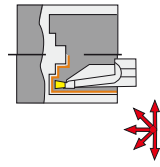
端面
切槽

阻尼
模组

MH-MGA型(端面切槽)

MH-MGA type (End Face)

MH 带内冷切削头
MH Cutting Head With Water Hole



刀片 (Inserts): A45-A46 零配件 (Toolholder Parts): P03-P05

图示方向 (R) R-Type

刀柄型号 Ordering code	尺寸 Dimensions									刀片 Insert	压板螺丝 Screw	扳手 Wrench	Stock		Order Number	Price (RMB)
	ϕD_{min}	ϕD_{max}	T_{max}	ϕd	f	L	W	K.G	MH				R	L		
MH32 MGAR/L 2T08-20/36	20	36	8	32	31	14	2	0.11	MH32	MG..200..	M6X21	PL30	●	●		
MH32 MGAR/L 2T10-30/50	30	50	10	32	33	14	2	0.12	MH32				●	●		
MH32 MGAR/L 2T12-50/80	50	80	12	32	35	14	2	0.13	MH32				●	●		
MH32 MGAR/L 2T13-80/160	80	160	13	32	36	14	2	0.14	MH32				●	●		
MH32 MGAR/L 2T14-160/400	160	400	14	32	37	14	2	0.15	MH32				●	●		
MH32 MGAR/L 2T15-200/800	200	800	15	32	38	14	2	0.16	MH32	●	●					
MH32 MGAR/L 2.5T13-20/36	20	36	13	32	36	14	2.5	0.12	MH32	MG..250..	M6X21	PL30	●	●		
MH32 MGAR/L 2.5T15-30/50	30	50	15	32	38	14	2.5	0.13	MH32				●	●		
MH32 MGAR/L 2.5T16-50/80	50	80	16	32	39	14	2.5	0.14	MH32				●	●		
MH32 MGAR/L 2.5T17-80/160	80	160	17	32	40	14	2.5	0.15	MH32				●	●		
MH32 MGAR/L 2.5T18-160/400	160	400	18	32	41	14	2.5	0.16	MH32				●	●		
MH32 MGAR/L 2.5T20-200/800	200	800	20	32	43	14	2.5	0.17	MH32	●	●					
MH32 MGAR/L 3T13-20/36	20	36	13	32	36	14	3	0.15	MH32	MG..300..	M6X21	PL30	●	●		
MH32 MGAR/L 3T15-30/50	30	50	15	32	38	14	3	0.16	MH32				●	●		
MH32 MGAR/L 3T16-50/80	50	80	16	32	39	14	3	0.17	MH32				●	●		
MH32 MGAR/L 3T17-80/160	80	160	17	32	40	14	3	0.18	MH32				●	●		
MH32 MGAR/L 3T18-160/400	160	400	18	32	41	14	3	0.19	MH32				●	●		
MH32 MGAR/L 3T20-200/800	200	800	20	32	43	14	3	0.20	MH32				●	●		
MH40 MGAR/L 3T13-20/36	20	36	13	40	40	18	3	0.20	MH40				●	●		
MH40 MGAR/L 3T15-30/50	30	50	15	40	42	18	3	0.21	MH40				●	●		
MH40 MGAR/L 3T16-50/80	50	80	16	40	43	18	3	0.22	MH40				●	●		
MH40 MGAR/L 3T17-80/160	80	160	17	40	44	18	3	0.23	MH40				●	●		
MH40 MGAR/L 3T18-160/400	160	400	18	40	45	18	3	0.24	MH40	●	●					
MH40 MGAR/L 3T20-200/800	200	800	20	40	47	18	3	0.25	MH40	●	●					
MH32 MGAR/L 4T15-20/36	20	36	15	32	38	14	4	0.16	MH32	MG..400..	M6X21	PL30	●	●		
MH32 MGAR/L 4T16-30/50	30	50	16	32	39	14	4	0.17	MH32				●	●		
MH32 MGAR/L 4T18-50/80	50	80	18	32	41	14	4	0.18	MH32				●	●		
MH32 MGAR/L 4T20-80/160	80	160	20	32	43	14	4	0.19	MH32				●	●		
MH32 MGAR/L 4T22-160/400	160	400	22	32	45	14	4	0.21	MH32				●	●		
MH32 MGAR/L 4T23-200/800	200	800	23	32	47	14	4	0.22	MH32				●	●		
MH40 MGAR/L 4T15-20/36	20	36	15	40	42	18	4	0.21	MH40				●	●		
MH40 MGAR/L 4T16-30/50	30	50	16	40	43	18	4	0.22	MH40				●	●		
MH40 MGAR/L 4T18-50/80	50	80	18	40	45	18	4	0.23	MH40				●	●		
MH40 MGAR/L 4T20-80/160	80	160	20	40	47	18	4	0.24	MH40				●	●		
MH40 MGAR/L 4T22-160/400	160	400	22	40	49	18	4	0.25	MH40	●	●					
MH40 MGAR/L 4T23-200/800	200	800	23	40	50	18	4	0.26	MH40	●	●					
MH32 MGAR/L 5T17-30/50	30	50	17	32	40	14	5	0.17	MH32	MG..500..	M6X21	PL30	●	●		
MH32 MGAR/L 5T22-50/80	50	80	22	32	45	14	5	0.18	MH32				●	●		
MH32 MGAR/L 5T26-80/160	80	160	26	32	49	14	5	0.19	MH32				●	●		
MH32 MGAR/L 5T28-160/400	160	400	28	32	51	14	5	0.20	MH32				●	●		
MH32 MGAR/L 5T30-200/800	200	800	30	32	53	14	5	0.21	MH32				●	●		
MH40 MGAR/L 5T17-30/50	30	50	17	40	44	18	5	0.21	MH40				●	●		
MH40 MGAR/L 5T22-50/80	50	80	22	40	49	18	5	0.22	MH40				●	●		
MH40 MGAR/L 5T26-80/160	80	160	26	40	53	18	5	0.23	MH40				●	●		
MH40 MGAR/L 5T28-160/400	160	400	28	40	55	18	5	0.24	MH40				●	●		
MH40 MGAR/L 5T30-200/800	200	800	30	40	57	18	5	0.25	MH40				●	●		
MH32 MGAR/L 6T20-30/50	30	50	20	32	43	14	6	0.20	MH32	MG..600..	M6X21	PL30	●	●		
MH32 MGAR/L 6T25-50/80	50	80	25	32	48	14	6	0.22	MH32				●	●		
MH32 MGAR/L 6T28-80/160	80	160	28	32	51	14	6	0.24	MH32				●	●		
MH32 MGAR/L 6T30-160/400	160	400	30	32	53	14	6	0.26	MH32				●	●		
MH32 MGAR/L 6T32-200/800	200	800	32	32	55	14	6	0.28	MH32				●	●		
MH40 MGAR/L 6T20-30/50	30	50	20	40	47	18	6	0.30	MH40				●	●		
MH40 MGAR/L 6T25-50/80	50	80	25	40	52	18	6	0.32	MH40				●	●		
MH40 MGAR/L 6T28-80/160	80	160	28	40	55	18	6	0.34	MH40				●	●		
MH40 MGAR/L 6T30-160/400	160	400	30	40	57	18	6	0.36	MH40				●	●		
MH40 MGAR/L 6T32-200/800	200	800	32	40	59	18	6	0.38	MH40				●	●		

车削
刀柄

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

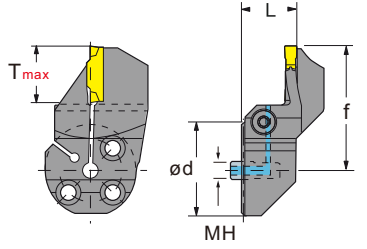
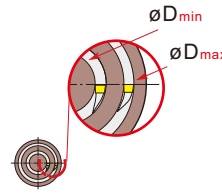
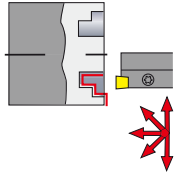
模组化刀头

阻尼抗震模组 Damping seismic module

MH-MGH型(端面切槽)

MH-MGH type (End Face)

MH 带内冷切削头
MH Cutting Head With Water Hole



图示方向 (R) R-Type

刀片 (Inserts): A45-A46 零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions									刀片 Insert	压板螺丝 Screw	扳手 Wrench	Stock		Order Number	Price (RMB)
	ϕD_{min}	ϕD_{max}	T_{max}	ϕd	f	L	W	K.G	MH				R	L		
MH32 MGHR/L 2T08-20/36	20	36	8	32	31	14	2	0.11	MH32	MG..200..	M6X21	PL30	●	●		
MH32 MGHR/L 2T10-30/50	30	50	10	32	33	14	2	0.12	MH32				●	●		
MH32 MGHR/L 2T12-50/80	50	80	12	32	35	14	2	0.13	MH32				●	●		
MH32 MGHR/L 2T13-80/160	80	160	13	32	36	14	2	0.14	MH32				●	●		
MH32 MGHR/L 2T14-160/400	160	400	14	32	37	14	2	0.15	MH32				●	●		
MH32 MGHR/L 2T15-200/800	200	800	15	32	38	14	2	0.16	MH32	●	●					
MH32 MGHR/L 2.5T13-20/36	20	36	13	32	36	14	2.5	0.12	MH32	MG..250..	M6X21	PL30	●	●		
MH32 MGHR/L 2.5T15-30/50	30	50	15	32	38	14	2.5	0.13	MH32				●	●		
MH32 MGHR/L 2.5T16-50/80	50	80	16	32	39	14	2.5	0.14	MH32				●	●		
MH32 MGHR/L 2.5T17-80/160	80	160	17	32	40	14	2.5	0.15	MH32				●	●		
MH32 MGHR/L 2.5T18-160/400	160	400	18	32	41	14	2.5	0.16	MH32				●	●		
MH32 MGHR/L 2.5T20-200/800	200	800	20	32	43	14	2.5	0.17	MH32	●	●					
MH32 MGHR/L 3T13-20/36	20	36	13	32	36	14	3	0.15	MH32	MG..300..	M6X21	PL30	●	●		
MH32 MGHR/L 3T15-30/50	30	50	15	32	38	14	3	0.16	MH32				●	●		
MH32 MGHR/L 3T16-50/80	50	80	16	32	39	14	3	0.17	MH32				●	●		
MH32 MGHR/L 3T17-80/160	80	160	17	32	40	14	3	0.18	MH32				●	●		
MH32 MGHR/L 3T18-160/400	160	400	18	32	41	14	3	0.19	MH32				●	●		
MH32 MGHR/L 3T20-200/800	200	800	20	32	43	14	3	0.20	MH32				●	●		
MH40 MGHR/L 3T13-20/36	20	36	13	40	40	18	3	0.20	MH40				●	●		
MH40 MGHR/L 3T15-30/50	30	50	15	40	42	18	3	0.21	MH40				●	●		
MH40 MGHR/L 3T16-50/80	50	80	16	40	43	18	3	0.22	MH40				●	●		
MH40 MGHR/L 3T17-80/160	80	160	17	40	44	18	3	0.23	MH40				●	●		
MH40 MGHR/L 3T18-160/400	160	400	18	40	45	18	3	0.24	MH40				●	●		
MH40 MGHR/L 3T20-200/800	200	800	20	40	47	18	3	0.25	MH40				●	●		
MH32 MGHR/L 4T15-20/36	20	36	15	32	38	14	4	0.16	MH32	MG..400..	M6X21	PL30	●	●		
MH32 MGHR/L 4T16-30/50	30	50	16	32	39	14	4	0.17	MH32				●	●		
MH32 MGHR/L 4T18-50/80	50	80	18	32	41	14	4	0.18	MH32				●	●		
MH32 MGHR/L 4T20-80/160	80	160	20	32	43	14	4	0.19	MH32				●	●		
MH32 MGHR/L 4T22-160/400	160	400	22	32	45	14	4	0.21	MH32				●	●		
MH32 MGHR/L 4T23-200/800	200	800	23	32	47	14	4	0.22	MH32				●	●		
MH40 MGHR/L 4T15-20/36	20	36	15	40	42	18	4	0.21	MH40				●	●		
MH40 MGHR/L 4T16-30/50	30	50	16	40	43	18	4	0.22	MH40				●	●		
MH40 MGHR/L 4T18-50/80	50	80	18	40	45	18	4	0.23	MH40				●	●		
MH40 MGHR/L 4T20-80/160	80	160	20	40	47	18	4	0.24	MH40				●	●		
MH40 MGHR/L 4T22-160/400	160	400	22	40	49	18	4	0.25	MH40				●	●		
MH40 MGHR/L 4T23-200/800	200	800	23	40	50	18	4	0.26	MH40				●	●		
MH32 MGHR/L 5T17-30/50	30	50	17	32	40	14	5	0.17	MH32	MG..500..	M6X21	PL30	●	●		
MH32 MGHR/L 5T22-50/80	50	80	22	32	45	14	5	0.18	MH32				●	●		
MH32 MGHR/L 5T26-80/160	80	160	26	32	49	14	5	0.19	MH32				●	●		
MH32 MGHR/L 5T28-160/400	160	400	28	32	51	14	5	0.20	MH32				●	●		
MH32 MGHR/L 5T30-200/800	200	800	30	32	53	14	5	0.21	MH32				●	●		
MH40 MGHR/L 5T17-30/50	30	50	17	40	44	18	5	0.21	MH40				●	●		
MH40 MGHR/L 5T22-50/80	50	80	22	40	49	18	5	0.22	MH40				●	●		
MH40 MGHR/L 5T26-80/160	80	160	26	40	53	18	5	0.23	MH40				●	●		
MH40 MGHR/L 5T28-160/400	160	400	28	40	55	18	5	0.24	MH40	●	●					
MH40 MGHR/L 5T30-200/800	200	800	30	40	57	18	5	0.25	MH40	●	●					
MH32 MGHR/L 6T20-30/50	30	50	20	32	43	14	6	0.20	MH32	MG..600..	M6X21	PL30	●	●		
MH32 MGHR/L 6T25-50/80	50	80	25	32	48	14	6	0.22	MH32				●	●		
MH32 MGHR/L 6T28-80/160	80	160	28	32	51	14	6	0.24	MH32				●	●		
MH32 MGHR/L 6T30-160/400	160	400	30	32	53	14	6	0.26	MH32				●	●		
MH32 MGHR/L 6T32-200/800	200	800	32	32	55	14	6	0.28	MH32				●	●		
MH40 MGHR/L 6T20-30/50	30	50	20	40	47	18	6	0.30	MH40				●	●		
MH40 MGHR/L 6T25-50/80	50	80	25	40	52	18	6	0.32	MH40				●	●		
MH40 MGHR/L 6T28-80/160	80	160	28	40	55	18	6	0.34	MH40				●	●		
MH40 MGHR/L 6T30-160/400	160	400	30	40	57	18	6	0.36	MH40	●	●					
MH40 MGHR/L 6T32-200/800	200	800	32	40	59	18	6	0.38	MH40	●	●					

车削刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

MH-方柄刀柄

MH Square Toolholder

MH 带内冷切削刀架
MH Cutting Toolholder With Water Hole

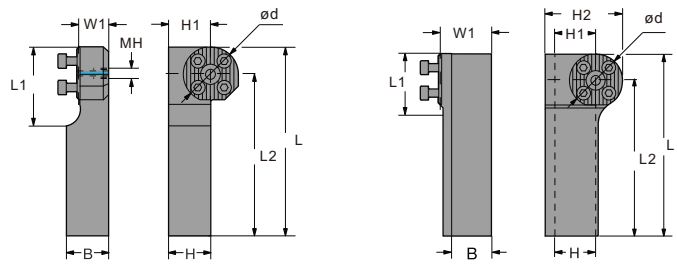


FIG.1 图示方向 (R) R-Type FIG.2

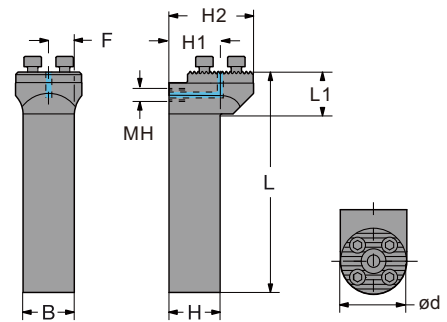
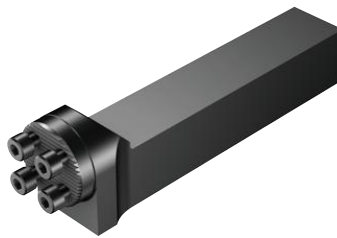
零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions												螺纹接口 Threaded Coupling	Stock		Order Number	Price (RMB)
	B	H	L1	L2	L	W1	ød	H1	H2	K.G	MH	FIG		R	L		
MH32 R/LF-2020	20	20	29	104	120	18	32	20	-	0.5	MH32	2	PT1/8	●	●		
MH32 R/LF-2525	25	25	32	109	125	18	32	25	-	0.7	MH32	2	PT1/8	●	●		
MH32 R/LF-2525N	25	25	25	109	125	32.5	32	25	47.3	0.9	MH32	1	-	●	●		
MH40 R/LF-2525N	25	25	30	105	125	32.5	40	25	51.3	0.9	MH40	1	-	●	●		
MH32 R/LF-3232	32	32	30	134	150	26	32	32	-	1.2	MH32	2	PT1/8	●	●		
MH40 R/LF-3232	32	32	36	130	150	26	40	32	-	1.3	MH40	2	PT1/8	●	●		

MH-S方柄刀柄

MH-S Square Toolholder

MH-S 带内冷切削刀架
MH-S Cutting Toolholder With Water Hole



图示方向 (R) R-Type

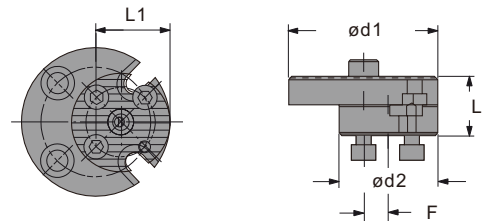
零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions											螺纹接口 Threaded Coupling	Stock		Order Number	Price (RMB)
	B	H	L1	L2	L	F	ød	H1	H2	K.G	MH		R	L		
MH25 NG-2020S	20	20	21		111	10	25	20	32.6	0.4	MH25	PT1/8	●	●		
MH32 NG-2020S	20	20	21		103	10	32	20	36.2	0.4	MH32	PT1/8	●	●		
MH25 NG-2525S	25	25	21		132	12.5	25	25	37.6	0.7	MH25	PT1/8	●	●		
MH32 NG-2525S	25	25	21		132	12.5	32	25	41.2	0.7	MH32	PT1/8	●	●		
MH40 NG-2525S	25	25	25		132	12.5	40	25	45.2	0.9	MH40	PT1/8	●	●		
MH32 NG-3232S	32	32	21		152	16	32	32	48.2	1.2	MH32	PT1/8	●	●		
MH40 NG-3232S	32	32	26		152	16	40	32	52.2	1.3	MH40	PT1/8	●	●		

MH 缩径刀座

MH Reduced Diameter Toolholder

MH 带内冷切削刀架
MH Cutting Toolholder With Water Hole



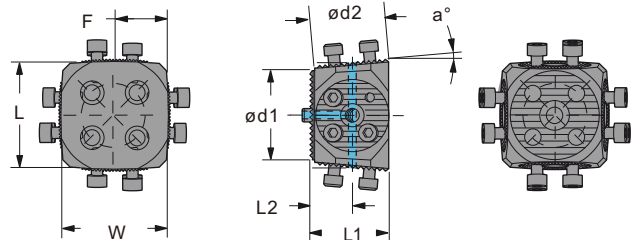
零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions						Stock	Order Number	Price (RMB)
	ød1	ød2	L	L1	F	K.G			
MH32-40-L22	40	32	22	24	8	0.2	●		
MH32-50-L23	50	32	23	25	9	0.3	●		
MH40-50-L23	50	40	23	30	10	0.4	●		
MH40-60-L23	60	40	23	30	10	0.5	●		

MH 转换刀座

MH Conversion Toolholder

带四个切削头的迷你刀塔
Mini turret with four Cutting heads



零配件 (Toolholder Parts): P03-P05

刀把型号 Ordering code	尺寸 Dimensions									Stock	Order Number	Price (RMB)
	ød1	ød2	L1	L2	L	F	W	K.G	a°			
MH40-MH32-A5	40	32	34.5	18	49.3	23	49.3	0.4	5°	●		

车削
刀柄

CSV
凸轮
车削
刀具

DS
刀柄

正面
排刀

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刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

MH-抗震刀杆

MH- Seismic tool bar

圆柱直柄的减振杆

Damping rod with cylindrical straight handle

零配件 (Toolholder Parts): P03-P05



FIG.1

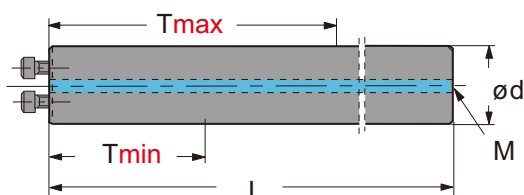
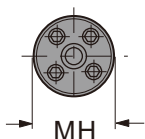
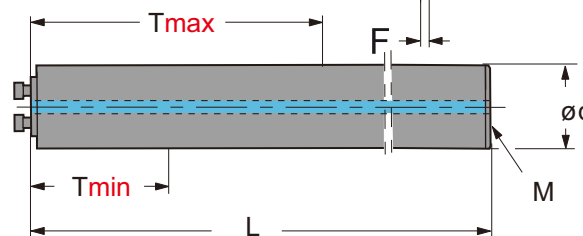
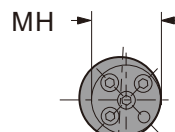


FIG.2



刀把型号 Ordering code	尺寸 Dimensions								螺纹接口 Threaded Coupling	Stock R	Order Number	Price (RMB)
	ød	T _{max}	T _{min}	L	F	FIG	K.G	MH				
MH16A-8D-156	16	92	55	156	0	1	0.2	MH16	-	●		
MH16E-10D-204C	16	140	96	204	0	1	0.4	MH16	G 1/8-28	●		
MH20A-8D-200	20	120	70	200	0	1	0.4	MH20	G 1/4-19	●		
MH20E-10D-260C	20	180	120	260	0	1	0.8	MH20	-	●		
MH25A-8D-255	25	158	88	255	0	1	0.9	MH25	G 1/4-19	●		
MH25A-10D-330	25	230	155	330	0	1	1.2	MH25	G 1/4-19	●		
MH25E-12D-380C	25	280	230	380	0	1	6.3	MH25	G 1/8-28	●		
MH25E-14D-430C	25	330	280	430	0	1	6.4	MH25	G 1/8-28	●		
MH32A-8D-320	32	192	100	320	0	1	1.9	MH32	G 3/8-19	●		
MH32A-10D-416	32	288	192	416	0	1	2.6	MH32	G 3/8-19	●		
MH32E-12D-480C	32	352	288	480	0	1	8	MH32	G 1/4-19	●		
MH32E-14D-544C	32	416	352	544	0	1	10	MH32	G 1/4-19	●		
MH40A-8D-408	40	248	128	408	0	1	3.5	MH40	G 1/2-14	●		
MH40A-10D-528	40	368	248	528	0	1	5.1	MH40	G 1/2-14	●		
MH40E-12D-608C	40	448	368	608	0	1	11	MH40	G 3/8-19	●		
MH40E-14D-688C	40	528	448	688	0	1	13	MH40	G 3/8-19	●		
MH50A-8D-518-40	50	318	168	518	5	2	7.3	MH40	G 1/2-14	●		
MH50A-10D-668-40	50	468	318	668	5	2	9.3	MH40	G 1/2-14	●		
MH50E-12D-760C-40	50	568	468	760	5	2	22	MH40	G 1/2-14	●		
MH50E-14D-861C-40	50	668	568	861	5	2	22.5	MH40	G 1/2-14	●		
MH60A-8D-628-40	60	388	208	628	10	2	12.7	MH40	G 3/4-14	●		
MH60A-10D-808-40	60	568	388	808	10	2	16.5	MH40	G 3/4-14	●		
MH60E-12D-920C-40	60	688	588	920	10	2	25.7	MH40	G 3/4-14	●		
MH60E-14D-1040C-40	60	808	688	1040	10	2	28	MH40	G 3/4-14	●		
MH80A-8D-880-80	80	515	360	880	0	1	31.3	MH80	G 3/4-14	●		
MH80A-10D-1200-80	80	755	360	1200	0	1	43.4	MH80	G 3/4-14	●		
MH80E-12D-1240-80	80	916	755	1240	0	1	40	MH80	G 3/4-14	●		
MH80E-14D-1400-80	80	1076	916	1400	0	1	80	MH80	G 3/4-14	●		
MH100A-8D-1100-100	100	655	415	1100	0	1	63	MH100	G 3/4-14	●		
MH100A-10D-1500-100	100	955	415	1500	0	1	65	MH100	G 3/4-14	●		
MH100E-12D-1560-100	100	1155	955	1560	0	1	125	MH100	G 3/4-14	●		
MH100E-14D-1760-100	100	1355	1155	1760	0	1	150	MH100	G 3/4-14	●		
MH120A-10D-1900-80	120	1155	795	1900	20	2	133.7	MH80	G 3/4-14	●		
MH130A-10D-2000-80	130	1255	865	2000	25	2	188	MH80	G 3/4-14	●		
MH140A-10D-2200-80	140	1355	935	2200	30	2	241	MH80	G 3/4-14	●		
MH150A-10D-2400-80	150	1455	1005	2400	35	2	252.3	MH80	G 3/4-14	●		
MH160A-10D-2600-80	160	1555	1075	2600	40	2	339	MH80	G 3/4-14	●		
MH180A-10D-2800-80	180	1755	1215	2800	50	2	474	MH80	G 3/4-14	●		
MH200A-10D-3200-80	200	1955	1355	3200	59.5	2	728	MH80	G 1"-11	●		
MH220A-10D-3450-80	220	2155	1495	3450	70	2	846	MH80	G 1"-11	●		
MH250A-10D-4000-80	250	2455	1705	4000	85	2	980	MH80	G 1"-11	●		

车削
刀柄

CSV
凸轮
车削
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

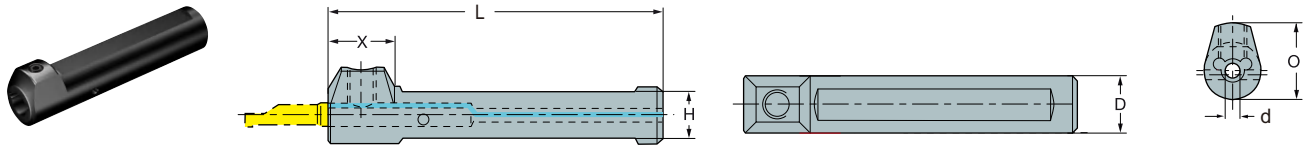
端面
切槽

阻尼
模组

SHB-A

削平圆柱直柄的\接柄
带两个平面的削平直柄

With flattened cylindrical shank handle
Flat straight handle with two planes

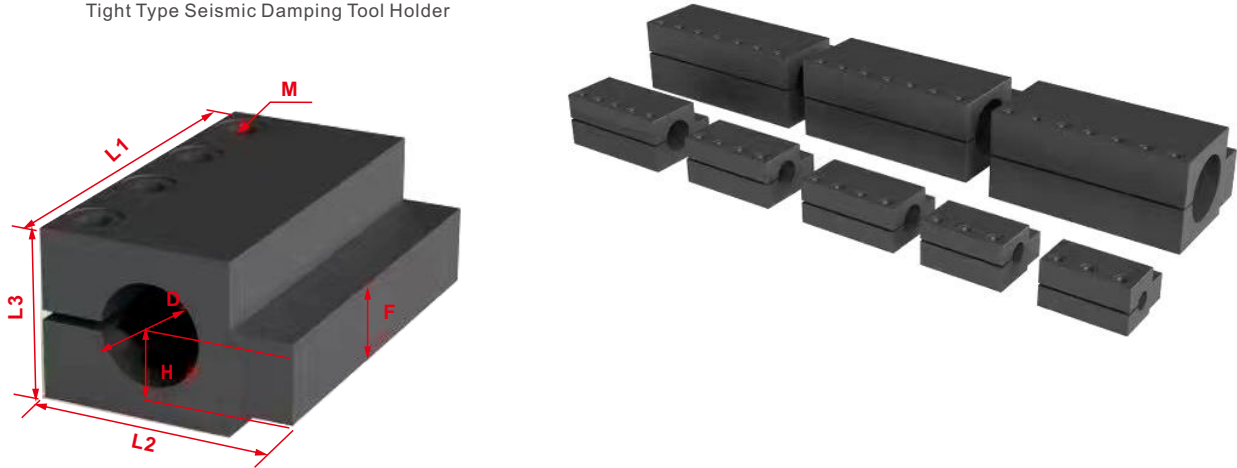


钢制刀杆 Steel tool holder

订货号 order No	D	L	H	d	O	X	KG							Order Number
SHB-A10-04	10.0	65.0	8.0	4.0	14.5	14.0	0.0							
SHB-A10-05	10.0	65.0	8.0	5.0	15.0	14.0	0.0							
SHB-A12-04	12.0	70.0	10.0	4.0	15.5	14.0	0.0							
SHB-A12-05	12.0	70.0	10.0	5.0	16.0	14.0	0.0							
SHB-A12-06	12.0	70.0	10.0	6.0	16.5	14.0	0.0							
SHB-A16-04	16.0	75.0	14.0	4.0	17.5	14.0	0.1							
SHB-A16-05	16.0	75.0	14.0	5.0	18.0	14.0	0.1							
SHB-A16-06	16.0	75.0	14.0	6.0	18.5	14.0	0.1							
SHB-A16-07	16.0	75.0	14.0	7.0	19.0	14.0	0.1							
SHB-A16-08	16.0	75.0	14.0	8.0	19.5	14.0	0.0							
SHB-A20-04	20.0	90.0	18.0	4.0	20.0	14.0	0.2							
SHB-A20-05	20.0	90.0	18.0	5.0	20.0	14.0	0.2							
SHB-A20-06	20.0	90.0	18.0	6.0	22.0	14.0	0.2							
SHB-A20-07	20.0	90.0	18.0	7.0	22.0	14.0	0.2							
SHB-A20-08	20.0	90.0	18.0	8.0	25.0	14.0	0.0							
SHB-A20-10	20.0	90.0	18.0	10.0	25.0	14.0	0.2							
SHB-A25-08	25.0	110.0	23.0	8.0	25.0	14.0	0.4							
SHB-A25-10	25.0	110.0	23.0	10.0	25.0	14.0	0.4							

ZNDZ.. 抱紧式抗震阻尼刀座

Tight Type Seismic Damping Tool Holder



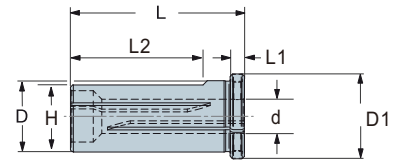
订货号 order No	H	D	F	L1	L2	L3	M							Order Number
ZNDZ-H20-C32-L125	20	32	25	125	82	54	M10x4							
ZNDZ-H25-C20-L100	25	20	30	100	75	54	M10x3							
ZNDZ-H25-C25-L100	25	25	30	100	80	54	M10x3							
ZNDZ-H25-C32-L125	25	32	30	125	87	59	M10x4							
ZNDZ-H25-C40-L150	25	40	30	150	97	69	M10x5							
ZNDZ-H25-C50-L200	25	50	37	200	107	79	M10x6							
ZNDZ-H25-C60-L200	25	60	40	200	120	94	M10x6							
ZNDZ-H32-C20-L100	32	20	35	100	82	59	M10x3							
ZNDZ-H32-C25-L100	32	25	35	100	87	59	M10x3							
ZNDZ-H32-C32-L125	32	32	35	150	96	64	M10x5							
ZNDZ-H32-C40-L150	32	40	37	150	104	69	M10x5							
ZNDZ-H32-C50-L200	32	50	40	200	117	84	M10x6							
ZNDZ-H32-C60-L200	32	60	40	200	127	94	M10x6							
ZNDZ-H40-C40-L150	40	40	45	150	112	79	M10x5							
ZNDZ-H40-C50-L200	40	50	50	200	125	84	M10x6							
ZNDZ-H40-C60-L200	40	60	50	200	135	89	M10x5							
ZNDZ-H50-C40-L175	50	40	55	175	125	89	M10x5							
ZNDZ-H50-C50-L200	50	50	55	200	135	94	M10x6							
ZNDZ-H50-C60-L250	50	60	60	250	145	99	M10x7							
ZNDZ-H50-C70-L250	50	70	60	250	155	104	M10x7							
ZNDZ-H50-C80-L250	50	80	60	250	165	114	M10x7							

模组化刀头

阻尼抗震模组 Damping seismic module

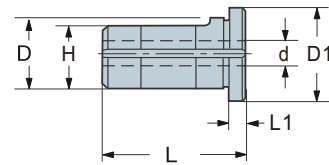
MEFD.. 带定位的圆柱形衬套
With Positioned cylindrical bushing

金属密封型，适合高压冷却
Metal sealed type, suitable for high-pressure cooling



订货号 order No	D	D1	d	H	L	L1	L2						Order Number
MEF-16-05	16	21	5	14	48	5	30.5						
MEF-16-06	16	21	6	14	48	5	31.5						
MEF-16-08	16	21	8	14	48	5	38.0						
MEF-16-10	16	21	10	14	48	5	48.0						
MEF-16-12	16	21	12	14	48	5	48.0						
MEF-20-05	20	25	5	18	55	5	30.5						
MEF-20-06	20	25	6	18	55	5	31.5						
MEF-20-08	20	25	8	18	55	5	38.0						
MEF-20-10	20	25	10	18	55	5	48.0						
MEF-20-12	20	25	12	18	55	5	55.0						
MEF-20-16	20	25	16	18	55	5	55.0						
MEF-25-05	25	30	5	23	61	5	30.0						
MEF-25-06	25	30	6	23	61	5	32.5						
MEF-25-08	25	30	8	23	61	5	40.0						
MEF-25-10	25	30	10	23	61	5	49.0						
MEF-25-16	25	30	16	23	61	5	61.0						
MEF-25-12	25	30	12	23	61	5	50.0						
MEF-25-20	25	30	20	23	61	5	61.0						
MEF-32-05	32	36	5	30	65	5	30.5						
MEF-32-06	32	36	6	30	65	5	36.5						
MEF-32-08	32	36	8	30	65	5	39.0						
MEF-32-10	32	36	10	30	65	5	49.5						
MEF-32-12	32	36	12	30	65	5	50.5						
MEF-32-16	32	36	16	30	65	5	52.5						
MEF-32-20	32	36	20	30	65	5	65.0						
MEF-32-25	32	36	25	30	65	5	65.0						
MEF-40-05	40	44	5	38	75	5	30.5						
MEF-40-06	40	44	6	38	75	5	37.0						
MEF-40-08	40	44	8	38	75	5	46.0						
MEF-40-10	40	44	10	38	75	5	50.5						
MEF-40-12	40	44	12	38	75	5	59.0						
MEF-40-16	40	44	16	38	75	5	61.0						
MEF-40-20	40	44	20	38	75	5	75.0						
MEF-40-25	40	44	25	38	75	5	75.0						

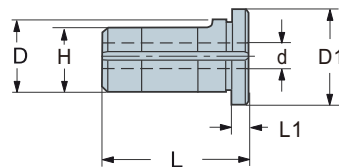
MEFD.. 带定位的圆柱形衬套
With Positioned cylindrical bushing



订货号	D	d	D1	H	L	L1							Order Number
MEFD-32-20	32	20	38	30	85	5							
MEFD-40-20	40	20	46	38	105	5							
MEFD-40-25	40	25	46	38	105	5							
MEFD-50-20	50	20	56	47	125	5							
MEFD-50-25	50	25	56	47	125	5							

所有直径为5-25mm的圆柱内孔车刀杆均带有与夹套配合的槽
All cylindrical inner hole turning tool bars with a diameter of 5-25mm have grooves that fit with sleeves

MEFD.. 圆柱夹套
Cylindrical jacket



订货号	D	d	D1	L	L1								Order Number
MEFD-40-32	40	32	50	128	5								
MEFD-50-32	50	32	60	128	5								
MEFD-50-40	50	40	60	160	5								
MEFD-60-32	60	32	70	128	5								
MEFD-60-40	60	40	70	160	5								
MEFD-60-50	60	50	70	200	5								

镗杆由螺钉压紧 The boring bar is tightened by screws

车削
刀柄

CSV
凸轮
车床
刀具

DS
刀柄

正面
排刀

Y轴
刀柄

前
车削

后
车削

小径
切槽
切断
螺纹

小孔
加工

滚花
车花

焊接
车刀
夹头

外圆
车削

内孔
车削

螺纹
车削

切槽
切断

端面
切槽

阻尼
模组

铣削
刀柄
系统



SK
高速
高精

HM
液压

SR
烧结
刀柄

ADS
后拉
刀柄

强力
刀柄

ER
刀柄

OZ
刀柄

攻牙
刀柄

钻
夹头
刀柄

平面
铣
刀柄

莫氏
刀柄

侧固
刀柄

油路
刀柄



铣削
刀柄
系统

SK
高速
高精

HM
液压

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烧结
刀柄

ADS
后拉
刀柄

强力
刀柄

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钻
夹头
刀柄

平面
铣
刀柄

莫氏
刀柄

侧固
刀柄

油路
刀柄



ISO-GSK	NBT-GSK	BT-GSK	BT-SK	C-GSK	C-SK	BT30	BT50
C05  SK高速高精度 ISO-GSK 铣床刀柄	C05  SK高速高精度 NBT-GSK 铣床刀柄	C06  SK高速高精度 BT-GSK 铣床刀柄	C07  SK高速高精度 BT-SK 铣床刀柄	C08  SK高速高精度 C-GSK 铣床刀柄	C08  SK高速高精度 C-SK 铣床刀柄	C09  液压刀柄 BT 铣床刀柄	C10  液压刀柄 BT 铣床刀柄
HSK63A C11  液压刀柄 BT 铣床刀柄	HSK100A C12  液压刀柄 BT 铣床刀柄	BT30-SR C13  热胀刀柄 (厚壁型) BT 铣床刀柄	BT30-SRS C13  热胀刀柄 (薄壁型) BT 铣床刀柄	BT40-SR C14  热胀刀柄 (厚壁型) BT 铣床刀柄	BT40-SR C14  热胀刀柄 (薄壁型) BT 铣床刀柄	BT50-SR C15  热胀刀柄 (厚壁型) BT 铣床刀柄	BBT40R-SR C16  热胀刀柄 (厚壁型) BT 铣床刀柄
BBT40R-SRS C16  热胀刀柄 (薄壁型) BT 铣床刀柄	ISO20-SRS C17  热胀刀柄 (薄壁型) BT 铣床刀柄	ISO25-SRS C17  热胀刀柄 (薄壁型) BT 铣床刀柄	HSK32E-SRSRS C18  热胀刀柄 (厚/薄壁型) BT 铣床刀柄	HSK40E-SR C19  热胀刀柄 (厚壁型) BT 铣床刀柄	HSK40E-SRS C19  热胀刀柄 (薄壁型) BT 铣床刀柄	HSK50E-SRS C19  热胀刀柄 (薄壁型) BT 铣床刀柄	HSK50E-SR C20  热胀刀柄厚壁型) BT 铣床刀柄

铣削刀柄系统
SK 高速高精
HM 液压
SR 烧结刀柄
ADS 后拉刀柄
强力刀柄
ER 刀柄
OZ 刀柄
攻牙刀柄
钻头刀柄
平面铣刀柄
莫氏刀柄
侧固刀柄
油路刀柄

HSK50A-SR C20  热胀刀柄(厚壁型) BT 铣床刀柄	HSK50A-SRS C21  热胀刀柄(薄壁型) BT 铣床刀柄	HSK50A-SRS C21  热胀刀柄(厚壁型) BT 铣床刀柄	HSK63A-SRS C22  热胀刀柄(薄壁型) BT 铣床刀柄	HSK100A-SR C22  热胀刀柄(厚壁型) BT 铣床刀柄	BT40-SRC C23  热胀刀柄(强力型) BT 铣床刀柄	BT40-SRV C23  热胀刀柄(增强型) BT 铣床刀柄	HSK63A-SRC C24  热胀刀柄(强力型) BT 铣床刀柄
HSK63A-SRV C24  热胀刀柄(增强型) BT 铣床刀柄	SW12/16/20/25-SRS C25  钨钢抗震热胀延长杆(薄壁型) BT 铣床刀柄	ST12-SRS C25  热胀延长杆(薄壁型) BT 铣床刀柄	ST16-SRS C26  热胀延长杆(薄壁型) BT 铣床刀柄	ST20-SRS C26  热胀延长杆(薄壁型) BT 铣床刀柄	ST16-SRS C27  热胀延长杆(薄壁型) BT 铣床刀柄	薄壁型热胀机 C27  可烧结柄径为 φ3-φ12 H2800 热胀机	热胀机 C28  可烧结柄径为 φ3-φ20 H2800A 热胀机
全自动智能水冷热胀机 C28  智能加热水冷一体设计 FAX-15 热胀机	BT-ADS C29  高精度后拉式刀柄 BT-ADS 铣床刀柄	C-ADS C30  高精度后拉式刀柄 C-ADS 铣床刀柄	HSK-ADS C31  高精度后拉式刀柄 HSK-ADS 铣床刀柄	SK-ADS C32  高精度后拉式刀柄 SK-ADS 铣床刀柄	BT-C C33  强力型筒夹刀柄 BT-C 铣床刀柄	DAT-C C34  强力型筒夹刀柄 DAT-C 铣床刀柄	BT-MLT C35  强力型筒夹刀柄 BT-MLT 铣床刀柄
DAT-MLT C36  强力型筒夹刀柄 DAT-MLT 铣床刀柄	HSK-MLT C37  强力型筒夹刀柄 HSK-MLT 铣床刀柄	NT-MLC C37  强力型筒夹刀柄 NT-MLC 铣床刀柄	NT-MCST C38  强力型筒夹刀柄 NT-MCST 铣床刀柄	BT-MCST C38  强力型筒夹刀柄 BT-MCST 铣床刀柄	DAT-MCST C39  强力型筒夹刀柄 DAT-MCST 铣床刀柄	MCST套装 C40  强力型筒夹刀柄 MCST套装 铣床刀柄	ISO-ER C41  ER精密筒夹刀柄 ISO-ER 铣床刀柄
BT-GER C42  ER精密筒夹刀柄 BT-GER 铣床刀柄	BT-ER C43  ER精密筒夹刀柄 BT-ER 铣床刀柄	BT-ER-M C44  ER精密筒夹刀柄 BT-ER-M 铣床刀柄	BT-ER套装 C45  ER精密筒夹刀柄 BT-ER套装 铣床刀柄	DAT-ER C46  ER精密筒夹刀柄 DAT-ER 铣床刀柄	HSK-ER C47  ER精密筒夹刀柄 HSK-ER 铣床刀柄	NT-ER C47  ER精密筒夹刀柄 NT-ER 铣床刀柄	MT-ER C48  ER精密筒夹刀柄 MT-ER 铣床刀柄
R8-ER C48  ER精密筒夹刀柄 R8-ER 铣床刀柄	C-ER-M C50  ER筒夹延长杆 C-ER-M 铣床刀柄	ER延长杆 C50  ER筒夹延长杆 C-ER-M 铣床刀柄	直柄延长杆 C51  ER精密筒夹刀柄 直柄延长杆 铣床刀柄	OZ C53  OZ重切削刀柄 OZ 铣床刀柄	OZ套装 C54  OZ重切削刀柄 OZ套装 铣床刀柄	BT-TC C55  攻牙刀柄 BT-TC 铣床刀柄	BT-G C56  攻牙刀柄 BT-G 铣床刀柄

GT	悬臂套装	TP	APU	JM钻夹头	自紧式钻夹头	扳手式钻夹头	三面刃刀柄
C56  攻丝夹套 GT 铣床刀柄	C57  攻牙刀柄 悬臂套装 铣床刀柄	C58  直柄伸缩ER攻牙器 TER 铣床刀柄	C59  钻夹头 APU 铣床刀柄	C60  钻夹头 APU钻夹头 铣床刀柄	C61  钻夹头 自紧式钻夹头 铣床刀柄	C62  钻夹头 扳手式钻夹头 铣床刀柄	C62  三面刃铣刀柄 锯片铣刀柄 铣床刀柄
钻夹头接杆	钻夹头接杆	BT-FMA	BT-FMB	HSK-FMB	DAT-FMB	NT-FMA	BT-MTA
C63  钻夹头 钻夹头接杆 铣床刀柄	C63  钻夹头 钻夹头接杆 铣床刀柄	C65  平面铣削刀柄 BT-FMA 铣床刀柄	C66  平面铣削刀柄 BT-FMB 铣床刀柄	C67  平面铣削刀柄 HSK-FMB 铣床刀柄	C68  平面铣削刀柄 DAT-FMB 铣床刀柄	C69  平面铣削刀柄 NT-FMA 铣床刀柄	C71  莫氏刀柄 BT-MTA 铣床刀柄
NT-MTA	DAT-MTA	HSK-MTA	MTA-MTA	R8-MTA	BT-MTB	BT-SLN	DAT-SLN
C72  莫氏刀柄 NT-MTA 铣床刀柄	C73  莫氏刀柄 DAT-MTA 铣床刀柄	C73  莫氏刀柄 HSK-MTA 铣床刀柄	C74  莫氏刀柄 MTA-MTA 铣床刀柄	C74  莫氏刀柄 R8-MTA 铣床刀柄	C75  莫氏刀柄 BT-MTB 铣床刀柄	C77  侧固式刀柄 ISO-GSK 铣床刀柄	C78  侧固式刀柄 DAT-SLN 铣床刀柄
NT-SLN	HSK-SLN	BT-OHER	BT-OSL	变径套	固定座	DIN228-B	MT5-YLDB
C79-80  侧固式刀柄 NT-SLN 铣床刀柄	C81  侧固式刀柄 HSK-SLN 铣床刀柄	C83  ER筒夹式油路刀柄 BT-OHER 铣床刀柄	C84  侧固式油路刀柄 BT-OSL 铣床刀柄	C85  ER筒夹式油路刀柄 变径套 铣床刀柄	C85  连接于主轴端面 固定座	C86  柄长: 204 DIN228-B 莫氏转换柄	C86  柄长: 227 MT5-YLDB 莫氏转换柄
PXT	BJT						
C.86  柄长: 47 BJT 偏心套	C.86  柄长: 62 BJT 变径套						

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刀柄

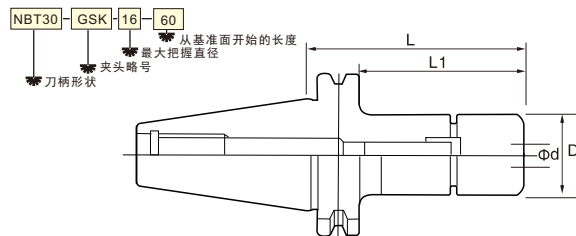
ISO-GSK 高速SK筒夹刀柄 ISO-GSK HIGH SPEED SK COLLET CHUCK

- ◆ 高速雕铣机专用刀柄。
- ◆ SK筒夹(4°)，重复装夹精度更高。
- ◆ 全圆螺帽，噪音低、风阻小。

- ◆ High-speed engraving and milling machine specific tool holders.
- ◆ SK Collet(4°), higher repeat clamping accuracy.
- ◆ Full Circle nuts, low noise, little wind resistance.



型号说明 Model explanation



G2.5 MAX.40,000min⁻¹

订购编号 Order No.	型号 Cat.No	φ d把握直径 Chucking Dia	D	L1	L	螺母 Nut	筒夹 Collet	筒夹拆卸器 COLLET PULLER	扳手 Spanner	锁刀座	单价 PRICE (RMB)
301100	ISO20-GSK6-45	2-6	20	32	45	LMGSK06	SK06	CX06	BSGSK06	SDZISO20	1200
301102	-GSK10-45	2-10	27	32	45	LMGSK10	SK10	CX10	BSGSK10	SDZISO20	1200
301104	ISO25-GSK6-45	2-6	20	32	45	LMGSK06	SK06	CX06	BSGSK06	SDZISO25	1200
301106	-GSK10-45	2-10	27	32	45	LMGSK10	SK10	CX10	BSGSK10	SDZISO25	1200
301108	-GSK16-45	2-16	40	32	45	LMGSK16	SK16	CX16	BSGSK16	SDZISO25	1200
301110	ISO30-GSK06-60	2-6	20	46	60	LMGSK06	SK06	CX06	BSGSK06	SDZISO30	1200
301112	-GSK10-60	2-10	27	46	60	LMGSK10	SK10	CX10	BSGSK10	SDZISO30	800
301114	-GSK16-60	2-16	40	46	60	LMGSK16	SK16	CX16	BSGSK16	SDZISO30	900

铣削
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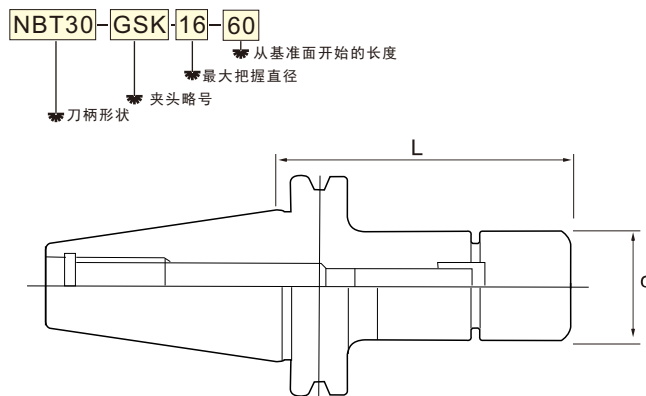
NBT-GSK (无键槽)

- ◆ 高速雕铣机专用刀柄。
- ◆ 非偏心全平衡
- ◆ 噪音低、风阻小。

- ◆ High-speed carving and milling machine for tool holder
- ◆ Non-eccentric full balanced round nut.
- ◆ low noise, little wind resistance.



型号说明 Model explanation



G2.5 MAX.30,000min⁻¹

订购编号 Order No.	型号 Cat.No	把握直径 Chucking Dia	C	L	螺母 Nut	筒夹 Collet	标配品 COLLET PULLER	扳手 Spanner	锁刀座	单价 PRICE (RMB)
301200	NBT30-GSK10-60	3.0~10.0	27.1	60	GSK10	SK10	CX10	GSK10	NBT30	800
301202	-GSK16-60	3.0~16.0	40	60	GSK16	SK16	CX16	GSK16	NBT30	900

BT-GSK 高速刀柄

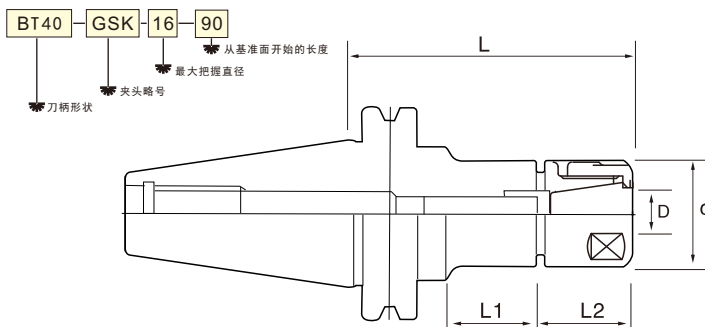
BT-GSK HIGH SPEED SK COLLET CHUCK



- ◆ SK筒夹(4°), 重复装夹精度更高。
Sk Collet(4°), higher repeat clamping accuracy
- ◆ 全圆螺帽, 噪音低、风阻小。
Full Circle nuts, low noise, little wind resistance.



型号说明 Model explanation



G2.5 MAX.30,000min⁻¹

订购编号 Order No.	型号 Cat.No	D	L	C	最高旋转数 MAX.min ⁻¹	螺帽 nut	筒夹 collet	筒夹拆卸器 COLLET PULLER	扳手 Spanner	重量 Weight(KG)	单价 PRICE (RMB)
301300	BT30-GSK6-60	2~6.0	60	19.5	30,000	GSK6	SK6	CX6	GSK6	0.7	950
301302	-GSK6-90		90							0.7	1000
301304	-GSK10-60	3~10.0	60	27.1	30,000	GSK10	SK10	CX10	GSK10	0.9	950
301306	-GSK10-90		90							1.0	1000
301308	-GSK10-120		120							1.2	1125
301310	-GSK16-60	3~16.0	60	40	25,000	GSK16	SK16	CX16	GSK16	1.1	1000
301312	-GSK16-90		90							1.2	1125
301314	-GSK16-120		120							1.4	1250
301316	BT40-GSK6-60	2~6.0	60	19.5	30,000	GSK6	SK6	CX6	GSK6	1.0	950
301318	-GSK6-90		90							1.1	1000
301320	-GSK6-120		120							1.3	1125
301322	-GSK10-60		60							1.1	950
301324	-GSK10-90	3~10.0	90	27.1	25,000	GSK10	SK10	CX10	GSK10	1.2	1000
301326	-GSK10-120		120							1.4	1125
301328	-GSK16-60		60							1.3	1000
301330	-GSK16-90	3~16.0	90	40	25,000	GSK16	SK16	CX16	GSK16	1.5	1125
301332	-GSK16-120		120							1.7	1250
301334	-GSK25-90		90							1.8	1250
301336	-GSK25-120	6~25	120	55	20,000	GSK25	SK25	CX25	GSK25	2.0	1375
301338	BT50-GSK6-105	2~6.0	105	19.5	20,000	GSK6	SK6	CX6	GSK6	3.8	1750
301340	-GSK10-105		105							4.2	1750
301342	-GSK10-135	3~10.0	135	27.1	20,000	GSK10	SK10	CX10	GSK10	4.4	2000
301344	-GSK16-105		105							4.7	1875
301346	-GSK16-135	3~16.0	135	40	15,000	GSK16	SK16	CX16	GSK16	4.9	2125
301348	-GSK25-105		105							5.2	2000
301350	-GSK25-135	6~25	135	55	15,000	GSK25	SK25	CX25	GSK25	5.5	2250

铣削
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系统

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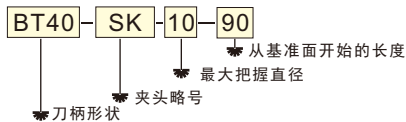
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BT-SK弹性刀柄 BT-SK SK COLLET CHUUCK

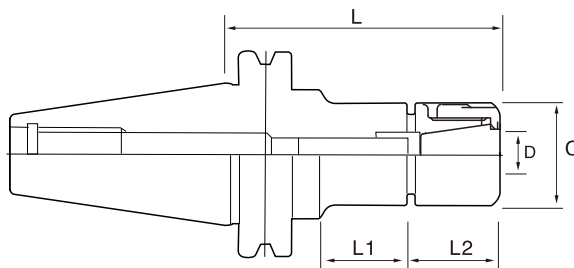
SK筒夹(4°), 重复装夹精度更高。
Sk Collet(4°), higher repeat clamping accuracy.

型号说明 Model explanation



特点:

- GSK系列适用于高转速、高精密切削, 增加刀具寿命。
- 切削性稳定、减少震动。
- 刀具置入筒夹内孔, 必须超出筒夹内孔有效夹持长度, 避免不当锁固, 造成损坏。
- 精密平衡校正可校正: G2.5, 15000RPM~25000RPM。



G2.5 MAX. 15,000min⁻¹

订购编号 Order No.	型号 Cat No.	D	L	C	螺帽 nut	SK筒夹 COLLET	筒夹拆卸器 COLLET PULLER 标配品	扳手 Spanner	重量 Weight(KG)	单价 PRICE (RMB)
301400	BT30-TSK06-60	1.8~6.00	60	20	LMTSK06	SK06	CX06	BSTSK06	0.7	500
301402	TSK06-100	1.8~6.00	100	20						
301404	TSK10-60	1.8~10.00	60	30						
301406	TSK10-100	1.8~10.00	100	30	LMTSK10	SK10	CX10	BSTSK10	1.0	500
301408	TSK16-60	2.75~16.00	60	40	LMTSK16	SK16	CX16	BSTSK16	1.0	500
301410	TSK16-100	2.75~16.00	100	40						
301412	BT40-TSK06-60	1.8~6.00	60	20						
301414	TSK06-100	1.8~6.00	100	20	LMTSK06	SK06	CX06	BSTSK06	1.1	600
301416	TSK10-60	1.8~10.00	60	30	LMTSK10	SK10	CX10	BSTSK10	1.2	600
301418	TSK10-100	1.8~10.00	100	30						
301420	TSK16-60	2.75~16.00	60	40						
301422	TSK16-100	2.75~16.00	100	40	LMTSK16	SK16	CX16	BSTSK16	1.3	600
301424	TSK25-80	8.00~25.00	80	55	LMTSK25	SK25	CX25	BSTSK25	1.6	700
301426	TSK25-120	8.00~25.00	120	55						
301428	BT50-TSK10-100	1.8~10.00	100	30						
301430	TSK10-150	1.8~10.00	150	30	LMTSK10	SK10	CX10	BSTSK10	4.2	900
301432	TSK16-100	2.75~16.00	100	40	LMTSK16	SK16	CX16	BSTSK16	4.4	1000
301434	TSK16-150	2.75~16.00	150	40						
301436	TSK25-120	8.00~25.00	120	55						
301438	TSK25-200	8.00~25.00	200	55	LMTSK25	SK25	CX25	BSTSK25	4.5	900
									4.7	1000
									4.8	1000
									4.8	1000
									5.3	1200

铣削
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系统

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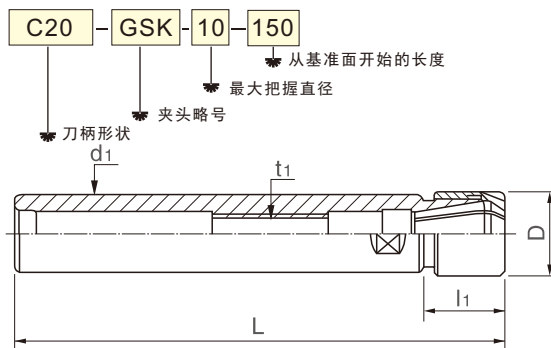
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刀柄

C-GSK 直柄SK筒夹延长杆

C-GSK STRAIGHT SHANK SK COLLET CHUCK HOLDER



型号说明 Model explanation



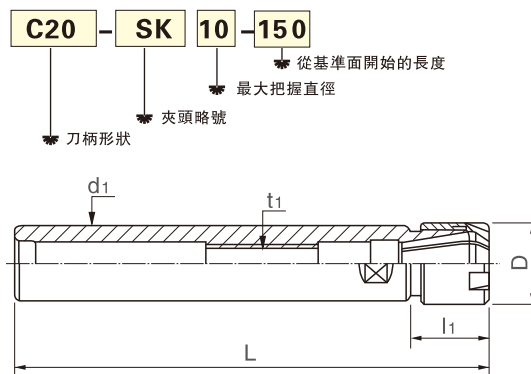
订购编号 Order No.	型号 Cat No.	把握直径 Chuck Dia	L	L1	D	螺帽 nut	筒夹 Collet	筒夹拆卸器 COLLET PULLER 标配品	扳手 Spanner	单价 PRICE (RMB)
301500	C20-GSK6-100	2~6.0	100	36	19.5	GSK6	SK6	CX6	GSK6	500
301502	-GSK6-150		150	56						550
301504	-GSK10-100	3~10	100	40	27.1	GSK10	SK10	CX10	GSK10	500
301506	-GSK10-150		150	60						550
301508	C25-GSK10-100	3~10	100	30	19.5	GSK10	SK10	CX10	GSK10	550
301510	-GSK10-150		150	60						600
301512	-GSK16-100	3~16	100	50	27.1	GSK16	SK16	CX16	GSK16	550
301514	-GSK16-150		150	75						600
301516	C32-GSK10-120	3~10	120	47	27.1	GSK10	SK10	CX10	GSK10	600
301518	-GSK10-150		150	75						650
301520	-GSK16-120	3~16	120	58	40	GSK16	SK16	CX16	GSK16	700
301522	-GSK16-150		150	88						750
301524	-GSK16-180	6.0~25.4	180	118	55	GSK25	SK25	CX25	GSK25	850
301526	-GSK25-150		150	88						800

C-SK 直柄SK筒夹延长杆

C-SK STRAIGHT SHANK SK COLLET CHUCK HOLDER



型号说明 Model explanation



订购编号 Order No.	型号 Cat No.	把握直径 Chuck Dia	L	L1	D	螺帽 nut	筒夹 Collet	筒夹拆卸器 COLLET PULLER 标配品	扳手 Spanner	单价 PRICE (RMB)
301600	C20-SK6-100	2~6.0	100	36	18	SK6	SK6	CX6	TSK6	500
301602	-SK6-150		120	56						550
301604	-SK10-100	3~10	100	40	25	SK10	SK10	CX10	TSK10	500
301606	-SK10-150		120	60						550
301608	C25-SK10-100	3~10	100	30	18	SK10	SK10	CX10	TSK10	550
301610	-SK10-150		130	60						600
301612	-SK16-100	3~16	120	50	25	SK16	SK16	CX16	TSK16	550
301614	-SK16-150		150	75						600
301616	C32-SK10-120	3~10	120	47	25	SK10	SK10	CX10	TSK10	600
301618	-SK10-150		150	75						650
301620	-SK16-120	3~16	120	58	40	SK16	SK16	CX16	TSK16	700
301622	-SK16-150		150	88						750
301624	-SK16-180	6.0~25.4	180	118	55	SK25	SK25	CX25	TSK25	850
301626	-SK25-150		150	88						800

铣削
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BT30 液压刀柄 BT30 Hydraulic Chucks



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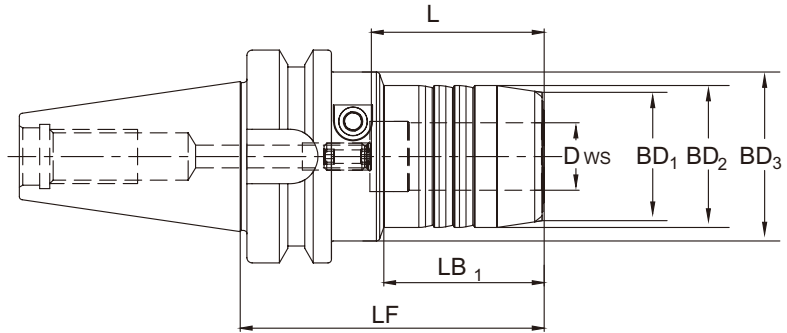
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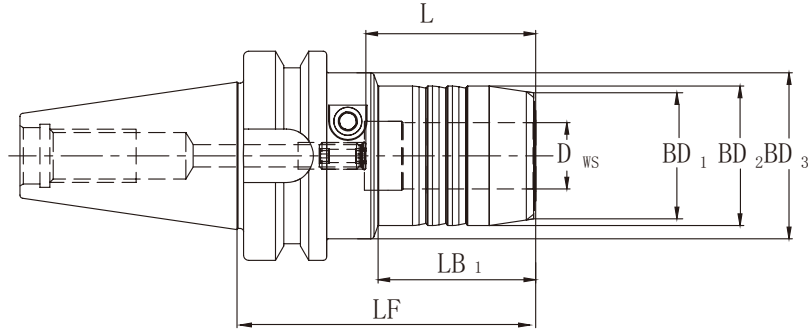
油路
刀柄



订购编号 Order No.	型号 Cat No. JIS B6339-AD	D _{MS}	D _{WS}	BD ₁	BD ₂	BD ₃	LF	L	LB ₁	螺钉 Screw	卡簧 Collets				
	BT30-EHC06 -50.8	30	6	23	26	46	50.8	37	15.6	HM05014C	-				
	BT30-EHC08 -50.8	30	8	25	28	46	50.8	37	15.6	HM06014C	-				
	BT30-EHC10 -50.8	30	10	27	30	46	50.8	41	15.6	HM08014C	-				
	BT30-EHC12 -50.8	30	12	29	32	46	50.8	46	15.6	HM08014C	HC12				
	BT30-EHC16 -90	30	16	34	38	50	90	49	50	HM08014C	-				
	BT30-EHC20 -90	30	20	38	42	50	90	51	50	HM08014C	HC20				
	BT40-EHC06 -90	40	6	22	26	50	90	37	43	HM05014C	-				
	-120	40	6	22	26	50	120	37	73	HM05014C	-				
	-150	40	6	22	26	50	150	37	103	HM05014C	-				
	-200	40	6	22	26	50	200	37	153	HM05014C	-				
	BT40-EHC08 -90	40	8	24	28	50	90	37	44.5	HM06014C	-				
	-120	40	8	24	28	50	120	37	74.5	HM06014C	-				
	-150	40	8	24	28	50	150	37	104.5	HM06014C	-				
	-200	40	8	24	28	50	200	37	154.5	HM06014C	-				
	BT40-EHC10 -90	40	10	26	30	50	90	41	44.5	HM08014C	-				
	-120	40	10	26	30	50	120	41	74.5	HM08014C	-				
	-150	40	10	26	30	50	150	41	104.5	HM08014C	-				
	-200	40	10	26	30	50	200	41	154.5	HM08014C	-				
	BT40-EHC12 -90	40	12	28	32	50	90	46	44.5	HM08014C	HC12				
	-120	40	12	28	32	50	120	46	74.5	HM08014C	HC12				
	-150	40	12	28	32	50	150	46	104.5	HM08014C	HC12				
	-200	40	12	28	32	50	200	46	154.5	HM08014C	HC12				
	BT40-EHC14 -90	40	14	30	34	50	90	46	44.5	HM08014C	-				
	-150	40	14	30	34	50	150	46	104.5	HM08014C	-				
	BT40-EHC16 -90	40	16	34	38	50	90	49	47.5	HM08014C	-				
	-120	40	16	34	38	50	120	49	77.5	HM08014C	-				
	-150	40	16	34	38	50	150	49	107.5	HM08014C	-				
	-200	40	16	34	38	50	200	49	157.5	HM08014C	-				
	BT40-EHC18 -90	40	18	36	40	50	90	49	47.5	HM08014C	-				
	-150	40	18	36	40	50	150	49	107.5	HM08014C	-				
	BT40-EHC20 -90	40	20	38	42	50	90	51	47.5	HM08014C	HC20				
	-120	40	20	38	42	50	120	51	77.5	HM08014C	HC20				
	-150	40	20	38	42	50	150	51	107.5	HM08014C	HC20				
	-200	40	20	38	42	50	200	51	157.5	HM08014C	HC20				
	BT40-EHC25 -83	40	25	53	57	62	83	57	44	HM12014C	-				
	BT40-EHC32 -83	40	32	60	63	80	83	61	24.9	HM12014C	-				
附件 Accessories		D _{WS} = 6		D _{WS} = 8		D _{WS} = 10		D _{WS} = 12		D _{WS} = 16		D _{WS} = 20		D _{WS} = 32	
扳手 Hex Wrench						TS5								TS6	

BT 液压刀柄

BT50 Hydraulic Chucks



铣削
刀柄
系统

SK
高速
高精

HM
液压

SR
烧结
刀柄

ADS
后拉
刀柄

强力
刀柄

ER
刀柄

OZ
刀柄

攻牙
刀柄

钻
夹头
刀柄

平面
铣
刀柄

莫氏
刀柄

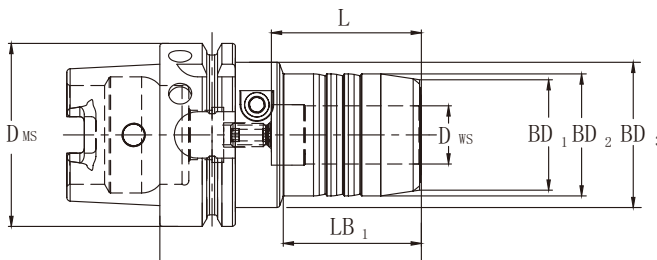
侧固
刀柄

油路
刀柄

订购编号 Order No.	型号 Cat No. JIS B6339-AD	D _{MS}	D _{WS}	BD ₁	BD ₂	BD ₃	LF	L	LB ₁	螺钉 Screw	卡簧 Collets
	BT50-EHC06 -90	50	6	22	26	50	90	37	29.5	HM08014C	-
	-150	50	6	22	26	50	150	37	89.5	HM08014C	-
	BT50-EHC08 -90	50	8	24	28	50	90	37	30	HM08014C	-
	-150	50	8	24	28	50	150	37	80	HM08014C	-
	BT50-EHC10 -90	50	10	26	30	50	90	41	31	HM08014C	-
	-150	50	10	26	30	50	150	41	93	HM08014C	-
	BT50-EHC12 -90	50	12	28	32	44.5	90	46	34	HM08014C	HC12
	-120	50	12	28	32	44.5	120	46	64	HM08014C	HC12
	150	50	12	28	32	50	150	46	94	HM08014C	HC12
	200	50	12	28	32	50	200	46	145	HM08014C	HC12
	BT50-EHC14 -90	50	14	30	34	44.5	90	46	34	HM08014C	-
	-100	50	14	30	34	44.5	100	46	44	HM08014C	-
	BT50-EHC16 -90	50	16	34	38	44.5	90	49	34	HM08014C	-
	-100	50	16	34	38	44.5	100	49	44	HM08014C	-
	BT50-EHC18 -90	50	18	36	40	44.5	90	49	34	HM08014C	-
	-100	50	18	36	40	44.5	100	49	44	HM08014C	-
	BT50-EHC20 -90	50	20	38	42	44.5	90	51	34	HM08014C	HC20
	-105	50	20	38	42	44.5	105	51	47.5	HM08014C	HC20
	-120	50	20	38	42	44.5	120	51	62.5	HM08014C	HC20
	-150	50	20	38	42	50	150	51	92.5	HM08014C	HC20
	-200	50	20	38	42	50	200	51	142.5	HM08014C	HC20
	BT50-EHC25 -90	50	25	53	57	66	90	57	34	HM12014C	-
	-110	50	25	53	57	66	110	57	54	HM12014C	-
	BT50-EHC32 -90	50	32	60	64	72	90	61	34	HM12014C	HC32
	-115	50	32	60	64	72	115	46	59	HM12014C	HC32

附件 Accessories 扳手 Hex Wrench	D _{WS} = 6	D _{WS} = 8	D _{WS} = 10	D _{WS} = 12	D _{WS} = 16	D _{WS} = 20	D _{WS} = 32
				TS5			

HSK 液压刀柄 HSK Hydraulic Chucks



铣削
刀柄
系统

SK
高速
高精

HM
液压

SR
烧结
刀柄

ADS
后拉
刀柄

强力
刀柄

ER
刀柄

OZ
刀柄

攻牙
刀柄

钻
夹头
刀柄

平面
铣
刀柄

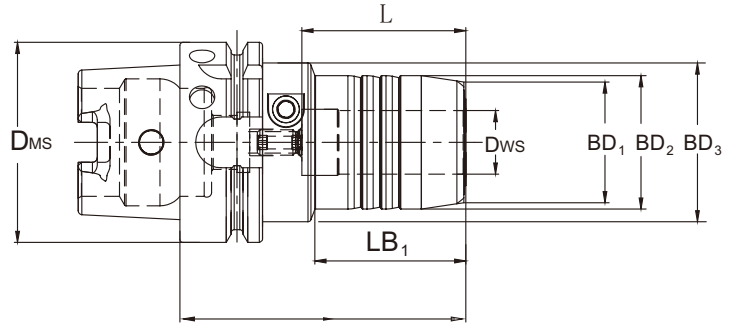
莫氏
刀柄

订购编号 Order No.	型号 Cat No.		D _{MS}	D _{WS}	BD ₁	BD ₂	BD ₃	LF	L	LB ₁	螺钉 Screw	卡簧 Collets
	HSK63A-EHC06-70	HSK-A63	63	6	22	26	50	70	37	24	HM05014C	-
	-90	HSK-A63	63	6	22	26	50	80	37	44	HM05014C	-
	-120	HSK-A63	63	6	22	26	50	120	37	74	HM05014C	-
	-150	HSK-A63	63	6	22	26	50	150	37	104	HM05014C	-
	-200	HSK-A63	63	6	22	26	50	200	37	154	HM05014C	-
	HSK63A-EHC08-70	HSK-A63	63	8	24	28	50	70	37	25	HM06014C	-
	-90	HSK-A63	63	8	24	28	50	90	37	45	HM06014C	-
	-120	HSK-A63	63	8	24	28	50	120	37	75	HM06014C	-
	-150	HSK-A63	63	8	24	28	50	150	37	105	HM06014C	-
	-200	HSK-A63	63	8	24	28	50	200	37	155	HM06014C	-
	HSK63A-EHC10-80	HSK-A63	63	10	26	30	50	80	41	35	HM08014C	-
	-120	HSK-A63	63	10	26	30	50	120	41	75	HM08014C	-
	-150	HSK-A63	63	10	26	30	50	150	41	105	HM08014C	-
	-200	HSK-A63	63	10	26	30	50	200	41	155	HM08014C	-
	HSK63A-EHC12-85	HSK-A63	63	12	28	32	50	85	46	40	HM08014C	HC12
	-120	HSK-A63	63	12	28	32	50	120	46	75	HM08014C	HC12
	-150	HSK-A63	63	12	28	32	50	150	46	105	HM08014C	HC12
	-200	HSK-A63	63	12	28	32	50	200	46	155	HM08014C	HC12
	HSK63A-EHC14-85	HSK-A63	63	14	30	34	50	85	46	40	HM08014C	-
	-150	HSK-A63	63	14	30	34	50	150	46	105	HM08014C	-
	HSK63A-EHC16-90	HSK-A63	63	16	34	38	50	90	49	46	HM08014C	-
	-120	HSK-A63	63	16	34	38	50	120	49	76	HM08014C	-
	-150	HSK-A63	63	16	34	38	50	150	49	106	HM08014C	-
	-200	HSK-A63	63	16	34	38	50	200	49	156	HM08014C	-
	HSK63A-EHC18-90	HSK-A63	63	18	36	40	50	90	49	47	HM08014C	-
	-150	HSK-A63	63	18	36	40	50	150	49	107	HM08014C	-
	HSK63A-EHC20-90	HSK-A63	63	20	38	42	50	90	51	48	HM08014C	HC20
	-120	HSK-A63	63	20	38	42	50	120	51	78	HM08014C	HC20
	-150	HSK-A63	63	20	38	42	50	150	51	108	HM08014C	HC20
	-200	HSK-A63	63	20	38	42	50	200	51	158	HM08014C	HC20
	HSK63A-EHC25-120	HSK-A63	63	25	53	57	63	120	57	59	HM12014C	-
	HSK63A-EHC32-125	HSK-A63	63	32	60	64	75	125	61	63	HM12014C	HC32

附件 Accessories	D _{WS} = 6	D _{WS} = 8	D _{WS} = 10	D _{WS} = 12	D _{WS} = 14	D _{WS} = 16	D _{WS} = 18	D _{WS} = 20	D _{WS} = 25	D _{WS} = 32
扳手 Hex Wrench	TS5								TS6	
冷却液套管 Coolant tubes	TU-HSK63									
扳手 Coolant tube Wrench	W-HSK63									

HSK 液压刀柄

HSK Hydraulic Chucks



铣削
刀柄
系统

SK
高速
高精

HM
液压

SR
烧结
刀柄

ADS
后拉
刀柄

强力
刀柄

ER
刀柄

OZ
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攻牙
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钻
夹头
刀柄

平面
铣
刀柄

莫氏
刀柄

侧固
刀柄

油路
刀柄

订购编号 Order No.	型号 Cat No.		D _{MS}	D _{WS}	BD ₁	BD ₂	BD ₃	LF	L	LB ₁	螺钉 Screw	卡簧 Collets
	HSK100A-EHC06-75	HSK-A100	100	6	22	26	50	75	37	26	HM05014C	—
	-90	HSK-A100	100	6	22	26	50	90	37	41	HM05014C	—
	-120	HSK-A100	100	6	22	26	50	120	37	71	HM05014C	—
	-150	HSK-A100	100	6	22	26	50	150	37	101	HM05014C	—
	HSK100A-EHC08-75	HSK-A100	100	8	24	28	50	75	37	26	HM06014C	—
	-90	HSK-A100	100	8	24	28	50	90	37	41	HM06014C	—
	-120	HSK-A100	100	8	24	28	50	120	37	71	HM06014C	—
	-150	HSK-A100	100	8	24	28	50	150	37	101	HM06014C	—
	HSK100A-EHC10-90	HSK-A100	100	10	26	30	50	90	41	42	HM08014C	—
	-120	HSK-A100	100	10	26	30	50	120	41	72	HM08014C	—
	-150	HSK-A100	100	10	26	30	50	150	41	102	HM08014C	—
	HSK100A-EHC12-95	HSK-A100	100	12	28	32	50	95	46	47	HM08014C	HC12
	-120	HSK-A100	100	12	28	32	50	120	46	72	HM08014C	HC12
	-150	HSK-A100	100	12	28	32	50	150	46	102	HM08014C	HC12
	-200	HSK-A100	100	12	28	32	50	200	46	152	HM08014C	HC12
	HSK100A-EHC14-95	HSK-A100	100	14	30	34	50	95	46	53	HM08014C	—
	-150	HSK-A100	100	14	30	34	50	150	46	103	HM08014C	—
	HSK100A-EHC16-100	HSK-A100	100	16	34	38	50	100	49	53	HM08014C	—
	-120	HSK-A100	100	16	34	38	50	120	49	73	HM08014C	—
	-150	HSK-A100	100	16	34	38	50	150	49	103	HM08014C	—
	HSK100A-EHC18-100	HSK-A100	100	18	36	40	50	100	49	58	HM08014C	—
	-150	HSK-A100	100	18	36	40	50	150	49	108	HM08014C	—
	HSK100A-EHC20-105	HSK-A100	100	20	38	42	50	105	51	59	HM08014C	HC20
	-120	HSK-A100	100	20	38	42	50	120	51	74	HM08014C	HC20
	-150	HSK-A100	100	20	38	42	50	150	51	104	HM08014C	HC20
	-200	HSK-A100	100	20	38	42	50	200	51	154	HM08014C	HC20
	HSK100A-EHC25-110	HSK-A100	100	25	53	57	63	110	57	62	HM12014C	—
	-150	HSK-A100	100	25	53	57	63	150	57	112	HM12014C	—
	HSK100A-EHC32-110	HSK-A100	100	32	60	64	75	110	61	62	HM12014C	HC32
	-150	HSK-A100	100	32	60	64	75	150	61	102	HM12014C	HC32

附件 Accessories	D _{WS} =6	D _{WS} =8	D _{WS} =10	D _{WS} =12	D _{WS} =14	D _{WS} =16	D _{WS} =18	D _{WS} =20	D _{WS} =25	D _{WS} =32
扳手 Hex Wrench	TS5								TS6	
冷却液套管 Coolant tubes	TU-HSK100									
扳手 Coolant tube Wrench	W-HSK100									

热胀刀柄 Shrink fit chuCk



命名规则 Naming Rule

BT 40 - SR 20 - 90 TRN

SR SRS SRC SRV
 厚壁型 薄壁型 强力型 增强型

热胀延长杆命名规则

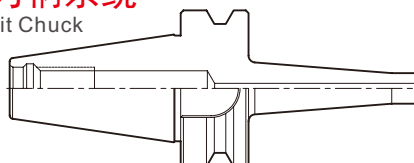
Shrink Fit Extension Naming Rule

S T 20 - SR S 08 - 110 TE

T W S 无
 特精 特精 薄壁型 厚壁型

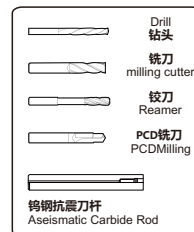
热胀刀柄系统

Shrink Fit Chuck



热胀刀柄

Shrink Fit Chuck



铣削
刀柄
系统

SK
高速
高精

HM
液压

SR
烧结
刀柄

ADS
后拉
刀柄

强力
刀柄

ER
刀柄

OZ
刀柄

攻牙
刀柄

钻
夹头
刀柄

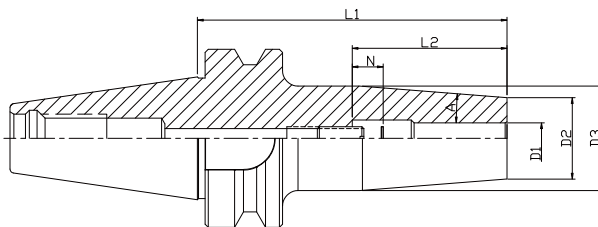
平面
铣
刀柄

莫氏
刀柄

侧固
刀柄

油路
刀柄

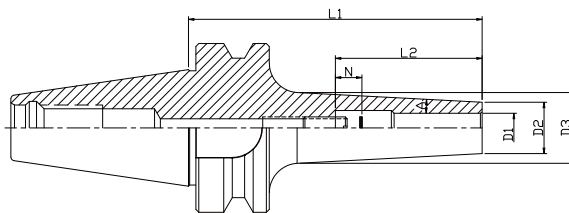
BT30-SR热胀刀柄(厚壁型) BT30-SR Shrink Fit Chuck



单位: mm

型号 Model	D1	D2	D3	L1	L2	N	A	stock		order Number
								R	L	
BT30-SR03-80TRN	3	10	17	80	/	/	4.5°	○	●	
BT30-SR04-80TRN	4	15	20	80	/	/	4.5°	●	●	
BT30-SR05-80TRN	5	15	20	80	/	/	4.5°	○	●	
BT30-SR06-80TRN	6	21	27	80	/	/	4.5°	●	●	
BT30-SR08-80TRN	8	21	27	80	45	18	4.5°	●	●	
BT30-SR10-80TRN	10	24	32	80	52	20	4.5°	●	●	
BT30-SR12-80TRN	12	24	32	80	60	28	4.5°	○	●	
BT30-SR14-80TRN	14	27	34	80	60	24	4.5°	○	●	
BT30-SR16-80TRN	16	27	34	80	65	25	4.5°	●	●	
BT30-SR18-80TRN	18	33	42	80	65	25	4.5°	○	●	

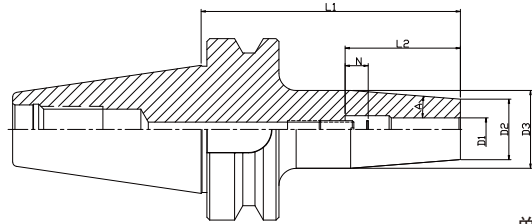
BT30-SRS 热胀刀柄(薄壁型) BT30-SRS Shrink Fit Chuck



单位: mm

型号 Model	D1	D2	D3	L1	L2	N	A	stock		order Number
								R	L	
BT30-SRS03-60TRN	3	8	11	60	/	/	3°	○	●	
BT30-SRS04-60TRN	4	10	13	60	/	/	3°	●	●	
BT30-SRS06-80TRN	6	12	17	80	/	/	3°	○	●	
BT30-SRS08-80TRN	8	14	19	80	45	18	3°	●	●	
BT30-SRS10-80TRN	10	16	21	80	52	20	3°	●	●	
BT30-SRS12-80TRN	12	18	23	80	60	28	3°	●	●	

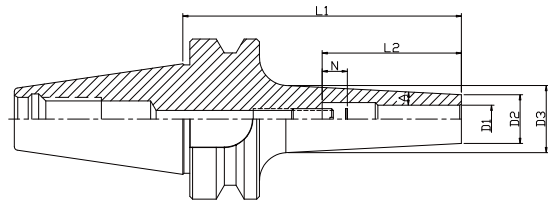
BT40-SR 热胀刀柄 (厚壁型) BT40-SR Shrink Fit Chuck



单位: mm

型号 Model	D1	D2	D3	L1	L2	N	A	stock		order Number
								R	L	
BT40-SR03-90TRN	3	10	17	90	/	/	4.5°	○	●	
BT40-SR04-90TRN	4	15	20	90	/	/	4.5°	●	●	
BT40-SR04-120TRN	4	15	20	120	/	/	4.5°	●	●	
BT40-SR04-160TRN	4	15	25	160	/	/	4.5°	●	●	
BT40-SR05-90TRN	5	15	20	90	/	/	4.5°	○	●	
BT40-SR06-90TRN	6	21	27	90	/	/	4.5°	●	●	
BT40-SR06-120TRN	6	21	27	120	/	/	4.5°	●	●	
BT40-SR06-160TRN	6	21	32	160	/	/	4.5°	●	●	
BT40-SR08-90TRN	8	21	27	90	45	18	4.5°	●	●	
BT40-SR08-120TRN	8	21	27	120	45	18	4.5°	●	●	
BT40-SR08-160TRN	8	21	32	160	45	18	4.5°	●	●	
BT40-SR10-90TRN	10	24	32	90	52	20	4.5°	●	●	
BT40-SR10-120TRN	10	24	32	120	52	20	4.5°	●	●	
BT40-SR10-160TRN	10	24	34	160	52	20	4.5°	●	●	
BT40-SR12-90TRN	12	24	32	90	60	28	4.5°	●	●	
BT40-SR12-120TRN	12	24	32	120	60	28	4.5°	●	●	
BT40-SR12-160TRN	12	24	34	160	60	28	4.5°	●	●	
BT40-SR14-90TRN	14	27	34	90	60	24	4.5°	○	●	
BT40-SR14-120TRN	14	27	34	120	60	24	4.5°	○	●	
BT40-SR14-160TRN	14	27	42	160	60	24	4.5°	○	●	
BT40-SR16-90TRN	16	27	34	90	65	25	4.5°	●	●	
BT40-SR16-120TRN	16	27	34	120	65	25	4.5°	●	●	
BT40-SR16-160TRN	16	27	42	160	65	25	4.5°	●	●	
BT40-SR18-90TRN	18	33	42	90	65	25	4.5°	○	●	
BT40-SR18-120TRN	18	33	42	120	65	25	4.5°	○	●	
BT40-SR18-160TRN	18	33	51	160	65	25	4.5°	○	●	
BT40-SR20-90TRN	20	33	42	90	65	25	4.5°	●	●	
BT40-SR20-120TRN	20	33	42	120	65	25	4.5°	●	●	
BT40-SR20-160TRN	20	33	51	160	65	25	4.5°	●	●	

BT40-SRS 热胀刀柄 (薄壁型) BT40-SRS Shrink Fit Chuck



单位: mm

型号 Model	D1	D2	D3	L1	L2	N	A	stock		order Number
								R	L	
BT40-SRS03-90TRN	3	8	13	90	/	/	3°	○	●	
BT40-SRS04-90TRN	4	10	16	90	/	/	3°	●	●	
BT40-SRS04-120TRN	4	10	19	120	/	/	3°	●	●	
BT40-SRS04-160TRN	4	10	23	160	/	/	3°	●	●	
BT40-SRS06-90TRN	6	12	18	90	/	/	3°	●	●	
BT40-SRS06-120TRN	6	12	21	120	/	/	3°	●	●	
BT40-SRS06-160TRN	6	12	25	160	/	/	3°	●	●	
BT40-SRS08-90TRN	8	14	20	90	45	18	3°	●	●	
BT40-SRS08-120TRN	8	14	23	120	45	18	3°	●	●	
BT40-SRS08-160TRN	8	14	27	160	45	18	3°	●	●	
BT40-SRS10-90TRN	10	16	22	90	52	20	3°	●	●	
BT40-SRS10-120TRN	10	16	25	120	52	20	3°	●	●	
BT40-SRS10-160TRN	10	16	29	160	52	20	3°	●	●	
BT40-SRS12-90TRN	12	18	24	90	60	28	3°	●	●	
BT40-SRS12-120TRN	12	18	27	120	60	28	3°	●	●	
BT40-SRS12-160TRN	12	18	31	160	60	28	3°	●	●	

铣削
刀柄
系统

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钻
夹头
刀柄

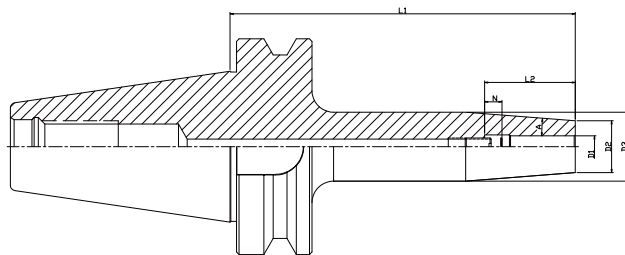
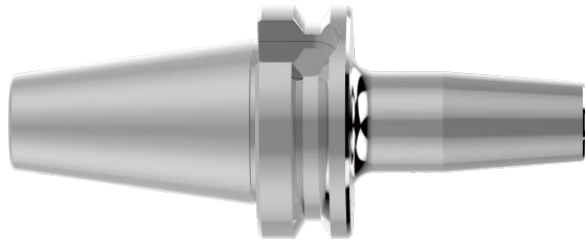
平面
铣
刀柄

莫氏
刀柄

侧固
刀柄

油路
刀柄

BT50-SR 热胀刀柄 (厚壁型) BT50-SR Shrink Fit Chuck



单位: mm

型号 Model	D1	D2	D3	L1	L2	N	A	stock		order Number
								R	L	
BT50-SR06-100TRN	6	21	27	100	/	/	4.5°	●	●	
BT50-SR06-120TRN	6	21	27	120	/	/	4.5°	●	●	
BT50-SR06-160TRN	6	21	32	160	/	/	4.5°	●	●	
BT50-SR08-100TRN	8	21	27	100	45	18	4.5°	●	●	
BT50-SR08-120TRN	8	21	27	120	45	18	4.5°	●	●	
BT50-SR08-160TRN	8	21	32	160	45	18	4.5°	●	●	
BT50-SR10-100TRN	10	24	32	100	52	20	4.5°	●	●	
BT50-SR10-120TRN	10	24	32	120	52	20	4.5°	●	●	
BT50-SR10-160TRN	10	24	34	160	52	20	4.5°	●	●	
BT50-SR12-100TRN	12	24	32	100	60	28	4.5°	●	●	
BT50-SR12-120TRN	12	24	32	120	60	28	4.5°	●	●	
BT50-SR12-160TRN	12	24	34	160	60	28	4.5°	●	●	
BT50-SR14-100TRN	14	27	34	100	60	24	4.5°	○	●	
BT50-SR14-120TRN	14	27	34	120	60	24	4.5°	○	●	
BT50-SR14-160TRN	14	27	42	160	60	24	4.5°	○	●	
BT50-SR16-100TRN	16	27	34	100	65	25	4.5°	●	●	
BT50-SR16-120TRN	16	27	34	120	65	25	4.5°	●	●	
BT50-SR16-160TRN	16	27	42	160	65	25	4.5°	●	●	
BT50-SR18-100TRN	18	33	42	100	65	25	4.5°	○	●	
BT50-SR18-120TRN	18	33	42	120	65	25	4.5°	○	●	
BT50-SR18-160TRN	18	33	51	160	65	25	4.5°	○	●	
BT50-SR20-100TRN	20	33	42	100	65	25	4.5°	●	●	
BT50-SR20-120TRN	20	33	42	120	65	25	4.5°	●	●	
BT50-SR20-160TRN	20	33	51	160	65	25	4.5°	●	●	

铣削
刀柄
系统

SK
高速
高精

HM
液压

SR
烧结
刀柄

ADS
后拉
刀柄

强力
刀柄

ER
刀柄

OZ
刀柄

攻牙
刀柄

钻头
夹头
刀柄

平面
铣
刀柄

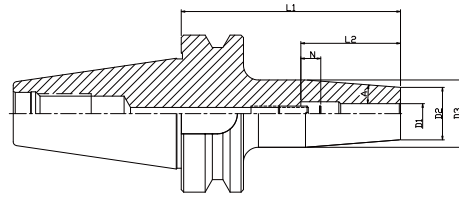
莫氏
刀柄

侧固
刀柄

油路
刀柄

BBT40-SR 热胀刀柄(厚壁型)

BBT40-SR Shrink Fit Chuck



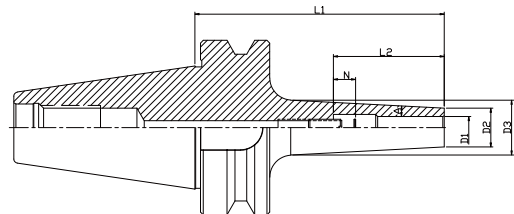
单位: mm

型号 Model	D1	D2	D3	L1	L2	N	A	stock		order Number
								R	L	
BBT40-SR03-90TRN	3	10	17	90	/	/	4.5°	○	●	
BBT40-SR04-90TRN	4	15	20	90	/	/	4.5°	●	●	
BBT40-SR05-90TRN	5	15	20	90	/	/	4.5°	○	●	
BBT40-SR06-90TRN	6	21	27	90	/	/	4.5°	●	●	
BBT40-SR06-120TRN	6	21	27	120	/	/	4.5°	●	●	
BBT40-SR06-160TRN	6	21	32	160	/	/	4.5°	●	●	
BBT40-SR08-90TRN	8	21	27	90	/	/	4.5°	●	●	
BBT40-SR08-120TRN	8	21	27	120	45	18	4.5°	●	●	
BBT40-SR08-160TRN	8	21	32	160	45	18	4.5°	●	●	
BBT40-SR10-90TRN	10	24	32	90	45	18	4.5°	●	●	
BBT40-SR10-120TRN	10	24	32	120	52	20	4.5°	●	●	
BBT40-SR10-160TRN	10	24	34	160	52	20	4.5°	●	●	
BBT40-SR12-90TRN	12	24	32	90	52	20	4.5°	●	●	
BBT40-SR12-120TRN	12	24	32	120	52	28	4.5°	●	●	
BBT40-SR12-160TRN	12	24	34	160	60	28	4.5°	●	●	
BBT40-SR14-90TRN	14	27	34	90	60	28	4.5°	○	●	
BBT40-SR14-120TRN	14	27	34	120	60	24	4.5°	○	●	
BBT40-SR14-160TRN	14	27	42	160	60	24	4.5°	○	●	
BBT40-SR16-90TRN	16	27	34	90	60	24	4.5°	●	●	
BBT40-SR16-120TRN	16	27	34	120	60	25	4.5°	●	●	
BBT40-SR16-160TRN	16	27	42	160	60	25	4.5°	●	●	
BBT40-SR18-90TRN	18	33	42	90	65	25	4.5°	○	●	
BBT40-SR18-120TRN	18	33	42	120	65	25	4.5°	○	●	
BBT40-SR18-160TRN	18	33	51	160	65	25	4.5°	○	●	
BBT40-SR20-90TRN	20	33	42	90	65	25	4.5°	●	●	
BBT40-SR20-120TRN	20	33	42	120	65	25	4.5°	●	●	
BBT40-SR20-160TRN	20	33	51	160	65	25	4.5°	●	●	

65
65
65
65

BBT40-SRS 热胀刀柄(薄壁型)

BBT40-SRS Shrink Fit Chuck



单位: mm

型号 Model	D1	D2	D3	L1	L2	N	A	stock		order Number
								R	L	
BBT40-SRS03-90TRN	3	8	13	90	/	/	3°	○	●	
BBT40-SRS04-90TRN	4	10	16	90	/	/	3°	●	●	
BBT40-SRS04-120TRN	4	10	19	120	/	/	3°	●	●	
BBT40-SRS04-160TRN	4	10	23	160	/	/	3°	●	●	
BBT40-SRS06-90TRN	6	12	18	90	/	/	3°	●	●	
BBT40-SRS06-120TRN	6	12	21	120	/	/	3°	●	●	
BBT40-SRS06-160TRN	6	12	25	160	/	/	3°	●	●	
BBT40-SRS08-90TRN	8	14	20	90	45	18	3°	●	●	
BBT40-SRS08-120TRN	8	14	23	120	45	18	3°	●	●	
BBT40-SRS08-160TRN	8	14	27	160	45	18	3°	●	●	
BBT40-SRS10-90TRN	10	16	22	90	52	20	3°	●	●	
BBT40-SRS10-120TRN	10	16	25	120	52	20	3°	●	●	
BBT40-SRS10-160TRN	10	16	29	160	52	20	3°	●	●	
BBT40-SRS12-90TRN	12	18	24	90	60	28	3°	●	●	
BBT40-SRS12-120TRN	12	18	27	120	60	28	3°	●	●	
BBT40-SRS12-160TRN	12	18	31	160	60	28	3°	●	●	

铣削
刀柄
系统

SK
高速
高精

HM
液压

SR
烧
结
刀
柄

ADS
后
拉
刀
柄

强
力
刀
柄

ER
刀
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OZ
刀
柄

攻
牙
刀
柄

钻
夹
头
刀
柄

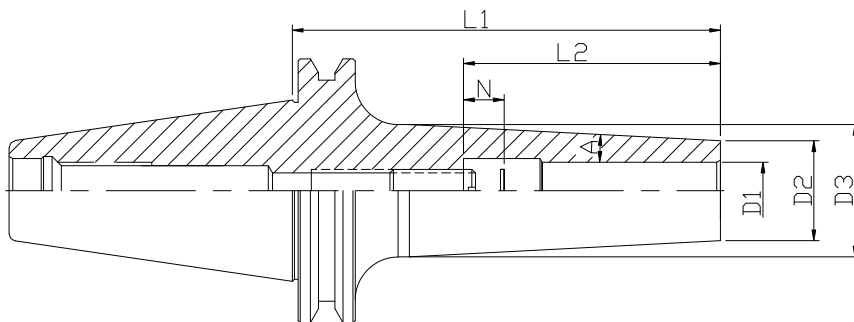
平
面
铣
刀
柄

莫
氏
刀
柄

侧
固
刀
柄

油
路
刀
柄

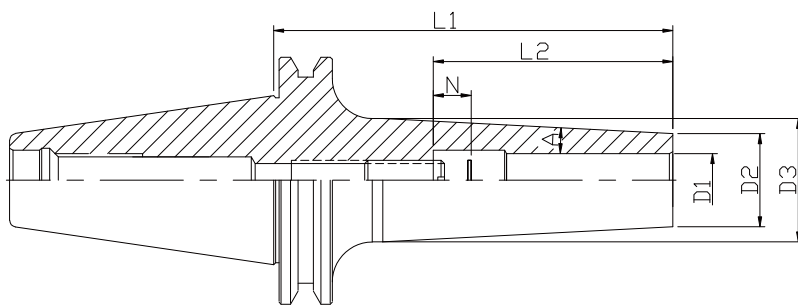
ISO20-SRS 热胀刀柄 (薄壁型) ISO20-SRS Shrink Fit Chuck



单位: mm

型号 Model	D1	D2	D3	L1	L2	N	A	stock		order Number
								R	L	
ISO20-SRS04-45TRN	4	10	13	45	/	/	3°	●	●	
ISO20-SRS06-45TRN	6	12	15	45	/	/	3°	●	●	
ISO20-SRS08-45TRN	8	14	17	45	45	18	3°	●	●	
ISO20-SRS10-50TRN	10	16	20	45	52	20	3°	●	●	

ISO25-SRS 热胀刀柄 (薄壁型) ISO25-SRS Shrink Fit Chuck



单位: mm

型号 Model	D1	D2	D3	L1	L2	N	A	stock		order Number
								R	L	
ISO25-SRS04-60TRN	4	10	14	60	/	/	3°	●	●	
ISO25-SRS04-90TRN	4	10	17	90	/	/	3°	●	●	
ISO25-SRS06-60TRN	6	12	16	60	/	/	3°	●	●	
ISO25-SRS06-90TRN	6	12	20	90	/	/	3°	●	●	
ISO25-SRS08-60TRN	8	14	18	60	45	18	3°	●	●	
ISO25-SRS08-90TRN	8	14	22	90	45	18	3°	●	●	
ISO25-SRS10-60TRN	10	16	20	60	52	20	3°	●	●	
ISO25-SRS10-90TRN	10	16	24	90	52	20	3°	●	●	
ISO25-SRS12-60TRN	12	18	23	60	60	28	3°	●	●	
ISO25-SRS12-90TRN	12	18	26	90	60	28	3°	●	●	

铣削
刀柄
系统

SK
高速
高精

HM
液压

SR
烧结
刀柄

ADS
后拉
刀柄

强力
刀柄

ER
刀柄

OZ
刀柄

攻牙
刀柄

钻
夹头
刀柄

平面
铣
刀柄

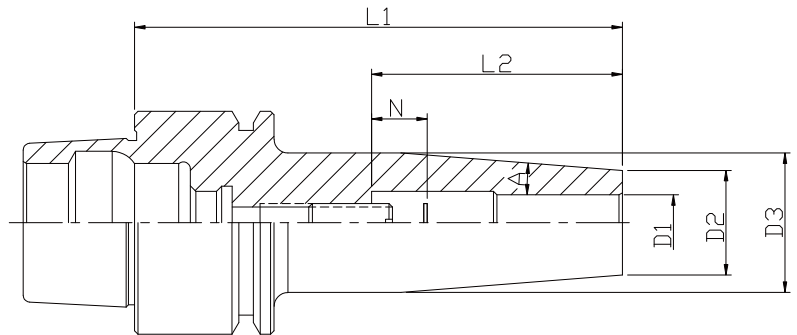
莫氏
刀柄

侧固
刀柄

油路
刀柄

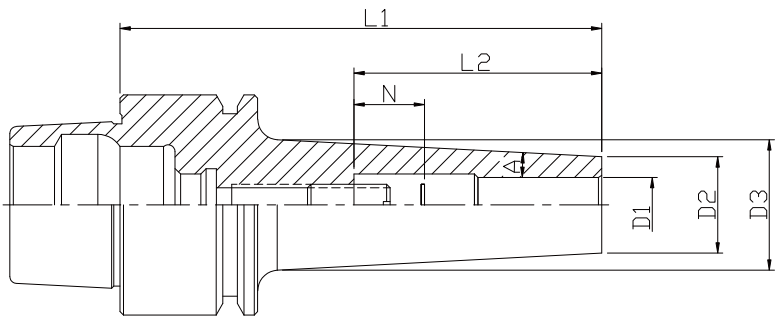
HSK32E-SR/SRS 热胀刀柄(厚壁型/薄壁型)

HSK32E-SR/SRS Shrink Fit Chuck



单位: mm

型号 Model	D1	D2	D3	L1	L2	N	A	stock		order Number
								R	L	
HSK32E-SR03-60TRN	3	10	17	60	/	/	4.5°	○	●	
HSK32E-SR04-60TRN	4	15	20	60	/	/	4.5°	●	●	
HSK32E-SR05-60TRN	5	15	20	60	/	/	4.5°	○	●	
HSK32E-SR06-70TRN	6	20	26	70	/	/	4.5°	●	●	
HSK32E-SR08-70TRN	8	20	26	70	45	18	4.5°	●	●	
HSK32E-SR10-70TRN	10	24	29	70	52	20	4.5°	●	●	
HSK32E-SR12-70TRN	12	24	29	70	60	28	4.5°	●	●	



单位: mm

型号 Model	D1	D2	D3	L1	L2	N	A	stock		order Number
								R	L	
HSK32E-SRS03-60TRN	3	8	11	60	/	/	3°	●	●	
HSK32E-SRS04-60TRN	4	10	14	60	/	/	3°	●	●	
HSK32E-SRS06-70TRN	6	12	17	60	/	/	3°	●	●	
HSK32E-SRS08-70TRN	8	14	19	70	45	18	3°	●	●	
HSK32E-SRS10-80TRN	10	16	22	80	52	20	3°	●	●	

铣削
刀柄
系统

SK
高速
高精

HM
液压

SR
烧结
刀柄

ADS
后拉
刀柄

强力
刀柄

ER
刀柄

OZ
刀柄

攻牙
刀柄

钻
夹头
刀柄

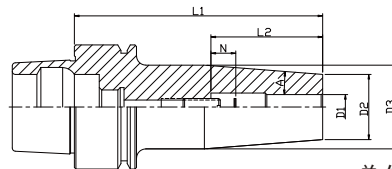
平面
铣
刀柄

莫氏
刀柄

侧固
刀柄

油路
刀柄

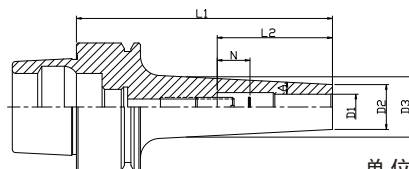
HSK40E-SR 热胀刀柄 (厚壁型) HSK40E-SR Shrink Fit Chuck



单位: mm

型号 Model	D1	D2	D3	L1	L2	N	A	stock		order Number
								R	L	
HSK40E-SR03-60TRN	3	10	17	60	/	/	4.5°	○	●	
HSK40E-SR03-80TRN	3	10	19	80	/	/	4.5°	○	●	
HSK40E-SR04-60TRN	4	15	20	60	/	/	4.5°	●	●	
HSK40E-SR04-80TRN	4	15	20	80	/	/	4.5°	●	●	
HSK40E-SR05-60TRN	5	15	20	60	/	/	4.5°	○	●	
HSK40E-SR05-80TRN	5	15	20	80	/	/	4.5°	○	●	
HSK40E-SR06-65TRN	6	21	27	65	/	/	4.5°	●	●	
HSK40E-SR06-80TRN	6	21	27	80	/	/	4.5°	●	●	
HSK40E-SR08-65TRN	8	21	27	65	45	18	4.5°	●	●	
HSK40E-SR08-80TRN	8	21	27	80	45	18	4.5°	●	●	
HSK40E-SR10-65TRN	10	24	30	65	52	20	4.5°	●	●	
HSK40E-SR10-80TRN	10	24	32	80	52	20	4.5°	●	●	
HSK40E-SR12-65TRN	12	24	30	65	60	28	4.5°	●	●	
HSK40E-SR12-90TRN	12	24	32	90	60	28	4.5°	○	●	
HSK40E-SR16-90TRN	16	27	34	90	65	25	4.5°	○	●	

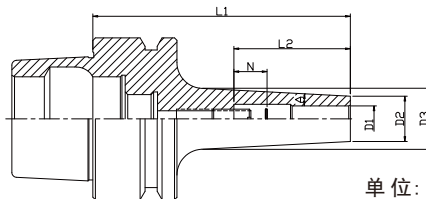
HSK40E-SRS 热胀刀柄 (薄壁型) HSK40E-SRS Shrink Fit Chuck



单位: mm

型号 Model	D1	D2	D3	L1	L2	N	A	stock		order Number
								R	L	
HSK40E-SRS03-60TRN	3	8	11	60	/	/	3°	○	●	
HSK40E-SRS04-60TRN	4	10	14	60	/	/	3°	●	●	
HSK40E-SRS06-60TRN	6	12	16	60	/	/	3°	●	●	
HSK40E-SRS06-80TRN	6	12	18	80	/	/	3°	●	●	
HSK40E-SRS08-60TRN	8	14	18	60	45	18	3°	●	●	
HSK40E-SRS08-80TRN	8	14	20	80	45	18	3°	●	●	
HSK40E-SRS10-60TRN	10	16	20	60	52	20	3°	●	●	
HSK40E-SRS10-90TRN	10	16	23	90	52	20	3°	●	●	
HSK40E-SRS12-60TRN	12	18	22	60	60	28	3°	●	●	
HSK40E-SRS12-90TRN	12	18	25	90	60	28	3°	●	●	

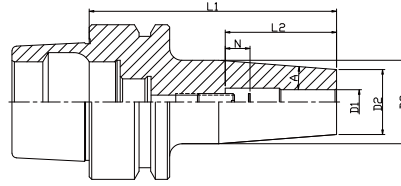
HSK50E-SRS 热胀刀柄 (薄壁型) HSK50E-SRS Shrink Fit Chuck



单位: mm

型号 Model	D1	D2	D3	L1	L2	N	A	stock		order Number
								R	L	
HSK50E-SRS03-70TRN	3	8	11	70	/	/	3°	○	●	
HSK50E-SRS03-100TRN	3	8	15	100	/	/	3°	○	●	
HSK50E-SRS04-60TRN	4	10	13	60	/	/	3°	○	●	
HSK50E-SRS04-80TRN	4	10	15	80	/	/	3°	○	●	
HSK50E-SRS04-120TRN	4	10	19	120	/	/	3°	●	●	
HSK50E-SRS04-160TRN	4	10	23	160	/	/	3°	●	●	
HSK50E-SRS06-80TRN	6	12	17	80	/	/	3°	●	●	
HSK50E-SRS06-120TRN	6	12	21	120	/	/	3°	●	●	
HSK50E-SRS06-160TRN	6	12	25	160	/	/	3°	●	●	
HSK50E-SRS08-80TRN	8	14	19	80	45	18	3°	●	●	
HSK50E-SRS08-120TRN	8	14	23	120	45	18	3°	●	●	
HSK50E-SRS08-160TRN	8	14	27	160	45	18	3°	●	●	
HSK50E-SRS10-85TRN	10	16	22	85	52	20	3°	●	●	
HSK50E-SRS10-120TRN	10	16	25	120	52	20	3°	●	●	
HSK50E-SRS10-160TRN	10	16	29	160	52	20	3°	●	●	
HSK50E-SRS12-90TRN	12	18	24	90	60	28	3°	●	●	
HSK50E-SRS12-120TRN	12	18	27	120	60	28	3°	●	●	
HSK50E-SRS12-160TRN	12	18	31	160	60	28	3°	●	●	

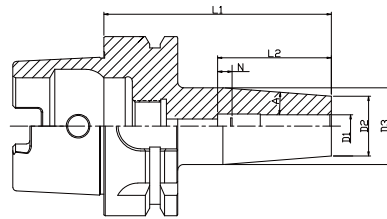
HSK50E-SR 热胀刀柄 (厚壁型) HSK50E-SR Shrink Fit Chuck



单位: mm

型号 Model	D1	D2	D3	L1	L2	N	A	stock		order Number
								R	L	
HSK50E-SR03-80TRN	3	10	17	80	/	/	4.5°	●	●	
HSK50E-SR04-60TRN	4	15	20	60	/	/	4.5°	○	●	
HSK50E-SR04-80TRN	4	15	20	80	/	/	4.5°	●	●	
HSK50E-SR04-120TRN	4	15	20	120	/	/	4.5°	●	●	
HSK50E-SR04-160TRN	4	15	25	160	/	/	4.5°	●	●	
HSK50E-SR05-80TRN	5	15	20	80	/	/	4.5°	●	●	
HSK50E-SR05-120TRN	5	15	20	120	/	/	4.5°	○	●	
HSK50E-SR05-160TRN	5	15	25	160	/	/	4.5°	○	●	
HSK50E-SR06-80TRN	6	21	27	80	/	/	4.5°	○	●	
HSK50E-SR06-120TRN	6	21	27	120	/	/	4.5°	●	●	
HSK50E-SR06-160TRN	6	21	32	160	/	/	4.5°	●	●	
HSK50E-SR08-80TRN	8	21	27	80	45	18	4.5°	●	●	
HSK50E-SR08-120TRN	8	21	27	120	45	18	4.5°	●	●	
HSK50E-SR08-160TRN	8	21	32	160	45	18	4.5°	●	●	
HSK50E-SR10-85TRN	10	24	32	85	52	20	4.5°	●	●	
HSK50E-SR10-120TRN	10	24	32	120	52	20	4.5°	●	●	
HSK50E-SR10-160TRN	10	24	34	160	52	20	4.5°	●	●	
HSK50E-SR12-90TRN	12	24	32	90	60	28	4.5°	●	●	
HSK50E-SR12-120TRN	12	24	32	120	60	28	4.5°	●	●	
HSK50E-SR12-160TRN	12	24	34	160	60	28	4.5°	●	●	
HSK50E-SR14-90TRN	14	27	34	90	60	24	4.5°	○	●	
HSK50E-SR14-120TRN	14	27	34	120	60	24	4.5°	○	●	
HSK50E-SR14-160TRN	14	27	34	160	60	24	4.5°	○	●	
HSK50E-SR16-95TRN	16	27	34	95	65	25	4.5°	●	●	
HSK50E-SR16-120TRN	16	27	34	120	65	25	4.5°	●	●	
HSK50E-SR16-160TRN	16	27	34	160	65	25	4.5°	●	●	
HSK50E-SR18-95TRN	18	33	42	95	65	25	4.5°	○	●	
HSK50E-SR20-100TRN	20	33	42	100	65	25	4.5°	●	●	

HSK50A-SR 热胀刀柄 (厚壁型) HSK50A-SR Shrink Fit Chuck



单位: mm

型号 Model	D1	D2	D3	L1	L2	N	A	stock		order Number
								R	L	
HSK50A-SR03-80TRN	3	10	17	80	/	/	4.5°	○	●	
HSK50A-SR04-80TRN	4	15	20	80	/	/	4.5°	●	●	
HSK50A-SR04-120TRN	4	15	20	120	/	/	4.5°	●	●	
HSK50A-SR05-80TRN	5	15	20	80	/	/	4.5°	○	●	
HSK50A-SR06-80TRN	6	21	27	80	/	/	4.5°	●	●	
HSK50A-SR06-120TRN	6	21	27	120	/	/	4.5°	●	●	
HSK50A-SR08-80TRN	8	21	27	80	45	18	4.5°	●	●	
HSK50A-SR08-120TRN	8	21	27	120	45	18	4.5°	●	●	
HSK50A-SR10-85TRN	10	24	32	85	52	20	4.5°	●	●	
HSK50A-SR10-120TRN	10	24	32	120	52	20	4.5°	●	●	
HSK50A-SR12-90TRN	12	24	32	90	60	28	4.5°	●	●	
HSK50A-SR12-120TRN	12	24	32	120	60	28	4.5°	●	●	
HSK50A-SR14-90TRN	14	27	34	90	60	24	4.5°	○	●	
HSK50A-SR14-120TRN	14	27	34	120	60	24	4.5°	○	●	
HSK50A-SR16-95TRN	16	27	34	95	65	25	4.5°	●	●	
HSK50A-SR16-120TRN	16	27	34	120	65	25	4.5°	●	●	
HSK50A-SR18-95TRN	18	33	42	95	65	25	4.5°	○	●	
HSK50A-SR20-100TRN	20	33	42	100	65	25	4.5°	●	●	

铣削
刀柄
系统

SK
高速
高精

HM
液压

SR
烧结
刀柄

ADS
后拉
刀柄

强力
刀柄

ER
刀柄

OZ
刀柄

攻牙
刀柄

钻
夹头
刀柄

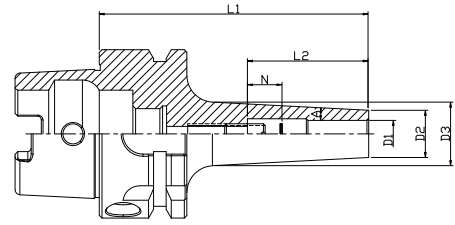
平面
铣
刀柄

莫氏
刀柄

侧固
刀柄

油路
刀柄

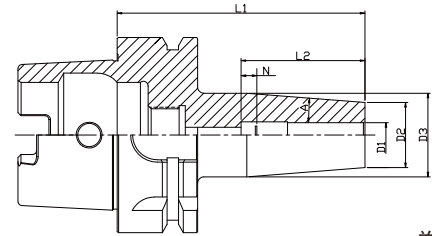
HSK50A-SRS 热胀刀柄(薄壁型) HSK50A-SRS Shrink Fit Chuck



单位: mm

型号 Model	D1	D2	D3	L1	L2	N	A	stock		order Number
								R	L	
HSK50A-SRS04-80TRN	4	10	15	80	/	/	3°	●	●	
HSK50A-SRS04-120TRN	4	10	19	120	/	/	3°	○	●	
HSK50A-SRS04-160TRN	4	10	23	160	/	/	3°	○	●	
HSK50A-SRS06-80TRN	6	12	17	80	/	/	3°	●	●	
HSK50A-SRS06-120TRN	6	12	21	120	/	/	3°	○	●	
HSK50A-SRS06-160TRN	6	12	25	160	/	/	3°	○	●	
HSK50A-SRS08-80TRN	8	14	19	80	45	18	3°	●	●	
HSK50A-SRS08-120TRN	8	6	23	120	45	18	3°	○	●	
HSK50A-SRS08-160TRN	8	6	27	160	45	18	3°	○	●	
HSK50A-SRS10-85TRN	10	16	22	85	52	20	3°	●	●	
HSK50A-SRS10-120TRN	10	16	25	120	52	20	3°	○	●	
HSK50A-SRS10-160TRN	10	16	29	160	52	20	3°	○	●	
HSK50A-SRS12-90TRN	12	18	24	90	60	28	3°	●	●	
HSK50A-SRS12-120TRN	12	18	27	120	60	28	3°	○	●	
HSK50A-SRS12-160TRN	12	18	31	160	60	28	3°	○	●	

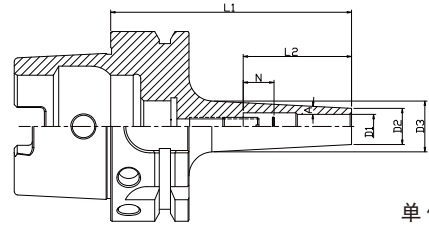
HSK63A-SR 热胀刀柄(厚壁型) HSK63A-SR Shrink Fit Chuck



单位: mm

型号 Model	D1	D2	D3	L1	L2	N	A	stock		order Number
								R	L	
HSK63A-SR03-80TRN	3	10	17	80	/	/	4.5°	○	●	
HSK63A-SR04-80TRN	4	15	20	80	/	/	4.5°	●	●	
HSK63A-SR04-120TRN	4	15	20	120	/	/	4.5°	●	●	
HSK63A-SR04-160TRN	4	15	25	160	/	/	4.5°	●	●	
HSK63A-SR05-80TRN	5	15	20	80	/	/	4.5°	○	●	
HSK63A-SR06-80TRN	6	21	27	80	/	/	4.5°	●	●	
HSK63A-SR06-120TRN	6	21	27	120	/	/	4.5°	●	●	
HSK63A-SR06-160TRN	6	21	32	160	/	/	4.5°	●	●	
HSK63A-SR08-80TRN	8	21	27	80	45	18	4.5°	●	●	
HSK63A-SR08-120TRN	8	21	27	120	45	18	4.5°	●	●	
HSK63A-SR08-160TRN	8	21	32	160	45	18	4.5°	●	●	
HSK63A-SR10-85TRN	10	24	32	85	52	20	4.5°	●	●	
HSK63A-SR10-120TRN	10	24	32	120	52	20	4.5°	●	●	
HSK63A-SR10-160TRN	10	24	34	160	52	20	4.5°	●	●	
HSK63A-SR12-90TRN	12	24	32	90	60	28	4.5°	●	●	
HSK63A-SR12-120TRN	12	24	32	120	60	28	4.5°	●	●	
HSK63A-SR12-160TRN	12	24	34	160	60	28	4.5°	●	●	
HSK63A-SR14-90TRN	14	27	34	90	60	24	4.5°	○	●	
HSK63A-SR14-120TRN	14	27	34	120	60	24	4.5°	○	●	
HSK63A-SR14-160TRN	14	27	42	160	60	24	4.5°	○	●	
HSK63A-SR16-95TRN	16	27	34	95	65	25	4.5°	●	●	
HSK63A-SR16-120TRN	16	27	34	120	65	25	4.5°	●	●	
HSK63A-SR16-160TRN	16	27	42	160	65	25	4.5°	●	●	
HSK63A-SR18-95TRN	18	33	42	95	65	25	4.5°	○	●	
HSK63A-SR18-120TRN	18	33	42	120	65	25	4.5°	○	●	
HSK63A-SR18-160TRN	18	33	51	160	65	25	4.5°	○	●	
HSK63A-SR20-100TRN	20	33	42	100	65	25	4.5°	●	●	
HSK63A-SR20-120TRN	20	33	42	120	65	25	4.5°	●	●	
HSK63A-SR20-160TRN	20	33	51	160	65	25	4.5°	●	●	

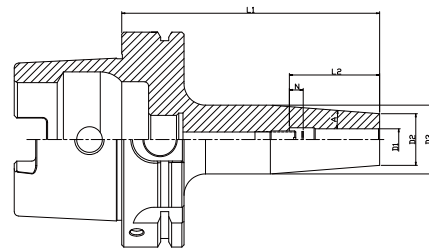
HSK63A-SRS 热胀刀柄 (薄壁型) HSK63A-SRS Shrink Fit Chuck



单位: mm

型号 Model	D1	D2	D3	L1	L2	N	A	stock		order Number
								R	L	
HSK63A-SRS03-70TRN	3	8	11	70	/	/	3°	○	●	
HSK63A-SRS03-100TRN	3	8	15	100	/	/	3°	○	●	
HSK63A-SRS03-130TRN	3	8	18	130	/	/	3°	○	●	
HSK63A-SRS04-80TRN	4	10	15	80	/	/	3°	●	●	
HSK63A-SRS04-120TRN	4	10	19	120	/	/	3°	●	●	
HSK63A-SRS04-160TRN	4	10	24	160	/	/	3°	○	●	
HSK63A-SRS06-80TRN	6	12	17	80	/	/	3°	●	●	
HSK63A-SRS06-120TRN	6	12	21	120	/	/	3°	●	●	
HSK63A-SRS06-160TRN	6	12	26	160	/	/	3°	○	●	
HSK63A-SRS08-80TRN	8	14	19	80	45	18	3°	●	●	
HSK63A-SRS08-120TRN	8	14	23	120	45	18	3°	●	●	
HSK63A-SRS08-160TRN	8	14	28	160	45	18	3°	○	●	
HSK63A-SRS10-85TRN	10	16	22	85	52	20	3°	●	●	
HSK63A-SRS10-120TRN	10	16	25	120	52	20	3°	●	●	
HSK63A-SRS10-160TRN	10	16	30	160	52	20	3°	○	●	
HSK63A-SRS12-90TRN	12	18	24	90	60	28	3°	●	●	
HSK63A-SRS12-120TRN	12	18	27	120	60	28	3°	●	●	
HSK63A-SRS12-160TRN	12	18	32	160	60	28	3°	○	●	

HSK100A-SR 热胀刀柄 (厚壁型) HSK100A-SR Shrink Fit Chuck



单位: mm

型号 Model	D1	D2	D3	L1	L2	N	A	stock		order Number
								R	L	
HSK100A-SR06-85TRN	6	21	27	85	/	/	4.5°	●	●	
HSK100A-SR06-120TRN	6	21	27	120	/	/	4.5°	●	●	
HSK100A-SR06-160TRN	6	21	32	160	/	/	4.5°	●	●	
HSK100A-SR08-85TRN	8	21	27	85	45	18	4.5°	●	●	
HSK100A-SR08-120TRN	8	21	27	120	45	18	4.5°	●	●	
HSK100A-SR08-160TRN	8	21	32	160	45	18	4.5°	●	●	
HSK100A-SR10-90TRN	10	24	32	90	52	20	4.5°	●	●	
HSK100A-SR10-120TRN	10	24	32	120	52	20	4.5°	●	●	
HSK100A-SR10-160TRN	10	24	34	160	52	20	4.5°	●	●	
HSK100A-SR12-95TRN	12	24	32	95	60	28	4.5°	●	●	
HSK100A-SR12-120TRN	12	24	32	120	60	28	4.5°	●	●	
HSK100A-SR12-160TRN	12	24	34	160	60	28	4.5°	●	●	
HSK100A-SR14-95TRN	14	27	34	95	60	24	4.5°	○	●	
HSK100A-SR14-120TRN	14	27	34	120	60	24	4.5°	○	●	
HSK100A-SR14-160TRN	14	27	42	160	60	24	4.5°	○	●	
HSK100A-SR16-100TRN	16	27	34	100	65	25	4.5°	●	●	
HSK100A-SR16-120TRN	16	27	34	120	65	25	4.5°	●	●	
HSK100A-SR16-160TRN	16	27	42	160	65	25	4.5°	●	●	
HSK100A-SR18-100RN	18	33	42	100	65	25	4.5°	○	●	
HSK100A-SR18-120TRN	18	33	42	120	65	25	4.5°	○	●	
HSK100A-SR18-160TRN	18	33	51	160	65	25	4.5°	○	●	
HSK100A-SR20-105TRN	20	33	42	105	65	25	4.5°	●	●	
HSK100A-SR20-120TRN	20	33	42	120	65	25	4.5°	●	●	
HSK100A-SR20-160TRN	20	33	51	160	65	25	4.5°	●	●	

铁削
刀柄
系统

SK
高速
高精

HM
液压

SR
烧结
刀柄

ADS
后拉
刀柄

强力
刀柄

ER
刀柄

OZ
刀柄

攻牙
刀柄

钻
夹头
刀柄

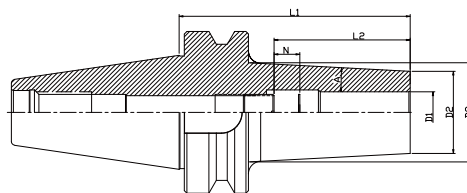
平面
铣
刀柄

莫氏
刀柄

侧固
刀柄

油路
刀柄

BT40-SRC 热胀刀柄 (强力型) BT40-SRC Shrink Fit Chuck



BT40-SRC

单位: mm

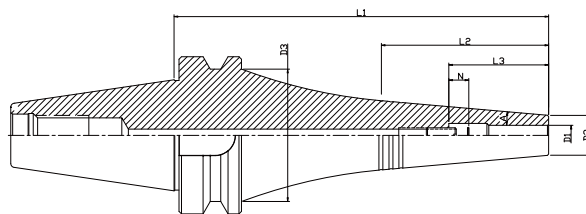
型号 Model	D1	D2	D3	L1	L2	N	A	stock		order Number
								R	L	
BT40-SRC12-95	12	26	33.13	95	60	28	3°	●	●	
BT40-SRC12-125	12	26	36.27	125	60	28	3°	○	●	
BT40-SRC12-155	12	26	39.42	155	60	28	3°	○	●	
BT40-SRC16-95	16	32	39.13	95	65	25	3°	●	●	
BT40-SRC16-125	16	32	42.27	125	65	25	3°	○	●	
BT40-SRC16-155	16	32	45.42	155	65	25	3°	○	●	
BT40-SRC20-95	20	38	45.13	95	65	25	3°	●	●	
BT40-SRC20-125	20	38	48.27	125	65	25	3°	○	●	
BT40-SRC20-155	20	38	51.42	155	65	25	3°	○	●	
BT40-SRC25-95	25	45	52.13	95	70	25	3°	●	●	
BT40-SRC25-125	25	45	55.27	125	70	25	3°	○	●	
BT40-SRC25-155	32	54	58.42	155	75	25	3°	○	●	

BT50-SRC

单位: mm

型号 Model	D1	D2	D3	L1	L2	N	A	stock		order Number
								R	L	
BT50-SRC12-110	12	26	33.55	110	60	28	3°	●	●	
BT50-SRC12-135	12	26	36.17	135	60	28	3°	○	●	
BT50-SRC12-165	12	26	39.31	165	60	28	3°	○	●	
BT50-SRC16-110	16	32	39.55	110	65	25	3°	●	●	
BT50-SRC16-135	16	32	42.17	135	65	25	3°	○	●	
BT50-SRC16-165	16	32	45.31	165	65	25	3°	○	●	
BT50-SRC20-110	20	38	45.55	110	65	25	3°	●	●	
BT50-SRC20-135	20	38	48.17	135	65	25	3°	○	●	
BT50-SRC20-165	20	38	51.31	165	65	25	3°	○	●	
BT50-SRC25-110	25	45	52.55	110	70	25	3°	●	●	
BT50-SRC25-140	25	45	55.69	140	70	25	3°	○	●	
BT50-SRC25-170	25	45	58.84	170	70	25	3°	○	●	
BT50-SRC32-110	32	54	61.55	110	75	25	3°	●	●	
BT50-SRC32-140	32	54	64.69	140	75	25	3°	○	●	
BT50-SRC32-170	32	54	67.84	170	75	25	3°	○	●	

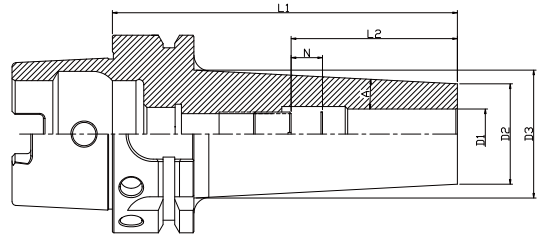
BT40-SRV 热胀刀柄 (增强型) BT40-SRV Shrink Fit Chuck



单位: mm

型号 Model	D1	D2	D3	L1	L2	N	A	stock		order Number
								R	L	
BT40-SRV04-150	4	12	53	150	67	/	/	●	●	
BT40-SRV04-180	4	12	53	180	67	/	/	○	●	
BT40-SRV04-210	4	12	53	210	67	/	/	○	●	
BT40-SRV06-150	6	14	53	150	67	/	/	●	●	
BT40-SRV06-180	6	14	53	180	67	/	/	○	●	
BT40-SRV06-210	6	14	53	210	67	/	/	○	●	
BT40-SRV08-150	8	16	53	150	67	45	18	●	●	
BT40-SRV08-180	8	16	53	180	67	45	18	○	●	
BT40-SRV08-210	8	16	53	210	67	45	18	○	●	
BT40-SRV10-150	10	18	53	150	67	52	20	●	●	
BT40-SRV10-180	10	18	53	180	67	52	20	○	●	
BT40-SRV10-210	10	18	53	210	67	52	20	○	●	
BT40-SRV12-150	12	20	53	150	67	60	28	●	●	
BT40-SRV12-180	12	20	53	180	67	60	28	○	●	
BT40-SRV12-210	12	20	53	210	67	60	28	○	●	

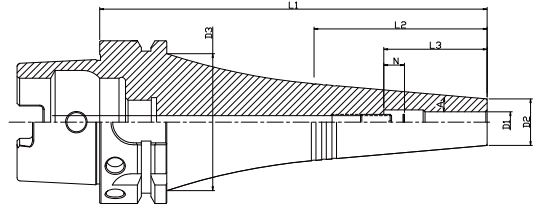
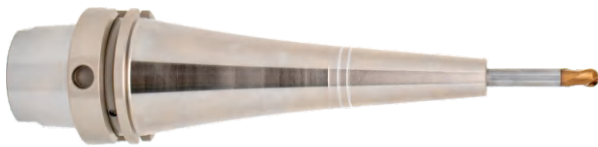
HSK63A-SRC 热胀刀柄 (强力型) HSK63A-SRC Shrink Fit Chuck



单位: mm

型号 Model	D1	D2	D3	L1	L2	N	A	stock		order Number
								R	L	
HSK63A-SRC12-105	12	26	34.28	105	60	28	3°	●	●	
HSK63A-SRC12-135	12	26	37.42	135	60	28	3°	○	●	
HSK63A-SRC12-155	12	26	39.52	155	60	28	3°	○	●	
HSK63A-SRC16-105	16	32	40.28	105	65	25	3°	●	●	
HSK63A-SRC16-135	16	32	43.42	135	65	25	3°	○	●	
HSK63A-SRC16-155	16	32	45.52	155	65	25	3°	○	●	
HSK63A-SRC20-120	20	38	47.85	120	65	25	3°	●	●	
HSK63A-SRC20-155	20	38	51.52	155	65	25	3°	○	●	
HSK63A-SRC25-125	25	45	55.38	125	70	25	3°	●	●	
HSK63A-SRC25-155	25	45	58.52	155	70	25	3°	○	●	
HSK100A-SRC12-110	12	26	34.49	110	60	28	3°	●	●	
HSK100A-SRC12-135	12	26	37.11	135	60	28	3°	○	●	
HSK100A-SRC12-165	12	26	40.25	165	60	28	3°	○	●	
HSK100A-SRC16-110	16	32	40.49	110	65	25	3°	●	●	
HSK100A-SRC16-135	16	32	43.11	135	65	25	3°	○	●	
HSK100A-SRC16-165	16	32	46.25	165	65	25	3°	○	●	
HSK100A-SRC20-110	20	38	46.49	110	65	25	3°	●	●	
HSK100A-SRC20-135	20	38	49.11	135	65	25	3°	○	●	
HSK100A-SRC20-165	20	38	52.25	165	65	25	3°	○	●	
HSK100A-SRC25-110	25	45	53.49	110	70	25	3°	○	●	
HSK100A-SRC25-170	25	45	59.78	170	70	25	3°	○	●	
HSK100A-SRC32-110	32	54	62.49	110	75	25	3°	●	●	
HSK100A-SRC32-170	32	54	68.78	170	75	25	3°	○	●	

HSK63A-SRV 热胀刀柄 (增强型) HSK63A-SRV Shrink Fit Chuck



单位: mm

型号 Model	D1	D2	D3	L1	L2	L3	N	A	stock		order Number
									R	L	
HSK63A-SRV04-150	4	12	53	150	67	/	/	5°	●	●	
HSK63A-SRV04-180	4	12	53	180	67	/	/	5°	○	●	
HSK63A-SRV04-210	4	12	53	210	67	/	/	5°	○	●	
HSK63A-SRV06-150	6	14	53	150	67	/	/	5°	●	●	
HSK63A-SRV06-180	6	14	53	180	67	/	/	5°	○	●	
HSK63A-SRV06-210	6	14	53	210	67	/	/	5°	○	●	
HSK63A-SRV08-150	8	16	53	150	67	45	18	5°	●	●	
HSK63A-SRV08-180	8	16	53	180	67	45	18	5°	○	●	
HSK63A-SRV08-210	8	16	53	210	67	45	18	5°	○	●	
HSK63A-SRV10-150	10	18	53	150	67	52	20	5°	●	●	
HSK63A-SRV10-180	10	18	53	180	67	52	20	5°	○	●	
HSK63A-SRV10-210	10	18	53	210	67	52	20	5°	○	●	
HSK63A-SRV12-150	12	20	53	150	67	60	28	5°	●	●	
HSK63A-SRV12-180	12	20	53	180	67	60	28	5°	○	●	
HSK63A-SRV12-210	12	20	53	210	67	60	28	5°	○	●	

铣削
刀柄
系统

SK
高速
高精

HM
液压

SR
烧结
刀柄

ADS
后拉
刀柄

强力
刀柄

ER
刀柄

OZ
刀柄

攻牙
刀柄

钻
夹头
刀柄

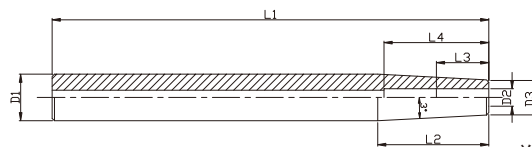
平面
铣
刀柄

莫氏
刀柄

侧固
刀柄

油路
刀柄

SW12/16/20/25-SRS钨钢抗震热胀延长杆(薄壁型)
SW12/16/20/25-SRS Aseismatic Shrink Fit Carbide Rod



单位: mm

SW12-SRS

型号 Model	D1	D2	D3	L1	L2	L3	L4	stock		order Number
								R	L	
SW12-SRS04-150TRE	12	4	10	150	19	12	35	○	●	
SW12-SRS04-200TRE	12	4	10	200	19	12	35	○	●	
SW12-SRS04-250TR	12	4	10	250	19	12	35	○	●	

SW16-SRS

型号 Model	D1	D2	D3	L1	L2	L3	L4	stock		order Number
								R	L	
SW16-SRS04-150TRE	16	4	10	150	57	12	47	○	●	
SW16-SRS04-200TRE	16	4	10	200	57	12	47	○	●	
SW16-SRS04-250TRE	16	4	10	250	57	12	47	○	●	
SW16-SRS04-300TRE	16	4	10	300	57	12	47	○	●	
SW16-SRS06-150TRE	16	6	12	150	38	18	35	○	●	
SW16-SRS06-200TRE	16	6	12	200	38	18	35	○	●	
SW16-SRS06-250TRE	16	6	12	250	38	18	35	○	●	
SW16-SRS06-300TRE	16	6	12	300	38	18	35	○	●	
SW16-SRS08-150TRE	16	8	14	150	19	24	40	○	●	
SW16-SRS08-200TRE	16	8	14	200	19	24	40	○	●	
SW16-SRS08-250TRE	16	8	14	250	19	24	40	○	●	
SW16-SRS08-300TRE	16	8	14	300	19	24	40	○	●	

SW20-SRS

型号 Model	D1	D2	D3	L1	L2	L3	L4	stock		order Number
								R	L	
SW20-SRS08-150TRE	20	8	14	150	57	24	45	○	●	
SW20-SRS08-200TRE	20	8	14	200	57	24	45	○	●	
SW20-SRS08-250TRE	20	8	14	250	57	24	45	○	●	
SW20-SRS08-300TRE	20	8	14	300	57	24	45	○	●	
SW20-SRS10-150TRE	20	10	16	150	38	30	45	○	●	
SW20-SRS10-200TRE	20	10	16	200	38	30	45	○	●	
SW20-SRS10-250TRE	20	10	16	250	38	30	45	○	●	
SW20-SRS10-300TRE	20	10	16	300	38	30	45	○	●	
SW20-SRS12-150TRE	20	12	18	150	19	32	50	○	●	
SW20-SRS12-200TRE	20	12	18	200	19	32	50	○	●	
SW20-SRS12-250TRE	20	12	18	250	19	32	50	○	●	
SW20-SRS12-300TRE	20	12	18	300	19	32	50	○	●	

SW25-SRS

型号 Model	D1	D2	D3	L1	L2	L3	L4	stock		order Number
								R	L	
SW25-SRS12-150TRE	25	12	18	150	67	32	54	○	●	
SW25-SRS12-200TRE	25	12	18	200	67	32	54	○	●	
SW25-SRS12-250TRE	25	12	18	250	67	32	54	○	●	
SW25-SRS12-300TRE	25	12	18	300	67	32	54	○	●	

ST12-SRS 热胀延长杆(薄壁型)
ST12-SRS Shrink Fit Extension

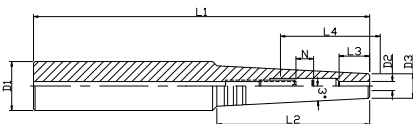


Fig1

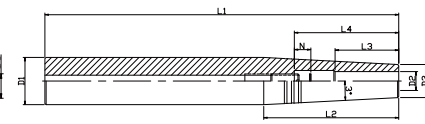
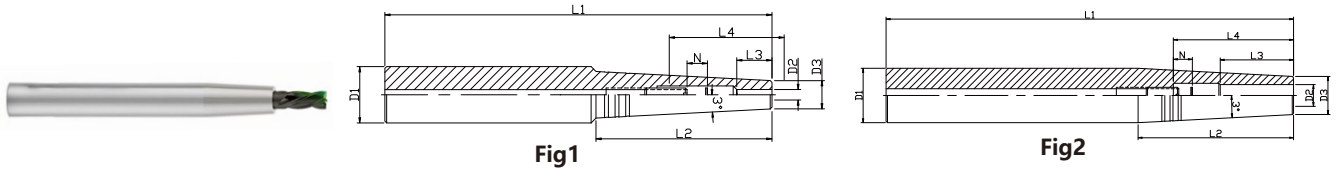


Fig2

单位: mm

型号 Model	D1	D2	D3	L1	L2	L3	L4	N	Fig	stock		order Number
										R	L	
ST12-SRS03-110TE	12	3	8	110	38	9	/	/	FIG2	●	●	
ST12-SRS03-150TE	12	3	8	150	38	9	/	/	FIG2	●	●	
ST12-SRS3.175-110TE	12	3.175	8	110	38	10	/	/	FIG2	●	●	
ST12-SRS3.175-150TE	12	3.175	8	150	38	10	/	/	FIG2	●	●	
ST12-SRS04-110TE	12	4	8	110	38	12	/	/	FIG2	●	●	
ST12-SRS04-150TE	12	4	8	150	38	12	/	/	FIG2	●	●	

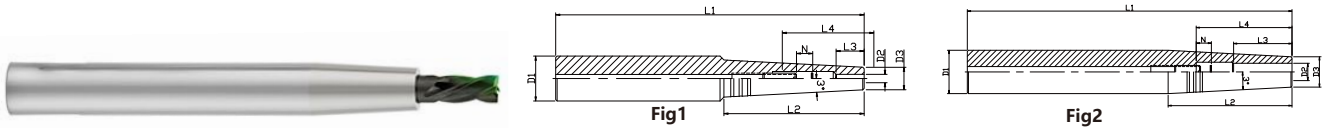
ST16-SRS 热胀延长杆 (薄壁型) ST16-SRS Shrink Fit Extension



单位: mm

型号 Model	D1	D2	D3	L1	L2	L3	L4	N	Fig	stock		order Number
										R	L	
ST16-SRS03-110TE	16	3	8	110	50	9	/	/	FIG1	●	●	
ST16-SRS03-150TE	16	3	8	150	76	9	/	/	FIG2	●	●	
ST16-SRS03-200TE	16	3	8	200	76	9	/	/	FIG2	●	●	
ST16-SRS3.175-110TE	16	3.175	8	110	50	10	/	/	FIG1	●	●	
ST16-SRS3.175-150TE	16	3.175	8	150	76	10	/	/	FIG2	●	●	
ST16-SRS3.175-200TE	16	3.175	8	200	76	10	/	/	FIG2	●	●	
ST16-SRS04-110TE	16	4	10	110	57	12	/	/	FIG2	●	●	
ST16-SRS04-150TE	16	4	10	150	57	12	/	/	FIG2	●	●	
ST16-SRS04-200TE	16	4	10	200	57	12	/	/	FIG2	●	●	
ST16-SRS06-110TE	16	6	12	110	38	18	/	/	FIG2	●	●	
ST16-SRS06-150TE	16	6	12	150	38	18	/	/	FIG2	●	●	
ST16-SRS06-200TE	16	6	12	200	38	18	/	/	FIG2	●	●	
ST16-SRS08-110TE	16	8	14	110	19	24	/	/	FIG2	●	●	
ST16-SRS08-150TE	16	8	14	150	19	24	/	/	FIG2	●	●	
ST16-SRS08-200TE	16	8	14	200	19	24	/	/	FIG2	●	●	

ST20-SRS 热胀延长杆 (薄壁型) ST20-SRS Shrink Fit Extension



单位: mm

型号 Model	D1	D2	D3	L1	L2	L3	L4	N	Fig	stock		order Number
										R	L	
ST20-SRS03-110TE	20	3	8	110	50	9	/	/	FIG1	●	●	
ST20-SRS03-150TE	20	3	8	150	90	9	/	/	FIG1	●	●	
ST20-SRS03-200TE	20	3	8	200	114	9	/	/	FIG2	●	●	
ST20-SRS03-250TE	20	3	8	250	114	9	/	/	FIG2	●	●	
ST20-SRS3.175-110TE	20	3.175	8	110	50	10	/	/	FIG1	●	●	
ST20-SRS3.175-150TE	20	3.175	8	150	90	10	/	/	FIG1	●	●	
ST20-SRS3.175-200TE	20	3.175	8	200	114	10	/	/	FIG2	●	●	
ST20-SRS3.175-250TE	20	3.175	8	250	114	10	/	/	FIG2	●	●	
ST20-SRS04-110TE	20	4	10	110	50	12	/	/	FIG1	●	●	
ST20-SRS04-150TE	20	4	10	150	95	12	/	/	FIG2	●	●	
ST20-SRS04-200TE	20	4	10	200	95	12	/	/	FIG2	●	●	
ST20-SRS04-250TE	20	4	10	250	95	12	/	//	FIG2	●	●	
ST20-SRS06-110TE	20	6	12	110	50	18	/	/	FIG1	●	●	
ST20-SRS06-150TE	20	6	12	150	76	18	/	/	FIG2	●	●	
ST20-SRS06-200TE	20	6	12	200	76	18	/	/	FIG2	●	●	
ST20-SRS06-250TE	20	6	12	250	76	18	/	/	FIG2	●	●	
ST20-SRS08-110TE	20	8	14	110	57	24	45	18	FIG2	●	●	
ST20-SRS08-150TE	20	8	14	150	57	24	45	18	FIG2	●	●	
ST20-SRS08-200TE	20	8	14	200	57	24	45	18	FIG2	●	●	
ST20-SRS08-250TE	20	8	14	250	57	24	45	18	FIG2	●	●	
ST20-SRS10-110TE	20	10	16	110	38	30	52	20	FIG2	●	●	
ST20-SRS10-150TE	20	10	16	150	38	30	52	20	FIG2	●	●	
ST20-SRS10-200TE	20	10	16	200	38	30	52	20	FIG2	●	●	
ST20-SRS10-250TE	20	10	16	250	38	30	52	20	FIG2	●	●	
ST20-SRS12-110TE	20	12	18	110	19	32	60	28	FIG3	●	●	
ST20-SRS12-150TE	20	12	18	150	19	32	60	28	FIG3	●	●	
ST20-SRS12-200TE	20	12	18	200	19	32	60	28	FIG3	●	●	
ST20-SRS12-250TE	20	12	18	250	19	32	60	28	FIG3	●	●	

铣削
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OZ
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攻牙
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夹头
刀柄

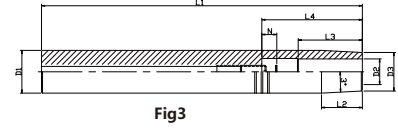
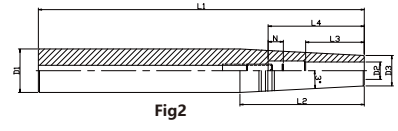
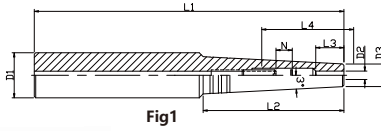
平面
铣
刀柄

莫氏
刀柄

侧固
刀柄

油路
刀柄

ST16-SRS 热胀延长杆 (薄壁型) ST16-SRS Shrink Fit Extension



单位: mm

型号 Model	D1	D2	D3	L1	L2	L3	L4	N	Fig	stock		order Number
										R	L	
ST25-SRS06-110TE	25	6	12	110	50	18	/	/	FIG1	●	●	
ST25-SRS06-150TE	25	6	12	150	90	18	/	/	FIG1	●	●	
ST25-SRS06-200TE	25	6	12	200	124	18	/	/	FIG2	●	●	
ST25-SRS06-250TE	25	6	12	250	124	18	/	/	FIG2	●	●	
ST25-SRS08-110TE	25	8	14	110	50	24	45	18	FIG1	●	●	
ST25-SRS08-150TE	25	8	14	150	90	24	45	18	FIG1	●	●	
ST25-SRS08-200TE	25	8	14	200	105	24	45	18	FIG2	●	●	
ST25-SRS08-250TE	25	8	14	250	105	24	45	18	FIG2	●	●	
ST25-SRS10-110TE	25	10	16	110	50	30	52	20	FIG1	●	●	
ST25-SRS10-150TE	25	10	16	150	85	30	52	20	FIG2	●	●	
ST25-SRS10-200TE	25	10	16	200	85	30	52	20	FIG2	●	●	
ST25-SRS10-250TE	25	10	16	250	85	30	52	20	FIG2	●	●	
ST25-SRS12-110TE	25	12	18	110	50	32	60	28	FIG1	●	●	
ST25-SRS12-150TE	25	12	18	150	67	32	60	28	FIG2	●	●	
ST25-SRS12-200TE	25	12	18	200	67	32	60	28	FIG2	●	●	
ST25-SRS12-250TE	25	12	18	250	67	32	60	28	FIG2	●	●	

薄壁型热胀机 Shrink Fit Heating Machine



H2800

单位: mm

型号 Model	加热能力 Heatingrang	尺寸 Size	刀柄最大外径 Maximum diameter	电源 Supply	电流 Current	重量 Weight	stock		order Number
							R	L	
H2800	3-12mm	480x435x870mm	20mm	AC220	12.5A	22KG	●	●	

选配件 Options:

类型 TYPE	型号 MODEL	D
刀具卡簧 Clamp Spring	HSB-D	3/4/5/6/8/10/12
装刀钳 Cutter tongs	HEM-LH6	
卡簧钳 Circlip Pliers	HEM-KH6	
隔热手套 Oven Glove	HEM-GT	
转换套 Conversion Sleeve	HEM-BT15 HEM-BT30 HEM-BT50-HSK100 HEM-HSK32-HSK25 HEM-HSK50-HSK40 HEM-HSK63-BT40 HEM-ISO10 HEM-ISO25-ISO20 HEM-YCG HEM-XKP	

特点: Features:

- 机身轻便, 占地空间小;
- AC 220V电压;
- 操作简便, 性价比高;
- 可烧结柄径为 $\phi 3-\phi 12$
- Easy to operate, highly cost-effective;
- AC 220V voltage;
- The body is light and covers a small space;
- Sinterable shank diameter $\phi 3-\phi 12$

热胀机

Shrink Fit Heating Machine

H2800A



特点: Features:

- 操作简便, 性价比高;
- AC 220V~240V电压;
- 机身轻便, 占地空间小;
- 可烧结柄径为 $\phi 3-\phi 20$
- Easy to operate, highly cost-effective;
- AC 220V~240V voltage;
- The body is light and covers a small space;
- Sinterable shank diameter $\phi 3-\phi 20$ twelve

全自动智能水冷热胀机

Shrink Fit Heating Machine



特点: Features:

- 全自动智能加热水冷一体设计;
- 合金钢材、不锈钢材一机通烧;
- 精准加热千次不发黑, 有效减少积碳, 保证夹持精度延长刀柄使用寿命;
- 机头自带冷却模块, 可二十四小时连续工作;
- 2秒加热, 15秒冷却;
- 操作更安全、更智能。
- Integrated Design of automatic intelligent heating and water cooling
- Alloy steel and stainless steel are burned in one machine.
- Accurate heating 1000 times without blackening, effectively reduce carbon deposition, ensure clamping accuracy to extend the service life of the tool holder.
- The head comes with its own cooling module, which can work continuously for twenty-four 24 hours
- Two seconds to heat, 15 seconds to cool.
- Safer and more intelligent operation.

单位: mm

型号 Model	加热能力 Heating range	尺寸 Size	刀柄最大外径 Maximum diameter	电源 Supply	电流 Current	重量 Weight	stock		order Number
							R	L	
H2800	3-12mm	480x435x870mm	42mm	AC220	12.5A	22KG	●	●	

选配件 Options:

类型 TYPE	型号 MODEL	说明 ACCOUNT FOR
刀具卡簧 Clamp Spring	HSB-D 3/4/5/6/8/10/12	$\phi 3-\phi 20$ 铣刀尺寸
装刀钳 Cutter tongs	HEM-LH6	
卡簧钳 Circlip Pliers	HEM-KH6	
隔热手套 Oven Glove	HEM-GT	
转换套 Conversion Sleeve	HEM-BT30 HEM-BT50-HSK100 HEM-HSK32-ISO10 HEM-HSK50-HSK40 HEM-HSK63-BT40 HEM-ISO25-ISO20 HEM-YCG HEM-XKP	

铣削
刀柄
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SK
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强力
刀柄

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攻牙
刀柄

钻
夹头
刀柄

平面
铣
刀柄

莫氏
刀柄

侧固
刀柄

油路
刀柄

单位: mm

型号 Model	加热能力 Heating range	尺寸 Size	电源 Supply	电流 Current	重量 Weight	stock		order Number
						R	L	
FAX-15	3-20mm	950x710x930mm	AC220	12.5A	22KG	●	●	

选配件 Options:

类型 TYPE	型号 MODEL	说明 ACCOUNT FOR
装刀钳 Cutter tongs	HEM-LH6 标配	
隔热手套 Oven Glove	HEM-GT 标配	
转换套 Conversion Sleeve	FAX-BT50 标配 FAX-BT40/BT30选配 FAX-HSK100/HSK63/HSK50/HSK40选配	
定位环 Locating Ring	SR3-5.9 标配 SR6-12 标配 SR12.1-22 标配 SR22.1-32 选配	
刀长限位器 Position Limiter	DCXW3-6 标配 DCXW6.1-12 标配	适用于厚壁型、强力型

BT-ADS 后拉式刀柄 BT-ADS COLLET CHUCK

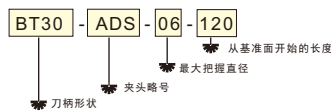


铣削
刀柄
系统

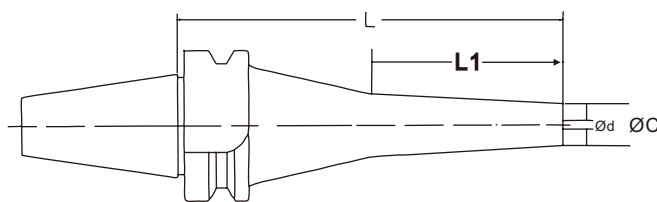
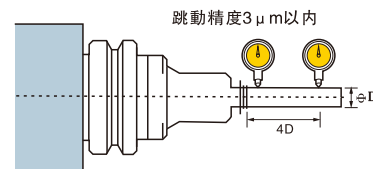
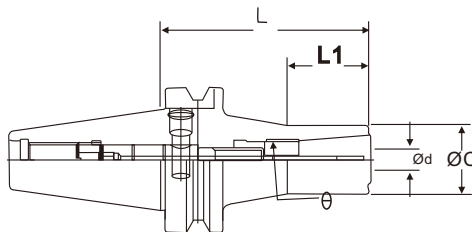
- ◆ 侧面锁紧, 免卸拉钉, 方便实用
- ◆ Side of the lock, to avoid dumping pull nails, convenient and practical



型号说明 Model explanation



G2.5 MAX.30,000min⁻¹
 ◆ 跳动精度 0.003mm
 ◆ beating accuracy 0.003mm



SK
高速
高精

HM
液压

SR
烧结
刀柄

ADS
后拉
刀柄

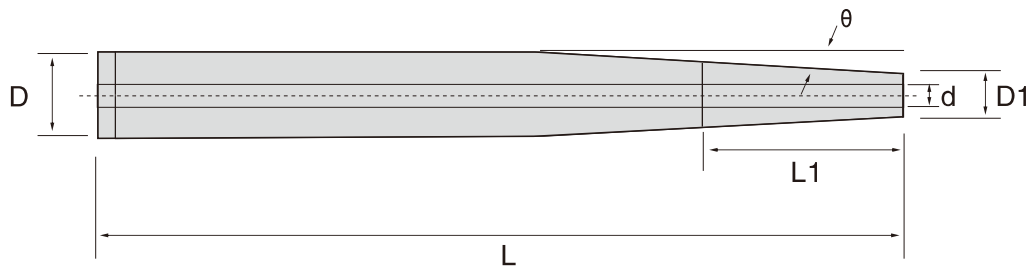
订购编号 Order No.	型号 Cat No.	d	L	C	L1	筒夹 Collet	扳手 Spsmmr 标配品	θ	重量 Weight (KG)	单价 PRICE (RMB)
301900	BT30-ADS06-60	2.0-6.0	60	13	-	ADS06	T4	6°	0.45	900
301902	-ADS06-90		90		-				0.55	950
301904	-ADS06-120		120		-				0.7	1000
301906	-ADS10-90	3.0-10.0	90	22	36	ADS10	T4	6°	0.6	1000
301908	-ADS10-105		105		35				0.7	1200
301910	-ADS12-80		80		35				0.8	1000
301912	-ADS20-80	3.0-20.0	80	-	35	ADS20	T6	6°	0.8	1100
301914	-ADS20-100		100		50				1.2	1300
301916	BT40-ADS06-90		90		-				1.2	1200
301918	-ADS06-120	2.0-6.0	120	13	-	ADS06	T4	6°	1.5	1400
301920	-ADS06-150		150		-				1.9	1600
301922	-ADS08-90		90		-				1.2	1200
301924	-ADS08-120	2.0-8.0	120	13	-	ADS08	T4	6°	1.5	1400
301926	-ADS10-85		85		35				1.3	1200
301928	-ADS10-120		120		40				1.6	1400
301930	-ADS12-70	3.0-12.0	70	30	35	ADS12	T4	6°	1.2	1200
301932	-ADS12-90		90		40				1.6	1300
301934	-ADS12-120		120		50				1.9	1400
301936	-ADS16-95	3.0-16.0	95	-	35	ADS16	T5	6°	1.7	1250
301938	-ADS16-125		125		40				2.0	1500
301940	-ADS20-80		80		35				1.9	1300
301942	-ADS20-100	3.0-20.0	100	-	40	ADS20	T6	6°	2.2	1600
301944	BT50-ADS08-95		95		-				4.1	2200
301946	-ADS08-110		110		13				4.5	2700
301948	-ADS10-105	3.0-10.0	105	22	35	ADS10	T4	6°	4.1	2200
301950	-ADS10-135		135		40				4.4	2700
301952	-ADS10-165		165		50				4.8	2900
301954	-ADS12-105	3.0-12.0	105	30	35	ADS12	T4	6°	4.2	2200
301956	-ADS12-135		135		40				4.5	2700
301958	-ADS12-165		165		50				4.9	2900
301960	-ADS16-100	3.0-16.0	100	-	35	ADS16	T5	6°	4.3	2200
301962	-ADS16-125		125		40				4.6	2700
301964	-ADS20-80		80		35				4.5	2200
301966	-ADS20-100	3.0-20.0	100	-	40	ADS20	T6	6°	4.9	2700

侧固
刀柄

油路
刀柄

后拉式延长杆

EXTENSION ROD AFTER PULL



订购编号 Order No.	型号 Cat. No	d	L	L1	D	D1	θ	筒夹 Collet	扳手 Spsmmer 标配品	单价 PRICE (RMB)
302100	C08-CS04-100	2-4	100	36	8	8.0	6°	CS04	T4	2100
302102	C10-CE04-100	2-4	100	36	10	10.0	6°	CE04	T4	2200
302104	150	2-4	150	36	10	10.0				2500
302106	150S	2-4	150	36	10	8.2				2500
302108	C12-CE04-150S	2-4	150	36	12	9.7				3000
302110	C12-ADS06-100	2-6	100	36	12	12.0	6°	ADS06	T4	2600
302112	150	2-6	150	36	12	12.0				2800
302114	150L	2-6	150	36	12	12.0				2800
302116	C16-ADS06-150S	2-6	150	50	16	12.4				4000
302118	150L	2-6	150	50	16	12.4				4000
302120	200S	2-6	200	50	16	12.4				4600
302122	200L	2-6	200	50	16	12.4	4600			
302124	C20-ADS10-150	3-10	150	50	20	20.0	6°	ADS10	T4	5600
302126	200	3-10	200	50	20	20.0				6600

铣削
刀柄
系统

SK
高速
高精

HM
液压

SR
烧结
刀柄

ADS
后拉
刀柄

强力
刀柄

ER
刀柄

OZ
刀柄

攻牙
刀柄

钻
夹头
刀柄

平面
铣
刀柄

莫氏
刀柄

侧固
刀柄

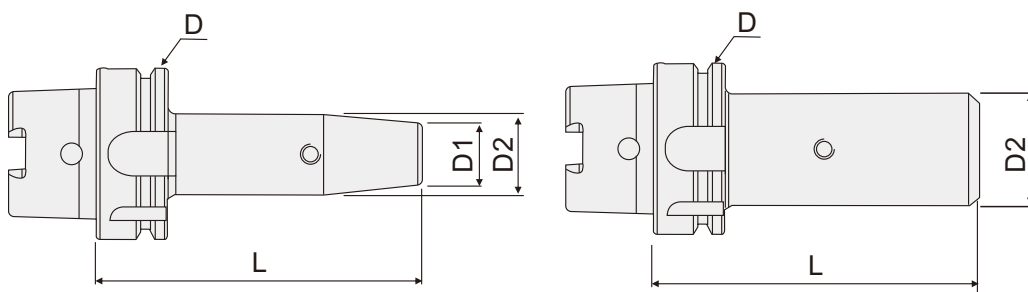
油路
刀柄

HSK-ADS后拉式刀柄 HSK-ADS COLLET CHUCK



特点:

- 后拉式刀把采用后拉式筒夹夹持，适用于高速精密之加工。
- 刀具置入筒夹内孔，必须超出筒夹内孔有效夹持长度，避免不当锁固，造成损坏。
- 搭配HSK两面拘束，可增加侧向加工的稳定性的。



订购编号 Order No.	型号 Cat. No	L	ØD	ØD1	ØD2	FIG.图	价格 Price
302200	HSK50A-ADS06-105	105	50	23	30	1	2050
302202	HSK50A-ADS06-120	120	50	23	30	1	2080
302204	HSK50A-ADS12-120	120	50	-	34	2	2110
302206	HSK50A-ADS12-120	130	50	-	34	2	2150
302208	HSK50A-ADS20-130	130	50	-	42	2	2180
302210	HSK50A-ADS20-150	150	50	-	42	2	2210
302212	HSK63A-ADS06-110	110	63	23	30	1	2050
302214	HSK63A-ADS06-120	120	63	23	30	1	2080
302216	HSK63A-ADS12-120	120	63	-	42	2	2110
302218	HSK63A-ADS12-150	150	63	-	42	2	2150
302220	HSK63A-ADS20-130	130	63	-	42	2	2180
302222	HSK63A-ADS20-140	140	63	-	42	2	2210

铣削
刀柄
系统

SK
高速
高精

HM
液压

SR
烧结
刀柄

ADS
后拉
刀柄

强力
刀柄

ER
刀柄

OZ
刀柄

攻牙
刀柄

钻
夹头
刀柄

平面
铣
刀柄

莫氏
刀柄

侧固
刀柄

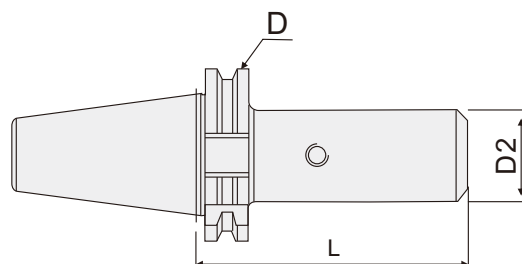
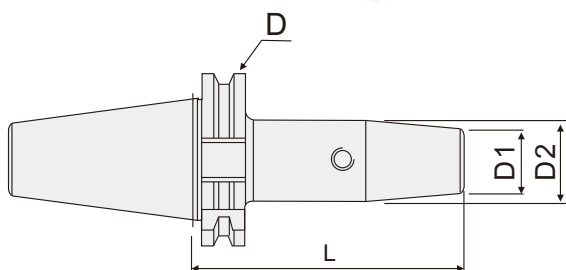
油路
刀柄

SK-ADS后拉式刀柄 SK-ADS COLLET CHUCK



特点:

- 后拉式刀把采用后拉式筒夹夹持，适用于高速精密之加工。
- 刀具置入筒夹内孔，必须超出筒夹内孔有效夹持长度，避免不当锁固，造成损坏。



订购编号 Order No.	型号 Cat. No	L	ØD	ØD1	ØD2	FIG.图	价格 Price
302300	SK30-ADS06-70	70	50	23	30	1	1860
302302	SK30-ADS06-100	100	50	23	30	1	2050
302304	SK30-ADS12-80	80	50	-	34	2	1760
302306	SK30-ADS12-100	100	50	-	34	2	1910
302308	SK30-ADS20-80	80	50	-	42	2	1780
302310	SK30-ADS20-100	100	50	-	42	2	1930
302312	SK40-ADS06-70	70	63.55	23	30	1	2060
302314	SK40-ADS06-100	100	63.55	23	30	1	2260
302316	SK40-ADS12-80	80	63.55	-	34	2	1950
302318	SK40-ADS12-100	100	63.55	-	34	2	2110
302320	SK40-ADS20-80	80	63.55	-	42	2	1980
302322	SK40-ADS20-100	100	63.55	-	42	2	2150
302324	SK50-ADS06-70	70	97.5	23	30	1	3810
302326	SK50-ADS06-100	100	97.5	23	30	1	4210
302328	SK50-ADS12-70	70	97.5	-	34	2	3660
302330	SK50-ADS12-100	100	97.5	-	34	2	4030
302332	SK50-ADS20-80	80	97.5	-	42	2	3710
302334	SK50-ADS20-100	100	97.5	-	42	2	4100

铣削
刀柄
系统

SK
高速
高精

HM
液压

SR
烧结
刀柄

ADS
后拉
刀柄

强力
刀柄

ER
刀柄

OZ
刀柄

攻牙
刀柄

钻
夹头
刀柄

平面
铣
刀柄

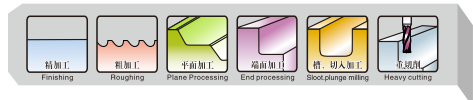
莫氏
刀柄

侧固
刀柄

油路
刀柄

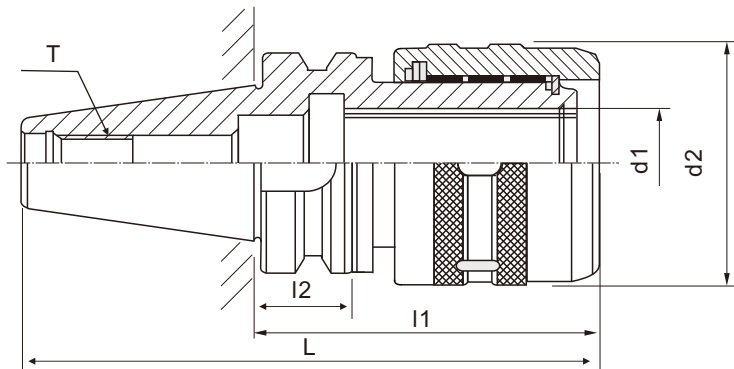
BT-C强力型刀柄

BT-C MULTI-LOCK MILL CHUCK



特点:

- 开槽: 刀杆内孔开槽(分割6槽), 以防止滑动, 并加大夹持力。
- 滚针轴承: 采用两线装置, 确保滑动至锥锥面时滚动摩擦及脱落减至最小。
- 防水及防尘, 夹紧后端面接触。
- 此设计结构不会过分紧固而损伤夹头。
- 密封式结构, 以消除污垢和碎片损害夹头。
- 动平衡可以达到G6.3, 8000RPM。
- 平衡等级和转速可以根据客户的要求, 但需另行报价。



铣削
刀柄
系统

SK
高速
高精

HM
液压

SR
烧结
刀柄

ADS
后拉
刀柄

强力
刀柄

ER
刀柄

OZ
刀柄

攻牙
刀柄

钻
夹头
刀柄

平面
铣
刀柄

莫氏
刀柄

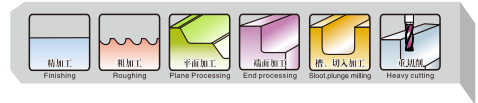
侧固
刀柄

油路
刀柄

订购编号 Order No.	型号 Model	L	l1	l2	d1	d2	T	价格 Price
302400	BT30-C20-80	128.4	80	20	20	55	M12x1.75	1200
302402	BT40-C20-80	145.4	80	25	32	68.5	M16x2.0	1200
302404	BT40-C20-100	165.4	100	25	32	68.5		1200
302406	BT40-C20-135	200.4	135	25	32	68.5		1500
302408	BT40-C20-80	145.4	80	25	32	68.5		1200
302410	BT40-C25-100	165.4	100	25	32	68.5		1200
302412	BT40-C32-90	155.4	90	25	32	68.5		1200
302414	BT40-C32-105	170.4	105	25	32	68.5		1200
302416	BT40-C32-135	200.4	135	25	32	68.5		1500
302418	BT50-C32-110	211.8	110	35	32	68.5		1875
302420	BT50-C32-135	236.8	135	35	32	68.5		2175
302422	BT50-C32-165	266.8	165	35	32	68.5	M24x3.0	2625
302424	BT50-C32-200	301.8	200	35	32	68.5		3750
302426	BT50-C42-110	211.8	110	35	42	92		2250

DAT-C强力型刀柄

DAT-C MULTI-LOCK MILL CHUCK

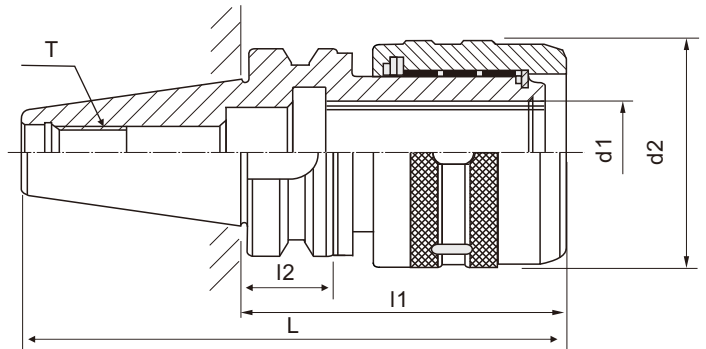
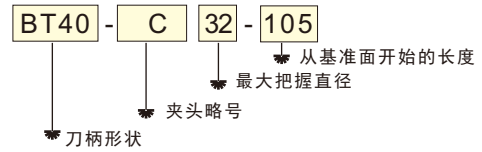


特点:

- 高精度的工作流程，即使使用加长型钻头，同心度仍然在0.015mm。
- 适用于扁尾型莫氏锥柄钻头。



型号说明 Model explanation



铣削
刀柄
系统

SK
高速
高精

HM
液压

SR
烧结
刀柄

ADS
后拉
刀柄

强力
刀柄

ER
刀柄

OZ
刀柄

攻牙
刀柄

钻
夹头
刀柄

平面
铣
刀柄

莫氏
刀柄

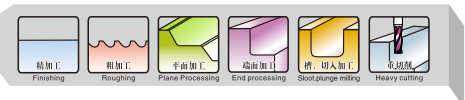
侧固
刀柄

油路
刀柄

订购编号 Order No.	型号 Model	L	l1	l2	d1	d2	T	价格 Price
302500	DAT30-C20-80	127.8	80	19.1	20	55	M12x1.75	3188
302502	DAT40-C20-80	148.4	80	19.1	32	68.5	M16x2.0	3269
302504	DAT40-C20-100	168.4	100	19.1	32	68.5		
302506	DAT40-C20-135	203.4	135	19.1	32	68.5		
302508	DAT40-C25-80	148.4	80	19.1	32	68.5		
302510	DAT40-C25-100	168.4	100	19.1	32	68.5		
302512	DAT40-C32-90	158.4	90	19.1	32	68.5		
302514	DAT40-C32-105	173.4	105	19.1	32	68.5		
302516	DAT40-C32-135	203.4	135	19.1	32	68.5		
302518	DAT50-C32-110	211.75	110	19.1	32	68.5		
302520	DAT50-C32-135	236.75	135	19.1	32	68.5		
302522	DAT50-C32-165	266.75	165	19.1	32	68.5	M24x3.0	
302524	DAT50-C32-200	301.75	200	19.1	32	68.5		
302526	DAT50-C42-110	211.75	110	19.1	42	92		
								5238

BT-MLT强力型刀柄

BT-MLT MULTI-LOCK MILL CHUCK



铣削刀柄系统

SK 高速高精

HM 液压

SR 烧结刀柄

ADS 后拉刀柄

强力刀柄

ER 刀柄

OZ 刀柄

攻牙刀柄

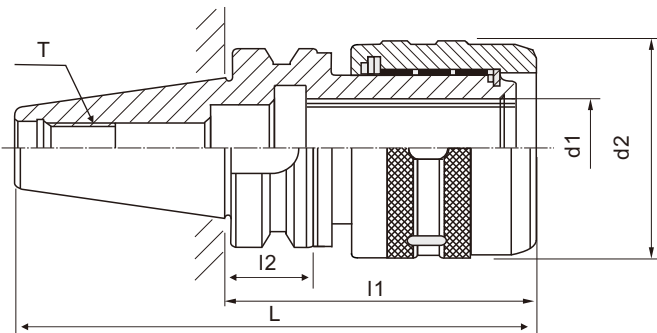
钻夹头刀柄

平面铣刀柄

莫氏刀柄

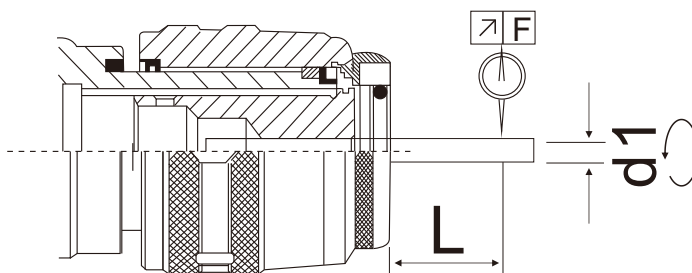
侧固刀柄

油路刀柄



特点:

- 防水及防尘，夹紧后端面接触。
- 此设计结构不会过分紧固而损伤夹头。
- 密封式结构，以消除污垢和碎片损害夹头。
- 动平衡可以达到G6.3, 8000RPM。
- 平衡等级和转速可以根据客户的要求，但需另行报价。



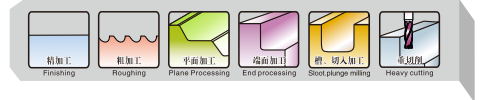
d1 END MILL DIAMETER	6	8	10	12	16	20	25	32	42
L END MILL LENGTH	25	30	30	40	40	50	50	60	60
F CONCENTRICITY	0.02								

L	MLT20	60
	MLT32	80
	MLT40	100
F CONCENTRICITY		0.001-0.005

订购编号 Order No.	型号 Model	L	l1	d1	d2	重量 WG	价格 Price
302600	BT30-MLT20-75	123.4	75	20	55	1.8kg	2244
302602	BT30-MLT20-90	138.4	90			2.0kg	2294
302604	BT40-MLT20-80	145.4	80			2.3kg	2769
302606	BT40-MLT20-100	165.4	100	20	55	2.5kg	2844
302608	BT40-MLT20-135	200.4	135			2.7kg	3056
302610	BT40-MLT32-90	155.4	90			2.7kg	3050
302612	BT40-MLT32-105	170.4	105	32	73	3.0kg	3131
302614	BT40-MLT32-135	200.4	135			3.0kg	3338
302616	BT50-MLT20-105	206.4	105			4.5kg	4038
302618	BT50-MLT20-150	251.8	150	20	55	4.9kg	4556
302620	BT50-MLT32-110	211.8	110			5.2kg	4331
302622	BT50-MLT32-135	236.8	135			5.9kg	4594
302624	BT50-MLT32-165	266.8	165	32	73	6.6kg	4956
302626	BT50-MLT42-110	211.8	110			6.0kg	4756
302628	BT50-MLT42-130	231.8	130			6.5kg	5000
302630	BT50-MLT42-165	266.8	165	42	95	7.4kg	5425

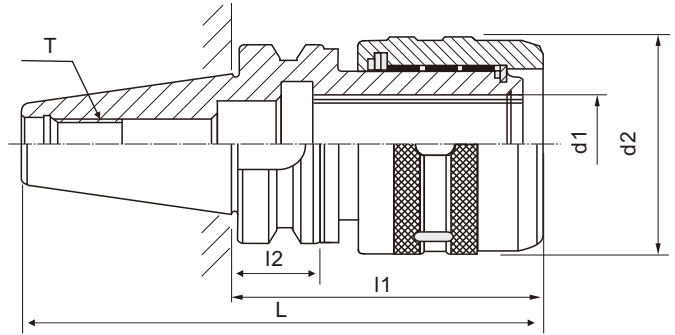
DAT-MLT强力型刀柄

DAT-MLT MULTI-LOCK MILL CHUCK



特点:

- 防水及防尘，夹紧后端面接触
- 此设计结构不会过分紧固而损伤夹头
- 密封式结构，以消除污垢和碎片损害夹头
- 动平衡可以达到G6.3, 8000RPM。
- 平衡等级和转速可以根据客户的要求，但需另行报价。



d1 END MILL DIAMETER	6	8	10	12	16	20	25	32	42
L END MILL LENGTH	25	30	30	40	40	50	50	60	60
F CONCENTRICITY	0.02								

L	MLT20	60
	MLT32	80
	MLT40	100
F CONCENTRICITY	0.001~0.005	

订购编号 Order No.	型号 Model	L	l1	d1	d2	重量 WG	价格 Price
302700	DAT30-MLT20-85	132.8	85	20	55	1.9kg	2150
302702	DAT30-MLT20-100	147.8	100			2.1kg	2188
302704	DAT40-MLT20-85	153.4	85			2.4kg	2413
302706	DAT40-MLT20-100	168.4	100			2.5kg	2519
302708	DAT40-MLT20-135	203.4	135	32	73	2.8kg	2663
302710	DAT40-MLT32-105	173.4	105			2.7kg	2806
302712	DAT40-MLT32-135	203.4	135			3.0kg	2919
302714	DAT50-MLT20-105	206.75	105			4.5kg	3069
302716	DAT50-MLT20-150	251.75	150	20	55	4.9kg	3369
302718	DAT50-MLT32-105	206.75	105			5.1kg	3294
302720	DAT50-MLT32-135	236.75	135			5.9kg	3331
302722	DAT50-MLT40-110	211.75	110			6.0kg	3788

铣削
刀柄
系统

SK
高速
高精

HM
液压

SR
烧结
刀柄

ADS
后拉
刀柄

强力
刀柄

ER
刀柄

OZ
刀柄

攻牙
刀柄

钻
夹头
刀柄

平面
铣
刀柄

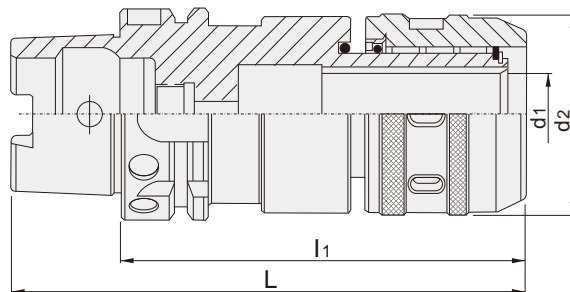
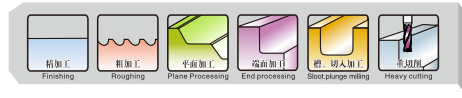
莫氏
刀柄

侧固
刀柄

油路
刀柄

HSK-MLT强力型刀柄

HSK-MLT MULTI-LOCK MILL CHUCK



特点:

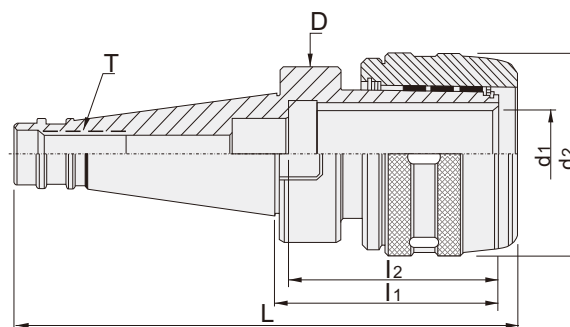
- 防水及防尘，夹紧后端面接触
- 此设计结构不会过分紧固而损伤夹头
- 密封式结构，以消除污垢和碎片损害夹头
- 刀具置入筒夹内孔，必须超出筒夹内孔有效夹持长度，避免不当锁固，造成损坏。
- 务必使用正确扳手来装置，不可任意改变，避免不当锁固，造成损坏。
- 动平衡可以达到G6.3, 8000RPM。
- 平衡等级和转速可以根据客户的要求，但需另行报价。

d1 END MILL DIAMETER	6	8	10	12	16	20	25	32	42	L	MLT20	60
L END MILL LENGTH	25	30	30	40	40	50	50	60	60		MLT32	80
F CONCENTRICITY	0.02										MLT40	100
											F CONCENTRICITY	0.001-0.005

订购编号 Order No.	型号 Model	L	l1	d1	d2	重量 WG	价格 Price
302800	HSK50A-MLT20-120	140	120	20	55	1.62kg	2388
302802	HSK63A-MLT20-90	122	90			1.52kg	2556
302804	HSK63A-MLT20-120	152	120			1.68kg	2663
302806	HSK63A-MLT32-105	137	105	32	73	1.60kg	2838
302808	HSK63A-MLT32-120	152	120			1.76kg	2931
302810	HSK63A-MLT32-150	182	150			1.92kg	3025
302812	HSK63A-MLT42-135	167	135			1.82kg	4919

NT-MLC强力型刀柄

NT-MLC MULTI-LOCK MILL CHUCK



特点:

- 固定器：采用高力黄铜固定器引导滚针轴承，使滑动更完美。
- 油脂：使用了特殊的液压油，不会凝固。

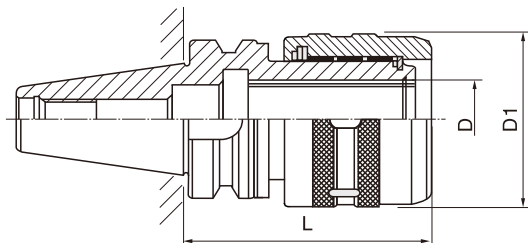
订购时，请确认拉杆螺丝规格为公制或英制。

单位：mm

订购编号 Order No.	型号 Model	L	l2	D	d1	d2	T	重量 WG	价格 Price
302900	NT30-MLC20-62.5	130.9	65	49	20	55	M12(M12*1.75P),A04(1/2"-12)	1.9kg	1781
302902	NT40-MLC20-62.5	155.9	70	63			M16(M16*2.0P),A06(5/8"-11)	2.3kg	2031
302904	R8-MLC20-62.5	163.5	85	55			7/16"-20	1.9kg	1806
302906	MTB4-MLC32-90	192.5	90	73	32	73	M16(M16*2.0P),A06(5/8"-11)	2.1kg	2381
302908	MTB5-MLC32-85	214.5	90	73			M24(M24*3.0P),A07(1"-8)	3.8kg	2506
302910	NT40-MLC32-79.6	173	90	63			M16(M16*2.0P),A06(5/8"-11)	2.6kg	2300
302912	NT50-MLC32-87.2	214	90	97.5			M24(M24*3.0P),A07(1"-8)	4.9kg	3413
302914	MTB4-MLC42-95	197.5	110	95	42	95	M16(M16*2.0P),A06(5/8"-11)	2.8kg	3481
302916	MTB5-MLC42-95	224.5	110	95			M24(M24*3.0P),A07(1"-8)	4.0kg	3888
302918	NT50-MLC42-86.2	213	110	97.5				5.8kg	3925

NT-MCST强力型刀柄

NT-MCST MILLING COLLETS CHUCK HOLDER



铣削
刀柄
系统

SK
高速
高精

HM
液压

SR
烧结
刀柄

ADS
后拉
刀柄

强力
刀柄

ER
刀柄

OZ
刀柄

攻牙
刀柄

钻
夹头
刀柄

平面
铣
刀柄

莫氏
刀柄

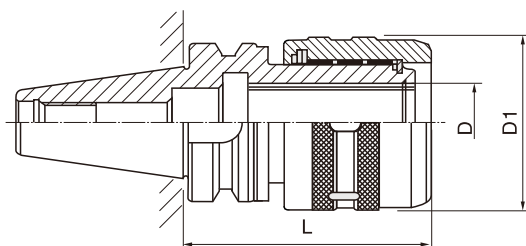
侧固
刀柄

油路
刀柄

订购编号 Order No.	型号 Model	D	D1	L	筒夹	拉杆螺纹	重量 N. W.	价格 Price
303100	NT30-MCST20-80	20	52	80	ST20	M12(M12*1.75P) A04(1/2"-12)	1.5kg	2988
303102	NT30-MCST25-85	25	58	85	ST25		1.5kg	2988
303104	NT40-MCST20-80	20	52	80	ST20	M16(M16*2.0P) A06(5/8"-11)	2.0kg	3031
303106	NT40-MCST25-85	25	58	85	ST25		2.0kg	3031
303108	NT40-MCST32-95	32	75	95	ST32		2.6kg	3219
303110	NT50-MCST32-100	32	75	100	ST32	M24(M24*3.0P) A07(1"-8)	4.5kg	3869
303112	NT50-MCST42-110	42	87	110	ST42		5.5kg	4694

BT-MCST强力型刀柄

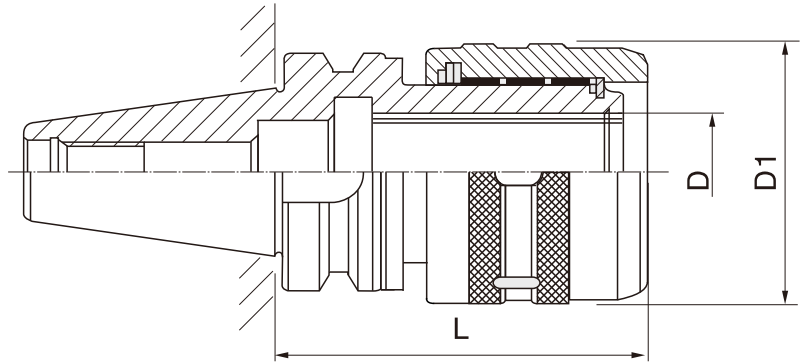
BT-MCST MILLING COLLETS CHUCK HOLDER



订购编号 Order No.	型号 Model	D	D1	L	筒夹	重量 N. W.	价格 Price
303200	BT30-MCST20-85	20	52	85	ST20	1.5kg	3056
303202	BT40-MCST20-80	20	52	80	ST20	2.0kg	3069
303204	BT40-MCST20-120	20	52	120	ST20	2.8kg	3288
303206	BT40-MCST25-90	25	58	90	ST25	2.2kg	3069
303208	BT40-MCST25-135	25	58	135	ST32	2.9kg	3288
303210	BT40-MCST32-105	32	75	105	ST32	3.0kg	3294
303212	BT40-MCST32-150	32	75	150	ST32	3.5kg	3706
303214	BT50-MCST32-110	32	75	110	ST32	5.2kg	4150
303216	BT50-MCST32-150	32	75	150	ST32	7.0kg	4600
303218	BT50-MCST42-115	42	87	115	ST42	7.0kg	5000
303220	BT50-MCST42-150	42	87	150	ST42	8.5kg	5238

DAT-MCST强力型刀柄

DAT-MCST MILLING COLLETS CHUCK HOLDER



铣削
刀柄
系统

SK
高速
高精

HM
液压

SR
烧结
刀柄

ADS
后拉
刀柄

强力
刀柄

ER
刀柄

OZ
刀柄

攻牙
刀柄

钻
夹头
刀柄

平面
铣
刀柄

莫氏
刀柄

侧固
刀柄

油路
刀柄

订购编号 Order No.	型号 Model	D	D1	L	筒夹	重量 N. W.	价格 Price
303300	DAT30-MCST20-95	20	52	90	ST20	1.5kg	3188
303302	DAT40-MCST20-80	20	52	80	ST20	2.0kg	3269
303304	DAT40-MCST25-90	25	58	90	ST25	2.0kg	3269
303306	DAT40-MCST32-100	32	75	100	ST32	2.7kg	3556
303308	DAT50-MCST32-105	32	75	105	ST32	4.5kg	4806
303310	DAT50-MCST42-110	42	87	110	ST42	5.7kg	5238

MCST 强力型刀柄套装 COLLETS CHUCK KIT

套装公制筒夹型号 Set metric collet model

ST20 6PCS	4, 6, 8, 10, 12, 16
ST25 7PCS	4, 6, 8, 10, 12, 16, 20
ST32 7PCS	6, 8, 10, 12, 16, 20, 25
ST42 8PCS	6, 8, 10, 12, 16, 20, 25, 32



订购编号 Order No.	型号 Model	筒夹 Collet	拉杆螺纹 Pull rod thread	重量 N. W.	价格 Price
303400	NT30-MCST20-80-6PCS	ST20 6PCS	M12(M12*1.75P) A04(1/2"-12)	4.0kg	4188
303402	NT30-MCST25-85-7PCS	ST25 7PCS		4.0kg	4388
303404	NT40-MCST20-80-6PCS	ST20 6PCS	M16(M16*2.0P) A06(5/8"-11)	4.5kg	4269
303406	NT40-MCST25-85-7PCS	ST25 7PCS		4.5kg	4469
303408	NT40-MCST32-95-7PCS	ST32 7PCS		7.0kg	5069
303410	NT50-MCST32-100-7PCS	ST32 7PCS	M24(M24*3.0P) A07(1"-8)	9.0kg	5719
303412	NT50-MCST42-110-8PCS	ST42 8PCS		12.0kg	8075
303414	BT30-MCST20-85-6PCS	ST20 6PCS		4.0kg	4256
303416	BT40-MCST20-80-6PCS	ST20 6PCS		4.5kg	4269
303418	BT40-MCST20-120-6PCS	ST20 6PCS		5.0kg	4481
303420	BT40-MCST25-90-7PCS	ST25 7PCS		4.7kg	4475
303422	BT40-MCST25-135-7PCS	ST25 7PCS		5.2kg	4688
303424	BT40-MCST32-105-7PCS	ST32 7PCS		7.0kg	5131
303426	BT50-MCST32-110-7PCS	ST32 7PCS		9.5kg	5869
303428	BT50-MCST42-115-8PCS	ST42 8PCS		13.0kg	8369
303430	DAT30-MCST20-95-6PCS	ST20 6PCS		4.0kg	4388
303432	DAT40-MCST20-80-6PCS	ST20 6PCS		4.5kg	4469
303434	DAT40-MCST25-90-7PCS	ST25 7PCS		4.8kg	4681
303436	DAT40-MCST32-100-7PCS	ST32 7PCS		7.2kg	5344
303438	DAT50-MCST32-105-7PCS	ST32 7PCS		9.1kg	6056
303440	DAT50-MCST42-110-8PCS	ST42 8PCS		12.0kg	8544

铣削
刀柄
系统

SK
高速
高精

HM
液压

SR
烧结
刀柄

ADS
后拉
刀柄

强力
刀柄

ER
刀柄

OZ
刀柄

攻牙
刀柄

钻
夹头
刀柄

平面
铣
刀柄

莫氏
刀柄

侧固
刀柄

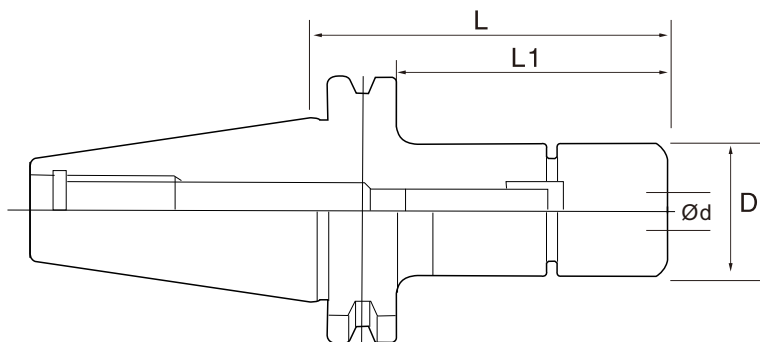
油路
刀柄

ISO-ER雕刻机高速刀柄

ISO-ER ENGRAVING MACHINE HIGH SPEED CHUCK

特点:

- 无键槽适用于高转速下使用
- 刀具置入筒夹内孔，必须超出筒夹内孔有效夹持长度，避免不当锁固，造成损坏。
- 精密平衡校正可校正：G2.5, 25000RPM。
动平衡G2.5, 40000RPM（需另外加价）。



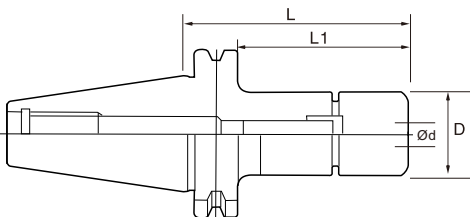
订购编号 Order No.	型号 Model	夹持范围 Clamping Range	D	L	价格 Price
303600	ISO25-GER16	2~10	27.5	42	1000
303602	ISO25-GER20	2~13	30	42	1000
303604	ISO30-GER16	2~10	27.5	55	700
303606	ISO30-GER20	2~13	30	55	700

订购编号 Order No.	型号 Model	夹持范围 Clamping Range	D	L	价格 Price
303610	ISO15-ER16-035MS	0.5~10	22	35	1000
303612	ISO20-ER16-035MS	0.5~10	22	35	1000
303614	ISO25-ER20-035MS	1~13	28	35	1000
303616	ISO30-ER32-042UM	2~20	50	42	700
303618	ISO30-ER32-060UM	2~20	50	60	700

G2.5 MAX.30,000min⁻¹

NBT-ER木工机高速刀柄

ISO-ER WOODWORKING MACHINE HIGH SPEED TOOLHOLDER



订购编号 Order No.	型号 Model	夹持范围 Clamping Range	D	L	价格 Price
303620	NBT30-ER16-60A	0.5~10	28	60	400
303622	NBT30-ER20-60A	1~13	34	60	400
303624	NBT30-ER20-60MS	1~13	28	60	700
303626	NBT30-ER25-60UM	1~16	42	60	400
303628	NBT30-ER25-60MS	1~16	40	60	700
303630	NBT30-ER32-60UM	2~20	50	60	500

G2.5 MAX.30,000min⁻¹

铣削
刀柄
系统

SK
高速
高精

HM
液压

SR
烧结
刀柄

ADS
后拉
刀柄

强力
刀柄

ER
刀柄

OZ
刀柄

攻牙
刀柄

钻
夹头
刀柄

平面
铣
刀柄

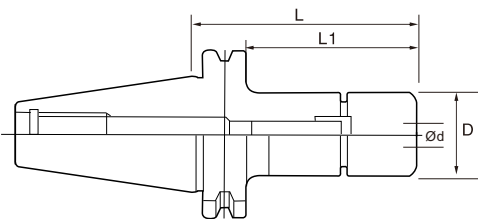
莫氏
刀柄

侧固
刀柄

油路
刀柄

BT-GER高速刀柄

BT-GER HIGH SPEED CHUCK

G2.5 MAX.30,000min⁻¹

- ◆ 高速雕铣机专用刀柄
- ◆ 非偏心全平衡圆螺帽。
- ◆ 噪音低、风阻小。
- ◆ High-speed carving and milling machine for tool holder
- ◆ Non-eccentric full balanced round nut.
- ◆ low noise, little wind resistance

订购编号 Order No.	型号 Model	Ød	D	L	价格 Price
303500	BT30-GER16-70	0.5-10.0	27.5	70	600
303502	BT30-GER20-70	1.0-13.0	30	70	600
303504	BT30-GER25-70	1.0-16.0	40	70	600
303506	BT30-GER16-100	0.5-10.0	27.5	100	600
303508	BT30-GER20-100	1.0-13.0	30	100	600
303510	BT30-GER25-100	1.0-16.0	40	100	600
303512	BT40-GER16-70	0.5-10.0	27.5	70	700
303514	BT40-GER20-70	1.0-13.0	30	70	700
303516	BT40-GER25-70	1.0-16.0	40	70	700
303518	BT40-GER16-100	0.5-10.0	27.5	100	700
303520	BT40-GER20-100	1.0-13.0	30	100	700
303522	BT40-GER25-100	1.0-16.0	40	100	700

铣削
刀柄
系统SK
高速
高精HM
液压SR
烧结
刀柄ADS
后拉
刀柄强力
刀柄ER
刀柄OZ
刀柄攻牙
刀柄钻
夹头
刀柄平面
铣
刀柄莫氏
刀柄侧固
刀柄油路
刀柄

BT-ER立铣刀刀柄A型

BT-ER COLLET CHUCK A TYPE



特点:

- 螺纹经精密磨削。
- ER16, ER20紧固螺母为外六角螺母。
- 可以额外购买强力螺母。
- 动平衡可以达到G6.3, 10000RPM。
- 平衡等级和转速可以根据客户的要求, 但需另行报价。

铣削
刀柄
系统



SK
高速
高精

HM
液压

SR
烧结
刀柄

ADS
后拉
刀柄

强力
刀柄

ER
刀柄

OZ
刀柄

攻牙
刀柄

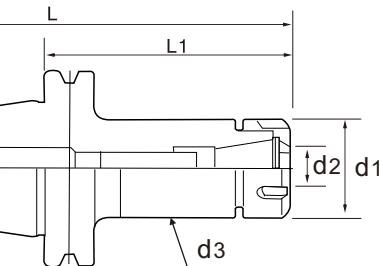
钻
夹头
刀柄

平面
铣
刀柄

莫氏
刀柄

侧固
刀柄

油路
刀柄



订购编号 Order No.	型号 Model	L	d1	d2	d3	T	夹持范围 Clamping range	重量 WG	价格 Price	
303900	BT30-ER16A-50	98.4	28	16	28	M10x1.5P	0.5-10.0	0.45kg	400	
303902	BT30-ER16A-70	118.4	28	16	28			0.55kg	400	
303904	BT30-ER16A-60	108.4	28	16	28			0.66kg	400	
303906	BT30-ER16A-100	148.4	28	16	28			0.80kg	400	
303908	BT30-ER16A-120	168.4	28	16	28			0.95kg	500	
303910	BT30-ER20A-50	98.4	34	20	34	M12x1.75P	1.0-13.0	0.48kg	400	
303912	BT30-ER20A-70	118.4	34	20	34			0.75kg	400	
303914	BT30-ER20A-135	183.4	34	20	34			1.15kg	400	
303916	BT30-ER25-70	118.4	42	25	42	M16x2.0P	1.0-16.0	0.70kg	400	
303918	BT30-ER25-135	183.4	42	25	42			1.45kg	500	
303920	BT30-ER32-70	118.4	50	32	45			2.0-20.0	0.85kg	400
303922	BT30-ER32-100	148.4	50	32	45				1.00kg	400
303924	BT30-ER40-80	128.4	63	40	53			3.0-26.0	1.10kg	500
303926	BT40-ER16A-70	135.4	28	16	28	M10x1.5P	0.5-10.0	1.20kg	400	
303928	BT40-ER16A-100	165.4						1.30kg	400	
303930	BT40-ER16A-125	190.4						1.36kg	450	
303932	BT40-ER16A-150	215.4	34	20	34	M12x1.75P	1.0-13.0	1.54kg	500	
303934	BT40-ER16A-180	245.4						2.00kg	550	
303936	BT40-ER20A-70	135.4						1.40kg	400	
303938	BT40-ER20A-100	165.4						1.50kg	400	
303940	BT40-ER20A-135	200.4						1.70kg	450	
303942	BT40-ER20A-150	215.4	42	25	42	M16x2.0P	1.0-16.0	1.80kg	500	
303944	BT40-ER25-70	135.4						1.30kg	400	
303946	BT40-ER25-100	165.4						1.50kg	400	
303948	BT40-ER25-125	190.4						1.90kg	450	
303950	BT40-ER25-150	215.4						2.25kg	500	
303952	BT40-ER32-70	135.4	50	32	45	M16x2.0P	2.0-20.0	1.30kg	400	
303954	BT40-ER32-100	165.4						1.70kg	400	
303956	BT40-ER32-150	215.4						2.05kg	500	
303958	BT40-ER40-80	145.4						1.50kg	500	
303960	BT40-ER40-100	165.4						2.06kg	500	
303962	BT40-ER40-120	185.4	63	40	53	M20x2.0P	3.0-26.0	2.5kg	550	
303964	BT40-ER40-150	215.4						3.10kg	600	
303966	BT40-ER50-85	150.4						1.70kg	700	
303968	BT40-ER50-100	165.4	78	50	60	M24x2.0P	5.0-34.0	2.10kg	700	
303970	BT50-ER16A-70	171.8						4.05kg	700	
303972	BT50-ER16A-90	191.8						4.20kg	700	
303974	BT50-ER16A-105	206.8	28	16	28	M10x1.5P	0.5-10.0	4.30kg	700	
303976	BT50-ER16A-135	236.8						4.40kg	800	
303978	BT50-ER16A-150	251.8						4.50kg	850	
303980	BT50-ER16A-165	266.8						4.50kg	900	
303982	BT50-ER20A-70	171.8						4.20kg	700	
303984	BT50-ER20A-90	191.8	34	20	34	M12x1.75P	1.0-13.0	4.25kg	700	
303986	BT50-ER20A-105	206.8						4.30kg	700	
303988	BT50-ER20A-135	236.8						4.55kg	800	
303990	BT50-ER20A-150	251.8						4.70kg	850	
303992	BT50-ER20A-165	266.8						4.80kg	900	
303994	BT50-ER20A-200	301.8	4.90kg	1000						
303996	BT50-ER25-70	171.8	42	25	42	M16x2.0P	1.0-16.0	4.20kg	700	
303998	BT50-ER25-105	206.8						4.40kg	700	
304000	BT50-ER25-135	236.8						4.70kg	800	
304002	BT50-ER25-165	266.8						5.00kg	850	
304004	BT50-ER32-80	181.8						50	40	50
304006	BT50-ER32-100	201.8	4.80kg	700						
304008	BT50-ER32-120	221.8	4.90kg	800						
304010	BT50-ER32-150	251.8	5.30kg	800						
304012	BT50-ER32-200	301.8	5.50kg	1000						
304014	BT50-ER40-80	181.8	63	40	63	M20x2.0P	3.0-26.0	4.30kg	800	
304016	BT50-ER40-100	201.8						4.40kg	800	
304018	BT50-ER40-120	221.8						5.20kg	900	
304020	BT50-ER40-135	236.8						5.50kg	1000	
304022	BT50-ER50-90	191.8						78	50	78
304024	BT50-ER50-120	221.8	5.50kg	1100						
304026	BT50-ER50-165	266.8	6.10kg	1200						

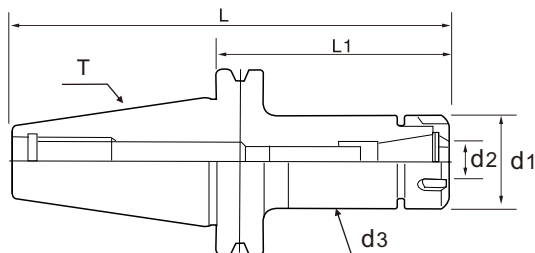
BT-ER立铣刀刀柄M型

BT-ER COLLET CHUCK M TYPE



特点:

- M型刀杆采用小径螺帽，避免干涉。
- 刀具置入筒夹内孔，必须超出筒夹内孔有效夹持长度，避免不当锁固，造成损坏。
- 务必使用正确扳手来装置，不可任意改变，避免不当锁固，造成损坏。
- 动平衡可以达到G6.3, 10000RPM。
- 平衡等级和转速可以根据客户的要求，但需另行报价。



订购编号 Order No.	型号 Model	L	L1	d1	d2	d3	T	夹持范围 Clamping range	重量 WG	价格 Price
304100	BT30-ER11M-70	118.4	6.6	16	11	15	M6x1.0P	0.5~7.0	0.50kg	500
304102	BT30-ER11M-100	148.4							0.60kg	535
304104	BT30-ER11M-120	168.4							0.70kg	580
304106	BT30-ER16M-70	118.4	10.6	22	16	21	M10x1.5P	0.5~10.0	0.55kg	500
304108	BT30-ER16M-100	148.4							0.65kg	535
304110	BT30-ER16M-120	168.4							0.75kg	600
304112	BT30-ER20M-70	118.4	11.5	28	20	27	M12x1.75P	1.0~13.0	0.65kg	505
304114	BT30-ER20M-100	148.4							0.70kg	540
304116	BT30-ER20M-120	168.4							0.80kg	615
304118	BT30-ER20M-150	198.4							1.00kg	700
304120	BT40-ER11M-70	135.4	6.6	16	11	15	M6x1.0P	0.5~7.0	1.10kg	545
304122	BT40-ER11M-100	165.4							1.20kg	585
304124	BT40-ER11M-125	190.4							1.40kg	880
304126	BT40-ER11M-150	215.4							1.50kg	960
304128	BT40-ER16M-70	135.4	10.6	22	16	21	M10x1.5P	0.5~10.0	1.20kg	550
304130	BT40-ER16M-100	165.4							1.30kg	585
304132	BT40-ER16M-125	190.4							1.50kg	900
304134	BT40-ER16M-150	215.4							1.60kg	995
304136	BT40-ER20M-70	135.4	11.5	28	20	27	M12x1.75P	1.0~13.0	1.20kg	550
304138	BT40-ER20M-100	165.4							1.55kg	590
304140	BT40-ER20M-125	190.4							1.70kg	930
304142	BT40-ER20M-150	215.4							1.80kg	1,030
304144	BT50-ER11M-70	171.8							6.6	16
304146	BT50-ER11M-90	191.8	3.90kg	1,635						
304148	BT50-ER11M-105	206.8	4.00kg	1,705						
304150	BT50-ER11M-135	236.8	4.10kg	1,560						
304152	BT50-ER11M-165	266.8	4.20kg	1,615						
304154	BT50-ER16M-70	171.8	10.6	22	16	21	M10x1.5P	0.5~10.0	3.90kg	1,580
304156	BT50-ER16M-90	191.8							4.00kg	1,645
304158	BT50-ER16M-105	206.8							4.10kg	1,735
304160	BT50-ER16M-135	236.8							4.20kg	1,590
304162	BT50-ER16M-165	266.8							4.30kg	1,635
304164	BT50-ER20M-90	191.8	11.5	28	20	27	M12x1.75P	1.0~13.0	4.10kg	1,655
304166	BT50-ER20M-105	206.8							4.20kg	1,750
304168	BT50-ER20M-135	236.8							4.40kg	1,605
304170	BT50-ER20M-165	266.8							4.60kg	1,655

铣削
刀柄
系统SK
高速
高精HM
液压SR
烧结
刀柄ADS
后拉
刀柄强力
刀柄ER
刀柄OZ
刀柄攻牙
刀柄钻
夹头
刀柄平面
铣
刀柄莫氏
刀柄侧固
刀柄油路
刀柄

BT-ER刀柄套装

BT-ER COLLET CHUCK GROUP



铣削
刀柄
系统

SK
高速
高精

HM
液压

SR
烧结
刀柄

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钻
夹头
刀柄

平面
铣
刀柄

莫氏
刀柄

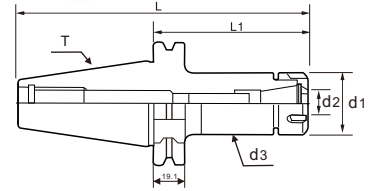
侧固
刀柄

油路
刀柄

订购编号 Order No.	型号 Model	Set Range	Collet	重量 N. W.	价格 Price
304200	BT30-ER16-60-10PCS	1-10	ER16 10PCS	1.90kg	
304202	BT30-ER16-100-10PCS	1-10	ER16 10PCS	2.00kg	
304204	BT30-ER20-60-12PCS	2-13	ER20 12PCS	2.50kg	
304206	BT30-ER20-100-12PCS	2-13	ER20 12PCS	2.60kg	
304208	BT30-ER25-60-15PCS	2-16	ER25 15PCS	2.50kg	
304210	BT30-ER25-60-7PCS	4-16	ER25 7PCS	2.80kg	
304212	BT30-ER32-60-18PCS	3-20	ER32 18PCS	4.40kg	
304214	BT30-ER32-60-11PCS	4-20	ER32 11PCS	3.80kg	
304216	BT30-ER32-60-6PCS	6-20	ER32 6PCS	3.40kg	
304218	BT40-ER16-70-10PCS	1-10	ER16 10PCS	2.30kg	
304220	BT40-ER16-100-10PCS	1-10	ER16 10PCS	2.70kg	
304222	BT40-ER20-70-12PCS	2-13	ER20 12PCS	2.80kg	
304224	BT40-ER20-100-12PCS	2-13	ER20 12PCS	3.00kg	
304226	BT40-ER25-70-15PCS	2-16	ER25 15PCS	3.20kg	
304228	BT40-ER25-70-7PCS	4-16	ER25 7PCS	3.00kg	
304230	BT40-ER32-70-18PCS	3-20	ER32 18PCS	5.20kg	
304232	BT40-ER32-70-11PCS	4-20	ER32 11PCS	4.20kg	
304234	BT40-ER32-70-6PCS	6-20	ER32 6PCS	3.80kg	
304236	BT40-ER40-80-23PCS	4-26	ER40 23PCS	8.90kg	
304238	BT40-ER40-80-15PCS	4-26	ER40 15PCS	7.60kg	
304240	BT40-ER40-80-7PCS	6-25	ER40 7PCS	4.50kg	
304242	BT40-ER50-90-12PCS	12-34	ER50 12PCS	9.00kg	
304244	BT50-ER32-100-18PCS	3-20	ER32 18PCS	7.50kg	
304246	BT50-ER40-100-23PCS	4-26	ER40 23PCS	11.3kg	
304248	BT50-ER40-100-15PCS	4-26	ER40 15PCS	10.0kg	
304250	BT50-ER50-100-12PCS	12-34	ER50 12PCS	12.0kg	

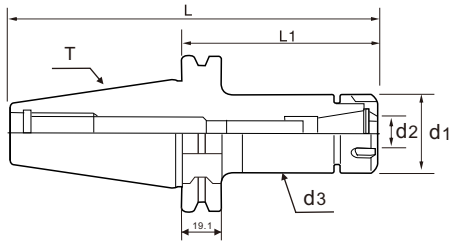
ER 筒夹刀柄 ER Collet Holder

DAT-ER立铣刀刀柄 DAT-ER COLLET CHUCK



特点:

- 螺纹经精密磨削, 可以夹直柄和工具
- ER16, ER20紧固螺帽为外六角螺帽
- ER25, ER32, ER40, ER50附有一个标准螺母, 可以额外购买强力螺母
- 动平衡可以达到G6.3, 10000RPM.
- 平衡等级和转速可以根据客户的要求, 但需另行报价。



特点:

- M型刀杆采用小径螺帽, 避免干涉。
- 刀具置入筒夹内孔, 必须超出筒夹内孔有效夹持长度, 避免不当锁固, 造成损坏。
- 务必使用正确扳手来装置, 不可任意改变, 避免不当锁固, 造成损坏。
- 动平衡可以达到G6.3, 10000RPM.
- 平衡等级和转速可以根据客户的要求, 但需另行报价。

订购编号 Order No.	型号 Model	L	d1	d2	T	夹持范围 Clamping range	重量 WG	价格 Price
304300	DAT30-ER11A-80	127.8	19	11	M6x1.0P	0.5-7.0	0.60kg	605
304302	DAT30-ER16A-63	110.8	28	16	M10x1.5P	0.5-10.0	0.70kg	600
304304	DAT30-ER16A-120	167.8					0.85kg	680
304306	DAT30-ER20A-63	110.8	34	20	M12x1.75P	1.0-13	0.80kg	615
304308	DAT30-ER20A-120	167.8					1.05kg	690
304310	DAT30-ER25-63	110.8	42	25	M16x2.0P	1.0-16	0.85kg	640
304312	DAT30-ER32-63	110.8	50	32		2.0-20	0.90kg	695
304400	DAT40-ER11A-80	148.4	19	11	M16x1.0P	0.5-7.0	1.05kg	750
304402	DAT40-ER11A-125	193.4					1.15kg	810
304404	DAT40-ER16A-70	138.4					1.30kg	690
304406	DAT40-ER16A-100	168.4					1.40kg	795
304408	DAT40-ER16A-125	193.4	28	16	M10x1.5P	0.5-10.0	1.60kg	845
304410	DAT40-ER16A-150	218.4					1.65kg	910
304412	DAT40-ER16A-180	248.4					1.85kg	935
304414	DAT40-ER20A-70	138.4					1.40kg	850
304416	DAT40-ER20A-100	168.4	34	20	M12x1.75P	1.0-13	1.50kg	810
304418	DAT40-ER20A-135	203.4					1.95kg	880
304420	DAT40-ER20A-160	228.4					2.20kg	970
304422	DAT40-ER25-70	138.4					1.60kg	825
304424	DAT40-ER25-100	168.4	42	25	M16x2.0P	1.0-16.0	1.85kg	870
304426	DAT40-ER25-150	218.4					2.25kg	980
304428	DAT40-ER25-180	248.4					2.45kg	1065
304430	DAT40-ER25-200	268.4					2.55kg	1115
304432	DAT40-ER32-70	138.4					1.60kg	855
304434	DAT40-ER32-100	168.4	50	32	M16x2.0P	2.0-20.0	2.00kg	915
304436	DAT40-ER32-135	203.4					2.15kg	980
304438	DAT40-ER32-150	218.4					2.65kg	1025
304440	DAT40-ER40-70	138.4					1.50kg	950
304442	DAT40-ER40-100	168.4	53	40	M20x2.0P	3.0-26.0	2.00kg	1005
304444	DAT40-ER40-135	218.4					2.30kg	1075
304446	DAT40-ER50-100	168.4	78	50	M24x2.0P	5.0-34.0	1.70kg	1200
304500	DAT50-ER16A-100	201.75					3.20kg	1475
304502	DAT50-ER16A-135	236.75	28	16	M10x1.5P	0.5-10.0	4.30kg	1605
304504	DAT50-ER16A-160	261.75					4.50kg	1725
304506	DAT50-ER16A-180	281.75					4.80kg	1830
304508	DAT50-ER20A-100	201.75					3.40kg	1445
304510	DAT50-ER20A-135	236.75	34	20	M12x1.75P	1.0-13.0	3.60kg	1605
304512	DAT50-ER20A-160	261.75					3.80kg	1725
304514	DAT50-ER25-70	171.75					3.40kg	1355
304516	DAT50-ER25-100	201.75	42	25	M16x2.0P	1.0-16.0	4.15kg	1480
304518	DAT50-ER25-150	251.75					4.50kg	1750
304520	DAT50-ER25-200	301.75					4.70kg	1965
304522	DAT50-ER32-80	181.75					3.60kg	1430
304524	DAT50-ER32-120	221.75	50	32	M20x2.0P	2.0-20.0	4.60kg	1650
304526	DAT50-ER32-160	261.75					4.75kg	1820
304528	DAT50-ER32-200	301.75					4.90kg	2005
304530	DAT50-ER40-80	181.75					3.65kg	1525
304532	DAT50-ER40-120	221.75	63	40	M20x2.0P	3.0-26.0	4.80kg	1745
304534	DAT50-ER40-160	261.75					5.20kg	1925
304536	DAT50-ER40-200	301.75					5.40kg	2105
304538	DAT50-ER50-80	181.75					4.85kg	1690
304540	DAT50-ER50-120	221.75	78	50	M24x2.0P	5.0-34.0	5.45kg	1895
304542	DAT50-ER50-160	261.75					5.55kg	2065
304544	DAT50-ER50-200	301.75					5.70kg	2250

订购编号 Order No.	型号 Model	L	d1	d2	d3	T	夹持范围 Clamping range	重量 WG	价格 Price
304600	DAT30-ER11M-70	117.8						0.50kg	875
304602	DAT30-ER11M-100	147.8	16	11	15	M6x1.0P	0.5-7.0	0.60kg	945
304604	DAT30-ER11M-120	167.8						0.70kg	995
304606	DAT30-ER16M-70	117.8						0.55kg	900
304608	DAT30-ER16M-100	147.8	22	16	21	M10x1.5P	0.5-10.0	0.65kg	975
304610	DAT30-ER16M-120	167.8						0.75kg	1025
304612	DAT30-ER20M-100	147.8						0.70kg	985
304614	DAT30-ER20M-120	167.8	28	20	27	M12x1.75P	1.0-13.0	0.80kg	1040
304616	DAT30-ER20M-150	197.8						1.00kg	1175
304618	DAT40-ER11M-70	138.4						1.10kg	1100
304620	DAT40-ER11M-100	168.4	16	11	15	M6x1.0P	0.5-7.0	1.20kg	1190
304622	DAT40-ER11M-125	193.4						1.40kg	1300
304624	DAT40-ER11M-150	218.4						1.50kg	1420
304626	DAT40-ER16M-70	138.4						1.20kg	1160
304628	DAT40-ER16M-100	168.4	22	16	21	M10x1.5P	0.5-10.0	1.30kg	1250
304630	DAT40-ER16M-125	193.4						1.50kg	1355
304632	DAT40-ER16M-150	218.4						1.60kg	1415
304634	DAT40-ER20M-70	138.4						1.20kg	1135
304636	DAT40-ER20M-100	168.4	28	20	27	M12x1.75P	1.0-13.0	1.55kg	1245
304638	DAT40-ER20M-125	193.4						1.70kg	1340
304640	DAT40-ER20M-150	218.4						1.80kg	1470
304700	DAT50-ER11M-70	171.75						3.8kg	2010
304702	DAT50-ER11M-90	191.75	16	11	15	M6x1.0P	0.5-7.0	3.9kg	2140
304704	DAT50-ER11M-105	206.75						4.0kg	2020
304706	DAT50-ER11M-135	236.75						4.1kg	2210
304708	DAT50-ER11M-165	266.75						4.2kg	2410
304710	DAT50-ER16M-70	171.75						3.9kg	2020
304712	DAT50-ER16M-90	191.75	22	16	21	M10x1.5P	0.5-10.0	4.0kg	2155
304714	DAT50-ER16M-105	206.75						4.1kg	2025
304716	DAT50-ER16M-135	236.75						4.2kg	2220
304718	DAT50-ER16M-165	266.75						4.3kg	2445
304720	DAT50-ER20M-90	191.75	28	20	27	M12x1.75P	1.0-13.0	4.1kg	2145
304722	DAT50-ER20M-105	206.75						4.2kg	2040
304724	DAT50-ER20M-135	236.75						4.4kg	2235
304726	DAT50-ER20M-165	266.75						4.6kg	2435

DAT/ER 铣床夹头组 Milling chuck group



订购编号 Order No.	型号 Model	Set Range	Collet	重量 N.W.	价格 Price
304800	DAT30-ER16-60-10PCS	1-10	ER16 10PCS	1.80kg	
304802	DAT30-ER20-60-12PCS	2-13	ER20 12PCS	2.40kg	
304804	DAT30-ER25-60-15PCS	2-16	ER25 15PCS	2.70kg	
304806	DAT30-ER32-60-18PCS	3-20	ER32 18PCS	4.20kg	
304808	DAT40-ER16-70-10PCS	1-10	ER16 10PCS	2.20kg	
304810	DAT40-ER20-70-12PCS	2-13	ER20 12PCS	2.70kg	
304812	DAT40-ER25-70-15PCS	2-16	ER25 15PCS	3.10kg	
304814	DAT40-ER32-70-18PCS	3-20	ER32 18PCS	5.20kg	
304816	DAT40-ER40-80-23PCS	4-26	ER40 23PCS	8.90kg	
304818	DAT40-ER40-80-15PCS	4-26	ER40 15PCS	7.00kg	
304820	DAT50-ER32-100-18PCS	3-20	ER32 18PCS	7.00kg	
304822	DAT50-ER40-100-15PCS	4-26	ER40 15PCS	9.50kg	
304824	DAT50-ER50-100-23PCS	4-26	ER50 23PCS	11.3kg	

铣削
刀柄
系统

SK
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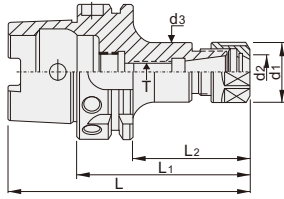
油路
刀柄

HSK-ER立铣刀刀柄

HSK-ER COLLET CHUCK



- 特点:**
- 刀杆的旋转都经平衡机检测。
 - 刀杆的旋转平衡可以达到G2.5, 25000RPM。
 - 可以夹持任何一种直径刀具和工具。
 - 平衡等级和转速可以根据客户的要求, 但需另行报价。

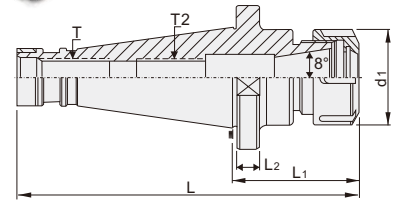


NT-ER立铣刀刀柄

NT-ER COLLET CHUCK



- 特点:**
- 钢材: SCM-21
 - 主体的末端, 有一个塑料环保护主轴免受损伤。
 - 可以单独购买, 每只锁有一个夹紧螺帽, 但不附扳手。



订购时, 请确认拉杆螺丝规格为公制或英制。

单位: mm

订购编号 Order No.	型号 Model	L	L2	d1	t2	T	重量 WG	价格 Price
305100	NT30-ER16A-45	111.4	28	M10x1.5P	M12(M12*1.75P)	A04(1/2"-12)	0.50kg	635
305102	NT30-ER20A-45	113.4	34	M12x1.75P	M16x2.0P	M16(M16*2.0P)	0.60kg	645
305104	NT30-ER25-55	123.4	42	M16x2.0P	M20x2.0P	A06(5/8"-11)	0.65kg	695
305106	NT30-ER32-60	128.4	50	M16x2.0P	M24x2.0P	M24(M24*3.0P)	0.80kg	750
305108	NT30-ER40-75	143.4	63	M10x1.5P	M12x1.75P	M16(M16*2.0P)	0.90kg	870
305110	NT40-ER16A-45	138.4	28	M10x1.5P	M12x1.75P	M16(M16*2.0P)	0.95kg	785
305112	NT40-ER20A-45	138.4	34	M12x1.75P	M16x2.0P	A06(5/8"-11)	1.20kg	805
305114	NT40-ER25-55	148.4	42	M16x2.0P	M20x2.0P	M24(M24*3.0P)	1.25kg	850
305116	NT40-ER32-60	153.4	50	M16x2.0P	M24x2.0P	A07(1"-8)	1.30kg	870
305118	NT40-ER40-70	163.4	63	M20x2.0P	M24x2.0P		1.35kg	1,020
305120	NT40-ER50-80	173.4	78	M24x2.0P			2.00kg	1,255
305122	NT50-ER32-75	201.8	50	M16x2.0P			3.20kg	1,635
305124	NT50-ER40-80	206.8	63	M20x2.0P			3.40kg	1,815
305126	NT50-ER50-80	206.8	78	M24x2.0P			3.70kg	2,270

NT/ER 铣床夹头组 Milling chuck group



订购编号 Order No.	型号 Model	Set Range	Collet	Draw Bar	重量 N.W.	价格 Price
305200	NT30-ER16-76-10PCS	1-10	ER16 10PCS	M12(M12*1.75P)	1.70kg	1.80kg
305202	NT30-ER16-76-12PCS	2-13	ER16 12PCS	A04(1/2"-12)	2.80kg	2.40kg
305204	NT30-ER25-55-15PCS	2-16	ER25 15PCS	A05(1/2"-13)	2.40kg	4.20kg
305206	NT30-ER25-55-7PCS	4-16	ER25 7PCS	M12(M12*1.75P)	4.20kg	3.20kg
305208	NT30-ER32-55-18PCS	3-20	ER32 18PCS	A04(1/2"-12)	4.20kg	2.80kg
305210	NT30-ER32-55-11PCS	4-20	ER32 11PCS	A05(1/2"-13)	3.20kg	2.80kg
305212	NT30-ER32-55-6PCS	6-20	ER32 6PCS	M16(M16*2.0P)	2.80kg	4.80kg
305214	NT30-ER40-70-23PCS	4-26	ER40 23PCS	A06(5/8"-11)	7.30kg	3.80kg
305216	NT30-ER40-70-15PCS	4-26	ER40 15PCS		6.00kg	4.60kg
305218	NT30-ER40-70-7PCS	6-25	ER40 7PCS		4.60kg	2.40kg
305220	NT40-ER16-76-10PCS	1-10	ER16 10PCS		2.40kg	2.50kg
305222	NT40-ER20-76-12PCS	2-13	ER20 12PCS		2.50kg	3.30kg
305224	NT40-ER25-50-15PCS	2-16	ER25 15PCS		3.30kg	3.00kg
305226	NT40-ER25-50-7PCS	4-16	ER25 7PCS		3.00kg	4.80kg
305228	NT40-ER32-50-18PCS	3-20	ER32 18PCS		4.80kg	3.80kg
305230	NT40-ER32-50-11PCS	4-20	ER32 11PCS		3.80kg	3.40kg
305232	NT40-ER32-50-6PCS	6-20	ER32 6PCS		3.40kg	8.20kg
305234	NT40-ER40-60-23PCS	4-26	ER40 23PCS		8.20kg	6.90kg
305236	NT40-ER40-60-15PCS	4-26	ER40 15PCS		6.90kg	5.20kg
305238	NT40-ER40-60-7PCS	6-25	ER40 7PCS		5.20kg	10.0kg
305240	NT40-ER50-80-12PCS	12-34	ER50 12PCS		10.0kg	6.40kg
305242	NT50-ER32-60-18PCS	3-20	ER32 18PCS		6.40kg	5.40kg
305244	NT50-ER32-60-11PCS	4-20	ER32 11PCS		5.40kg	5.00kg
305246	NT50-ER32-60-6PCS	6-20	ER32 6PCS		5.00kg	9.80kg
305248	NT50-ER40-65-23PCS	4-26	ER40 23PCS		9.80kg	8.50kg
305250	NT50-ER40-65-15PCS	4-26	ER40 15PCS		8.50kg	7.00kg
305252	NT50-ER40-65-7PCS	6-25	ER40 7PCS		7.00kg	11.0kg
305254	NT50-ER50-65-12PCS	12-34	ER50 12PCS		11.0kg	

铣削
刀柄
系统

SK
高速
高精

HM
液压

SR
烧结
刀柄

ADS
后拉
刀柄

强力
刀柄

ER
刀柄

OZ
刀柄

攻牙
刀柄

钻
夹头
刀柄

平面
铣
刀柄

莫氏
刀柄

侧固
刀柄

油路
刀柄

HSK-E型雕刻机高速刀柄

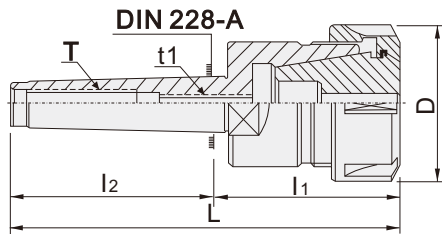
订购编号 Order No.	型号 Model	夹持范围 Clamping Range	d1	L1	价格 Price
305060	HSK25E-ER16A	0.5~10	28	40	1300
305062	HSK32E-ER16A	0.5~10	28	40	1300
305064	HSK32E-ER20A	1~13	34	50	1300
305066	HSK32E-ER25UM	1~16	42	60	1300
305068	HSK40E-ER16A	0.5~10	28	60	1300
305070	HSK40E-ER20A	1~13	34	60	1300
305072	HSK40E-ER25UM	1~16	42	70	1300
305074	HSK40E-ER32UM	2~20	50	70	1300

HSK-F型车铣复合机高速刀柄

订购编号 Order No.	型号 Model	夹持范围 Clamping Range	d1	L1	价格 Price
305080	HSK63F-ER32-70	2~20	50	60	1500
305082	HSK63F-ER40-70	3~26	63	60	1500

MT-ER立铣刀刀柄

MT-ER COLLET CHUCK



订购编号 Order No.	型号 Model	L	D	l2	t1	T 拉杆规格	重量 N.W.	价格 Price
305300	MTB2-ER20A-52	116	35	64	M10x1.5P	M10(M10*1.5P) A02(3/8"-16)	0.45kg	590
305302	MTB2-ER25-55	119	42				0.50kg	685
305304	MTB3-ER25-55	136	42				0.60kg	705
305306	MTB3-ER32-60	141	50	81	M12x1.75F	M12(M12*1.75F) A04(1/2"-12)	0.80kg	825
305308	MTB3-ER40-70	151	63				1.30kg	1130
305310	MTB4-ER32-60	162.5	50				0.95kg	885
305312	MTB4-ER40-70	172.5	63	102.5	M16x2.0P	M16(M16*2.0P) A06(5/8"-11)	1.50kg	1205

单位:mm

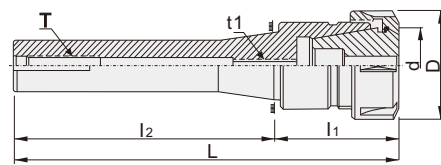
MT/ER 铣床夹头组 Milling chuck group



订购编号 Order No.	型号 Model	Set Range	Collet	Draw Bar	重量 N.W.	价格 Price
305400	MTB2-ER16-40-10PCS	1-10	ER16 10PCS	M10(M10*1.5P) A02(3/8"-16)	1.05kg	
305402	MTB2-ER20-43-12PCS	2-13	ER20 12PCS		1.30kg	
305404	MTB2-ER25-47-15PCS	2-16	ER25 15PCS		2.40kg	
305406	MTB2-ER25-47-7PCS	4-16	ER25 7PCS		2.00kg	
305408	MTB3-ER16-40-10PCS	1-10	ER16 10PCS	M10(M10*1.5P)	1.15kg	
305410	MTB3-ER20-43-12PCS	2-13	ER20 12PCS		1.35kg	
305412	MTB3-ER25-47-15PCS	2-16	ER25 15PCS		2.50kg	
305414	MTB3-ER25-47-7PCS	4-16	ER25 7PCS		2.10kg	
305416	MTB3-ER32-70-18PCS	3-20	ER32 18PCS	M12(M12*1.75F) A04(1/2"-12)	4.10kg	
305418	MTB3-ER32-70-11PCS	4-20	ER32 11PCS		3.00kg	
305420	MTB3-ER32-70-6PCS	6-20	ER32 6PCS		2.70kg	
305422	MTB3-ER40-80-23PCS	4-26	ER40 23PCS		7.20kg	
305424	MTB3-ER40-80-15PCS	4-26	ER40 15PCS	M16(M16*2.0P) A06(5/8"-11)	6.00kg	
305426	MTB3-ER40-80-7PCS	6-25	ER40 7PCS		4.50kg	
305428	MTB4-ER32-60-18PCS	3-20	ER32 18PCS		4.30kg	
305430	MTB4-ER32-60-11PCS	4-20	ER32 11PCS		3.20kg	
305432	MTB4-ER32-60-6PCS	6-20	ER32 6PCS	M16(M16*2.0P) A06(5/8"-11)	2.90kg	
305434	MTB4-ER40-82-23PCS	4-26	ER40 23PCS		7.30kg	
305436	MTB4-ER40-82-15PCS	4-26	ER40 15PCS		6.10kg	
305438	MTB4-ER40-82-7PCS	6-25	ER40 7PCS		4.60kg	
305440	MTB5-ER40-82-23PCS	4-26	ER40 23PCS	M24(M24*3.0P) A07(1"-8)	8.20kg	
305442	MTB5-ER40-82-15PCS	4-26	ER40 15PCS		6.90kg	
305444	MTB5-ER40-82-7PCS	6-25	ER40 7PCS		5.40kg	
305446	MTB5-ER50-85-12PCS	12-34	ER50 12PCS		9.50kg	

R8-ER立铣刀刀柄

R8-ER COLLET CHUCK



订购编号 Order No.	型号 Model	L	D	d	l2	t1	T拉杆规格	重量 N.W.	价格 Price
305500	R8-ER16A-38	135	28	16		M10x1.5P	7/16"-20	0.65kg	755
305502	R8-ER32-60	162	50	32	102	M12x1.75P		0.90kg	895
305504	R8-ER40-65	168	63	40		M16x2.0P		1.10kg	1120

单位:mm

ST/ER 铣床夹头组 Milling chuck group



订购编号 Order No.	型号 Model	Set Range	Collet	重量 N.W.	价格 Price
305600	R8-ER16-38-10PCS	1-10	ER16 10PCS	1.50kg	
305602	R8-ER32-40-18PCS	3-20	ER32 18PCS	4.30kg	
305604	R8-ER32-40-11PCS	4-20	ER32 11PCS	3.20kg	
305606	R8-ER32-40-6PCS	6-20	ER32 6PCS	2.90kg	
305608	R8-ER40-70-23PCS	4-26	ER40 23PCS	7.30kg	
305610	R8-ER40-70-15PCS	4-26	ER40 15PCS	6.10kg	
305612	R8-ER40-70-7PCS	6-25	ER40 7PCS	4.60kg	

铣削
刀柄
系统

SK
高速
高精

HM
液压

SR
烧结
刀柄

ADS
后拉
刀柄

强力
刀柄

ER
刀柄

OZ
刀柄

攻牙
刀柄

钻
夹头
刀柄

平面
铣
刀柄

莫氏
刀柄

侧固
刀柄

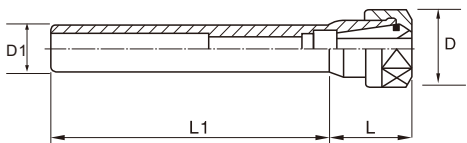
油路
刀柄

ER延长杆(经济型)

ER STRAIGHT SHANK

C/ER 直柄弹性筒夹本体 (A型)

Straight Shank

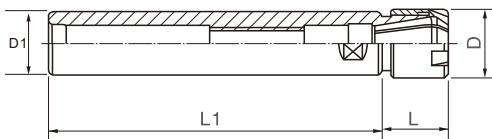


单位: mm

订购编号 Order No.	型号 Model	L1	D1	L	D	型式	价格 Price				
305700	C20-ER16-50	50	20	30	28	ER16	485				
305702	C20-ER16-100	100					535				
305704	C20-ER16-150	150					645				
305706	C20-ER20-50	50	20	36	34	ER20	485				
305708	C20-ER20-100	100					535				
305710	C20-ER25-50	50					590				
305712	C20-ER25-100	100	20	46	42	ER25	645				
305714	C20-ER25-150	150					755				
305716	C25-ER16-100	100					25	30	28	ER16	535
305718	C25-ER16-150	150	645								
305720	C25-ER20-150	150	645								
305722	C25-ER25-100	100	25	46	42	ER25	645				
305724	C25-ER25-150	150					755				
305726	C25-ER32-80	80					700				
305728	C25-ER40-100	100	32	54	50	ER32	700				
305730	C32-ER25-60	60					40	54	50	ER32	645
305732	C32-ER32-100	100									755
305734	C32-ER40-100	100	965								
305736	C40-ER32-100	100	40	54	50	ER32	805				
305738	C40-ER40-100	100					965				

C/ER 直柄弹性筒夹本体 (M型)

Straight Shank



单位: mm

订购编号 Order No.	型号 Model	L1	D1	L	D	型式	价格 Price
305800	C16-ER11-50M	50	16	12	28	ER11	485
305802	C16-ER11-100M	100					535
305804	C20-ER16-50M	50	20	18	22	ER16	485
305806	C20-ER16-100M	100					535
305808	C20-ER16-150M	150					645
305810	C20-ER20-50M	50	20	19	28	ER20	485
305812	C20-ER20-100M	100					535
305814	C20-ER20-150M	150					645
305816	C25-ER20-50M	50	25	19	28	ER20	485
305818	C25-ER20-100M	100					535
305820	C25-ER20-150M	150					645

ST/ER 铣床夹头组 Milling chuck group



订购编号 Order No.	型号 Model	Set Range	Collet	重量 N.W.	价格 Price
305900	ST16-ER11-50-13PCS	1-7	ER11 13PCS	0.60kg	
305902	ST16-ER11-50-7PCS	1-7	ER11 7PCS	0.50kg	
305904	ST16-ER11-100-13PCS	1-7	ER11 13PCS	1.70kg	
305906	ST16-ER11-100-7PCS	1-7	ER11 7PCS	1.60kg	
305908	ST16-ER16-100-10PCS	1-10	ER16 10PCS	1.00kg	
305910	ST16-ER16-100-8PCS	3-10	ER16 8PCS	1.00kg	
305912	ST20-ER16-50-10PCS	1-10	ER16 10PCS	1.05kg	
305914	ST20-ER16-50-8PCS	3-10	ER16 8PCS	1.00kg	
305916	ST20-ER16-100-10PCS	1-10	ER16 10PCS	1.10kg	
305918	ST20-ER16-100-8PCS	3-10	ER16 8PCS	1.05kg	
305920	ST20-ER16-150-10PCS	1-10	ER16 10PCS	1.20kg	
305922	ST20-ER16-150-8PCS	3-10	ER16 8PCS	1.15kg	
305924	ST25-ER16-50-10PCS	1-10	ER16 10PCS	1.10kg	
305926	ST25-ER16-50-8PCS	3-10	ER16 8PCS	1.05kg	
305928	ST25-ER16-100-10PCS	1-10	ER16 10PCS	1.20kg	
305930	ST25-ER16-100-8PCS	3-10	ER16 8PCS	1.15kg	
305932	ST25-ER16-150-10PCS	1-10	ER16 10PCS	1.35kg	
305934	ST25-ER16-150-8PCS	3-10	ER16 8PCS	1.30kg	
305936	ST20-ER20-50-12PCS	2-13	ER20 12PCS	1.20kg	
305938	ST20-ER20-50-10PCS	4-13	ER20 10PCS	1.15kg	
305940	ST20-ER20-100-12PCS	2-13	ER20 12PCS	1.30kg	
305942	ST20-ER20-100-10PCS	4-13	ER20 10PCS	1.25kg	
305944	ST20-ER20-150-12PCS	2-13	ER20 12PCS	1.40kg	
305946	ST20-ER20-150-10PCS	4-13	ER20 10PCS	1.35kg	
305948	ST25-ER20-50-12PCS	2-13	ER20 12PCS	1.30kg	
305950	ST25-ER20-50-10PCS	4-13	ER20 10PCS	1.25kg	
305952	ST25-ER20-100-12PCS	2-13	ER20 12PCS	1.40kg	
305954	ST25-ER20-100-10PCS	4-13	ER20 10PCS	1.35kg	
305956	ST25-ER20-150-12PCS	2-13	ER20 12PCS	1.50kg	
305958	ST25-ER20-150-10PCS	4-13	ER20 10PCS	1.45kg	
305960	ST20-ER25-50-15PCS	2-16	ER25 15PCS	2.40kg	
305962	ST20-ER25-50-7PCS	4-16	ER25 7PCS	1.90kg	
305964	ST20-ER25-100-15PCS	2-16	ER25 15PCS	2.40kg	
305966	ST20-ER25-100-7PCS	4-16	ER25 7PCS	1.90kg	
305968	ST20-ER25-150-15PCS	2-16	ER25 15PCS	2.50kg	
305970	ST20-ER25-150-7PCS	4-16	ER25 7PCS	2.00kg	
305972	ST25-ER25-100-15PCS	2-16	ER25 15PCS	2.50kg	
305974	ST25-ER25-100-7PCS	4-16	ER25 7PCS	2.00kg	
305976	ST25-ER25-150-15PCS	2-16	ER25 15PCS	2.65kg	
305978	ST25-ER25-150-7PCS	4-16	ER25 7PCS	2.20kg	
305980	ST32-ER25-60-15PCS	2-16	ER25 15PCS	2.50kg	
305982	ST32-ER25-60-7PCS	4-16	ER25 7PCS	2.00kg	
305984	ST25-ER32-80-18PCS	3-20	ER32 18PCS	4.10kg	
305986	ST25-ER32-80-11PCS	4-20	ER32 11PCS	3.00kg	
305988	ST25-ER32-100-6PCS	6-20	ER32 6PCS	2.70kg	
305990	ST32-ER32-100-18PCS	3-20	ER32 18PCS	4.30kg	
305992	ST32-ER32-100-11PCS	4-20	ER32 11PCS	3.20kg	
305994	ST32-ER32-100-6PCS	6-20	ER32 6PCS	2.90kg	
305996	ST40-ER32-100-18PCS	3-20	ER32 18PCS	4.50kg	
305998	ST40-ER32-100-11PCS	4-20	ER32 11PCS	3.40kg	
306000	ST40-ER32-100-6PCS	6-20	ER32 6PCS	3.10kg	
306002	ST32-ER40-100-23PCS	4-26	ER40 23PCS	7.30kg	
306004	ST32-ER40-100-15PCS	4-26	ER40 15PCS	6.10kg	
306006	ST32-ER40-100-7PCS	6-25	ER40 7PCS	4.60kg	
306008	ST40-ER40-100-23PCS	4-26	ER40 23PCS	7.60kg	
306010	ST40-ER40-100-15PCS	4-26	ER40 15PCS	6.50kg	
306012	ST40-ER40-100-7PCS	6-25	ER40 7PCS	5.00kg	

ST/ER 铣床夹头组 Milling chuck group



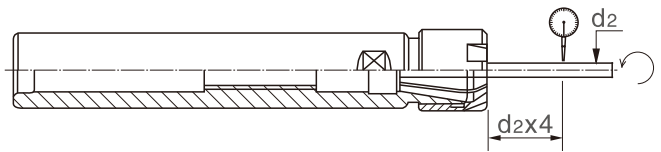
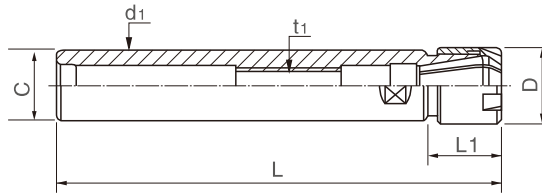
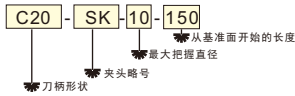
订购编号 Order No.	型号 Model	Set Range	Collet	重量 N.W.	价格 Price
306100	ST16-ER11M-50-13PCS	1-7	ER11 13PCS	0.60kg	
306102	ST16-ER11M-100-13PCS	1-7	ER11 13PCS	0.70kg	
306104	ST16-ER16M-100-10PCS	1-10	ER16 10PCS	1.00kg	
306106	ST20-ER16M-50-10PCS	1-10	ER16 10PCS	1.05kg	
306108	ST20-ER16M-100-10PCS	1-10	ER16 10PCS	1.10kg	
306110	ST20-ER16M-150-10PCS	1-10	ER16 10PCS	1.20kg	
306112	ST25-ER16M-100-10PCS	1-10	ER16 10PCS	1.20kg	
306114	ST25-ER16M-150-10PCS	1-10	ER16 10PCS	1.35kg	
306116	ST20-ER20M-50-12PCS	2-13	ER20 12PCS	1.20kg	
306118	ST20-ER20M-100-12PCS	2-13	ER20 12PCS	1.30kg	
306120	ST20-ER20M-150-12PCS	2-13	ER20 12PCS	1.40kg	
306122	ST25-ER20M-100-12PCS	2-13	ER20 12PCS	1.40kg	
306124	ST25-ER20M-150-12PCS	2-13	ER20 12PCS	1.50kg	

C-ER-M直柄ER筒夹延长杆

C-ER-M STRAIGHT SHANK ER COLLET CHUCK HOLDER



型号说明 Model explanation



订购编号 Order No.	型号 Model	把握直径 Chuck Dia	D	C	L1	L	螺帽 nut	筒夹 Collet	扳手 spanner	单价 PRICE (RMB)
306200	C12-ER11-100M	2.0~7.0	16	12	16.6	100	ER11M	ER11	ER11M	350
306202	-ER11-150M				16.6	150				400
306204	C16-ER11-100M	2.0~7.0	16	16	16.6	100	ER11M	ER11	ER11M	350
306206	-ER11-150M				16.6	150				400
306208	-ER16-100M	3.0~10	22	16	25	100	ER16M	ER16	ER16M	300
306210	-ER16-150M				25	150				350
306212	-ER16-200M				25	200				400
306214	-ER20-100M	3.0~13	28	20	40	100	ER20M	ER20	ER20M	300
306216	-ER20-150M				40	150				350
306218	C20-ER16-100M	3.0~10	22	20	40	100	ER16M	ER16	ER16M	300
306220	-ER16-150M				40	150				350
306222	-ER20-100M	3.0~13	28	20	40	100	ER20M	ER20	ER20M	300
306224	-ER20-150M				40	150				350
306226	-ER25-100M	3.0~16.0	35	25	40	100	ER25UM	ER25	ER25UM	400
306228	-ER25-150M				50	150				450
306230	C25-ER20-100M	3.0~13	28	25	40	100	ER20M	ER20	ER20M	350
306232	-ER20-150M				40	150				400
306234	-ER25-100M	3.0~16.0	35	25	50	100	ER25UM	ER25	ER25UM	400
306236	-ER25-150M				50	150				450

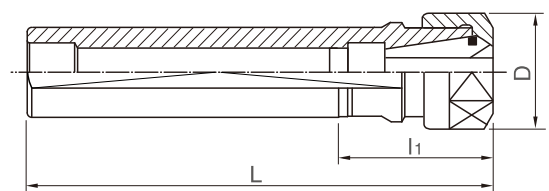
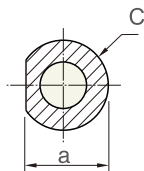
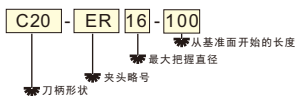
ER延长杆(车床用)

ER EXTENSION (FOR LATHE)

C20 - ER 16 - 100



型号说明 Model explanation



订购编号 Order No.	型号 Model	尺寸 Size					螺帽 nut	筒夹 Colletnut	扳手 Spanner	单价 PRICE (RMB)
		L	L1	a	D	C				
306300	C20-ER16-100A	100	30	19	28	20	ER16A	ER16	ER16A	350
306302	C20-ER20-100A	100	30	19	34	20	ER20A	ER20	ER20A	350
306304	C25-ER20-100A	100	30	24	34	25	ER20A	ER20	ER20A	400
306306	C20-ER11-100A	100	30	19	19	20	ER11A	ER11	ER11A	400
306308	C25-ER11-100A	100	30	29	19	25	ER11A	ER11	ER11A	450
306310	C25-ER16-100M	100	30	19	22	20	ER16M	ER16	ER16M	400
306312	C32-ER20-100M	100	30	19	28	20	ER20M	ER20	ER20M	450
306314	C25-ER20-100M	100	30	24	28	25	ER20M	ER20	ER20M	400

铣削
刀柄
系统

SK
高速
高精

HM
液压

SR
烧结
刀柄

ADS
后拉
刀柄

强力
刀柄

ER
刀柄

OZ
刀柄

攻牙
刀柄

钻
夹头
刀柄

平面
铣
刀柄

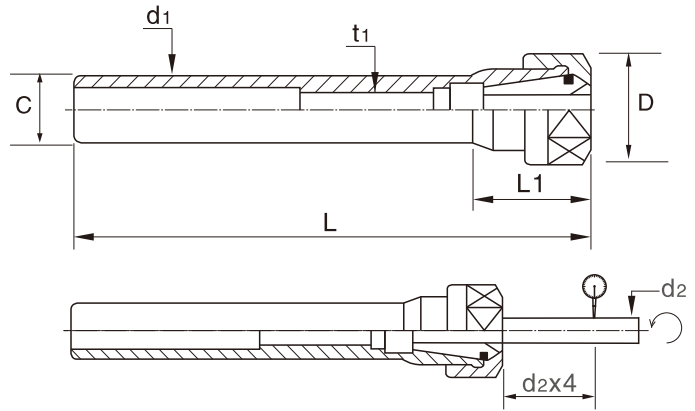
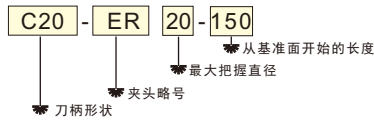
莫氏
刀柄

侧固
刀柄

油路
刀柄

C-ER-A直柄ER筒夹延长杆 C-ER-A STRAIGHT SHANK ER COLLET CHUCK HOLDER

型号说明 Model explanation



- 铣削刀柄系统
- SK 高速高精
- HM 液压
- SR 烧结刀柄
- ADS 后拉刀柄
- 强力刀柄
- ER 刀柄
- OZ 刀柄
- 攻牙刀柄
- 钻头夹头刀柄
- 平面铣刀柄
- 莫氏刀柄
- 侧固刀柄
- 油路刀柄

订购编号 Order No.	型号 Model	把握直径 Chuck Dia	D	C	L1	L	螺帽 nut	筒夹 Collet	扳手 spanner	单价 PRICE (RMB)
306400	C12-ER11-50	2.0~7	16.8	12	16.6	50	ER11A	ER11	ER11A	350
306402	-ER11-100				16.6	100				350
306404	C16-ER11-50	2.0~7	16.8	16	16.6	50	ER11A	ER11	ER11A	350
306406	-ER11-100				16.6	100				350
306408	-ER11-150				16.6	150				400
306410	-ER16-100				40.0	100				300
306412	-ER16-150	3.0~10	24.9	16	40.0	150	ER16A	ER16	ER16A	350
306414	-ER16-200				40.0	200				400
306416	-ER20-100	3.0~13	29.8	20	40.0	100	ER20A	ER20	ER20A	300
306418	-ER20-150				40.0	150				350
306420	C20-ER11-100	2.0~7	16.8	20	16.6	100	ER11A	ER11	ER11A	400
306422	-ER11-150				16.6	150				400
306424	-ER11-200				16.6	200				500
306426	-ER16-100	3.0~10	24.9	20	40.0	100	ER16A	ER16	ER16A	300
306428	-ER16-150				40.0	150				350
306430	-ER16-200				40.0	200				400
306432	-ER20-100				40.0	100				300
306434	-ER20-150	3.0~13	29.8	20	40.0	150	ER20A	ER20	ER20A	350
306436	-ER20-200				40.0	200				400
306438	-ER25-100	3.0~16	42	25	50.0	100	ER25UM	ER25	ER25UM	350
306440	-ER25-150				50.0	150				400
306442	C25-ER16-100				40.0	100				350
306444	-ER16-150	3.0~10	24.9	20	40.0	150	ER16A	ER16	ER16A	400
306446	-ER16-200				40.0	200				450
306448	-ER20-100				40.0	100				400
306450	-ER20-150	3.0~13	29.8	25	40.0	150	ER20A	ER20	ER20A	450
306452	-ER20-200				40.0	200				500
306454	-ER25-100	3.0~16	42	25	50.0	100	ER25UM	ER25	ER25UM	400
306456	-ER25-150				50.0	150				450
306458	-ER25-200				50.0	200				500
306460	C25-ER20-150	3.0~13	29.8	32	40.0	150	ER20A	ER20	ER20A	450
306462	-ER20-200				40.0	200				500
306464	-ER25-150	3.0~16	42	32	50.0	150	ER25UM	ER25	ER25UM	500
306466	-ER25-200				50.0	200				550
306468	-ER32-150	3.0~20	50	32	65.0	150	ER32UM	ER32	ER32UM	550
306470	-ER32-200				65.0	200				600
306472	-ER40-150	6.0~26	63	42	65.0	150	ER40UM	ER40	ER40UM	600
306474	C42-ER32-100	3.0~20	50	42	65.0	100	ER32UM	ER32	ER32UM	600
306476	-ER40-100				6.0~26	63				65.0

铣削
刀柄
系统

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高速
高精

HM
液压

SR
烧结
刀柄

ADS
后拉
刀柄

强力
刀柄

ER
刀柄

OZ
刀柄

攻牙
刀柄

钻
夹头
刀柄

平面
铣
刀柄

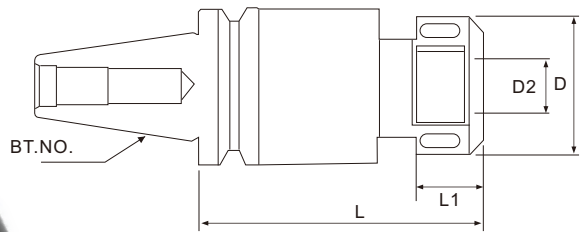
莫氏
刀柄

侧固
刀柄

油路
刀柄

OZ立铣刀刀柄

OZ COLLET CHUCK



OZ25

订购时,请确认拉杆螺丝规格为公制或英制。

单位:mm

订购编号 Order No.	型号 Model	L	D	Collet	Draw Bar	重量 N. W.	价格 Price
306500	NT30-OZ25-70	70	60	OZ25	M12(M12*1.75P) A04(1/2"-12) A05(1/2"-13)	1.00kg	925
306502	NT40-OZ25-70	70	60	OZ25	M16(M16*2.0P) A06(5/8"-11)	1.30kg	925
306504	NT50-OZ25-73	73	60	OZ25	M24(M24*3.0P) A07(1"-8)	3.20kg	1300
306506	MTB2-OZ25-85	85	60	OZ25	M10(M10*1.5P)	1.00kg	925
306508	MTB3-OZ25-70	70	60	OZ25	M10(M10*1.5P) M12(M12*1.75P) A04(1/2"-12) A05(1/2"-13) A02(3/8"-16)	1.00kg	925
306510	MTB4-OZ25-70	70	60	OZ25	M16(M16*2.0P) A06(5/8"-11)	1.20kg	925
306512	MTB5-OZ25-65	65	60	OZ25	M24(M24*3.0P) A07(1"-8)	2.00kg	1165
306514	R8-OZ25-70	70	60	OZ25	7/16"-20	1.20kg	925
306516	BT30-OZ25-70	70	60	OZ25	M12*1.75P	0.90kg	1085
306518	BT40-OZ25-80	80	60	OZ25	M16*2.0P	1.50kg	1100
306520	BT50-OZ25-100	100	60	OZ25	M24*3.0P	4.30kg	1795
306522	SK40-OZ25-80	80	60	OZ25	M16*2.0P	1.90kg	1220
306524	SK50-OZ25-100	100	60	OZ25	M24*3.0P	4.20kg	1855
306526	CAT40-OZ25-3"	3"	60	OZ25	5/8"-11	1.90kg	1220
306528	CAT50-OZ25-3 1/2"	3 1/2"	60	OZ25	1"-8	4.00kg	1850

OZ32

306600	NT30-OZ32-100	100	78	OZ32	M12(M12*1.75P) A04(1/2"-12)	2.00kg	1455
306602	NT40-OZ32-85	85	78	OZ32	M16(M16*2.0P) A06(5/8"-11)	2.20kg	1455
306604	NT50-OZ32-80	80	78	OZ32	M24(M24*3.0P) A07(1"-8)	4.80kg	1650
306606	MTB5-OZ32-100	100	78	OZ32	M24(M24*3.0P) A07(1"-8)	3.00kg	1500
306608	BT40-OZ32-90	90	78	OZ32	M16*2.0P	2.30kg	1520
306610	BT50-OZ32-100	100	78	OZ32	M24*3.0P	5.00kg	2285
306612	BT50-OZ32-150	150	78	OZ32	M24*3.0P	6.00kg	2595
306614	SK40-OZ32-80	80	78	OZ32	M16*2.0P	2.30kg	1580
306616	SK50-OZ32-100	100	78	OZ32	M24*3.0P	5.00kg	2345
306618	CAT40-OZ32-3"	3"	78	OZ32	5/8"-11	2.30kg	1580
306620	CAT50-OZ32-3 1/2"	3 1/2"	78	OZ32	1"-8	5.00kg	2345

铣削
刀柄
系统

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高速
高精

HM
液压

SR
烧结
刀柄

ADS
后拉
刀柄

强力
刀柄

ER
刀柄

OZ
刀柄

攻牙
刀柄

钻
夹头
刀柄

平面
铣
刀柄

莫氏
刀柄

侧固
刀柄

油路
刀柄

OZ25 铣床夹头组

Collets Chuck Kit

套装公制筒夹型号

7PCS:6, 8, 10, 12, 16, 20, 25

15PCS:3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 16, 18, 20, 25



订购编号 Order No.	型号 Model	个数 Number	拉杆螺纹	重量 N.W.	价格 Price
306700	NT30-OZ25	7	M12(M12*1.75P)	3.7kg	
306702	NT30-OZ25	15	A04(1/2"-12) A05(1/2"-13)	5.2kg	
306704	NT40-OZ25	7	M16(M16*2.0P)A06(5/8"-11)	4.0kg	
306706	NT40-OZ25	15		5.5kg	
306708	NT50-OZ25	7	M24(M24*3.0P)A07(1"-8)	6.5kg	
306710	NT50-OZ25	15		8.5kg	
306712	MTB2-OZ25	7	M10(M10*1.5P)A02(3/8"-16)	3.6kg	
306714	MTB2-OZ25	15		5.1kg	
306716	MTB3-OZ25	7	M10(M10*1.5P) M12(M12*1.75P) A04(1/2"-12) A05(1/2"-13) A02(3/8"-16)	3.7kg	
306718	MTB3-OZ25	15		5.2kg	
306720	MTB4-OZ25	7	M16(M16*2.0P) A06(5/8"-11)	3.9kg	
306722	MTB4-OZ25	15		5.4kg	
306724	MTB5-OZ25	7	M24(M24*3.0P)A07(1"-8)	4.7kg	
306726	MTB5-OZ25	15		6.2kg	
306728	R8-OZ25	7	7/16"-20	3.7kg	
306730	R8-OZ25	15		5.2kg	
306732	BT40-OZ25	7		4.4kg	
306734	BT40-OZ25	15		5.9kg	
306736	BT50-OZ25	7		7.5kg	
306738	BT50-OZ25	15		9.5kg	
306740	SK40-OZ25	7	DIN69871A40 M16*2.0P	4.2kg	
306742	SK40-OZ25	15		5.7kg	
306744	SK50-OZ25	7	DIN69871A50 M24*3.0P	7.3kg	
306746	SK50-OZ25	15		9.3kg	

OZ32 铣床夹头组

Collets Chuck Kit

套装公制筒夹型号

8PCS:6, 8, 10, 12, 16, 20, 25, 32

15PCS:6, 8, 10, 12, 13, 14, 15, 16, 18, 20, 22, 25, 26, 30, 32



订购编号 Order No.	型号 Model	个数 Number	拉杆螺纹	重量 N. W.	价格 Price
306800	NT30-OZ32	8	M12(M12*1.75P)	7.0kg	
306802	NT30-OZ32	15	A04(1/2"-12) A05(1/2"-13)	9.0kg	
306804	NT40-OZ32	8	M16(M16*2.0P)A06(5/8"-11)	7.2kg	
306806	NT40-OZ32	15		9.2kg	
306808	NT50-OZ32	8	M24(M24*3.0P)A07(1"-8)	9.8kg	
306810	NT50-OZ32	15		11.8kg	
306812	MTB5-OZ32	8	M24(M24*3.0P)A07(1"-8)	8.0kg	
306814	MTB5-OZ32	15		10.0kg	
306816	BT40-OZ32	8		7.4kg	
306818	BT40-OZ32	15		9.4kg	
306820	BT50-OZ32	8		10.0kg	
306822	BT50-OZ32	15		12.0kg	
306824	SK40-OZ32	8	DIN69871A40 M16*2.0P	7.2kg	
306826	SK40-OZ32	15		9.2kg	
306828	SK50-OZ32	8	DIN69871A50 M24*3.0P	9.8kg	
306830	SK50-OZ32	15		11.8kg	

铣削
刀柄
系统

SK
高速
高精

HM
液压

SR
烧结
刀柄

ADS
后拉
刀柄

强力
刀柄

ER
刀柄

OZ
刀柄

攻牙
刀柄

钻
夹头
刀柄

平面
铣
刀柄

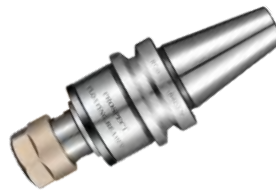
莫氏
刀柄

侧固
刀柄

油路
刀柄

FDER 径向浮动铰孔刀柄

Radial Floating Reaming Tool Holder



径向浮动攻牙刀柄

Radial Floating Tapping Tool Holder



铣削
刀柄
系统

SK
高速
高精

HM
液压

SR
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夹头
刀柄

平面
铣
刀柄

莫氏
刀柄

侧固
刀柄

油路
刀柄

型号 Model No .	单价 Price
C10-FDER11-50-D22	
C12-FDER11-50-D22	
C16-FDER11-50-D22	
C16-FDER16-55-D39	
C16-FDER16-65-D58	
C16-FDER20-55-D39	
C16-FDER20-65-D58	
C16-FDER25-65-D58	
C20-FDER11-25-D19	
C20-FDER11-50-D22	
C20-FDER16-55-D39	
C20-FDER16-65-D58	
C20-FDER20-55-D39	
C20-FDER20-65-D58	
C20-FDER25-65-D58	
C20-FDER32-75-D66	
C22-FDER11-25-D19	
C22-FDER11-50-D22	
C25-FDER11-25-D19	
C25-FDER16-65-D58	
C25-FDER20-65-D58	
C25-FDER25-65-D58	
C25-FDER32-75-D66	
C32-FDER16-65-D58	
C32-FDER20-65-D58	
C32-FDER25-65-D58	
C32-FDER32-75-D66	

型号 Model No .	单价 Price
C3/4"-FDER11-25-D19	
C3/4"-FDER11-50-D22	
C3/4"-FDER16-55-D39	
C3/4"-FDER20-55-D39	
C1"-FDER11-25-D19	
B16-FDER16-65-D58	
B16-FDER20-65-D58	
B16-FDER25-65-D58	
B18-FDER16-65-D58	
B18-FDER20-65-D58	
B18-FDER25-65-D58	
JT6-FDER16-65-D58	
JT6-FDER20-65-D58	
JT6-FDER25-65-D58	
BT30-FDER16-76-D39	
BT30-FDER20-76-D39	
BT30-FDER32-86-D66	
BT40-FDER20-86-D58	
BT40-FDER25-86-D58	
BT40-FDER32-86-D66	

通水型

型号 Model No .	单价 Price
BT30-FDER32T-130-D69	
BT40-FDER32T-135-D69	
C16-FDER11T-50-D25	
C16-FDER16T-60-D39	
C16-FDER20T-60-D39	
C20-FDER11T-50-D25	
C20-FDER16T-60-D39	
C20-FDER20T-60-D39	
C22-FDER11T-50-D25	
C22-FDER16T-60-D39	
C22-FDER20T-60-D39	
C25-FDER16T-60-D39	
C25-FDER20T-60-D39	
C25-FDER32T-90-D69	

侧固式



型号 Model No .	单价 Price
C20-FDCG20-83-D66	
C20-FDCG25-83-D66	
C25-FDCG20-83-D66	
C25-FDCG25-83-D66	
C32-FDCG20-83-D66	
C32-FDCG25-83-D66	
BT30-FDCG20-113-D66	
BT30-FDCG25-113-D66	
BT40-FDCG20-115-D66	
BT40-FDCG25-115-D66	

攻牙刀柄

型号 Model No .	单价 Price
C16-FDG3-80-D58	
C20-FDG3-80-D58	
C25-FDG3-80-D58	
JT6-FDG3-80-D58	
B16-FDG3-80-D58	
B18-FDG3-80-D58	

万向去毛刺刀柄



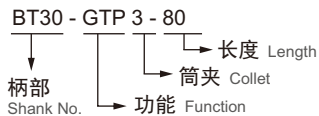
型号 Model No .	单价 Price
C20-UFER16-100-D62	
C25-UFER16-100-D62	



型号 Model No .	单价 Price
BT30-UFER16-135-D62	
BT40-UFER16-140-D62	
BT50-UFER16-150-D62	
JT40-UFER16-135-D62	

GTP 扭力伸缩攻牙保护刀柄

Torsion Telescopic Tapping Protection Holder



型号 Model No .	单价 Price
MTA3-GTP3-90	
MTA4-GTP3-90	
MTA4-GTP12-110	
MTA5-GTP12-110	
MTA5-GTP24-140	

型号 Model No .	单价 Price
JT30-GTP3-60	
JT40-GTP3-58	
JT40-GTP12-138	
JT50-GTP3-58	
JT50-GTP12-89	
JT50-GTP24-150	



型号 Model No .	单价 Price
BT30-GTP3-80	
BT40-GTP3-85	
BT40-GTP12-122	
BT50-GTP3-95	
BT50-GTP12-132	
BT50-GTP24-150	

型号 Model No .	单价 Price
HSK63A-GTP3-105	
HSK63A-GTP12-140	
HSK100A-GTP3-110	
HSK100A-GTP12-120	
HSK100A-GTP24-140	

型号 Model No .	单价 Price
CAT30-GTP3-65	
CAT40-GTP3-65	
CAT40-GTP12-135	
CAT50-GTP3-70	
CAT50-GTP12-150	
CAT50-GTP24-150	

型号 Model No .	单价 Price
C16-GTP3-86	
C20-GTP3-86	
C25-GTP3-86	
C32-GTP3-86	
C25-GTP12-130	
C32-GTP12-130	

攻牙保护刀柄

Thread Protection Toolholder for Machining

G 柔性伸缩攻牙保护刀柄

Flexible Telescopic Tapping Protection Tool Holder



型号 Model No .	单价 Price
BT30-G3-105-D19	
BT40-G3-90-D19	
BT40-G3-180-D19	
BT50-G3-100-D19	
BT50-G3-200-D19	
BT40-G12-145-D30	
BT40-G12-145-D31	
BT50-G12-140-D30	
BT50-G12-140-D31	
BT50-G12-210-D30	
BT50-G12-210-D31	
BT50-G24-175-D45	

型号 Model No .	单价 Price
C16-60-G3-90-D19	
C20-60-G3-90-D19	
C20-100-G3-90-D19	
C25-60-G3-90-D19	
C32-60-G3-90-D19	
C25-100-G12-120-D30	
C25-100-G12-125-D31	
C32-70-G12-120-D30	
C32-70-G12-120-D31	



型号 Model No .	单价 Price
BT30-G3-300-D19	
BT40-G3-300-D19	
BT40-G3-400-D19	
BT40-G3-500-D19	
BT50-G3-300-D19	
BT50-G3-400-D19	
BT50-G3-500-D19	

型号 Model No .	单价 Price
HSK63A-G3-90-D19	
HSK63A-G12-125-D30/31	
HSK100A-G3-125-D19	
HSK100A-G12-150-D30/31	
HSK100A-G24-167-D45	

型号 Model No .	单价 Price
B12-G3-66-D19	
B16-G3-66-D19	
B18-G3-74-D19	
JT2-G3-66-D19	
JT6-G3-66-D19	
C14-G3-66-D19	
C20-G3-74-D19	

型号 Model No .	单价 Price
B18-G12-94.5-D30	
B18-G12-99.5-D31	
B22-G12-94.5-D30	
B22-G12-99.5-D31	
C20-G12-94.5-D30	
C20-G12-99.5-D31	



型号 Model No .	单价 Price
MTA2-G3-90-D19	
MTA3-G3-90-D19	
MTA4-G3-90-D19	
MTA5-G3-90-D19	
MTA3-G12-120-D30	
MTA3-G12-125-D31	
MTA4-G12-120-D30	
MTA4-G12-125-D31	
MTA5-G12-120-D30	
MTA5-G12-125-D31	
MTA5-G24-140-D45	

型号 Model No .	单价 Price
MTB2-G3-90-D19	
MTB3-G3-90-D19	
MTB4-G3-90-D19	
MTB3-G12-120-D30	
MTB3-G12-125-D31	
MTB4-G12-120-D30	
MTB4-G12-125-D31	

型号 Model No .	单价 Price
JT30-G3-78-D19	
JT40-G3-82-D19	
JT50-G3-78-D19	
JT40-G12-140-D30	
JT40-G12-140-D31	
JT50-G12-125-D30	
JT50-G12-125-D31	
JT50-G24-155-D45	

型号 Model No .	单价 Price
NT30-G3-107-D19	
NT40-G3-75-D19	
NT50-G3-80-D19	
NT40-G12-128-D30	
NT40-G12-134-D31	
NT50-G12-108-D30	
NT50-G12-113-D31	
NT50-G24-150-D45	

铣削
刀柄
系统

SK
高速
高精

HM
液压

SR
烧结
刀柄

ADS
后拉
刀柄

强力
刀柄

ER
刀柄

OZ
刀柄

攻牙
刀柄

钻
夹头
刀柄

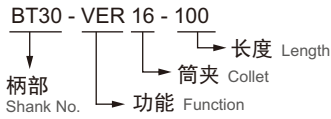
平面
铣
刀柄

莫氏
刀柄

侧固
刀柄

油路
刀柄

VER 微伸缩攻牙保护刀柄 Micro Telescopic Tapping Protection Tool Holder

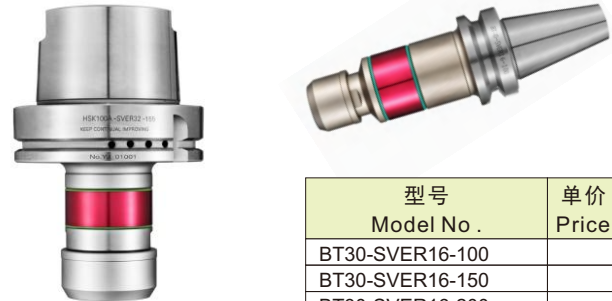
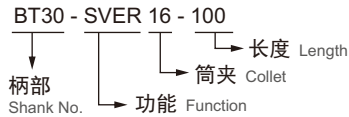


型号 Model No.	单价 Price
HSK63A-VER16-116	
HSK63A-VER20-117	
HSK63A-VER25-118	
HSK63A-VER32-119	
HSK100A-VER16-125	
HSK100A-VER20-135	
HSK100A-VER25-145	
HSK100A-VER32-155	

型号 Model No.	单价 Price
C20-VER16-86	
C20-VER20-87	
C20-VER25-88	
C20-VER32-90	
C25-VER16-86	
C25-VER20-87	
C25-VER25-88	
C25-VER32-90	
C32-VER16-86	
C32-VER20-87	
C32-VER25-89	
C32-VER32-90	

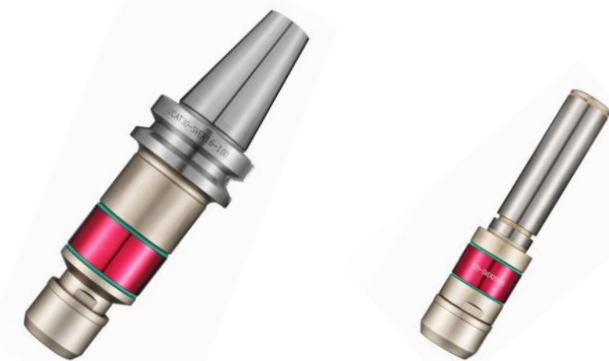
型号 Model No.	单价 Price
BT30-VER16-100	
BT30-VER20-102	
BT30-VER25-103	
BT30-VER32-105	
BT40-VER16-105	
BT40-VER20-106	
BT40-VER25-108	
BT40-VER32-110	
BT50-VER16-110	
BT50-VER20-112	
BT50-VER25-113	
BT50-VER32-115	

SVER 微伸缩同步攻牙保护刀柄 Micro Telescopic Synchronous Tapping Protection Tool Holder



型号 Model No.	单价 Price
BT30-SVER16-100	
BT30-SVER16-150	
BT30-SVER16-200	
BT30-SVER20-100	
BT30-SVER20-150	
BT30-SVER20-200	
BT30-SVER25-100	
BT30-SVER25-150	
BT30-SVER25-200	
BT30-SVER32-150	
BT30-SVER32-200	
BT40-SVER16-100	
BT40-SVER16-150	
BT40-SVER16-200	
BT40-SVER20-100	
BT40-SVER20-150	
BT40-SVER20-200	
BT40-SVER25-100	
BT40-SVER25-150	
BT40-SVER25-200	
BT40-SVER32-150	
BT40-SVER32-200	
BT50-SVER16-100	
BT50-SVER16-150	
BT50-SVER16-200	
BT50-SVER20-100	
BT50-SVER20-150	
BT50-SVER20-200	
BT50-SVER25-100	
BT50-SVER25-150	
BT50-SVER25-200	
BT50-SVER32-100	
BT50-SVER32-150	
BT50-SVER32-200	

型号 Model No.	单价 Price
HSK63A-SVER16-100	
HSK63A-SVER16-150	
HSK63A-SVER16-200	
HSK63A-SVER20-100	
HSK63A-SVER20-150	
HSK63A-SVER20-200	
HSK63A-SVER25-100	
HSK63A-SVER25-150	
HSK63A-SVER25-200	
HSK63A-SVER32-100	
HSK63A-SVER32-150	
HSK63A-SVER32-200	
HSK100A-SVER16-100	
HSK100A-SVER16-150	
HSK100A-SVER16-200	
HSK100A-SVER20-100	
HSK100A-SVER20-150	
HSK100A-SVER20-200	
HSK100A-SVER25-100	
HSK100A-SVER25-150	
HSK100A-SVER25-200	
HSK100A-SVER32-100	
HSK100A-SVER32-150	
HSK100A-SVER32-200	



型号 Model No.	单价 Price
CAT30-SVER16-100	
CAT30-SVER20-100	
CAT40-SVER16-100	
CAT40-SVER20-100	
CAT40-SVER25-100	
CAT40-SVER32-100	
CAT50-SVER25-100	
CAT50-SVER32-100	

型号 Model No.	单价 Price
C16-SVER16	
C16-SVER20	
C20-SVER16	
C20-SVER20	
C25-SVER16	
C25-SVER20	
C25-SVER25	
C32-SVER25	
C32-SVER32	

铣削
刀柄
系统

SK
高速
高精

HM
液压

SR
烧结
刀柄

ADS
后拉
刀柄

强力
刀柄

ER
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攻牙
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侧固
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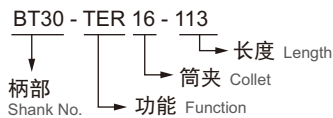
油路
刀柄

攻牙保护刀柄

Thread Protection Toolholder for Machining

TER 刚性攻牙保护刀柄

Rigid Tapping Protection Tool Holder



型号 Model No .	单价 Price
BT30-TER16-113	
BT30-TER16-195	
BT30-TER20-115	
BT30-TER25-120	
BT30-TER32-125	
BT30-TER40-155	
BT40-TER16-108	
BT40-TER16-185	
BT40-TER16-200	
BT40-TER20-110	
BT40-TER20-187	
BT40-TER25-112	
BT40-TER25-189	
BT40-TER32-115	
BT40-TER32-185	
BT40-TER40-145	
BT40-TER40-205	
BT50-TER16-117	
BT50-TER16-168	
BT50-TER16-210	
BT50-TER20-119	
BT50-TER20-170	
BT50-TER20-217	
BT50-TER25-120	
BT50-TER25-172	
BT50-TER25-219	
BT50-TER32-120	
BT50-TER32-168	
BT50-TER32-215	
BT50-TER32-220	
BT50-TER40-142	
BT50-TER40-185	
BT50-TER40-235	



型号 Model No .	单价 Price
HSK63A-TER16-133	
HSK63A-TER16-170	
HSK63A-TER20-134	
HSK63A-TER25-135	
HSK63A-TER32-138	
HSK63A-TER40-160	
HSK100A-TER16-138	
HSK100A-TER16-170	
HSK100A-TER20-139	
HSK100A-TER25-140	
HSK100A-TER32-142	
HSK100A-TER40-164	

型号 Model No .	单价 Price
MTB2-TER16-106	
MTB2-TER20-107	
MTB3-TER16-106	
MTB3-TER20-107	
MTB3-TER25-108	
MTB3-TER32-110	
MTB4-TER16-106	
MTB4-TER20-107	
MTB-TER25-108	
MTB4-TER32-110	

铣削
刀柄
系统

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高速
高精

HM
液压

SR
烧结
刀柄

ADS
后拉
刀柄

强力
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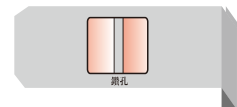
型号 Model No .	单价 Price
MTA2-TER16-106	
MTA2-TER20-107	
MTA3-TER16-106	
MTA3-TER20-107	
MTA3-TER25-108	
MTA3-TER32-110	
MTA4-TER16-106	
MTA4-TER20-107	
MTA4-TER25-108	
MTA4-TER32-110	
MTA5-TER20-110	
MTA5-TER25-120	
MTA5-TER32-130	
MTA5-TER40-131	

型号 Model No .	单价 Price
NT30-TER16-96	
NT30-TER20-101	
NT30-TER25-106	
NT30-TER32-111	
NT30-TER40-136	
NT40-TER16-91	
NT40-TER16-170	
NT40-TER20-92	
NT40-TER25-92	
NT40-TER32-94	
NT40-TER40-114	
NT50-TER16-91	
NT50-TER16-170	
NT50-TER20-92	
NT50-TER25-92	
NT50-TER32-95	
NT50-TER40-115	

型号 Model No .	单价 Price
JT30-TER16-96	
JT30-TER20-101	
JT30-TER25-106	
JT30-TER32-111	
JT30-TER40-136	
JT40-TER16-97	
JT40-TER16-170	
JT40-TER20-98	
JT40-TER25-99	
JT40-TER32-100	
JT40-TER40-120	
JT50-TER16-97	
JT50-TER16-170	
JT50-TER20-98	
JT50-TER25-99	
JT50-TER32-100	
JT50-TER40-120	

型号 Model No .	单价 Price
C16-TER16-106	
C16-TER16-170	
C16-TER20-107	
C16-TER25-108	
C20-TER16-106	
C20-TER16-170	
C20-TER20-107	
C20-TER25-108	
C20-TER32-110	
C25-TER16-106	
C25-TER16-170	
C25-TER20-107	
C25-TER25-108	
C25-TER32-110	
C32-TER16-106	
C32-TER16-170	
C32-TER20-107	
C32-TER25-108	
C32-TER32-114	

BT-APU 一体式钻夹头 BT-APU DRILL CHUCK



铣削
刀柄
系统

SK
高速
高精

HM
液压

SR
烧结
刀柄

ADS
后拉
刀柄

强力
刀柄

ER
刀柄

OZ
刀柄

攻牙
刀柄

钻
夹头
刀柄

平面
铣
刀柄

莫氏
刀柄

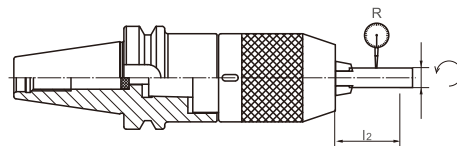
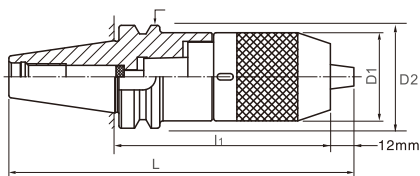
侧固
刀柄

油路
刀柄



- ◆ 请把刀具柄部插到夹头后，使柄部分插入夹头。
刀具时请将刀具的柄径部分全部插入。
- ◆ 特别是小径的情况下，请确认跳动精度。
- ◆ 刀具夹紧时，刀具先插夹头，用手扭紧，最后用专用扳手强力锁紧
- ◆ Please inserts the cutting tool handle department after the caridge, do cause the handle part insertion cartridge. Locks when the cutting tool please completely insert cutting tool's handle diameter part.
- ◆ Specially in trail's situation, please confirm that beats the precision.
- ◆ When the cutting tool clamps, the cutting tool inserts the cartridge first, turns tight with the hand, finally uses the special spanner force to lock.

型号说明 Model explanation



跳动精度 < 0.05MM

订购编号 Order No.	型号 Cat. No.	把握直径 Chucking Dia	D1	D2	L1	L	扳手 spanner 标配品	重量 Weight (KG)	单价 PRICE (RMB)
307100	BT30-APU8-75	0.3~8	37	46	75	128.4	APU8	0.80	1500
307102	BT40-APU8-85	0.3~8	37	63	85	150.4	APU8	1.46	1500
307104	-APU13-110	1~13	50		110	165.4	APU13	2.00	1200
307106	-APU16-120	3~16	57		120	195.4	APU16	2.60	1500
307108	BT50-APU13-110	1~13	50	100	110	201.8	APU13	4.70	1800
307110	-APU16-130	3~16	57		130	236.8	APU16	4.80	2750

APU 高精度钻夹头刀柄

High Precision Drill Chuck Tool Holder



型号 Model No.	单价 Price
BT30-APU08-80	
BT30-APU13-100	
BT30-APU16-110	
BT40-APU08-90	
BT40-APU13-110	
BT40-APU13-150	
BT40-APU13-200	
BT40-APU16-120	
BT40-APU16-150	
BT40-APU16-200	
BT50-APU08-90	
BT50-APU13-110	
BT50-APU13-180	
BT50-APU13-230	
BT50-APU13-300	
BT50-APU16-120	
BT50-APU16-180	
BT50-APU16-230	
BT50-APU16-300	

型号 Model No.	单价 Price
NT30-APU08-80	
NT30-APU13-100	
NT40-APU08-80	
NT40-APU13-95	
NT40-APU16-105	
NT50-APU13-85	
NT50-APU16-100	

型号 Model No.	单价 Price
SK40-APU13-110	
SK40-APU16-110	
SK50-APU13-100	
SK50-APU13-120	
SK50-APU16-120	
SK50-APU16-190	

型号 Model No.	单价 Price
HSK32E-APU08	
HSK40E-APU08	
HSK50E-APU13-140L	
HSK50A-APU08-120	
HSK50A-APU13-140	
HSK63A-APU08-120	
HSK63A-APU13	
HSK63A-APU13-155	
HSK63A-APU16	
HSK63A-APU16-160	
HSK100A-APU13-155	
HSK100A-APU16-160	



型号 Model No.	单价 Price
NBT30-APU08-80	
NBT30-APU13-100	

型号 Model No.	单价 Price
CAT40-APU08-90	
CAT40-APU13-100	
CAT40-APU16-100	
CAT50-APU13-110	
CAT50-APU16-120	

型号 Model No.	单价 Price
ISO20-APU08	
ISO25-APU13	
ISO30-APU08	
ISO30-APU13	
ISO30-APU16	

JM一体式钻夹头

JM DRILL CHUCK

整体式自紧钻夹头
Grated kyies drill chuck



自紧式钻夹头系列
DRILL CHUCK



订购编码 Order Number	型号 Model No.	夹持范围 Clamp Scope		连接尺寸 Mounts	A	B	C	D	E	F	G	重量 Weight kg	单价 Price
		mm	inch		mm	mm	mm	mm	mm	mm	mm		
307130	APU08	0.2~8	1/64"~5/16"	MT2	85	60.5	36	37.5	M6	30	10	0.37	350
307131	APU10	0.2~10	1/64"~3/8"	MT2	94.5	70	41	43	M6	34	13	0.64	350
307132	APU13	0.2~13	1/64"~1/2"	MT3	107	80	48	50.5	M8	38	15	0.92	350
307133	APU16	0.2~16	1/64"~5/8"	MT3	112	85	54	57	M8	43	16	1.26	400

MT:莫氏锥度柄

型号 Model No.	夹持范围 Clamp Scope		连接尺寸 Mounts	长度 Length(mm)			重量 Weight kg	单价 Price
	mm	inch		A	B	D (外径)		
MTA2-APU08	0.2~8	1/64"~5/16"	MTA2	140.5	60.5	37	0.45	
MTA2-APU13	0.2~13	1/64"~1/2"	MTA2	160	80	50.5	1.00	
MTA3-APU13	0.2~13	1/64"~1/2"	MTA3	179	80	50.5	1.08	
MTA4-APU13	0.2~13	1/64"~1/2"	MTA4	205	81	50.5	1.48	
MTA5-APU13	0.2~13	1/64"~1/2"	MTA5	220	80	50.5		
MTA2-APU16	0.2~16	1/64"~5/8"	MTA2	165	85	57	1.30	
MTA3-APU16	0.2~16	1/64"~5/8"	MTA3	184	85	57	1.40	
MTA4-APU16	0.2~16	1/64"~5/8"	MTA4	209	85	57	1.70	
MTA5-APU16	0.2~16	1/64"~5/8"	MTA5	225	85	57		

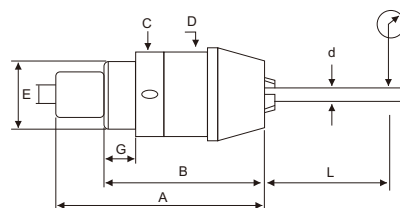
C:直柄

型号 Model No.	夹持范围 Clamp Scope		连接尺寸 Mounts	长度 Length(mm)			重量 Weight kg	单价 Price
	mm	inch		A	B	D (外径)		
C20-APU08	0.2~8	1/64"~5/16"	C20	120.5	60.5	37	0.52	600
C20-APU13	0.2~13	1/64"~1/2"	C20	140	80	50.5	0.98	600
C25-APU13	0.2~13	1/64"~1/2"	C25	160	80	50.5	1.12	700
C32-APU13	0.2~13	1/64"~1/2"	C32	161	81	50.5	1.37	800
C20-APU16	0.2~16	1/64"~5/8"	C20	145	85	57	1.33	600
C25-APU16	0.2~16	1/64"~5/8"	C25	165	85	57	1.48	700
C32-APU16	0.2~16	1/64"~5/8"	C32	165	85	57	1.66	800

R8:不规则柄

型号 Model No.	夹持范围 Clamp Scope		连接尺寸 Mounts	长度 Length(mm)			重量 Weight kg	单价 Price
	mm	inch		A	B	D (外径)		
R8-APU13	0.2~13	1/64"~1/2"	R8	186	81	50.5	1.25	700
R8-APU16	0.2~16	1/64"~5/8"	R8	190	85	57	1.54	800

拥有可搭配不同刀柄座规格之多种选择, 当您使用于综合切削机时可迅速更换。
Multi-choices of arborsspecification offerquickchange on integrated cuttingmachine.



铣削
刀柄
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强力
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ER
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铣
刀柄

莫氏
刀柄

侧固
刀柄

油路
刀柄

J自紧式钻夹头 J DRILL CHUCK

铣削
刀柄
系统

SK
高速
高精

HM
液压

SR
烧结
刀柄

ADS
后拉
刀柄

强力
刀柄

ER
刀柄

OZ
刀柄

攻牙
刀柄

钻
夹头
刀柄

平面
铣
刀柄

莫氏
刀柄

侧固
刀柄

油路
刀柄



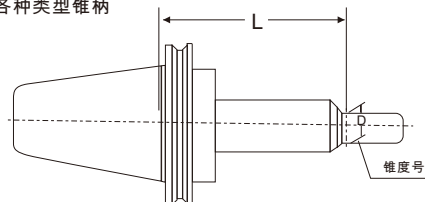
自紧钻夹头
Keyless drill chuck

高速产品

■ 钻夹头刀柄 DRILL CHUCK ARBOR

订购编码 Order Number	型号、规格 Model & Specification	锥度 Taper	D	L	配套钻夹头 Drill Collet Model	单价 Price
307140	□30-Z10-25	B10	10.094	25	J216(0.6~6)	300
307141	-45			45		300
307142	-Z12-25	B12	12.065	25	J2110(1~10)	300
307143	-45			45		300
307144	-Z16-25	B16	15.733	25	J2113(1~13)	300
307145	-45			45		300
307146	□40-Z10-45	B10	10.094	45	J216(0.6~6)	300
307147	-90			90		300
307148	-Z12-45	B12	12.065	45	J2110(1~10)	300
307149	-90			90		300
307150	-Z16-45	B16	15.733	45	J2113(1~13)	300
307151	-90			90		300
307152	-Z18-45	B18	17.780	45	J2116(3~16)	350
307153	-90			90		350
307154	-Z22-45	B22	21.793	45	J2120(5~20)	400
307155	-90			90		400
307156	□50-Z10-45	B10	10.094	45	J216(0.6~6)	600
307157	-105			105		600
307158	-Z12-45	B12	12.065	45	J2110(1~10)	600
307159	-105			105		600
307160	-Z16-45	B16	15.733	45	J2113(1~13)	600
307161	-105			105		600
307162	-Z18-45	B18	17.780	45	J2116(3~16)	650
307163	-105			105		700
307164	-Z22-60	B22	21.793	60	J2120(5~20)	700
307165	-105			105		800

注：□表示各种类型锥柄



J01 SERIES GRATE M TYPE H MORSE、JACQUARD SHORT TAPER STOCK J01系列 M级H型莫氏、贾格短锥连接

订购编码 Order Number	型号 Model	夹持范围 Clamp Scope mm	锥孔号 Tapering Hole Number	锥角 Taper	d mm	l mm	D mm	L mm	L1 mm	重量 Weight kg	检验棒 Check Rod		精度 Precision mm	力矩 N.M	单价 Price
											大棒 Big Rod	小棒 Small Rod			
307170	JM013H	0.2~3	B6	2° 51'26.7"	6.350	10.000	24	45.1	41.5	0.100	3×40	/	0.05	0.8	600
307171		1/64"~1/8"	J10	4° 49'24.7"	6.350	11.112								0.8	600
307172		0.2~4	B10	2° 51'26.7"	10.094	14.500	29	60.8	55	0.190	4×50	/	0.05	1.2	550
307173		1/64"~5/32"	J1	4° 24'53.1"	9.754	16.669								1.2	550
307174		0.2~6	B10	2° 51'26.7"	10.094	14.500	34	70.6	64	0.313	6×50	3×25	0.05	3	400
307175		1/64"~1/4"	J1	4° 24'53.1"	9.754	16.669								3	400
307176		0.2~8	B12	2° 51'26.7"	12.065	18.500	39	80.4	73	0.477	8×50	4×25	0.05	4	350
307177		1/64"~5/16"	J2	4° 40'11.6"	14.199	22.225								4	350
307178		0.2~10	B12	2° 51'26.7"	12.065	18.500	44	90.2	82	0.685	10×75	5×37.5	0.05	6	350
307179		1/64"~3/8"	J2	4° 40'11.6"	14.199	22.225								6	350
307180		0.2~13	B16	2° 51'41.0"	15.733	24.000	49	100.6	91	0.946	13×100	6×50	0.07	12	300
307181		1/64"~1/2"	J33	3° 38'13.4"	15.850	25.400								12	300
307182		0.2~16	B18	2° 51'41.0"	17.780	32.000	54	112.2	102	1.270	16×100	8×50	0.07	14	350
307183		1/64"~5/8"	J6	2° 58'24.8"	17.170	25.400								14	350
307184		0.2~20	B22	2° 52'31.5"	21.793	40.500	59	131.5	119	1.717	20×125	10×62.5	0.07	16	500
307185		1/64"~3/4"	J3	3° 3'1.0"	20.599	30.956								16	500
307186	JM0125H	0.2~25	B22	2° 52'31.5"	21.793	40.500	74	156.5	142	3.430	25×125	13×62.5	0.09	18	800

J01 SERIES GRATE PTYPE H MORSE、JACQUARD SHORT TAPER STOCK J01系列 P级H型莫氏、贾格短锥连接

订购编码 Order Number	型号 Model	夹持范围 Clamp Scope mm	锥孔号 Tapering Hole Number	锥角 Taper	d mm	l mm	D mm	L mm	L1 mm	重量 Weight kg	检验棒 Check Rod		精度 Precision mm	力矩 N.M	单价 Price
											大棒 Big Rod	小棒 Small Rod			
307187	J016L	0.2~6	B10	2° 51'26.7"	10.094	14.500	34	70.6	64	0.313	6×50	3×25	0.12	3	350
307188		1/64"~1/4"	J1	4° 24'53.1"	9.754	16.669								3	350
307189		0.2~8	B12	2° 51'26.7"	12.065	18.500								3	320
307190	J018L	1/64"~5/16"	J2	4° 40'11.6"	14.199	22.225	39	80.4	73	0.477	8×50	4×25	0.12	4	320
307191		0.2~10	B12	2° 51'26.7"	12.065	18.500								4	320
307192		1/64"~3/8"	J2	4° 40'11.6"	14.199	22.225								4	320
307193	J0110L	0.2~13	B16	2° 51'41.0"	15.733	24.000	44	90.2	82	0.686	10×75	5×37.5	0.12	6	320
307194		1/64"~1/2"	J33	3° 38'13.4"	15.850	25.400								6	300
307195		0.2~16	B18	2° 51'41.0"	17.780	32.000	54	112.2	102	1.268	16×100	8×50		0.16	12
307196		1/64"~5/8"	J6	2° 58'24.8"	17.170	25.400							12		320
307197	J0116L	0.2~20	B22	2° 52'31.5"	21.793	40.500	59	131.5	119	1.716	20×125	10×62.5	0.16		14
307198		1/64"~3/4"	J3	3° 3'1.0"	20.599	30.956								14	400
307199	J0125H	0.2~25	B22	2° 52'31.5"	21.793	40.500	74	156.5	142	3.430	25×125	13×62.5		0.20	18

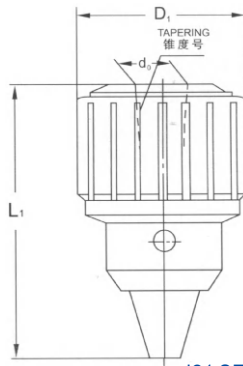
J03 SERIES TYPE H FEMALE THREAD STOCK J03系列 H型螺纹孔连接

订购编码 Order Number	型号 Model	夹持范围 Clamp Scope mm	d mm	l mm	D mm	L mm	L1 mm	重量 Weight kg	检验棒 Check Rod		精度 Precision mm	力矩 N.M	单价 Price
									大棒 Big Rod	小棒 Small Rod			
307200	J036H	0.2~6	M10×1	14	34	70.6	64	0.313	6×50	3×25	0.20	3	380
307202		1/64"~1/4"	3/8"-24UNF									3	380
307204		0.2~8	M10×1	14	39	80.4	73	0.477	8×50	4×25		0.20	4
307206	J038H	1/64"~5/16"	3/8"-24UNF								4		350
307208		0.2~10	M10×1								4		350
307210	J0310H	1/64"~3/8"	3/8"-24UNF	14	44	90.2	85	0.686	10×75	5×37.5	0.20	6	350
307212		0.2~13	M12×1.25									6	350
307214	J0313H	1/64"~1/2"	1/2"-20UNF	16	49	100.6	91	0.944	13×100	6×50		0.20	12
307216		0.2~16	M16×1.5								12		320
307218	J0316H	1/64"~5/8"	5/8"-16UN	18	54	112.2	102	1.268	16×100	8×50	0.20		14

J 扳手型钻夹头 Spanner Drill Chuck

FEATURES:

- *适合中、重型钻削。
- *应用于铣床、钻床、CNC以及木工机械；
- *能够承受高速切削。
- *Suitable for medium、heavy duty drilling use.
- *For milling machine, lathe, drill Machine、CNC&wood working machine.
- *High speed drilling can be performed for possessing high cutting power.



J21 SERIES TYPE L MORSE JACQUARD SHORT TAPER STOCK
J21 系列 H型莫氏.贾格短锥连接

J31 SERIES TYPE H FEMALE THREAD STOCK

J31 系列 H型螺纹孔连接

订购编码 Order Number	型号 Model	夹持范围 Clamp Scope mm	连接尺寸 Mounts	D mm	L1 mm	重量 Weight kg	单价 Price
307220	J316L	0.5~6	M10×1.0	30	49	0.125	200
307222		1/64"~1/4"	3/8"-24UNF				200
307224	J3110L	1~10	M10×1.0	42.5	70	0.335	200
307226		1/32"~3/8"	3/8"-24UNF				200
307228	J3113L	1~13	M12×1.25	53	86	0.625	200
307230		1/32"~1/2"	1/2"-20UNF				200
307232	J3116L	3~16	M16×1.5	57	97	0.750	220
307234		1/8"~5/8"	5/8"-16UN				220

扳手钻夹头 Spanner drill chuck



J31系列 L型螺纹孔连接

J31 SERIES TYPE L FEMALE THREAD STOCK

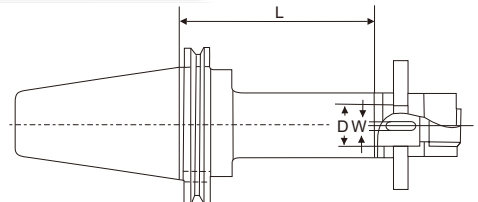
订购编码 Order Number	型号 Model	夹持范围 Clamp Scope mm	连接尺寸 Mounts	D mm	L1 mm	重量 Weight kg	单价 Price
307260	J316L	0.5~6	M10×1	30	49	0.115	300
307262		1/64"~1/4"	3/8"-24UNF				300
307264	J3110L	1~10	M10×1	34	60	0.160	300
307266		1/32"~3/8"	3/8"-24UNF				300
307268	J3113L	1.5~13	M12×1.25	43	75	0.305	300
307270		1/16"~1/2"	1/2"-20UNF				300
307272	J3116L	3~16	M16×1.5	53	88	0.625	400
307274		1/8"~5/8"	5/8"-16UN				400

J21 系列 L型莫氏.贾格短锥连接

J21 SERIES TYPE L MORSE JACQUARD SHORT TAPER STOCK

订购编码 Order Number	型号 Model	夹持范围 Clamp Scope mm	锥孔号 Tapering Hole Number	do mm	D mm	L1 mm	重量 Weight kg	单价 Price
307280	J216L	0.5~6	B10	10.094	30	49	0.115	300
307282		1/64"~1/4"	J1	9.754				300
307284	J2110L	1~10	B12	12.065	34	60	0.160	300
307286		1/32"~3/8"	J2	14.199				300
307288	J2113L	1.5~13	B16	15.733	43	75	0.305	300
307290		1/16"~1/2"	J33	17.170				300
307292	J2116L	3~16	B18	17.780	53	88	0.625	400
307294								400

三面刃铣刀刀柄(-XS) SIDE MILLING CUTTER ARBOR



单价 Price	型号、规格 Model & Specification	D	L	W	单价 Price
307900	□30-XS10-60	10	60	-	400
307902	-XS16-60	16	60	4	400
307904	-XS22-60	22	60	6	400
307906	□40-XS16-75	16	75	4	400
307908	-105	16	105	4	400
307910	-XS22-75	22	75	4	400
307912	-105	22	105	6	400
307914	-120	22	120	6	450
307916	-XS27-75	27	75	6	400
307918	-105	27	105	6	400
307920	-120	27	120	6	450
307922	-SX332-60	32	60	8	450
307924	-90	32	90	8	500
307926	□50-XS16-90	16	90	4	800
307928	-120	16	120	4	900
307930	-XS22-90	22	90	6	800
307932	-135	22	135	6	900
307934	-150	22	150	6	1000
307936	-XS27-90	27	90	6	800
307938	-135	27	135	6	900
307940	-150	27	150	6	1000
307942	XS32-75	32	75	8	800
307944	-90	32	90	8	900
307946	-120	32	120	8	950
307948	-135	32	135	8	1000
307950	-SX40-75	40	75	10	800
307952	-90	40	90	10	900
307954	-120	40	120	10	950
307956	-135	40	135	10	1000
307958	XT60-XS32-135	32	135	8	3000
307960	-XS40-135	40	135	10	3000
307962	-XS50-150	50	150	12	3000

注：□表示各种类型锥柄

铣削
刀柄
系统

SK
高速
高精

HM
液压

SR
烧结
刀柄

ADS
后拉
刀柄

强力
刀柄

ER
刀柄

OZ
刀柄

攻牙
刀柄

钻
夹头
刀柄

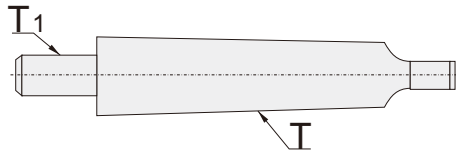
平面
铣
刀柄

莫氏
刀柄

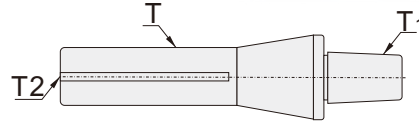
侧固
刀柄

油路
刀柄

MT/JT 莫氏锥度夹头柄 Morse Taper Drill Chuck Arbors



R8/JT 夹头柄 R8 Drill Chuck Arbors



铣削
刀柄
系统

SK
高速
高精

HM
液压

SR
烧结
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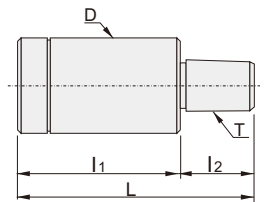
侧固
刀柄

油路
刀柄

订购编号 Order No.	型号 Model	T	T1	价格 Price
307300	MT1-JT0	MT1	JT0	
307302	MT1-JT1	MT1	JT1	
307304	MT1-JT2	MT1	JT2	
307306	MT1-JT3	MT1	JT3	
307308	MT1-JT4	MT1	JT4	
307310	MT1-JT5	MT1	JT5	
307312	MT1-JT6	MT1	JT6	
307314	MT1-JT33	MT1	JT33	
307316	MT2-JT0	MT2	JT0	
307318	MT2-JT1	MT2	JT1	
307320	MT2-JT2	MT2	JT2	
307322	MT2-JT3	MT2	JT3	
307324	MT2-JT4	MT2	JT4	
307326	MT2-JT5	MT2	JT5	
307328	MT2-JT6	MT2	JT6	
307330	MT2-JT33	MT2	JT33	
307332	MT3-JT1	MT3	JT1	
307334	MT3-JT2	MT3	JT2	
307336	MT3-JT3	MT3	JT3	
307338	MT3-JT4	MT3	JT4	
307340	MT3-JT5	MT3	JT5	
307342	MT3-JT6	MT3	JT6	
307344	MT3-JT33	MT3	JT33	
307346	MT4-JT2	MT4	JT2	
307348	MT4-JT3	MT4	JT3	
307350	MT4-JT4	MT4	JT4	
307352	MT4-JT5	MT4	JT5	
307354	MT4-JT6	MT4	JT6	
307356	MT4-JT33	MT4	JT33	
307358	MT5-JT2	MT5	JT2	
307360	MT5-JT3	MT5	JT3	
307362	MT5-JT4	MT5	JT4	
307364	MT5-JT5	MT5	JT5	
307366	MT5-JT6	MT5	JT6	
307368	MT5-JT33	MT5	JT33	

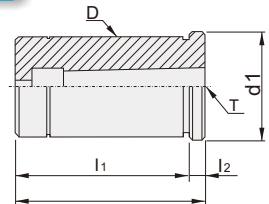
订购编号 Order No.	型号 Model	T	T2	T3	价格 Price
307370	R8-JT1	R8	JT1	7/16"-UNF20	
307372	R8-JT2	R8	JT2		
307374	R8-JT3	R8	JT3		
307376	R8-JT4	R8	JT4		
307378	R8-JT5	R8	JT5		
307380	R8-JT6	R8	JT6		
307382	R8-JT33	R8	JT33		

C/JT 直式夹头柄 Cylindrical Drill Chuck Arbors



订购编号 Order No.	型号 Model	D	T	L	L1	L2	价格 Price
307400	C20-JT6	C20	JT6	80	55	25	
307402	C32-JT3	C32	JT3	85	70	25	
307404	C32-JT6	C32	JT6	105.95	70	35.95	
307406	C42-JT3	C42	JT3	125	100	25	
307408	C42-JT5	C42	JT5	135.95	100	35.95	

C/MT 直式夹头芯轴 Straight type chuck mandrel



订购编号 Order No.	型号 Model	D	T	L	L1	L2	d1	价格 Price
307500	C32-MT1	C32	Mt1	61	56	5	35	
307502	C32-MT2	C32	Mt2	73	65	8	37	
307504	C32-MT3	C32	Mt3	92	72	20	37	
307506	C42-MT1	C42	Mt1	61	56	5	47	
307508	C42-MT2	C42	Mt2	74	66	8	47	
307510	C42-MT3	C42	Mt3	92	75	17	47	

铣削
刀柄
系统

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高精

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钻
夹头
刀柄

平面
铣
刀柄

莫氏
刀柄

侧固
刀柄

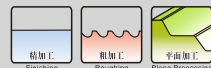
油路
刀柄

BT-FMA 平面铣刀柄

BT-FMA FACE MILL HOLDER

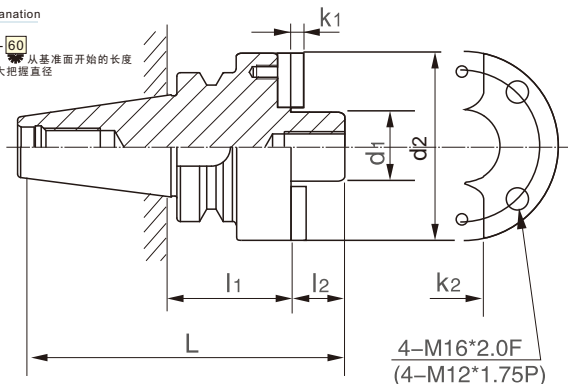
◆面铣刀盘专用刀柄

◆Face milling cutter shank special



型号说明 Model explanation

BT40-FMA 25.4-60
 刀柄形状 夹头略号 从基准面开始的长度 最大把握直径



特点:

- D1公差: h6
- 附有两侧侧固螺丝
- 中心冷却 (DIN69871-AD)
- 动平衡可以达到G6.3, 8000RPM.
- 平衡等级和转速可以根据客户的要求, 但需另行报价。

铣削
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系统

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钻
夹头
刀柄

平面
铣
刀柄

莫氏
刀柄

侧固
刀柄

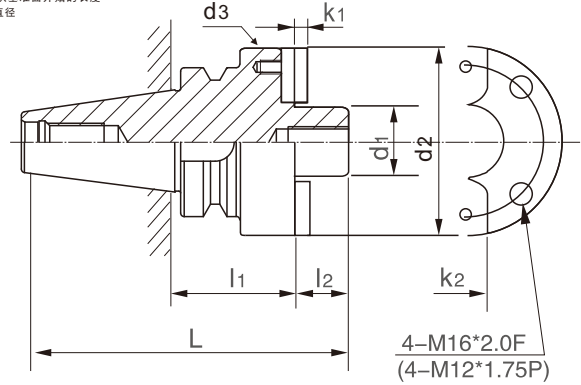
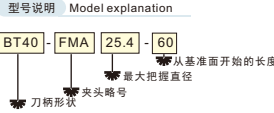
油路
刀柄

订购编号 Order No.	型号 Model	L	L1	L2	D	d1	d2	k1	k2	图示	重量 WG	价格 Price
307600	BT30-FMA25.4-45	113.4	45							1	1.10kg	605
307602	BT30-FMA25.4-60	128.4	60	20	50	25.4	31.5	4.52	9.52		1.30kg	635
307604	BT30-FMA31.75-45	115.4	45	22	60	31.75	41	6.7	12.7		1.35kg	705
307606	BT40-FMA25.4-45	130.4	45							1	1.80kg	755
307608	BT40-FMA25.4-60	145.4	60	20	50	25.4	31.5	4.52	9.52		2.00kg	805
307610	BT40-FMA25.4-90	175.4	90								2.60kg	945
307612	BT40-FMA25.4-105	190.4	105								2.70kg	990
307614	BT40-FMA31.75-45	132.4	45							1	2.00kg	795
307616	BT40-FMA31.75-75	162.4	75	22	60	31.75	41	6.7	12.7		2.70kg	915
307618	BT40-FMA31.75-90	177.4	90								2.90kg	970
307620	BT40-FMA38.10-60	150.4	60	25	75	38.1	44.5	8.87	15.87		2.80kg	1155
307622	BT40-FMA50.80-60	161.4	60	36	98	50.8	65	9.75	19.05		4.00kg	1500
307624	BT50-FMA25.4-45	166.8	45							1	4.40kg	1545
307626	BT50-FMA25.4-90	211.8	90	20	50	25.4	31.5	4.52	9.52		5.10kg	1845
307628	BT50-FMA25.4-150	271.8	150								6.10kg	1905
307630	BT50-FMA31.75-45	168.8	45					6.2		1	4.50kg	1605
307632	BT50-FMA31.75-75	198.8	75	22	60	31.75	41	6.7	12.7		5.30kg	1805
307634	BT50-FMA31.75-105	228.8	105								5.70kg	2005
307636	BT50-FMA38.10-45	171.8	45							1	4.80kg	1670
307638	BT50-FMA38.10-75	210.8	75	25	80	38.1	44.5	8.87	15.87		6.00kg	1950
307640	BT50-FMA50.80-45	182.8	45								5.70kg	1855
307642	BT50-FMA50.80-75	212.8	75	36	98	50.8	65	9.75	19.05		6.80kg	2060
307644	BT50-FMA47.62-75	208.8	75	32	128.75	47.62	-	12.5	25.4	2	7.90kg	2875
307646	BT50-FMA25.4-125BG	246.8	125		48			60		9.52	5.3kg	1795
307648	BT50-FMA25.4-150BG	271.8	150								6.4kg	1910
307650	BT50-FMA25.4-200BG	321.8	200								7.5kg	2125
307652	BT50-FMA25.4-250BG	371.8	250	20		25.4	31.5	63	4.25	9.52	8.6kg	2450
307654	BT50-FMA25.4-300BG	421.8	300		58						9.7kg	2615
307656	BT50-FMA25.4-350BG	471.8	350								10.8kg	2805
307658	BT50-FMA25.4-400BG	521.8	400					66			11.9kg	3155
307660	BT50-FMA31.75-125BG	248.8	125							12.7	5.6kg	1925
307662	BT50-FMA31.75-150BG	273.8	150								6.3kg	2095
307664	BT50-FMA31.75-175BG	298.8	175								8.3kg	2405
307666	BT50-FMA31.75-200BG	323.8	200	22	70	31.75	41	75	6.7		9.1kg	2425
307668	BT50-FMA31.75-250BG	373.8	250								10.6kg	2715
307670	BT50-FMA31.75-300BG	423.8	300								12.1kg	3035
307672	BT50-FMA31.75-350BG	473.8	350								13.6kg	3280

FMB 平面铣刀柄

FMB FACE MILL HOLDER

- ◆ 面铣刀盘专用刀柄
- ◆ Face milling cutter shank special



特点:

- D1公差: h6
- 附有两侧侧固螺丝
- 中心冷却 (DIN69871-AD)
- 动平衡可以达到G6.3, 8000RPM.
- 平衡等级和转速可以根据客户的要求, 但需另行报价。

订购编号 Order No.	型号 Model	L	L1	L2	D	d1	d2	k1	k2	图示 d3	重量 WG	价格 Price
307700	BT30-FMB22-45	115.4	45									
307702	BT30-FMB22-60	127.4	60	19	48	22	26	4.8	10		0.85kg	560
307704	BT30-FMB27-45	113.4	45								1.25kg	555
307706	BT30-FMB27-60	128.4	60	20	60	27	31.5	5.8	12		1.20kg	735
307708	BT30-FMB32-45	115.4	45	22	78	32	41	6.8	14		1.35kg	705
307710	BT40-FMB22-45	129.4	45								1.35kg	890
307712	BT40-FMB22-60	144.4	60	19	48	22	26	4.8	10		1.45kg	760
307714	BT40-FMB22-100	184.4	100								1.70kg	750
307716	BT40-FMB27-45	130.4	45								2.20kg	895
307718	BT40-FMB27-60	145.4	60	20	60	27	31.5	5.8	12		1.60kg	725
307720	BT40-FMB27-90	175.4	90								2.00kg	785
307722	BT40-FMB27-105	190.4	105								2.30kg	850
307724	BT40-FMB32-45	132.4	45	22	78	32	41	6.8	14		2.50kg	925
307726	BT40-FMB32-60	147.4	60								1.75kg	885
307728	BT40-FMB40-60	150.4	60	25	80	40	48	8.3	16		2.10kg	955
307730	BT50-FMB22-45	165.8	45								2.80kg	1065
307732	BT50-FMB22-90	210.8	90								4.50kg	1480
307734	BT50-FMB22-150	270.8	150	19	48	22	26	4.8	10	1	5.10kg	1590
307736	BT50-FMB22-200	320.8	200								6.80kg	1825
307738	BT50-FMB22-250	370.8	250								7.00kg	1945
307740	BT50-FMB27-50	171.8	50								8.00kg	2215
307742	BT50-FMB27-90	211.8	90								4.60kg	1520
307744	BT50-FMB27-150	271.8	150	20	60	27	31.5	5.8	12		5.40kg	1675
307746	BT50-FMB27-200	321.8	200								7.50kg	1965
307748	BT50-FMB27-250	371.8	250								9.50kg	2260
307750	BT50-FMB32-50	173.8	50	22	78	32	41	6.8	14		11.0kg	2510
307752	BT50-FMB32-90	213.8	90								5.70kg	1660
307754	BT50-FMB40-50	176.8	50								5.80kg	1815
307756	BT50-FMB40-90	216.8	90	25	80	40	48	8.3	16		5.2kg	1635
307758	BT50-FMB40-105	231.8	105								6.00kg	1870
307760											7.20kg	2085
307762	BT50-FS40F-75	202.8	75	26	110	40	-	8.3	16	2	6.00kg	2355
307764	BT50-FS60F-75	201.8	75	25	138	60	-	12.5	25.4		8.50kg	3345
307766	BT40-FMB22-150BG	233.4	150								3.1kg	1020
307768	BT40-FMB22-200BG	283.4	200	18	48					51	4.0kg	1250
307770	BT40-FMB22-250BG	333.4	250								4.9kg	1305
307772	BT50-FMB22-150BG	271.8	150								6.8kg	1825
307774	BT50-FMB22-200BG	321.8	200								8.4kg	1970
307776	BT50-FMB22-250BG	371.8	250			22	31.75	4.25	9.52		9.4kg	2240
307778	BT50-FMB22-300BG	421.8	300	20	58					62.5	10.4kg	2360
307780	BT50-FMB22-350BG	471.8	350								11.4kg	2505
307782	BT50-FMB22-400BG	521.8	400								12.4kg	2740
307784	BT50-FMB22-450BG	571.8	450								13.4kg	2895
307786	BT50-FMB22-500BG	621.8	500								14.4kg	3110

铣削
刀柄
系统

SK
高速
高精

HM
液压

SR
烧结
刀柄

ADS
后拉
刀柄

强力
刀柄

ER
刀柄

OZ
刀柄

攻牙
刀柄

钻
夹头
刀柄

平面
铣
刀柄

莫氏
刀柄

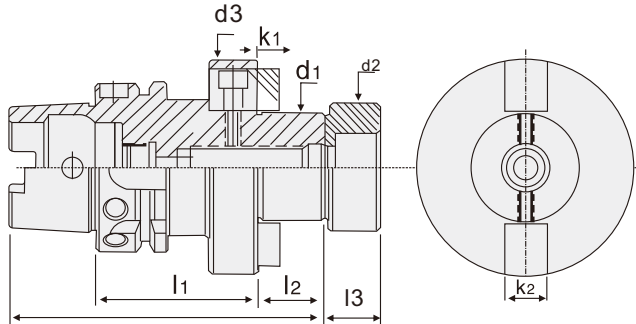
侧固
刀柄

油路
刀柄

HSK/FMB 平面铣刀柄 Face Mill Arbor

特点:

- D1公差: h6
- 动平衡可以达到G6.3, 3000RPM。
- 平衡等级和转速可以根据客户的要求, 但需另行报价。



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铣
刀柄

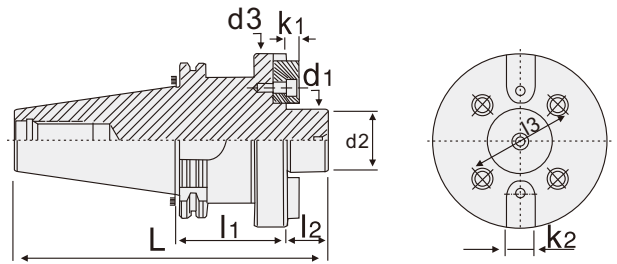
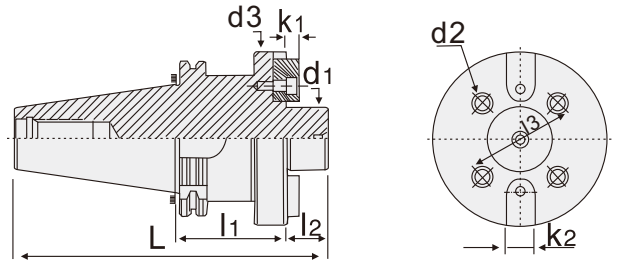
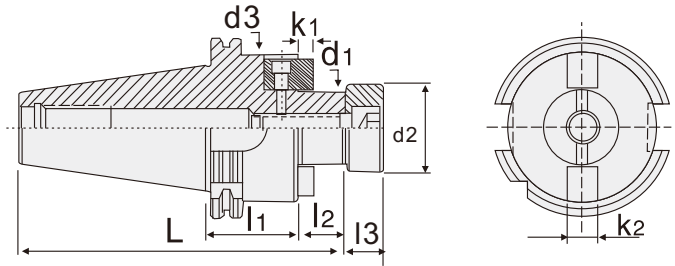
莫氏
刀柄

侧固
刀柄

油路
刀柄

订购编号 Order No.	型号 Model	L	l2	l3	d2	d3	k1	k2	重量 WG	价格 Price
307900	HSK40A-FMB16-50	87	17	-	-	40	3.8	8	0.7kg	
307902	HSK40A-FMB22-60	99	19	14	26	50	4.8	10	0.8kg	
307904	HSK40A-FMB27-60	101	21	16	31.5	60	5.8	12	1.0kg	
307906	HSK40A-FMB32-60	104	24	16	41	78	6.8	14	1.1kg	
307908	HSK50A-FMB16-50	92	17	-	-	40	3.8	8	1.1kg	
307910	HSK50A-FMB22-60	104	19	14	26	50	4.8	10	1.2kg	
307912	HSK50A-FMB27-60	106	21	16	31.5	60	5.8	12	1.3kg	
307914	HSK50A-FMB32-60	109	24	16	41	78	6.8	14	1.5kg	
307916	HSK63A-FMB16-50	99	17	-	-	40	3.8	8	1.2kg	
307918	HSK63A-FMB22-50	101	19	14	26	50	4.8	10	1.3kg	
307920	HSK63A-FMB27-60	113	21	16	31.5	60	5.8	12	1.5kg	
307922	HSK63A-FMB32-60	116	24	16	41	78	6.8	14	1.6kg	
307924	HSK63A-FMB40-60	119	25	20.5	48	89	8.3	16	2.1kg	
307926	HSK100A-FMB22-50	119	19	14	26	50	4.8	10	2.7kg	
307928	HSK100A-FMB27-50	121	21	16	31.5	60	5.8	12	2.9kg	
307930	HSK100A-FMB32-50	124	24	16	41	78	6.8	14	3.0kg	
307932	HSK100A-FMB40-60	137	25	20.5	48	89	8.3	16	4.0kg	
307934	HSK100A-FMB50-70	150	30	25	68	120	9.7	19	5.1kg	
307936	HSK100A-FMB60-70	160	40	-	-	129	12.5	25.4	5.5kg	

DAT/FMB 平面铣刀柄
Face Mill Arbor



特点:

- D1公差: h6
- 7/24锥度公差: AT3
- 动平衡可以达到G6. 3, 3000RPM。
- 平衡等级和转速可以根据客户的要求, 但需另行报价。

铣削
刀柄
系统

SK
高速
高精

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平面
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莫氏
刀柄

侧固
刀柄

油路
刀柄

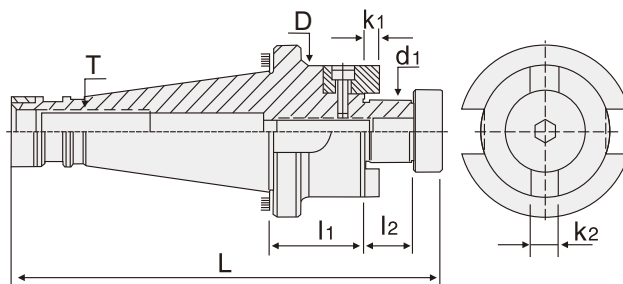
订购编号 Order No.	型号 Model	L	L2	L3	d2	d3	k1	k2	图示	重量 WG	价格 Price
308000	DAT30-FMB22-35	101.8	19	14	26	45	4.8	10	1	1.00kg	
308002	DAT30-FMB27-55	122.8	20	16	31.5	58	5.8	12		1.05kg	
308004	DAT40-FMB22-35	122.4	19	14	26	48	4.8	10		1.20kg	
308006	DAT40-FMB27-60	148.4	20	16	31.5	58	5.8	12		1.80kg	
308008	DAT40-FMB32-60	150.4	22	16	41	66	6.8	14		2.30kg	
308010	DAT40-FMB40-60	153.4	25	20.5	48	80	8.3	16	2	2.80kg	
308012	DAT50-FMB22-35	155.75	19	14	26	48	4.8	10		3.40kg	
308014	DAT50-FMB27-35	156.75	20	16	31.5	58	5.8	12		3.5kg	
308016	DAT50-FMB32-35	158.75	22	16	41	66	6.8	14		3.70kg	
308018	DAT50-FMB40-50	189.75	25	20.5	48	80	8.3	16		4.70kg	
308020	DAT40-FMB50-60	191.75	30	25	68	95	9.7	19	3	5.80kg	
308022	DAT40-FMB40F-60	158.4	30	66.7	M12	89	8.3	15.9		2.90kg	
308024	DAT50-FMB40F-60	201.75	30	66.7	M12	89	8.3	15.9		5.50kg	
308026	DAT50-FMB40F-70	211.75	40	101.6	M16	129	12.5	25.4	2	5.70kg	
308028	DAT40-FS40-60	154.4	26	66.7	50	110	8.3	16		3.20kg	
308030	DAT50-FS40-70	197.75	26	66.7	50	110	8.3	16		5.70kg	
308032	DAT50-FS60-70	196.75	25	101.6	M16	140	12.5	25.4	2	5.50kg	

NT/FM 平面铣刀柄 Face Mill Arbor



特点:

- D1=面铣刀的外径
- 柄的末端有一个塑料环以达到保护主轴。



订购时, 请确认拉杆螺丝规格为公制或英制。

单位: mm

订购编号 Order No.	型号 Model	D	L	l1	l2	K1	K2	T	重量 WG	价格 Price	
307800	NT30-FMA25.40	46	139.4	35	20	4.5	9.52	M12(M12*1.75P)	0.55kg	610	
307802	NT30-FMA31.75	60	141.4		22	5.7	12.7		A04(1/2"-12)	0.75kg	725
307804	NT30-FMA38.10	70	148.9		25	6.87	15.87	M16(M16*2.0P)		2.10kg	915
307806	NT40-FMA25.40	63	164.4		20	4.5	9.52		A06(5/8"-11)	1.45kg	795
307808	NT40-FMA31.75	63	166.4	22	5.7	12.7	A06(5/8"-11)			1.75kg	835
307810	NT40-FMA38.10	70	173.4	25	6.87	15.87			M24(M24*3.0P)	2.00kg	970
307812	NT40-FMA50.80	98	174.9	36	9.75	19.05	A07(1"-8)	2.55kg		1390	
307814	NT40-FMA47.62	128.75	149.4	24	32	12.5		25.4		A07(1"-8)	2.90kg
307816	NT50-FMA25.40	50	182.8	45	20	4.5	9.52	M24(M24*3.0P)			3.30kg
307818	NT50-FMA31.75	60	184.8		22	5.7	12.7		A07(1"-8)	3.40kg	1605
307820	NT50-FMA38.10	70	192.3		25	6.87	15.87			M12(M12*1.75P)	3.60kg
307822	NT50-FMA50.80	90	193.3	36	9.75	19.05	A04(1/2"-12)	3.90kg	1730		
307824	NT50-FMA47.62	128.75	157.8	24	32	12.5		25.4	A04(1/2"-12)		4.90kg
307826	NT30-FMB22mm	42	136.4	35	19	4	10	M12(M12*1.75P)			0.67kg
307828	NT30-FMB27mm	60	139.4		20	5	12		A06(5/8"-11)	1.00kg	720
307830	NT30-FMB32mm	65	141.4		22	6	14	M16(M16*2.0P)		1.20kg	805
307832	NT30-FMB40mm	80	148.9		25	7	16		A06(5/8"-11)	1.40kg	980
307834	NT40-FMB22mm	48	163.4	19	4	10	A06(5/8"-11)			1.25kg	770
307836	NT40-FMB27mm	58	166.4	20	5	12			M24(M24*3.0P)	1.45kg	795
307838	NT40-FMB32mm	65	168.4	22	6	14	A07(1"-8)	1.70kg		885	
307840	NT40-FMB40mm	80	175.9	25	7	16		A07(1"-8)		2.50kg	1115
307842	NT50-FMB22mm	48	206.8	45	19	4	10			M24(M24*3.0P)	3.50kg
307844	NT50-FMB27mm	58	207.8		20	5	12	A07(1"-8)	3.90kg		1610
307846	NT50-FMB32mm	65	214.3		22	6	14		A07(1"-8)	4.00kg	1635
307848	NT50-FMB40mm	80	217.3		25	7	16	A07(1"-8)		4.83kg	1705

铣削
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系统

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液压

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ADS
后拉
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强力
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ER
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OZ
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攻牙
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钻
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平面
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莫氏
刀柄

侧固
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油路
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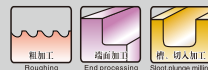
平面
铣
刀柄

莫氏
刀柄

侧固
刀柄

油路
刀柄

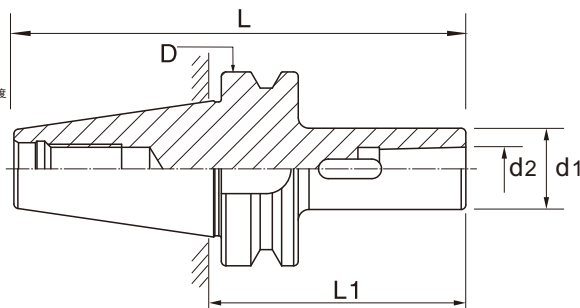
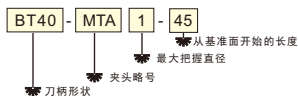
BT-MTA 莫氏锥度刀柄 BT-MTA MOSE TAPER SLEEVE



- ◆ 装刀时，扁尾方向与刀柄孔对准插入。刀具向上用铜锤子，重重敲击拉钉部分几下即可。
- ◆ 卸刀具时，对准扁孔的记号，用锤子敲击，卸刀具。这时请注意不要让刀具飞起来。

- ◆ When installs the cutting tool, the flat tail direction and the hilt hole alignment insertion, the cutting tool with the copper clock, layer on layer raps puller bolt part several upwardly then.
- ◆ When unloads the cutting tool, aims at the flat hole the symbol, with the clock sub-rap, unloads the cutting tool. By now please note do not let the cutting toolfly.

型号说明 Model explanation

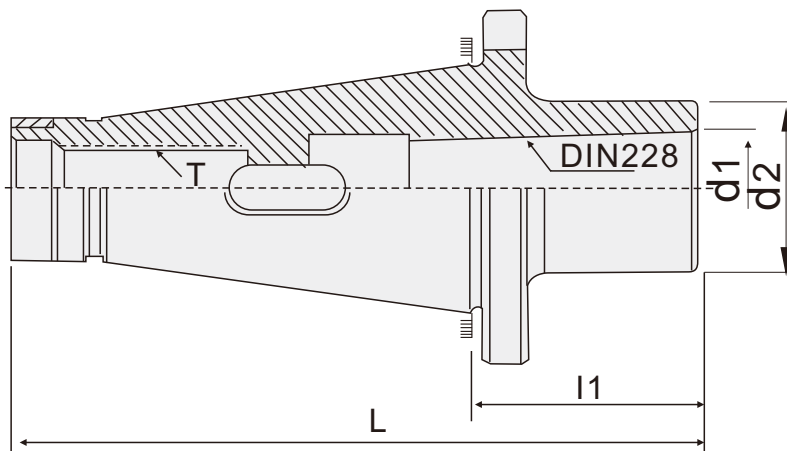


特点:

- 高精确的工作流程，即使使用加长型钻头，同心度仍然在0.015mm。
- 适用于扁尾型莫氏锥柄钻头。

订购编号 Order No.	型号 Model	L	L1	d1	d2	图示	重量 WG	价格 Price
308100	BT30-MTA1-45	93.4	45	25	12.065	1	0.55kg	390
308102	BT30-MTA1-105	153.4	105			2	0.80kg	485
308104	BT30-MTA2-60	108.4	60	32	17.78	1	0.60kg	405
308106	BT30-MTA2-120	168.4	120			2	0.90kg	515
308108	BT30-MTA3-80	128.4	80	40	23.825	1	0.80kg	465
308110	BT40-MTA1-45	110.4	45			2	1.05kg	540
308112	BT40-MTA1-120	185.4	120	25	12.065	1	1.40kg	745
308114	BT40-MTA2-50	115.4	50			2	1.10kg	555
308116	BT40-MTA2-120	185.4	120	32	17.78	1	1.80kg	790
308118	BT40-MTA3-70	135.4	70			2	1.80kg	790
308120	BT40-MTA3-135	200.4	135	40	23.825	1	1.20kg	590
308122	BT40-MTA4-95	160.4	95			2	1.90kg	815
308124	BT40-MTA4-165	230.4	165	48	31.267	1	1.40kg	685
308126	BT50-MTA1-45	146.8	45			2	2.50kg	970
308128	BT50-MTA1-120	221.8	120	25	12.065	1	3.80kg	1320
308130	BT50-MTA1-180	281.8	180			2	4.30kg	1475
308132	BT50-MTA2-60	161.8	60			2	5.00kg	1630
308134	BT50-MTA2-135	236.8	135	32	17.78	1	4.00kg	1345
308136	BT50-MTA2-180	281.8	180			2	4.70kg	1515
308138	BT50-MTA3-65	166.8	65	40	23.825	1	5.00kg	1640
308140	BT50-MTA3-150	251.8	150			2	3.90kg	1375
308142	BT50-MTA3-180	281.8	180	40	23.825	1	5.00kg	1600
308144	BT50-MTA4-95	196.8	95			2	5.50kg	1735
308146	BT50-MTA4-180	281.8	180	48	31.267	1	4.20kg	1465
308148	BT50-MTA5-105	206.8	105			2	5.50kg	1775

NT/MTA 斜柄钻头套筒 Morse Taper Adapter



特点:

- 经硬化及精密研磨（内外径）。
- 真圆度：0.005mm。
- MTA=TANG型=DIN 228-B。
- MTB=拉杆类型=DIN 228-A
- 采高级工具钢经过完全淬火和磨削。内孔和外柄为莫氏锥度。

订购时,请确认拉杆螺丝规格为公制或英制。

单位: mm

订购编号 Order No.	型号 Model	L	l1	d1	d2	T	重量 WG	价格 Price
308200	NT30-MTA2	123.9	55.5	17.78	32	M12(M12*1.75P) A04(1/2"-12)	0.50kg	520
308202	NT30-MTA3	142.4	74	23.825	40		0.55kg	565
308204	NT40-MTA2	118.4	25	17.78	32	M16(M16*2.0P) A06(5/8"-11)	0.80kg	605
308206	NT40-MTA3	140.4	47	13.825	40		0.85kg	665
308208	NT40-MTA4	175.4	82	31.267	48		1.25kg	720
308210	NT40-MTA5	263.4	170	44.399	63		1.45kg	920
308212	NT50-MTA2	146.8	20	17.78	32	M24(M24*3.0P) A07(1"-8)	2.80kg	1145
308214	NT50-MTA3	156.8	30	13.825	40		2.90kg	1130
308216	NT50-MTA4	186.8	60	31.267	48		3.00kg	1290
308218	NT50-MTA5	209.8	86.2	44.399	63		3.10kg	1335

铁削
刀柄
系统

SK
高速
高精

HM
液压

SR
烧结
刀柄

ADS
后拉
刀柄

强力
刀柄

ER
刀柄

OZ
刀柄

攻牙
刀柄

钻
夹头
刀柄

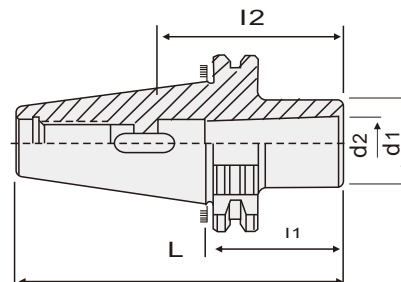
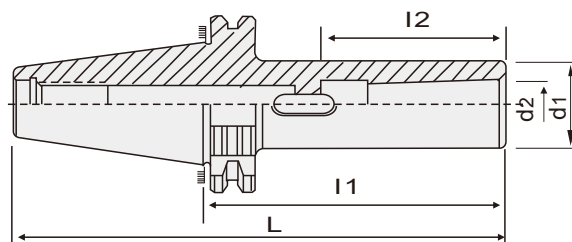
平面
铣
刀柄

莫氏
刀柄

侧固
刀柄

油路
刀柄

DAT/MTA 斜柄钻头套筒 Morse Taper Adapter



特点:

- 高精度的工作流程，即使使用加长型钻头，同心度仍然在0.015mm。
- 适用于扁尾型莫氏锥柄钻头。

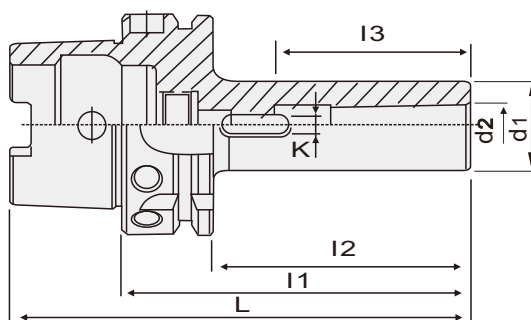
订购编号 Order No.	型号 Model	L	L2	d1	d2	重量 WG	价格 Price
308300	DAT30-MTA1-50	97.8	56	25	12.065	0.55kg	495
308302	DAT30-MTA2-60	117.8	67	32	17.78	0.80kg	510
308304	DAT30-MTA3-75	122.8	84	40	23.825	1.00kg	535
308306	DAT40-MTA1-50	118.4	56	25	12.065	1.20kg	640
308308	DAT40-MTA2-50	118.4	67	32	17.78	1.00kg	610
308310	DAT40-MTA3-70	138.4	84	40	23.825	1.10kg	645
308312	DAT40-MTA4-95	163.4	107	48	31.627	1.35kg	685
308314	DAT50-MTA1-45	146.75	56	25	12.065	3.00kg	1190
308316	DAT50-MTA2-60	161.75	67	32	17.78	3.10kg	1230
308318	DAT50-MTA3-65	166.75	84	40	23.825	3.20kg	1550
308320	DAT50-MTA4-95	196.75	107	48	31.627	3.40kg	1335
308322	DAT50-MTA5-105	206.75	133	63	44.399	3.60kg	1465

HSK/MTA 斜柄钻头套筒 Morse Taper Adapter



特点:

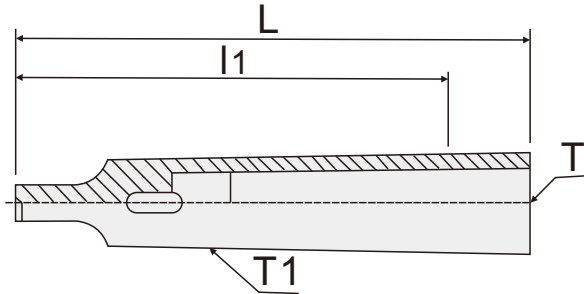
- 刀杆的旋转都经平衡机检测。
- 真圆度：0.005mm。
- MTA=TANG型=DIN 228-B
- 适用于扁尾型莫氏锥柄钻头。



订购编号 Order No.	型号 Model	L	l2	l3	d1	d2	K	重量 WG	价格 Price
308400	HSK50A-MTA1-100	125	74	56	25	12.065	5.2	1.5kg	1406
308402	HSK50A-MTA2-120	145	94	67	32	17.78	6.3	1.8kg	1475
308404	HSK50A-MTA3-140	165	114	84	40	23.825	7.9	1.9kg	1550
308406	HSK63A-MTA1-100	132	74	56	25	12.065	5.2	1.9kg	1675
308408	HSK63A-MTA2-120	152	94	67	32	17.78	6.3	2.0kg	1756
308410	HSK63A-MTA3-140	172	114	84	40	23.825	7.9	2.2kg	1869
308412	HSK63A-MTA4-160	192	134	107	48	31.627	11.9	2.5kg	2019
308414	HSK100A-MTA1-110	160	81	56	25	12.065	5.2	3.4kg	3475
308416	HSK100A-MTA2-120	170	91	67	32	17.78	6.3	3.8kg	3600
308418	HSK100A-MTA3-150	200	121	84	40	23.825	7.9	4.0kg	3981
308420	HSK100A-MTA4-170	220	141	107	48	31.627	11.9	4.6kg	4256
308422	HSK100A-MTA5-200	250	171	135	63	44.399	15.9	5.2kg	4700

MT 莫氏锥度套筒

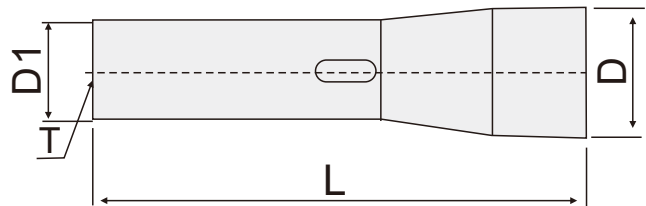
Morse Taper Sleeve



订购编号 Order No.	型号 Model	T	T1	L	l1	价格 Price
308500	MT1-MT2	MT1	MT2	89	75	
308502	MT1-MT3	MT1	MT3	100	94	
308504	MT2-MT3	MT2	MT3	112	94	
308506	MT1-MT4	MT1	MT4	124	117.5	
308508	MT2-MT4	MT2	MT4	124	117.5	
308510	MT3-MT4	MT3	MT4	140	117.5	
308512	MT1-MT5	MT1	MT5	156	149	
308514	MT2-MT5	MT2	MT5	156	149	
308516	MT3-MT5	MT3	MT5	156	149	
308518	MT4-MT5	MT4	MT5	167	149	
308520	MT4-MT6	MT4	MT6	220	210	
308522	MT5-MT6	MT5	MT6	224	210	

R8/MT 套筒

R8 Drill Sleeve



订购编号 Order No.	型号 Model	L	D	D1	T	价格 Price
308600	R8-MT1	124	32	24 ± 1	7/16"UNF20	
308602	R8-MT2	136.5				
308604	R8-MT3	150				
308606	R8-MT4	245				

MT2-5 斜度退刀器

Drift



特点:

- 本产品系以特殊钢经精密模锻造而成，尖端部分热处理，坚硬耐用，手柄内部采用高韧性弹簧，巨大动力，轻易退刀。

订购编号 Order No.	型号 Model	适用斜度	全长	重量 N.W	单支盒装尺寸	20支箱装尺寸	价格 Price
308650	MT2-5	M.T.#2 #3 #4 #5	380mm	1.3kg	390x45x37mm	410x200x225mm	

铣削
刀柄
系统

SK
高速
高精

HM
液压

SR
烧结
刀柄

ADS
后拉
刀柄

强力
刀柄

ER
刀柄

OZ
刀柄

攻牙
刀柄

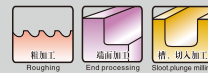
钻
夹头
刀柄

平面
铣
刀柄

莫氏
刀柄

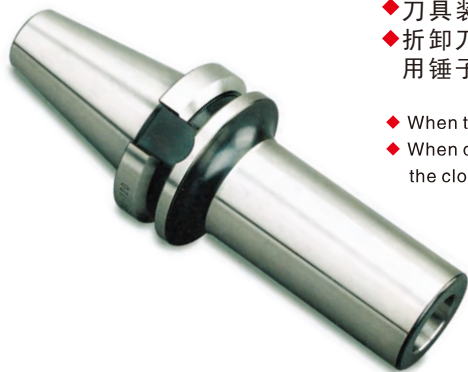
侧固
刀柄

油路
刀柄



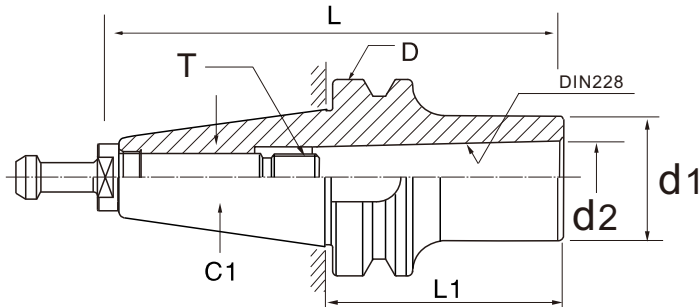
BT-MTB 莫氏锥度刀柄

BT-MTB MOSE TAPER SLEEVE



- ◆ 刀具装着时，请锁紧刀柄上撞到的锁紧螺钉。
- ◆ 拆卸刀具时，先放松拉紧螺钉2-3圈，然后在刀柄的头部分用锤子敲击，放松接触面后，再扭松螺钉，取出刀具。

- ◆ When the cutting tool is installing, please lock the gib screw which the hilt upper garment knife uses.
- ◆ When disassembles the cutting tool, relaxes the tautness bolt first 2-3, then in the hilt head part with the clock sub-rap, after relaxing the contact face, then turns the loose bolt, takes out the cutting tool.



型号说明 Model explanation



特点:

- 高精度的工作流程，即使使用加长型钻头，同心度仍然在0.015mm。
- 适用于后拉式斜柄钻头。

订购编号 Order No.	型号 Model	L	L1	d1	d2	T	重量 WG	价格 Price
308700	BT30-MTB1-45	93.4	45	25	12.065	M6(M6*1.0P) A01(1/4"-20)	0.55kg	405
308702	BT30-MTB2-60	108.4	60	32	17.78	M10(M10*1.5P) A02(3/8"-16)	0.60kg	535
308704	BT40-MTB1-45	110.4	45	25	12.065	M6(M6*1.0P) A01(1/4"-20)	1.05kg	945
308706	BT40-MTB2-45	110.4	45	32	17.78	M10(M10*1.5P) A02(3/8"-16)	1.85kg	695
308708	BT40-MTB2-185	250.4	185	32	17.78	M10(M10*1.5P) A02(3/8"-16)	2.20kg	1000
308710	BT40-MTB3-75	140.4	75	40	23.528	M12(M12*1.75P) A04(1/2"-12)	1.30kg	700
308712	BT40-MTB3-90	155.4	90				1.40kg	900
308714	BT40-MTB3-120	185.4	120				1.80kg	1100
308716	BT40-MTB3-180	245.4	180	48	31.267	M16(M16*2.0P) A06(5/8"-11)	2.40kg	1300
308718	BT40-MTB4-100	165.4	100				1.60kg	900
308720	BT40-MTB4-120	185.4	120				1.80kg	1100
308722	BT40-MTB4-180	245.4	180				2.60kg	1300
308724	BT50-MTB1-45	146.8	45	25	12.065	M6(M6*1.0P) A01(1/4"-20)	3.80kg	1500
308726	BT50-MTB2-45	146.8	45	32	17.78	M10(M10*1.5P) A02(3/8"-16)	3.90kg	2100
308728	BT50-MTB3-60	161.8	60	40	23.825	M12(M12*1.75P) A04(1/2"-12)	3.90kg	2400
308730	BT50-MTB4-75	176.8	75	48	31.267	M16(M16*2.0P) A06(5/8"-11)	4.20kg	2700
308732	BT50-MTB5-120	221.8	120	63	44.399	M24(M24*3.0P) A07(1"-8)	4.30kg	2830

铣削
刀柄
系统

SK
高速
高精

HM
液压

SR
烧结
刀柄

ADS
后拉
刀柄

强力
刀柄

ER
刀柄

OZ
刀柄

攻牙
刀柄

钻
夹头
刀柄

平面
铣
刀柄

莫氏
刀柄

侧固
刀柄

油路
刀柄

BT-SLN 侧固式刀柄

BT-SLN Side Lock End Mill Holder

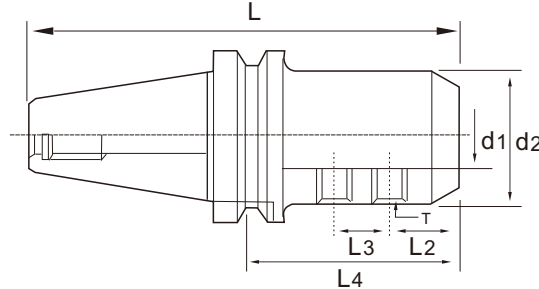
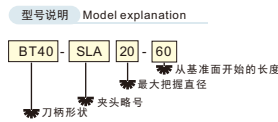


◆ 刀具装着时，刃物的槽口平面部分与刀柄的侧固螺钉对齐，强力锁紧。

◆ 侧固式柄部形状有不同，使用的侧固式刀柄也有区别，必须确认侧固式螺钉的位置。

◆ When the cutting tool is installing, when edge's notch even face aligns with the hilt side solid bolt, force locking.

◆ The side solid-like handle department shape has the difference, the use side solid-like hilt also has the difference, must confirm the side solid-like bolt's position.



铣削
刀柄
系统

SK
高速
高精

HM
液压

SR
烧结
刀柄

ADS
后拉
刀柄

强力
刀柄

ER
刀柄

OZ
刀柄

攻牙
刀柄

钻
夹头
刀柄

平面
铣
刀柄

莫氏
刀柄

侧固
刀柄

油路
刀柄

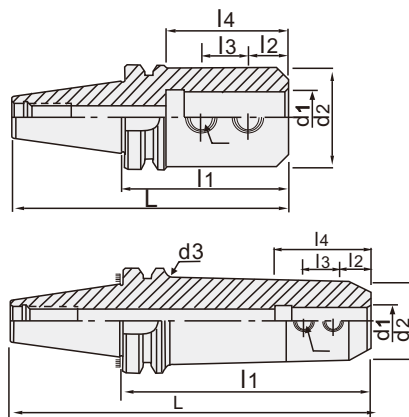
订购编号 Order No.	型号 Model	L	L2	L3	L4	d2	T	图示	重量 WG	价格 Price				
308800	BT30-SLN6-60	108.4	18	--	40	25	M6x1.0P	1	0.55kg	440				
308802	BT30-SLN8-60	108.4				28	M8x1.25P		0.60kg	445				
308804	BT30-SLN10-60	108.4				44	35		M10x1.5P	0.70kg	445			
308806	BT30-SLN12-60	108.4	22.5	--	49	42	M12x1.75P	1	0.75kg	445				
308808	BT30-SLN16-75	123.4	24			52	M14x2.0P		1.05kg	570				
308810	BT30-SLN20-75	123.4	25			54	M16x2.0P		1.10kg	575				
308812	BT30-SLN25-90	138.4	24	25	59	65	M18x2.0P	2	1.70kg	750				
308814	BT40-SLN6-50	115.4	18	--	40	25	M6x1.0P	1	1.10kg	555				
308816	BT40-SLN6-150	215.4							1.32kg	825				
308818	BT40-SLN8-50	115.4							1.10kg	555				
308820	BT40-SLN8-150	215.4	1.30kg	825										
308822	BT40-SLN10-63	128.4	20	--	44	35	M10x1.5P	1	1.25kg	635				
308824	BT40-SLN10-150	215.4							1.40kg	830				
308826	BT40-SLN12-63	128.4							1.30kg	635				
308828	BT40-SLN12-150	215.4	22.5	--	49	42	M12x1.75P	1	1.53kg	830				
308830	BT40-SLN16-63	128.4	1.40kg						635					
308832	BT40-SLN16-150	215.4	1.60kg						835					
308834	BT40-SLN18-63	128.4	24	--	54	50	M14x2.0P	1	1.65kg	640				
308836	BT40-SLN20-63	128.4	25						1.40kg	635				
308838	BT40-SLN25-100	165.4	24						25	59	65	M18x2.0P	2	2.50kg
308840	BT40-SLN32-100	165.4	28	63	72	M20x2.0P	2	2.75kg	955					
308842	BT50-SLN6-63	164.8	18	--	40	25	M6x1.0P	1	3.80kg	1465				
308844	BT50-SLN8-63	164.8				28	M8x1.25P		3.80kg	1440				
308846	BT50-SLN10-63	164.8				44	35		M10x1.5P	3.00kg	1450			
308848	BT50-SLN12-80	181.8	22.5	--	49	42	M12x1.75P	1	4.00kg	1590				
308850	BT50-SLN16-80	181.8	24						52	M14x2.0P	4.40kg	1595		
308852	BT50-SLN20-80	181.8	25						54	M16x2.0P	4.40kg	1595		
308854	BT50-SLN25-100	201.8	24	25	59	65	M18x2.0P	2	5.10kg	1725				
308856	BT50-SLN32-105	206.8							28	63	72	M20x2.0P	5.20kg	1785
308858	BT50-SLN40-115	216.8							30	32	73	90	M20x2.0P	2
308860	BT50-SLN40-120	221.8	6.70kg	2110										
308862	BT50-SLN42-120	221.8	6.70kg	2110										
308864	BT50-SLN50-120	221.8	35	35	78	100	M24x2.0P	3	6.80kg	2255				
308866	BT50-SLN50.8-120	221.8	33.1	28.58	78	95	M20x2.0P		6.80kg	2255				
308868	BT50-SLN50.8-120	221.8	33.1	25.58					6.60kg	3110				
308870	BT50-SLN63-120	221.8	33.1	25.58	80	125	M16x2.0P	6.60kg	3110					

BT/SLN侧固式立铣刀夹头 Side Lock End Mill Holder



特点:

- 内孔公差: H5
- 附有两侧侧固螺丝
- 中心冷却 (DIN69871-AD)
- 动平衡可以达到G6.3, 8000RPM.
- 平衡等级和转速可以根据客户的要求, 但需另行报价。



订购编号 Order No.	型号 Model	L	L2	L3	L4	d2	d3	T	图示	重量 WG	价格 Price
308900	BT40-SLN6-75J	140.4	12	10	45	25	-	M6x1.0P	1	1.30kg	680
308902	BT40-SLN6-150J	215.4	12	10	45	25	30		2	1.50kg	830
308904	BT40-SLN8-75J	140.4	14	12	45	28	-	M8x1.25P	1	1.30kg	680
308906	BT40-SLN8-150J	215.4	14	12	45	28	33		2	1.50kg	830
308908	BT40-SLN10-75J	140.4	15	14	49	35	-	M10x1.05P	1	1.30kg	680
308910	BT40-SLN10-150J	215.4	15	14	49	24	40		2	1.50kg	830
308912	BT40-SLN12-75J	140.4	20	16	54	42	-	M10x1.05P	1	1.50kg	685
308914	BT40-SLN12-150J	215.4	20	16	54	42	47		2	1.70kg	835
308916	BT40-SLN16-75J	140.4	22	18	57	48	-	M12x1.75P	1	1.50kg	685
308918	BT40-SLN16-150J	215.4	22	18	57	48	53		2	1.70kg	835
308920	BT40-SLN20-90J	155.4	25	20	65	50	-	M12x1.75P	1	1.60kg	775
308922	BT40-SLN20-150J	215.4	25	20	65	50	57		2	1.80kg	835
308924	BT40-SLN25-90J	155.4	24	25	68	50	-	M16x2.0P	1	2.50kg	910
308926	BT40-SLN32-100J	165.4	24	28	73	60	47		2	2.75kg	955
308928	BT50-SLN6-75J	176.8	12	10	45	25	47	M6x1.0P	1	3.90kg	1545
308930	BT50-SLN8-75J	176.8	14	12	45	28	47		1	3.90kg	1545
308932	BT50-SLN10-75J	176.8	15	14	49	35	47	M8x1.25P	1	3.90kg	1545
308934	BT50-SLN12-90J	191.8	20	16	54	42	47		1	3.90kg	1620
308936	BT50-SLN12-165J	266.8	20	16	54	42	47	M10x1.05P	2	5.00kg	1805
308938	BT50-SLN16-90J	191.8	22	18	57	48	-		1	3.90kg	1620
308940	BT50-SLN16-165J	266.8	22	18	57	48	53	M10x1.05P	2	5.00kg	1845
308942	BT50-SLN20-90J	191.8	25	20	65	50	-		1	4.50kg	1630
308944	BT50-SLN20-165J	266.8	25	20	65	50	57	M12x1.75P	2	6.00kg	1950
308946	BT50-SLN20-210J	311.8	25	20	65	50	57		2	7.00kg	2255
308948	BT50-SLN25-100J	201.8	24	25	68	50	-	M12x1.75P	1	4.5kg	1715
308950	BT50-SLN25-165J	266.8	24	25	68	50	57		2	5.5kg	2035
308952	BT50-SLN25-210J	311.8	24	25	68	50	57	M12x1.75P	2	6.0kg	2360
308954	BT50-SLN25-250J	351.8	24	25	68	50	57		2	7.0kg	2620
308956	BT50-SLN32-105J	351.8	24	28	73	60	-	M16x2.0P	1	4.8kg	1780
308958	BT50-SLN32-165J	266.8	24	28	73	50	60		2	6.2kg	2105
308960	BT50-SLN32-210J	311.8	24	28	73	50	60	M16x2.0P	2	6.3kg	2430
308962	BT50-SLN32-250J	351.8	24	28	73	50	60		2	7.5kg	2715
308964	BT50-SLN32-300J	401.8	24	28	73	60	65	M16x2.0P	2	8.0kg	3015
									2		

铣削
刀柄
系统

SK
高速
高精

HM
液压

SR
烧结
刀柄

ADS
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强力
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平面
铣
刀柄

莫氏
刀柄

侧固
刀柄

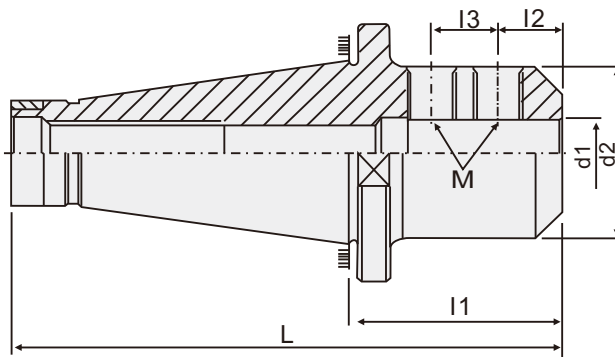
油路
刀柄

NT/SLN侧固式立铣刀柄 Lock End Mill Holder



特点:

- 内孔公差: H5



订购时,请确认拉杆螺丝规格为公制或英制。

单位: mm

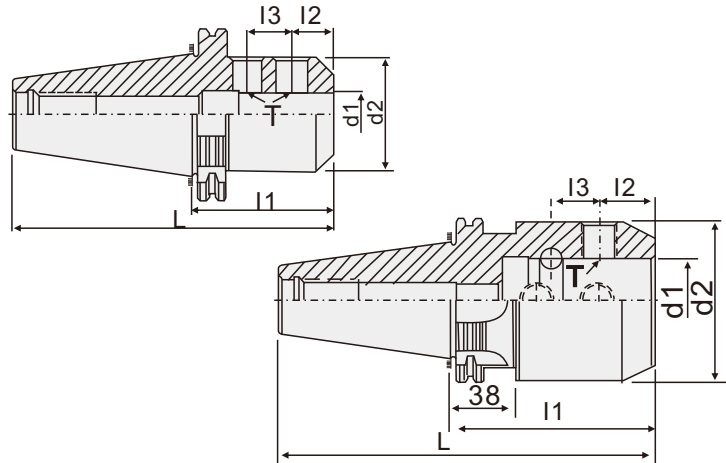
订购编号 Order No.	型号 Model	L	d2	l2	l3	M	重量 WG	价格 Price
309100	NT30-SLN6-40	108.4	25	18	--	M6x1.0P	0.50kg	595
309102	NT30-SLN8-40		28	18		M8x1.25P	0.60kg	600
309104	NT30-SLN10-40		35	20		M10x1.5P	0.60kg	600
309106	NT30-SLN12-50	118.4	42	22.5	--	M12x1.75P	0.65kg	600
309108	NT30-SLN16-50		48	24		M14x2.0P	0.75kg	600
309110	NT30-SLN20-63		52	25		M16x2.0P	1.10kg	610
309112	NT30-SLN25-80	148.4	65	24	25	M18x2.0P	1.20kg	640
309114	NT40-SLN6-50	143.4	25	18	--	M6x1.0P	0.90kg	705
309116	NT40-SLN8-50		28	18		M8x1.25P	0.95kg	695
309118	NT40-SLN10-50		35	20		M10x1.5P	1.10kg	695
309120	NT40-SLN12-50	156.4	42	22.5	--	M12x1.75P	1.00kg	675
309122	NT40-SLN16-63		48	24		M14x2.0P	1.40kg	715
309124	NT40-SLN20-63		52	25		M16x2.0P	1.45kg	745
309126	NT40-SLN25-80	173.4	65	24	25	M18x2.0P	2.10kg	880
309128	NT40-SLN32-80		72	24	28	M20x2.0P	2.50kg	955
309130	NT50-SLN6-63		189.8	25	18	--	M6x1.0P	2.90kg
309132	NT50-SLN8-63	28		18	M8x1.25P		3.00kg	1480
309134	NT50-SLN10-63	35		20	M10x1.5P		3.20kg	1485
309136	NT50-SLN12-63	42		22.5	M12x1.75P		3.30kg	1475
309138	NT50-SLN16-63	48		24	M14x2.0P		3.50kg	1485
309140	NT50-SLN20-63	52		25	M16x2.0P		3.60kg	1535
309142	NT50-SLN25-80	206.8	65	24	25	M18x2.0P	4.20kg	1665
309144	NT50-SLN32-80		72	24	28	M20x2.0P	4.40kg	1670
309146	NT50-SLN40-100		90	30	32		4.40kg	1760
309148	NT50-SLN40-120	90	30	4.20kg			1850	
309150	NT50-SLN42-120	90	30	4.60kg		1715		
309152	NT50-SLN50-120	246.8	100	35	35	M24x2.0P	4.80kg	1855
309154	NT50-SLN63-120		125	40	40		5.40kg	2665
309156	NT50-SLN50.8-120		95	33.1	28 ■ 58	M20x2.0P	5.00kg	1885

DAT/SLN侧固式立铣刀柄 Lock End Mill Holder



特点:

- 内孔公差: H5
- 柄径的动平衡必须符合DIN-1835-B, 及其配套工具也符合本标准。
- 直径允许公差h6~h7内附有两侧侧固螺丝。
- 动平衡可以达到G6.3, 8000RPM。
- 平衡等级和转速可以根据客户的要求, 但需另行报价。



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系统

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刀柄

侧固
刀柄

油路
刀柄

订购编号 Order No.	型号 Model	L	L2	L3	d2	T	图示	重量 WG	价格 Price
309000	DAT30-SLN6-50	97.8	18		25	M6x1.0P		0.73kg	540
309002	DAT30-SLN8-50	97.8	18		28	M18x2.0P		0.80kg	540
309004	DAT30-SLN10-50	97.8	20		35	M10x1.5P		0.90kg	540
309006	DAT30-SLN12-50	97.8	22.5		42	M12x1.75P		0.90kg	525
309008	DAT30-SLN16-63	110.8	24		48	M14x2.0P		1.10kg	550
309010	DAT40-SLN6-50	118.4	18	-	25	M6x1.0P		0.85kg	660
309012	DAT40-SLN8-50	118.4	18		28	M18x2.0P		1.00kg	670
309014	DAT40-SLN10-50	118.4	20		35	M10x1.5P		1.10kg	670
309016	DAT40-SLN12-50	118.4	22.5		42	M12x1.75P		1.15kg	655
309018	DAT40-SLN16-63	131.4	24		48	M14x2.0P		1.40kg	695
309020	DAT40-SLN20-63	131.4	25		52	M16x2.0P		1.30kg	695
309022	DAT40-SLN25-100	168.4	24	25	65	M18x2.0P	1	2.40kg	840
309024	DAT40-SLN32-100	168.4	24	28	72	M20x2.0P		2.70kg	900
309026	DAT50-SLN6-63	164.75	18		25	M6x1.0P		3.10kg	1295
309028	DAT50-SLN8-63	164.75	18		28	M18x2.0P		3.10kg	1295
309030	DAT50-SLN10-63	164.75	20		35	M10x1.5P		3.30kg	1300
309032	DAT50-SLN12-63	164.75	22.5		42	M12x1.75P		3.50kg	1670
309034	DAT50-SLN16-63	164.75	24		48	M14x2.0P		3.45kg	1305
309036	DAT50-SLN20-63	164.75	25		52	M16x2.0P		3.50kg	1310
309038	DAT50-SLN25-80	181.75	24	25	65	M18x2.0P		4.20kg	1400
309040	DAT50-SLN32-100	201.75	24	32	72	M20x2.0P		5.00kg	1515
309042	DAT50-SLN40-100	201.75	30		90	M20x2.0P		5.60kg	1550
309044	DAT50-SLN42-100	201.75	30		90	M20x2.0P		5.70kg	1555
309046	DAT50-SLN50-125	226.75	35	35	100	M24x2.0P		5.90kg	1760
309048	DAT50-SLN50.8-120	221.75	33.1	28.58	95	M20x2.0P	2	5.80kg	2305
309050	DAT50-SLN63-150	250.75	40	40	125	M20x2.0P	1	6.20kg	2395
309052	DAT50-SLN63-150	250.75	40	24	125	M16x2.0P		6.20kg	3305

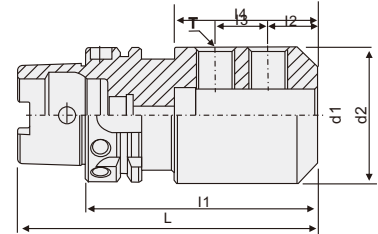
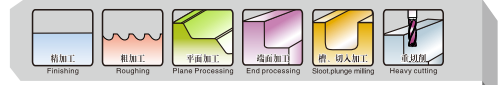
HSK-SLN侧固式刀柄

HSK-SLN Side Lock End Mill Holder



特点:

- 内孔公差: H5
- 柄径的动平衡必须符合DIN-1835-B, 柄径允许公差h6~h7内。
- 都经平衡机检测。
- 动平衡可以达到G6.3, 8000RPM。
- 平衡等级和转速可以根据客户的要求, 但需另行报价。



铣削
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系统

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平面
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刀柄

莫氏
刀柄

侧固
刀柄

油路
刀柄

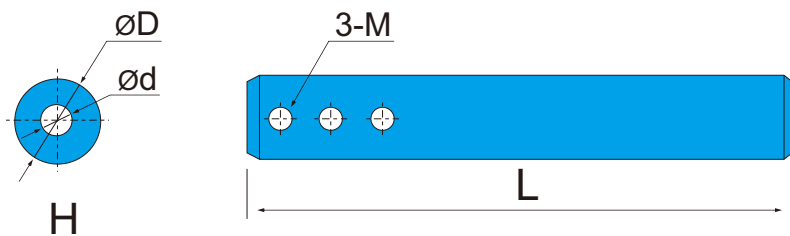
订购编号 Order No.	型号 Model	L	l2	l3	l4	d2	T	重量 WG	价格 Price	
309200	HSK50A-SLN6-65	90	39	18		25	M6x1.0P	0.7kg	1617	
309202	HSK50A-SLN8-65			18		28	M8x1.25P	0.8kg	1625	
309204	HSK50A-SLN10-65			20		35	M10x1.5P	0.8kg	1592	
309206	HSK50A-SLN12-80	105	54	22.5		42	M12x1.75P	1.2kg	1658	
309208	HSK50A-SLN14-80			22.5		44		1.3kg	1667	
309210	HSK50A-SLN16-80			24		48	M14x2.0P	1.3kg	1675	
309212	HSK50A-SLN18-80			24		50		1.4kg	1683	
309214	HSK50A-SLN20-80			25		52		M16x2.0P	1.5kg	1700
309216	HSK63A-SLN6-65	97	39	18		25	M6x1.0P	0.9kg	1908	
309218	HSK63A-SLN8-65			18		28	M8x1.25P	1.0kg	1917	
309220	HSK63A-SLN10-65			20		35	M10x1.5P	1.0kg	1883	
309222	HSK63A-SLN12-80			22.5		42	M12x1.75P	1.7kg	2000	
309224	HSK63A-SLN14-80			22.5		44		1.7kg	1925	
309226	HSK63A-SLN16-80	112	54	24		48	M14x2.0P	1.7kg	1925	
309228	HSK63A-SLN18-80			24		50		1.8kg	1933	
309230	HSK63A-SLN20-80			25		52	M16x2.0P	1.8kg	1933	
309232	HSK63A-SLN25-110			24		25	65	M18x2.0P	2.5kg	2433
309234	HSK63A-SLN32-110	24	28	72	M20x2.0P	2.7kg	2583			
309236	HSK100A-SLN6-80	130	51	18		25	M6x1.0P	3.0kg	3875	
309238	HSK100A-SLN8-80			18		28	M8x1.25P	3.2kg	3883	
309240	HSK100A-SLN10-80			20		35	M10x1.5P	3.4kg	3892	
309242	HSK100A-SLN12-80			22.5		42	M12x1.75P	3.4kg	3975	
309244	HSK100A-SLN14-80			22.5		44		3.5kg	3983	
309246	HSK100A-SLN16-100	150	71	24		48	M14x2.0P	3.8kg	4158	
309248	HSK100A-SLN18-100			24		50		3.8kg	4158	
309250	HSK100A-SLN20-100			25		52	M16x2.0P	3.9kg	4175	
309252	HSK100A-SLN25-100			24		25	65	M18x2.0P	4.0kg	4242
309254	HSK100A-SLN32-100			24		28	72	M20x2.0P	4.1kg	4242
309256	HSK100A-SLN40-120			170		30	32	90	M20x2.0P	4.4kg

INCH 英制规格

订购编号 Order No.	型号 Model	L	l2	l3	l4	d2	T	重量 WG	价格 Price
309300	HSK40A-SLN1/4"-2.5"	3.287	0.63		1.38	0.78	1/4-28	0.31kg	1358
309302	HSK40A-SLN3/8"-2.5"	3.287	0.75		1.535	1	3/8-24	0.42kg	1325
309304	HSK40A-SLN1/2"-2.75"	3.537	0.875		1.732	1.25	7/16-20	0.57kg	1342
309306	HSK40A-SLN5/8"-3"	3.787	0.937		1.85	1.5	1/2-20	0.69kg	1417
309308	HSK63A-SLN1/4"-3"	4.26	0.63		1.38	0.78	1/4-28	0.76kg	1767
309310	HSK63A-SLN3/8"-3"	4.26	0.75		1.535	1	3/8-24	0.88kg	1758
309312	HSK63A-SLN1/2"-3"	4.26	0.875	1.73	1.25	7/16-20	1.13kg	1742	
309314	HSK63A-SLN5/8"-3.75"	5	0.937		1.85	1.5	1/2-20	1.26kg	1842
309316	HSK63A-SLN3/4"-3.75"	5	1		1.929	1.75	5/8-18	1.33kg	1858
309318	HSK63A-SLN1"-3.75"	5	1.125		2.559	2	3/4-16	2.30kg	1942
309320	HSK63A-SLN1-1/4"-4.25"	5.51	1.125	2.559	2.5	2.52kg		2100	
309322	HSK100A-SLN1/4"-3"	4.97	0.63		1.38	0.78	1/4-28	2.16kg	3367
309324	HSK100A-SLN3/8"-3"	4.97	0.75		1.535	1	3/8-24	2.31kg	3358
309326	HSK100A-SLN1/2"-3.25"	5.219	0.875		1.732	1.25	7/16-20	2.45kg	3425
309328	HSK100A-SLN5/8"-3.75"	5.719	0.937		1.85	1.5	1/2-20	2.84kg	3592
309330	HSK100A-SLN3/4"-3.75"	5.719	1		1.929	1.75	5/8-18	2.95kg	3608
309332	HSK100A-SLN1"-4.25"	6.219	1.125		2.559	2	3/4-16	3.46kg	3808
309334	HSK100A-SLN1-1/4"-4.25"	6.219	1.125	2.559	2.5	3.73kg		3842	
309336	HSK100A-SLN1-1/2"-4.5"	6.469	1.125	2.756	2.5	5.51kg	4008		
309338	HSK100A-SLN2"-5.5"	7.469	1.335	1.41	3.347	3.75	1-14	6.37kg	4433

小径侧固式延长连接杆

Small diameter side fixed extended connecting rod



铣削
刀柄
系统

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刀柄

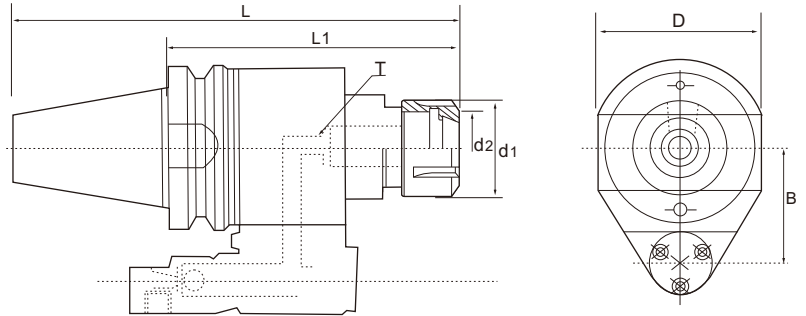
莫氏
刀柄

侧固
刀柄

油路
刀柄

Shank	订购编码 Model No.	库存 Stock	尺寸 Dimension (mm)				适用柄型 Assembly Holder	零件 Parts	
			$\varnothing D$	$\varnothing d$	L	M		扳手Wrench	订购编码 Order Number
Steel	C08-SLN03-110L	●	8	3	110	M3	3mm	L1.5	708150
	C08-SLN04-110L	●	8	4	110	M3	4mm		708151
	C10-SLN03-150L	●	10	3	150	M3	3mm		708152
	C10-SLN04-150L	●	10	4	150	M4	4mm	L2	708153
	C10-SLN06-150L	●	10	6	150	M4	6mm		708154
	C12-SLN03-150L	●	12	3	150	M4	3mm		708155
	C12-SLN04-150L	●	12	4	150	M4	4mm		708156
	C12-SLN06-150L	●	12	6	150	M4	6mm		708157
	C16-SLN04-150L	●	16	4	150	M4	4mm		708158
	C16-SLN04-200L	●	16	4	200	M4	4mm	708159	
	C16-SLN06-150L	●	16	6	150	M4	6mm	708160	
	C16-SLN06-200L	●	16	6	200	M4	6mm	708161	
	C16-SLN08-150L	●	16	8	150	M6	8mm	L3	708162
	C16-SLN08-200L	●	16	8	200	M6	8mm		708163
	C20-SLN06-150L	●	20	6	150	M4	6mm	L2	708164
	C20-SLN06-200L	●	20	6	200	M4	6mm		708165
	C20-SLN08-150L	●	20	8	150	M6	8mm	L3	708166
	C20-SLN08-200L	●	20	8	200	M6	8mm		708167
	C20-SLN10-150L	●	20	10	150	M6	10mm		708168
	C20-SLN10-200L	●	20	10	200	M6	10mm		708169
	C20-SLN12-150L	●	20	12	150	M6	12mm		708170
	C20-SLN12-200L	●	20	12	200	M6	12mm		708171
	C32-SLN06-150L	●	32	6	150	M6	6mm	708172	
	C32-SLN08-150L	●	32	8	150	M6	8mm	708173	
C32-SLN10-150L	●	32	10	150	M6	10mm	708174		
C32-SLN12-150L	●	32	12	150	M6	12mm	708175		

BT/OHER油路刀把套筒 Oil hole collet chuck



单位: mm

订购编号 Order No.	型号 Model	L	l1	D	d1	d2	B	T	重量 N. W.	价格 Price
309700	BT40-OHER16-160	225.4	160	82	28	16	65	M10	3.80kg	4755
309702	BT40-OHER20-160				34	20		M12	4.10kg	4765
309704	BT40-OHER25-160				42	25		M16	4.30kg	4785
309706	BT40-OHER32-160				50	32			4.50kg	4820
309708	BT50-OHER16-160	261.8	160	98	28	16	80	M10	7.00kg	6165
309710	BT50-OHER20-160				34	20		M12	7.10kg	6165
309712	BT50-OHER25-160				42	25		M16	7.20kg	6180
309714	BT50-OHER32-160				50	32			7.30kg	6205
309716	BT50-OHER40-160				63	40			M20	7.50kg

- 铣削刀柄系统
- SK 高速高精
- HM 液压
- SR 烧结刀柄
- ADS 后拉刀柄
- 强力刀柄
- ER 刀柄
- OZ 刀柄
- 攻牙刀柄
- 钻头夹头刀柄
- 平面铣刀柄
- 莫氏刀柄
- 侧固刀柄
- 油路刀柄

BT/OSL侧固式油路刀把
Lock Oil Hole Holder



特点:

- 订购时, 请确认“S”尺寸(中心距离)。
- 使用前请先确认加工中心机的高压装置。
承受水压7kgf/cm²以上。
最高转速: 3000rpm。
油路刀把的水压可依据客户的要求, 但需另行报价。

铣削
刀柄
系统

SK
高速
高精

HM
液压

SR
烧结
刀柄

ADS
后拉
刀柄

强力
刀柄

ER
刀柄

OZ
刀柄

攻牙
刀柄

钻
夹头
刀柄

平面
铣
刀柄

莫氏
刀柄

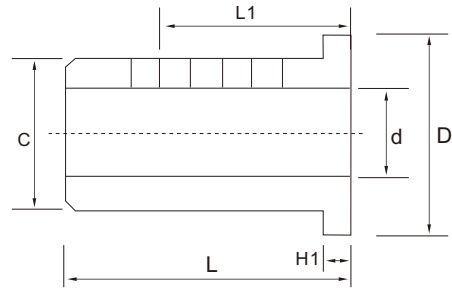
侧固
刀柄

油路
刀柄

单位:mm

订购编号 Order No.	型号 Model	l ₁	l ₂	l ₃	D	d ₂	S	T	重量 N. W.	价格 Price	
309500	BT40-OSL16-165	48	25	-	82	46.5	65	M12x1.75P	3.1kg	4665	
309502	BT40-OSL20-165	50							3.5kg	4670	
309504	BT40-OSL25-165	56	15	20				47	M16x2.0P	3.5kg	4670
309506	BT40-OSL32-165	60				3.5kg	4670				
309508	BT40-OSL16-165S	48	25	-		98	58	80	M12x1.75P	3.1kg	5525
309510	BT40-OSL20-165S	50								3.5kg	5535
309512	BT40-OSL25-165S	56	15	20	49.5				M12x1.75P	3.5kg	5535
309514	BT40-OSL32-165S	60					3.8kg	5540			
309516	BT50-OSL16-165	48	25	-	105		56	80	M14x2.0P	7.0kg	6165
309518	BT50-OSL20-165	50								7.5kg	6175
309520	BT50-OSL25-165	56	15	20		25			M16x2.0P	7.5kg	6175
309522	BT50-OSL32-165	60					7.8kg	6180			
309524	BT50-OSL40-170	62	15	-		M14x2.0P	8.5kg	6195			
309526	BT50-OSL16-165M	48	25	-		98	58	82	M12x1.75P	7.1kg	7585
309528	BT50-OSL20-165M	50			20					7.6kg	7595
309530	BT50-OSL25-165M	56	15	25	M16x2.0P				7.7kg	7595	
309532	BT50-OSL32-165M	60					7.8kg	7595			
309534	BT50-OSL40-170M	62	15	-	M14x2.0P		8.5kg	7610			
309536	BT50-OSL16-165L	48	25	20	98		58	85	M12x1.75P	7.2kg	7585
309538	BT50-OSL20-165L	50				7.8kg				7595	
309540	BT50-OSL25-165L	56	15	25		M16x2.0P			7.8kg	7595	
309542	BT50-OSL32-165L	60					8.0kg	7600			
309544	BT50-OSL40-170L	62	15	-		M14x2.0P	8.7kg	7615			

OSL侧固式油路刀把套筒 Straight sleeve



单位:mm

订购编号 Order No.	型号 Model	d	C	L1	L	D	H1	重量 N. W.	价格 Price
309600	OSL-20-16	16	20	48	54	30	5.5	0.07kg	305
309602	OSL-25-16	16	25	48	60	35		0.19kg	310
309604	OSL-25-20	20	25	50				0.15kg	305
309606	OSL-32-16	16	32	48	64	42		0.35kg	310
309608	OSL-32-20	20	32	50				0.32kg	310
309610	OSL-32-25	25	32	56	75	50		0.22kg	310
309612	OSL-40-16	16	40	48				0.57kg	405
309614	OSL-40-20	20	40	50				0.54kg	405
309616	OSL-40-25	25	40	56				0.45kg	405
309618	OSL-40-32	32	40	60				0.30kg	400

铣削刀柄系统

SK 高速高精

HM 液压

SR 烧结刀柄

ADS 后拉刀柄

强力刀柄

ER 刀柄

OZ 刀柄

攻牙刀柄

钻头夹头刀柄

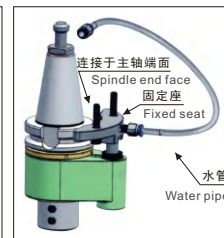
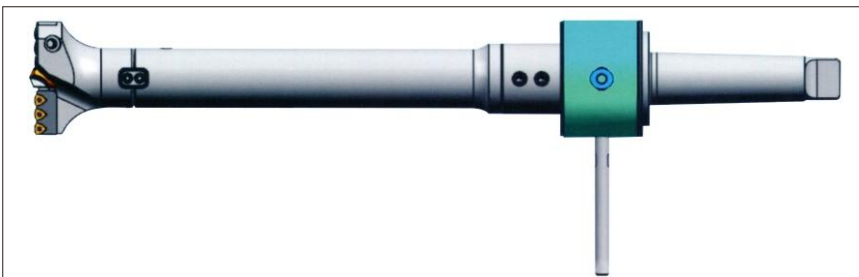
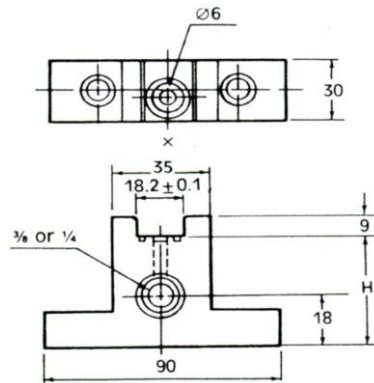
平面铣刀柄

莫氏刀柄

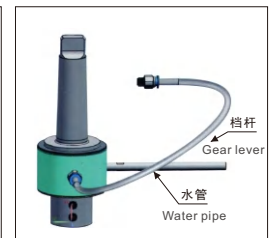
侧固刀柄

油路刀柄

固定座 Fixed seat

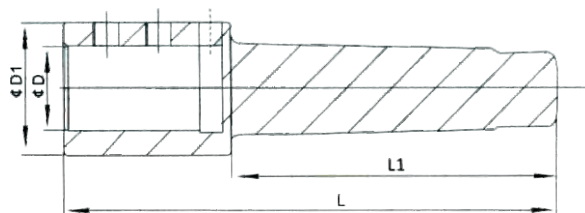
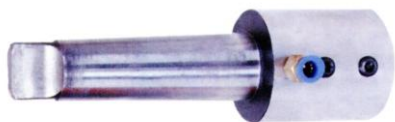


BT柄安装示意图
BT installation diagram

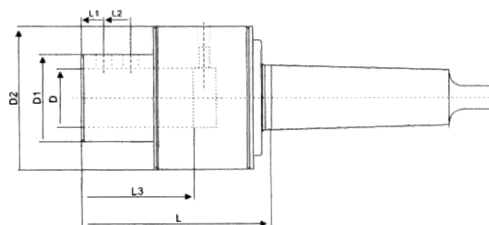
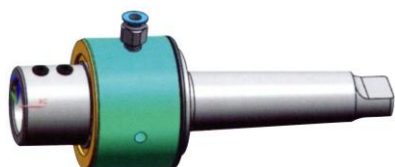


莫氏柄安装示意图
Installation diagram of MTA

莫氏转换柄 Morse transfer Toolholder

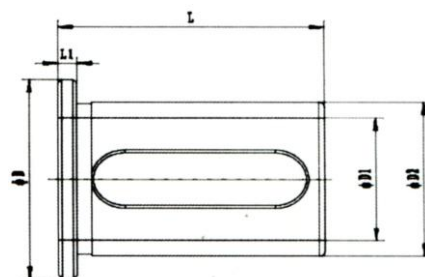


Order	型号	D	D1	L	L1	Price
505500	DIN228-B-32-MTA4	32	64	204	124	1438
505502	DIN228-B-40-MTA4	40	64	204	124	1438
505504	DIN228-B-32-MTA5	32	64	204	156	1563
505506	DIN228-B-40-MTA5	40	64	204	156	1563
505508	DIN228-B-32-MTA6	32	64	303	218	1875
505510	DIN228-B-40-MTA6	40	64	303	218	1875
505512	DIN228-B-50-MTA6	50	74	303	218	2188



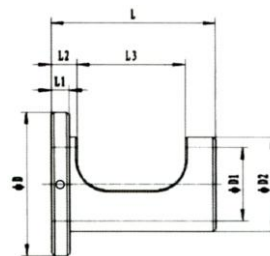
Order	型号	D	D1	D2	L	L1	L2	L3	Price
505600	MT5-YLDB-32	32	55	92	127	15	18	60	5000
505602	MT5-YLDB-40	40	60	98	127	15	18	65	5313
505604	MT6-YLDB-32	32	55	92	127	15	18	60	5625
505606	MT6-YLDB-40	40	60	98	127	15	18	65	5625
505608	MT6-YLDB-50	50	70	108	127	15	18	70	5938

变径套 reduction sleeve



Order	型号	尺寸(mm)						Price
		D	D1	D2	L	L1		
505200	BJT-322062	20	49	32	62	5	500	
505202	BJT-322562	25	49	32	62	5	500	
505204	BJT-402065	20	58	40	65	6	625	
505206	BJT-402565	25	58	40	65	6	625	
505208	BJT-403265	32	58	40	65	6	625	
505210	BJT-502572	25	65	50	70	6	750	
505212	BJT-503272	32	65	50	70	6	750	
505214	BJT-504072	40	65	50	70	6	750	

偏心套 Eccentric sleeve



Order	型号	尺寸(mm)							加工直径调整范围内	中心高调整范围	Price
		∅D1	∅D2	∅D	L	L1	L2	L3			
505300	2025-43	20	25	41	47	6	11	33	+0.4-0.2	+0.2-0.15	1250
505302	2532-48	25	32	49	60	6	11	45	+0.4-0.2	+0.2-0.15	1250
505304	3240-53	32	40	58	65	6	11	50	+0.4-0.2	+0.2-0.15	1563
505306	4050-63	40	50	68	76	6	11	61	+0.6-0.2	+0.2-0.2	1750

铣削
刀柄
系统

SK
高速
高精

HM
液压

SR
烧结
刀柄

ADS
后拉
刀柄

强力
刀柄

ER
刀柄

OZ
刀柄

攻牙
刀柄

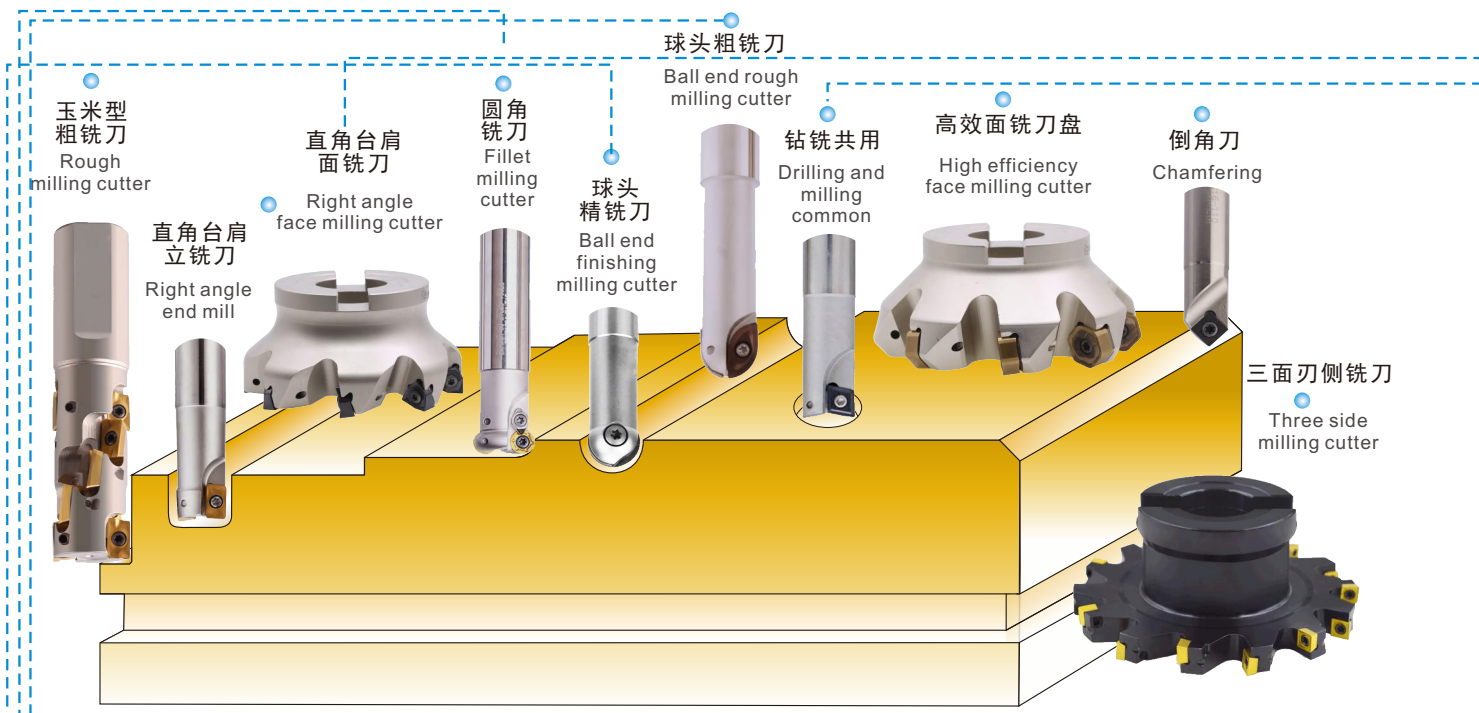
钻
夹头
刀柄

平面
铣
刀柄

莫氏
刀柄

侧固
刀柄

油路
刀柄



- 刀杆
- 刀盘
- 直角台肩立铣刀
- 圆角铣刀
- 球头铣刀
- 钻铣刀杆
- 倒角刀杆
- 玉米铣刀
- 三面刃槽刀
- 快进给系列
- 龙门平面铣刀
- 锁牙式刀柄

圆角立铣刀 Fillet end mill	RP.. D33	EMR D34	EMRM D34	EMR D35	EMRW D36	RC.. D37	R200 D38
	适用刀柄 EMR.. 圆角立铣刀	适用刀片 RP.. 切削直径 $\phi 50\sim\phi 300$ 圆角立铣刀	适用刀片 RP.. 切削直径 $\phi 16\sim\phi 35$ 圆角立铣刀	适用刀片 RP.. 切削直径 $\phi 10\sim\phi 50$ 圆角立铣刀	适用刀片 RP.. 切削直径 $\phi 12\sim\phi 50$ 圆角立铣刀	适用刀柄 R200.. 圆角立铣刀	适用刀片 RC.. 切削直径 $\phi 20\sim\phi 32$ 圆角立铣刀
R200 D38	RD.. D39	TRS D40	TRS D41	TRS D41	RN.. D42	KDR D42	KDR D42
适用刀片 RC.. 切削直径 $\phi 50\sim\phi 200$ 圆角立铣刀	适用刀柄 TRS.. 圆角立铣刀	适用刀片 RD.. 切削直径 $\phi 8\sim\phi 40$ 圆角立铣刀	适用刀片 RD.. 切削直径 $\phi 50\sim\phi 160$ 圆角立铣刀	适用刀片 RD.. 切削直径 $\phi 9\sim\phi 35$ 圆角立铣刀	适用刀柄 KDR.. 圆角立铣刀	适用刀片 RN.. 切削直径 $\phi 32\sim\phi 40$ 圆角立铣刀	适用刀片 RN.. 切削直径 $\phi 40\sim\phi 100$ 圆角立铣刀

BT-MFT D79	MFL D80
适用刀头 螺纹锁牙头 锁牙式刀柄	适用刀头 螺纹锁牙头 锁牙式刀柄

球头粗铣刀
Ball end rough milling cutter

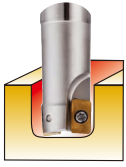
ZC.. D43	BCF D43	SWB.. D44	SWB D44
适用刀柄 BCF.. 球头立铣刀	适用刀片 ZC.. 切削直径 R10~R25 球头立铣刀	适用刀柄 SWB.. 球头立铣刀	适用刀片 SWB.. 切削直径 R12.5~R25 球头立铣刀

球头精铣刀
Ball end finishing milling cutter

ZPFG.. D45	ABPF D45	ABPF D45	ZCFW.. D46	ZPFG D46	ARPF D46
适用刀柄 ABPF.. 球头立铣刀	适用刀片 ZPFG.. 切削直径 R4~R15 球头立铣刀	适用刀片 ZPFG.. 切削直径 R4~R15 球头立铣刀	适用刀柄 ARPF.. 直角台肩立铣刀	球形精铣 仿形加工用	适用刀片 ZCFW.. 切削直径 $\phi 8\sim\phi 30$ 直角台肩立铣刀

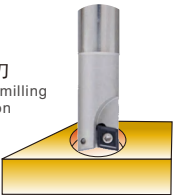
ARPF D47	ARPF D49	BNM.. D50	BNM D50	BNM-R D50	BNM-S D50	T2139 D51	T2139M D51	P3200.. D52
适用刀片 ZCF 双面有孔 仿形加工用	适用刀片 ZCFW 双面有孔 仿形加工用	适用刀柄 BNM.. 球头立铣刀	适用刀片 BNM.. 切削直径 R5~R15 球头立铣刀	适用刀片 BNM.. 切削直径 R5~R15 球头立铣刀	适用刀片 BNM.. 切削直径 $\phi 10\sim\phi 20$ 直角台肩立铣刀	适用刀片 P3200.. 切削直径 R4~R16 球头立铣刀	适用刀片 P3200.. 切削直径 R4~R16 球头立铣刀	适用刀柄 T2139.. 球头立铣刀

直角台肩立铣刀
Right angle end mill



 D03 适用刀片 LMMU.. 切削直径 $\phi 50-\phi 100$ 准重切削加工	 D04 适用刀片4NK(H)T.. 切削直径 $\phi 30-\phi 47$ 面铣刀盘	 D04 适用刀片4NK(H)T.. 刀柄长度150 立铣刀	 D05 适用刀片4NK(H)T.. 刀柄长度40.5 模块式刀头	 D05 深切加工 40.5-3.0 进给0.8-0.04 4NK(H)T刀片	 D06 深切加工 0.2-2.7 进给115-0.07 4NHT06-F刀片	 D06 深切加工 0.2-0.4 进给0.60-0.30 4NKT-HF高进给刀片	 D07 适用刀柄 R217.96.. 直角台肩立铣刀	
 D07 适用刀片 WN.. 切削直径 $\phi 20-\phi 35$ 直角台肩立铣刀	 D07 适用刀片 WN.. 切削直径 $\phi 40-\phi 63$ 直角台肩立铣刀	 D08 适用刀柄 MFWN.. 直角台肩立铣刀	 D08 最高转速18500 带冷却孔 MFWN立铣刀	 D09 适用刀片 WN.. 切削直径 $\phi 50-\phi 250$ 直角台肩立铣刀	 D11 适用刀柄 6NT.. 直角台肩立铣刀	 D11 适用刀片 6NGU.. 切削直径 $\phi 20-\phi 40$ 直角台肩立铣刀	 D12 适用刀片 6NGU.. 切削直径 $\phi 40-\phi 160$ 直角台肩立铣刀	 D12 适用刀柄 3PT.. 直角台肩立铣刀
 D12 适用刀片 3PKT.. 切削直径 $\phi 16-\phi 50$ 直角台肩立铣刀	 D14 适用刀片 3PKT.. 切削直径 $\phi 40-\phi 160$ 直角台肩立铣刀	 D16 适用刀柄 AHU 直角台肩立铣刀	 D15 适用刀片 JDMT.. 切削直径 $\phi 10-\phi 32$ 直角台肩立铣刀	 D16 适用刀片 JDMT.. 切削直径 $\phi 50-\phi 100$ 直角台肩立铣刀	 D16 适用刀片 JDMT.. 切削直径 $\phi 10-\phi 35$ 直角台肩立铣刀	 D17 适用刀柄 ASM.. 直角台肩立铣刀	 D17 适用刀片 JDMT07.. 切削直径 08-021 直角台肩立铣刀	 D17 适用刀片 JDMT07.. 切削直径 08-032 直角台肩立铣刀
 D18 适用刀柄 AP10.. 直角台肩立铣刀	 D18 适用刀片 APKT.. 切削直径 $\phi 16-\phi 20$ 直角台肩立铣刀	 D18 适用刀片 APKT.. 切削直径 $\phi 16-\phi 32$ 直角台肩立铣刀	 D18 适用刀片 APKT.. 切削直径 $\phi 40-\phi 63$ 直角台肩立铣刀	 D19 适用刀柄 BAP.. 直角台肩立铣刀	 D20 适用刀片 APMT.. 切削直径 $\phi 10-\phi 50$ 直角台肩立铣刀	 D21 适用刀片 APMT.. 切削直径 $\phi 50-\phi 300$ 直角台肩立铣刀	 D21 适用刀片 APMT.. 切削直径 $\phi 74-\phi 326$ 直角台肩立铣刀	 D22 适用刀片 APMT.. 切削直径 $\phi 16-\phi 35$ 直角台肩立铣刀
 D22 适用刀片 APMT.. 切削直径 $\phi 40-\phi 300$ 直角台肩立铣刀	 D22 适用刀片 APMT.. 切削直径 $\phi 50-\phi 250$ 面铣刀盘	 D23 适用刀柄 R390.. 直角台肩立铣刀	 D23 适用刀片 R390.. 切削直径 $\phi 16-\phi 32$ 直角台肩立铣刀	 D24 适用刀片 R390.. 切削直径 $\phi 50-\phi 160$ 直角台肩立铣刀	 D24 适用刀片 R390.. 切削直径 $\phi 16-\phi 32$ 直角台肩立铣刀	 D25 适用刀柄 RT.. 直角台肩立铣刀	 D25 适用刀片 RT.. 切削直径 06-035 直角台肩立铣刀	 D26 适用刀片 RT.. 切削直径 $\phi 10-\phi 35$ 直角台肩立铣刀
 D26 适用刀柄 T217.69.. 直角台肩立铣刀	 D26 适用刀片 XOMX.. 切削直径 08-026 直角台肩立铣刀	 D27 适用刀柄 EPX3000.. 直角台肩立铣刀	 D27 适用刀片 AOMT.. 切削直径 $\phi 12-\phi 40$ 直角台肩立铣刀	 D28 适用刀柄 FMP02R.. 直角台肩立铣刀	 D28 适用刀片 SEET.. 切削直径 $\phi 50-\phi 315$ 直角台肩立铣刀	 D29 适用刀柄 UEX.. 直角台肩立铣刀	 D29 适用刀片 AP/AD.. 切削直径 $\phi 12-\phi 30$ 直角台肩立铣刀	 D29 适用刀片 EDC.. 切削直径 $\phi 16-\phi 32$ 直角台肩立铣刀
 D30 适用刀柄 TE90.. 直角台肩立铣刀	 D30 适用刀片 AXMT.. 切削直径 08-035 直角台肩立铣刀	 D30 适用刀片 AXMT.. 切削直径 09-035 直角台肩立铣刀	 D31 适用刀柄 TP.. 直角台肩立铣刀	 D31 适用刀片 TP.. 切削直径 $\phi 16-\phi 80$ 直角台肩立铣刀	 D31 适用刀片 TP.. 切削直径 $\phi 40-\phi 200$ 直角台肩立铣刀	 D32 适用刀片 SDMT.. 切削直径 $\phi 50-\phi 125$ 直角台肩立铣刀	 D32 适用刀片 SPMT.. 切削直径 $\phi 50-\phi 160$ 直角台肩立铣刀	 D32 适用刀片 SOMT.. 切削直径 $\phi 50-\phi 125$ 直角台肩立铣刀
 D32 适用刀片 AXMT.. 切削直径 $\phi 50-\phi 160$ 直角台肩立铣刀								

钻铣刀
Drilling and milling
common



 D53 适用刀柄 TJU/CH.. 钻孔铣削共用立铣刀	 D53 适用刀片 CC.. 切削直径 $\phi 14-\phi 32$ 钻孔铣削共用立铣刀	 D53 适用刀片 CC/CP.. 切削直径 08-032 钻孔铣削共用立铣刀	 D54 适用刀柄 ASJ.. 钻孔铣削共用立铣刀	 D54 适用刀片 AD/AP.. 切削直径 $\phi 17-\phi 35$ 钻孔铣削共用立铣刀
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刀杆
刀盘

直角
台肩
立铣刀

圆角
铣刀

球头
铣刀

钻铣
刀杆

倒角
刀杆

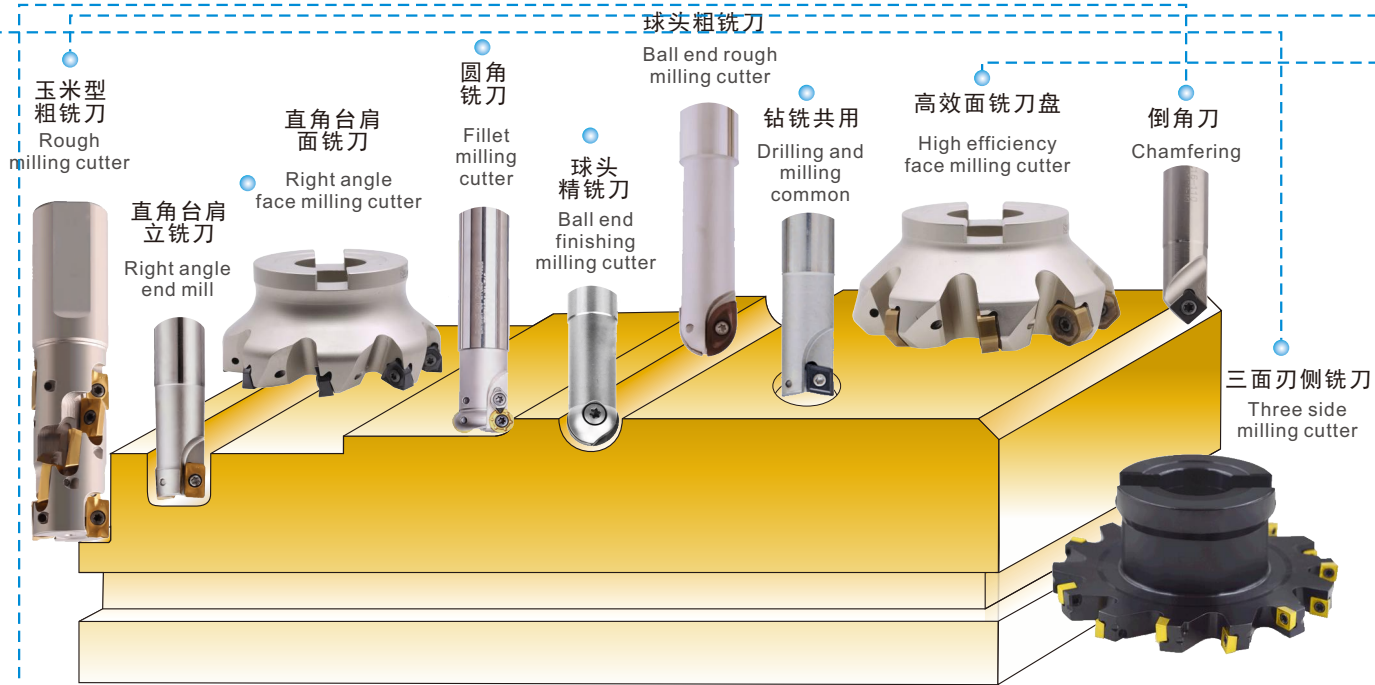
玉米
铣刀

三
面
刃
槽刀

快
进
给
系列

龙门
平面
铣刀

锁
牙
式
刀柄



刀杆
刀盘

直角台肩立铣刀

圆角铣刀

球头铣刀

钻铣杆

倒角刀杆

玉米铣刀

三面刃槽刀

快进给系列

龙门平面铣刀

锁牙式刀柄

倒角刀 Chamfering	TCMX	SSP	SSP	SP	B45	SSP	SDMB	SD	
	D55	D55	D56	D57	D57	D58	D59	D59	
	适用刀柄 SSP.. 45°定位倒角刀	适用刀片 TCMX.. 切削直径 $\varnothing 40\text{--}\varnothing 63$ 45°定位倒角刀	适用刀片 DCEX 刀长40-80 定点钻/倒角刀	刀径5.0-9.8 SPGX 铣削刀片	适用刀片 SPMT 刀长60-180 铣削刀片	适用刀片 SPGX 倒角角度90° 定点钻/倒角刀	适用刀柄 SD.. 45°倒角刀	适用刀片 SDMB.. 切削直径 $03\text{--}050$ 内外45°倒角刀	
	TP	TP	TCMT	SSO	SSY	SSH	ADNT	SSK	APMT
	D60	D60	D61	D61	D61	D62	D63	D63	D64
	适用刀柄 TP.. 30°/45°/60°倒角刀	适用刀片 TP.. 切削直径 $\varnothing 5\text{--}\varnothing 50$ 30°/45°/60°倒角刀	适用刀柄 TP.. 倒角刀	适用刀片 TCMT.. 切削直径 $\varnothing 11\text{--}\varnothing 16$ 15°倒角刀	适用刀片 TCMT.. 切削直径 $03\text{--}020$ 30°倒角刀	适用刀片 TCMT.. 切削直径 $04\text{--}025$ 60°倒角刀	适用刀柄 SSK.. 45°倒角刀	适用刀片 ADNT.. 切削直径 $08\text{--}020$ 45°倒角刀	适用刀柄 SSK.. 45°倒角刀
	SSK	MC	BC	MC	CA	XCET	ECC		
	D64	D65	D65	D65	D66	D67	D67		
	适用刀片 APMT.. 切削直径 $03\text{--}050$ 45°倒角刀	适用刀片 SDMT.. 切削直径 $\varnothing 12\text{--}\varnothing 30$ 倒角刀	适用刀片 TCMT.. 倒拉45°倒角刀	适用刀片 CCMT.. 切削直径 $\varnothing 18\text{--}\varnothing 40$ 倒拉沉头刀	适用刀片 CCMT.. 切削直径 $\varnothing 18\text{--}\varnothing 98$ 模坯专用双倒角沉头	适用刀片 有孔 倒角刀	适用刀片 XCET 可45°切削、可倒角、V槽切削 舍弃式倒角刀		

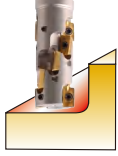
三面刃侧铣刀
Three side milling cutter



HTS
D73
适用刀片 CCMT 刀长120-200 T型槽铣刀

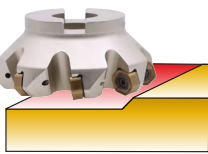
TMR	MPHT	DMP	DMP	DMP	SPMG	SMP	SMP	XSEQ
D74	D75	D75	D76	D76	D77	D77	D78	D79
适用刀片 RCMT 刀长150 T型槽铣刀	适用刀柄 DMP.. 三面刃T型槽侧铣刀	适用刀片 MPHT.. 切削直径 $\varnothing 80\text{--}\varnothing 200$ 三面刃T型槽侧铣刀	适用刀片 MPHT.. 切削直径 $\varnothing 21\text{--}\varnothing 50$ 三面刃T型槽侧铣刀	适用刀片 MPHT.. 切削直径 $\varnothing 80\text{--}\varnothing 200$ 三面刃T型槽侧铣刀	适用刀柄 SMP.. 三面刃T型槽侧铣刀	适用刀柄 SPMG 刀柄直径 $\varnothing 80\text{--}\varnothing 200$ 三面刃铣刀 (卡扣型)	适用刀片 SPMG.. 切削直径 $\varnothing 80\text{--}\varnothing 200$ 三面刃T型槽侧铣刀	适用刀柄 SMP01.. 三面刃T型槽侧铣刀
SMP01	SMP01	ATS	890	YWD	TGF/TT43..	SMT	SMT	SMT
D79	D80	D81	D81	D82	D83	D84	D84	D84
适用刀片 XSEQ.. 切削直径 $\varnothing 100\text{--}\varnothing 250$ 三面刃T型槽侧铣刀	适用刀片 XSEQ.. 切削直径 $\varnothing 63\text{--}\varnothing 160$ 三面刃T型槽侧铣刀	适用刀片 CC.. 切削直径 $\varnothing 24\text{--}\varnothing 49$ 三面刃T型槽侧铣刀	适用刀片 N331.. 切削直径 $\varnothing 98\text{--}\varnothing 115$ 三面刃T型槽侧铣刀	适用刀片 DCMT 三刃侧铣刀 YWD燕尾槽铣刀	适用刀柄 SMT.. 三面刃T型槽侧铣刀	适用刀片 TGF/TT.. 切削直径 $\varnothing 25\text{--}\varnothing 44$ 三面刃T型槽侧铣刀	适用刀片 TGF/TT.. 切削直径 $\varnothing 25\text{--}\varnothing 44$ 三面刃T型槽侧铣刀	适用刀片 TT43.. 切削直径 $\varnothing 63\text{--}\varnothing 80$ 三面刃T型槽侧铣刀

粗加工侧铣刀
Rough side milling cutter



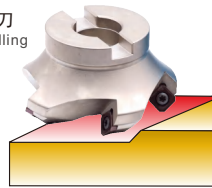
	APMT D70 适用刀柄 AP.. 玉米型粗铣刀	AP D70 适用刀片 APMT.. 切削直径 $\phi 25-\phi 50$ 玉米型粗铣刀	AP D70 适用刀片 APMT.. 切削直径 $\phi 50-\phi 80$ 玉米型粗铣刀
AP D70 适用刀片 APMT.. 切削直径 $\phi 50-\phi 80$ 玉米型粗铣刀	LPMT D71 适用刀柄 SPM.. 玉米型粗铣刀	SPMT D71 适用刀柄 SPC.. 玉米型粗铣刀	SPM D71 适用刀片 LP+SP.. 切削直径 $\phi 25-\phi 50$ 玉米型粗铣刀
SPC D71 适用刀片 LP+SP.. 切削直径 $\phi 50-\phi 80$ 玉米型粗铣刀	SPC D72 适用刀片 LP+SP.. 切削直径 $\phi 50-\phi 80$ 玉米型粗铣刀	HMP01 D72 适用刀片 LP+SP.. 切削直径 $\phi 50-\phi 80$ 玉米型粗铣刀	HMP01 D72 适用刀片 LP+SP.. 切削直径 $\phi 50-\phi 80$ 玉米型粗铣刀

高进给铣刀
High feed milling cutter



ASR D85 适用刀片 JDMW.. 切削直径 $\phi 16-\phi 40$ 高进给立铣刀	SDMT D86 适用刀柄 ASF15.. 高进给立铣刀
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面铣刀
Face milling



	SEMT D111 适用刀柄 ASX445.. 平面铣削加工	ASX445 D112 适用刀片 SEMT.. 切削直径 $\phi 50-\phi 250$ 平面铣削加工
SEET D113 适用刀柄 R245.. 平面铣削加工	R245 D113 适用刀片 SEET.. 切削直径 $\phi 63-\phi 250$ 平面铣削加工	AL-KM D114 适用刀片 SEKT.. 切削直径 $\phi 50-\phi 300$ 平面铣削加工
SEKT D115 适用刀柄 KM.. 平面铣削加工	SEHT D115 适用刀柄 KM.. 平面铣削加工	SD-45° D116 适用刀片 SD.. 切削直径 $\phi 80-\phi 300$ 平面铣削加工
SE-45° D116 适用刀片 SE.. 切削直径 $\phi 80-\phi 300$ 平面铣削加工	SP-65° D116 适用刀片 SP.. 切削直径 $\phi 80-\phi 300$ 平面铣削加工	SEKR D117 适用刀柄 SE.. 平面铣削加工
SEKN D117 适用刀柄 SE.. 平面铣削加工	FP-75° D117 适用刀片 SP.. 切削直径 $\phi 80-\phi 300$ 平面铣削加工	

刀杆
刀盘

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻铣
刀杆

倒角
刀杆

玉米
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ASRM D86 适用刀片 EPNW.. 切削直径 $\phi 16-\phi 40$ 高进给立铣刀	ASR D87 适用刀片 SDNW.. 单面有孔 铣削刀片	ASR D88 适用刀片 EPNW.. 切削直径 $\phi 50-\phi 63$ 高进给立铣刀	ASF D88 适用刀片 SDMT.. 切削直径 $\phi 80-\phi 200$ 高进给立铣刀	MYH D89 适用刀片 SOMT 刀杆长150-300 MFH快速进给铣刀杆	MFH D90 适用刀片 SOMT 刀盘直径22-40 MFH快速进给铣刀盘	MFH D90 适用刀片 SOMT 刀盘直径22-40 MFH快速进给铣刀盘	MFH D90 适用刀片 SOMT 刀头总长57-63 MFH快速进给锁牙式铣刀头	AJX D91 适用刀片 JDMW.. 切削直径 $\phi 16-\phi 50$ 高进给立铣刀
JOMW/JDMW D92 适用刀柄 AJX.. 高进给立铣刀	AJX D92 适用刀片 JDMW.. 切削直径 $\phi 50-\phi 100$ 高进给立铣刀	AJX D92 适用刀片 JDMW.. 切削直径 $\phi 16-\phi 26$ 高进给立铣刀	WDMW D93 适用刀柄 SKS.. 高进给立铣刀	SKS D93 适用刀片 WDMW.. 切削直径 $\phi 50-\phi 100$ 高进给立铣刀	SKS D94 适用刀片 WDMW.. 切削直径 $\phi 116-\phi 40$ 高进给立铣刀	WPMT D95 适用刀柄 TXP.. 高进给立铣刀	TXP D96 适用刀片 WPMT.. 切削直径 $\phi 25-\phi 40$ 高进给立铣刀	TXP D96 适用刀片 WPMT.. 切削直径 $\phi 50-\phi 100$ 高进给立铣刀
双面 HNGX D97 适用刀柄 KSHR.. 高进给立铣刀	KSHR D97 适用刀片 HNGX.. 切削直径 $\phi 40-\phi 315$ 高进给立铣刀	OD D98 适用刀片 ODMT.. 切削直径 $\phi 63-\phi 125$ 高进给立铣刀	HEP D98 适用刀片 XDMT.. 切削直径 $\phi 63-\phi 200$ 高进给立铣刀	MFPN66 D99 适用刀片 PNMU.. 刀头总长110 MFPN66双面10角面铣刀	TEN09R D101 适用刀片 PNMU.. 刀头总长115-120 TEN09R双面10角面铣刀	TEN09R D102 适用刀片 PNMU.. 刀盘直径50-250 TEN09R双面10角面铣刀盘	双面 BLMP D103 适用刀柄 TEBL.. 高进给立铣刀	TEBL D103 适用刀片 BLMP.. 切削直径 $\phi 16-\phi 33$ 高进给立铣刀
TEBL D104 适用刀片 BLMP.. 切削直径 $\phi 40-\phi 63$ 高进给立铣刀	TEBL D104 适用刀片 BLMP 刀头长25-43 快速进给锁牙式刀头	双面 LNMU D105 适用刀柄 EXN03.. 高进给立铣刀	EXN03 D105 适用刀片 LNMU.. 切削直径 $\phi 16-\phi 35$ 高进给立铣刀	EXN03 D106 适用刀片 LNMU.. 切削直径 $\phi 40-\phi 63$ 高进给立铣刀	EXN03R D106 适用刀片 LNMU.. 双面四角刀头 EFH03R快速进给锁牙式刀头	LOGU D107 适用刀片 LOGU.. 双面四角刀片 EFH03R机夹式快速进给立铣刀	EFH03R D108 适用刀片 LOGU.. 双面四角刀片 EN03R机夹式快速进给立铣刀刀盘	EFH03R D108 适用刀片 LOGU.. 双面四角刀片 EN03R快速进给锁牙式刀头

切削形态: ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ✘ 不稳定切削 Unstable Cutting

应用 用途 Application	产品图片 Product Image	几何尺寸 Dimensioning	规格型号 Specification	尺寸 Dimension (mm)						配套刀柄 Matching Toolholder	材料兼容性 Material Compatibility
				rℓ	A	B	T	L	a		
P 钢 M 不锈钢 K 铸铁 N 铝/铜/镁/锌/塑料/木材 S 硬质合金/粉末冶金 H 钛/高温合金/碳纤维	Steel Stainless Steel Iron Aluminum/Copper/Magnesium/Zinc/Plastic/Wood Carbide/Powder Metallurgy Titanium/Superalloy/Carbon Fiber										● ●
High Feed Milling 高进给铣削加工			WNMU 0404	0.8	6.35	-	4.76				● ● ● ●
High Feed Milling 高进给铣削加工			WNMU 080604EN-GM 080608EN-GM 低阻力 080608EN-SM 重切削用 080608EN-GH	0.4 0.8 0.8 0.8	14.02 14.02 14.02 14.02	- - - -	6.65 6.65 6.65 6.65				● ● ● ●
Right Angle Milling 直角台肩铣削			M6NGU 060404R-M 060405R-M 060408R-M 060410R-M 060416R-M	0.4 0.5 0.8 1.0 1.6	9.26 9.26 9.26 9.26 9.26	2.36 2.36 1.96 1.76 1.16	4.76 4.76 4.76 4.76 4.76	- - - - -	6.2 6.2 6.2 6.2 6.2		● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●
Right Angle Milling 直角台肩铣削			M6NGU 090504R-M 090508R-M 090516R-M	0.4 0.8 1.6	13.05 13.05 13.05	2.2 2.0 1.2	6.74 6.74 6.74	- - -	9.2 9.2 9.2		● ● ● ● ● ● ● ● ● ● ● ●
Right Angle Milling 直角台肩铣削			3PKT 100404R-M 100408R-M 150508R-M 190608R-M 190616R-M	0.4 0.5 0.8 1.0 1.6	6.9 6.9 10.7 13.5 13.5	1.3 0.9 1.6 2.0 1.2	4 4 5 6 6	- - - - -	7 7 11 15 15		● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●
Right Angle Milling 直角台肩铣削			3PKT 100404R-ML 150508R-ML 190608R-ML	6.9 10.7 13.5	6.9 10.7 13.5	0.9 1.6 2.0	4 5 6	- - -	7 11 15		● ● ● ● ● ● ● ● ● ● ● ●
Right Angle Milling 直角台肩铣削			3PHT 100404R-AL 100408R-AL 150508R-AL 190608R-AL 铝专用 Special for Aluminum	6.9 6.9 10.7 13.5	6.9 6.9 10.7 13.5	1.3 0.9 1.6 2.0	4 4 5 6	- - - -	7 7 11 15		● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●
Right Angle Milling 直角台肩铣削			JDMT 100304R 100308R 100320R 100332R 150504R 150508R 150520R 150530R	0.4 0.8 2.0 3.2 0.4 0.8 2.0 3.0	11.0 11.0 11.0 11.0 16.0 16.0 16.0 16.0	6.1 6.1 6.1 6.1 9.12 9.12 9.12 9.12	3.5 3.5 3.5 3.5 5.0 5.0 5.0 5.0	- - - - - - - -	10 10 10 10 15 15 15 15		● ●
Right Angle Milling 直角台肩铣削			JDMT 070202R 070204R 070208R	0.2 0.4 0.8	6.4 6.4 6.4	4.3 4.3 4.3	2.45 2.45 2.45		6 6 6		● ● ● ● ● ● ● ● ● ● ● ●
Right Angle Milling 直角台肩铣削			EDMT 070220R-T 070220R	2.0 2.0	6.4 6.4	4.3 4.3	2.5 2.5		6 6		● ● ● ● ● ● ● ●
Right Angle Milling 直角台肩铣削			APKT 1003PDR-HM 1003PDTR-76 1003PDTR-RM 100308PDTR-RM 100310PDR-RM 100312TR-RM 100316PDR-RM 100320PDTR-RM	0.5 0.5 0.5 0.8 1.0 1.2 1.6 2.0	10.95 11.00 11.00 11.00 10.75 10.50 10.90 10.90	6.7 6.7 6.7 6.7 6.7 6.7 6.7 6.7	3.55 3.47 3.47 3.47 3.47 3.47 3.47 3.47			● ●	

刀杆
刀盘

直角
台肩
立刀

圆角
铣刀

球头
铣刀

钻铣
刀杆

倒角
刀杆

玉米
铣刀

三面
刃槽刀

快
进给
系列

龙门
平面
铣刀

锁
牙式
刀柄

切削形态: ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ✖ 不稳定切削 Unstable Cutting

Application 用途	Product Image 产品图片	Dimensioning 几何尺寸	Specification 规格型号	Dimension (mm) 尺寸						Matching Toolholder 配套刀柄	Cutting Environment 切削环境					
				r _ε	A	B	T	L	a		P	M	K	N	S	H
直角台肩铣削 Right Angle Milling			RT 070204R-81 100304R-81 100304R-31 100308R-81	0.4 0.4 0.4 0.8	6.4 11 11 11	4.3 6.35 6.35 6.35	2.38 3.4 3.4 3.4	1.3 1.8 1.8 1.8	1.5 2.1 2.1 2.1	刀柄: (Toolholder) D25-D26	●●●● ●●●● ●●●● ●●●●	●●●● ●●●● ●●●● ●●●●	●●●● ●●●● ●●●● ●●●●	●●●● ●●●● ●●●● ●●●●		
直角台肩铣削 Right Angle Milling			XOMX 060208FR-E03 060208R-M05 090308FR-E05 120408TR-M06	0.8 0.8 0.8 0.8	6.94 6.94 10.8 11.41	4.09 4.09 6.35 8.18	2.45 2.45 3.65 4.15			刀柄: (Toolholder) D26	●●●● ●●●● ●●●● ●●●●	●●●● ●●●● ●●●● ●●●●	●●●● ●●●● ●●●● ●●●●	●●●● ●●●● ●●●● ●●●●		
直角台肩铣削 Right Angle Milling			AOMT 123602PEER-M 123604PEER-M 123608PEER-M 123612PEER-M 123616PEER-M 123620PEER-M 123624PEER-M 123632PEER-M	0.2 0.4 0.8 1.2 1.6 2.0 2.4 3.2	12	6.6	3.6			刀柄: (Toolholder) D27	●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●●	●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●●	●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●●	●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●●		
直角台肩铣削 Right Angle Milling			SEET 09T308PER-PF 09T308PER-PM 09T308PER-PR SEET 120308PER-PF 120308PER-PM 120308PER-PR	0.8 0.8 0.8 0.8 0.8 0.8	9.525 9.525 9.525 13.308 13.308 13.308	9.525 9.525 9.525 13.308 13.308 13.308	4.01 4.01 4.01 4.04 4.04 4.04			刀柄: (Toolholder) D28	●●●● ●●●● ●●●● ●●●● ●●●● ●●●●	●●●● ●●●● ●●●● ●●●● ●●●● ●●●●	●●●● ●●●● ●●●● ●●●● ●●●● ●●●●	●●●● ●●●● ●●●● ●●●● ●●●● ●●●●		
直角台肩铣削 Right Angle Milling			APET 120202SR 120204SR 120208SR APNT 120208SR ADET 160302SR 160304SR 160308SR ADNT 160308SR	0.2 0.4 0.8 0.8 0.2 0.4 0.8 0.8	12.7 12.7 12.7 12.7 15.875 15.875 15.875 15.875	7.938 7.938 7.938 7.938 9.525 9.525 9.525 9.525	2.5 2.5 2.5 2.5 3.18 3.18 3.18 3.18		11° 11° 11° 11° 15° 15° 15° 15°	刀柄: (Toolholder) D29,D63	●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●●	●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●●	●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●●	●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●●		
直角台肩铣削 Right Angle Milling			AXMT 0602PER-EM 060204R-EM 060208R-EM 060216R-EM	0.2 0.4 0.8 1.6	6 6 6 6	4.15 4.15 4.15 4.15	2.6 2.6 2.6 2.6	1.0 1.0 1.0 1.0	5.75 5.75 5.75 5.75	刀柄: (Toolholder) D30	●●●● ●●●● ●●●● ●●●●	●●●● ●●●● ●●●● ●●●●	●●●● ●●●● ●●●● ●●●●	●●●● ●●●● ●●●● ●●●●		
直角台肩铣削 Right Angle Milling			AXMT 0903PER-ML 0903PER-EML 090308R-EML 090316R-ML 090320R-EML 090332R-EML	0.4 0.4 0.8 1.6 2.0 3.2	9.5 9.5 9.5 9.5 9.5 9.5	6.21 6.21 6.21 6.21 6.21 6.21	3.6 3.6 3.6 3.6 3.6 3.6	1.4 0.84 - - - -	8.8 8.8 8.8 8.8 8.8 8.8	刀柄: (Toolholder) D30	●●●● ●●●● ●●●● ●●●● ●●●● ●●●●	●●●● ●●●● ●●●● ●●●● ●●●● ●●●●	●●●● ●●●● ●●●● ●●●● ●●●● ●●●●	●●●● ●●●● ●●●● ●●●● ●●●● ●●●●		
直角台肩铣削 Right Angle Milling			AXCT 060202R-AL 060204R-AL 0903PER-AL 铝专用 Special for Aluminum	0.2 0.4 0.4	6 6 9.5	4.15 4.15 6.21	2.6 2.6 3.6	0.83 0.83 0.83	5.75 5.75 8.8	刀柄: (Toolholder) D30	●●●● ●●●● ●●●●	●●●● ●●●● ●●●●	●●●● ●●●● ●●●●	●●●● ●●●● ●●●●		
平面铣削 / 倒角加工 Plane milling / chamfering			TPKN 110304 110308 160304 160308 220404 220408 220412 2204PDR	0.4 0.8 0.4 0.8 0.4 0.8 1.2 -	11 11 16.5 16.5 22 22 22 22	6.35 6.35 9.525 9.525 12.7 12.7 12.7 12.7	3.18 3.18 3.18 3.18 4.76 4.76 4.76 4.76			刀柄: (Toolholder) D31,D60	●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●●	●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●●	●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●●	●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●●		
平面铣削 / 倒角加工 Plane milling / chamfering			TPMR 090204 110304 110308 160304 160308 160312 220412 330916	0.4 0.4 0.8 0.4 0.8 1.2 1.2 1.6	9.6 11 11 16.5 16.5 16.5 22 33	5.56 6.35 6.35 9.525 9.525 9.525 12.7 19.05	2.38 3.18 3.18 3.18 3.18 3.18 4.76 9.52			刀柄: (Toolholder) D31,D60	●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●●	●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●●	●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●●	●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●●		

刀杆
刀盘

直角
台肩
立铣刀

圆角
铣刀

球头
铣刀

钻头
刀杆

倒角
刀杆

玉米
铣刀

三面
刃槽刀

快
进给
系列

龙门
平面
铣刀

锁
牙式
刀柄

铣刀片

机夹式铣削刀片 CNC Milling Inserts

切削形态: ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ✖ 不稳定切削 Unstable Cutting

Application 用途	Product Image 产品图片	Dimensioning 几何尺寸	Specification 规格型号	Dimension (mm) 尺寸						Matching Toolholder 配套刀柄	PCD CBN-K CBN-S ZN60 ZK01 ZK05 ZP150 ZP152 ZP163
				rℓ	A	B	T	L	a		
圆角铣削加工 Fillet milling			RPGT 08T2-AL 1003-AL 10T3-AL 1204-AL	4 5 5 6	8 10 10 12			2.78 3.15 3.97 4.76	11° 11° 11° 11°	刀柄: (Toolholder) D33-D36 T型槽:D74	● ● ● ●
圆角铣削加工 Fillet milling			RPEW 0802MO 1003MO 1003MO-DU 1204MOF	4 5 5 6	8 10 10 12			2.38 3.15 3.97 4.76	11° 11° 11° 11°	刀柄: (Toolholder) D33-D36 T型槽:D74	●●●● ●●●● ●●●● ●●●●
圆角铣削加工 Fillet milling			RPKT 10T3MOF 1204MOF	5 6	10 12			3.97 4.76	11° 11°	刀柄: (Toolholder) D33-D36 T型槽:D74	●●●●
圆角铣削加工 Fillet milling			RPKT 10T3MOT 1204MOT	5 6	10 12			3.97 4.76	11° 11°	刀柄: (Toolholder) D33-D36 T型槽:D74	●●●●
圆角铣削加工 Fillet milling			RPMT 08T2MOE-JS 1003MOE-JS 10T3MOE-JS 1204MOE-JS	4 5 5 6	8 10 10 12			2.78 3.18 3.97 4.76	11° 11° 11° 11°	刀柄: (Toolholder) D33-D36 T型槽:D74	●●●● ●●●● ●●●● ●●●●
圆角铣削加工 Fillet milling			RPMT 10T3MO-DU 1204MO-DU	5 6	10 12			3.97 4.76	11° 11°	刀柄: (Toolholder) D33-D36 T型槽:D74	●●●●
圆角铣削加工 Fillet milling			RPMT 08T2MO-GH 10T3MO-GH 1204MO-GH	4 5 6	8 10 12			2.78 3.97 4.76	11° 11° 11°	刀柄: (Toolholder) D33-D36 T型槽:D74	●●●● ●●●● ●●●●
圆角铣削加工 Fillet milling			RCGT 0602-AL 0803-AL 1003-AL 10T3-AL 1204-AL	3 4 5 5 6	6 8 10 10 12			2.38 3.15 3.15 3.97 4.76	7° 7° 7° 7° 7°	刀柄: (Toolholder) D37-D38 T型槽:D74	● ● ● ● ●
圆角铣削加工 Fillet milling			RCKT 10T3MO-PM 1204MO-PM 1606MO-PM 2006MO-PM	5 6 8 10	10 12 16 20			3.97 4.76 6.35 6.35	7° 7° 7° 7°	刀柄: (Toolholder) D37-D38 T型槽:D74	●●●● ●●●● ●●●● ●●●●
圆角铣削加工 Fillet milling			RCKT 10T3MO-PR 1204MO-PR 1606MO-PR 2006MO-PR	5 6 8 10	10 12 16 20			3.97 4.76 6.35 6.35	7° 7° 7° 7°	刀柄: (Toolholder) D37-D38 T型槽:D74	●●●● ●●●● ●●●● ●●●●

刀杆
刀盘

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻铣
刀杆

倒角
刀杆

玉米
铣刀

三
面刃
槽刀

快
进给
系列

龙门
平面
铣刀

锁
牙式
刀柄

切削形态: ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ✖ 不稳定切削 Unstable Cutting

应用 用途	产品图片 Product Image	几何尺寸 Dimensioning	规格型号 Specification	尺寸 Dimension (mm)						配套刀柄 Matching Toolholder	应用 应用
				rE	A	B	T	L	a		
圆角铣削加工 Fillet milling			RCMT 0803MO 1003MO 10T3MO 1204MO 1606MO 2006MO	4 5 5 6 8 10	8 10 10 12 16 20			3.18 3.18 3.97 4.76 6.35 6.35	7° 7° 7° 7° 7° 7°	刀柄: (Toolholder) D37-D38 T型槽:D74	● ●
圆角铣削加工 Fillet milling			RCMX 0803MO 1003MO 10T3MO 1204MO 1606MO 2006MO 2507MO 3209MO	4 5 5 6 8 10 12.5 16	8 10 10 12 16 20 25 32			3.18 3.18 3.97 4.76 6.35 6.35 7.94 9.52	7° 7° 7° 7° 7° 7° 7° 7°	刀柄: (Toolholder) D37-D38 T型槽:D74	● ●
圆角铣削加工 Fillet milling			RDKW 0501MO 0702MO 0803MO 10T3MO 1204MO 1604MO 1605MO 1606MO 2006MO	2.5 3.5 4 5 6 8 8 10	5 7 8 10 12 16 16 20			1.59 2.38 3.15 3.97 4.76 4.76 5.56 6.35 6.35	15° 15° 15° 15° 15° 15° 15° 15° 15°	刀柄: (Toolholder) D39-D41	● ●
圆角铣削加工 Fillet milling			RDKX 10T3MO 1204MO 1605MO	5 6 8 10	10 12 16 20			3.97 4.76 6.35 6.35	15° 15° 15° 15°	刀柄: (Toolholder) D39-D41	● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●
圆角铣削加工 Fillet milling			RDKX 10T3MP-1 1204MP-1	5 6	10 12			3.97 4.76	15° 15°	刀柄: (Toolholder) D39-D41	● ● ● ● ● ● ● ● ● ● ● ●
圆角铣削加工 Fillet milling			RDMW 10T3MOT-PM 1204MOT-PM 1605MOT-PM	5 6 8	10 12 16			3.97 4.76 5.56	15° 15° 15°	刀柄: (Toolholder) D39-D41	● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●
圆角铣削加工 Fillet milling			RDMT 10T3MO 1204MO	5 6	10 12			3.97 4.76	15° 15°	刀柄: (Toolholder) D39-D41	● ● ● ● ● ● ● ● ● ● ● ●
平面铣削加工 Surface milling			RNGJ 1204M0ELD 1204M0SGD 1204M0SHD	6	12			4.75		刀柄: (Toolholder) D42	● ● ● ● ● ● ● ● ● ● ● ●
球头仿形粗铣削加工 Rough milling of ball head profiling			ZCET 080CE 主刃 ZCET 100CE ZCEW 100CE ZCET 125CE ZCEW 125CE ZCET 150CE ZCEW 150CE ZCET 160CE ZCEW 200CE ZCET 080SE 副刃 ZCET 100SE ZCEW 100SE ZCET 125SE ZCEW 125SE ZCET 150SE ZCEW 150SE ZCET 160SE ZCEW 160SE ZCET 200SE CPMT 080204 外周刃 CPMT 090308	8 10 10 12.5 12.5 15 15 16 20 8 10 10 12.5 12.5 15 16 16 20 0.4 0.8	15.6 18.3 18.3 23.1 23.1 28.3 28.3 28.8 35.4 16.8 16.7 16.7 20.8 20.8 25.7 25.7 28.3 31.9 7.94 9.525	7.9 10 10 12.3 12.3 14.9 14.9 15.4 20.1 5.9 8.1 8.1 9.3 9.3 11.8 11.8 12.4 15.7 7.94 9.525	3.97 4.74 4.74 6.1 6.1 7.59 7.59 7.45 8.0 3.43 4.24 4.24 5.4 5.4 7.09 7.09 6.98 7.0 2.38 3.18		刀柄: (Toolholder) D43	● ●	

刀杆盘

直角台肩立铣刀

圆角铣刀

球头铣刀

钻头刀杆

倒角刀杆

玉米铣刀

三面刃槽刀

快进给系列

龙门平面铣刀

锁牙式刀柄

铣刀片

机夹式铣削刀片 CNC Milling Inserts

切削形态: ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ✖ 不稳定切削 Unstable Cutting

Application 用途	Product Image 产品图片	Dimensioning 几何尺寸	Specification 规格型号	Dimension (mm) 尺寸						Matching Toolholder 配套刀柄	PCD CBN-K CBN-S ZN60 ZK01 ZK05 ZP150 ZP152 ZP153 ZP163
				rℓ	A	B	T	L	a		
铣削刀片 Milling inserts			SPMG 050204-TT 060204-TT 07T308-TT 090408-TT 110408-TT 140512-TT	0.4 0.4 0.8 0.8 0.8 1.2	5.0 6.0 7.94 9.8 11.5 14.3	5.0 6.0 7.94 9.8 11.5 14.3	2.38 2.38 3.97 4.30 4.8 5.0			● ●	
铣削刀片 Milling inserts			XSEQ 1202 1203 12T3 1204 12T4		12.7 12.7 12.7 12.7 12.7	12.7 12.7 12.7 12.7 12.7	2.3 3.0 3.5 4.0 4.5			● ●	
切槽刀片 Grooving inserts			TGF32L 150 200 250 300 350 更多规格 A25	0.1 0.15 0.15 0.15 0.15	16	2.0 2.8 2.8 2.8 2.8	3.18		1.5 2.0 2.5 3.0 3.5	● ●	
切槽刀片 Grooving inserts			TGF32L 150-R0.75 200-R1.0 250-R1.25 300-R1.5 更多规格 A25	0.75 1.0 1.25 1.5	16	2.0 2.8 2.8 2.8	3.18		R0.75 R1.0 R1.25 R1.5	● ●	
切槽刀片 Grooving inserts			TT43L 200 250 300 350 400 500	0.2 0.2 0.2 0.2 0.2 0.2	22	4.8	5.0		2.0 2.5 3.0 3.5 4.0 5.0	● ●	
切槽刀片 Grooving inserts			TT43L 200-R1.0 250-R1.25 300-R1.5 350-R1.75 400-R2.0 500-R2.5	1.0 1.25 1.5 1.75 2.0 2.5	22	4.8	5.0		R1.0 R1.25 R1.5 R1.75 R2.0 R2.5	● ●	
高进给铣削加工 High feed milling			JOMW 06T215ZZSR-FT 080320ZZSR-FT JDMW 09T320ZDSR-FT 120420ZDSR-FT 140520ZDSR-FT	1.5 2.0 2.0 2.0 2.0	6.35 8.0 9.525 12.0 14.0	2.78 3.18 3.97 4.76 5.56	13° 13° 15° 15° 15°			● ●	
高进给铣削加工 High feed milling			JOMT 06T215ZZSR-JM 080320ZZSR-JM JDMT 09T320ZDSR-JM 120420ZDSR-JM 140520ZDSR-JM	1.5 2.0 2.0 2.0 2.0	6.35 8.0 9.525 12.0 14.0	2.78 3.18 3.97 4.76 5.56	13° 13° 15° 15° 15°			● ●	
高进给铣削加工 High feed milling			EPNW 0603TN-8 EPMT 0603TN-8 EDNW 12T3TN-10 EDMT 12T3TN-10	8 8 10 10	10 12 10 12	6.35 6.35 3.97 3.97	3.18 3.18 15° 15°			● ●	
高进给铣削加工 High feed milling			EPNW 0803TN-10 EDNW 10T3TN-10 SDNW 12052DTN-R15 SDMT 12052DTN-R15 EDNW 13T4TN-10 13T4TN-15 SDNW 15052DTN-R15 SDMT 15052DTN-R15 带修光刃 15052DTN-C15	10 10 15 15 10 15 15 15 15	8.1 10 12.7 12.7 13.5 13.5 15.875 15.875 15.875	8.1 10 12.7 12.7 13.5 13.5 5.56 5.56 5.56	3.18 3.18 5.56 5.56 15° 15° 15° 15° 15°			● ●	

刀杆
刀盘

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻铣
刀杆

倒角
刀杆

玉米
铣刀

三
面刃
铣刀

快
进给
系列

龙门
平面
铣刀

锁
牙式
刀柄

铣刀片

机夹式铣削刀片 CNC Milling Inserts

切削形态: ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ✖ 不稳定切削 Unstable Cutting

应用 用途	产品图片 Product Image	几何尺寸 Dimensioning	规格型号 Specification	尺寸 Dimension (mm)						配套刀柄 Matching Toolholder	PCO CBN-K CBN-S ZN60 ZK01 ZK05 ZP150 ZP152 ZP153 ZP163
				rℓ	A	B	T	L	a		
平面铣削加工 Surface milling			SEHT 1204AFSN	-	12.7	2.66	4.76	5.56	20°	刀柄: (Toolholder) D114-D115	●●●●
平面铣削加工 Surface milling			SEHT 1204-AK	-	12.7	2.66	4.76	5.56	20°	刀柄: (Toolholder) D114-D115	●
平面铣削加工 Surface milling			SEHT 1204	-	12.7	2.66	4.76	5.56	20°	刀柄: (Toolholder) D114-D115	●
平面铣削加工 Surface milling			SEHT 1204	-	12.7	2.66	4.76	5.56	20°	刀柄: (Toolholder) D114-D115	●●
平面铣削加工 Surface milling			SEDN 1203AETN SEEN 1203AFTN1 SEKN 1203AFTN1 SELN 1203AFTN1 SEPN 1203EDR	- 1.0 1.0 - - -	12.7 15.875 12.7 15.875 12.7 15.875 12.7	1.7 1.4 1.4 1.4 1.4 1.4	3.18 4.76 3.18 4.76 3.18 4.78 3.18	15° 15° 20° 20° 20° 20° 11°	刀柄: (Toolholder) D116-D117	●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●●	
平面铣削加工 Surface milling			SEKR 1203AFEN-JS SELR 1203AFEN-JS	1.0 1.0	12.7 15.875	1.4 1.4	3.18 4.76	20° 20°	刀柄: (Toolholder) D116-D117	●● ●● ●● ●●	

刀杆
刀盘

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻铣
刀杆

倒角
刀杆

玉米
铣刀

三
面刃
槽刀

快
进给
系列

龙门
平面
铣刀

锁
牙式
刀柄

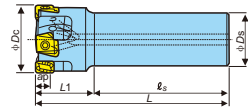
用途 Product Image	几何尺寸 Dimensioning	规格型号 Specification	精度 Precision	钝化 Deactivation	涂层材质 Coating material					尺寸 (mm) Measurement				铣刀 Hobbing
					库存 Stock	ZK50	ZP15	ZP152	ZP153	ZP163	A	B	T	
高进给铣削加工 High speed machining		LMMU110708PNER-MJ	M	有	●	●	●	●	●	11.7	10.5	71	0.8	EPM11 TPM11
		LMMU110716PNER-MJ	M	有	●	●	●	●	●	11.5	10.5	71	1.6	
		LMMU110724PNER-MJ	M	有	●	●	●	●	●	11.3	10.5	71	2.4	
		LMMU110732PNER-MJ	M	有	●	●	●	●	●	11.1	10.5	71	3.2	
		LMMU160908PNER-MJ	M	有	●	●	●	●	●	17.3	16.0	9.5	0.8	
		LMMU160916PNER-MJ	M	有	●	●	●	●	●	17.1	16.0	9.5	1.6	
		LMMU160924PNER-MJ	M	有	●	●	●	●	●	16.9	16.0	9.5	2.4	
LMMU160932PNER-MJ	M	有	●	●	●	●	●	16.8	16.0	9.5	3.2	TPM16		

LN11,16 准重切削加工

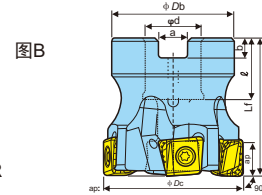
Quasi heavy cutting machining



图A: 带柄式



LN11R



图B

型号 Specification	刀齿数 Number of cutter teeth	尺寸 Dimensions (mm)					重量 Weight (kg)	冷却孔 Cooling hole	刀片 Insert	编码 Encoded	价格 Price
		ØDc	ØDs	ℓs	L1	L					
LN11RC32-32-3T	3	32	32	80	35	115	0.6	有	LMMU1107**		
LN11RC32-40-4T	4	40	32	80	35	115	0.7	有			
LN11RC32-50-4T	4	50	32	80	40	120	0.9	有			
LN11RC32-63-6T	6	63	32	80	40	120	1.2	有			
LN11RC32-80-7T	7	80	32	80	40	120	1.6	有			

图B: 刀盘式

规格 Specification	型号 Specification	刀齿数 Number of cutter teeth	尺寸 Dimensions (mm)							重量 Weight (kg)	冷却孔 Cooling hole	铣刀固定螺钉 Milling cutter fixing screw	刀片 Insert	库存 Stock	编码 Encoded	价格 Price
			ØDc	ØDb	Ød	ℓ	Lf	b	a							
标准 Standard	LN11R-50-22-5T	5	50	41	22	20	40	6	10	0.3	有	FM10×30	●	●		
	LN11R-63-22-6T	6	63	41	22	20	40	6	10	0.5	有	FM10×30				
倒角 Chamfer	LN11R-80-25.4-7T	7	80	46	25.4	26	50	6	9.5	0.9	有	FM12×30	●	●		
	LN11R-100-31.75-8T	8	100	60	31.75	32	50	8	12.7	1.4	有	FM16H				
齿数 Teeth	LN16R-80-25.4-5T	5	80	45	25.4	26	50	6	9.5	1.0	有	FM12×30	●	●		
	LN16R-100-31.75-6T	6	100	60	31.75	32	50	8	12.7	1.6	有	FM16H				
密齿 Fine	LN16R-125-38.1-7T	7	125	80	38.1	38	60	10	15.9	3.0	有	FM20H	●	●		
	LN11R-80-25.4-9T	9	80	46	25.4	26	50	6	9.5	1.0	有	FM12×30				
玉米 Corn	LN11R-100-31.75-9T	11	100	60	31.75	32	50	8	12.7	1.5	有	FM16H	●	●		

刀盘零件 Cutterhead Type Parts

零件名称 Part Name	零件型号 Part model
适用铣刀 Suitable milling cutter	LN11R... LN16R...
紧固螺钉 Fastening screw	M3.5x10 M5.0x15
扳手 TORX刀头 TORX cutter head	T15 T20
Spanner 握把 Grip	H-TB H-TB
整体式替代扳手 Integral replacement wrench	T15 T20

带柄式零件 Handle type parts

零件名称 Part Name	零件型号 Part model
紧固螺钉 Fastening screw	M3.5x10
整体式替代扳手 Integral replacement wrench	T15

标准切削条件 Standard cutting conditions

被加工材料 Processed material	布氏硬度 Brinell hardness HB	选择标准 Selection criteria	推荐材质 Recommended materials	切削设定 Cutting settings Vc(m/min)	每齿进给量 Feed per tooth fz(mm/t)
低碳钢(S45C,SS400等) Mild steel (S45C, SS400, etc.)	~200	第一选择 First choice	ZP15	100-180-250	0.12-0.2-0.3
		重视抗崩刃性 Attach importance to the ability to resist chipping	ZP152	80-130-180	
		重视耐磨损性 Emphasize wear resistance	ZP153	120-200-250	
高碳钢(S45C,S55C等) High carbon steel (S45C, S55C, etc.)	200~300	第一选择 First choice	ZP152	100-150-230	0.12-0.17-0.25
		重视抗崩刃性 Attach importance to the ability to resist chipping	ZP153	80-130-180	
		重视耐磨损性 Emphasize wear resistance	ZP163	120-180-250	
合金钢(SCM440,SCr415等) Alloy steel (SCM440, SCr415, etc.)	150~300	第一选择 First choice	ZP152	100-150-230	0.12-0.17-0.25
		重视抗崩刃性 Attach importance to the ability to resist chipping	ZP153	80-120-150	
		重视耐磨损性 Emphasize wear resistance	ZP163	120-180-250	
工具钢(SK,SKH等) Tool steel (SK, SKH, etc.)	~300	第一选择 First choice	ZP152	100-120-180	0.12-0.17-0.25
		重视抗崩刃性 Attach importance to the ability to resist chipping	ZP153	80-100-120	
		重视耐磨损性 Emphasize wear resistance	ZP163	100-120-180	
不锈钢(SUS304,SUS316等) Stainless steel (SUS 304, SUS316, etc.)	150~250	第一选择 First choice	ZP152	90-150-180	0.12-0.2-0.3
重视抗崩刃性 Attach importance to the ability to resist chipping		ZK50	140-180-250		
重视耐磨损性 Emphasize wear resistance		ZK50			
普通铸铁(FC250,300等) Ordinary cast iron (FC 250/300, etc.)	150~250	第一选择 First choice	ZK50	20-35-50	0.1-0.15-0.2
球墨铸铁(FCD400等) Ductile iron (FCD400, etc.)		第一选择 First choice	ZP163		
耐热合金(Ti-6AL-4V等,镍基合金 718等) Heat resistant alloys (Ti-6AL-4V, nickel based alloy 718, etc.)		第一选择 First choice	ZP163		

- 在进行切槽或凹模铣削等容易产生切屑停留的加工时为了防止咬屑,请使用鼓风机装置清除切屑。
- 在铸件表面等切深有变动时及间断部分多的工件加工时,请将进给量fz设定为下限。

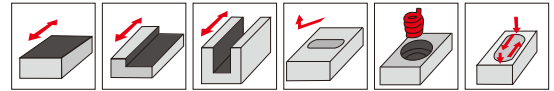
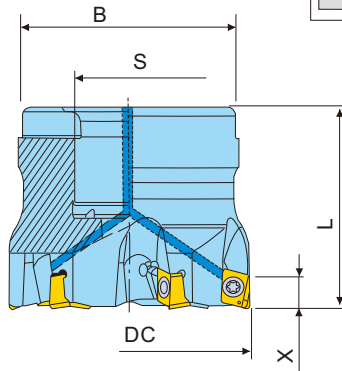
- During machining that is prone to chip retention, in order to prevent chip bites, use an air blower to remove the chips.
- When machining aluminum alloy and other cutting edges that are prone to severe deposition, please use water soluble natural cutting fluid.

- 刀具悬伸量长时设置在必要的最小限度。悬伸量长时悬伸量长时容易发生振动,故要降低进给量fz。
- 加工条件受到车床、被加工材料的刚性和主轴输出的限制。切深、切削宽度大时Vc、fz取下限,并观察机床的动力、振动等情况。

- When there is a change in the cutting depth such as the surface of the casting, or when processing workpieces with many discontinuous parts, please adjust the feed rate fz is set to the lower limit.
- Processing conditions are limited by the rigidity of the machine tool, the material being processed, and the spindle output. Cutting depth When the cutting width is large, take the lower limit of Vc and fz, and observe the dynamic vibration of the machine tool.

4NKT 面铣刀盘

Face milling cutter head



配件 accessory

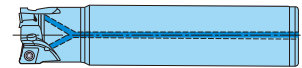
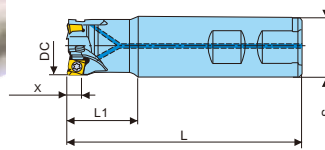
规格型号 Specification	螺钉 Screws	扳手 Wrench
4NKT0603	M3.0x8	T10

规格型号 Specification	尺寸 Dimensions (mm)	刀柄类型 Type of handle	重量 Kg	安装螺栓 Insert	刀片 Insert	内冷 Internal Cold	编码 Code	Price (RMB)
4NKT0603R 32-16-4T	4 32 16 30 32 6.0	A	0.1	FM8X25	4NK(H)T 0603..	●		
32-16-5T	5 32 16 30 32 6.0	A	0.1	FM8X25		●		
40-16-5T	5 40 16 38 40 6.0	A	0.3	FM8X25		●		
40-16-6T	6 40 16 38 40 6.0	A	0.3	FM8X25		●		
50-22-6T	6 50 22 45 40 6.0	A	0.4	FM10X30		●		
50-22-7T	7 50 22 47 40 6.0	A	0.4	FM10X30		●		
63-22-7T	7 63 22 47 40 6.0	A	0.6	FM10X30		●		
63-22-7T	8 63 22 47 40 6.0	A	0.6	FM10X30		●		

带冷却孔的安装螺栓可根据要求提供 (订货示例: SH M10x1.5x30-C)

4NKT 立铣刀

End Mill



规格型号 Specification	尺寸 Dimensions (mm)	图示 Illustration	刀片 Insert	内冷 Internal Cold	编码 Code	Price (RMB)
4NKT0603R C15-16-150-2T	2 16 15 150 25 6.0	2	4NK(H)T 0603...	●		
C16-16-90-2T	2 16 16 90 25 6.0	1		●		
C16-16-100-2T	2 16 16 100 25 6.0	2		●		
C16-16-150-2T	2 16 16 150 25 6.0	2		●		
C16-17-90-2T	2 17 16 90 25 6.0	2		●		
C16-17-200-2T	2 17 16 200 25 6.0	2		●		
C16-18-90-2T	2 18 16 90 25 6.0	1		●		
C16-18-150-2T	2 18 16 150 25 6.0	2		●		
C19-20-160-2T	2 20 19 160 25 6.0	2		●		
C20-20-90-2T	2 20 20 90 25 6.0	1		●		
C20-20-110-2T	2 20 20 110 25 6.0	2		●		
C20-20-160-2T	2 20 20 160 25 6.0	2		●		
C20-20-90-3T	3 20 20 90 25 6.0	1		●		
C20-20-110-3T	3 20 20 110 25 6.0	2		●		
C20-21-200-2T	2 21 20 200 25 6.0	2		●		
C25-25-100-3T	3 25 25 100 30 6.0	1		●		
C25-25-150-3T	3 25 25 150 30 6.0	2		●		
C25-25-200-3T	3 25 25 200 30 6.0	2		●		
C25-26-200-3T	3 26 25 200 30 6.0	2		●		
C25-25-100-4T	4 25 25 100 30 6.0	1		●		
C25-25-120-4T	4 25 25 120 30 6.0	2		●		
C32-32-110-4T	4 32 32 110 35 6.0	1		●		
C32-32-150-4T	4 32 32 150 35 6.0	2		●		
C32-32-200-4T	4 32 32 200 35 6.0	2		●		
C32-32-250-4T	4 33 32 250 35 6.0	2		●		
C32-32-110-5T	5 32 32 110 35 6.0	1		●		
C32-32-150-5T	5 32 32 150 35 6.0	2		●		
C32-40-110-5T	5 40 32 110 40 6.0	1		●		
C32-40-150-5T	5 40 32 150 40 6.0	2		●		
C32-40-250-5T	5 40 32 250 50 6.0	2		●		
C32-40-110-6T	6 40 32 110 35 6.0	1		●		
C32-40-150-6T	6 40 32 150 35 6.0	2		●		

刀杆
刀盘

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻铣
刀杆

倒角
刀杆

玉米
铣刀

三
面刃
槽刀

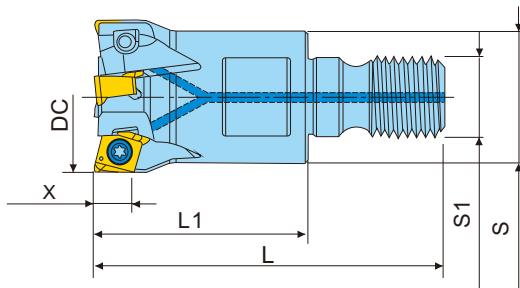
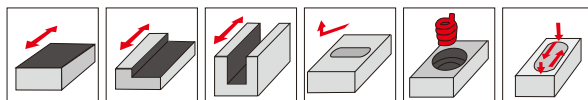
快
进给
系列

龙门
平面
铣刀

锁
牙式
刀柄

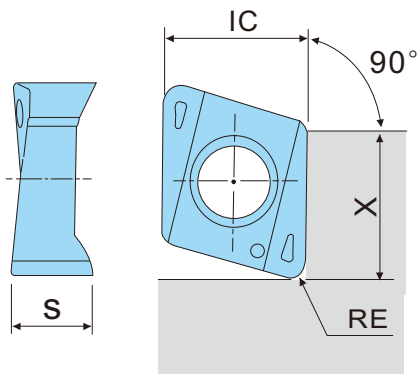
4NKT 模块式刀头

Modular Cutter head



规格型号 Specification	DC	尺寸 Dimensions (mm)						螺钉 Screws	扳手 Wrench	刀片 Insert	内冷 Internal Cool	编码 Code	Price (RMB)
		S	L1	L	S1	X							
4NKT0603R 16-2T-M08	2	16	13	23	40.5	M08	6.0	M3.0x8	T10	4 NK(H)T 0603...	●		
17-2T-M08	2	17	13	23	40.5	M08	6.0				●		
20-2T-M10	2	20	18	36	55	M10	6.0				●		
20-3T-M10	3	20	18	36	55	M10	6.0				●		
21-3T-M10	3	21	18	36	55	M10	6.0				●		
25-3T-M12	3	25	21	36	57	M12	6.0				●		
25-4T-M12	4	25	21	36	57	M12	6.0				●		
26-4T-M12	4	26	21	36	57	M12	6.0				●		
32-4T-M16	4	32	29	43	68	M16	6.0				●		
32-5T-M16	5	32	29	43	68	M16	6.0				●		
33-5T-M16	5	33	29	43	68	M16	6.0				●		
35-5T-M16	5	35	29	43	68	M16	6.0				●		
40-5T-M16	5	40	29	43	68	M16	6.0				●		
40-6T-M16	6	40	29	43	68	M16	6.0				●		

4NK(H)T 刀片 Inserts

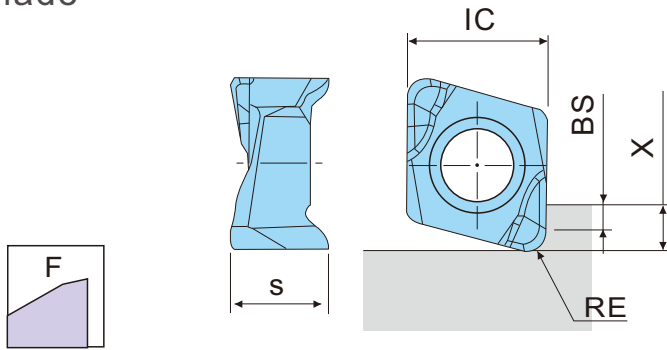


切削刃长 Long cutting edge	尺寸 Dimensions (mm)				
	IC	S	X	BS	RE
04	4.0	3.1	3.5		0.2-0.8
06	6.6	4.2-5.0	5.8-6.2	0.6-1.0	0.4-2.0
09	8.6	5.7-6.3	8.0	0.8-1.2	0.4-1.6
11	10.7	8.1	10.5	1.0	0.8
14	14.0	9.2-9.4	13.5-13.8	1.25	0.8

刀片 Blade	规格型号 Specification	推荐加工条件 Recommended processing conditions		涂层 Coating							无涂层 Coating	
		切深 (mm)	进给 (mm/齿)	ZP20A	ZP20M	ZP15A	ZP135	ZP151	ZP152	ZP153	ZP163	ZK01
	4NKT 040202R-M	0.5-3.0	0.08-0.04									
	040204R-M	1.0-3.0	0.12-0.06	●	●	●	●	●	●	●	●	
	040208R-M	1.0-3.0	0.12-0.06									
	060304R-M	0.5-5.0	0.15-0.07									
	060308R-M	1.0-5.0	0.15-0.07	●	●	●	●	●	●	●	●	
	060312R-M	1.0-5.0	0.15-0.07									
	060316R-M	2.0-4.5	0.15-0.07									
	060320R-M	20-4.5	0.15-0.07									
	090408R-M	2.5-7.0	0.15-0.07									
	090416R-M	2.5-7.0	0.15-0.07									
	110608R-M	3.5-10.0	0.18-0.09									
140708R-M	4.0-12.0	0.18-0.09										

4NHT06-F 刀片

Blade



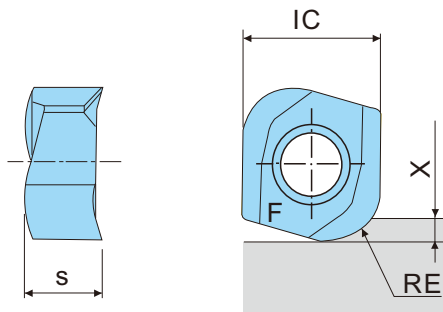
切削刃长 Long cutting edge	尺寸 Dimensions (mm)				
	IC	S	X	BS	RE
05R	6.6	4.9	2.3	1.8	0.5
10R	6.6	4.7	2.1	1.1	1.0
15R	6.6	4.5	3.3	1.8	1.5
20R	6.6	4.3	3.0	1.1	2.0

刀片 Blade	规格型号 Specification	推荐加工条件 Recommended processing conditions		涂层 Coating	无涂层 Coating
		切深 (mm) Cutting depth (mm)	进给 (mm/齿) Feed (mm/tooth)		
	4N HT 060305R-F	0.2-2.0	1 15-0.07		
	060310R-F	0.2-1.8	1 15-0.07		
	060315R-F	0.2-3.0	1 15-0.07		
	060320R-F	0.2-2.7	1 15-0.07		

● 标准品 ● Standard goods

4NKT-HF 高进给刀片

High feed blade



切削刃长 Long cutting edge	尺寸 Dimensions (mm)				
	IC	S	X	RE	
04-HF	4.0	2.65	0.5	1.2	
06-HF	6.6	3.85	1.0	2.0	
09-HF	8.6	4.76	1.5	3.2	
11-HF	10.7	6.56	2.0	4.0	
14-HF	14.0	7.34	3.0	5.0	

刀片 Blade	规格型号 Specification	推荐加工条件 Recommended processing conditions		涂层 Coating	无涂层 Coating
		切深 (mm) Cutting depth (mm)	进给 (mm/齿) Feed (mm/tooth)		
	4N HT 040212R-F	0.2-0.4	0.60-0.10		
	060320R-F	0.2-0.6	0.80-0.20		
	090432R-F	0.3-0.8	1.00-0.20		
	110640R-F	0.3-1.2	1.20-0.30		
	140750R-F	0.3-1.5	1.50-0.30		

● 标准品 ● Standard goods

刀杆
刀盘

直角
台肩
立铣刀

圆角
铣刀

球头
铣刀

钻铣
刀杆

倒角
刀杆

玉米
铣刀

三
面刃
槽刀

快
进给
系列

龙门
平面
铣刀

锁
牙式
刀柄

WNMU

平面高进给
双面有孔
铣削刀片

刀片(Insert):

WNMU0806 ZP153
Ap:0.6-8.0 (mm)
Fz:0.08-0.60 (mm/rev)
Vc:100-260 (m/min)

切削形态: Cutting Environment		● 稳定切削 Stable Cutting	● 一般切削 General Cutting	✘ 不稳定切削 Unstable Cutting
P	钢 Steel	●	●	✘
M	不锈钢 Stainless Steel	●	●	✘
K	铸铁 Iron	●	●	✘
N	铝/铜/镁/锌/塑料/木材 Aluminum/Copper/Magnesium/Zinc/Plastic/Wood	●	●	✘
S	硬质合金/粉末冶金 Carbide/Powder Metallurgy	●	●	✘
H	钛/高温合金/碳纤维 Titanium/Superalloy/Carbon Fiber	●	●	✘

用途 Application	产品图片 Product Image	几何尺寸 Dimensioning	规格型号 Specification	尺寸 Dimension (mm)				配套刀柄 Matching Toolholder
				r℄	A	B	T	
高进给铣削加工 High Feed Milling			WNMU 0404	0.8	6.35	-	4.76	刀柄: (Toolholder) D07

刀杆
刀盘

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻铣
刀杆

倒角
刀杆

玉米
铣刀

三
面刃
槽刀

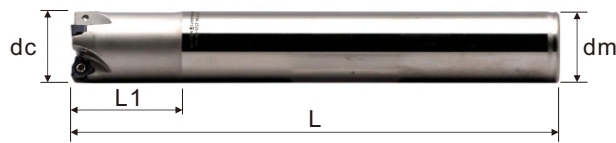
快
进给
系列

龙门
平面
铣刀

锁
牙式
刀柄

R217.96 机夹式快进给立铣刀-双面六角刀片

Clip-Type Fast Feed End Milling Cutter-Double-Sided Hexagonal Insert



● 特点: 高进给, 高效率

★ Characteristic: High Feed, High Efficiency

🔧 切削参数 (Cutting Parameters): R15-R18
零配件 (Spare Parts): P01-P04

订购编码 Order Number	规格型号 Specification	尺寸 Dimensions				刃数 Edge
		dc	dm	L1	L	
337200	R217.96-2020-04-3A	20	20	30	150	3
337202	R217.96-2021-04-3A	21	20	30	150	3
337204	R217.96-2525-04-4A	25	25	60	170	4
337206	R217.96-2526-04-4A	26	25	35	170	4
337208	R217.96-3230-04-5A	30	32	70	200	5
337210	R217.96-3232-04-5A	32	32	70	200	5
337212	R217.96-3235-04-5A	35	32	35	200	5

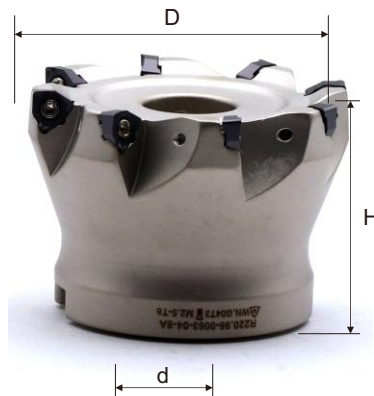


刀片(Insert):

WNMU0404 ZP153
Ap:0.6-3.0 (mm)
Fz:0.08-0.60 (mm/rev)
Vc:100-260 (m/min)

R217.96 机夹式快进给立铣刀刀盘-双面六角刀片

Clip-Type Fast Feed End Milling Cutter Head-Double-Sided Hexagonal Insert



● 特点: 高进给, 高效率

★ Characteristic: High Feed, High Efficiency

🔧 切削参数 (Cutting Parameters): R15-R18
零配件 (Spare Parts): P01-P04

订购编码 Order Number	规格型号 Specification	尺寸 Dimensions			刃数 Edge
		D	d	H	
337220	R217.96-0040-04-6A	40	16	40	6
337222	R217.96-0050-04-6A	50	22	45	6
337226	R217.96-0063-04-8A	63	22	45	8



刀片(Insert):

WNMU0404 ZP153
Ap:0.6-3.0 (mm)
Fz:0.08-0.60 (mm/rev)
Vc:100-260 (m/min)

MFWN 机夹式快进给立铣刀-双面六角刀片

Clip-Type Fast Feed End Milling Cutter-Double-Sided Hexagonal Insert



前角 Anterior angle	A.R	R.R	
	(MAX.) +13°	DC=63 10° DC=80 -9° DC=100 -8°	DC=125 -7.5° DC=160-250 -7°

紧固螺钉 Tightening screws	扳手 Spanner
M5.0x14	T15

刀片(Insert):

WNMU0806 ZP153

Ap:0.6-8.0 (mm)

Fz:0.08-0.60 (mm/rev)

Vc:100-260 (m/min)

刀杆
刀盘

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻铣
刀杆

倒角
刀杆

玉米
铣刀

三面
刃槽刀

快
进给
系列

龙门
平面
铣刀

锁
牙式
刀柄

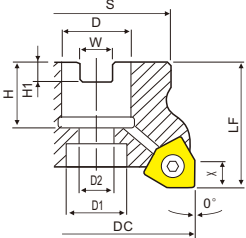


Fig.1

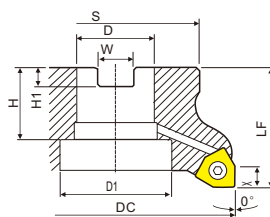


Fig.2

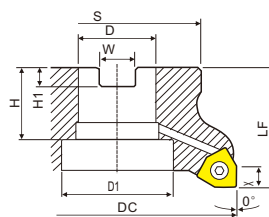


Fig.3

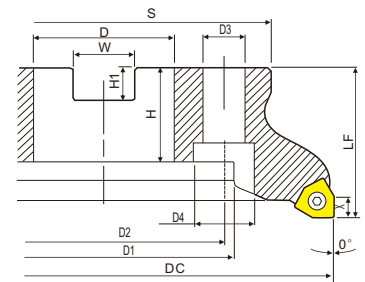


Fig.4

型号 Model		刃数 Blade count	尺寸(mm) Measurement										形状 Form	重量 (kg) Weight	垫片 Pad	最高转速 (min-1) Maximum speed	冷却孔 Cooling hole	库存 Stock	编码 Encoded																																								
接口部 英制规格	标准 standard	MFWN	DC	S	D	D ₁	D ₂	LF	H	H ₁	W	D ₃	D ₄	Fig.1	1.0	有 Yes	12000	●	●																																								
			5	100	70	31.75	46	50	27	6	9.5	34	8							12.7	Fig.2	1.3	10500	●	●																																		
接口部 英制规格	标准 standard	MFWN	90125R-6T	6	125	87	38.1	55	63	38	10	15.9	11	19.1	Fig.3	2.6	9500	●	●	●																																							
			90160R-8T	8	160	102	50.8	72													6.3	7500	●	●	●																																		
			90200R-10T	10	200	142	47.625	110																		101.6	40	14	25.4	18	26	Fig.4	8.7	6500	●	●	●																						
			90250R-12T	12	250																																	No	8000	●	●	●																	
			90080R-5T	5	80																																						60	25.4	20	13	50	27	6	9.5	Fig.1	1.0	13500	●	●	●			
			90100R-7T	7	100																																						70	31.75	46	63	40	14	25.4	18							26	Fig.2	1.4
	90125R-8T	8	125	87	38.1				55	38	10	15.9	11	19.1	Fig.3	2.7	10500	●	●	●																																							
	90160R-10T	10	160	102	50.8				72												6.6	8000	●	●	●																																		
	90200R-12T	12	200	142	47.625	110	101.6	40	14																	25.4	18	26	Fig.4	8.9	7000	●	●	●																									
	90250R-14T	14	250																																No	8000	●	●	●																				
	加 密 齿	MFWN	90080R-7T																																					7	80	60	25.4	20	13						50	27	6	9.5	Fig.1	1.1			
			90100R-9T																																					9	100	70	31.75	46	63	40	14	25.4	18	26	Fig.2	1.3	9500	●			●	●	
90125R-12T			12							125	87	38.1	55	38	10	15.9	11	19.1	Fig.3	2.7																				8000	●	●	●																
90160R-14T			14							160	102	50.8	72								6.7	7000	●	●	●																																		
90200R-16T			16	200	142	47.625	110	101.6	40	14	25.4	18	26													Fig.4	9.1	5500	●	●	●																												
90250R-18T			18	250																												No	6500	●	●	●																							
公制规格	标准 standard	MFWN	90050R-3T-M	3																																	50	47	22					19											11	40			21
			90063R-3T-M	3																																	63	47	22					19	11	50	24	7	12.4	Fig.2	0.5	14000	●	●	●				
			90080R-4T-M	4										80	60	27	20	13	30	8																	14.4	Fig.3	1.0	12000	●	●	●																
			90100R-5T-M	5										100	70	32	46	63			32	9	16.4	14	20																			Fig.4	1.3											10500	●	●	●
			90125R-6T-M	6	125	87	40	55	40	68	66.7	Fig.1	2.5	9500	●	●	●																																										
			90160R-8T-M	8	160	102	60	66.7																		40	14	25.7	18	26	Fig.2	3.8	8000	●	●	●																							
	90200R-10T-M	10	200	142	60	110	101.6	40																																																			
	90250R-12T-M	12	250																																											No	6500	●	●	●									
	密 齿	MFWN	90063R-4T-M																4	63																	47	22	19	11	40	21	6.3								10.4	Fig.1	0.5	16000	●				
			90080R-5T-M															5	80	60	27	20	13	50	24												7	12.4	Fig.2	1.0	13500	●	●	●															
			90100R-7T-M						7	100	70	32	46	63	30	8	14.4	Fig.3	1.3	12000	●	●	●																																				
			90125R-8T-M						8	125	87	40	55													40	68	66.7	Fig.4	2.6	10500	●	●	●																									
			90160R-10T-M	10	160	102	60	66.7	40	14	25.7	18	26																						Fig.1	3.9									9000						●					●	●		
			90200R-12T-M	12	200	142	60	110																																						101.6	40	14	25.7	18								26	Fig.2
	90250R-14T-M	14	250	No	7000																																															●	●	●					
	加 密 齿	MFWN	90063R-5T-M																					5	63												47	22	19	11	40	21	6.3	10.4											Fig.1				
			90080R-7T-M											7	80	60	27	20	13	50	24	7	12.4	Fig.2	1.1												10500	●	●	●																			
			90100R-9T-M											9	100	70	32	46	63							30	8	14.4	Fig.3	1.3	9500	●	●	●																									
90125R-12T-M			12						125	87	40	55	40	68	66.7	Fig.4	2.6	8000																	●	●					●																		
90160R-14T-M			14			160	102	60	66.7	40	14	25.7																														18	26	Fig.1	3.9	7000	●	●	●										
加 密 齿			MFWN	90063R-5T-M	5	63	47	22	19																																									11	40	21	6.3	10.4		Fig.1	0.5	16000	●
	90080R-7T-M	7		80	60	27	20	13	50																																									24	7	12.4	Fig.2	1.1	10500				
	90100R-9T-M	9		100	70	32	46	63												30	8	14.4	Fig.3	1.3	9500												●	●	●																				
	90125R-12T-M	12		125	87	40	55												40							68	66.7	Fig.4	2.6	8000	●	●	●																										
	90160R-14T-M	14		160	102	60	66.7						40	14	25.7	18	26	Fig.1																3.9	7000	●				●	●																		
	加 密 齿	MFWN		90063R-5T-M	5	63	47			22	19	11																														40	21	6.3	10.4	Fig.1	0.5	16000	●										
90080R-7T-M			7	80	60	27	20			13	50	24																														7	12.4	Fig.2	1.1											10500	●	●	●
90100R-9T-M			9	100	70	32	46		63	30																																								8	14.4	Fig.3	1.3	9500	●				
90125R-12T-M			12	125	87	40	55	40												68	66.7	Fig.4	2.6	8000	●												●	●																					
90160R-14T-M			14	160	102	60	66.7												40							14	25.7	18	26	Fig.1	3.9	7000	●						●																				

推荐切削参数 Recommended cutting parameters

★第1推荐 ☆第2推荐 ★ 1st Recommendation ☆ 2nd Recommendation

断屑槽	加工材料 Processing materials	进给 (fz mm/t) Feed	推荐刀片材质(切削速度Vc m/min) Recommended blade material (cutting speed Vc m/min)						
			金属陶瓷 cermet	MEGACOAT (PVD涂层硬质合金) (PVD coated hard alloy)			CVD涂层硬质合金 CVD coated hard alloy	DLC涂层硬质合金 DLC coated hard alloy	硬质合金 Hard metal
			ZN60	ZP163	ZP150	ZP152	ZP153	ZC32S	ZK01
GM	碳钢 Carbon steel	0.1~0.2~0.3 (0.06~0.10~0.15)	★ 200~250~300	☆ 120~180~250	☆ 120~180~250				
	合金钢 Alloy steel	0.1~0.2~0.3 (0.06~0.10~0.15)	★ 180~220~250	☆ 100~160~220	☆ 100~160~220				
	模具钢 Die steel	0.1~0.15~0.25 (0.06~0.10~0.13)	★ 150~180~220	☆ 80~140~180	☆ 80~140~180				
	奥氏体系不锈钢 Austenitic stainless steel	0.1~0.15~0.25		☆ 100~160~200	☆ 100~160~200				
	马氏体系不锈钢 Martensitic stainless steel	0.1~0.15~0.25		☆ 150~200~250					
	沉淀硬化系不锈钢 Precipitation Hardening Stainless Steel	0.1~0.15~0.25		☆ 90~120~150			☆ 180~240~300		
	灰口铸铁 Gray iron	0.1~0.2~0.3							
	球墨铸铁 Ductile iron	0.1~0.15~0.25							
GL	镍基耐热合金 Nickel based heat-resistant alloy	0.1~0.12~0.2		☆ 20~30~50			☆ 20~30~50		
	碳钢 Carbon steel	0.06~0.12~0.2 (0.06~0.08~0.12)	★ 200~250~300	☆ 120~180~250	☆ 120~180~250				
	合金钢 Alloy steel	0.06~0.12~0.2 (0.06~0.08~0.12)	★ 180~220~250	☆ 100~160~220	☆ 100~160~220				
	模具钢 Die steel	0.06~0.08~0.15 (0.06~0.08~0.10)	★ 150~180~220	☆ 80~140~180	☆ 80~140~180				
	奥氏体系不锈钢 Austenitic stainless steel	0.06~0.12~0.2		☆ 100~160~200	☆ 100~160~200				
	马氏体系不锈钢 Martensitic stainless steel	0.06~0.12~0.2		☆ 150~200~250			☆ 180~240~300		
	沉淀硬化系不锈钢 Precipitation Hardening Stainless Steel	0.06~0.12~0.2		☆ 90~120~150					
	灰口铸铁 Gray iron	0.06~0.12~0.2		-					
GH	球墨铸铁 Ductile iron	0.06~0.08~0.15							
	镍基耐热合金 Nickel based heat-resistant alloy	0.06~0.1~0.15					☆ 20~30~50		
	钛合金 Titanium alloy	0.06~0.08~0.15		☆ 20~30~50					
	碳钢 Carbon steel	0.2~0.3~0.4		☆ 40~60~80	☆ 120~180~250				
	合金钢 Alloy steel	0.2~0.3~0.4		☆ 120~180~250	☆ 100~160~220				
	模具钢 Die steel	0.15~0.2~0.3		☆ 100~160~220	☆ 80~140~180				
	奥氏体系不锈钢 Austenitic stainless steel	0.2~0.25~0.3		☆ 80~140~180	☆ 100~160~200				
	马氏体系不锈钢 Martensitic stainless steel	0.2~0.25~0.3		☆ 100~160~200			☆ 180~240~300		
AM	沉淀硬化系不锈钢 Precipitation Hardening Stainless Steel	0.2~0.25~0.3		☆ 150~200~250					
	灰口铸铁 Gray iron	0.2~0.3~0.4		☆ 90~120~150					
	球墨铸铁 Ductile iron	0.15~0.2~0.3							
	镍基耐热合金 Nickel based heat-resistant alloy	0.15~0.2~0.25		☆ 20~30~50			☆ 20~30~50		
	高硬度材(60HRC以下) High hardness material	0.05~0.1~0.2							
	钛合金 Titanium alloy	0.1~0.2~0.3						★ 200~600~900	☆ 200~500~800

刀杆
刀盘

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻铣
刀杆

倒角
刀杆

玉米
铣刀

三
面刃
槽刀

快
进给
系列

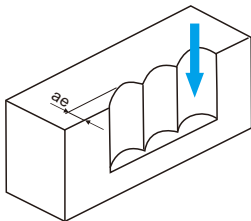
龙门
平面
铣刀

锁
牙式
刀柄

关于垂直加工(插铣)

About Vertical Machining (Insert Milling)

垂直(插铣)加工 Vertical (milling) machining



加工径 Blade model	最大横切深(ae) Maximum cross-sectional depth (ae)
所有型号 All models	8mm

M6NGU 直角台肩 双面有孔 铣削刀片

切削形态: ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ✖ 不稳定切削 Unstable Cutting

用途 Application	产品图片 Product Image	几何尺寸 Dimensioning	规格型号 Specification	尺寸 Dimension (mm)						配套刀柄 Matching Toolholder	PCD K S T Z P N P1 P2 P3 P4 P5 P6 P7 P8 P9 P10 P11 P12 P13 P14 P15 P16
				r _φ	A	B	T	L	a		
直角台肩铣削 Right Angle Milling			M6NGU 060404R-M	0.4	9.26	2.36	4.76	-	6.2	刀柄: (Toolholder) D11-D12	● ● ● ● ● ● ● ●
			M6NGU 060405R-M	0.5	9.26	2.36	4.76	-	6.2		
			M6NGU 060408R-M	0.8	9.26	1.96	4.76	-	6.2		
			M6NGU 060410R-M	1.0	9.26	1.76	4.76	-	6.2		
			M6NGU 060416R-M	1.6	9.26	1.16	4.76	-	6.2		
直角台肩铣削 Right Angle Milling			M6NGU 090504R-M	0.4	13.05	2.2	6.74	-	9.2	刀柄: (Toolholder) D11-D12	● ● ● ●
			M6NGU 090508R-M	0.8	13.05	2.0	6.74	-	9.2		
			M6NGU 090516R-M	1.6	13.05	1.2	6.74	-	9.2		

刀杆
刀盘

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻铣
刀杆

倒角
刀杆

玉米
铣刀

三
面刃
槽刀

快
进给
系列

龙门
平面
铣刀

锁
牙式
刀柄

M6NTE90 直角台肩铣刀 Right Angle Shoulder Milling Cutter

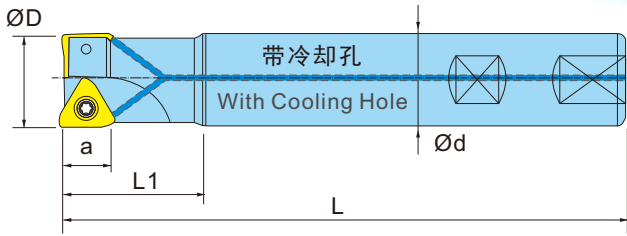


Fig.1

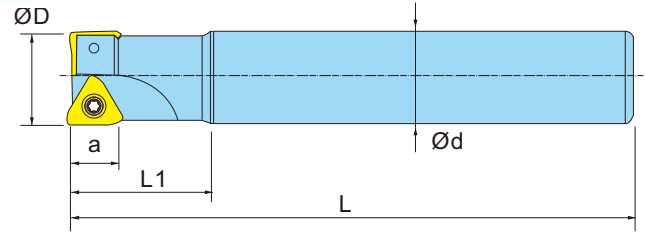


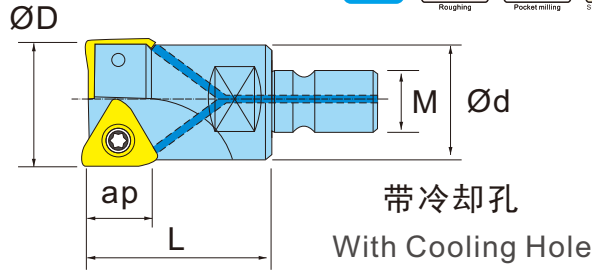
Fig.2

切削参数 (Cutting Parameters): D10
零配件 (Spare Parts): P03-P05

规格型号 Specification	尺寸 Dimensions (mm)					刃数 Edges	图示 Fig	刀片 Insert	螺钉 Screw	扳手 Wrench	库存 Stock	编码 Code	Price (RMB)
	D	d	L	L1	ap								
M6NTE90-225-W25-06	25	25	100	30	6.2	2	1	M6NGU0604..	M3.0×8 M4.0×10	T10 T15	○	337300	1000
M6NTE90-225-25-06-L150	25	25	150	30	6.2	2	2				○	337301	800
M6NTE90-232-W32-06	32	32	110	40	6.2	2	1				○	337302	1000
M6NTE90-232-32-06-L160	32	32	160	40	6.2	2	2				○	337303	800
M6NTE90-332-W32-06	32	32	110	40	6.2	3	1				○	337304	1000
M6NTE90-332-32-06-L160	32	32	160	40	6.2	3	2				○	337305	800
M6NTE90-340-W32-06	40	32	115	40	6.2	3	1				○	337306	1200
M6NTE90-340-32-06-L200	40	32	200	40	6.2	3	2				○	337307	1000
M6NTE90-440-W32-06	40	32	115	40	6.2	4	1				○	337308	1500
M6NTE90-232-W32-09	32	32	110	40	9.2	2	1				M6NGU0905..	M3.0×8 M4.0×10	T10 T15
M6NTE90-232-32-09-L160	32	32	160	40	9.2	2	2	○	337310	900			
M6NTE90-340-W32-09	40	32	120	40	9.2	3	1	○	337311	1200			
M6NTE90-340-32-09-L200	40	32	200	40	9.2	3	2	○	337312	1000			
M6NTE90-440-W32-09	40	32	120	40	9.2	4	1	○	337313	1500			

M6NTE90 直角锁牙式刀头

Right angle locking toolholder

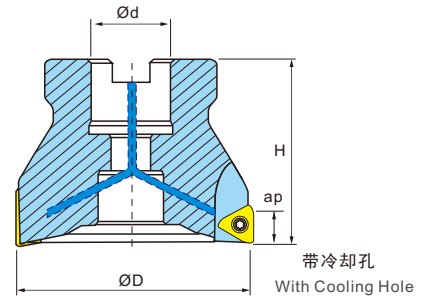


切削参数 (Cutting Parameters): D10
零配件 (Spare Parts): P03-P05

规格型号 Specification	尺寸 Dimensions (mm)					刃数 Edges	刀片 Insert	螺钉 Screw	扳手 Wrench	库存 Stock	编码 Code	Price (RMB)
	D	d	L	M	ap							
M6NTE90-225-M12-06	25	21	35	M12	6.2	2	M6NGU0604..	M3.0×8	T10	○	337320	700
M6NTE90-332-M16-06	32	29	43	M16	6.2	3		M4.0×10	T15	○	337321	800
M6NTE90-440-M16-06	40	29	43	M16	6.2	4				○	337322	900
M6NTE90-232-M16-09	32	29	43	M16	9.2	2	M6NGU0905..	M3.0×8	T10	○	337323	800
M6NTE90-340-M16-09	40	29	43	M16	9.2	3		M4.0×10	T15	○	337324	900
M6NTE90-440-M16-09	40	29	43	M16	9.2	4				○	337325	1000

M6NTF90 直角台肩铣刀刀盘

Right Angle Shoulder Milling Cutter



切削参数 (Cutting Parameters): D10
零配件 (Spare Parts): P03-P05

规格型号 Specification	尺寸 Dimensions (mm)					刃数 Edges	重量 (kg)	刀片 Insert	螺钉 Screw	扳手 Wrench	库存 Stock	编码 Code	Price (RMB)
	D	d	H	ap									
M6NTF90-440-16R-06	40	16	40	6.2		4	0.3	M6NGU0604..	M3.0×8 M4.0×10	T10 T15	○	337326	1000
M6NTF90-450-22R-06	50	22	40	6.2		4	0.4				○	337327	1000
M6NTF90-650-22R-06	50	22	40	6.2		6	0.4				○	337328	1200
M6NTF90-463-22R-06	63	22	40	6.2		4	0.5				○	337329	1200
M6NTF90-663-22R-06	63	22	40	6.2		6	0.5				○	337330	1400
M6NTF90-763-22R-06	63	22	40	6.2		7	0.5				○	337331	1500
M6NTF90-580-27R-06	80	27	50	6.2		5	1.0				○	337332	1500
M6NTF90-780-27R-06	80	27	50	6.2		7	1.0				○	337333	1600
M6NTF90-980-27R-06	80	27	50	6.2		9	1.0				○	337334	1700
M6NTF90-6100-32R-06	100	32	50	6.2		6	1.9				○	337335	2000
M6NTF90-8100-32R-06	100	32	50	6.2		8	1.9				○	337336	2200
M6NTF90-11100-32R-06	100	32	50	6.2		11	1.9				○	337337	2500
M6NTF90-7125-40R-06	125	40	63	6.2		7	3.2				○	337338	2200
M6NTF90-11125-40R-06	125	40	63	6.2		11	3.2				○	337339	2500
M6NTF90-14125-40R-06	125	40	63	6.2		14	3.2	○	337340	2800			
M6NTF90-450-22R-09	50	22	40	9.2		4	0.34	M6NGU0905..	M3.0×8 M4.0×10	T10 T15	○	337341	1000
M6NTF90-550-22R-09	50	22	40	9.2		5	0.35				○	337342	1200
M6NTF90-463-22R-09	63	22	40	9.2		4	0.48				○	337343	1200
M6NTF90-663-22R-09	63	22	40	9.2		6	0.51				○	337344	1400
M6NTF90-763-22R-09	63	22	40	9.2		7	0.51				○	337345	1500
M6NTF90-580-27R-09	80	27	50	9.2		5	1.04				○	337346	1500
M6NTF90-780-27R-09	80	27	50	9.2		7	1.05				○	337347	1600
M6NTF90-980-27R-09	80	27	50	9.2		9	1.07				○	337348	1700
M6NTF90-6100-32R-09	100	32	50	9.2		6	1.85				○	337349	2000
M6NTF90-8100-32R-09	100	32	50	9.2		8	1.82				○	337350	2200
M6NTF90-11100-32R-09	100	32	50	9.2		11	1.9				○	337351	2500
M6NTF90-7125-40R-09	125	40	63	9.2		7	3.07				○	337352	2200
M6NTF90-11125-40R-09	125	40	63	9.2		11	3.09				○	337353	2500
M6NTF90-14125-40R-09	125	40	63	9.2		14	3.15				○	337354	2800
M6NTF90-12160-40R-09	160	40	63	9.2		12	4.27				○	337355	3000
M6NTF90-16160-40R-09	160	40	63	9.2		16	4.29				○	337356	3500

刀杆
刀盘

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻铣
刀杆

倒角
刀杆

玉米
铣刀

三面
刃槽
刀

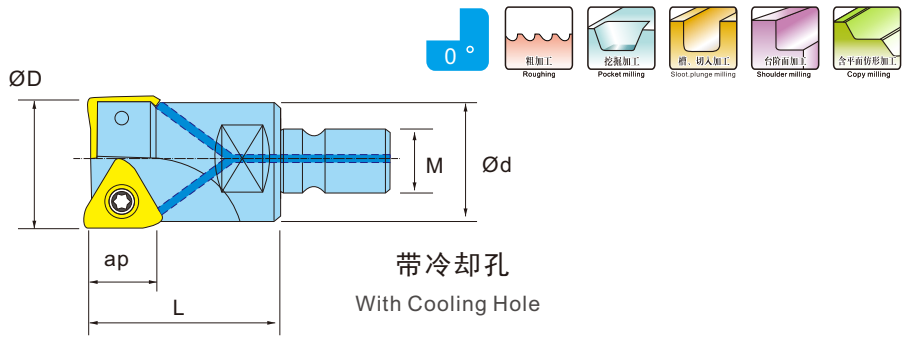
快
进给
系列

龙门
平面
铣刀

锁
牙式
刀柄

3PTE90 直角锁牙式刀头

Right angle locking toolholder

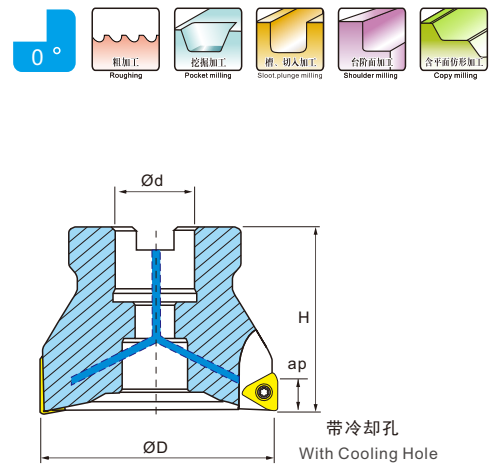


切削参数 (Cutting Parameters): R17-R20
零配件 (Spare Parts): P01-P04

规格型号 Specification	尺寸 Dimensions (mm)					刃数 Edges	刀片 Insert	螺钉 Screw	扳手 Wrench	库存 Stock	编码 Code	Price (RMB)
	D	d	L	M	ap							
3PTE90-220-M10-10	20	18	35	M10	7	2	3PKT1004..	M2.5×6	T8	○	337430	900
3PTE90-325-M12-10	25	21	35	M12	7	3				○	337431	900
3PTE90-432-M16-10	32	29	43	M16	7	4				○	337432	1000
3PTE90-532-M16-10	32	29	43	M16	7	5				○	337433	1200
3PTE90-540-M16-10	40	29	43	M16	7	5				○	337434	1200
3PTE90-640-M16-10	40	29	43	M16	7	6				○	337435	1500
3PTE90-232-M16-15	32	29	43	M16	11	2	3PKT1505..	M4.0×10	T15	○	337436	1000
3PTE90-332-M16-15	32	29	43	M16	11	3				○	337437	1200
3PTE90-340-M16-15	40	29	43	M16	11	3				○	337438	1200
3PTE90-440-M16-15	40	29	43	M16	11	4				○	337439	1500
3PTE90-340-M16-19	40	29	43	M16	15	3				○	337440	1500

3PTF90 直角台肩铣刀

Right Angle Shoulder Milling Cutter



切削参数 (Cutting Parameters): R17-R20
零配件 (Spare Parts): P01-P04

规格型号 Specification	尺寸 Dimensions (mm)				刃数 Edges	重量 (kg)	刀片 Insert	螺钉 Screw	扳手 Wrench	库存 Stock	编码 Code	Price (RMB)
	D	d	H	ap								
3PTF90-540-16R-10	40	16	40	7	5	0.3	3PKT1004..	M2.5×6	T8	○	337441	700
3PTF90-640-16R-10	40	16	40	7	6	0.3				○	337442	800
3PTF90-650-22R-10	50	22	40	7	6	0.4				○	337443	800
3PTF90-750-22R-10	50	22	40	7	7	0.4				○	337444	1000
3PTF90-863-22R-10	63	22	40	7	8	0.5				○	337445	1000
3PTF90-963-22R-10	63	22	40	7	9	0.5				○	337446	1000
3PTF90-450-22R-15	50	22	40	11	4	0.3	3PKT1505..	M4.0×10	T15	○	337447	1000
3PTF90-550-22R-15	50	22	40	11	5	0.3				○	337448	1000
3PTF90-663-22R-15	63	22	40	11	6	0.5				○	337449	1000
3PTF90-780-27R-15	80	27	50	11	7	1.0				○	337450	1200
3PTF90-880-27R-15	80	27	50	11	8	1.0				○	337451	1200
3PTF90-8100-32R-15	100	32	50	11	8	1.9				○	337452	1500
3PTF90-10100-32R-15	100	32	50	11	10	1.9	3PKT1906..	M4.5×12	T20	○	337453	1600
3PTF90-10125-40R-15	125	40	63	11	10	3.1				○	337454	1600
3PTF90-12125-40R15	125	40	63	11	12	3.1				○	337455	2000
3PTF90-463-22R-19	63	22	40	15	4	0.43				○	337456	1200
3PTF90-663-22R-19	63	22	40	15	6	0.93				○	337457	1300
3PTF90-480-27R-19	80	27	50	15	4	0.94				○	337458	1500
3PTF90-780-27R-19	80	27	50	15	7	0.95	○	337459	1800			
3PTF90-6100-32R-19	100	32	50	15	6	1.79	3PKT1906..	M4.5×12	T20	○	337460	1800
3PTF90-8100-32R-19	100	32	50	15	8	2.56				○	337461	2000
3PTF90-8125-40R-19	125	40	63	15	8	2.99				○	337462	2000
3PTF90-10125-40R-19	125	40	63	15	10	3.1				○	337463	2500
3PTF90-8160-40R-19	160	40	63	15	8	4.22				○	337464	2500
3PTF90-12160-40R-19	160	40	63	15	12	4.33				○	337465	3000

刀杆
刀盘

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻铣
刀杆

倒角
刀杆

玉米
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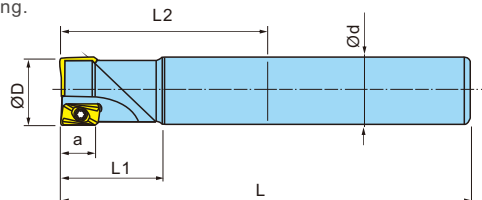
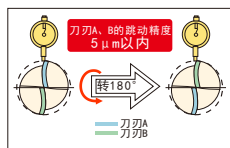
锁
牙式
刀柄

AHU

直角台肩
有孔
铣削刀片



- 适合强力切削，回转及进刀量是一般铣刀的3倍
- 刃口锋利，坚固。
- ★ Suitable for heavy cutting, rotary and feed volume is 3 times the normal cutter.
- ★ Blade sharp, strong.



切削参数 (Cutting Parameters): R19
零配件 (Spare Parts): P01-P04

型号 Cat. No	尺寸 Size				刃数 No. of Flutes	a	刀片 Insert	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)
	D	d	L	L1								
AHU10RC10-10-100-1T	10	10	100	30	1	9	JDM T 1003□□R	M2.5×6	T8	●	322900	100
AHU10RC12-12-120-1T	12	12	120	30	1					●	322902	100
AHU10RC12-13-130-1T	13	12	130	30	1					●	322904	100
AHU10RC16-16-120-2T	16	16	120	30	2					●	322906	100
AHU10RC16-16-160-2T	16	16	160	40	2					●	322908	100
AHU10RC16-16-200-2T	16	16	200	50	2					●	322910	130
AHU10RC16-16-250-2T	16	16	250	60	2					●	322912	160
AHU10RC16-17-120-2T	17	16	120	30	2					●	322914	100
AHU10RC16-17-160-2T	17	16	160	40	2					●	322916	130
AHU10RC16-17-200-2T	17	16	200	50	2					●	322918	160
AHU10RC16-17-250-2T	17	16	250	60	2					●	322920	200
AHU10RC20-20-120-2T	20	20	120	30	2					●	322922	120
AHU10RC20-20-160-2T	20	20	160	40	2					●	322924	120
AHU10RC20-20-200-2T	20	20	200	50	2					●	322926	135
AHU10RC20-20-250-2T	20	20	250	60	2					●	322928	220
AHU10RC20-21-120-2T	21	20	120	30	2					●	322930	120
AHU10RC20-21-160-2T	21	20	160	40	2					●	322932	120
AHU10RC20-21-200-2T	21	20	200	50	2					●	322934	135
AHU10RC20-21-250-2T	21	20	250	60	2					●	322936	220
AHU10RC25-25-120-4T	25	25	120	35	4					●	322938	160
AHU10RC25-25-160-4T	25	25	160	50	4					●	322940	160
AHU10RC25-25-200-4T	25	25	200	75	4					●	322942	180
AHU10RC25-25-250-4T	25	25	250	90	4					●	322944	240
AHU10RC25-26-120-4T	26	25	120	35	4					●	322946	160
AHU10RC25-26-160-4T	26	25	160	50	4					●	322948	160
AHU10RC25-26-200-4T	26	25	200	75	4					●	322950	180
AHU10RC25-26-250-4T	26	25	250	90	4					●	322952	240
AHU10RC25-30-160-4T	30	25	160	45	4					●	322954	180
AHU10RC25-30-200-4T	30	25	200	50	4					●	322956	200
AHU10RC25-30-250-4T	30	25	250	75	4					●	322958	260
AHU10RC32-30-180-4T	30	32	180	75	4					●	322960	220
AHU10RC32-32-130-5T	32	32	130	45	5					●	322962	260
AHU10RC32-32-200-4T	32	32	200	90	4	○	322964	350				
AHU10RC32-35-200-4T	35	32	200	45	4	○	322966	400				
AHU15RC25-25-130-2T	25	25	130	40	2	14	JDM T 1505□□R	M4×9	T15	●	322968	150
AHU15RC25-25-150-2T	25	25	150	40	2					●	322970	150
AHU15RC25-25-170-2T	25	25	170	75	2					●	322972	160
AHU15RC25-25-180-2T	25	25	180	75	2					●	322974	160
AHU15RC25-25-200-2T	25	25	200	75	2					●	322976	160
AHU15RC25-25-250-2T	25	25	250	90	2					●	322978	220
AHU15RC25-26-150-2T	26	25	150	40	2					●	322980	150
AHU15RC25-26-180-2T	26	25	180	75	2					●	322982	160
AHU15RC25-26-200-2T	26	25	200	75	2					●	322984	160
AHU15RC25-26-250-2T	26	25	250	90	2					●	322986	220
AHU15RC25-26-300-2T	26	25	300	90	2					●	322988	280
AHU15RC25-30-130-2T	30	25	130	45	2					●	322990	180
AHU15RC32-32-140-3T	32	32	140	45	3					●	322992	220
AHU15RC32-32-200-3T	32	32	200	90	3					●	322994	220
AHU15RC32-32-250-3T	32	32	250	90	3					●	322996	260
AHU15RC32-32-300-3T	32	32	300	90	3					●	322998	320
AHU15RC32-35-200-3T	35	32	200	90	3					●	323000	220
AHU15RC32-35-250-3T	35	32	250	90	3					●	323002	260
AHU15RC32-35-300-3T	35	32	300	90	3					●	323004	320
AHU15RC32-35-350-3T	35	32	350	90	3					●	323006	380
AHU15RC32-35-400-3T	35	32	400	90	3					●	323008	450
AHU15RC32-40-140-4T	40	32	140	45	4					●	323010	260
AHU15RC32-40-220-4T	40	32	220	45	4					○	323012	350
AHU15RC32-50-140-5T	50	32	140	45	5					○	323014	380
AHU15RC42-50-220-4T	50	42	220	45	4					○	323016	450

JDMT 直角台肩 有孔 铣削刀片

用途 Application	产品图片 Product Image	几何尺寸 Dimensioning	规格型号 Specification	尺寸 Dimension (mm)					配套刀柄 Matching Toolholder	CBN-K CBN-S ZrN60 ZrN80 ZrN100 ZrN120 ZrN150 ZrN163 ZrN163	
				r _c	A	B	T	a			
直角台肩铣削 Right Angle Milling			JDMT 070202R	0.2	6.4	4.3	2.45	6	 刀柄: (Toolholder) D17	●●●●	●●●●
			070204R	0.4	6.4	4.3	2.45	6		●●●●	●●●●
			070208R	0.8	6.4	4.3	2.45	6		●●●●	●●●●
			EDMT 070220R-T	2.0	6.4	4.3	2.5	6		●●●●	●●●●
			070220R	2.0	6.4	4.3	2.5	6		●●●●	●●●●

刀杆
刀盘

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻铣
刀杆

倒角
刀杆

玉米
铣刀

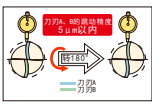
三
面
刃
槽
刀

快
进
给
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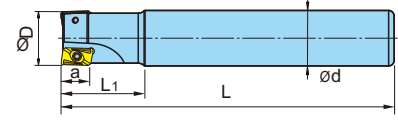
龙
门
平
面
铣
刀

锁
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式
刀
柄

ASM 直角台肩精铣刀 Right angle shoulder fine milling cutter



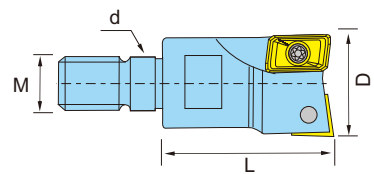
切削参数 (Cutting Parameters): R17-R20
零配件 (Spare Parts): P01-P04



- 适合强力切削，回转及进刀量是一般铣刀的3倍
- 刃口锋利，坚固。
- ★ Suitable for heavy cutting, rotary and feed volume is 3 times the normal cutter.
- ★ Blade sharp, strong.

型号 Cat. No	尺寸 Size				刀片 Insert	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)
	D	d	L	L1						
ASM07RC10-08-75-1T	8	10	75	16	JDMT070208	M1.8X4	T6	●	323300	220
ASM07RC10-10-100-2T	10	10	100	20				●	323302	215
ASM07RC10-11-100-2T	11	10	100	20				●	323304	215
ASM07RC12-12-120-2T	12	12	120	25				●	323306	215
ASM07RC12-13-120-2T	13	12	120	25				●	323308	215
ASM07RC12-14-120-3T	14	12	120	25				●	323310	230
ASM07RC16-16-120-3T	16	16	120	50				●	323312	230
ASM07RC16-16-160-3T	16	16	160	50				●	323314	240
ASM07RC16-16-160-4T	16	16	160	50				●	323316	280
ASM07RC16-17-160-3T	17	16	160	50				●	323318	240
ASM07RC16-17-160-4T	17	16	160	50				●	323320	280
ASM07RC16-17-200-3T	17	16	200	50				●	323322	250
ASM07RC20-20-160-4T	20	20	160	60				●	323324	260
ASM07RC20-20-200-4T	20	20	200	60				●	323326	280
ASM07RC20-21-160-4T	21	20	160	60				●	323328	260
ASM07RC20-21-200-4T	21	20	200	60				●	323330	280

ASMM 超级迷你小径铣刀头 ASMM07 Super Excellent Mini ASM-Modular type



切削参数 (Cutting Parameters): R17-R20
零配件 (Spare Parts): P01-P04

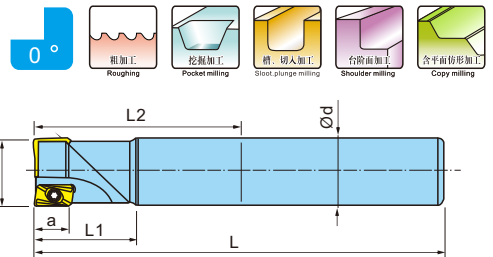
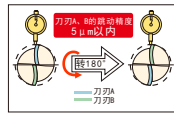
型号 Cat. No	尺寸 Size				Teeth	刀片 Insert	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)
	D	L	d	M							
ASMM0708R-1	8	20	6.5	M6	1	JDMT0702..R EDMT0702..R	M2.5X6	T8	○	323400	400
ASMM0710R-2	10	20	6.5	M6	2				●	323402	400
ASMM0711R-2	11	20	6.5	M6	2				●	323404	400
ASMM0712R-2	12	20	6.5	M6	2				●	323406	400
ASMM0712R-3	12	20	6.5	M6	3				●	323408	400
ASMM0713R-3	13	20	6.5	M6	3				○	323410	400
ASMM0716R-3	16	25	8.5	M8	3				○	323412	400
ASMM0716R-4	16	25	8.5	M8	4				●	323414	400
ASMM0717R-3	17	25	8.5	M8	3				○	323416	400
ASMM0717R-4	17	25	8.5	M8	4				●	323418	400
ASMM0720R-4	20	30	10.5	M10	4				●	323420	400
ASMM0720R-5	20	30	10.5	M10	5				○	323422	500
ASMM0721R-4	21	30	10.5	M10	4				●	323424	400
ASMM0725R-5	25	30	12.5	M12	5				○	323426	500
ASMM0725R-6	25	30	12.5	M12	6				○	323428	600
ASMM0726R-5	26	30	17	M12	5				○	323430	500
ASMM0726R-6	26	30	17	M12	6				○	323432	600
ASMM0732R-5	32	30	17	M16	5				○	323434	600
ASMM0732R-8	32	30	17	M16	8				○	323436	800

APKT 直角台肩 有孔 铣削刀片

用途 Application	产品图片 Product Image	几何尺寸 Dimensioning	规格型号 Specification	尺寸 Dimension (mm)				配套刀柄 Matching Toolholder	PCD CBN-K CBN-S ZrN60 ZrN80 ZrN100 ZrN120 ZrN150 ZrN163 ZrN163
				r _c	A	B	T		
直角台肩铣削 Right Angle Shoulder Milling			APKT 1003PDR-HM	0.5	10.95	6.7	3.55	刀柄: (Toolholder) D18	●
			1003PDTR-76	0.5	11.00	6.7	3.47		●
			1003PDTR-RM	0.5	11.00	6.7	3.47		●
			100308PDTR-RM	0.8	11.00	6.7	3.47		●
			100310PDR-RM	1.0	10.75	6.7	3.47		●
			100312TR-RM	1.2	10.50	6.7	3.47		●
			100316PDTR-RM	1.6	10.90	6.7	3.47		●
100320PDTR-RM	2.0	10.90	6.7	3.47	●				

AP1003 直角台肩铣刀 Right Angle Shoulder Milling Cutter

切削参数 (Cutting Parameters): R17-R20
零配件 (Spare Parts): P01-P04



- 适合强力切削，回转及进刀量是一般铣刀的3倍
- 刃口锋利，坚固。

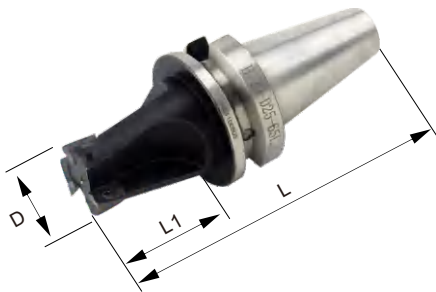
- ★ Suitable for heavy cutting, rotary and feed volume is 3 times the normal cutter.
- ★ Blade sharp, strong.

型号 Cat. No	尺寸 Size				刃数 No. of Flutes	a	刀片 Insert	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)
	D	d	L	L1								
AP1003RC16-16-100-2T	16	16	100	30	2	9	APKT1003..	M2.5×6	T8	○	323600	180
AP1003RC16-16-150-2T	16	16	150	30	2					○	323602	180
AP1003RC20-18-150-2T	18	20	150	30	2					○	323604	200
AP1003RC20-18-200-2T	18	20	200	30	2					○	323606	200
AP1003RC20-20-100-2T	20	20	100	30	2					○	323608	200
AP1003RC20-20-150-2T	20	20	150	30	2					○	323610	200

Ap10 一体式高速强力方肩铣刀

AP10 integrated high strength square shoulder milling cutter

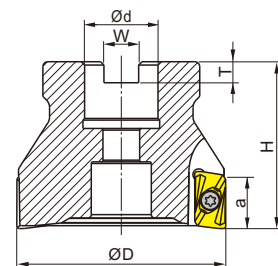
切削参数 (Cutting Parameters): R17-R20
零配件 (Spare Parts): P01-P04



型号 Cat. No	刃数 Edges	总长 L	有效长 L1	直径 D	刀片 Insert	Order Number	Price (RMB)
BT30-AP10-16-2T	2	155	90	16	APKT1003	323700	950
BT30-AP10-20-2T	2	155	90	20		323702	950
BT30-AP10-25-3T	3	155	90	25		323704	1000
BT30-AP10-32-4T	4	155	90	32		323706	1150
BT40-AP10-16-2T	2	155	90	16		323710	1000
BT40-AP10-20-2T	2	155	90	20		323712	1000
BT40-AP10-25-3T	3	155	90	25		323714	1150
BT40-AP10-32-4T	4	155	90	32		323716	1250

AP 直角台肩面铣刀盘 AP Right angle shoulder face mill

切削参数 (Cutting Parameters): R17-R20
零配件 (Spare Parts): P01-P04



型号 Cat. No	刃数 No. of flutes	尺寸 Size				刀片 Insert	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)
		D	d	H	W						
AP1003R40-16-5T	5	40	16	40	10.4	APKT1003	M2.5×6	T8	●	323800	420
AP1003R50-22-6T	6	50	22	45	10.4	APKX1003			●	323802	380
AP1003R63-22-7T	7	63	22	45	10.4				●	323804	420

刀杆
刀盘

直角台肩
立铣刀

圆角
铣刀

球头
铣刀

钻铣
刀杆

倒角
刀杆

玉米
铣刀

三
面刃
槽刀

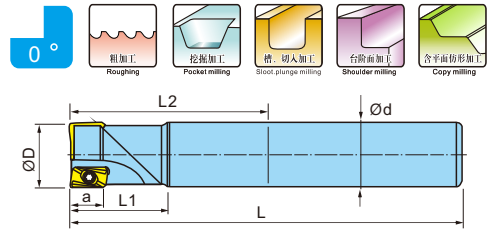
快
进给
系列

龙门
平面
铣刀

锁
牙式
刀柄

BAP

直角台肩
有孔
铣削刀片



- 适合强力切削，回转及进刀量是一般铣刀的3倍
- 适配刀片经济，性价比高。
- ★ Suitable for heavy cutting, rotary and feed volume is 3 times the normal cutter.
- ★ Adapter blade economy, cost-effective.

切削参数 (Cutting Parameters): R17-R20
零配件 (Spare Parts): P01-P04

型号 Cat. No	尺寸 Size					刃数 No. of flutes	刀片 Insert 	螺钉 Screw 	扳手 Wrench 	Stock	Order Number	Price (RMB)	Price (RMB)	
	D	d	L	L1	L2									
BAP300RC10-10-100-1T	10	10	100	30	-	9	1	APMT 1135 PDER	M2.5×6	T8	•	323900	67	-
BAP300RC10-10-120-1T	10	10	120	30	-	9	1				•	323902	67	90
BAP300RC10-11-120-1T	11	10	120	30	-	9	1				•	323904	67	90
BAP300RC12-12-130-1T	12	12	120	30	-	9	1				•	323906	67	95
BAP300RC12-13-130-1T	13	12	130	30	-	9	1				•	323908	67	95
BAP300RC14-14-130-2T	14	14	130	30	-	9	2				•	323910	77	-
BAP300RC14-14-150-2T	14	14	150	30	-	9	2				•	323912	77	-
BAP300RC15-16-150-2T	16	15	150	40	-	9	2				•	323914	77	100
BAP300RC15-16-200-2T	16	15	200	40	-	9	2				•	323916	100	-
BAP300RC15.6-16-150-2T	16	15.6	150	40	-	9	2				•	323918	77	-
BAP300RC15.6-16-200-2T	16	15.6	200	40	-	9	2				•	323920	100	-
BAP300RC16-16-120-2T	16	16	120	40	-	9	2				•	323922	77	100
BAP300RC16-16-150-2T	16	16	150	50	-	9	2				•	323924	77	100
BAP300RC16-16-200-2T	16	16	200	60	100	9	2				•	323926	100	130
BAP300RC25-16-250-2T	16	25	250	60	-	9	2				•	323928	133	-
BAP300RC16-17-120-2T	17	16	120	40	-	9	2				•	323930	77	100
BAP300RC16-17-150-2T	17	16	150	40	-	9	2				•	323932	77	130
BAP300RC16-17-200-2T	17	16	200	40	-	9	2				•	323934	100	-
BAP300RC16-18-150-2T	18	16	150	40	-	9	2				•	323936	93	-
BAP300RC16-18-200-2T	18	16	200	40	-	9	2				•	323938	107	-
BAP300RC19-20-150-2T	20	19	150	40	-	9	2				•	323940	93	120
BAP300RC19-20-200-2T	20	19	200	40	-	9	2				•	323942	107	135
BAP300RC20-20-120-2T	20	20	120	35	-	9	2				•	323944	93	115
BAP300RC20-20-150-2T	20	20	150	50	-	9	2				•	323946	93	120
BAP300RC20-20-200-2T	20	20	200	60	100	9	2				•	323948	107	135
BAP300RC20-20-250-2T	20	20	250	60	-	9	2				•	323950	133	-
BAP300RC25-20-250-2T	20	25	250	60	-	9	2				•	323952	167	-
BAP300RC20-21-120-2T	21	20	120	50	-	9	2				•	323954	93	-
BAP300RC20-21-150-2T	21	20	150	50	-	9	2				•	323956	93	120
BAP300RC20-21-200-2T	21	20	200	50	-	9	2				•	323958	107	135
BAP300RC24-25-150-3T	25	24	150	50	-	9	3				•	323960	140	-
BAP300RC24-25-200-3T	25	24	200	50	-	9	3				•	323962	167	-
BAP300RC24-25-250-3T	25	24	250	60	-	9	3				•	323964	200	-
BAP300RC25-25-120-3T	25	25	120	50	-	9	3				•	323966	-	140
BAP300RC25-25-150-3T	25	25	150	50	-	9	3				•	323968	140	150
BAP300RC25-25-200-3T	25	25	200	60	-	9	3				•	323970	167	160
BAP300RC25-25-250-3T	25	25	250	60	115	9	3				•	323972	200	-
BAP300RC25-30-150-4T	30	25	150	50	-	9	4				•	323974	-	150
BAP300RC25-30-200-4T	30	25	200	60	-	9	4				•	323976	-	180
BAP300RC25-30-250-4T	30	25	250	60	-	9	4				•	323978	-	250
BAP300RC32-28.5-190-3T	28.5	32	190	50	65	9	3	•	323980	-	260			
BAP400RC24-25-150-2T	25	24	150	50	-	14	2	•	323982	107	140			
BAP400RC24-25-200-2T	25	24	200	60	-	14	2	•	323984	133	150			
BAP400RC24-25-250-2T	25	24	250	50	-	14	2	•	323986	167	-			
BAP400RC25-25-150-2T	25	25	150	60	-	14	2	•	323988	107	140			
BAP400RC25-25-200-2T	25	25	200	70	-	14	2	•	323990	133	150			
BAP400RC25-25-250-2T	25	25	250	70	-	14	2	•	323992	167	165			
BAP400RC32-25-300-2T	25	32	300	40	-	14	2	•	323994	267	-			
BAP400RC25-26-150-2T	26	25	150	50	-	14	2	•	323996	107	140			
BAP400RC25-26-200-2T	26	25	200	60	-	14	2	•	323998	133	150			
BAP400RC25-26-250-2T	26	25	250	60	-	14	2	•	324000	167	165			
BAP400RC25-26-300-2T	26	25	300	45	-	14	2	•	324002	-	185			
BAP400RC25-30-150-2T	30	25	150	45	-	14	2	•	324004	120	-			
BAP400RC25-30-200-2T	30	25	200	45	-	14	2	•	324006	140	-			
BAP400RC25-30-250-2T	30	25	250	50	-	14	2	•	324008	183	-			
BAP400RC32-32-150-3T	32	32	150	50	-	14	3	•	324010	167	160			
BAP400RC32-32-200-3T	32	32	200	60	-	14	3	•	324012	200	170			
BAP400RC32-32-250-3T	32	32	250	60	115	14	3	•	324014	233	190			
BAP400RC32-32-300-3T	32	32	300	60	115	14	3	•	324016	300	220			
BAP400RC32-32-350-3T	32	32	350	60	-	14	3	•	324018	333	-			
BAP400RC32-32-400-3T	32	32	400	50	-	14	3	•	324020	550	-			
BAP400RC32-35-150-3T	35	32	150	50	-	14	3	•	324022	167	185			
BAP400RC32-35-200-3T	35	32	200	50	-	14	3	•	324024	200	200			
BAP400RC32-35-250-3T	35	32	250	50	-	14	3	•	324026	250	240			
BAP400RC32-35-300-3T	35	32	300	50	-	14	3	•	324028	300	280			
BAP400RC32-35-350-3T	35	32	350	50	-	14	3	•	324030	367	320			
BAP400RC32-35-400-3T	35	32	400	50	-	14	3	•	324032	550	360			
BAP400RC32-40-150-3T	40	32	150	50	-	14	3	•	324034	183	-			
BAP400RC32-40-200-3T	40	32	200	60	-	14	3	•	324036	217	220			
BAP400RC32-40-250-3T	40	32	250	60	-	14	3	•	324038	267	260			
BAP400RC32-40-300-3T	40	32	300	60	-	14	3	•	324040	317	300			
BAP400RC32-40-350-3T	40	32	350	60	-	14	3	•	324042	400	340			
BAP400RC32-40-400-3T	40	32	400	60	-	14	3	•	324044	500	400			
BAP400RC32-50-150-4T	50	32	150	50	-	14	4	•	324046	267	-			
BAP400RC32-50-200-4T	50	32	200	50	-	14	4	•	324048	333	-			

刀杆
刀盘

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻铣
刀杆

倒角
刀杆

玉米
铣刀

三
面刃
槽刀

快
进给
系列

龙门
平面
铣刀

锁
牙式
刀柄



AP 直角铝合金
有孔
铣削刀盘

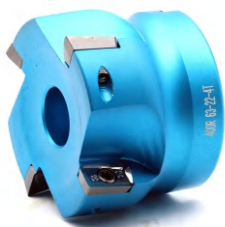
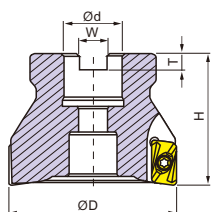
切割参数 (Cutting Parameters): R17-R20
零配件 (Spare Parts): P01-P04

- 高强度铝合金刀体，更适合小功率机床，
- 精细的轴向调节功能，可获得高的表面质量！
- 备有直径错齿刀夹，粗精加工一次完成
- 选装PCD等精加工刀粒错齿铣削，表面效果令您更满意！

- ★ High strength aluminum alloy body, more suitable for small power machine,
- ★ Fine axial adjustment function, can obtain a high surface quality!
- ★ Have the wrong tooth diameter cutter holder, the rough and finish machining of a complete
- ★ The optional PCD finishing tool grain wrong tooth milling, surface effects to make you more satisfied!

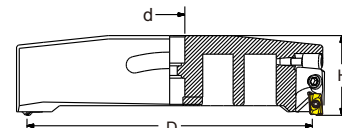
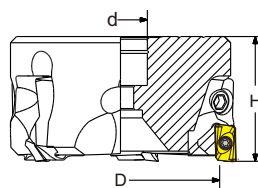
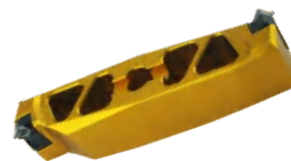
AL-AP 机夹式直角台肩立铣刀盘-铝制高光

Machine-Clamped Right-Angle Shoulder End Milling Cutter Head-Aluminum Highlight



配件(Accessory):
刀片:AP..1604..
螺钉:M4X10
扳手:T15

- 特点: 铝材壳体, 重量轻, 直角高光效率高
- ★ Features: Aluminum Shell, Light Weight, Right Angle And High Polishing Efficiency



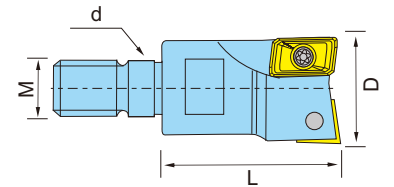
配件(Accessory):
刀片:AP..1604..
螺钉:M4X10
扳手:T15

订购编码 Order	规格型号 Specification	尺寸 Dimensions					刃数 Edge	价格 Price
		D	d	H	W	T		
324450	AL-AP16-50-22-4T	50	22	50	10.4	6.3	4	260
324452	AL-AP16-63-22-4T	63	22	50	10.4	6.3	4	320
324454	AL-AP16-80-22-6T	80	22	50	12.4	7	6	440
324456	AL-AP16-80-27-5T	80	27	50	12.4	7	5	440
324458	AL-AP16-80-27-6T	80	27	50	12.4	7	6	440
324460	AL-AP16-100-22-6T	100	22	50	14.4	8	6	750
324462	AL-AP16-100-27-6T	100	27	50	14.4	8	6	750
324464	AL-AP16-100-32-6T	100	32	50	14.4	8	6	750
324466	AL-AP16-125-22-6T	125	22	50	16.4	8	6	1165
324468	AL-AP16-125-27-6T	125	27	50	16.4	8	6	1165
324470	AL-AP16-125-32-6T	125	32	50	16.4	8	6	1165
324472	AL-AP16-125-40-6T	125	40	50	16.4	8	6	1165
324474	AL-AP16-125-40-7T	125	40	50	16.4	8	7	1150
324476	AL-AP16-160-32-8T	160	32	50	16.4	9	8	1300
324478	AL-AP16-160-40-8T	160	40	50	16.4	9	8	1200
324480	AL-AP16-200-40-10T	200	40	63	16.4	9	10	2800
324482	AL-AP16-250-40-10T	250	40	63	16.4	9	10	3500
324484	AL-AP16-250-60-10T	250	60	63	16.4	9	10	3800
324486	AL-AP16-300-32-14T	300	32	63	16.4	9	14	4300

订购编码 Order	规格型号 Specification	Dimensions			适配刀夹 Fit Holder	刃数 Edge	价格 Price
		D	d	H			
324400	MA-AP74-A22Z04	74	22	51	AP16-G	4	1450
324402	MA-AP91-A22Z05	91	22	51		5	1900
324404	MA-AP111-A27Z06	111	27	51		6	2400
324406	MA-AP111-B25.4Z06	111	25.4	51		6	2400
324408	MA-AP136-A27Z08	136	27	51		8	3100
324410	MA-AP171-A40Z08	171	27	55		8	3400
324412	MA-AP211-A40Z10	211	27	55	8	4200	
324414	MAQ-AP311-A40Z12	311	27	55	AP16-F	8	5000
324416	MAQ-AP171-A22Z02	171	22	58		2	1900
324418	MAQ-AP221-A22Z02	221	22	58		2	2285
324420	MAQ-AP261-A22Z02	261	22	58		2	2370
324422	MAQ-AP326-A27Z02	326	27	65		2	3150



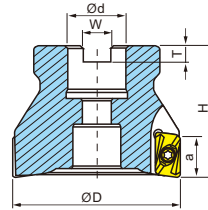
BAPM 直角台肩
有孔
立铣刀



切削参数 (Cutting Parameters): R17-R20 零配件 (Spare Parts): P01-P04

型号 Cat. No	尺寸 Size				Teeth	刀片 Insert	压板 Clamp	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)
	D	L	d	M								
BAP3R162M08	16	25	8.5	M8	2	APMT1135PDER	--	M2.5X6.5	T8	●	324100	150
BAP3R172M08	17	25	8.5	M8	2					●	324102	180
BAP3R202M10	20	30	10.5	M10	2					●	324104	150
BAP3R212M10	21	30	10.5	M10	2					●	324106	180
BAP3R253M12	25	35	12.5	M12	3					●	324108	150
BAP3R263M12	26	35	12.5	M12	3					●	324110	200
BAP4R252M12	25	35	12.5	M12	2	APMT1604PDER	--	M4X9	T15	●	324112	160
BAP4R262M12	26	35	12.5	M12	2					●	324114	200
BAP4R302M16	30	40	17	M16	2					●	324116	200
BAP4R323M16	32	40	17	M16	3					●	324118	260
BAP4R353M16	35	40	17	M16	3					●	324120	280

BAP 直角台肩面铣刀盘
BAP Type RightAngle Shoulder
Milling Cutter



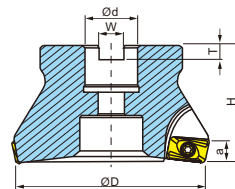
- 使用11° 正角刀片
- 适配多种材质刀片, 可适用铝钢铁削
- 螺丝锁紧, 容屑空间大, 排屑好
- 切削轻快, 阻力小

★ 11° positive angle blade
★ Adaptive multi-material blade, applicable to aluminum steel milling
★ Screw locking, allow a large space debris, a good chip disposal
★ Cutting light, the resistance of small

切削参数 (Cutting Parameters): R17-R20
零配件 (Spare Parts): P01-P04

型号 Cat. No	尺寸 Size						刀片 Insert	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)	Price (RMB)
	D	d	H	W	T	a							
BAP300R40-16-5T	40	16	40	8.4	5.6	9	APMT1135 PDER	M2.5×6	T8	●	324200	167	250
BAP300R50-22-6T	50	22	50	10.4	6.3	9				●	324202	217	225
BAP300R63-22-7T	63	22	50	10.4	6.3	9				●	324204	283	312
BAP400R50-22-4T	50	22	50	10.4	6.3	14	APMT1604 PDER	M4×10	T15	●	324206	167	200
BAP400R63-22-4T	63	22	50	10.4	6.3	14				●	324208	200	225
BAP400R80-27-6T	80	27	50	12.4	7	14				●	324210	307	350
BAP400R100-32-6T	100	32	50	14.4	8	14				●	324212	483	540
BAP400R125-40-7T	125	40	63	16.4	9	14				●	324214	767	665
BAP400R160-40-8T	160	40	63	16.4	9	14				●	324216	867	1100
BAP400R200-60-9T	200	60	63	25.7	14	14				●	324218	1833	1600
BAP400R250-60-10T	250	60	63	25.7	14	14				●	324220	2500	2100
BAP400R300-60-14T	300	60	65	25.7	14	14				●	324222	3000	-
BAP400R63-25.4-4T	63	25.4	50	10	6	14				●	324224	167	225
BAP400R80-25.4-6T	80	25.4	50	10	6	14				●	324226	200	350
BAP400R100-31.75-6T	100	31.75	50	13	8	14				●	324228	333	540
BAP400R125-38.1-8T	125	38.1	63	16.2	10	14				●	324230	500	665
BAP400R160-50.8-9T	160	50.8	63	19.3	11	14				●	324232	-	1100

RAP-75°
面铣刀盘
Face Milling Cutter



- 使用APMT1604废弃刀片, 节约成本
- ★ Abandoned the use of APMT1604 Insert, cost savings

切削参数 (Cutting Parameters): R17-R20
零配件 (Spare Parts): P01-P04

型号 Cat. No	尺寸 Size						刀片 Insert	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)	Price (RMB)
	D	d	H	W	T	a							
RAP300R50-22-4T	50	22	50	10.4	6.3	6.5	APMT 1604 PDER	M4×10	T15	●	332300	233	-
RAP300R63-22-4T	63	22	50	12.4	7	6.5				●	332302	267	-
RAP300R50-25.4-4T	50	25.4	50	10.4	6.3	6.5				●	332304	233	-
RAP300R63-25.4-4T	63	25.4	50	12.4	7	6.5				●	332306	267	-
RAP400R63-22-4T	63	22	50	14.4	8	8				●	332308	267	225
RAP400R63-25.4-4T	63	25.4	50	14.4	8	8				●	332310	267	-
RAP400R80-27-5T	80	27	50	14.4	8	8				●	332312	367	350
RAP400R100-32-6T	100	32	50	14.4	9	8				●	332314	500	540
RAP400R125-40-7T	125	40	63	16.4	9	8				●	332316	933	665
RAP400R160-40-8T	160	40	63	16.4	9	8				●	332318	1067	1100
RAP400R200-60-9T	200	60	63	25.7	14	8				●	332320	-	1600
RAP400R250-60-10T	250	60	63	25.7	14	8				●	332322	-	2100

刀杆
刀盘

直角台肩
立铣刀

圆角
铣刀

球头
铣刀

钻头
刀杆

倒角
刀杆

玉米
铣刀

三
面刃
槽刀

快
进给
系列

龙门
平面
铣刀

锁
牙式
刀柄

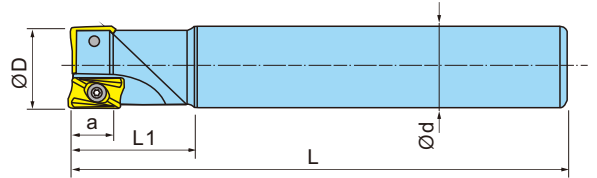
R390

直角台肩
有孔
铣削刀片

用途 Application	产品图片 Product Image	几何尺寸 Dimensioning	规格型号 Specification	尺寸 Dimension (mm)				配套刀柄 Matching Toolholder	PCD CBN+K CBN+S ZN60 ZK01 ZK02S ZK02L ZP150 ZP152 ZP153 ZP163	
				r _c	A	B	T			
直角台肩铣削 Right Angle Shoulder Milling			R390- 11T304M-PM	0.4	10	6.8	3.59	刀柄: (Toolholder) D23-D24	●	
			11T308M-PM	0.8	10	6.8	3.59		●	
			11T316M-PM	1.6	10	6.8	3.59		●	
			11T331M-PM	3.1	10	6.8	3.59		●	
			170404M-PM	0.4	15.7	9.6	4.76		●	
			170408M-PM	0.8	15.7	9.6	4.76		●	
			170416M-PM	1.6	15.7	9.6	4.76		●	
			170431M-PM	3.1	15.7	9.6	4.76		●	
										●
										●

R390

直角台肩精铣刀
Right angle shoulder fine milling cutter



切削参数 (Cutting Parameters): R17-R20
零配件 (Spare Parts): P01-P04

● 精度高, 适于精加工
★ High precision, suitable for finishing

型号 Cat. No	尺寸 Size					刀片 Insert	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)	Price (RMB)			
	D	d	L	L1	a										
R390-11RC15-16-150-2T	16	15	150	40	11	R390-11T308	M2.5×6	T8	●	324600	133	350			
R390-11RC15-16-200-2T	16	15	200	40	11				●	324602	167	-			
R390-11RC16-16-150-2T	16	16	150	50	11				●	324604	133	150			
R390-11RC16-16-200-2T	16	16	200	60	11				●	324606	167	160			
R390-11RC16-17-150-2T	17	16	150	40	11				●	324608	133	170			
R390-11RC16-17-200-2T	17	16	200	40	11				●	324610	167	180			
R390-11RC19-20-150-2T	20	19	150	40	11				●	324612	150	-			
R390-11RC19-20-200-2T	20	19	200	40	11				●	324614	183	200/380			
R390-11RC20-20-150-2T	20	20	150	50	11				●	324616	150	180			
R390-11RC20-20-200-2T	20	20	200	60	11				●	324618	183	200			
R390-11RC20-21-150-2T	21	20	150	50	11				●	324620	150	180			
R390-11RC20-21-200-2T	21	20	200	50	11				●	324622	183	200			
R390-11RC20-22-200-2T	22	20	200	50	11				●	324624	-	360			
R390-11RC24-25-150-2T	25	24	150	50	11				●	324626	167	-			
R390-11RC24-25-200-2T	25	24	200	50	11				●	324628	200	-			
R390-11RC24-25-220-2T	25	24	220	50	11				●	324630	-	450			
R390-11RC25-25-150-2T	25	25	150	50	11				●	324632	167	225			
R390-11RC25-25-200-2T	25	25	200	60	11				●	324634	200	250			
R390-11RC25-26-150-2T	26	25	150	50	11				●	324636	167	225			
R390-11RC25-26-200-2T	26	25	200	60	11				●	324638	200	250			
R390-11RC25-26-250-2T	26	25	250	60	11				●	324640	233	-			
R390-11RC29-30-250-2T	30	29	250	50	11				●	324642	-	640			
R390-11RC32-33-150-2T	33	32	150	50	11				●	324644	200	-			
R390-11RC32-33-200-2T	33	32	200	50	11				●	324646	233	-			
R390-11RC32-33-250-2T	33	32	250	50	11				●	324648	267	-			
R390-11RC32-33-300-2T	33	32	300	50	11				●	324650	300	-			
R390-11RC32-33-350-2T	33	32	350	50	11				●	324652	333	-			
R390-11RC32-35-330-2T	35	32	330	55	11				●	324654	-	750			
R390-17RC25-25-160-2T	25	25	160	40	17				R390-170408	M3.5×8	T15	●	324656	-	225
R390-17RC25-25-200-2T	25	25	200	50	17							●	324658	-	250
R390-17RC25-32-200-2T	32	25	200	50	17	●	324660	-				300			

R390

直角台肩铣削加工 Right angle shoulder milling

■ R390 直角台肩面铣刀盘

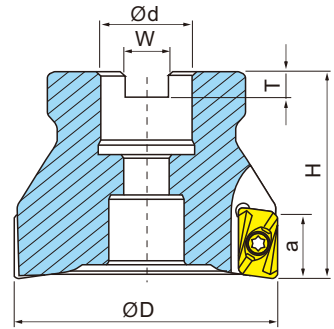
Right Angle Shoulder Milling Cutter



切削参数 (Cutting Parameters): R17-R20
零配件 (Spare Parts): P01-P04

- 适配精磨刀片
- 精度高, 适于精加工
- 锥形设计, 钢性高

- ★ Adapter grinding Inserts
- ★ High precision, suitable for finishing
- ★ Cone design, steel high

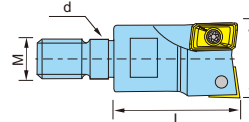


型号 Cat. No	尺寸 Size					刀片 Insert	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)
	D	d	H	W	T						
R390-11R50-22-4T	50	22	50	10.4	6.3	R390-11T308	M2.5×6	T8	●	324500	240/400
R390-11R63-22-4T	63	22	50	10.4	6.3					324502	280/500
R390-17R63-22-4T	63	22	50	10.4	6.3	R390-170408	M3.5×10	T15	●	324504	250
R390-17R80-27-6T	80	27	50	12.4	7					324506	400
R390-17R100-32-6T	100	32	50	14.4	8					324508	600
R390-17R125-40-6T	125	40	63	16.4	9					324510	750
R390-17R160-80-6T	160	40	63	16.4	9					324512	1150

■ R390 锁牙式刀头

R390 Shoulder/Cutting End Mills

切削参数 (Cutting Parameters): R17-R20
零配件 (Spare Parts): P01-P04

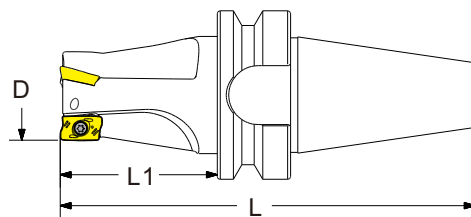


型号 Cat. No	尺寸 Size				Teeth	刀片 Insert	压板 Clamp	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)
	D	L	d	M								
R390-11-16-2T-M8	16	25	8.5	M8	2	R390-11T3..	--	M2.5X6	T8	●	324530	250
R390-11-17-2T-M8	17	25	8.5	M8	2						324532	250
R390-11-20-2T-M10	20	30	10.5	M10	2						324534	300
R390-11-21-2T-M10	21	30	10.5	M10	2						324536	300
R390-11-25-2T-M12	25	35	12.5	M12	2						324538	400
R390-11-26-2T-M12	26	35	12.5	M12	2						324540	400
R390-11-32-2T-M16	32	35	17	M16	2						324542	500
R390-11-33-2T-M16	33	35	17	M16	2						324544	500
R390-11-35-3T-M16	35	40	17	M16	3						324546	500

■ R390 一体式高速强力方肩铣刀

R390 Integrated High Strength Square Shoulder Milling Cutter

切削参数 (Cutting Parameters): R17-R20
零配件 (Spare Parts): P01-P04



- 一体式刚性结构, 轻量化, 更具高速性能。
- 通过选用不同材质刀粒, 可适用于钢及铝合金的粗精加工, 适用范围广, 高效率, 高刚性!
- ★ Lightweight one-piece rigid structure, high performance, more.
- ★ Through the selection of different material grain, can be used in the steel and copper aluminum alloy. The coarse and fine processing, wide application range, high efficiency, high rigidity!

型号 Cat. No	刃数 Edges	总长 L	有效长 L1	直径 D	刀片 Insert	Stock	Order Number	Price (RMB)
BT30-R390-16-2T	2	155	35	16	R390-11T308	●	324700	1150
BT30-R390-20-2T	2	155	35	20		●	324702	1150
BT30-R390-25-3T	3	155	35	25		●	324704	1100
BT30-R390-32-4T	4	155	35	32		●	324706	1200
BT40-R390-16-2T	2	155	45	16		●	324708	1100
BT40-R390-20-2T	2	155	45	20		●	324710	1100
BT40-R390-25-3T	3	155	45	25		●	324712	1250
BT40-R390-32-4T	4	155	45	32		●	324714	1350

刀杆
刀盘

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻铣
刀杆

倒角
刀杆

玉米
铣刀

三
面刃
槽刀

快
进给
系列

龙门
平面
铣刀

锁
牙式
刀柄

RT

直角台肩
有孔
铣削刀片

Application 用途	Product Image 产品图片	Dimensioning 几何尺寸	Specification 规格型号	Dimension (mm) 尺寸						Matching Toolholder 配套刀柄	Material 材料							
				r _c	A	B	T	L	a		PCD	CBN-K	CBN-S	ZN60	ZK01	ZK02	ZK03	ZN150
直角台肩铣削 Right Angle Milling			RT 070204R-81 100304R-81 100304R-31 100308R-81	0.4 0.4 0.4 0.8	6.4 11 11 11	4.3 6.35 6.35 6.35	2.38 3.4 3.4 3.4	1.3 1.8 1.8 1.8	1.5 2.1 2.1 2.1	刀柄: (Toolholder) D25-D26	●●●● ●●●● ●●●● ●●●●	●● ●● ●● ●●	●● ●● ●● ●●	●● ●● ●● ●●	●● ●● ●● ●●	●● ●● ●● ●●	●● ●● ●● ●●	●● ●● ●● ●●

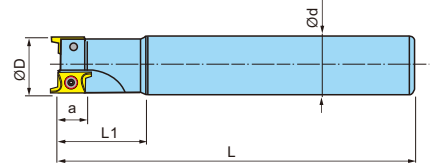
RT 直角台肩精铣刀

Right Angle Shoulder Fine Milling Cutter



● 精度高，适于精加工

★ High precision, suitable for finishing

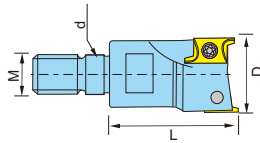


切削参数 (Cutting Parameters): R17-R20
零配件 (Spare Parts): P01-P04

Order Number	型号 Cat. No	尺寸 Size					刀片 Insert	螺钉 Screw	扳手 Wrench	Stock	Price (RMB)			
		D	d	L	L1	Teeth								
324900	RT07RC10-06-100-1T	6	10	100	30	1	RT070204R81	M2.0×4	T6	○	324900			
324902	RT07RC10-08-100-1T	8	10	100	30	1				○	324902			
324904	RT07RC10-10-150-2T	10	10	150	25	2				○	324904			
324906	RT07RC10-11-150-2T	11	10	150	20	2				○	324906			
324908	RT07RC12-12-150-2T	12	12	150	30	2				○	324908			
324910	RT07RC12-13-150-2T	13	12	150	20	2				○	324910			
324912	RT07RC16-16-150-3T	16	16	150	30	3				○	324912			
324914	RT07RC16-16-200-3T	16	16	200	30	3				○	324914			
324916	RT07RC16-17-150-3T	17	16	150	25	3				○	324916			
324918	RT07RC16-17-200-3T	17	16	200	25	3				○	324918			
324920	RT07RC20-20-150-4T	20	20	150	30	4				○	324920			
324922	RT07RC20-20-200-4T	20	20	200	30	4				○	324922			
324924	RT10RC16-16-150-2T	16	16	150	30	2				RT1003	M2.5×6	T8	○	324924
324926	RT10RC16-16-200-2T	16	16	200	30	2							○	324926
324928	RT10RC16-17-150-2T	17	16	150	25	2							○	324928
324930	RT10RC16-17-200-2T	17	16	200	25	2							○	324930
324932	RT10RC20-20-150-2T	20	20	150	30	2							○	324932
324934	RT10RC20-20-150-3T	20	20	150	30	3							○	324934
324936	RT10RC20-20-200-2T	20	20	200	30	2	○	324936						
324938	RT10RC20-20-200-3T	20	20	200	30	3	○	324938						
324940	RT10RC20-21-150-2T	21	20	150	25	2	○	324940						
324942	RT10RC20-21-150-3T	21	20	150	25	3	○	324942						
324944	RT10RC20-21-200-2T	21	20	200	25	2	○	324944						
324946	RT10RC20-21-200-3T	21	20	200	25	3	○	324946						
324948	RT10RC25-25-150-2T	25	25	150	40	2	○	324948						
324950	RT10RC25-25-150-3T	25	25	150	40	3	○	324950						
324952	RT10RC25-25-200-2T	25	25	200	40	2	○	324952						
324954	RT10RC25-25-200-3T	25	25	200	40	3	○	324954						
324956	RT10RC25-26-150-2T	26	25	150	25	2	○	324956						
324958	RT10RC25-26-150-3T	26	25	150	25	3	○	324958						
324960	RT10RC25-26-200-2T	26	25	200	25	2	○	324960						
324962	RT10RC25-26-200-3T	26	25	200	25	3	○	324962						
324964	RT10RC32-32-150-4T	32	32	150	40	4	○	324964						
324966	RT10RC32-32-150-5T	32	32	150	40	5	○	324966						
324968	RT10RC32-32-200-4T	32	32	200	40	4	○	324968						
324970	RT10RC32-32-200-5T	32	32	200	40	5	○	324970						
324972	RT10RC32-33-150-4T	33	32	150	35	4	○	324972						
324974	RT10RC32-33-150-5T	33	32	150	35	5	○	324974						
324976	RT10RC32-33-200-4T	33	32	200	35	4	○	324976						
324978	RT10RC32-33-200-5T	33	32	200	35	5	○	324978						
324980	RT10RC32-35-150-4T	35	32	150	35	4	○	324980						
324982	RT10RC32-35-150-5T	35	32	150	35	5	○	324982						
324984	RT10RC32-35-200-4T	35	32	200	35	4	○	324984						
324986	RT10RC32-35-200-5T	35	32	200	35	5	○	324986						

■ RT 直角台肩立铣刀 Shoulder/Cutting End Mills(RT)

切削参数 (Cutting Parameters): R17-R20
零配件 (Spare Parts): P01-P04



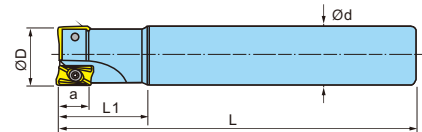
型号 Cat. No	尺寸 Size				Teeth	刀片 Insert	压板 Clamp	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)
	D	L	d	M								
RT07R102M05	10	18	5.5	M5	2	RT070204R81	--	M2.0×4	T6	○	325200	325200
RT07R112M05	11	18	5.5	M5	2					○	325202	325202
RT07R122M06	12	20	6.5	M6	2					○	325204	325204
RT07R132M06	13	20	6.5	M6	2					○	325206	325206
RT10R162M08	16	30	8.5	M8	2					○	325208	325208
RT10R172M08	17	30	8.5	M8	2	○	325210	325210				
RT10R203M10	20	30	10.5	M10	3	RT1003	--	M2.5×6	T8	○	325212	325212
RT10R212M10	21	30	10.5	M10	2					○	325214	325214
RT10R213M10	21	30	10.5	M10	3					○	325216	325216
RT10R253M12	25	35	12.5	M12	3					○	325218	325218
RT10R263M12	26	35	12.5	M12	3					○	325220	325220
RT10R324M16	32	43	17	M16	4					○	325222	325222
RT10R325M16	32	43	17	M16	5					○	325224	325224
RT10R334M16	33	43	17	M16	4					○	325226	325226
RT10R354M16	35	43	17	M16	4					○	325228	325228
RT10R355M16	35	43	17	M16	5					○	325230	325230

XOMX 直角台肩
有孔
铣削刀片

用途 Application	产品图片 Product Image	几何尺寸 Dimensioning	规格型号 Specification	尺寸 Dimension (mm)				配套刀柄 Matching Toolholder	XOMX ZK01 ZK02 ZK03 ZK04 ZK05 ZK06 ZK07 ZK08 ZK09 ZK10
				rC	A	B	T		
直角台肩铣削 Right Angle Milling			XOMX 060208FR-E03	0.8	6.94	4.09	2.45	刀柄: (Toolholder) D26	● ● ● ●
			060208R-M05	0.8	6.94	4.09	2.45		
			090308FR-E05	0.8	10.8	6.35	3.65		
			120408TR-M06	0.8	11.41	8.18	4.15		

■ T217.69 直角台肩精铣刀 Right Angle Shoulder Fine Milling Cutter

切削参数 (Cutting Parameters): R17-R20
零配件 (Spare Parts): P01-P04



型号 Cat. No	尺寸 Size				刀片 Insert	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)
	D	d	L	L1						
T217.69RC8-8-100-1T	8	8	100	25	XOMX060208	M1.8×4	T6	●	325300	130
T217.69RC10-10-130-2T	10	10	130	30				●	325302	150
T217.69RC10-11-130-2T	11	10	130	-				●	325304	150
T217.69RC12-12-130-2T	12	12	130	30				●	325306	160
T217.69RC12-13-130-2T	13	12	130	-				●	325308	160
T217.69RC16-16-160-2T	16	16	160	40				●	325310	175
T217.69RC16-17-160-2T	17	16	160	-				●	325312	175
T217.69RC20-20-160-2T	20	20	160	40	XOMX090308	M2.5×5.5	T8	●	325314	185
T217.69RC20-21-160-2T	21	20	160	-				●	325316	185
T217.69RC25-25-160-2T	25	25	160	50	XOMX120408	M3.5×8	T15	●	325318	190
T217.69RC25-25-200-2T	25	25	200	60				●	325320	200
T217.69RC25-26-160-2T	26	25	160	-				●	325322	190
T217.69RC25-26-200-2T	26	25	200	-				●	325324	200

刀杆
刀盘

直角台肩
立铣刀

圆角
铣刀

球头
铣刀

钻铣
刀杆

倒角
刀杆

玉米
铣刀

三
面刃
槽刀

快
进给
系列

龙门
平面
铣刀

锁
牙式
刀柄

AOMT 直角台肩
有孔
铣削刀片

用途 Application	产品图片 Product Image	几何尺寸 Dimensioning	规格型号 Specification	尺寸 Dimension (mm)				配套刀柄 Matching Toolholder
				r _c	A	B	T	
直角台肩铣削 Right Angle Milling			AOMT 123602PEER-M 123604PEER-M 123608PEER-M 123612PEER-M 123616PEER-M 123620PEER-M 123624PEER-M 123632PEER-M	0.2 0.4 0.8 1.2 1.6 2.0 2.4 3.2	12	6.6	3.6	配套刀柄 Matching Toolholder DCD CBN-K CBN-S ZK160 ZK01 ZK02 ZK03 ZK150 ZK152 ZK153 ZK163

刀杆
刀盘

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻头
刀杆

倒角
刀杆

玉米
铣刀

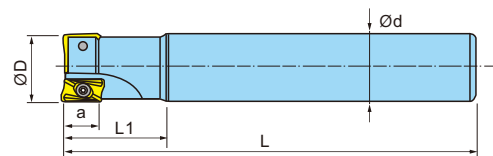
三
面刃
槽刀

快
进给
系列

龙门
平面
铣刀

锁
牙式
刀柄


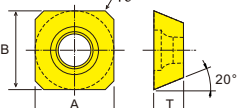

■ **EPX3000** 直角台肩精铣刀
Right Angle Shoulder Fine Milling Cutter



切削参数 (Cutting Parameters): R17-R20
零配件 (Spare Parts): P01-P04

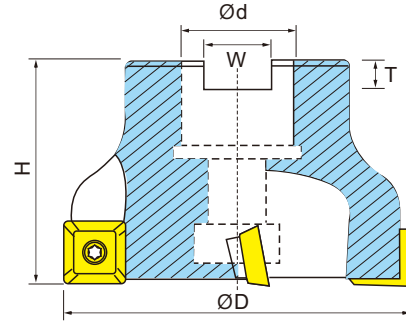
型号 Cat. No	尺寸 Size				刀片 Insert	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)
	D	d	L	L1						
EPX3000RC16-12-85-1T	12	16	85	25	AOMT12306	M2.5×6	T8	●	326200	130
EPX3000RC16-14-85-1T	14	16	85	25				●	326202	130
EPX3000RC16-16-85-2T	16	16	85	25				●	326204	130
EPX3000RC16-16-160-2T	16	16	160	30				●	326206	150
EPX3000RC16-16-180-2T	16	16	180	40				●	326208	180
EPX3000RC16-17-90-2T	17	16	90	25				●	326210	130
EPX3000RC16-17-120-2T	17	16	120	30				●	326212	150
EPX3000RC16-17-160-2T	17	16	160	30				●	326214	160
EPX3000RC16-17-200-2T	17	16	200	40				●	326216	180
EPX3000RC16-18-120-2T	18	16	120	25				●	326218	160
EPX3000RC20-20-100-3T	20	20	100	30				●	326220	175
EPX3000RC20-20-150-2T	20	20	150	35				●	326222	190
EPX3000RC20-20-200-2T	20	20	200	45				●	326224	220
EPX3000RC25-25-120-3T	25	25	120	35				●	326226	185
EPX3000RC25-25-120-4T	25	25	120	35				●	326228	200
EPX3000RC25-25-160-3T	25	25	160	35				●	326230	190
EPX3000RC25-25-160-4T	25	25	160	35				●	326232	220
EPX3000RC25-26-120-3T	26	25	120	35				●	326234	185
EPX3000RC25-26-120-4T	26	25	120	35				●	326236	200
EPX3000RC25-26-160-3T	26	25	160	35				●	326238	190
EPX3000RC25-26-160-4T	26	25	160	35				●	326240	220
EPX3000RC25-26-200-3T	26	25	200	45				●	326242	210
EPX3000RC25-26-200-4T	26	25	200	45				●	326244	240
EPX3000RC25-28-170-3T	28	25	170	45				●	326246	200
EPX3000RC25-30-120-4T	30	25	120	45				●	326248	200
EPX3000RC32-30-125-4T	30	32	125	45				●	326250	200
EPX3000RC32-32-125-3T	32	32	125	45				●	326252	210
EPX3000RC32-32-125-4T	32	32	125	45				●	326254	235
EPX3000RC32-32-125-5T	32	32	125	45				●	326256	250
EPX3000RC32-40-125-3T	40	32	125	45				●	326258	230
EPX3000RC32-40-125-4T	40	32	125	45				●	326260	250
EPX3000RC32-40-125-5T	40	32	125	45				●	326262	280

SE.. 直角台肩
有孔
铣削刀片

用途 Application	产品图片 Product Image	几何尺寸 Dimensioning	规格型号 Specification	尺寸 Dimension (mm)				配套刀柄 Matching Toolholder	PCDD CBN-T CBN-S ZrN60 ZrN61 ZrN62 ZrN63 ZrN64 ZrN65 ZrN66 ZrN67 ZrN68 ZrN69 ZrN70 ZrN71 ZrN72 ZrN73 ZrN74 ZrN75 ZrN76 ZrN77 ZrN78 ZrN79 ZrN80																		
				r _ε	A	B	T		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
直角台肩铣削 Right Angle Milling			SEET 09T308PER-PF	0.8	9.525	9.525	4.01	 刀柄: (Toolholder) D28	•	•	•	•	•	•	•	•	•	•	•	•	•	•					
			SEET 09T308PER-PM	0.8	9.525	9.525	4.01		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
			SEET 09T308PER-PR	0.8	9.525	9.525	4.01		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
			SEET 120308PER-PF	0.8	13.308	13.308	4.04		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
			SEET 120308PER-PM	0.8	13.308	13.308	4.04		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
			SEET 120308PER-PR	0.8	13.308	13.308	4.04		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

■ **FMP02R-90°** 面铣刀盘




Face Milling Cutter



- 可用于插铣、平面、台阶面、槽加工
- 低切削力，大前角，切削轻快
- 产生率，高精度

- ★ Can be used to insert milling, flat, level surface, groove
- ★ Low cutting force, large rake angle, cutting light
- ★ High productivity, high-precision

切削参数 (Cutting Parameters): R17-R20
零配件 (Spare Parts): P01-P04

型号 Cat. No	尺寸 Size					刀片 Insert 	螺钉 Screw 	扳手 Wrench 	Stock	Order Number	Price (RMB)	
	D	d	H	W	T							
FMP02R	50-22-4T	50	22	40	10.4	6.3	SEET120308	M3.5×10	T15	•	326400	300
	63-22-5T	63	22	40	10.4	6.3				•	326402	350
	80-27-6T	80	27	50	12.4	7				•	326404	450
	100-32-8T	100	32	50	14.4	8				•	326406	750
FMP02R	50-22-3T	50	22	40	10.4	6.3				•	326408	500
	50-22-4T	50	22	40	10.4	6.3				•	326410	550
	50-22-5T	50	22	40	10.4	6.3				•	326412	600
	63-22-4T	63	22	40	10.4	6.3				•	326414	600
	63-22-5T	63	22	40	10.4	6.3				•	326416	650
	63-22-6T	63	22	40	10.4	6.3				•	326418	700
	80-27-4T	80	27	50	12.4	7				•	326420	700
	80-27-6T	80	27	50	12.4	7				•	326422	750
	80-27-8T	80	27	50	12.4	7				•	326424	800
	100-32-5T	100	32	50	14.4	8				•	326426	800
	100-32-7T	100	32	50	14.4	8				•	326428	850
	100-32-10T	100	32	50	14.4	8				•	326430	900
	125-40-6T	125	40	63	16.4	9				•	326432	1000
	125-40-8T	125	40	63	16.4	9				•	326434	1100
	125-40-12T	125	40	63	16.4	9				•	326436	1200
	160-40-8T	160	40	63	16.4	9				•	326438	1300
	160-40-12T	160	40	63	16.4	9	•	326440	1400			
	200-60-16T	200	60	63	25.7	14	•	326442	1600			
	250-60-12T	250	60	63	25.7	14	•	326444	2000			
	250-60-18T	250	60	63	25.7	14	•	326446	2500			
	315-60-24T	315	60	63	25.7	14	•	326448	3000			

刀杆
刀盘

直角台肩
立铣刀

圆角
铣刀

球头
铣刀

钻铣
刀杆

倒角
刀杆

玉米
铣刀

三
面刃
槽刀

快
进给
系列

龙门
平面
铣刀

锁
牙式
刀柄

APNT
ADNT

直角台肩
有孔
铣削刀片

用途 Application	产品图片 Product Image	几何尺寸 Dimensioning	规格型号 Specification	尺寸 Dimension (mm)					配套刀柄 Matching Toolholder	PCD CBN-K CBN-S Zr160 Zr160 Zr160 Zr160 Zr160 Zr160 Zr160 Zr160
				r _c	A	B	T	a		
直角台肩铣削 Right Angle Milling			APET 120202SR	0.2	12.7	7.938	2.5	11°	刀柄: (Toolholder) D29	● ● ●
			120204SR	0.4	12.7	7.938	2.5	11°		
			120208SR	0.8	12.7	7.938	2.5	11°		
			APNT 120208SR	0.8	12.7	7.938	2.5	11°		
			ADET 160302SR	0.2	15.875	9.525	3.18	15°		
			160304SR	0.4	15.875	9.525	3.18	15°		
			160308SR	0.8	15.875	9.525	3.18	15°		
			ADNT 160308SR	0.8	15.875	9.525	3.18	15°		

刀杆
刀盘

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻铣
杆

倒角
刀杆

玉米
铣刀

三面
刃槽刀

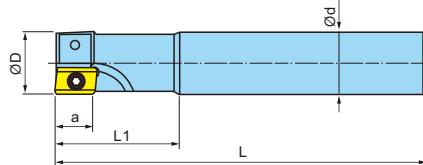
快
进给
系列

龙门
平面
铣刀

锁
牙式
刀柄

UEx 直角台肩精铣刀

Right Angle Shoulder Fine Milling Cutter



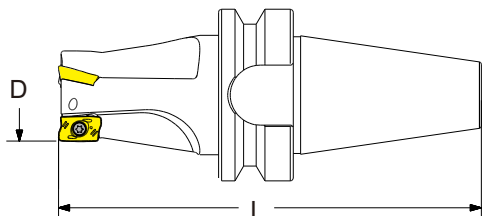
切削参数 (Cutting Parameters): R17-R20
零配件 (Spare Parts): P01-P04

型号 Cat. No	尺寸 Size						刀片 Insert	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)			
	D	d	L	L1	L2	a									
UEx12RC12-12-150-1T	12	12	150	40	-	12	AP=T1202	M3.5×8	T15	●	326700	100			
UEx12RC16-16-160-1T	16	16	160	50	-	12				●	326702	100			
UEx12RC16-17-160-1T	17	16	160	40	-	12				●	326704	100			
UEx12RC16-20-120-2T	20	16	160	50	-	12				●	326706	120			
UEx12RC20-20-160-2T	20	20	120	40	-	12				●	326708	135			
UEx12RC20-20-200-2T	20	20	200	50	100	12				●	326710	135			
UEx12RC20-21-160-2T	21	20	160	40	-	12				●	326712	120			
UEx16RC20-25-130-2T	25	20	130	40	-	15				AD=T1603	M4×7.5	T15	●	326714	150
UEx16RC25-25-160-2T	25	25	160	50	-	15							●	326716	140
UEx16RC25-25-200-2T	25	25	200	50	-	15							●	326718	150
UEx16RC25-25-250-2T	25	25	250	75	-	15	●	326720	165						
UEx16RC25-26-200-2T	26	25	200	50	-	15	●	326722	150						
UEx16RC25-30-160-3T	30	25	160	50	-	15	●	326724	180						
UEx16RC25-30-200-3T	30	25	200	50	-	15	●	326726	190						
UEx16RC25-30-250-3T	30	25	250	75	-	15	●	326728	210						

EDC10 一体式高速强力方肩铣刀

EDC10 Integrated High Strength Square Shoulder Milling Cutter

切削参数 (Cutting Parameters): R17-R20
零配件 (Spare Parts): P01-P04



- 一体式刚性结构，轻量化，更具高速性能。
- 通过选用不同材质刀粒，可通用于钢及铜铝合金的粗精加工，适用范围广，高效率，高刚性！
- ★ Lightweight one-piece rigid structure, high performance, more.
- ★ Through the selection of different material grain, can be used in the steel and copper aluminum alloy. The coarse and fine processing, wide application range, high efficiency, high rigidity!

型号 Cat. No	刃数 Blade number	总长 Long	直径 D Diameter	刀片 Insert	Stock	Order Number	Price (RMB)
BT30-EDC10-16-2T	2	60	16	EDCT10T308	●	326900	950
BT30-EDC10-20-2T	2	65	20		●	326902	950
BT30-EDC10-25-3T	3	75	25		●	326904	1000
BT30-EDC10-32-4T	4	90	32		●	326906	1150
BT40-EDC10-16-2T	2	60	16		●	326908	1000
BT40-EDC10-20-2T	2	65	20		●	326910	1000
BT40-EDC10-25-3T	3	75	25		●	326912	1150
BT40-EDC10-32-4T	4	90	32		●	326914	1250

AXMT 直角台肩 有孔 铣削刀片

用途 Application	产品图片 Product Image	几何尺寸 Dimensioning	规格型号 Specification	尺寸 Dimension (mm)						配套刀柄 Matching Toolholder	R0.2 R0.4 R0.8 R1.6 R3.2 R6.3 R12.5 R25 R50 R100 R200 R400 R800 R1600
				rC	A	B	T	L	ap		
直角台肩铣削 Right Angle Milling			AXMT 0602PER-EM 060204R-EM 060208R-EM 060216R-EM	0.2 0.4 0.8 1.6	6 6 6 6	4.15 4.15 4.15 4.15	2.6 2.6 2.6 2.6	1.0 1.0 1.0 1.0	5.75 5.75 5.75 5.75	刀柄: (Toolholder) D30	•• •• •• ••
直角台肩铣削 Right Angle Milling			AXMT 0903PER-ML 0903PER-EML 090308R-EML 090316R-ML 090320R-EML 090332R-EML	0.4 0.4 0.8 1.6 2.0 3.2	9.5 9.5 9.5 9.5 9.5 9.5	6.21 6.21 6.21 6.21 6.21 6.21	3.6 3.6 3.6 3.6 3.6 3.6	1.4 0.84 - - - -	8.8 8.8 8.8 8.8 8.8 8.8	刀柄: (Toolholder) D30	•• •• •• •• •• ••
直角台肩铣削 Right Angle Milling	 铝专用 Special for Aluminum		AXCT 060202R-AL 060204R-AL 0903PER-AL	0.2 0.4 0.4	6 6 9.5	4.15 4.15 6.21	2.6 2.6 3.6	0.83 0.83 0.83	5.75 5.75 8.8	刀柄: (Toolholder) D30	•• ••

刀杆
刀盘

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻铣
刀杆

倒角
刀杆

玉米
铣刀

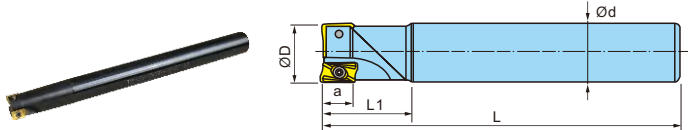
三
面刃
槽刀

快
进给
系列

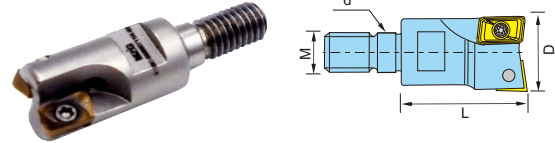
龙门
平面
铣刀

锁
牙式
刀柄

TE90 直角台肩精铣刀 Right Angle Shoulder Fine Milling Cutter



TE90 锁牙式铣刀头 Lock type milling head



切削参数 (Cutting Parameters): R17-R20
零配件 (Spare Parts): P01-P04

型号 Cat. No	尺寸 Size				刀片 Insert	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)
	D	d	L	L1						
TE90AX06RC08-08-120-1T	8	8	120	20	AXMT0602..	M1.8×4	T6	•	325800	160
TE90AX06RC10-10-75-2T	10	10	75	20				•	325802	180
TE90AX06RC10-10-120-2T	10	10	120	20				•	325804	180
TE90AX06RC10-11-120-2T	11	10	120	20				•	325806	180
TE90AX06RC12-12-150-2T	12	12	150	20				•	325808	180
TE90AX06RC12-13-150-3T	13	12	150	20				•	325810	180
TE90AX06RC16-16-150-3T	16	16	150	20				•	325812	200
TE90AX06RC16-16-150-4T	16	16	150	20				•	325814	220
TE90AX06RC16-17-150-3T	17	16	150	20				•	325816	200
TE90AX06RC16-17-150-4T	17	16	150	20				•	325818	220
TE90AX09RC12-12-150-1T	12	12	150	20	AXMT0903..	M2.5×6	T8	•	325820	180
TE90AX09RC12-14-150-1T	14	12	150	20				•	325822	190
TE90AX09RC16-16-150-2T	16	16	150	25				•	325824	180
TE90AX09RC16-17-150-2T	17	16	150	25				•	325826	180
TE90AX09RC20-18-150-2T	18	20	150	30				•	325828	220
TE90AX09RC20-20-150-3T	20	20	150	30				•	325830	200
TE90AX09RC20-21-150-3T	21	20	150	30				•	325832	200
TE90AX09RC25-25-150-3T	25	25	150	30				•	325834	230
TE90AX09RC25-25-150-4T	25	25	150	30				•	325836	260
TE90AX09RC25-26-150-3T	26	25	150	30				•	325838	230
TE90AX09RC32-32-150-4T	32	32	150	35				•	325840	280
TE90AX09RC32-35-150-4T	35	32	150	35				•	325842	320

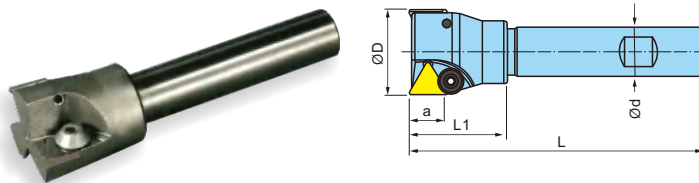
型号 Cat. No	尺寸 Size				Teeth	刀片 Insert	压板 Clamp	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)
	D	L	d	M								
TE90AX06R091M04	9	14	4.5	M4	1	AXMT0602..	-	M1.8×4	T6	•	325900	300
TE90AX06R112M05	11	16	5.5	M5	2					•	325902	300
TE90AX06R133M06	13	18	6.5	M6	3					•	325904	320
TE90AX06R174M08	17	23	8.5	M8	4					•	325906	350
TE90AX09R172M08	17	23	8.5	M8	2	AXMT0903..	-	M2.5×6	T8	•	325908	320
TE90AX09R213M10	21	30	10.5	M10	3					•	325910	320
TE90AX09R263M12	26	35	12.5	M12	3					•	325912	350
TE90AX09R353M16	35	43	17	M16	3					•	325914	380

TPKN
TPKR

直角/倒角
无孔
铣削刀片

用途 Application	产品图片 Product Image	几何尺寸 Dimensioning	规格型号 Specification	尺寸 Dimension (mm)				配套刀柄 Matching Toolholder	PCD CBN-K CBN-S ZK160 ZK01 ZK02 ZK03 ZK150 ZK152 ZK153 ZK163
				rE	A	B	T		
平面铣削 / 倒角加工 Plane milling / chamfering			TPKN 110304	0.4	11	6.35	3.18	刀柄: (Toolholder) D31	●
			110308	0.8	11	6.35	3.18		●
			160304	0.4	16.5	9.525	3.18		●
			160308	0.8	16.5	9.525	3.18		●
			220404	0.4	22	12.7	4.76		●
			220408	0.8	22	12.7	4.76		●
			220412	1.2	22	12.7	4.76		●
2204PDR	-	22	12.7	4.76	●				
平面铣削 / 倒角加工 Plane milling / chamfering			TPMR 090204	0.4	9.6	5.56	2.38	刀柄: (Toolholder) D31	●
			110304	0.4	11	6.35	3.18		●
			110308	0.8	11	6.35	3.18		●
			160304	0.4	16.5	9.525	3.18		●
			160308	0.8	16.5	9.525	3.18		●
			160312	1.2	16.5	9.525	3.18		●
			220412	1.2	22	12.7	4.76		●
			220416	1.2	22	12.7	4.76		●
			330916	1.6	33	19.05	9.52		●

TP 台肩立铣刀 Shoulder End Mill



● 配备传统刀片, 切削成本低

切割参数 (Cutting Parameters): R17-R20
零配件 (Spare Parts): P01-P04

★ Equipped with a traditional blade, cutting low-cost

型号 Cat. No	尺寸 Size					刀片 Insert	压板 Clamp	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)
	D	d	L	L1	a							
TP11RC16-16-100	16	16	100	45	10	TP□N1103	TP-11	3/16伞形	L3	●	325500	150
TP11RC20-20-100	20	20	100	45	10					●	325502	150
TP11RC20-25-130	25	20	130	45	10					●	325504	150
TP16RC20-30-100	30	20	100	45	14	TP□N1603	TP-16	1/4伞形	L4	●	325506	150
TP16RC20-35-100	35	20	100	45	14					●	325508	150
TP16RC32-35-110	35	32	110	45	14					●	325510	150
TP16RC20-40-110	40	20	110	45	14					●	325512	150
TP16RC25-40-110	40	25	110	45	14					●	325514	150
TP16RC32-40-115	40	32	115	45	14					●	325516	150
TP16RC20-50-110	50	20	110	45	14	TP□N2204	TP-22	5-16伞形	L5	●	325518	200
TP22RC20-50-110	50	20	110	42	20					●	325520	200
TP22RC32-50-115	50	32	115	42	20					●	325522	200
TP22RC25-63-110	63	25	110	42	20					●	325524	250
TP22RC32-80-130	80	32	130	42	20					●	325526	335

TP 直角台肩面铣刀盘 Right Angle Shoulder Milling Cutter



● 配备传统刀片, 切削成本低

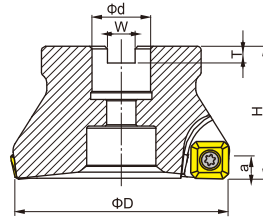
切割参数 (Cutting Parameters): R17-R20
零配件 (Spare Parts): P01-P04

★ Equipped with a traditional blade, cutting low-cost

型号 Cat. No	尺寸 Size						刀片 Insert	压板 Clamp	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)	Price (RMB)				
	D	d	H	W	T	a												
TP11R40-16-4T	40	16	45	8.4	5.6	9	TP□N1103	TP-11	3/16伞形	L3	●	325600	-	160				
TP11R50-22-4T	50	22	50	10.4	6.3	9					●	325602	-	160				
TP16R50-22-4T	50	22	50	10.4	6.3	14	TP□N1603	TP-16	1/4伞形	L4	●	325604	-	160				
TP22R50-22-3T	50	22	50	10.4	6.3	18					●	325606	250	-				
TP22R63-22-3T	63	22	50	10.4	6.3	18					●	325608	283	160				
TP22R80-27-4T	80	27	50	12.4	7	18					●	325610	417	270				
TP22R100-32-5T	100	32	50	14.4	8	18					●	325612	600	425				
TP22R125-40-6T	125	40	60	16.4	9	18					●	325614	1000	540				
TP22R160-40-7T	160	40	63	16.4	9	18					●	325616	-	850				
TP22R200-60-8T	200	60	63	25.7	14	18					●	325618	-	1350				
TP22R63-25.4-3T	63	25.4	50	10	6	18					TP□N2204	TP-22	5/16伞形	L5	●	325620	-	160
TP22R80-25.4-4T	80	25.4	50	10	6	18									●	325622	-	270
TP22R100-31.75-6T	100	31.75	50	13	8	18									●	325624	-	425
TP22R125-38.1-6T	125	38.1	60	16.2	10	18									●	325626	-	540
TP22R160-38.1-7T	160	38.1	63	16.2	10	18									●	325628	-	850
TP22R200-47.625-8T	200	47.625	63	25.4	14.3	18									●	325630	-	1350

SSD90 直角台肩面铣刀盘

SSD90 Right Angle Step Face Milling Cutter

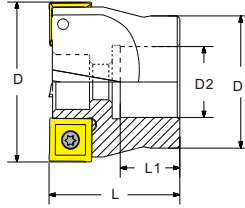


切削参数 (Cutting Parameters): R17-R20
零配件 (Spare Parts): P01-P04

型号 Cat. No	刃数 Blade number	直径 D Diameter	内径 d Inside diameter	端面直径 End face diameter	总长 H Long	沉头位直径 Countersunk head diameter	刀片 Insert	Stock	Order Number	Price (RMB)
SSD90R50-22-4T	4	50	22	41	40	17	SDMT1204PDER SDHW1204PDTR	●	327100	280
SSD90R63-22-5T	5	63	22	50	40	17		●	327102	300
SSD90R80-27-6T	6	80	27	60	50	37		●	327104	450
SSD90R100-32-8T	8	100	32	70	50	43		●	327106	680
SSD90R125-40-10T	10	125	40	80	63	57		●	327108	850

ASX400 直角台肩面铣刀盘

ASX400 Right Angle Step Face Milling Cutter

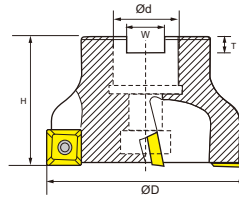


切削参数 (Cutting Parameters): R17-R20
零配件 (Spare Parts): P01-P04

型号 Cat. No	刃数 Blade number	直径 D Diameter	总长 L Long	内径 D2 Inside diameter	端面直径 End face diameter	刀片 Insert	Stock	Order Number	Price (RMB)
ASX400R50-22-4T	4	50	40	22	41	SPMT12T308	●	327200	300
ASX400R63-22-5T	5	63	40	22	50		●	327202	350
ASX400R80-27-6T	6	80	50	27	60		●	327204	450
ASX400R100-32-7T	7	100	50	32	70		●	327206	700
ASX400R125-40-8T	8	125	63	40	80		●	327208	850
ASX400R160-40-10T	10	160	63	40	100		●	327210	1300

WFX12 直角台肩面铣刀盘

WFX12 Right Angle Shoulder Face Mill



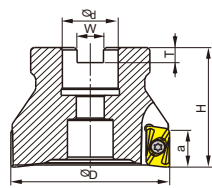
切削参数 (Cutting Parameters): R17-R20
零配件 (Spare Parts): P01-P04

- 可用于插铣，平面、台阶面、槽加工
- 低切削力，大前角，切削轻快
- 高生产率，高精度
- ★ Can be used to insert milling, flat, level surface, groove
- ★ Low cutting force, large rake angle, cutting light
- ★ High productivity, high-precision

型号 Cat. No	刃数 No. of flutes	尺寸 Size					刀片 Insert	Stock	Order Number	Price (RMB)
		D	d	H	W	T				
WFX12R50-22-4T	4	50	22	40	10.4	6.3	SOMT120408PDER	●	327300	300
WFX12R63-22-5T	5	63	22	40	10.4	6.3		●	327302	350
WFX12R80-27-6T	6	80	27	50	12.4	7		●	327304	580
WFX12R100-32-6T	6	100	32	50	14.4	8		●	327306	900
WFX12R125-40-7T	7	125	40	63	16.4	9		●	327308	1000

WFX17 直角台肩面铣刀盘

WFX17 Right Angle Shoulder Face Mill



切削参数 (Cutting Parameters): R17-R20
零配件 (Spare Parts): P01-P04

- 可用于插铣，平面、台阶面、槽加工
- 低切削力，大前角，切削轻快
- 高生产率，高精度
- ★ Can be used to insert milling, flat, level surface, groove
- ★ Low cutting force, large rake angle, cutting light
- ★ High productivity, high-precision

型号 Cat. No	刃数 No. of flutes	尺寸 Size					刀片 Insert	螺钉 Clamp screw	扳手 wrench	Stock	Order Number	Price (RMB)
		D	d	H	W	T						
WEX17R50-22-4T	4	50	22	40	10.4	6.3	AXMT170508PEER-G	M3×7	T8	●	327400	280
WEX17R63-22-4T	4	63	22	40	10.4	6.3				●	327402	315
WEX17R80-27-6T	6	80	27	50	12.4	7				●	327404	550
WEX17R100-32-8T	8	100	32	50	14.4	8				●	327406	800
WEX17R125-40-10T	10	125	40	63	16.4	9				●	327408	1050
WEX17R160-40-12T	12	160	40	63	16.4	9				●	327410	1450

刀杆
刀盘

直角
台肩
立铣刀

圆角
铣刀

球头
铣刀

钻头
刀杆

倒角
刀杆

玉米
铣刀

三
面刃
槽刀

快
进给
系列

龙门
平面
铣刀

锁
牙式
刀柄

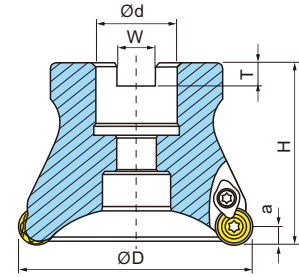
EMRW 圆鼻面铣刀盘

Round Nose Milling Cutter



- 使用15° 正角刀片
- 刀片经济，适用性强
- 容屑空间大，排屑好
- 锥形设计，钢性高

- ★ Using the 15° positive angle blade
- ★ Blade economy, the applicability of high
- ★ Capacity chip a large space, good chip disposal
- ★ Cone design, steel high



切割参数 (Cutting Parameters): R25-R26
零配件 (Spare Parts): P01-P04

型号 Cat. No	尺寸 Size						刀片 Insert	压板 Clamp	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)	Price (RMB)
	D	d	H	W	T	a								
EMR5R50-22-4T	50	22	50	10.4	6.3	5	RPMW 1003 MO RPMT 10T3 MOE	Y-5R	M4×10 M3.5×10	T15	●	327600	167	200
EMR5R63-22-4T	63	22	50	10.4	6.3	5					●	327602	200	225
EMR5R80-27-6T	80	27	50	12.4	7	5					●	327604	307	350
EMR5R100-32-6T	100	32	50	14.4	7	5					●	327606	483	540
EMR5R125-40-7T	125	40	63	16.4	9	5					●	327608	767	750
EMR5R160-40-8T	160	40	63	16.4	9	5					●	327610	867	1150
EMR5R50-25.4-4T	50	25.4	50	10	6	5					●	327612	167	-
EMR5R63-25.4-4T	63	25.4	50	10	6	5					●	327614	200	225
EMR5R80-25.4-6T	80	25.4	50	10	6	5					●	327616	333	350
EMR5R100-31.75-6T	100	31.75	50	13	8	5					●	327618	500	540

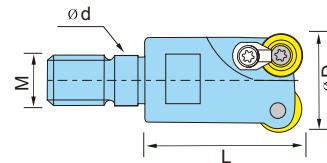
型号 Cat. No	尺寸 Size						刀片 Insert	压板 Clamp	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)	Price (RMB)
	D	d	H	W	T	a								
EMRW6R50-22-4T	50	22	50	10.4	6.3	6	RPMT1204 MO	Y-6R	M4×10	T15	●	328100	167	200
EMRW6R63-22-4T	63	22	50	10.4	6.3	6					●	328102	200	225
EMRW6R80-27-6T	80	27	50	12.4	7	6					●	328104	307	350
EMRW6R100-32-6T	100	32	50	14.4	7	6					●	328106	483	540
EMRW6R125-40-7T	125	40	63	16.4	9	6					●	328108	767	750
EMRW6R160-40-8T	160	40	63	16.4	9	6					●	328110	867	1150
EMRW6R200-60-9T	200	60	63	25.7	14	6					●	328112	1833	1600
EMRW6R250-40-12T	250	40	63	25.7	14	6					●	328114	2500	-
EMRW6R300-60-14T	300	60	63	25.7	14	6					●	328116	3000	-
EMRW6R50-25.4-4T	50	25.4	50	10	6	6					●	328118	167	-
EMRW6R63-25.4-4T	63	25.4	50	10	6	6					●	328120	200	225
EMRW6R80-25.4-6T	80	25.4	50	10	6	6					●	328122	333	350
EMRW6R100-31.75-6T	100	31.75	50	13	8	6					●	328124	500	540

EMRM 圆刃立铣刀

Corner Rounding End Mills(EMRM)



- 圆刀片切削刃强度高
系列产品品种丰富
最适合模具材料加工



- Circular blade cutting edge strength is high.
Series of products rich variety.
The most suitable mold materials processing.

切割参数 (Cutting Parameters): R25-R26
零配件 (Spare Parts): P01-P04

型号 Cat. No	尺寸 Size				Teeth	刀片 Insert	压板 Clamp	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)				
	D	L	d	M												
EMRM4R162M8	16	35	8.5	M8	2	RPMW0802MO	Y-4R	M3X7	T8	●	327700	150				
EMRM4R172M8	17	35	8.5	M8	2					●	327702	150				
EMRM4R202M10	20	35	10.5	M10	2					●	327704	160				
EMRM4R212M10	21	35	10.5	M10	2					●	327706	160				
EMRM5R202M10	20	35	10.5	M10	2	RPMW1003MO	Y-5R	M4X10 M3.5X10	T15	●	327708	160				
EMRM5R212M10	21	35	10.5	M10	2					●	327710	160				
EMRM5R252M12	25	35	12.5	M12	2					●	327712	200				
EMRM5R262M12	26	40	12.5	M12	2					●	327714	200				
EMRM5R302M16	30	40	17	M16	2					●	327716	300				
EMRM5R353M16	35	40	17	M16	3					●	327717	300				
EMRM6R302M16	30	40	17	M16	2					RPMT1204MO	Y-6R	M4X10	T15	●	327718	300
EMRM6R353M16	35	40	17	M16	3									●	327719	300

刀杆
刀盘

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻铣
刀杆

倒角
刀杆

玉米
铣刀

三
面刃
槽刀

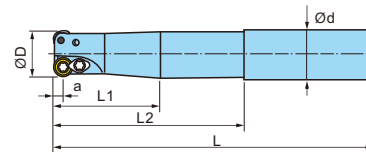
快
进给
系列

龙门
平面
铣刀

锁
牙式
刀柄

EMR 圆鼻立铣刀

Round Nose End Mill



切削参数 (Cutting Parameters): R25-R26
零配件 (Spare Parts): P01-P04

● 适配多种经济型刀片, 性价比高。

★ Fit a variety of economic-type blade, cost-effective

刀杆刀盘

直角台肩立铣刀

圆角铣刀

球头铣刀

钻铣刀杆

倒角刀杆

玉米铣刀

三面刃槽刀

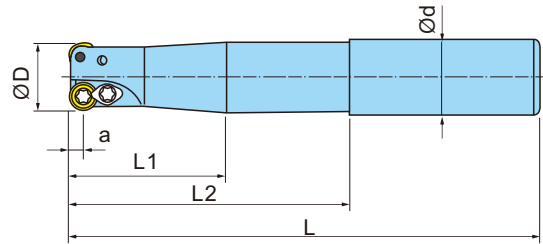
快进给系列

龙门平面铣刀

锁牙式刀柄

型号 Cat. No	尺寸 Size						刃数 No. of flutes	刀片 Insert	螺钉 Screw	压板 Clamp	扳手 Wrench	Stock	Order Number	Price (RMB)	Price (RMB)				
	D	d	L	L1	L2	a													
EMR4RC10-10-120-1T	10	10	120	30	-	4	1	RPMT0802..	M3×7	Y-4R	T10	●	327500	67	-				
EMR4RC12-12-130-1T	12	12	130	40	-	4	1					●	327502	67	100				
EMR4RC12-13-130-1T	13	12	130	40	-	4	1					●	327504	67	100				
EMR4RC15-16-150-2T	16	15	150	40	-	4	2					●	327506	-	110				
EMR4RC15-16-200-2T	16	15	200	50	-	4	2					●	327508	-	140				
EMR4RC16-16-130-2T	16	16	130	40	-	4	2					●	327510	-	110				
EMR4RC16-16-150-2T	16	16	150	50	-	4	2					●	327512	83	110				
EMR4RC16-16-200-2T	16	16	200	60	100	4	2					●	327514	100	140				
EMR4RC16-17-150-2T	17	16	150	50	-	4	2					●	327516	83	110				
EMR4RC16-17-200-2T	17	16	200	60	-	4	2					●	327518	100	140				
EMR4RC19-20-150-2T	20	19	150	40	-	4	2					●	327520	100	130				
EMR4RC19-20-200-2T	20	19	200	40	-	4	2					●	327522	117	145				
EMR4RC20-20-150-2T	20	20	150	50	-	4	2					●	327524	100	130				
EMR4RC20-20-200-2T	20	20	200	60	100	4	2					●	327526	117	145				
EMR4RC25-20-250-2T	20	25	250	60	-	4	2					●	327528	167	-				
EMR4RC20-21-150-2T	21	20	150	50	-	4	2					●	327530	100	-				
EMR4RC20-21-200-2T	21	20	200	60	-	4	2					●	327532	117	-				
EMR5RC19-20-150-2T	20	20	150	50	-	5	2					RPMW1003..	M3.5×10	Y-5R	T15	●	327534	100	-
EMR5RC19-20-200-2T	20	19	200	60	-	5	2									●	327536	117	-
EMR5RC20-20-150-2T	20	19	150	40	-	5	2									●	327538	100	130
EMR5RC20-20-200-2T	20	20	200	50	100	5	2	●	327540	117	145								
EMR5RC20-21-150-2T	21	20	150	50	-	5	2	●	327542	100	130								
EMR5RC20-21-200-2T	21	20	200	60	-	5	2	●	327544	117	145								
EMR5RC20-25-150-2T	25	20	150	50	-	5	2	●	327546	117	100								
EMR5RC20-25-200-2T	25	20	200	50	-	5	2	●	327548	127	135								
EMR5RC24-25-150-2T	25	24	150	40	-	5	2	●	327550	117	100								
EMR5RC24-25-200-2T	25	24	200	50	-	5	2	●	327552	127	135								
EMR5RC24-25-250-2T	25	24	250	50	-	5	2	●	327554	117	100								
EMR5RC25-25-150-2T	25	25	150	50	-	5	2	●	327556	-	160								
EMR5RC25-25-200-2T	25	25	200	60	-	5	2	●	327558	127	135								
EMR5RC25-25-250-2T	25	25	250	70	115	5	2	●	327560	167	160								
EMR5RC32-25-300-2T	25	32	300	70	-	5	2	●	327562	267	-								
EMR5RC25-26-150-2T	26	25	150	50	-	5	2	●	327564	117	100								
EMR5RC25-26-200-2T	26	25	200	60	-	5	2	●	327566	127	135								
EMR5RC25-26-250-2T	26	25	250	70	-	5	2	●	327568	167	160								
EMR5RC25-30-150-2T	30	25	150	48	-	5	2	●	327570	117	110								
EMR5RC25-30-200-2T	30	25	200	50	-	5	2	●	327572	133	145								
EMR5RC25-30-250-2T	30	25	250	60	-	5	2	●	327574	167	170								
EMR5RC25-30-300-2T	30	25	300	60	-	5	2	●	327576	-	200								
EMR5RC32-30-300-2T	30	32	300	60	-	5	2	●	327578	-	200								
EMR5RC32-35-160-2T	35	32	150	50	-	5	2	●	327580	-	170								
EMR5RC32-35-150-3T	35	32	150	50	-	5	3	●	327582	177	180								
EMR5RC32-35-200-2T	35	32	200	60	-	5	2	●	327584	-	180								
EMR5RC32-35-200-3T	35	32	200	60	-	5	3	●	327586	200	190								
EMR5RC32-35-250-2T	35	32	250	70	-	5	2	●	327588	-	190								
EMR5RC32-35-250-3T	35	32	250	70	-	5	3	●	327590	233	225								
EMR5RC32-35-300-3T	35	32	300	70	-	5	3	●	327592	300	245								
EMR5RC32-35-350-3T	35	32	350	70	-	5	3	●	327594	367	275								
EMR5RC32-35-400-3T	35	32	400	70	-	5	3	●	327596	500	320								
EMR5RC32-40-150-3T	40	32	150	70	-	5	3	●	327598	183	250								
EMR5RC32-40-200-3T	40	32	200	70	-	5	3	●	327600	217	260								
EMR5RC32-40-250-3T	40	32	250	70	-	5	3	●	327602	250	300								
EMR5RC32-40-300-3T	40	32	300	70	-	5	3	●	327604	300	340								
EMR5RC32-40-350-3T	40	32	350	70	-	5	3	●	327606	383	380								
EMR5RC32-40-400-3T	40	32	400	70	-	5	3	●	327608	500	-								
EMR5RC32-50-150-4T	50	32	150	50	-	5	4	●	327610	267	-								
EMR5RC32-50-200-4T	50	32	200	50	-	5	4	●	327612	333	-								
EMR5RC20-30-110A-2T	30	20	110	30	-	5	2	●	327614	60	-								
EMR5RC20-30-110B-2T	30	20	110	30	-	5	2	●	327616	93	70								
EMR5RC3/4-30-110-2T	30	3/4	110	30	-	5	2	●	327618	93	70								

EMRW 圆鼻立铣刀 Round Nose End Mill



- 刀片经济, 适用性高
- 容屑空间大, 排屑好

切削参数 (Cutting Parameters): R25-R26
零配件 (Spare Parts): P01-P04

- ★ Blade economy, the high applicability.
- ★ Capacity chip a large space, good chip removal.

型号 Cat. No	尺寸 Size						刃数 No. of flutes	刀片 Insert	压板 Clamp	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)	Price (RMB)
	D	d	L	L1	L2	a									
EMRW4RC12-12-130-1T	12	12	130	40	-	4	1	 RPMT 08T2MOE	无	M3×7	T10	●	327900	67	-
EMRW4RC12-13-130-1T	13	12	130	40	-	4	1					●	327902	67	-
EMRW4RC15-16-150-2T	16	15	150	40	-	4	2					●	327904	83	-
EMRW4RC15-16-200-2T	16	15	200	40	-	4	2					●	327906	100	-
EMRW4RC16-16-150-2T	16	16	150	50	-	4	2					●	327908	83	-
EMRW4RC16-16-200-2T	16	16	200	60	-	4	2					●	327910	100	-
EMRW4RC16-17-150-2T	17	16	150	50	-	4	2					●	327912	83	-
EMRW4RC16-17-200-2T	17	16	200	60	-	4	2					●	327914	100	-
EMRW4RC19-20-150-2T	20	19	150	40	-	4	2					●	327916	110	-
EMRW4RC19-20-200-2T	20	19	200	40	-	4	2					●	327918	133	-
EMRW4RC20-20-150-2T	20	20	150	50	-	4	2					●	327920	110	-
EMRW4RC20-20-200-2T	20	20	200	60	-	4	2					●	327922	133	-
EMRW4RC20-21-150-2T	21	20	150	50	-	4	2					●	327924	110	-
EMRW4RC20-21-200-2T	21	20	200	60	-	4	2	●	327926	133	-				
EMRW5RC25-25-150-2T	25	25	150	50	-	5	2	 RPMT 10T3MOE	Y-5R	M4×9	T15	●	327928	117	-
EMRW5RC25-25-200-2T	25	25	200	50	-	5	2					●	327930	127	-
EMRW5RC25-25-250-2T	25	25	250	50	-	5	2					●	327932	193	-
EMRW5RC25-30-150-2T	30	25	150	60	-	5	2					●	327934	133	-
EMRW5RC25-30-200-2T	30	25	200	60	-	5	2					●	327936	167	-
EMRW5RC25-30-250-2T	30	25	250	60	-	5	2					●	327938	227	-
EMRW5RC32-35-150-3T	35	32	150	60	-	5	3					●	327940	217	-
EMRW5RC32-35-200-3T	35	32	200	60	-	5	3					●	327942	250	-
EMRW5RC32-35-250-3T	35	32	250	60	-	5	3					●	327944	283	-
EMRW5RC32-35-300-3T	35	32	300	60	-	5	3					●	327946	333	-
EMRW6RC25-32-150-2T	32	25	150	50	-	6	2	 RPMW 1204 MO RPMT 1204 MO	Y-6R	M4×10	T15	●	327948	133	165
EMRW6RC25-32-200-2T	32	25	200	55	-	6	2					●	327950	167	175
EMRW6RC25-32-250-2T	32	25	250	60	-	6	2					●	327952	200	190
EMRW6RC32-32-150-2T	32	32	150	50	-	6	2					●	327954	167	165
EMRW6RC32-32-200-2T	32	32	200	50	-	6	2					●	327956	200	175
EMRW6RC32-32-250-2T	32	32	250	60	-	6	2					●	327958	233	190
EMRW6RC32-32-300-2T	32	32	300	60	-	6	2					●	327960	300	-
EMRW6RC32-35-150-2T	35	32	150	50	-	6	2					●	327962	183	-
EMRW6RC32-35-160-3T	35	32	160	50	-	6	3					●	327964	-	210
EMRW6RC32-35-200-2T	35	32	200	50	-	6	2					●	327966	217	-
EMRW6RC32-35-200-3T	35	32	200	50	-	6	3					●	327968	-	215
EMRW6RC32-35-250-2T	35	32	250	60	-	6	2					●	327970	267	-
EMRW6RC32-35-250-3T	35	32	250	60	-	6	3					●	327972	-	230
EMRW6RC32-35-300-2T	35	32	300	60	-	6	2					●	327974	333	-
EMRW6RC32-35-300-3T	35	32	300	60	-	6	3					●	327976	-	260
EMRW6RC32-35-350-3T	35	32	350	60	-	6	3					●	327978	-	300
EMRW6RC32-35-400-3T	35	32	400	60	-	6	3					●	327980	-	350
EMRW6RC32-40-150-3T	40	32	150	50	-	6	3					●	327982	200	250
EMRW6RC32-40-200-3T	40	32	200	50	-	6	3					●	327984	233	260
EMRW6RC32-40-250-3T	40	32	250	60	-	6	3					●	327986	283	300
EMRW6RC32-40-300-3T	40	32	300	60	-	6	3					●	327988	333	340
EMRW6RC32-40-350-3T	40	32	350	60	-	6	3					●	327990	400	380
EMRW6RC32-40-400-3T	40	32	400	60	-	6	3					●	327992	533	-
EMRW6RC32-50-150-4T	50	32	150	50	-	6	4					●	327994	267	340
EMRW6RC32-50-200-4T	50	32	200	50	-	6	4					●	327996	333	380

刀杆
刀盘

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻铣
刀杆

倒角
刀杆

玉米
铣刀

三
面刃
槽刀

快
进给
系列

龙门
平面
铣刀

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牙式
刀柄

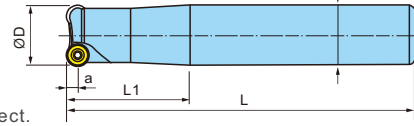
R200

机夹式圆角立铣刀 Machine clamped fillet end mill

■ R200 圆鼻立铣刀

Round Nose End Mill

🔧 切削参数 (Cutting Parameters): R25-R26
零配件 (Spare Parts): P01-P04



● 适配山特精磨刀片，精度更高，加工效果更佳。

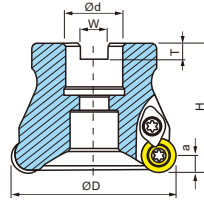
★ Adapter Grinding Blade Sandvik, Higher Accuracy, Processing A Better Effect.

型号 Cat. No	尺寸 Size					刃数 No. of flutes	刀片 Insert	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)	Price (RMB)			
	D	d	L	L1	a											
R200-5R20-25-160-2T	25	20	160	-	5	2	RC□T 10T3 MO	M3.5×8.5	T15	●	328800	-	110			
R200-5RC24-25-150-2T	25	24	150	40	5	2				●	328802	167	110			
R200-5RC24-25-200-2T	25	24	200	50	5	2				●	328804	183	145			
R200-5RC25-25-150-2T	25	25	150	50	5	2				●	328806	167	110			
R200-5RC25-25-200-2T	25	25	200	60	5	2				●	328808	183	145			
R200-5RC25-25-250-2T	25	25	250	70	5	2				●	328810	217	-			
R200-5RC25-26-150-2T	26	25	150	50	5	2				●	328812	167	-			
R200-5RC25-26-200-2T	26	25	200	60	5	2				●	328814	183	-			
R200-5RC25-26-250-2T	26	25	250	70	5	2				●	328816	217	-			
R200-5RC25-30-150-2T	30	25	150	48	5	2				●	328818	150	-			
R200-5RC25-30-200-2T	30	25	200	50	5	2				●	328820	183	-			
R200-5RC25-30-250-2T	30	25	250	60	5	2				●	328822	217	-			
R200-5RC32-35-150-3T	35	32	150	50	5	3				●	328824	200	-			
R200-5RC32-35-200-3T	35	32	200	60	5	3				●	328826	233	-			
R200-5RC32-35-250-3T	35	32	250	70	5	3				●	328828	283	-			
R200-5RC32-35-300-3T	35	32	300	70	5	3				●	328830	333	-			
R200-5RC32-35-350-3T	35	32	350	70	5	3				●	328832	383	-			
R200-6RC25-32-150-2T	32	25	150	50	6	2				RC□T 1204 MO	M3.5×10	T15	●	328834	183	165
R200-6RC25-32-200-2T	32	25	200	60	6	2							●	328836	200	175
R200-6RC25-32-250-2T	32	25	250	70	6	2							●	328838	250	190
R200-6RC32-32-150-2T	32	32	150	50	6	2	●	328840	200				-			
R200-6RC32-32-200-2T	32	32	200	60	6	2	●	328842	233				-			
R200-6RC32-32-250-2T	32	32	250	70	6	2	●	328844	267				-			
R200-6RC32-33-160-2T	33	32	160	-	6	2	●	328846	-				165			
R200-6RC32-33-200-2T	33	32	200	-	6	2	●	328848	-				175			
R200-6RC32-33-250-2T	33	32	250	-	6	2	●	328850	-				190			
R200-6RC32-35-150-3T	35	32	150	50	6	3	●	328852	200				-			
R200-6RC32-35-200-3T	35	32	200	60	6	3	●	328854	233				-			
R200-6RC32-35-250-3T	35	32	250	70	6	3	●	328856	283				-			
R200-6RC32-40-200-3T	40	32	200	60	6	3	●	328858	267				-			
R200-6RC32-40-250-3T	40	32	250	70	6	3	●	328860	307				-			
R200-6RC32-40-300-3T	40	32	300	70	6	3	●	328862	350				-			

■ R200 圆鼻面铣刀盘

Round Nose Milling Cutter

🔧 切削参数 (Cutting Parameters): R25-R26
零配件 (Spare Parts): P01-P04



- 适配山特精磨刀片
- 精度，适于精加工
- 锥形设计，刚性高

- ★ Adapter grinding blade Sandvik
- ★ High precision, suitable for finishing
- ★ Cone design, steel high

型号 Cat. No	尺寸 Size						刀片 Insert	压板 Clamp	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)	Price (RMB)
	D	d	H	W	T	a								
R200-5R50-22-4T	50	22	50	10.4	6.3	5	RC□T 10T3 MO	Y-5R	M3.5×8.5 M3.5×10	T15	●	328900	200	200
R200-5R63-22-4T	63	22	50	10.4	6.3	5					●	328902	240	225
R200-5R80-27-6T	80	27	50	12.4	7	5					●	328904	367	350
R200-5R100-32-6T	100	32	50	14.4	8	5					●	328906	567	540
R200-5R50-25.4-4T	50	25.4	50	10.4	6.3	5					●	328908	200	-
R200-5R63-25.4-4T	63	25.4	50	10.4	6.3	5					●	328910	240	-
R200-6R50-22-4T	50	22	50	10.4	6.3	6	RC□T 1204 MO	Y-6R	M4×10	T15	●	328912	200	200
R200-6R63-22-4T	63	22	50	10.4	6.3	6					●	328914	240	225
R200-6R80-27-6T	80	27	50	12.4	7	6					●	328916	367	350
R200-6R100-32-6T	100	32	50	14.4	8	6					●	328918	567	540
R200-6R50-25.4-4T	50	25.4	50	10.4	6.3	6					●	328920	200	-
R200-6R63-25.4-4T	63	25.4	50	10.4	6.3	6					●	328922	240	-
R200-8R63-22-4T	63	22	50	10.4	6.3	8	RC□T 1606 MO	Y-8R	M5×12	T20	●	328924	-	250
R200-8R80-27-6T	80	27	50	12.4	7	8					●	328926	-	400
R200-8R100-32-6T	100	32	50	14.4	8	8					●	328928	-	600
R200-8R125-40-6T	125	40	63	16.4	9	8					●	328930	-	750
R200-8R160-40-6T	160	40	63	16.4	9	8					●	328932	-	1150
R200-8R200-60-6T	200	60	63	25.7	14	8					●	328934	-	1600
R200-10R100-32-5T	100	32	63	14.4	8	10	RC□T 2006 MO	Y-10R	M5×12 M6×18	T20 T30	●	328936	-	600
R200-10R125-40-6T	125	40	63	16.4	9	10					●	328938	-	750

刀杆
刀盘

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻铣
刀杆

倒角
刀杆

玉米
铣刀

三
面刃
槽刀

快
进给
系列

龙门
平面
铣刀

锁
牙式
刀柄

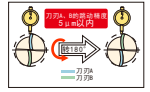
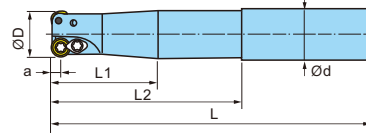
TR5 圆鼻立铣刀 Round Nose End Mill



- 刀片经济，适用性高
- 容屑空间大，排屑好

切削参数 (Cutting Parameters): R25-R26
零配件 (Spare Parts): P01-P04

- ★ Blade economy, the high applicability.
- ★ Capacity chip a large space, good chip removal.



型号 Cat. No	尺寸 Size						刃数 No. of flutes	刀片 Insert	螺钉 Screw	压板 Clamp	扳手 Wrench	Stock	Order Number	Price (RMB)	Price (RMB)
	D	d	L	L1	L2	a									
TRS2.5RC08-08-80-1T	8	8	80	30	-	2.5	1	RDMW 0501 MO	M1.8×4	—	T6	●	328300	-	150
TRS2.5RC08-09-100-2T	9	8	100	30	-	2.5	2					●	328302	-	150
TRS2.5RC10-10-120-2T	10	10	120	40	-	2.5	2					●	328304	-	150
TRS2.5RC10-11-120-2T	11	10	120	40	-	2.5	2					●	328306	-	150
TRS2.5RC12-12-120-2T	12	12	120	40	-	2.5	2					●	328308	-	150
TRS2.5RC12-12-120-3T	12	12	120	40	-	2.5	3					●	328310	-	150
TRS2.5RC12-13-120-2T	13	12	120	40	-	2.5	2					●	328312	-	150
TRS2.5RC12-13-120-3T	13	12	120	40	-	2.5	3					●	328314	-	150
TRS2.5RC16-16-150-4T	16	16	150	40	-	2.5	4					●	328316	-	160
TRS2.5RC16-16-200-4T	16	16	200	40	-	2.5	4					●	328318	-	200
TRS2.5RC16-17-150-4T	17	16	150	40	-	2.5	4					●	328320	-	160
TRS2.5RC16-17-200-4T	17	16	200	40	-	2.5	4					●	328322	-	200
TRS2.5RC20-20-150-4T	20	20	150	40	-	2.5	4	●	328324	-	170				
TRS2.5RC20-20-200-4T	20	20	200	40	-	2.5	4	●	328326	-	220				
TRS2.5RC20-21-150-4T	21	20	150	40	-	2.5	4	●	328328	-	170				
TRS2.5RC20-21-200-4T	21	20	200	40	-	2.5	4	●	328330	-	220				
TRS3.5RC10-10-120-1T	10	10	120	40	-	3.5	1	RDMW 0702 MO	M2.5×6	—	T8	●	328332	-	150
TRS3.5RC12-12-120-1T	12	12	120	40	-	3.5	1					●	328334	-	150
TRS3.5RC16-16-120-2T	16	16	120	40	-	3.5	2					●	328336	-	120
TRS3.5RC16-16-160-2T	16	16	160	40	-	3.5	2					●	328338	-	120
TRS4RC12-12-130-1T	12	12	130	40	-	4	1	RDMT 0802 MO	M3×7	Y-4R	T8	●	328340	67	100
TRS4RC12-13-130-1T	13	12	130	40	-	4	1					●	328342	67	100
TRS4RC15-16-150-2T	16	15	150	40	-	4	2					●	328344	83	110
TRS4RC15-16-200-2T	16	15	200	40	-	4	2					●	328346	110	140
TRS4RC16-16-150-2T	16	16	150	50	-	4	2					●	328348	83	110
TRS4RC16-16-200-2T	16	16	200	60	100	4	2					●	328350	110	140
TRS4RC16-17-150-2T	17	16	150	50	-	4	2					●	328352	83	110
TRS4RC16-17-200-2T	17	16	200	60	-	4	2					●	328354	110	140
TRS4RC19-20-150-2T	20	19	150	40	-	4	2					●	328356	100	130
TRS4RC19-20-200-2T	20	19	200	40	-	4	2					●	328358	117	145
TRS4RC20-20-150-2T	20	20	150	50	-	4	2					●	328360	100	130
TRS4RC20-20-200-2T	20	20	200	60	100	4	2					●	328362	117	145
TRS4RC25-20-250-2T	20	25	250	60	-	4	2	●	328364	167	-				
TRS4RC20-21-150-2T	21	20	150	50	-	4	2	●	328366	100	130				
TRS4RC20-21-200-2T	21	20	200	60	-	4	2	●	328368	117	145				
TR55RC19-20-150-2T	20	19	150	40	-	5	2	RDMT 10T3 MO	M3.5×10	Y-5R	T15	●	328370	100	-
TR55RC19-20-200-2T	20	19	200	40	-	5	2					●	328372	117	-
TR55RC20-20-150-2T	20	20	150	50	-	5	2					●	328374	100	130
TR55RC20-20-200-2T	20	20	200	60	100	5	2					●	328376	117	145
TR55RC20-21-150-2T	21	20	150	50	-	5	2					●	328378	100	-
TR55RC20-21-200-2T	21	20	200	60	-	5	2					●	328380	117	-
TR55RC20-25-150-2T	25	20	150	50	-	5	2					●	328382	117	100
TR55RC20-25-200-2T	25	20	200	50	-	5	2					●	328384	127	-
TR55RC24-25-150-2T	25	24	150	40	-	5	2					●	328386	117	100
TR55RC24-25-200-2T	25	24	200	40	-	5	2					●	328388	127	-
TR55RC25-25-150-2T	25	25	150	50	-	5	2					●	328390	117	100
TR55RC25-25-200-2T	25	25	200	60	115	5	2					●	328392	127	135
TR55RC25-25-250-2T	25	25	250	70	-	5	2					●	328394	167	160
TR55RC32-25-300-2T	25	32	300	70	-	5	2					●	328396	250	-
TR55RC25-26-150-2T	26	25	150	50	-	5	2					●	328398	117	100
TR55RC25-26-200-2T	26	25	200	60	-	5	2					●	328400	127	135
TR55RC25-26-250-2T	26	25	250	70	-	5	2					●	328402	167	-
TR55RC25-30-150-2T	30	25	150	48	-	5	2					●	328404	127	110
TR55RC25-30-200-2T	30	25	200	50	-	5	2					●	328406	150	145
TR55RC25-30-250-2T	30	25	250	60	-	5	2					●	328408	183	170
TR55RC32-35-150-3T	35	32	150	50	-	5	3	●	328410	183	180				
TR55RC32-35-200-3T	35	32	200	60	-	5	3	●	328412	217	190				
TR55RC32-35-250-3T	35	32	250	70	-	5	3	●	328414	283	225				
TR55RC32-35-300-3T	35	32	300	70	-	5	3	●	328416	333	-				
TR55RC32-35-350-3T	35	32	350	70	-	5	3	●	328418	400	-				
TR55RC32-35-400-3T	35	32	400	70	-	5	3	●	328420	500	-				
TR56RC25-32-150-2T	32	25	150	50	-	6	2	RDMT 1204 MO	M4×10	Y-6R	T15	●	328422	-	165
TR56RC25-32-200-2T	32	25	200	50	-	6	2					●	328424	-	175
TR56RC25-32-250-2T	32	25	250	60	-	6	2					●	328426	-	190
TR56RC32-32-150-2T	32	32	150	50	-	6	2					●	328428	167	-
TR56RC32-32-200-2T	32	32	200	50	-	6	2					●	328430	217	-
TR56RC32-32-250-2T	32	32	250	60	-	6	2					●	328432	267	-
TR56RC32-32-300-2T	32	32	300	60	-	6	2					●	328434	333	-
TR56RC32-40-150-3T	40	32	150	50	-	6	3					●	328436	233	250
TR56RC32-40-200-3T	40	32	200	50	-	6	3					●	328438	283	260
TR56RC32-40-250-3T	40	32	250	60	-	6	3					●	328440	317	300
TR56RC32-40-300-3T	40	32	300	60	-	6	3					●	328442	417	340

刀杆
刀盘

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻铣
刀杆

倒角
刀杆

玉米
铣刀

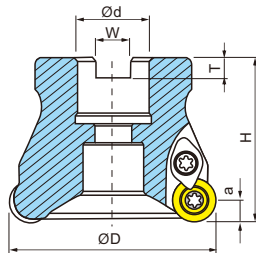
三
面刃
槽刀

快
进给
系列

龙门
平面
铣刀

锁
牙式
刀柄

TRS 圆鼻面铣刀盘 Round Nose Milling Cutter



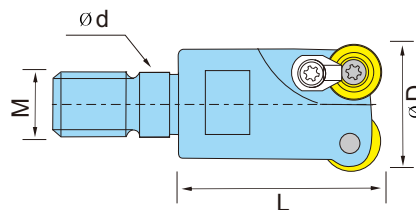
- 使用15° 正角刀片 ★ Using the 15° positive angle blade
- 刀片经济, 适用性强 ★ Blade economy, the applicability of high
- 容屑空间大, 排屑好 ★ Capacity chip a large space, good chip disposal
- 锥形设计, 钢性高 ★ Cone design, steel high

切削参数 (Cutting Parameters): R25-R26
零配件 (Spare Parts): P01-P04

型号 Cat. No	尺寸 Size							刀片 Insert	压板 Clamp	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)	Price (RMB)
	D	d	H	W	T	a									
TRS5R50-22-4T	50	22	50	10.4	6.3	5	RDMT 10T3 MO	Y-5R	M4×9 M3.5×10	T15	●	328500	167	200	
TRS5R63-22-4T	63	22	50	10.4	6.3	5					●	328502	200	225	
TRS5R80-27-6T	80	27	50	12.4	7	5					●	328504	307	350	
TRS5R100-32-6T	100	32	50	14.4	8	5					●	328506	483	540	
TRS5R50-25.4-4T	50	25.4	50	10.4	6.3	5					●	328508	167	-	
TRS5R63-25.4-4T	63	25.4	50	10.4	6.3	5					●	328510	200	-	
TRS6R50-22-4T	50	22	50	10.4	6.3	6	RDMT 1204 MO	Y-6R	M4×10	T15	●	328512	307	200	
TRS6R63-22-4T	63	22	50	10.4	6.3	6					●	328514	483	225	
TRS6R80-27-6T	80	27	50	12.4	7	6					●	328516	1067	350	
TRS6R100-32-6T	100	32	50	14.4	8	6					●	328518	1333	540	
TRS6R125-40-7T	125	40	50	14.4	14	6					●	328520	167	-	
TRS6R160-40-8T	160	40	50	14.4	14	6					●	328522	200	-	
TRS6R50-25.4-4T	50	25.4	50	10.4	6.3	6	RDMT 1606 MO	Y-8R	M5×11.5	T20	●	328524	167	-	
TRS6R63-25.4-4T	63	25.4	50	10.4	6.3	6					●	328526	200	-	
TRS8R63-22-4T	63	22	50	10.4	6.3	8					●	328528	233	250	
TRS8R80-27-5T	80	27	50	12.4	7	8					●	328530	333	400	
TRS8R100-32-6T	100	22	50	14.4	8	8					●	328532	500	600	

TRSM 圆刃锁牙式铣刀头 Corner Rounding End Mills (trsm)

Corner Rounding End Mills (trsm)



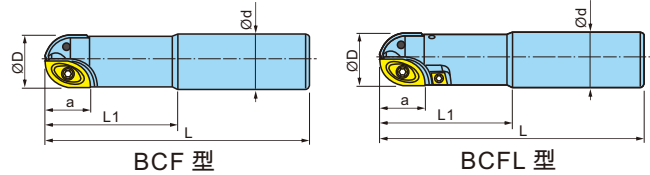
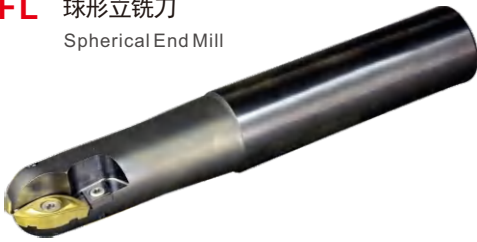
切削参数 (Cutting Parameters): R25-R26
零配件 (Spare Parts): P01-P04

型号 Cat. No	尺寸 Size				Teeth	刀片 Insert	压板 Clamp	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)				
	D	L	d	M												
RD0501R092M04	9	15	4.5	M4	2	RD..0501..	-	MS2004	T6	○	328600	320				
RD0501R102M05	10	16	5.5	M5	2					○	328602	300				
RD0501R112M05	11	18	5.5	M5	2					○	328604	300				
RD0501R122M06	12	18	6.5	M6	2					○	328606	300				
RD0501R123M06	12	18	6.5	M6	3					○	328608	300				
RD0501R132M06	13	18	6.5	M6	2					○	328610	300				
RD0501R133M06	13	18	6.5	M6	3	○	328612	300								
RD0501R164M08	16	23	8.5	M8	4	○	328614	350								
RD0501R174M08	17	23	8.5	M8	4	○	328616	350								
RD07T1R122M08	12	23	8.5	M8	2	RD..07T1..	-	MS2205	T7	○	328618	380				
RD0702R162M08	16	23	8.5	M8	2	RD..0702..	-	MS2506	T8	○	328620	350				
RD0702R172M08	17	23	8.5	M8	2					○	328622	350				
RD0702R173M08	17	23	8.5	M8	3					○	328624	350				
RD0702R203M10	20	30	10.5	M10	3					○	328626	350				
RD0702R213M10	21	30	10.5	M10	3					○	328628	350				
RD0702R254M12	25	35	12.5	M12	4					○	328630	400				
RD0702R255M12	25	35	12.5	M12	5	○	328632	400								
RD0702R264M12	26	35	12.5	M12	4	○	328634	400								
RD0702R265M12	26	35	12.5	M12	5	○	328636	400								
RD0702R355M16	35	43	12.5	M16	5	○	328638	450								
RD0702R356M16	35	43	17	M16	6	○	328640	450								
RD0802R162M08	16	23	8.5	M8	2	RDMT0802MO	Y-4R	MS3007	T8	●	328642	150				
RD0802R172M08	17	23	8.5	M8	2					○	328644	300				
RD0802R202M10	20	30	10.5	M10	2					●	328646	150				
RD0802R212M10	21	30	10.5	M10	2					○	328648	300				
RD1003R202M10	20	30	10.5	M10	2					RD..1003..	Y-5R	MS3507	T15	○	328650	300
RD1003R212M10	21	30	10.5	M10	2									○	328652	300
RD1003R253M12	25	35	12.5	M12	3	○	328654	300								
RD1003R263M12	26	35	12.5	M12	3	○	328656	300								
RD1003R353M16	35	43	17	M16	3	○	328658	320								
RD1003R354M16	35	43	17	M16	4	○	328660	320								
RD10T3R252M12	25	35	12.5	M12	2	RDMT10T3MO	Y-5R	M3.5X10 M4X9	T15	●	328662	160				
RD10T3R262M12	26	35	12.5	M12	2					○	328664	300				
RD10T3R302M16	30	40	17	M16	2					●	328666	160				
RD10T3R323M16	32	43	17	M16	3					○	328668	320				
RD10T3R353M16	35	43	17	M16	3					●	328670	200				

ZCET 球形粗铣
ZCEW 双面有孔
仿形加工

用途 Application	产品图片 Product Image	几何尺寸 Dimensioning	规格型号 Specification	尺寸 Dimension (mm)				配套刀柄 Matching Toolholder	RCD CBN K CBN S ZM60 ZK01 ZK02 ZK05 ZK15 ZK20 ZK25 ZK30 ZK40 ZK50 ZK60 ZK70 ZK80 ZK90 ZK100 ZK120 ZK150 ZK160 ZK180 ZK200 ZK250 ZK300 ZK350 ZK400 ZK450 ZK500 ZK550 ZK600 ZK650 ZK700 ZK750 ZK800 ZK850 ZK900 ZK950 ZK1000	
				r℄	A	B	T			
球头仿形粗铣加工 Rough milling of the end profiling		ZC.. 	ZCET 080CE 主刃 ZCET 100CE ZCEW 100CE ZCET 125CE ZCEW 125CE ZCET 150CE ZCEW 150CE ZCET 160CE ZCEW 200CE	8	15.6	7.9	3.97	刀柄: (Toolholder) D43	●●●●●	
			ZCET 100SE 副刃 ZCET 100SE ZCEW 100SE ZCET 125SE ZCEW 125SE ZCET 150SE ZCEW 150SE ZCET 160SE ZCEW 200SE	8	16.8	5.9	3.43		●●●●●	
			CP.. 	CPMT 080204 外周刃 CPMT 090308	0.4	7.94	7.94		2.38	●●●●●
					0.8	9.525	9.525		3.18	●●●●●

BCF/BCFL 球形立铣刀 Spherical End Mill



BCF为两刃型 BCFL为四刃型
BCF for the edged-type BCFL for four-edge-type

- 采用精密级刀片可得到高精度加工表面
- 刀片表面凸面设计，不仅刀刃锋利并可降低切削振动的噪音
- ★ Use of available high-precision machining precision blade surface.
- ★ Blade surface of convex design, and reduces not only the sharp cutting edge Vibration noise.

切削参数 (Cutting Parameters): R27
零配件 (Spare Parts): P01-P04

型号 Cat. No	尺寸 Size					刃数 No. of flutes	刀片 Insert			螺钉 Screw	扳手 Wrench	Order Number	BCF型 Price (RMB)	BCFL型 Price (RMB)	BCFL型 Price (RMB)
	D	d	L	L1	a		亲刃(1刃)	子刃(1刃)	外周刃(2刃)						
C20-10R-150	20	20	150	70	30	2/4						329400	330	510	580
C20-10R-200	20	20	200	50	30	2						329402	430	-	-
C20-10R-250	20	20	250	50	30	2						329404	530	-	-
C25-10R-150	20	25	150	70	30	2/4	ZCEW1T	ZCEW1T	CPMT080204	M3.5×9.5	T10	329406	-	510	650
C25-10R-200	20	25	200	80	30	2/4				M2.5×6	T8	329408	-	560	650
C25-10R-250	20	25	250	100	30	2/4						329410	-	790	880
C32-10R-300	20	32	300	150	30	2/4						329412	-	900	980
C20-1.25R-150	25	25	150	70	39	2/4						329414	-	620	700
C25-1.25R-150	25	25	150	100	39	2/4						329416	400	790	880
C25-1.25R-200	25	32	200	100	39	2/4	ZCEW1T	ZCEW1T	CPMT090308	M4×9	T15	329418	500	790	880
C25-1.25R-250	25	32	250	150	39	2/4						329420	600	900	980
C32-1.25R-300	25	32	300	150	39	2/4						329422	-	1020	1100
C32-15R-160	30	32	160	70	43	2/4						329424	460	730	800
C32-15R-200	30	32	200	100	43	2/4	ZCEW1T	ZCEW1T	CPMT090308	M5×12	T20	329426	560	850	950
C32-15R-250	30	32	250	150	43	2/4				M4×9	T15	329428	700	960	1050
C32-15R-300	30	32	300	150	43	2/4						329430	830	1100	1150
C32-15R-350	30	32	350	200	43	2/4						329432	-	1300	1400
C32-16R-160	32	32	160	70	43	2/4						329434	-	740	800
C32-16R-200	32	32	200	100	43	2/4						329436	-	850	950
C32-16R-250	32	32	250	150	43	2/4	ZCEW	ZCEW	CPMT090308	M5×12	T30	329438	-	960	1050
C32-16R-300	32	32	300	150	43	2/4				M4×9	T15	329440	-	1100	1150
C32-16R-350	32	32	350	200	43	2/4						329442	-	1300	1400
C42-20R-200	40	42	200	100	50	2/4						329444	-	1130	1250
C42-20R-250	40	42	250	150	50	2/4						329446	-	1240	1350
C42-20R-300	40	42	300	150	50	2/4	ZCEW	ZCEW	CPMT090308	M6×18	T30	329448	-	1350	1450
C42-20R-350	40	42	350	200	50	2/4				M4×9	T15	329450	-	1470	1560
MT5-20R-200	40	MT5	200	100	50	2/4						329452	-	1240	1350
MT5-20R-250	40	MT5	250	150	50	2/4						329454	-	1350	1450
C50.8-25R-200	50	50.8	200	100	50	2/4						329456	-	1300	1400
C50.8-25R-250	50	50.8	250	150	50	2/4						329458	-	1410	1500
C50.8-25R-300	50	50.8	300	150	50	2/4						329460	-	1520	1600
C50.8-25R-350	50	50.8	350	200	50	2/4	ZCEW	ZCEW	CPMT090308	M6×18	T30	329462	-	1700	1800
C50.8-25R-400	50	50.8	400	200	50	2/4				M4×9	T15	329464	-	2030	2150
MT5-25R-200	50	MT5	200	100	50	2/4						329466	-	1520	1600
MT5-25R-250	50	MT5	250	150	50	2/4						329468	-	1700	1800

ZPFG 球形精铣
ZCFW 双面有孔
仿形加工

形状 shape	产品代码 Product code	精度 precision	ATH涂层 ATH coating		PN涂层 PN coating		尺寸 dimension					形状 shape
			ZP150	ZP160			R	∅	A	∅Dc	T	
<p>Fig. 1</p>	TYPE ST	F级										Fig. 1
	ZDFG06N-ST	●		○	3	3	5	6	2			Fig. 2
	ZDFG080-ST	●		○	4	4.4	9.7	8	2.1			
	ZDFG100-ST	●		○	5	5.6	12.1	10	2.7			
	ZDFG120-ST	●		○	6	6.6	14.6	12	3.2			
	ZDFG160-ST	●		○	8	9	16.6	16	4.2			
	ZDFG200-ST	●		○	10	11.5	20.3	20	5.2			
	ZDFG250-ST	●		○	12.5	14.5	24.1	25	6.2			
ZDFG300-ST	●		○	15	18.5	29.2	30	7.2				
<p>Fig. 2</p>	TYPE SC	F级										Fig. 1
	ZDFG06N-SC	○		○	3	3	5	6	2		Fig. 2	
	ZDFG080-SC	○		○	4	4.4	9.7	8	2.1			
	ZDFG100-SC	○		○	5	5.6	12.1	10	2.7			
	ZDFG120-SC	○		○	6	6.6	14.6	12	3.2			
	ZDFG160-SC	○		○	8	9	16.6	16	4.2			
	ZDFG200-SC	○		○	10	11.5	20.3	20	5.2			
	ZDFG250-SC	○		○	12.5	14.5	24.1	25	6.2			
ZDFG300-SC	○		○	15	18.5	29.2	30	7.2				
TYPE SF	F级		○									Fig. 2
ZDFG160-SF	○		○	8	9	16.6	16	4.2		Fig. 2		
ZDFG200-SF	○		○	10	11.5	20.3	20	5.2				
ZDFG250-SF	○		○	12.5	14.5	24.1	25	6.2				
ZDFG300-SF	○		○	15	18.5	29.2	30	7.2				

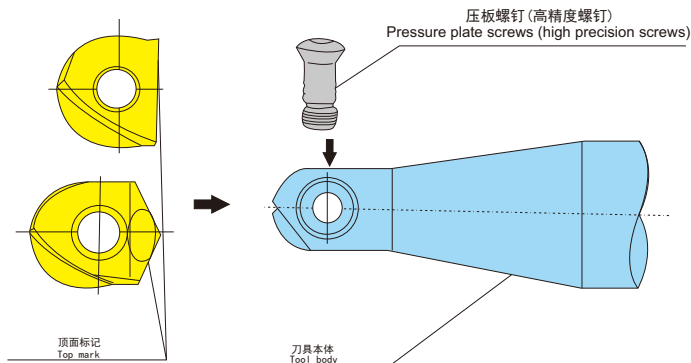
● 标准库存品 ○ 新商品的标准库存品 无标记订单生产产品 ● Standard inventory ○ Standard inventory for new products Unmarked orders produce products

Φ 10以上的刀片可以再研磨。Φ 16以上的刀片最多可以进行2次再研磨 Φ Blades above 10 can be reground. Φ Blades above 16 can be reground up to 2 times

承接刀片再研磨和再涂层业务 详细请联系本公司营业所 To undertake blade re grinding and re coating business, please contact our company's business office for details

刀片安装步骤 Blade installation procedure

- 清扫刀片座**
 通过吹气等方法清扫刀片座侧面
 Cleaning Blade Holder
 Clean The Side Of The Blade Holder By Blowing Air Or Other Methods
- 将刀片的顶面标记对准刀具本体的螺钉紧固侧插入刀片
 Align The Top Surface Mark Of The Blade With The Screw Fastening Side Of The Tool Body insert Blade
- 用专用扳手紧固高精度螺钉
 此时请勿按压刀片
 The High-precision Screws Will Be Tightened With A Special Wrench.
 Do Not Press The Blade At This Time.
- 紧固结束
 End Of Tightening.



安装精度R公差请参考以上的步骤以满足安装精度R公差在+001mm的范围内
 Installation accuracy R tolerance Please refer to the steps above to meet the installation accuracy R tolerance in the range of +001mm

刀杆
刀盘

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻铣
刀杆

倒角
刀杆

玉米
铣刀

三
面刃
槽刀

快
进给
系列

龙门
平面
铣刀

锁
牙式
刀柄

ZPFG 球形精铣
ZCFW 双面有孔
仿形加工

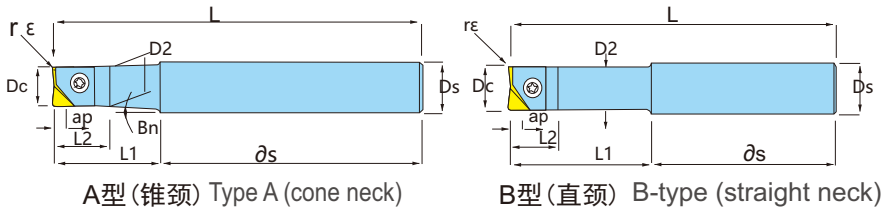
- 2刃刃尖更换式高精度加工用圆弧立铣刀(振幅0.01mm以下)
- 刀片的固定可以通过高精度的刀身V槽或独特的夹紧机构进行牢固安装
Circular arc end milling cutter for high-precision machining with replaceable blade and tip. (Amplitude below 0.01mm)
The fixing of the blade can be securely installed through high-precision V-grooves or unique clamping mechanisms



ARPF



切削参数 (Cutting Parameters): D49
零配件 (Spare Parts): P03-P05

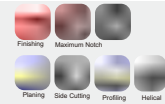


类型 type	产品代码 Product code	刀片数 Number of blades	尺寸 dimension									形状 shape	库存 inventory	使用刀片 Use a blade	
			φ Dc	L	φ Ds	ap	L2	L1	Bn	φ D2	Bs				
常规 routine	ARPF06S10-80	1	6	80	10	2.0	15	30	8.25°	5.4	50	A	●	ZCFW060	
	ARPF08S12-100	1	8	100	12	2.5	10	22	9.5°	7.5	78	A	●	ZCFW080	
	ARPF10S12-100	1	10	100	12	3.0	13	25	3°	9.5	75	A	●	ZCFW100	
	ARPF12S12-110	1	12	110	12	4.0	21	30	-	11.5	80	B	●	ZCFW120	
	ARPF16S16-130	1	16	130	16	5.0	27	50	-	15	80	B	●	ZCFW160	
	ARPF20S20-140	1	20	140	20	6.0	35	60	-	19	80	B	●	ZCFW200	
	ARPF25S25-150	1	25	150	25	8.0	43	70	-	24	80	B	●	ZCFW250	
	ARPF30S32-160	1	30	160	32	10.0	55	80	-	29	80	B	●	ZCFW300	
ARPF32S32-160	1	32	160	32	10.0	58	80	-	31	80	A	●	ZCFW320		
长颈 longneck	ARPF08S12L50-130	1	8	130	12	2.5	10	50	3°	7.5	80	A	●	ZCFW080	
	ARPF10S16L50-150	1	10	150	16	3.0	13	50	4.5°	9.5	100	A	●	ZCFW100	
	ARPF12S16L60-160	1	12	160	16	4.0	21	60	2°	11.5	100	B	●	ZCFW120	
	ARPF16S16L65-165	1	16	165	16	5.0	27	65	-	15	100	B	●	ZCFW300	
	ARPF20S20L80-180	1	20	180	20	6.0	35	80	-	19	100	B	●	ZCFW160	
	ARPF20S20L120-220	1	20	220	20	6.0	35	120	-	19	100	B	●	ZCFW160	
	ARPF20S20L150-250	1	20	250	20	6.0	35	150	-	19	100	B	●	ZCFW200	
	ARPF25S25L90-200	1	25	200	25	8.0	43	90	-	24	110	B	●	ZCFW200	
	ARPF25S32L150-250	1	25	250	32	8.0	43	150	-	24	100	B	●	ZCFW200	
	ARPF30S32L100-220	1	30	220	32	10.0	55	100	-	29	120	B	●	ZCFW250	
	ARPF30S32L150-250	1	30	250	32	10.0	55	150	-	29	100	B	●	ZCFW250	
ARPF30S32L200-300	1	30	300	32	10.0	55	200	-	29	100	B	●	ZCFW250		
ARPF32S32L100-220	1	32	220	32	10.0	58	100	-	31	120	B	●	ZCFW320		
长柄 Long handle	ARPF16S16E65-200	1	16	200	16	5.0	27	65	-	15	135	B	●	ZCFW160	
	ARPF20S20E80-250	1	20	250	20	6.0	35	80	-	19	170	B	●	ZCFW200	
	ARPF25S25E90-300	1	25	300	25	8.0	43	90	-	24	210	A	●	ZCFW250	
	ARPF25S32E100-300	1	25	300	32	8.0	43	100	3.5°	24	200	B	●	ZCFW250	
	ARPF30S32E100-350	1	30	350	32	10.0	55	100	-	29	250	A	●	ZCFW300	
	ARPF30S42EA120-350	1	30	350	42	10.0	55	120	5.3°	29	230	B	●	ZCFW300	
	ARPF32S32E100-350	1	32	350	32	10.0	58	100	-	31	250	B	●	ZCFW320	
硬质合金刀柄	常规 routine	ARPF06S06W25-90	1	6	90	6	2.0	10.3	25	-	5.5	65	B	●	ZCFW060
	长颈 longneck	ARPF06S06WL65-120	1	6	120	6	2.0	10.3	65	-	5.5	55	B	●	ZCFW060
		ARPF08S08WL65-130	1	8	130	8	2.5	65	65	-	7.5	65	B	●	ZCFW080
		ARPF10S10WL75-140	1	10	140	10	3.0	18	75	-	9.5	65	B	●	ZCFW100
		ARPF12S12WL85-150	1	12	150	12	4.0	21	85	-	11.5	65	B	●	ZCFW120
	长颈 longneck	ARPF16S16WE120-200	1	16	200	16	5.0	27	120	-	15	80	B	●	ZCFW160
		ARPF20S20WE150-250	1	20	250	20	6.0	35	150	-	19	100	B	●	ZCFW200
		ARPF25S25WE190-300	1	25	300	25	8.0	43	190	-	24	110	B	●	ZCFW250
		ARPF30S32WE230-350	1	30	350	32	10.0	55	230	-	29	120	B	●	ZCFW300
		ARPF32S32WE230-350	1	32	350	32	10.0	58	230	-	31	120	B	●	ZCFW320

ZPFG
ZCFW

球形精铣
双面有孔
仿形加工

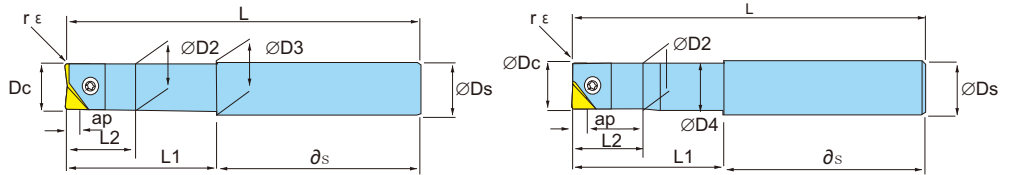
- 2刃刃尖更换式高精度加工用圆弧立铣刀(振幅0.01mm以下)
- 刀片的固定可以通过高精度的刀身V槽或独特的夹紧机构进行牢固安装
Circular arc end milling cutter for high-precision machining with replaceable blade and tip. (Amplitude below 0.01mm)
The fixing of the blade can be securely installed through high-precision V-grooves or unique clamping mechanisms



ARPF



切削参数 (Cutting Parameters):D49
零配件 (Spare Parts):P03-P05



类型 type	产品代码 Product code	刀片数 Number of blades	尺寸dimension										形状 shape	库存 inventory	使用刀片 Use a blade
			φ Dc	L	φ Ds	ap	L2	L1	φ D2	φ D3	φ D4	Bs			
钢柄 Steel handle	ARPF08S08L25-85	1	8	85	8	2.5	-	25	7.5	-	7.5	60	B	○	ZCFW080
	ARPF08S08L30-90	1	8	90	8	2.5	-	30	7.5	-	7.5	60	B	○	ZCFW080
	ARPF10S10L30-90	1	10	90	10	3	15	30	9	9.5	-	60	A	○	ZCFW100
	ARPF10S10L40-100	1	10	100	10	3	15	40	9	9.5	-	60	A	○	ZCFW100
	ARPF12S12L35-95	1	12	95	12	4	18	35	10.8	11.5	-	60	A	○	ZCFW120
	ARPF12S12L50-110	1	12	110	12	4	18	50	10.8	11.5	-	60	A	○	ZCFW120
	ARPF16S16L50-120	1	16	120	16	5	24	50	14.5	15	-	70	A	○	ZCFW160
	ARPF16S16L65-135	1	16	135	16	5	24	65	14.5	15	-	70	A	○	ZCFW160
	ARPF20S20L60-140	1	20	140	20	6	30	60	18	19	-	80	A	○	ZCFW200
	ARPF20S20L80-160	1	20	160	20	6	30	80	18	19	-	80	A	○	ZCFW200
	ARPF20S20L120-200	1	20	200	20	6	30	120	18	19	-	80	A	○	ZCFW200
	ARPF25S25L70-150	1	25	150	25	8	38	70	23	24	-	80	A	○	ZCFW250
	ARPF25S25L100-180	1	25	180	25	8	38	100	23	24	-	80	A	○	ZCFW250
	ARPF30S32L80-160	1	30	160	32	10	38	80	28	29	-	80	A	○	ZCFW300
	ARPF30S32L120-200	1	30	200	32	10	45	120	28	29	-	80	A	○	ZCFW300
	硬质合金刀柄 Carbide shank	ARPF08S08W30-90	1	8	90	8	2.5	-	30	7.5	-	7.5	60	B	○
ARPF08S08W40-100		1	8	100	8	2.5	-	40	7.5	-	7.5	60	B	○	ZCFW080
ARPF08S08W65-125		1	8	125	8	2.5	-	65	7.5	-	7.5	60	B	○	ZCFW080
ARPF10S10W40-100		1	10	100	10	3	15	40	9	-	9.5	60	B	○	ZCFW100
ARPF10S10W50-110		1	10	110	10	3	15	50	9	-	9.5	60	B	○	ZCFW100
ARPF10S10W75-135		1	10	135	10	3	15	75	9	-	9.5	60	B	○	ZCFW100
ARPF12S12W50-110		1	12	110	12	4	18	50	10.8	-	11.5	60	B	○	ZCFW120
ARPF12S12W85-145		1	12	145	12	4	18	85	10.8	-	11.5	60	B	○	ZCFW120
ARPF16S16W80-150		1	16	150	16	5	24	80	14.5	-	15	70	B	○	ZCFW160
ARPF16S16W120-190		1	16	190	16	5	24	120	14.5	-	15	70	B	○	ZCFW160
ARPF20S20W120-200		1	20	200	20	6	30	120	18	-	19	80	B	○	ZCFW200
ARPF20S20W150-230		1	20	230	20	6	30	150	18	-	19	80	B	○	ZCFW200
ARPF25S25W150-230		1	25	230	25	8	38	150	23	-	24	80	B	○	ZCFW250
ARPF25S25W190-270		1	25	270	25	8	38	190	23	-	24	80	B	○	ZCFW250
ARPF30S32W150-230		1	30	230	30	10	45	150	28	-	29	80	B	○	ZCFW300
ARPF30S32W230-310		1	30	310	30	10	45	230	28	-	29	80	B	○	ZCFW300
ARPF32S32W150-230	1	32	230	32	10	48	150	30	-	31	80	B	○	ZCFW320	
ARPF32S32W230-310	1	32	310	32	10	48	230	30	-	31	80	B	○	ZCFW320	

刀杆
刀盘

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻铣
刀杆

倒角
刀杆

玉米
铣刀

三
面刃
槽刀

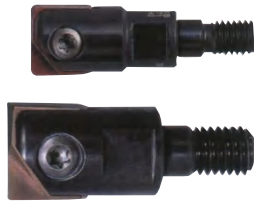
快
进给
系列

龙门
平面
铣刀

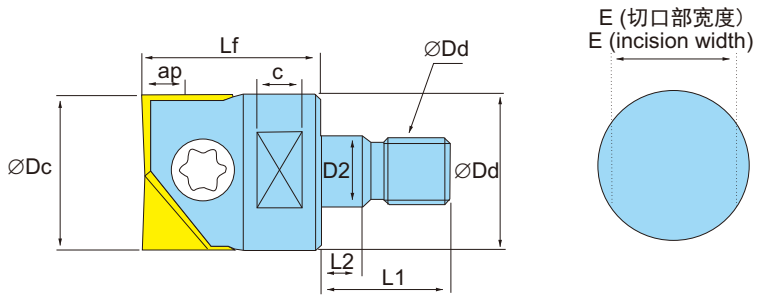
锁
牙式
刀柄

ZPFG
ZCFW 球形精铣
双面有孔
仿形加工

ARPF00



切削参数 (Cutting Parameters): D49
零配件 (Spare Parts): P03-P05



产品代码 Product code	库存 Inventory	刀片数 Number of blades	尺寸 dimension										使用刀片 Use a blade
			Dc	Lf	ap	D2	M	DB	L1	L2	c	E	
ARPFM10-M6	●	1	10	26	3.0	6.5	M6	9.8	5.5	14.5	5	7	ZCFW100
ARPFM12-M6	●	1	12	26	4.0	6.5	M6	9.8	5.5	14.5	5	7	ZCFW120
ARPFM16-M8	●	1	16	32	5.0	8.5	M8	12.8	5.5	17	8	10	ZCFW160
ARPFM20-M10	●	1	20	38	6.0	10.5	M10	17.8	5.5	19	10	15	ZCFW200
ARPFM25-M12	●	1	25	38	8.0	12.5	M12	20.8	5.5	22	10	17	ZCFW250
ARPFM30-M16	●	1	30	43	10.0	17	M16	28.8	6	23	12	22	ZCFW300
ARPFM32-M16	●	1	32	43	10.0	17	M16	28.8	6	23	12	22	ZCFW320

零件名 Part name	形状 shape	压板螺钉 Clamp screw	螺丝刀/扳手 Screwdriver/wrench	螺纹防卡剂 Black body
使用刀具 Use a tool				
ARPF06S..	ABPF-M6	0.5	T6	
ARPF08S..	ABPF-M8	1.1	T8	
ARPF10S..	ABPF-M10	2.2	T10	
ARPF12S..	ABPF-M12	4.9	T20	
ARPF16S..	ABPF-M16	4.9	T25	
ARPF20S..	ABPF-M20	6.9	T30	
ARPF25S..	ABPF-M25	9.8		
ARPF30S..	ABPF-M30	9.8		
ARPF32S..				

标准切削条件表 Standard Cutting Conditions Table

工件材料 Work material	刀片材料 Blade material	切削条件 Cutting Conditions	Ø6		Ø8		Ø10		Ø12		Ø16		Ø20		Ø25		Ø30		Ø32											
			半精加工 semi-finishing	精加工 finishing	半精加工 semi-finishing	精加工 finishing	半精加工 semi-finishing	精加工 finishing	半精加工 semi-finishing	精加工 finishing	半精加工 semi-finishing	精加工 finishing	半精加工 semi-finishing	精加工 finishing	半精加工 semi-finishing	精加工 finishing	半精加工 semi-finishing	精加工 finishing	半精加工 semi-finishing	精加工 finishing	半精加工 semi-finishing	精加工 finishing								
碳素钢 合金钢 Alloy steel	ZP150 ZP163	n(m/min)	8,490	16,450	6,370	11,940	11,940	5,090	9,550	9,550	4,240	7,950	7,950	3,190	5,970	5,970	4,780	4,780	2,040	3,820	3,820	1,700	3,180	3,180	1,590	2,990	2,990			
		Vc(m/min)	160	310	310	160	300	300	160	300	300	160	300	300	160	300	300	160	300	160	300	300	160	300	300	160	300	300		
		fz(mm/t)	0.1	0.07	0.07	0.2	0.15	0.15	0.2	0.15	0.15	0.2	0.15	0.15	0.2	0.25	0.2	0.2	0.25	0.2	0.25	0.2	0.2	0.25	0.2	0.25	0.2	0.2		
		ap(mm)	0.6	0.3	0.2	0.8	0.4	0.2	1	0.5	0.2	1.2	0.6	0.2	1.6	1.6	1.2	2	2	0.2	2.5	1.25	0.2	1.270	3.2	0.2	3.2	0.2		
碳素钢 合金钢 Carbon steel	ZP150 ZP163	n(m/min)	6,370	14,850	14,850	4,770	11,150	11,150	3,820	8,920	8,920	3,180	7,430	7,430	2,390	5,570	5,570	1,910	4,460	4,460	1,530	3,570	3,570	1,20	2,970	2,970	1,190	2,790	2,790	
		Vc(m/min)	120	280	280	120	280	280	120	280	280	120	280	280	120	280	280	120	280	120	280	280	120	280	280	120	280	280		
		fz(mm/t)	0.1	0.07	0.07	0.2	0.15	0.15	0.2	0.15	0.15	0.2	0.15	0.15	0.2	0.25	0.2	0.2	0.25	0.2	0.25	0.2	0.2	0.25	0.2	0.25	0.2	0.2		
		ap(mm)	0.6	0.3	0.2	0.8	0.4	0.2	1	0.5	0.5	1.2	0.6	0.2	1.6	1.6	1.2	2	2	1	2.5	1.25	0.2	1.060	3.2	0.2	3.2	0.2		
淬硬钢 Quenched steel	ZP150 ZP163	n(m/min)	4,240	11,670	11,670	3,180	8,760	8,760	2,560	7,000	7,000	2,120	5,840	5,840	1,590	4,380	4,380	1,270	3,500	3,500	1,020	2,800	2,800	80	2,330	2,330	800	2,190	2,190	
		Vc(m/min)	80	220	220	80	220	220	80	220	220	80	220	220	80	220	220	80	220	220	80	220	220	80	220	220	80	220	220	
		fz(mm/t)	0.08	0.04	0.04	0.1	0.05	0.05	0.1	0.05	0.05	0.1	0.05	0.05	0.1	0.12	0.06	0.12	0.06	0.12	0.06	0.12	0.06	0.12	0.06	0.12	0.06	0.12	0.06	0.06
		ap(mm)	0.6	0.2	0.2	0.8	0.2	0.2	1	0.25	0.2	1.2	0.3	0.2	1.6	1.6	1.2	2	2	1	1.25	1.25	0.2	1.6	1.6	0.2	1.6	1.6	0.2	
铸铁 Cast iron	ZP150 ZP163	n(m/min)	2,560	4,030	4,030	3,820	6,050	6,050	3,050	4,840	4,840	2,560	4,030	4,030	2,240	4,540	4,540	1,790	3,630	3,630	1,430	2,900	2,900	1,190	2,420	2,420	1,110	2,270	2,270	
		Vc(m/min)	160	380	380	160	380	380	160	380	380	160	380	380	160	380	380	160	380	380	160	380	380	160	380	380	160	380	380	
		fz(mm/t)	0.1	0.1	0.05	0.2	0.2	0.2	0.2	0.1	0.25	0.2	0.1	0.3	0.3	0.1	0.8	0.8	0.2	1	1	1.25	1.25	0.2	1.6	1.6	0.2	1.6	1.6	0.2
		ap(mm)	0.6	0.3	0.2	0.8	0.4	0.2	1	0.4	0.2	1.2	0.6	0.2	1.6	1.6	1.2	2	2	1	2.5	1.25	0.2	3.2	3.2	0.2	3.2	0.2		
石墨 graphite	ZP163	n(m/min)	15,920	21,220	21,220	11,940	15,920	15,920	9,550	12,740	12,740	7,960	10,620	10,620	5,970	7,960	7,960	4,780	6,370	6,370	3,980	5,300	5,300	400	400	400	400	400	400	
		Vc(m/min)	3,180	6,370	6,370	4,420	4,780	4,780	3,820	7,640	7,640	5,100	6,370	6,370	4,240	2,990	4,780	4,780	3,980	2,990	3,820	3,820	1,910	3,180	3,180	1,190	2,270	2,270		
		fz(mm/t)	0.1	0.15	0.1	0.2	0.3	0.2	0.2	0.3	0.2	0.2	0.3	0.2	0.25	0.3	0.25	0.3	0.25	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	
		ap(mm)	0.6	0.6	0.6	0.2	0.8	0.8	0.25	1.0	0.8	0.25	1.2	0.9	0.3	1.6	1.1	0.3	2	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	
铝合金铸件 Aluminum alloy casting	ZP163	n(m/min)	3,180	10,610	5,310	4,780	15,920	7,960	3,820	12,740	6,370	3,190	10,620	5,310	2,990	7,960	4,980	2,390	6,370	6,370	3,980	5,300	5,300	400	400	400	400	400	400	
		Vc(m/min)	0.1	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.25	0.4	0.25	0.4	0.25	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	
		fz(mm/t)	0.3	0.15	0.15	0.4	0.2	0.2	0.5	0.3	0.2	0.6	0.4	0.2	0.8	0.6	0.1	1	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	
		ap(mm)	0.6	0.6	0.2	0.8	0.8	0.25	1.0	0.8	0.25	1.2	0.9	0.3	1.6	1.1	0.3	2	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	

[注意]

- 此标准切削条件表中的数值为切削条件的基准值。实际加工时请考虑加工形状、目的使用机床等因素对切削条件进行调整
- 本刀具在使用时有可能发生破损故必须安装护盖，使用保护镜、安全鞋等。
- 不要用手触摸硬质合金刀柄夹。另外使用硬质合金刀柄夹时切削深度ap请使用以下值：外径Dc12以下时ap=0.2mm以下；外径Dc16以上时ap=0.3mm以下。

※ 突出长3Dc以上时请根据上表并参考右表进行调整。

※ When the protruding length is more than 3Dc, please adjust according to the above table and refer to the right table.

突出比例 Protrusive ratio	Vc	Vf
< 3DC	100%	100%
3DC~5DC	70%	70%
5DC~8DC	60%	60%
8DC~10DC	50%	50%

[Note]

- The values in this standard cutting condition table are the reference values for cutting conditions. Please consider the processing shape during actual processing. Purpose: Adjust cutting conditions using factors such as machine tools
- This tool may be damaged during use, so it is necessary to install a protective cover, use protective glasses, safety shoes, etc.
- Do not touch the hard alloy tool holder with your hands. In addition, when using a hard alloy tool holder, please use the following values for the cutting depth ap: When the outer diameter is below Dc12, ap=0.2mm or less; When the outer diameter is above Dc16, ap=0.3mm or less.

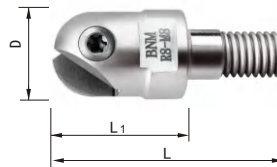
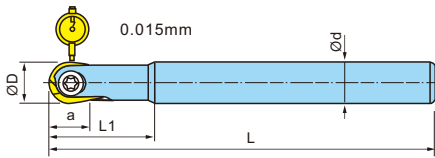
BNM

球形精铣
 双面有孔
 仿形加工

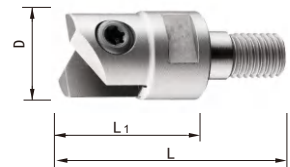
切削形态: ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ✖ 不稳定切削 Unstable Cutting

用途 Application	产品图片 Product Image	几何尺寸 Dimensioning	规格型号 Specification	尺寸 Dimension (mm)				配套刀柄 Matching Toolholder	材料兼容性		
				r _c	A	B	T				
球头仿形精铣加工 Finish milling of ball head parting			BNM 060	3	6	5	2	D50 刀柄: (Toolholder) D50	●		
			BNM 070	3.5	7	5.5	2.4		●		
			BNM 080	4	8	7	2.4		●		
			BNM 100	5	10	8.5	2.6		●		
			BNM 110	5.5	11	9	2.6		●		
			BNM 120	6	12	10	3		●		
			BNM 160	8	16	12	4		●		
			BNM 200	10	20	15	5		●		
			BNM 250	12.5	25	18.5	6		●		
			BNM 300	15	30	22.5	7		●		
			BNM 320	16	32	23.5	7		●		
											●

BNM 球形立铣刀 Spherical End Mill



BNM-R



BNM-S

切削参数 (Cutting Parameters): D52
零配件 (Spare Parts): P01-P04

型号 Cat. No	总长 L	直径 D	R	柄径 d Shank diameter	有效长 Effective length L1	配用刀片 Equipped Inserts	夹紧螺丝 Clamp Screw	Stock	Order Number	Price (RMB)	Price (RMB)
BNML-100075T-S12	132	10	R5	12	75	BNM-100	FSW-3007H	●	329800	-	240
BNML-120085T-S16	145	12	R6	16	85			●	329802	-	260
BNML C12-6R-130-1T	130	12	R6	12	40	BNM-120	FSW-3509	●	329804	135	-
BNML C12-6R-150-1T	150	12	R6	12	50			●	329806	135	-
BNML-160100T-S20	166	16	R8	20	100			●	329808	-	300
BNML C16-8R-150-1T	150	16	R8	16	50	BNM-160	FSW-4013	●	329810	170	-
BNML C16-8R-200-1T	200	16	R8	16	60			●	329812	200	-
BNML-200115T-S25	191	20	R10	25	115			●	329814	-	485
BNML C20-10R-150-1T	150	20	R10	20	50	BNM-200	FSW-5016	●	329816	170	-
BNML C20-10R-200-1T	200	20	R10	20	60			●	329818	200	-
BNML C25-10R-250-1T	250	20	R10	25	60			●	329820	235	-
BNML C25-12.5R-150-1T	150	25	R12.5	12.5	45			●	329822	200	-
BNML C25-12.5R-200-1T	200	25	R12.5	12.5	55	BNM-250	FSW-6020	●	329824	235	-
BNML C25-12.5R-250-1T	250	25	R12.5	12.5	60			●	329826	270	-
BNMM-300106T-S32	186	30	R15	32	106			●	329828	-	1000
BNML-300160T-S32	240	30	R15	32	160	BNM-300	FSW-8025	●	329830	-	1100
BNM-R5-M6	40	10	R5	M6	22	BNM-100	FSW-3007H	●	329850	-	650
BNM-R6-M6	40	12	R6	M6	22	BNM-120	FSW-3509	●	329852	-	650
BNM-R8-M8	40	16	R8	M8	22	BNM-160	FSW-4013	●	329854	-	650
BNM-R10-M10	50	20	R10	M10	28	BNM-200	FSW-5016	●	329856	-	650
BNM-R12.5-M12	60	25	R12.5	M12	33	BNM-250	FSW-6020	●	329858	-	800
BNM-R15-M16	65	30	R15	M16	41	BNM-300	FSW-8025	●	329860	-	800
BNM-S100-M5	40	10	-	M5	20	BNM-S100	FSW-3007H	●	329870	-	650
BNM-S120-M6	40	12	-	M6	22	BNM-S120	FSW-3509	●	329872	-	650
BNM-S160-M8	40	16	-	M8	28	BNM-S160	FSW-4013	●	329874	-	800
BNM-S200-M10	50	20	-	M10	30	BNM-S200	FSW-5016	●	329876	-	800

刀杆
刀盘

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻头
刀杆

倒角
刀杆

玉米
铣刀

三
面刃
槽刀

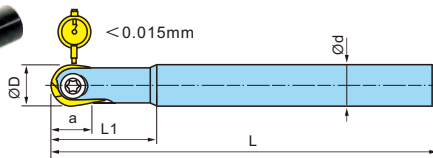
快
进给
系列

龙门
平面
铣刀

锁
牙式
刀柄

T2139

球形
有孔
精铣刀



- 采用高性能合金结构钢材 ★ High-performance alloy structural steel.
- 刀片切削刃锋利, 可加工不同的材质 ★ Blade cutting edge sharp, can process different materials.
- 高精度保证其高性能, 高速切削亦稳定 ★ Precision to ensure its high-performance, high-speed cutting is also stable.

切削参数 (Cutting Parameters): D52
零配件 (Spare Parts): P01-P04

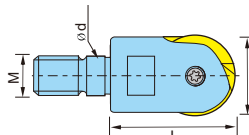
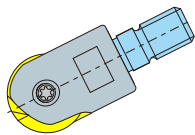
型号 Cat. No	尺寸 Size					刀片 Insert	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)	Price (RMB)
	D	d	L	L1	a							
T2139C08-4R-110	8	8	110	25	4	P320 □-D 08	T2139 4R	T8	●	329900	-	195
T2139C10-4R-100	8	10	100	25	4				●	329902	100	195
T2139C12-4R-130	8	12	130	40	4				●	329904	100	220
T2139C16-4R-150	8	16	150	40	4				●	329906	127	-
T2139C10-5R-120	10	10	120	30	5	P320 □-D 10	T2139 5R	T15	●	329908	100	160
T2139C12-5R-150	10	12	150	40	5				●	329910	100	180
T2139C16-5R-150	10	16	150	40	5				●	329912	127	-
T2139C12-6R-130	12	12	120	40	6	P320 □-D 12	T2139 6R	T20	●	329914	100	160
T2139C12-6R-150	12	12	150	50	6				●	329916	100	180
T2139C16-6R-150	12	16	150	50	6				●	329918	127	-
T2139C16-6R-200	12	16	200	50	6	P320 □-D 16	T2139 8R	T20	●	329920	150	-
T2139C16-8R-150	16	16	150	50	8				●	329922	133	185
T2139C16-8R-200	16	16	200	60	8				●	329924	167	240
T2139C20-8R-200	16	20	200	60	8				●	329926	200	-
T2139C25-8R-250	16	25	250	60	8	P320 □-D 20	T2139 10R	T20	●	329928	233	-
T2139C20-10R-150	20	20	150	50	10				●	329930	167	260
T2139C20-10R-200	20	20	200	60	10				●	329932	200	320
T2139C25-10R-250	20	25	250	60	10				●	329934	233	360
T2139C32-10R-300	20	32	300	60	10	P320 □-D 25	T2139 12.5R	T30	●	329936	267	-
T2139C25-12.5R-150	25	25	150	45	12.5				●	329938	200	520
T2139C25-12.5R-200	25	25	200	55	12.5				●	329940	233	580
T2139C25-12.5R-250	25	25	250	60	12.5				●	329942	267	-
T2139C25-12.5R-300	25	32	300	60	12.5	P320 □-D 30	T2139 15R	T30	●	329944	300	-
T2139C32-12.5R-200	25	32	200	98	12.5				●	329946	-	630
T2139C32-12.5R-250	25	32	250	120	12.5				●	329948	-	690
T2139C32-12.5R-300	25	32	300	60	12.5				●	329950	333	-
T2139C32-15R-150	30	32	150	45	15	P320 □-D 30	T2139 15R	T30	●	329952	217	-
T2139C32-15R-200	30	32	200	55	15				●	329954	250	750
T2139C32-15R-250	30	32	250	60	15				●	329956	283	-
T2139C32-15R-300	30	32	300	60	15				●	329958	317	-
T2139C32-15R-350	30	32	350	60	15	P320 □-D 32	T2139 16R	T30	●	329960	367	-
T2139C40-15R-250	30	40	250	121	15				●	329962	-	830
T2139C32-16R-150	32	32	150	45	16				●	329964	217	-
T2139C32-16R-200	32	32	200	55	16				●	329966	250	800
T2139C32-16R-250	32	32	250	60	16	P320 □-D 32	T2139 16R	T30	●	329968	283	-
T2139C32-16R-300	32	32	300	60	16				●	329970	317	-
T2139C32-16R-350	32	32	350	60	16				●	329972	367	-
T2139C40-16R-250	32	40	250	121	16				●	329974	-	920
T2139C40-16R-350	32	40	350	121	16	●	329976	-	1400			

■ 切削能力及精度均佳, 排削好, 高速切削稳定, 有很宽的应用范围。
可应用于模具用材料的精加工及燃气轮机叶片的制造。

■ Cutting ability and precision are good, the row of cut is good, high-speed cutting stability, and has a wide range of applications.
Can be applied to abrasive materials used in finishing and the manufacture of gas turbine blades.

T2139M 球型精铣刀

Ball Precision Cutters (T2139M)



切削参数 (Cutting Parameters): D52
零配件 (Spare Parts): P03-P05

型号 Cat. No	尺寸 Size				Teeth	刀片 Insert	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)
	D	L	d	M							
T2139M4R-M4	R4	25	4.5	M4	1	P32...D08	T2139-4R	T10	●	331120	350
T2139M5R-M5	R5	25	5.5	M5	1	P32...D10	T2139-5R	T20	●	331122	350
T2139M6R-M6	R6	35	6.5	M6	1	P32...D12	T2139-6R	T20	●	331100	350
T2139M8R-M8	R8	35	8.5	M8	1	P32...D16	T2139-8R	T20	●	331102	350
T2139M10R-M10	R10	35	10.5	M10	1	P32...D20	T2139-10R	T20	●	331104	400
T2139M12.5R-M12	R12.5	40	12.5	M12	1	P32...D25	T2139-12.5R	T30	●	331106	450
T2139M15R-M16	R15	40	17	M16	1	P32...D30	T2139-15R	T30	●	331108	500
T2139M16R-M16	R16	40	17	M16	1	P32...D32	T2139-16R	T30	●	331110	600

P3200

球形精铣
双面有孔
仿形加工

切削形态: ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ✖ 不稳定切削 Unstable Cutting

用途 Application	产品图片 Product Image	几何尺寸 Dimensioning	规格型号 Specification	尺寸 Dimension (mm)					配套刀柄 Matching Toolholder	应用材料表																																																																																																																																																																																			
				rC	A	B	T																																																																																																																																																																																						
球头仿形精铣加工 Finishing of ball head profiling			P3200- D08	4	8	7	2.4	D51	<table border="1"> <tr><td>PO</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td></tr> <tr><td>CO</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td></tr> <tr><td>AL</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td></tr> <tr><td>CU</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td></tr> <tr><td>NI</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td></tr> <tr><td>BR</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td></tr> <tr><td>SS</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td></tr> <tr><td>CF</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td></tr> <tr><td>PM</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td></tr> <tr><td>WC</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td></tr> <tr><td>CBN</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td></tr> <tr><td>PCD</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td></tr> </table>	PO	●	●	●	●	●	●	●	●	●	●	●	●	●	●	CO	●	●	●	●	●	●	●	●	●	●	●	●	●	●	AL	●	●	●	●	●	●	●	●	●	●	●	●	●	●	CU	●	●	●	●	●	●	●	●	●	●	●	●	●	●	NI	●	●	●	●	●	●	●	●	●	●	●	●	●	●	BR	●	●	●	●	●	●	●	●	●	●	●	●	●	●	SS	●	●	●	●	●	●	●	●	●	●	●	●	●	●	CF	●	●	●	●	●	●	●	●	●	●	●	●	●	●	PM	●	●	●	●	●	●	●	●	●	●	●	●	●	●	WC	●	●	●	●	●	●	●	●	●	●	●	●	●	●	CBN	●	●	●	●	●	●	●	●	●	●	●	●	●	●	PCD	●	●	●	●	●	●	●	●	●	●	●	●	●	●
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D12	6	12	10	3																																																																																																																																																																																									
D16	8	16	12	4																																																																																																																																																																																									
D20	10	20	15	5																																																																																																																																																																																									
D25	12.5	25	18.5	6																																																																																																																																																																																									
D30	15	30	22.5	7																																																																																																																																																																																									
D32	16	32	23.5	7																																																																																																																																																																																									

用途 Application	被加工材料 Processed Material	刀片材质 Inserts Material	切削速度 Cutting Speed Vc(m/min)	切削条件 Cutting Condition	切削参数 Cutting Parameter								
					Ø6	Ø8	Ø10	Ø12	Ø16	Ø20	Ø25	Ø30	Ø32
P	普通结构用钢 Mild Steels SS	ZP201 ZC32S ZN60 ZP152	180-230	切削深度 ap(mm) 每刃进给量 f(mm/t)	0.05	0.07	0.1	0.1	0.12	0.12	0.15	0.15	0.15
					0.2	0.3	0.4	0.4	0.5	0.5	0.6	0.6	0.6
	碳素钢、合金钢 Carbon Steel & Alloy Steels S-C SCM	ZP201 ZC32S ZP150 ZP152	150-200	切削深度 ap(mm) 每刃进给量 f(mm/t)	0.05	0.07	0.1	0.1	0.12	0.12	0.15	0.15	0.15
					0.2	0.3	0.4	0.4	0.5	0.5	0.6	0.6	0.6
	模具钢 (300HB以下) Die Steel SKD SKT	ZP152 ZP153	130-180	切削深度 ap(mm) 每刃进给量 f(mm/t)	0.05	0.05	0.06	0.09	0.09	0.09	0.11	0.11	0.11
0.15					0.25	0.3	0.4	0.4	0.4	0.5	0.5	0.5	
预硬化钢 (30~40HRC) Pre-Harden Steel	ZP153 ZP163	70-90	切削深度 ap(mm) 每刃进给量 f(mm/t)	0.02	0.04	0.05	0.07	0.09	0.09	0.11	0.11	0.11	
				0.15	0.25	0.3	0.4	0.5	0.5	0.6	0.6	0.6	
M	不锈钢 Stainless Steels SUS	ZP152 ZP153	90-130	切削深度 ap(mm) 每刃进给量 f(mm/t)	0.03	0.05	0.06	0.09	0.09	0.09	0.11	0.11	0.11
					0.15	0.25	0.3	0.4	0.4	0.4	0.5	0.5	0.5
	不锈钢(湿式切削) Stainless Steel (wet condition) SUS	ZP152 ZP153	90-130	切削深度 ap(mm) 每刃进给量 f(mm/t)	0.03	0.05	0.06	0.09	0.09	0.09	0.11	0.11	0.11
					0.15	0.25	0.3	0.4	0.4	0.4	0.5	0.5	0.5
K	铸铁 Cast Iron FC.FCD	ZC32S ZP201 ZP152	200-400	切削深度 ap(mm) 每刃进给量 f(mm/t)	0.06	0.08	0.1	0.15	0.17	0.17	0.19	0.19	0.19
					0.2	0.3	0.4	0.5	0.6	0.6	0.7	0.7	0.7
N	铝/铜/镁/锌/塑料/木材 Aluminum/Copper/Magnesium/Zinc/Plastic/Wood	PCD ZK01	150-300	切削深度 ap(mm) 每刃进给量 f(mm/t)	0.12	0.15	0.17	0.2	0.26	0.26	0.3	0.3	0.3
					0.25	0.3	0.5	0.6	0.7	0.7	0.8	0.8	0.8
S	硬质合金/粉末冶金 Carbide/Powder Metallurgy	ZP152 ZP153 ZP163	20-50	切削深度 ap(mm) 每刃进给量 f(mm/t)	0.02	0.04	0.05	0.06	0.08	0.08	0.1	0.1	0.1
					0.1	0.2	0.25	0.25	0.3	0.3	0.5	0.5	0.5
H	钛/高温合金/碳纤维 Titanium/Superalloy/Carbon Fiber	ZP152 ZP153 ZP163	25-60	切削深度 ap(mm) 每刃进给量 f(mm/t)	0.02	0.04	0.05	0.06	0.08	0.08	0.1	0.1	0.1
					0.1	0.2	0.25	0.25	0.3	0.3	0.5	0.5	0.5

刀杆
刀盘

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻铣
刀杆

倒角
刀杆

玉米
铣刀

三
面刃
槽刀

快
进给
系列

龙门
平面
铣刀

锁
牙式
刀柄

CCMT
CPMT

铣削刀片
钻铣共用
有孔

用途 Application	产品图片 Product Image	几何尺寸 Dimensioning	规格型号 Specification	尺寸 Dimension (mm)			配套刀柄 Matching Toolholder	PCD CBN/K CBN/S ZrN60 ZrN80 ZrN100 ZrN150 ZrN153 ZrN163
				rℓ	A	T		
平面铣削 / 倒角加工 Plane milling / chamfering			CCMT 060204	0.4	6.35	2.38	刀柄: (Toolholder) D53	
			09T304	0.4	9.525	3.9		
			09T308	0.8	9.525	3.9		
			CPMT 090308	0.8	9.525	3.15		
			120408	0.8	12.7	4.76		
120430	3.0	12.7	4.76					
平面铣削 / 倒角加工 Planemilling / chamfering			CPMT 080204Z	0.4	7.94	2.38	刀柄: (Toolholder) D53	
			090204Z	0.4	9.525	2.38		
			120308Z	0.8	12.7	3.15		
			160408Z	0.8	15.875	4.76		
			160430Z	3.0	15.875	4.76		
			190408Z	0.8	19.05	4.76		
			190430Z	3.0	19.05	4.76		

刀杆
铣刀

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻铣
刀杆

倒角
刀杆

玉米
铣刀

三
面刃
槽刀

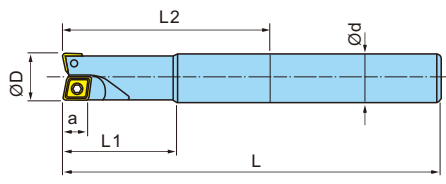
快
进给
系列

龙
门
平面
铣刀

锁
牙
式
刀柄

TJU 钻铣刀

Drilling And Milling Cutter



切削参数 (Cutting Parameters): R18
零配件 (Spare Parts): P01-P04

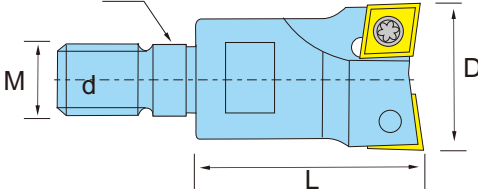
● 钻铣共用, 适用范围广
● 切削阻力小, 负荷轻

★ Drilling and milling shared wide scope of application.
★ Cutting resistance, the load light.

型号 Cat. No	尺寸 Size						刃数 No. of flutes	刀片 Insert	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)	Price (RMB)						
	D	d	L	L1	L2	a														
TJUC08-08-100-1T	8	8	100	30	-	6	1	CCMT 060204 CPMT 080204Z	M2.5×6	T8										
TJUC10-10-100-1T	10	10	100	25	-	6	1													
TJUC12-12-130-1T	12	12	130	30	-	6	1													
TJUC16-16-120-2T	16	16	120	40	-	6	2	CCMT 060204 CPMT 090204Z	M2.5×6 M3.5×8	T8 T15										
TJUC16-16-150-2T	16	16	150	50	-	6	2													
TJUC16-16-200-2T	16	16	200	60	100	6	2													
TJUC25-16-250-2T	16	25	250	60	-	6	2													
TJUC16-17-120-2T	17	16	120	40	-	6	2													
TJUC16-17-150-2T	17	16	150	50	100	6	2													
TJUC16-17-200-2T	17	16	200	60	100	6	2													
TJUC20-20-120-2T	20	20	120	40	-	6	2													
TJUC20-20-150-2T	20	20	150	50	-	6	2													
TJUC20-20-200-2T	20	20	200	60	100	6	2													
TJUC25-20-250-2T	20	25	250	60	-	6	2													
TJUC20-21-150-2T	21	20	150	40	100	6	2													
TJUC20-21-200-2T	21	20	200	50	-	6	2													
TJUC25-25-150-2T	25	25	150	50	-	9	2	CPMT 090308 CPMT 120308Z	M4×9	T15										
TJUC25-25-200-2T	25	25	200	60	-	9	2													
TJUC25-25-250-2T	25	25	250	70	115	9	2													
TJUC32-25-300-2T	25	32	300	70	-	9	2													
TJUC25-26-150-2T	26	25	150	50	-	9	2													
TJUC25-26-200-2T	26	25	200	60	115	9	2													
TJUC25-26-250-2T	26	25	250	60	-	9	2													
TJUC32-32-150-2T	32	32	150	60	-	12	2							CPMT 120408 CPMT 160408Z	M5×12	T20				
TJUC32-32-200-2T	32	32	200	60	-	12	2													
TJUC32-32-250-2T	32	32	250	60	-	12	2													
TJUC32-32-300-2T	32	32	300	60	165	12	2													
TJUC32-32-350-2T	32	35	350	60	215	12	2													

TJUM 钻铣刀

Boring & Milling Cutter(TJUM)



切削参数 (Cutting Parameters): R18
零配件 (Spare Parts): P01-P04

型号 Cat. No	尺寸 Size				Teeth	刀片 Insert	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)
	D	L	d	M							
TJUM162M08	16	35	8.5	M8	2	CCMT060204 CPMT080204Z	M2.5X6	T8		332800	150
TJUM202M10	20	35	10.5	M10	2	CCMT060204 CPMT090204Z	M2.5X6/M3.5X8	T8/T15		332802	150
TJUM252M12	25	40	12.5	M12	2	CPMT090308 CPMT120308Z	M4X9	T15		332804	160
TJUM322M16	32	40	17	M16	2	CPMT120408 CPMT160408Z	M5X12	T20		332806	200

ADMT
APMT

钻铣共用
有孔
铣削刀片

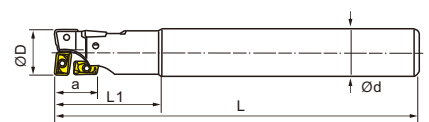
Application 用途	Product Image 产品图片	Dimensioning 几何尺寸	Specification 规格型号	Dimension (mm) 尺寸					Matching Toolholder 配套刀柄	PCD CBN-K CBN-S Zr160 Zr180 Zr200 Zr220 Zr150 Zr152 Zr163
				r _e	A	B	T	a		
Plane Milling / Chamfering 平面铣削 / 倒角加工		底刃	ADMT 080308L	0.8	7.8	6.2	3.0	15	刀柄: (Toolholder) D54	•••
			100308L	0.8	10.4	6.35	3.18	15		•••
			12T308L	0.8	12.6	7.93	3.9	15		•••
			APMT 160408L	0.8	16.45	9.53	4.76	11		•••
			170408L	0.8	17.6	9.53	4.76	11		•••
			190508L	0.8	19.6	10	5.0	11		•••
			250508L	0.8	25.4	11	5.5	11		•••
Plane Milling / Chamfering 平面铣削 / 倒角加工		外周刃	APMT 090208R	0.8	9.1	5.1	2.6	11	刀柄: (Toolholder) D54	•••
			ACMT 100308R	0.8	10.1	6.35	3.4	7		•••
			APMT 100320R	2.0	10.1	6.35	3.4	7		•••
			12T308R	0.8	13.14	7.93	3.9	11		•••
			12T320R	2.0	13.14	7.93	3.9	11		•••
			12T330R	3.0	13.14	7.93	3.9	11		•••
			150408R	0.8	15.88	9.53	4.76	11		•••
150430R	3.0	15.88	9.53	4.76	11	•••				

ASJ-4P 钻铣刀 Drilling and milling cutter

切削参数 (Cutting Parameters): R18
零配件 (Spare Parts): P01-P04

- 无底孔状态下由钻孔加工至立铣加工
- 底刃刀片角度较大, 加工阻力轻
- 刀片为四刃, 可做深粗铣加工

- Bottom-free state from drilling to milling process.
- At the end of blade edge angle of greater resistance to light processing.
- Four-edge blade, do the deep rough milling.



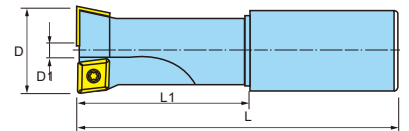
型号 Cat. No	尺寸 Size						刀片 Insert 底刃 外周刃	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)
	D	d	L	L1	L2	a						
ASJC16-17-160-4T	17	16	160	40	-	16	ADMT080308L APMT09208R	M2.5×6/M2×5	T8/T6	•	332400	175
ASJC20-20-160-4T	20	20	160	40	-	20	ADMT1003□□L ACMT1003□□L	M2.5×6	T8	•	332402	200
ASJC20-20-200-4T	20	20	200	40	-	20				•	332404	215
ASJC20-21-160-4T	21	20	160	35	-	20	ADMT12T3□□L APMT12T3□□L	M3.5×7	T10	•	332406	200
ASJC20-21-200-4T	21	20	200	35	-	20				•	332408	215
ASJC25-25-160-4T	25	25	160	50	-	25	ADMT12T3□□L APMT12T3□□L	M3.5×7	T10	•	332410	230
ASJC25-25-200-4T	25	25	200	75	-	25				•	332412	250
ASJC25-25-250-4T	25	25	250	75	-	25	APMT1604□□L APMT1504□□L	M4×9	T15	•	332414	270
ASJC25-26-160-4T	26	25	160	50	-	25				•	332416	230
ASJC25-26-200-4T	26	25	200	50	-	25	APMT1604□□L APMT1504□□L	M4×9	T15	•	332418	250
ASJC25-26-250-4T	26	25	250	50	-	25				•	332420	270
ASJC25-30-160-4T	30	25	160	80	-	25	APMT1604□□L APMT1504□□L	M4×9	T15	•	332422	240
ASJC25-30-200-4T	30	25	200	80	-	25				•	332424	260
ASJC32-30-250-4T	30	25	250	80	-	25	APMT1604□□L APMT1504□□L	M4×9	T15	•	332426	280
ASJC32-33-160-4T	33	32	160	80	-	32				•	332428	250
ASJC32-33-200-4T	33	32	200	90	-	32	APMT1604□□L APMT1504□□L	M4×9	T15	•	332430	275
ASJC32-33-250-4T	33	32	250	120	-	32				•	332432	300
ASJC32-35-160-4T	35	32	160	80	-	32	APMT1604□□L APMT1504□□L	M4×9	T15	•	332434	250
ASJC32-35-200-4T	35	32	200	90	-	32				•	332436	275
ASJC32-35-250-4T	35	32	250	120	-	32	APMT1604□□L APMT1504□□L	M4×9	T15	•	332438	300
ASJC32-35-300-4T	35	32	300	120	-	32				•	332440	330
ASJC32-35-350-4T	35	32	350	120	-	32	APMT1604□□L APMT1504□□L	M4×9	T15	•	332442	375
ASJC32-35-400-4T	35	32	400	120	-	32				•	332444	400

CH 螺丝沉头孔铣刀

Screw Countersunk Head Milling Cutter

切削参数 (Cutting Parameters): R18
零配件 (Spare Parts): P01-P04

- 把传统的钻孔与沉头加工结合于一体, 一次加工完成, 大幅提高螺丝沉头孔的加工效率



型号 Cat. No	尺寸 Size					刃数 No. of flutes	刀片 Insert	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)
	D	D1	d	L1	L							
CH-8-14-C25	14	2.9	25	21	108	1	CCMT060204	M2.5×6	T8	•	332600	200
CH-10-17.5-C25	17.5	5.3	25	26	115	2				•	332602	200
CH-12-20-C25	20	7.8	25	30	120	2				•	332604	200
CH-14-23-C25	23	10.8	25	34.5	126	2	CCMT09T308	M4×9	T15	•	332606	250
CH-16-26-C32	26	8.5	32	39	132	2				•	332608	250
CH-18-29-C32	29	11.5	32	43.5	139	2				•	332610	300
CH-20-32-C32	32	14.5	32	59	144	2	CCMT09T308	M4×9	T15	•	332612	300

刀杆
刀盘

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻铣
刀杆

倒角
刀杆

玉米
铣刀

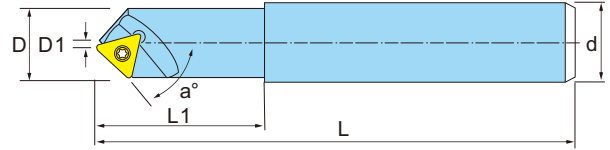
三
面刃
槽刀

快
进给
系列

龙门
平面
铣刀

锁
牙式
刀柄

SSP45° 定位倒角
有孔
铣削刀片



零配件 (Spare Parts): P01-P04

- ★ 本铣刀可45° 切削, 亦可做倒角, V槽切削, 可中心定位钻使用
- ★ Suitable for general milling machine, CNC milling machines, CNC lathes, drilling chamfering
- ★ 适合一般铣床, CNC铣床, CNC车床, 钻床倒角

型号 Cat. No	尺寸 Size						刃数 No. of flutes	倒角范围 Chamfering range	角度 Angle	刀片 Insert	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)
	D	d	D1	L1	L	a°									
SSPC12-12-110	12	12	0	30	110	45°	1	Ø0~Ø12	45°	TCMX0902..	M2.2x5	T6	●	333801	200
SSPC12-12-105-TC10	12	12	0	26	105	45°	1	Ø0~Ø12	45°	TCMX1003..	M2.5x5	T8	●	333803	200
SSPC16-15-110	15	16	0	30	110	45°	1	Ø0~Ø15	45°	TCMX1102..	M2.5x6	T8	●	333802	200
SSPC16-16-110-TC13	16	16	0	30	110	45°	1	Ø0~Ø16	45°	TCMX13T3..	M3.5x8	T15	●	333805	200
SSPC20-20-130	20	20	0	30	130	45°	1	Ø0~Ø20	45°	TCMX16T3..	M4x9	T15	●	333800	200

TCMX 铣削加工 定点倒角 有孔
Milling Fixed point chamfer With Holes

P	钢	Steel	●●●●● ●●●●● ●●●●● ●●●●● ●●●●●
M	不锈钢	Stainless Steel	●●●●● ●●●●● ●●●●● ●●●●● ●●●●●
K	铸铁	Iron	●●●●● ●●●●● ●●●●● ●●●●● ●●●●●
N	铝/铜/镁/锌/塑料/木材	Aluminum/Copper/Magnesium/Zinc/Plastic/Wood	●●●●● ●●●●● ●●●●● ●●●●● ●●●●●
S	硬质合金/粉末冶金	Carbide/Powder Metallurgy	●●●●● ●●●●● ●●●●● ●●●●● ●●●●●
H	钛/高温合金/碳纤维	Titanium/Superalloy/Carbon Fiber	●●●●● ●●●●● ●●●●● ●●●●● ●●●●●

切削形态: 稳定切削 ● 一般切削 ○ 不稳定切削 ✖

用途 Application	产品图片 Product Image	几何尺寸 Dimensioning	规格型号 Specification	尺寸 Dimension (mm)							配套刀柄 Matching Toolholder	PCD 110	CBN 110	K 110	N 110	S 110	H 110
				rC	A	B	T										
定位定点倒角加工 Position point chamfering			TCMX 090204 110204 16T304	0.4	8.6	5.56	2.38					●●●●● ●●●●● ●●●●● ●●●●● ●●●●●	●●●●● ●●●●● ●●●●● ●●●●● ●●●●●	●●●●● ●●●●● ●●●●● ●●●●● ●●●●●	●●●●● ●●●●● ●●●●● ●●●●● ●●●●●	●●●●● ●●●●● ●●●●● ●●●●● ●●●●●	●●●●● ●●●●● ●●●●● ●●●●● ●●●●●
				0.4	10	6.35	2.38										
				0.4	15.5	9.525	3.97										
			TCMX 100304E 13T304E 16T304E	0.4	10	6.0	3.18				●●●●● ●●●●● ●●●●● ●●●●● ●●●●●	●●●●● ●●●●● ●●●●● ●●●●● ●●●●●	●●●●● ●●●●● ●●●●● ●●●●● ●●●●●	●●●●● ●●●●● ●●●●● ●●●●● ●●●●●	●●●●● ●●●●● ●●●●● ●●●●● ●●●●●	●●●●● ●●●●● ●●●●● ●●●●● ●●●●●	
				0.4	13.4	7.94	3.97										
				0.4	16.5	9.525	3.97										

刀杆
刀片

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻铣
刀杆

倒角
刀杆

玉米
铣刀

三
面刃
槽刀

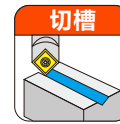
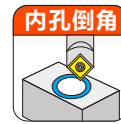
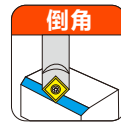
快
进给
系列

龙门
平面
铣刀

锁
牙式
刀柄

倒角刀

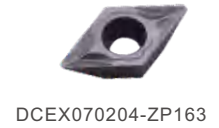
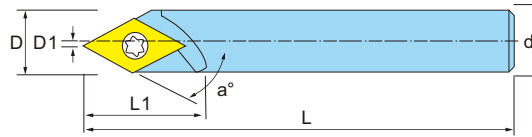
机夹式倒角刀 Machine clip chamfering cutter



SSP07-60°

定点钻 / 倒角刀

SSP07-60° Positioning Chamfering



DCEX070204-ZP163

型号 Cat. No	尺寸 Size						刃数 No. of flutes	倒角范围 Chamfering range	角度 Angle	刀片 Insert	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)
	D	d	D1	L1	L	a°									
SSP07-C04-40L-60°		4		20	40	60°	1	∅0~∅7	60°	DCEX0702..	M2.5x5	T8	●		
SSP07-C06-60L-60°		6		20	60	60°	1	∅0~∅7	60°	DCEX0702..	M2.5x5	T8	●		
SSP07-C08-80L-60°		8		-	80	60°	1	∅0~∅7	60°	DCEX0702..	M2.5x5	T8	●		

工件材质 Workpiece material		主轴速度 r.p.m Spindle speed r.p.m	机台进给 (mm/rev) Machine feed (mm/rev)	刀片材质 Blade material
碳钢	Carbon steel	5000~40000	0.01~0.05	ZP50,ZP15
合金钢	Alloy steel	5000~40000	0.01~0.03	ZP15,ZP163
热处理 ≥HRC40~56	Heat treatment ≥HRC40~56	5000~40000	0.01~0.02	ZP163,ZP16S
不锈钢	Stainless steel	5000~40000	0.01~0.05	ZP15,ZP163
铸铁	Cast iron	5000~40000	0.01~0.03	ZP163
铝、非铁金属	Aluminum, non-ferrous metals	5000~40000	0.01~0.08	ZK01

下刀深度 Tmax: 2mm Cutting depth Tmax: 2mm

材质 material quality	AP							精细加工 Fine processing	
		1st	2nd	3rd	4th	5th	6th		
碳钢	Carbon steel	0.8	0.6	0.3	0.2	0.1	-	-	0.1
合金钢	Alloy steel	0.5	0.4	0.3	0.3	0.2	0.2	0.1	0.1
热处理 ≥HRC40~56	Heat treatment ≥HRC40~56	0.2	0.2	0.15	0.15	0.1	0.1	0.1	0.55
不锈钢	Stainless steel	0.5	0.4	0.3	0.3	0.2	0.2	0.1	0.55
铸铁	Cast iron	0.8	0.6	0.3	0.2	0.1	-	-	0.1
铝、非铁金属	Aluminum, non-ferrous metals	1.0	0.8	0.2	-	-	-	-	0.1

刀杆
刀盘

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻头
刀杆

倒角
刀杆

玉米
铣刀

三
面刃
槽刀

快
进给
系列

龙门
平面
铣刀

锁
牙式
刀柄

SP 定位倒角
有孔
铣削刀片

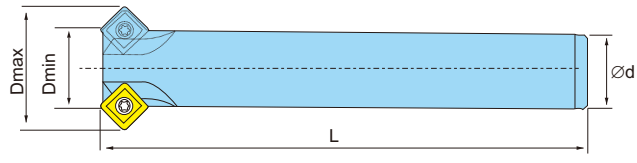
P	钢	Steel	● ● ● ● ● ● ● ●
M	不锈钢	Stainless Steel	● ● ● ● ● ● ● ●
K	铸铁	Iron	● ● ● ● ● ● ● ●
N	铝/铜/镁/锌/塑料/木材	Aluminum/Copper/Magnesium/Zinc/Plastic/Wood	● ● ● ● ● ● ● ●
S	硬质合金/粉末冶金	Carbide/Powder Metallurgy	● ● ● ● ● ● ● ●
H	钛/高温合金/碳纤维	Titanium/Superalloy/Carbon Fiber	● ● ● ● ● ● ● ●

切削形态: ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ✘ 不稳定切削 Unstable Cutting

用途 Application	产品图片 Product Image	几何尺寸 Dimensioning	规格型号 Specification	尺寸 Dimension (mm)					配套刀柄 Matching Toolholder	应用材料
				r _c	A	B	T	L		
直角台肩立铣刀 Chamfer Mills			SPGX 050204	0.4	5.0	5.0	2.38	2.2	刀柄: (Toolholder) D57-D58	● ●
			060204	0.4	6.0	6.0	2.38	2.6		
			090404	0.4	9.8	9.8	4.30	4.2		
圆角铣刀 Chamfer Mills			SPGX0904-R1.0	1.0			4.3		刀柄: (Toolholder) D57-D58	● ●
			R1.5	1.5			4.3			
			R2.0	2.0			4.3			
			R2.5	2.5			4.3			
			R3.0	3.0			4.3			
			R4.0	4.0			4.3			
			R5.0	5.0			4.3			
钻头 Drilling Mills			SPMT 040204-PD	0.4	4.7	4.7	2.38	2.3	刀柄: (Toolholder) D57-D58	● ●
			SPMG 050204-TT	0.4	5.0	5.0	2.38	2.2		
			060204-TT	0.4	6.0	6.0	2.38	2.6		
			07T308-TT	0.8	7.94	7.94	3.97	2.8		
			090408-TT	0.8	9.8	9.8	4.30	4.2		
			110408-TT	0.8	11.5	11.5	4.8	4.4		
			140512-TT	1.2	14.3	14.3	5.0	5.75		

B45 内外倒角刀

Internal And External Chamfering



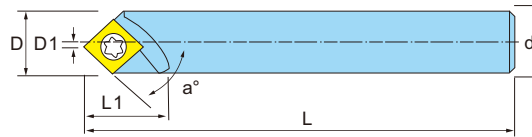
型号 Cat. No	尺寸 Size					刃数 No. of flutes	倒角范围 Chamfering range	角度 Angle	刀片 Insert	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)
	D _{max}	D _{min}	d	L	a°									
B45-C10-7-60-2T-SP04	11	7	10	60	45°	2	Ø7~Ø11	90°	SPMT04	M1.8x4	T6	●		
B45-C12-11-100-4T-SP04	16	11	12	100	45°	4	Ø11~Ø16	90°	SPMT04	M1.8x4	T6	●		
B45-C12-4-120-1T-SP05	9	4	12	120	45°	1	Ø4~Ø9	90°	SPMG05	M2.0x5	T6	●		
B45-C12-6-120-1T-SP05	11	6	12	120	45°	1	Ø6~Ø11	90°	SPMG05	M2.0x5	T6	●		
B45-C12-8-120-1T-SP06	16	8	12	120	45°	1	Ø8~Ø16	90°	SPMG06	M2.2x5	T6	●		
B45-C16-15-120-4T-SP06	21	15	16	120	45°	4	Ø15~Ø21	90°	SPMG06	M2.2x5	T6	●		
B45-C16-14-120-1T-SP09	20	14	16	120	45°	1	Ø14~Ø20	90°	SPMG09	M3.5x8	T15	●		
B45-C20-19-130-4T-SP06	25	19	20	130	45°	4	Ø15~Ø25	90°	SPMG06	M2.2x5	T6	●		
B45-C20-17-160-2T-SP07	25	17	20	160	45°	2	Ø17~Ø25	90°	SPMG07	M2.5x6	T8	●		
B45-C20-22-130-4T-SP09	32	22	20	130	45°	4	Ø22~Ø32	90°	SPMG09	M3.5x8	T15	●		
B45-C20-9-120-1T-SC09	22	9	20	120	45°	1	Ø9~Ø22	90°	SCMT09	M4.0x9	T15	●		
B45-C20-19-120-2T-SC09	32	19	20	120	45°	2	Ø19~Ø32	90°	SCMT09	M4.0x9	T15	●		
B45-C25-22-180-4T-SP09	32	22	25	180	45°	4	Ø22~Ø32	90°	SPMG09	M3.5x8	T15	●		

Work piece Material material Group	Sample Code(JIS)	线速 wire speed	每刃进给 Feed per blade		
			SP..04/05..	SP..06/07..	SP..09..
			Max.Chamfering1.5mm	Max.Chamfering2.5mm	Max.Chamfering4mm
低碳钢C<0.3%	SS400	150-250-350	0.06~0.12	0.10~0.25	0.10~0.25
中碳钢C>0.3%	S50C, P5	200-300-400	0.06~0.10	0.10~0.20	0.10~0.25
低合金C<0.3%	SCM420	180-240-260	0.06~0.10	0.10~0.20	0.10~0.20
合金钢C>0.3%	SKD11	120-150-200	0.06~0.10	0.10~0.15	0.10~0.15
热处理(HRC50°)	SKD61SU	80-90-100	0.06~0.10	0.06~0.12	0.10~0.15
不锈钢	S304	120-150-180	0.06~0.10	0.06~0.15	0.10~0.20
铸铁	FC25	120-150-180	0.06~0.10	0.10~0.15	0.10~0.20
铜、铝非铁金属	A6061	200-400-600	0.06~0.15	0.10~0.25	0.10~0.25

倒角刀

机夹式倒角刀 Machine clip chamfering cutter

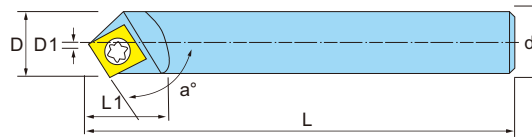
SSP-90° 定钻 / 倒角刀 SSP-90° Positioning Chamfering



SPGX050204-ZP163
SPGX060204-ZP163
SPGX090404-ZP163

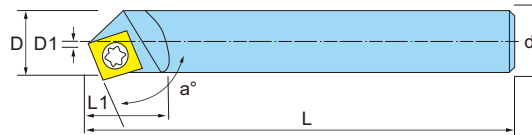
型号 Cat. No	尺寸 Size						刃数 No. of flutes	倒角范围 Chamfering range	角度 Angle	刀片 Insert	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)
	D	d	D1	L1	L	a°									
SSP05-C06-70L-90°	5	6	0		70	45°	1	Ø0~Ø5	90°	SPGX05	M2.0x5	T6	●		
SSP06-C08-80L-90°	7	8	0		80	45°	1	Ø0~Ø7	90°	SPGX06	M2.2x5	T6	●		
SSP09-C10-100L-90°	12.5	10	0		100	45°	1	Ø0~Ø12.5	90°	SPGX09	M3.5x8	T15	●		
SSP09-C12-100L-90°	12.8	12	0		100	45°	1	Ø0~Ø12.8	90°	SPGX09	M3.5x8	T15	●		

SP-120° 倒角刀 SP-120° Chamfering



型号 Cat. No	尺寸 Size						刃数 No. of flutes	倒角范围 Chamfering range	角度 Angle	刀片 Insert	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)
	D	d	D1	L1	L	a°									
SP09-C12-100L-120°	13	12	3		100	60°	1	Ø3~Ø13	120°	SPMG09	M3.5x8	T15	●		
SP09-C16-100L-120°	16	16	5		100	60°	1	Ø5~Ø16	120°	SPMG09	M3.5x8	T15	●		
SP09-C20-100L-120°	20	20	10		100	60°	1	Ø10~Ø20	120°	SPMG09	M3.5x8	T15	●		

SP-142° 倒角刀 SP-142° Chamfering



型号 Cat. No	尺寸 Size						刃数 No. of flutes	倒角范围 Chamfering range	角度 Angle	刀片 Insert	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)
	D	d	D1	L1	L	a°									
SP09-C16-100L-142°	16	16	5		100	71°	1	Ø5~Ø16	142°	SPMG09	M3.5x8	T15	●		
SP09-C20-100L-142°	20	20	10		100	71°	1	Ø10~Ø20	142°	SPMG09	M3.5x8	T15	●		

刀杆 刀盘

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻铣
刀杆

倒角
刀杆

玉米
铣刀

三
面刃
槽刀

快
进给
系列

龙门
平面
铣刀

锁
牙式
刀柄

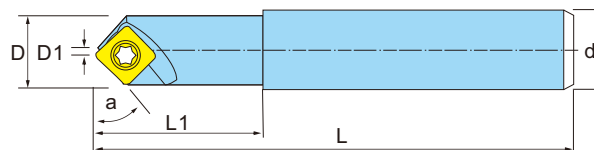
SPMW
SDMB

倒角加工
有孔
铣削刀片

用途 Application Right Angle Milling	产品图片 Product Image	几何尺寸 Dimensioning	规格型号 Specification	尺寸 Dimension (mm)					配套刀柄 Matching Toolholder	PCD CBN-K CBN-S ZIN60 ZK01 ZS325 ZS325 ZP150 ZP152 ZP163		
				rE	A	B	T	a				
直角台肩铣削			SPMW090304	0.4	9.525	9.525	3.18	11°	刀柄： (Toolholder) D59	•	•	•
			SDMB26152	0.4	8.3	8.3	2.5	15°		•	•	•

SB-45° 倒角刀 Chamfering

- 用于内外倒角加工，端面槽加工
- 刀片形状为正方形，使用时可转位4次，更经济
- ★ For internal and external chamfering processing, end-groove.
- ★ Blade shape is square, use indexable four times more economical.

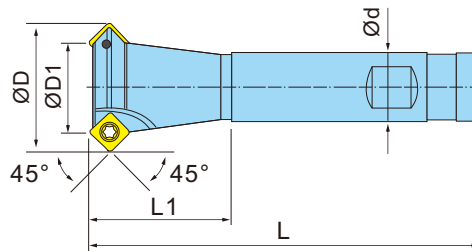


零配件 (Spare Parts): P01-P04

型号 Cat. No	尺寸 Size						刃数 No. of flutes	倒角范围 Chamfering range	角度 Angle	刀片 Insert	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)
	D	d	D1	L1	L	a									
SB16-C16-110	15	16	3	30	110	45°	1	Ø3~Ø15	45°	SPMW0903	M4x8	T15	•	333820	200
SD03-C12-110	12	12	4	30	110	45°	1	Ø4~Ø12	45°	SDMB26152	M3x7	T8	•	333822	200

SD-45° 内外倒角刀 Internal And External Chamfering

- 用于内外倒角加工，端面槽加工
- 刀片形状为正方形，使用时可转位4次，更经济
- ★ For internal and external chamfering processing, end-groove.
- ★ Blade shape is square, use indexable four times more economical.



零配件 (Spare Parts): P01-P04

型号 Cat. No	尺寸 Size						刃数 No. of flutes	倒角范围 Chamfering range	角度 Angle	刀片 Insert	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)
	D	d	D1	L1	L	a									
SD12-C16-110-1T	22	16	12	30	110	45°	1	Ø12~Ø22	45°	SDMB26152	M3x7	T8	•	333600	200
SD25-C20-110-2T	25	20	15	30	110	45°	2	Ø15~Ø25	45°				•	333602	200
SD20-C20-110-2T	30	20	22	30	110	45°	2	Ø22~Ø30	45°				•	333604	200
SD30-C20-110-2T	40	20	30	30	110	45°	2	Ø30~Ø40	45°				•	333608	250
SD40-C20-110-2T	50	20	40	30	110	45°	2	Ø40~Ø50	45°				•	333610	300

倒角刀

机夹式倒角刀

Machine clip chamfering cutter

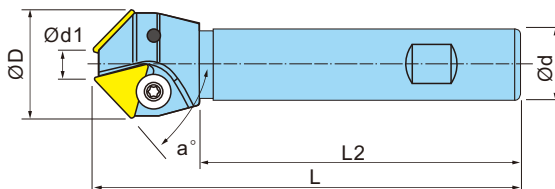
TPKN
TPKR

直角/倒角
无孔
铣削刀片

用途 Application	产品图片 Product Image	几何尺寸 Dimensioning	规格型号 Specification	尺寸 Dimension (mm)				配套刀柄 Matching Toolholder	R01K C01K CM1S Z160 ZK01 ZC32S ZP201 ZP112 ZP113 ZP113
				rE	A	B	T		
平面铣削 / 倒角加工 Surface milling / Chamfering			TPKN 110304 110308 160304 160308 220404 220408 220412 2204PDR	0.4 0.8 0.4 0.8 0.4 0.8 1.2 -	11 11 16.5 16.5 22 22 22 22	6.35 6.35 9.525 9.525 12.7 12.7 12.7 12.7	3.18 3.18 3.18 3.18 4.76 4.76 4.76 4.76	 刀柄: (Toolholder) D60	● ●
平面铣削 / 倒角加工 Surface milling / Chamfering			TPMR 090204 110304 110308 160304 160308 160312 220412 330916	0.4 0.4 0.8 0.8 0.4 0.8 1.2 1.2 1.6	9.6 11 11 16.5 16.5 16.5 22 22 33	5.56 6.35 6.35 9.525 9.525 9.525 12.7 12.7 19.05	2.38 3.18 3.18 3.18 3.18 3.18 4.76 4.76 9.52	 刀柄: (Toolholder) D60	● ●

TP30° / 45° / 60°

倒角刀
Chamfering



☎ 零配件 (Spare Parts): P01-P04

- 可30°/45°/60°切削, 亦可倒角
- 适合加工中心及一般铣床用

- ★ Can be 30°, 45°, 60° cutting, can be chamfered.
- ★ Milling machine for machining centers and general use.

型号 Cat. No	尺寸 Size						倒角范围 Chamfering range	刃数 No. of flutes	刀片 Insert 	压板 Clamp 	螺钉 Screw 	扳手 Wrench 	Stock	Order Number	Price (RMB)
	a°	D	d1	d	L	L2									
TP16R30C20-40-120-2T	30	40	27	20	120	90	Ø27-Ø40	2	TPMN1603..	TP-16	1/4伞形	L4	●	333400	200
TP16R45C16-20-110-1T	45	20	5	16	110	80	Ø5-Ø20	1	TPMN1603..	TP-16	1/4伞形	L4	●	333402	200
TP16R45C20-25-110-1T	45	25	5	20	110	80	Ø5-Ø25	1				L4	●	333404	200
TP22R45C20-32-120-1T	45	32	10	20	120	90	Ø10-Ø32	1					●	333406	250
TP22R45C20-32-130-2T	45	32	10	20	130	100	Ø10-Ø32	2	TPMN2204..	TP-22	5/16伞形	L5	●	333408	250
TP22R45C20-50-130-2T	45	50	26	20	130	100	Ø26-Ø50	2					●	333410	300
TP16R60C20-25-110-1T	60	25	10	20	110	80	Ø10-Ø25	1	TPMN1603..	TP-16	1/4伞形	L4	●	333412	200
TP22R60C20-40-120-2T	60	40	16	20	120	90	Ø16-Ø40	2	TPMN2204..	TP-22	5/16伞形	L5	●	333414	250

刀杆
刀盘

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻铣
刀杆

倒角
刀杆

玉米
铣刀

三
面刃
槽刀

快
进给
系列

龙门
平面
铣刀

锁
牙式
刀柄

TCMT

正三角
有孔
多用途

用途 Application	产品图片 Product Image	几何尺寸 Dimensioning	规格型号 Specification	尺寸 Dimension (mm)				配套刀柄 Matching Toolholder	PCD CBN-H CBN-S ZNB0 ZNB5 ZNB6 ZNB7 ZNB8 ZP150 ZP152 ZP153 ZP163
				rε	A	B	T		
倒角加工 Chamfering			TCMT 090204 110204 16T304	0.4 0.4 0.4	8.6 10 15.5	5.56 6.35 9.525	2.38 2.38 2.38	 刀柄 : (Toolholder) D61-D62	

刀杆
刀盘

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻铣
刀杆

倒角
刀杆

玉米
铣刀

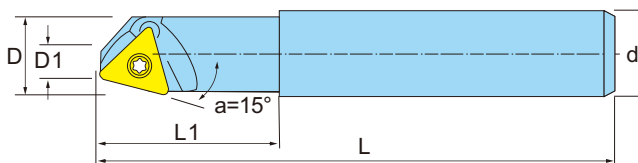
三
面刃
槽刀

快
进给
系列

龙门
平面
铣刀

锁
牙式
刀柄

SSO-15° 倒角刀 15° Chamfering



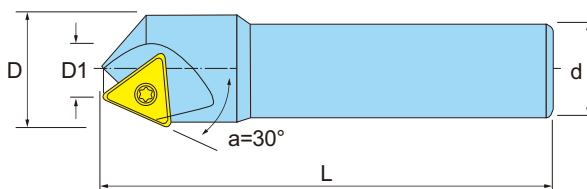
• 适合一般铣床, CNC铣床, CNC车床, 钻床倒角

★ Suitable for general milling machine, CNC milling machines, CNC lathes, drilling chamfering

零配件 (Spare Parts): P01-P04

型号 Cat. No	尺寸 Size						刃数 No. of flutes	倒角范围 Chamfering range	角度 Angle	刀片 Insert	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)
	D	d	D1	L1	L	a									
SSOC16-16-110	16	16	11	30	110	15°	1	Ø11~Ø16	15°	TCMT1102..	M2.5x6	T8	●	333810	300

SSY-30° 倒角刀 30° Chamfering



• 适合一般铣床, CNC铣床, CNC车床, 钻床倒角

★ Suitable for general milling machine, CNC milling machines, CNC lathes, drilling chamfering

零配件 (Spare Parts): P01-P04

型号 Cat. No	尺寸 Size						刃数 No. of flutes	倒角范围 Chamfering range	角度 Angle	刀片 Insert	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)
	D	d	D1	L1	L	a									
SSYC12-12-110	12	12	3	30	110	30°	1	Ø3~Ø12	30°	TCMT0902..	M2.2x5	T6	●	333840	200
SSYC16-16-110	16	16	5	30	110	30°	1	Ø5~Ø16	30°	TCMT1102..	M2.5x6	T8	●	333841	200
SSYC20-20-130	20	20	5	30	130	30°	1	Ø5~Ø20	30°	TCMT16T3..	M4x9	T15	●	333843	200

倒角刀

机夹式倒角刀 Machine clip chamfering cutter

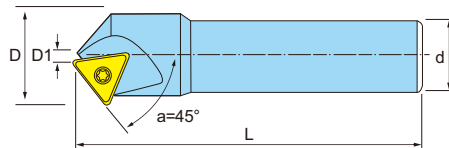
TCMT

正三角

有孔

多用途

TCM-45° 倒角刀 45° Chamfering



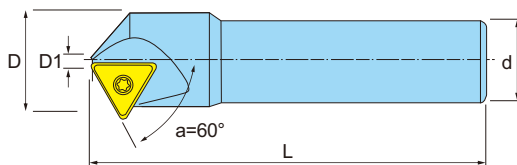
零配件 (Spare Parts):P01-P04

● 适合一般铣床, CNC铣床, CNC车床, 钻床倒角

★ Suitable for general milling machine, CNC milling machines, CNC lathes, drilling chamfering

型号 Cat. No	尺寸 Size						刃数 No. of flutes	倒角范围 Chamfering range	角度 Angle	刀片 Insert	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)
	D	d	D1	L1	L	a									
TCM C12-20-110	20	12	5	30	110	45°	1	Ø5~Ø20	45°	TCMT16T3..	M4x9	T15	●	333830	200
TCM C16-20-110	20	16	5	30	110	45°	1	Ø5~Ø20	45°				●	333832	200
TCM C20-25-110	25	20	5	30	110	45°	1	Ø5~Ø25	45°				●	333834	200
TCM C20-30-110	30	20	10	30	110	45°	1	Ø10~Ø30	45°				●	333836	250
TCM C20-40-110	40	20	18	30	110	45°	2	Ø18~Ø40	45°				●	333838	300

SSH-60° 倒角刀 60° Chamfering



零配件 (Spare Parts):P01-P04

● 适合一般铣床, CNC铣床, CNC车床, 钻床倒角

★ Suitable for general milling machine, CNC milling machines, CNC lathes, drilling chamfering

型号 Cat. No	尺寸 Size						刃数 No. of flutes	倒角范围 Chamfering range	角度 Angle	刀片 Insert	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)
	D	d	D1	L1	L	a									
SSHC12-15-110	15	12	4	30	110	60°	1	Ø4~Ø15	60°	TCMT0902..	M2.2x5	T6	●	333820	200
SSHC16-18-130	18	16	4	30	130	60°	1	Ø4~Ø18	60°	TCMT1102..	M2.5x6	T8	●	333822	200
SSHC20-25-130	25	20	5	30	130	60°	1	Ø5~Ø25	60°	TCMT16T3..	M4x9	T15	●	333824	200

刀杆
刀盘

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻铣
刀杆

倒角
刀杆

玉米
铣刀

三
面刃
槽刀

快
进给
系列

龙门
平面
铣刀

锁
牙式
刀柄

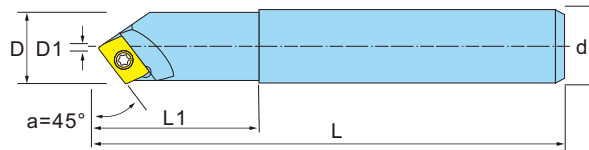
倒角刀

机夹式倒角刀 Machine clip chamfering cutter

APMT 直角台肩
有孔
铣削刀片

用途 Application	产品图片 Product Image	几何尺寸 Dimensioning	规格型号 Specification	尺寸 Dimension (mm)				配套刀柄 Matching Toolholder	OZ ZK ZM ZS Z60 ZK05 ZK06 ZK08 ZK10 ZK15 ZP132 ZP163 ZP163
				r _c	A	B	T		
直角台肩铣削 Right-angle chamfering			APKT 160402-AL 160404-AL 160408-AL	0.2 0.4 0.8	16.5 16.5 16.5	9.525 9.525 9.525	4.76 4.76 4.76	刀柄: (Toolholder) D64	• • •
直角台肩铣削 Right-angle chamfering			APMT 1135PDER-M2 1604PDER-M2	0.8 0.8	11 16.5	6.35 9.525	3.5 4.76	刀柄: (Toolholder) D64	• • ••••

SSK45° 舍弃式倒角刀 SSK45° Discarding Chamfering



- 本铣刀可45° 切削，亦可做倒角，V槽切削
- 适合一般铣床，CNC铣床，CNC车床，钻床倒角
- ★ This cutter can be 45° cutting, chamfering can be done.
- ★ Suitable for general milling machine, integrated machining center.

零配件 (Spare Parts): P01-P04

型号 Cat. No	尺寸 Size						刃数 No. of flutes	倒角范围 Chamfering range	角度 Angle	刀片 Insert	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)
	D	d	D1	L1	L	a									
SSK C12-15-110	15	12	5	30	110	45°	1	Ø5~Ø15	45°	AP..1135..	M2.5x6	T8	•	333710	200
SSK C16-16-110	16	16	5	30	110	45°	1	Ø5~Ø16	45°				•	333712	200
SSK C16-20-110	20	16	8	30	110	45°	1	Ø8~Ø20	45°	AP..1604..	M4x9	T15	•	333714	200
SSK C20-20-130	20	20	8	30	130	45°	1	Ø8~Ø20	45°				•	333716	200
SSK C20-20-200	20	20	8	30	200	45°	1	Ø8~Ø20	45°				•	333718	200
SSK C25-25-120	25	25	10	30	120	45°	1	Ø10~Ø25	45°				•	333720	300

刀杆
刀盘

直角台肩
立铣刀

圆角
铣刀

球头
铣刀

钻头
刀杆

倒角
刀杆

玉米
铣刀

三
面刃
槽刀

快
进给
系列

龙门
平面
铣刀

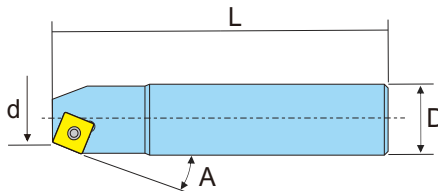
锁
牙式
刀柄



倒角加工
Plane milling

BMC/ MC

倒角加工
有孔
铣削刀片



零配件 (Spare Parts): P03-P05

- 多种角度, 适用孔背及反边倒角, 减少二次装夹, 省时高效!
- A Variety Of Angles, Applicable Hole Back And The Edge Chamfer, Reduce Secondary Clamping, Time Efficient!

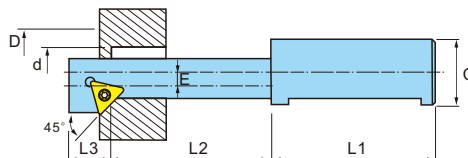
型号 Cat. No	尺寸 Size				刀片 Insert	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)
	直径 d	倒角角度 A	柄径 D	总长 L						
BMC09-3015D-C20-150	30	15	20	150	SDMT090308	M4x9	T10	●	333200	350
BMC09-3030D-C20-150	30	30	20	150					333202	350
BMC09-3045D-C20-150	30	45	20	150					333204	400
BMC09-3060D-C20-150	30	60	20	150					333206	400
MC09-1215D-C20-135	12	15	20	135					333208	300
MC09-1230D-C20-135	12	30	20	135					333210	300
MC09-1245D-C20-135	12	45	20	135					333212	350
MC09-1260D-C20-135	12	60	20	135					333214	350

倒拉倒角刀

Inverted Chamfering



倒角加工
Plane milling



- 不用正反转, 减少损坏概率
- 特殊设计本体刚性最佳
- No need for reverse running of spindles that minimizes defect of tool.
- Specially designed body gives maximum rigidity.

零配件 (Spare Parts): P01-P04

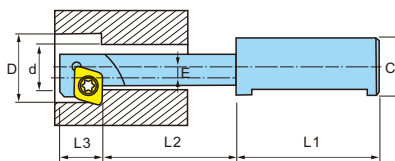
型号 Cat. No	尺寸 Size							刀片 Insert	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)
	D	d	C	L1	L2	L3	E						
BC-2014	20	14	16	48	40	13	3.2	TCMT110204 TCGT110204	M2.5x6.5	T8	●	333100	260
BC-2317	23	17	20	50	50	13	3.2					333102	260
BC-2721	27	21	25	56	70	13	3.2					333104	380
BC-3124	31	24	25	56	80	13	3.7					333106	380

倒拉沉头刀

Inverted Countersunk Head



倒角加工
Plane milling



- 减少二次加工, 增加微调机构
- 不用正反转, 减少损坏概率
- 特殊设计本体刚性最佳
- Reduce secondary processing and add fine-tuning mechanisms
- No need for forward and reverse rotation, reducing the probability of damage
- Specially designed body with optimal rigidity

零配件 (Spare Parts): P01-P04

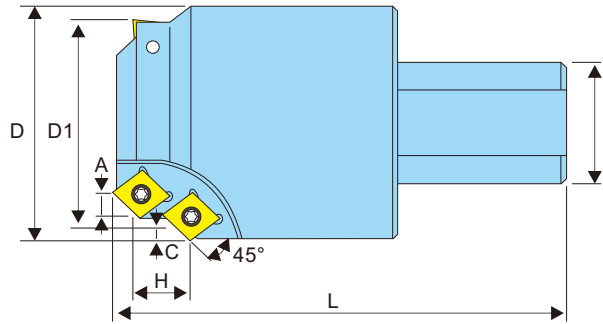
型号 Cat. No	尺寸 Size							刀片 Insert	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)
	D	d	C	L1	L2	L3	E						
M10-1810	18	10.5	16	48	35	13	4	CCMT060204 CCGT060204	M2.5x6.5	T8	●	333900	200
M12-2013	20	13	16	48	10	13	3.85					333902	200
M16-2617	26	17	20	50	50	13	4.85	CCMT09T308 CCGT09T308	M4x9	T15	●	333904	300
M20-3321	33	21	25	56	70	13	6.4					333906	300
M24-4025	40	25	25	56	80	13	7.9					333908	300

倒角刀




机夹式倒角刀 Machine clip chamfering cutter

CA

倒角加工
有孔
沉头刀



零配件 (Spare Parts): P03-P05

型号 Cat. No	刀具直径 D	底孔直径 D1	沉孔深度 H	倒角尺寸 A	倒角尺寸 C	柄部直径 d	总长 L	刀片Insert 	螺钉Screw 	扳手Wrench 	Stock	Order Number	Price (RMB)
CA1218-6.5	18	12	6.5	0.8	0.8	25	100	T8	M2.5X6	CCMT 0602..	•	333920	365
CA1521-6.5	21	15	6.5	1.0	0.8	25	120				•	333922	365
CA1622-6.5	22	16	6.5	1.0	0.8	25	120				•	333924	365
CA2026-6.5	26	20	6.5	1.0	0.8	25	120				•	333926	365
CA2026-8.5	26	20	8.5	1.0	0.8	25	120				•	333928	365
CA2531-6.5	31	25	6.5	1.0	0.8	32	120				T15	M4.0X9	CCMT 09T3..
CA2531-8.5	31	25	8.5	1.0	0.8	32	120	•	333932	365			
CA2531-10.5	31	25	10.5	1.0	0.8	32	120	•	333934	365			
CA3036-8.5	36	30	8.5	1.0	0.8	32	120	•	333936	365			
CA3036-10.5	36	30	10.5	1.0	0.8	32	120	•	333938	365			
CA3541-8.5	41	35	8.5	1.0	0.8	32	120	•	333940	433			
CA3541-10.5	41	35	10.5	1.0	0.8	32	120	•	333942	433			
CA4046-10.5	46	40	10.5	1.0	0.8	32	120	•	333944	500			
CA4248-10.5	48	42	10.5	1.0	0.8	32	120	•	333946	500			
CA4552-10.5	52	45	10.5	1.0	0.8	32	120	•	333948	548			
CA4855-10.5	55	48	10.5	1.0	0.8	32	120	•	333950	548			
CA5057-12.5	57	50	12.5	1.0	0.8	32	120	•	333952	548			
CA5562-10.5	62	55	10.5	1.0	0.8	32	120	•	333954	548			
CA6067-15.5	67	60	15.5	1.0	0.8	40	130	•	333956	705			
CA7077-12.5	77	70	12.5	1.0	0.8	40	130	•	333958	820			
CA7077-15.5	77	70	15.5	1.0	0.8	40	130	•	333960	820			
CA8088-15.5	88	80	15.5	1.0	0.8	40	130	•	333962	978			
CA8088-20.5	88	80	20.5	1.0	0.8	40	130	•	333964	978			
CA9098-20.5	98	90	20.5	1.0	0.8	40	130	•	333966	1115			

刀杆
刀盘

直角
台肩
立铣刀

圆角
铣刀

球头
铣刀

钻头
刀杆

倒角
刀杆

玉米
铣刀

三
面刃
槽刀

快
进给
系列

龙门
平面
铣刀

锁
牙式
刀柄

切削形态: ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ✪ 不稳定切削 Unstable Cutting

Application 用途	产品图片 Product Image	几何尺寸 Dimensioning	规格型号 Specification	尺寸 Dimension (mm)					配套刀柄 Matching Toolholder	LCD CBN/K CBN/S Zr60 Zr80 Zr100 Zr150 Zr200 Zr250 Zr300 Zr400 Zr500 Zr600 Zr800 Zr1000
				r℄	A	B	T	a		
角度成型铣削 Chamfering			XCET 310404ER	0.4	31	12.7	4.5	7°	刀柄: (Toolholder) D67-D68	• • • •

	P	M	K	N	S	H
钢	●	●	●	●	●	●
不锈钢	●	●	●	●	●	●
铸铁	●	●	●	●	●	●
铝/铜/镁/锌/塑料/木材	●	●	●	●	●	●
硬质合金/粉末冶金	●	●	●	●	●	●
钛/高温合金/碳纤维	●	●	●	●	●	●

刀杆刀盘

直角台肩立铣刀

圆角铣刀

球头铣刀

钻铣刀杆

倒角刀杆

玉米铣刀

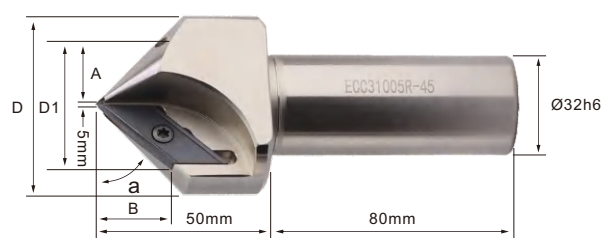
三面刃槽刀

快进给系列

龙门平面铣刀

锁牙式刀柄

■ ECC-45° 舍弃式倒角刀 ECC-45° Discarding Chamfering



- 本铣刀可45°切削，亦可做倒角，V槽切削
- 适合一般铣床，CNC铣床，CNC车床，钻床倒角
- ★ This cutter can be 45° cutting, chamfering can be done.
- ★ Suitable for general milling machine, integrated machining center.

☞ 零配件 (Spare Parts): P01-P04

型号 Cat. No	尺寸 Size						刃数 No. of flutes	倒角范围 Chamfering range	角度 Angle	刀片 Insert 	螺钉 Screw 	扳手 Wrench 	Stock	Order Number	Price (RMB)
	D	d	D1	A	B	a									
XCET31005R-30	40	32	34	14.5	25.5	60°	1	Ø5~Ø52	30°	XCET 310404ER	M5x12	T20	•	333725	500
XCET31005R-45	56	32	46	20.5	20.5	45°	2	Ø5~Ø42	45°				•	333726	500
XCET31005R-60	72	32	55	25.5	14.5	30°	2	Ø5~Ø33	60°				•	333727	500

■ 标准切削条件 Standard cutting conditions

被加工材料 Processed material	材质 Material Quality	转速 n (min ⁻¹) Revolution	每齿进给量 Feed per tooth fz (mm/t)
碳钢 (S55C等) Mild steel (S55C, etc.)	ZP20, ZP15, ZP153	1000-3000-7000	0.1~0.25
合金钢 (SCM440等) 300HB以下 Alloy steel (SCM440, etc.) below 300HB	ZP15, ZP153	700-2000-4900	
模具钢 (SKD61等) 300HB以下 Die steel (SKD61, etc.) below 300HB	ZP153	1000-3000-7000	0.1~0.2
不锈钢 (SUS304等) 250HB以下 Stainless steel (SUS304, etc.) below 250HB	ZP153, ZP163	1000-3000-7000	0.1~0.25
铸铁 (FC250等) Cast iron (FC250, etc.)	ZP163	1000-3000-7000	0.1~0.25

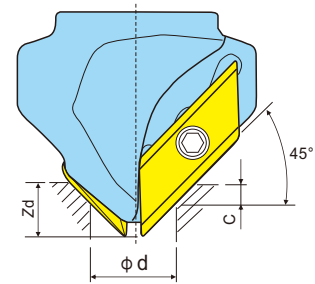
- 转速在上表所列范围内，倒角直径小时，或者使用铣刀中心附近的切削刃倒角时，把转速调节到高转速一侧，当倒角直径大时或者使用铣刀外侧附近的切削刃倒角时把转速调节到低转速一侧。
- 在切入式小孔 (φ 10以下) 倒角中，请不要用步进式进给。
- 在切入式小孔 (φ 10以下) 倒角及使用铣刀中心附近切削刃倒角时，请将进给量设定在 0.15mm/齿以下。
- When the number of revolutions is within the range listed in the table above, and the chamfer diameter is small, or when using a cutting edge near the center of the iron knife to chamfer, adjust the number of revolutions to the high rotation side. When the chamfer diameter is large, or use a cutting edge near the outside of the milling cutter. When chamfering the cutting edge, adjust the number of revolutions to the low side.
- In the cut-in hole φ Please do not use step feed during chamfering.
- In the cut-in hole φ When chamfering and chamfering the cutting edge near the center of the milling cutter, please set the feed rate below 0.15 mm/tooth.

编制程序时的基准 TAC quick chamfering milling cutter

用切入式铣削对内孔作45° 倒角时Z轴方向切入深度Zd (mm)

Cutting depth Zd (mm) in the Z-axis direction when chamfering the inner hole with a 45° chamfer using cut-in milling

孔径 ϕd Aperture	倒角大小C (mm) Chamfer size C						
	0.5	1	1.5	2	3	4	5
5	0.7	1.2	1.7	2.2	3.2		
6	1.2	1.7	2.2	2.7	3.7		
6.8	1.6	2.1	2.6	3.1	4.1		
8	2.2	2.7	3.2	3.7	4.7		
8.5	2.4	2.9	3.4	3.9	4.9		
10	3.2	3.7	4.2	4.7	5.7	6.7	7.7
10.2	3.3	3.8	4.3	4.8	5.8	6.8	7.8
12	4.2	4.7	5.2	5.7	6.7	7.7	8.7
14	5.2	5.7	6.2	6.7	7.7	8.7	9.7
16	6.2	6.7	7.2	7.7	8.7	9.7	10.7
17.5	6.9	7.4	7.9	8.4	9.4	10.4	11.4
20	8.2	8.7	9.2	9.7	10.7	11.7	12.7
21	8.7	9.2	9.7	10.2	11.2	12.2	13.2
24	10.2	10.7	11.2	11.7	12.7	13.7	14.7
30	13.2	13.7	14.2	14.7	15.7	16.7	17.7
33	14.7	15.2	15.7	16.2	17.2	18.2	19.2
36	16.2	16.7	17.2	17.7	18.7	19.7	
42	19.2	19.7	20.2				



铣刀·XCET31005R-45
hobbing

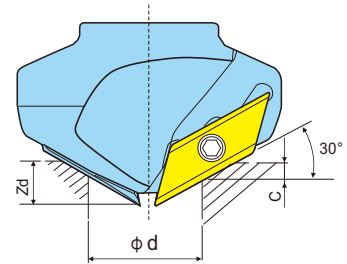
注)当孔深比Z轴方向切入深度Zd还要浅时, 需要对铣刀端部和孔底部的干涉进行研究。

Note) When the hole depth is shallower than the Z-axis direction cutting depth Zd, The interference between the end of the milling cutter and the bottom of the hole needs to be studied.

用切入式铣削对内孔作30° 倒角时Z轴方向切入深度Zd (mm)

Cutting depth Zd (mm) in the Z-axis direction when chamfering the inner hole with a 30° chamfer using cut-in milling

孔径 ϕd Aperture	倒角大小C (mm) Chamfer size C						
	0.5	1	1.5	2	2.5	3	3.5
5	0.6	1.1	1.6	2.1			
6	0.9	1.4	1.9	2.4			
6.8	1.1	1.6	2.1	2.6			
8	1.4	1.9	2.4	2.9			
8.5	1.6	2.1	2.6	3.1			
10	2.0	2.5	3.0	3.5	4.0	4.5	5.0
10.2	2.1	2.6	3.1	3.6	4.1	4.6	5.1
12	2.6	3.1	3.6	4.1	4.6	5.1	5.6
16	3.7	4.2	4.7	5.2	5.7	6.2	6.7
17.5	4.2	4.7	5.2	5.7	6.2	6.7	7.2
20	4.9	5.4	5.9	6.4	6.9	7.4	7.9
21	5.2	5.7	6.2	6.7	7.2	7.7	8.2
24	6.1	6.6	7.1	7.6	8.1	8.6	9.1
30	7.8	8.3	8.8	9.3	9.8	10.3	10.8
33	8.7	9.2	9.7	10.2	10.7	11.2	11.7
36	9.5	10.0	10.5	11.0	11.5	12.0	12.5
38	10.1	10.6	11.1	11.6	12.1	12.6	13.1
42	11.2	11.7	12.2	12.7	13.2	13.7	14.2
46	12.4	12.9	13.4	13.9	14.4		
48	13	13.5	14	14.5			
52	14.1						



铣刀·XCET31005R-60
hobbing

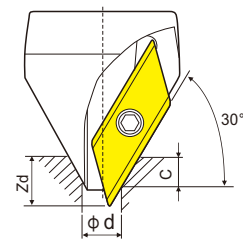
注)当孔深比Z轴方向切入深度Zd还要浅时, 需要对铣刀端部和孔底部的干涉进行研究。

Note) When the hole depth is shallower than the Z-axis direction cutting depth Zd, The interference between the end of the milling cutter and the bottom of the hole needs to be studied.

用切入式铣削对内孔作60° 倒角时Z轴方向切入深度Zd (mm)

Cutting depth Zd (mm) in the Z-axis direction when chamfering the inner hole with a 60° chamfer using cut-in milling

孔径 ϕd Aperture	倒角大小C (mm) Chamfer size C							
	0.5	1	1.5	2	2.5	3	3.5	4
5	0.8	1.3	1.8	2.3	2.8			
6	1.7	2.2	2.7	3.2	3.7			
6.8	2.4	2.9	3.4	3.9	4.4			
8	3.4	3.9	4.4	4.9	5.4			
8.5	3.8	4.3	4.8	5.3	5.8			
10	5.1	5.6	6.1	6.6	7.1	7.6	8.1	8.6
10.2	5.3	5.8	6.3	6.8	7.3	7.8	8.3	8.8
12	6.9	7.4	7.9	8.4	8.9	9.4	9.9	10.4
16	10.3	10.8	11.3	11.8	12.3	12.8	13.3	13.8
17.5	11.6	12.1	12.6	13.1	13.6	14.1	14.6	15.1
20	13.7	14.2	14.7	15.2	15.7	16.2	16.7	17.2
21	14.6	15.1	15.6	16.1	16.6	17.1	17.6	18.1
24	17.2	17.7	18.2	18.7	19.2	19.7	20.2	20.7
30	22.4	22.9	23.4	23.9	24.4	24.9	25.4	
33	24.9	25.4						



铣刀·XCET31005R-30
hobbing

注)当孔深比Z轴方向切入深度Zd还要浅时, 需要对铣刀端部和孔底部的干涉进行研究。

Note) When the hole depth is shallower than the Z-axis direction cutting depth Zd, The interference between the end of the milling cutter and the bottom of the hole needs to be studied.

刀杆
刀盘

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻铣
刀杆

倒角
刀杆

玉米
铣刀

三
面刃
槽刀

快
进给
系列

龙门
平面
铣刀

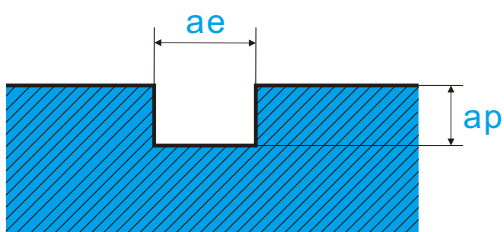
锁
牙式
刀柄

可转位玉米型铣削刀具 (推荐切削参数)

Indexable corn milling cutter (Recommended cutting parameters)

槽铣加工

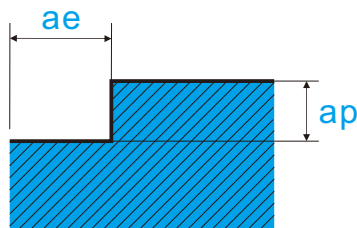
Groove milling



ae 与刀具直径一致 $ap \leq 0.5D$

方肩台阶铣

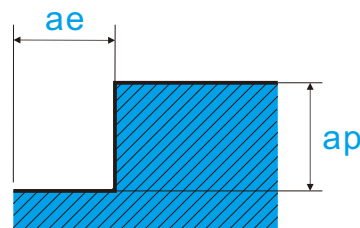
Step milling



$ae \leq 0.5D$ $ap \leq 1.2D$

深方肩台阶铣

Deep step milling



$ae \leq 0.2D$ ap 小于切削刃长

被加工材料 Processed Material	硬度 HB	刀片材质 Inserts Material	切削用量 Cutting amount			
			方肩台阶铣 Square shoulder milling			
			Vc (m/min)	f (mm/z)		
精加工 Finish	中切削 Medium	重切削 Heavy				
低碳钢、软钢 Mild Steels	≤ 180	ZP151 ZP163	270(240-350)	0.1(0.08-0.2)	0.2(0.1-0.3)	0.25(0.2-0.35)
		ZP201	220(180-300)	0.1(0.08-0.2)	0.2(0.1-0.3)	0.25(0.2-0.35)
		ZP153	270(200-360)	0.1(0.08-0.2)	0.2(0.1-0.3)	0.25(0.2-0.35)
		ZP152	240(180-350)	0.1(0.08-0.2)	0.2(0.1-0.3)	0.25(0.2-0.35)
高碳钢、合金钢 Carbon Steel & Alloy Steels	180-280	ZP151 ZP163	240(210-320)	0.1(0.08-0.2)	0.2(0.1-0.3)	0.25(0.2-0.35)
		ZP201	200(160-280)	0.1(0.08-0.2)	0.2(0.1-0.3)	0.25(0.2-0.35)
		ZP153	240(180-360)	0.1(0.08-0.2)	0.2(0.1-0.3)	0.25(0.2-0.35)
		ZP152	220(150-330)	0.1(0.08-0.2)	0.2(0.1-0.3)	0.25(0.2-0.35)
合金工具钢 Die Steel	280-350	ZP151 ZP163	220(180-300)	0.1(0.08-0.2)	0.2(0.1-0.3)	0.25(0.2-0.35)
		ZP201	180(150-250)	0.1(0.08-0.2)	0.2(0.1-0.3)	0.25(0.2-0.35)
		ZP153	220(160-340)	0.1(0.08-0.2)	0.2(0.1-0.3)	0.25(0.2-0.35)
		ZP152	200(120-300)	0.1(0.08-0.2)	0.2(0.1-0.3)	0.25(0.2-0.35)
不锈钢 Stainless Steels	≤ 270	ZP153	170(120-240)	0.1(0.08-0.2)	0.2(0.1-0.3)	0.25(0.2-0.35)
		ZP152	160(150-270)	0.1(0.08-0.2)	0.2(0.1-0.3)	0.25(0.2-0.35)
		ZP151	150(110-270)	0.1(0.08-0.2)	0.2(0.1-0.3)	0.25(0.2-0.35)
		ZP150	140(100-250)	0.1(0.08-0.2)	0.2(0.1-0.3)	0.25(0.2-0.35)
铸铁 Cast Iron	180-250	ZK50S	200(120-240)	0.1(0.08-0.2)	0.2(0.1-0.3)	
		ZK50	180(120-300)	0.1(0.08-0.2)	0.2(0.1-0.3)	
			-AL			
铝合金 Aluminum	---	ZK01	300-	0.2(0.08-0.4)		
		PCD	300-	0.2(0.08-0.4)		

刀杆
刀盘

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻铣
刀杆

倒角
刀杆

玉米
铣刀

三
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进给
系列

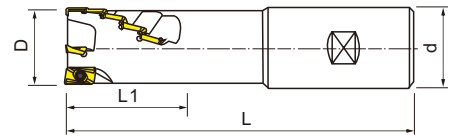
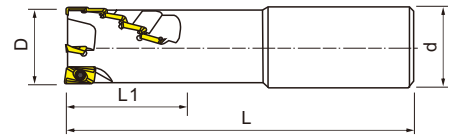
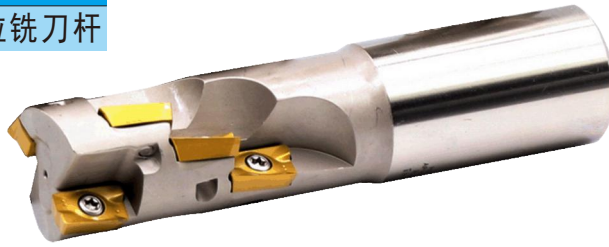
龙门
平面
铣刀

锁
牙式
刀柄

玉米铣刀

机夹式粗加工用铣刀 Milling cutter for rough machining

APK 深孔加工
粗铣
玉米粒铣刀杆



- 高效能型粗铣刀，能加工深孔。
- 尺寸可由刀杆随意变换深度，发挥最大效能。
- ★ High-performance-based rough milling, deep hole can be processed.
- ★ Arbor size can be arbitrarily change the depth of maximum efficiency.

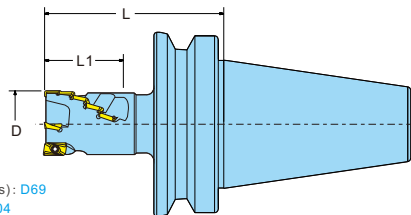
切削参数 (Cutting Parameters): D69
零配件 (Spare Parts): P01-P04

C50.8 如图

型号 Cat. No	尺寸 Size				刃数 No. of Flutes	刀片数 T	刀片 Insert	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)
	D	d	L1	L								
C20-20AP11-28-125-2T	20	20	28	125	2	6	AP..1135..	M2.5X6	T8	●	334500	1750
C20-20AP11-35-110-2T	20	20	35	110	2	8					334502	1040
C25-25AP11-38-130-2T	25	25	38	130	2	8					334504	1900
C25-25AP11-35-120-2T	25	25	35	120	2	8					334506	1280
C32-32AP11-48-150-3T	32	32	48	150	3	12	AP..1604..	M4.0X12	T15	●	334508	2750
C32-32AP16-55-135-2T	32	32	55	135	2	8					334510	1440
C32-40AP16-70-150-3T	40	32	70	150	3	12					334512	3000
C32-40AP16-55-135-2T	40	32	55	135	2	8					334514	1680
C32-50AP16-55-135-4T	50	32	55	135	4	16	APKT1504.. SPMT45272..	M5	T20	●	334516	1880
C50.8-50AP16-80-205-3T	50	50.8	80	205	3	18					334518	5440
C50.8-50AP16-125-250-3T	50	50.8	125	250	3	29					334520	6480

AP 整体式玉米型粗铣刀

AP Integral Type Maize Rough Milling Cutter



切削参数 (Cutting Parameters): D69
零配件 (Spare Parts): P01-P04



订购编码 Order	规格型号 Specification	Dimensions			刀片数 T	刃数 Edge	价格 Price
		D	L1	L			
334550	BT40-50AP16-70-125-4T	50	70	125	16	4	10000
334552	BT40-63AP16-110-160-4T	63	110	160	24	4	16800
334554	BT50-80AP16-165-250-4T	80	165	250	36	4	20000

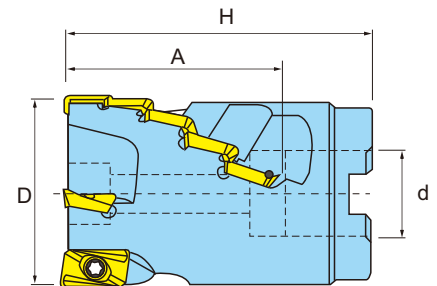
配件(Accessory): 刀片: APMT1604.. 螺钉: M4X10 扳手: T15

APC 玉米型粗铣刀盘

Corn Type Rough Milling Cutter

- 高效能型粗铣刀，能加工深孔。
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- ★ High-performance-based rough milling, deep hole can be processed.
- ★ Arbor size can be arbitrarily change the depth of maximum efficiency.

切削参数 (Cutting Parameters): D69
零配件 (Spare Parts): P01-P04



型号 Cat. No	尺寸 Size				刀片数 T	刀片 Insert	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)
	D	d	A	H							
D50AP16-22-42-65-3T	50	22	42	65	9	APKT1604	M4	T15	●	334530	2750
D50AP16-22-70-90-4T	50	22	70	90	16					334532	3040
D63AP16-27-42-65-4T	63	27	42	65	12					334534	3000
D63AP16-22-70-90-4T	63	22	70	90	16					334536	3280
D80AP16-32-70-100-5T	80	32	70	100	16	APKT1604	M4	T15	●	334538	3750
D80AP16-27-110-135-4T	80	27	110	135	24					334540	3720

刀杆
刀盘

直角
台肩
立铣刀

圆角
铣刀

球头
铣刀

钻铣
刀杆

倒角
刀杆

玉米
铣刀

三
面刃
槽刀

快
进给
系列

龙门
平面
铣刀

锁
牙式
刀柄

LPMT
SPMT

侧铣槽铣
有孔
粗铣加工

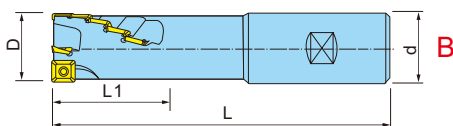
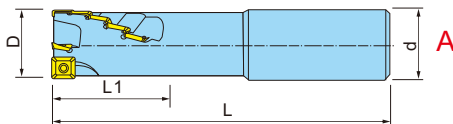
切削形态: ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ✘ 不稳定切削 Unstable Cutting

Material	Material Name	Material Code	Stable Cutting	General Cutting	Unstable Cutting
P	钢 Steel		●	●	✘
M	不锈钢 Stainless Steel		●	●	✘
K	铸铁 Iron		●	●	✘
N	铝/铜/镁/锌/塑料/木材 Aluminum/Copper/Magnesium/Zinc/Plastic/Wood		●	●	✘
S	硬质合金/粉末冶金 Carbide/Powder Metallurgy		●	●	✘
H	钛/高温合金/碳纤维 Titanium/Superalloy/Carbon Fiber		●	●	✘

用途 Application	产品图片 Product Image	几何尺寸 Dimensioning	规格型号 Specification	尺寸 Dimension (mm)				配套刀柄 Matching Toolholder	适用材料 Material
				r _c	A	B	T		
铣削刀片 Milling inserts			APKT 150412-PM	1.2	16.33	12.7	4.76	刀柄: (Toolholder) D71-D72	P00 P01 P02 P03 P04 P05 P06 P07 P08 P09
			150412-KM	1.2	16.33	12.7	4.76		
			LPMT 150412-PM	1.2	16.33	12.7	4.76		
			150412-KM	1.2	16.33	12.7	4.76		
铣削刀片 Milling inserts			SPMT 120408-PM	0.8	12.7	12.7	4.76	刀柄: (Toolholder) D71-D72	P00 P01 P02 P03 P04 P05 P06 P07 P08 P09
			120408-KM	0.8	12.7	12.7	4.76		

SPM 玉米立铣刀杆 SPM Corn End Mill

切割参数 (Cutting Parameters) D69
零配件 (Spare Parts): P01-P04

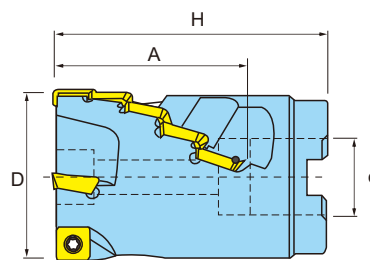


- 高效能型粗铣刀，能加工深孔。
- 尺寸可由刀杆随意变换深度，发挥最大效能。
- ★ High-performance-based rough milling, deep hole can be processed.
- ★ Arbor size can be arbitrarily change the depth of maximum efficiency.

型号 Cat. No	尺寸 Size				图示 Figure	刃数 No. of flutes	刀片 Insert				螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)
	D	d	L1	L			T	□	T	□					
SPM-32-120-40-C32	32	32	40	120	A	3							●	334600	1200
SPM-32-150-40-C32	32	32	40	150	A	3			SCMT09T304	M4	T15	●	334602	1300	
SPM-38-120-40-C32	38	32	40	120	A	3			SCMT09T308			●	334604	1400	
SPM-38-150-40-C32	38	32	40	150	A	3						●	334606	1500	
SPM-40-150-50L-32	40	32	50	150	A	4	2	P27215-3	12	SDMT090308	M4	T15	●	334608	1600
SPM-40-170-56L-C42	40	42	56	170	B	2	1	LPMT1504	15	SPMT1204	M5	T20	●	334610	1800
SPM-50-200-77L-C42	50	42	77	200	B	4	2	LPMT1504	14	SPMT1204	M5	T20	●	334612	2000
SPM-50-250-158-C42	50	42	158	250	B	4	2	LPMT1504	30	SPMT1204	M5	T20	●	334614	2200

SPC 玉米型粗铣刀盘 Corn Type Rough Milling Cutter

切割参数 (Cutting Parameters): D69
零配件 (Spare Parts): P01-P04



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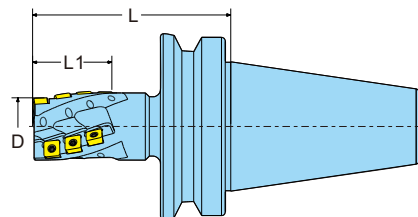
型号 Cat. No	尺寸 Size				刃数 T	刀片 Insert				螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)
	D	d	A	H		□	T	□	T					
SPC-80-31.75-80L	80	31.75	67	80	6							●	334400	3200
SPC-80-32-80L	80	32	67	80	6	LPMT1504	3	SPMT1204	18	M5	T20	●	334402	3200
SPC-100-40-100L	100	40	77	100	8	LPMT1504	4	SPMT1204	24	M5	T20	●	334404	4500

SPC 整体式
有孔
粗铣加工

切割参数 (Cutting Parameters): D69
零配件 (Spare Parts): P01-P04



- 整体式结构, 切削刚性更好!
- 多种切深长度, 灵活选择。
- ★ The overall structure, cutting better rigidity!
- ★ A variety of cutting length, flexible choice.



配件(Accessory):

刀片: LPMT1504..
SPMT1204..

螺钉: M5X12

扳手: T20

订购编码 Order	规格型号 Specification	Dimensions			刀片数 T	刃数 Edge	价格 Price
		D	L1	L			
334214	BT40-SPC40-60	40	60	107	4	8000	
334216	BT40-SPC50-60	50	60	117	4	8000	
334218	BT50-SPC50-60	50	60	138	4	9000	
334220	BT50-SPC63-80	63	80	153	4	9000	
334222	BT50-SPC80-120	80	120	188	4	10000	
334224	BT50-SPC80-150	80	150	203	4	11000	

刀杆
刀盘

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻铣
刀杆

倒角
刀杆

玉米
铣刀

三
面刃
槽刀

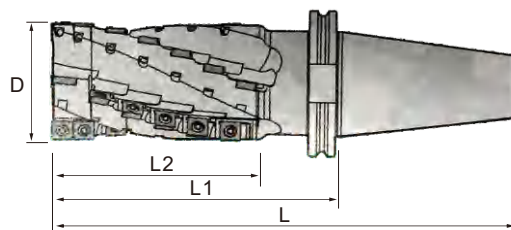
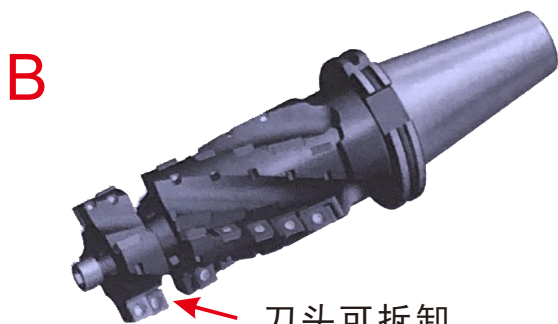
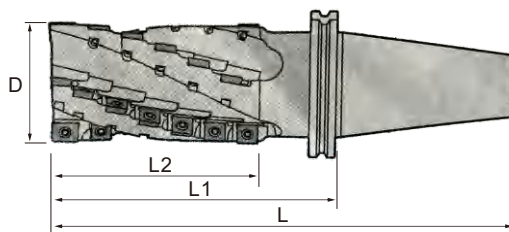
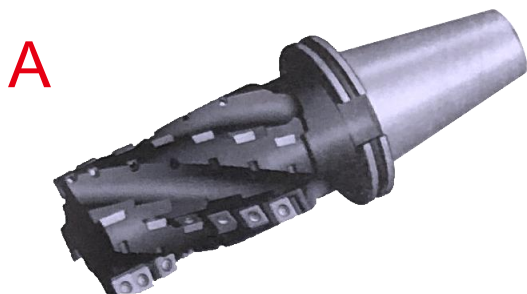
快
进给
系列

龙门
平面
铣刀

锁
牙式
刀柄

■ HMP01 整体式玉米型粗铣刀

HMP01 Integral Type Maize Rough Milling Cutter



刀头可拆卸

Detachable head

切割参数 (Cutting Parameters) D69
零配件 (Spare Parts): P01-P04

型号 Cat. No	尺寸 Size				图示 Figure	槽数 Edges	刀片 Insert				螺钉 Screw	扳手 Wrench	Order Number	Price (RMB)
	D	L2	L1	L			T	刀片	T	刀片				
HMP01-050-84-BT50-SP12	50	84	145	246	A	4	2		16				334620	9000
063-74-BT50-SP12	63	74	135	236	A	4	2		14				334622	9000
063-104-BT50-SP12	63	104	165	266	A	4	2		20				334624	9000
063-134-BT50-SP12	63	134	195	296	A	4	2	AKPT1504	26	SPMT1204	M5x13	T20	334626	10000
080-104-BT50-SP12	80	104	165	266	A	4	2		20				334628	10000
080-144-BT50-SP12	80	144	205	306	A	4	2		28				334630	12000
HMP01-050-84EC-BT50-SP12	50	84	145	246	B	4	2		16				334632	10000
063-74EC-BT50-SP12	63	74	135	236	B	4	2		14				334634	10000
063-104EC-BT50-SP12	63	104	165	266	B	4	2		20				334635	12000
063-134EC-BT50-SP12	63	134	195	296	B	4	2	AKPT1504	26	SPMT1204	M5x13	T20	334636	13000
080-104EC-BT50-SP12	80	104	165	266	B	4	2		20				334637	12000
080-144EC-BT50-SP12	80	144	205	306	B	4	2		28				334639	13000

HTS
T型槽铣刀
有孔
粗铣加工

HTS 铣刀盘
T-Slot Side Mill

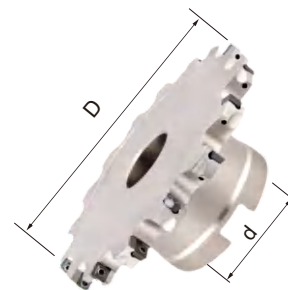
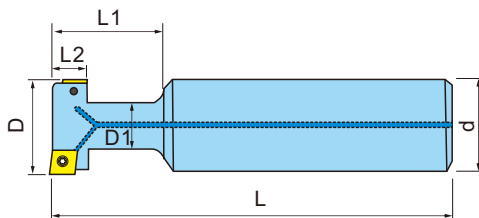


Fig.1

Fig.2

☞ 零配件 (Spare Parts): P01-P04

型号 Cat. No	尺寸 Size							刃数 No. of Flutes	刀片 Insert	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)
	D	d	D1	L	L1	L2	Fig							
HTS-20-H08-C14-120-2T	20	14	12.5	120	32			2				●		
HTS-25-H08-C16-120-2T	25	16	14	120	33			2				●		
HTS-30-H08-C16-120-2T	30	16	15.5	120	33			2				●		
HTS-35-H08-C20-120-2T	35	20	19.5	120	34			2				●		
HTS-40-H08-C20-120-4T	40	20	19.5	120	34			4				●		
HTS-40-H08-C20-200-4T	40	20	19.5	200	34			4				●		
HTS-45-H08-C20-150-4T	45	20	19.5	150	34			4				●		
HTS-45-H08-C20-200-4T	45	20	19.5	200	34			4				●		
HTS-50-H08-C20-150-4T	50	20	19.5	150	34			4				●		
HTS-50-H08-C20-200-4T	50	20	19.5	200	34			4				●		
HTS-55-H08-C20-150-4T	55	20	19.5	150	34	8	Fig.1	4	CCMT060204	M2.5×6	T8	●		
HTS-60-H08-C32-150-6T	60	32	24.5	150	36			6				●		
HTS-60-H08-C32-200-6T	60	32	24.5	200	36			6				●		
HTS-65-H08-C32-150-6T	65	32	24.5	150	36			6				●		
HTS-70-H08-C32-150-8T	70	32	31.5	150	36			8				●		
HTS-70-H08-C32-200-8T	70	32	31.5	200	36			8				●		
HTS-80-H08-C32-150-8T	80	32	31.5	150	36			8				●		
HTS-80-H08-C32-200-8T	80	32	31.5	200	36			8				●		
HTS-100-H08-C32-150-10T	100	32	31.5	150	36			10				●		
HTS-100-H08-C32-200-10T	100	32	31.5	200	36			10				●		
MTS-20-H08-C14-120-2T	20	14	12.5	120	32			2				●		
MTS-25-H08-C16-120-2T	25	16	14	120	33			2				●		
MTS-30-H08-C16-120-4T	30	16	15.15	120	33	8	Fig.1	4	MPHT060304	M2.5×6	T8	●		
MTS-35-H08-C20-120-4T	35	20	19.5	120	34			4				●		
HTS-20-H10-C14-150-2T	20	14	12.5	150	32			2				●		
HTS-20-H10-C14-200-2T	20	14	12.5	200	32			2				●		
HTS-25-H10-C16-150-2T	25	16	14	150	33			2				●		
HTS-25-H10-C16-200-2T	25	16	14	200	33			2				●		
HTS-30-H10-C16-150-4T	30	16	15.5	150	33			4				●		
HTS-30-H10-C16-200-4T	30	16	15.5	200	33			4				●		
HTS-35-H10-C16-150-4T	35	16	19.5	150	34			4				●		
HTS-35-H10-C20-150-4T	35	20	19.5	150	34			4				●		
HTS-40-H10-C20-150-4T	40	20	19.5	150	34			4				●		
HTS-40-H10-C20-200-4T	40	20	19.5	200	34			4				●		
HTS-45-H10-C20-150-4T	45	20	19.5	150	34			4				●		
HTS-45-H10-C20-200-4T	45	20	19.5	200	34			4				●		
HTS-50-H10-C20-150-4T	50	20	19.5	150	34	10	Fig.1	4	CCMT060204	M2.5×6	T8	●		
HTS-50-H10-C20-200-4T	50	20	19.5	200	34			4				●		
HTS-60-H10-C25-150-6T	60	25	24.5	150	36			6				●		
HTS-60-H10-C25-200-6T	60	25	24.5	200	36			6				●		
HTS-65-H10-C25-150-6T	65	25	24.5	150	36			6				●		
HTS-65-H10-C25-200-6T	65	25	24.5	200	36			6				●		
HTS-70-H10-C32-150-8T	70	32	31.5	150	36			8				●		
HTS-70-H10-C32-200-8T	70	32	31.5	200	36			8				●		
HTS-80-H10-C32-150-8T	80	32	31.5	150	36			8				●		
HTS-80-H10-C32-200-8T	80	32	31.5	200	36			8				●		
HTS-100-H10-C32-150-10T	100	32	31.5	150	36			10				●		
HTS-100-H10-C32-200-10T	100	32	31.5	200	36			10				●		
HTS-120-H10-C32-150-10T	120	32	31.5	150	36			10				●		
HTS-80-H10-FMB22-8T	80	22						8				●		
HTS-100-H10-FMB27-10T	100	27				10	Fig.2	10	CCMT060204	M2.5×6	T8	●		
HTS-125-H10-FMB32-10T	125	32						10				●		
HTS-160-H10-FMB40-10T	160	40						10				●		

槽铣刀

机夹式三面刃侧铣槽刀 Three sided edge side groove cutter

T型槽铣刀
有孔
粗铣加工

TMR 铣刀盘
T-Slot Side Mill

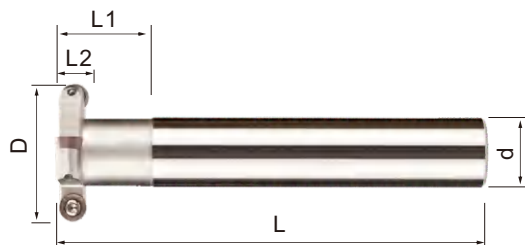


Fig.1

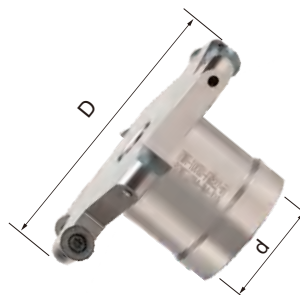


Fig.2

零配件 (Spare Parts): P01-P04

型号 Cat. No	尺寸 Size							刃数 No. of Flutes	刀片 Insert	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)
	D	d	D1	L	L1	L2	Fig							
TMR-C14-20R3-150-4T	20	14	12.5	150	32			4				●		
TMR-C16-25R3-150-4T	25	16	14	150	33			4				●		
TMR-C16-30R3-150-4T	30	16	15.5	150	33	8	Fig.1	4	RCMT0602	M2.5×6	T8	●		
TMR-C20-35R3-150-4T	35	20	19.5	150	34			4				●		
TMR-C20-40R3-150-4T	40	20	19.5	150	34			4				●		
TMR-C16-30R4-150-4T	30	16	15.5	150	34			4				●		
TMR-C20-35R4-150-4T	35	20	19.5	150	34	8	Fig.1	4	RPMT0802	M3.0×8	T8	●		
TMR-C20-40R4-150-5T	40	20	19.5	150	34			5				●		
TMR-C20-50R4-150-5T	50	20	19.5	150	34			5				●		
TMR-C20-40R5-150-4T	40	20	19.5	150	34	8	Fig.1	4	RPMT10T3	M4.0×10	T15	●		
TMR-C20-50R5-150-4T	50	20	19.5	150	34			4				●		
TMR-C25-60R5-150-5T	60	25	24.5	150	36			5				●		
TMR-C32-80R5-150-6T	80	32	31.5	150	36			6				●		
TMR-C20-50R6-150-4T	50	20	19.5	150	34	8	Fig.1	4	RPMT1204	M4.0×10	T15	●		
TMR-C25-60R6-150-4T	60	25	24.5	150	36			4				●		
TMR-C32-80R6-150-5T	80	32	31.5	150	36			5				●		
TMR-80R4-FMB22-8T	80	22						8				●		
TMR-100R4-FMB22-9T	100	22				8	Fig.2	9	RPMT0802	M3.0×8	T8	●		
TMR-125R4-FMB27-10T	125	27						10				●		
TMR-80R5-FMB22-6T	80	22						6				●		
TMR-100R5-FMB22-6T	100	22				8	Fig.2	6	RPMT10T3	M4.0×10	T15	●		
TMR-125R5-FMB27-8T	125	27						8				●		
TMR-160R5-FMB32-10T	160	32						10				●		
TMR-80R6-FMB22-5T	80	22						5				●		
TMR-100R6-FMB22-6T	100	22				8	Fig.2	6	RPMT1204	M4.0×10	T15	●		
TMR-125R6-FMB27-7T	125	27						7				●		
TMR-160R6-FMB32-9T	160	32						9				●		

刀杆
刀盘

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻头
刀杆

倒角
刀杆

玉米
铣刀

三
面刃
槽刀

快
进给
系列

龙门
平面
铣刀


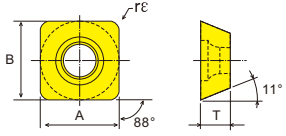
锁
牙式
刀柄

MPHT

槽加工
有孔
铣削加工

切削形态: ● 稳定切削 Stable Cutting ○ 一般切削 General Cutting ✖ 不稳定切削 Unstable Cutting

P	钢	Steel	
M	不锈钢	Stainless Steel	
K	铸铁	Iron	
N	铝/铜/镁/锌/塑料/木材	Aluminum/Copper/Magnesium/Zinc/Plastic/Wood	
S	硬质合金/粉末冶金	Carbide/Powder Metallurgy	
H	钛/高温合金/碳纤维	Titanium/Superalloy/Carbon Fiber	

应用 用途 Application Product Image	几何尺寸 Dimensioning	规格型号 Specification	尺寸 Dimension (mm)				配套刀柄 Matching Toolholder
			r _ε	A	B	T	
		MPHT 060304-DM 080305-DM 120408-DM	0.4	6.35	6.35	3.18	刀柄: (Toolholder) D75-D76
			0.5	8.3	8.3	3.18	
			0.8	12.7	12.7	4.76	

刀杆
刀盘

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻头
刀杆

倒角
刀杆

玉米
铣刀

三
面刃
槽刀

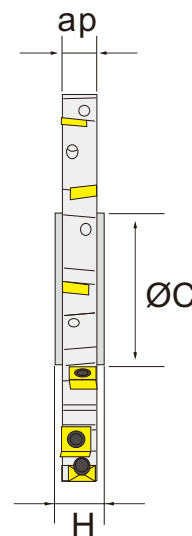
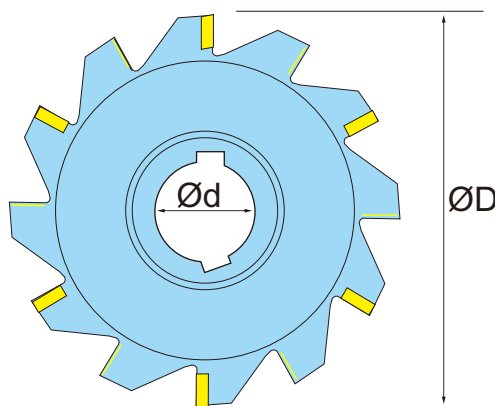
快
进给
系列

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■ DMP 三面刃铣刀(卡口型)

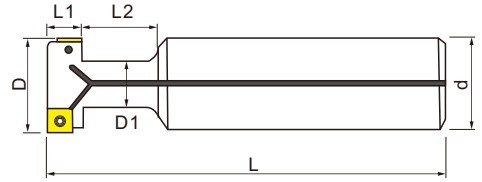
DMP three-sided edge milling cutter (bayonet type)



⚙️ 零配件 (Spare Parts): P01-P04

型号 Cat. No	尺寸 Size					齿数 Z	刀片 Insert	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)
	ØD	ØC	Ød	ap	H							
DMP06-08008-K27	80	41	27	8	12	10	MP□T060304	M2.5X6.5	T8	●	335200	1400
DMP06-10008-K32	100	47	32	8	12	14					335202	1500
DMP06-10010-K32	100	47	32	10	14	14					335204	1500
DMP06-12510-K40	125	55	40	10	14	16	MP□T080305	M3X7	T10	●	335206	1700
DMP08-12512-K40	125	55	40	12	16	12					335208	1700
DMP08-16012-K40	160	62	40	12	16	14					335210	2300
DMP12-16012-K40	160	62	40	16	20	12	MP□T120408	M5X13	T20	●	335212	2300
DMP12-16018-K40	160	62	40	18	24	12					335214	2300
DMP12-16020-K40	160	62	40	20	26	12					335216	2300
DMP12-20016-K50	200	72	50	16	20	14					335218	2800
DMP12-20018-K50	200	72	50	18	24	14					335220	2800
DMP12-20020-K50	200	72	50	20	26	14					335222	2800

DMP 槽加工
有孔
T型槽铣刀

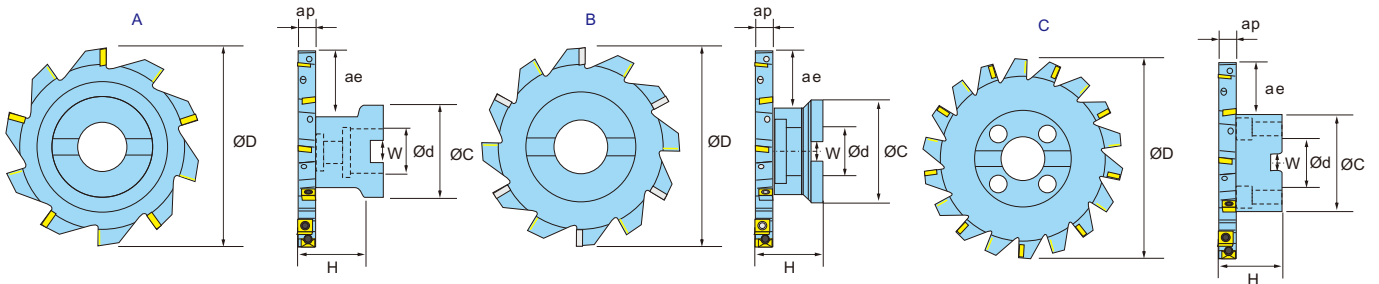
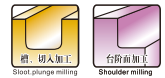


零配件 (Spare Parts): P01-P04

型号 Cat. No	尺寸 Size						刃数 No. of flutes	刀片 Insert	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)
	D	d	D1	L	L1	L2							
DMP06-21-9	21	25	10	100	9	32	1	MPHT0603..	M2.5×6	T8	●	335510	400
DMP06-25-11	25	25	12	100	11	35	1	MPHT0603..	M2.5×6	T8	●	335512	500
DMP08-32-14	32	32	15	110	14	45	2	MPHT0803..	M3×7	T10	●	335514	600
DMP12-40-18	40	32	19	125	18	55	2	MPHT1204..	M5×11	T20	●	335516	700
DMP12-50-22	50	40	25	140	22	65	2	MPHT1204..	M5×11	T20	●	335518	800

DMP 三面刃铣刀(刀盘型)

DMP Three-sided Edge Milling Cutter (cutter Type)



零配件 (Spare Parts): P01-P04

型号 Cat. No	尺寸 Size						齿数 Z	刀片 Insert	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)
	∅D	∅C	∅d	ap	W	H							
DMP06-08008-B22	80	45	22	8	10.4	40	10	MP=T060304	M2.5X6.5	T8	●	335300	1500
DMP06-10008-B27	100	55	27	8	12.4	40	14				●	335302	1600
DMP06-10010-B27	100	55	27	10	12.4	40	14				●	335304	1600
DMP06-12510-B32	125	65	32	10	14.4	50	16				●	335306	1800
DMP08-12512-B32	125	65	32	12	14.4	50	12	MP=T080305	M3X7	T10	●	335308	1800
DMP08-16012-B40	160	89	40	12	16.4	50	14				●	335310	2500
DMP08-20012-B40	200	89	40	12	16.4	50	18				●	335312	3000
DMP12-12512-B32	125	65	32	16	14.4	50	10	MP=T120408	M5X13	T20	●	335314	1800
DMP12-16016-B40	160	89	40	16	16.4	50	12				●	335316	2500
DMP12-16018-B40	160	89	40	18	16.4	50	12				●	335318	2500
DMP12-16020-B40	160	89	40	20	16.4	50	12				●	335320	2500
DMP12-20016-B40	200	89	40	16	16.4	50	14				●	335322	3000
DMP12-20018-B40	200	89	40	18	16.4	50	14				●	335324	3000
DMP12-20020-B40	200	89	40	20	16.4	50	14				●	335326	3000

刀杆
刀盘

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻铣
刀杆

倒角
刀杆

玉米
铣刀

三
面刃
槽刀

快
进给
系列

龙门
平面
铣刀

锁
牙式
刀柄

SPMG 钻孔/槽加工
有孔
铣削加工

切削形态: ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ✖ 不稳定切削 Unstable Cutting

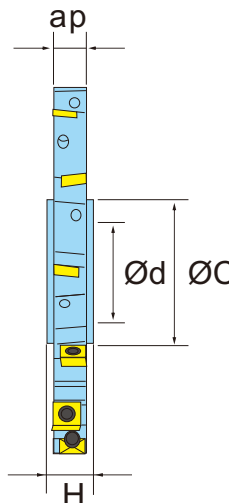
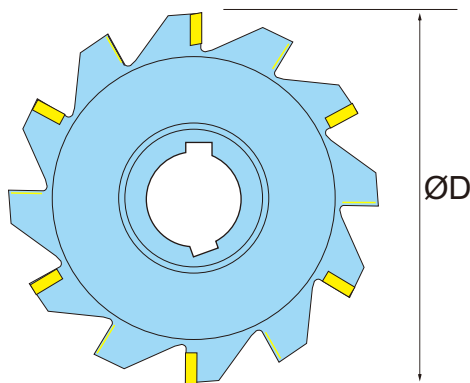
P	钢	Steel	●	●	●	●	●	●
M	不锈钢	Stainless Steel	●	●	●	●	●	●
K	铸铁	Iron	●	●	●	●	●	●
N	铝/铜/镁/锌/塑料/木材	Aluminum/Copper/Magnesium/Zinc/Plastic/Wood	●	●	●	●	●	●
S	硬质合金/粉末冶金	Carbide/Powder Metallurgy	●	●	●	●	●	●
H	钛/高温合金/碳纤维	Titanium/Superalloy/Carbon Fiber	●	●	●	●	●	●

用途 Application	产品图片 Product Image	几何尺寸 Dimensioning	规格型号 Specification	尺寸 Dimension (mm)					配套刀柄 Matching Toolholder	应用材料 Material
				r _c	A	B	T			
铣削刀片 Milling Insert			SPMG 050204-TT	0.4	5.0	5.0	2.38		刀柄: (Toolholder) D77-D78	应用材料: P00 P01 P02 P03 P04 P05 P06 P07 P08 P09 P10 P11 P12 P13
			060204-TT	0.4	6.0	6.0	2.38			
			07T308-TT	0.8	7.94	7.94	3.97			
			090408-TT	0.8	9.8	9.8	4.30			
			110408-TT	0.8	11.5	11.5	4.8			
			140512-TT	1.2	14.3	14.3	5.0			

SMP 三面刃铣刀(卡口型)

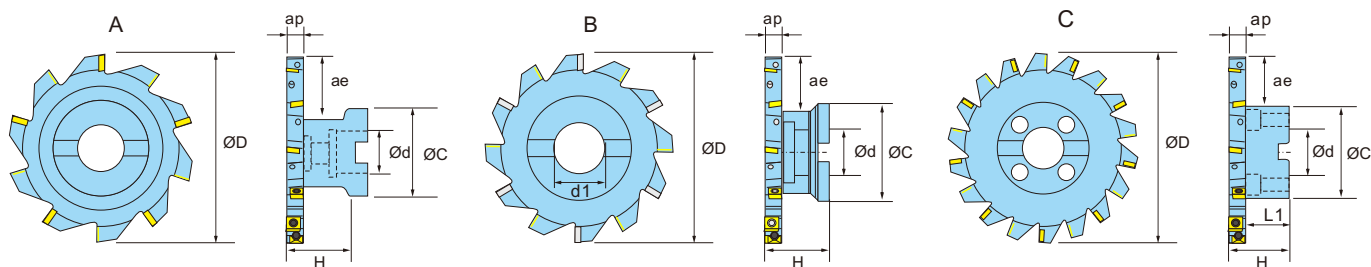
SMP three-sided edge milling cutter (bayonet type)

零件 (Spare Parts): P01-P04



型号 Cat. No	尺寸 Size					刀片 Insert	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)									
	ØD	ap	Ød	H	ØC															
SMP-80-06-8T-K22	80	6	22	12	44	SPMG050204	TS2003	T6	●	335600	1400									
SMP-80-08-8T-K22		8																		
SMP-80-10-8T-K22		10																		
SMP-80-12-8T-K22		12																		
SMP-100-06-10T-K27	100	6	27	16	50	SPMG050204	TS2003	T8	●	335608	1500									
SMP-100-08-10T-K27		8																		
SMP-100-10-10T-K27		10																		
SMP-100-12-10T-K27		12																		
SMP-100-14-10T-K27	14	25	25	25	75	SPMG110408	TS4006	T15	●	335616	1500									
SMP-100-16-10T-K27	16																			
SMP-100-18-10T-K27	18																			
SMP-125-06-12T-K32	125	6	32	20	65	SPMG050204	TS2003	T6	●	335620	1650									
SMP-125-08-12T-K32		8																		
SMP-125-10-12T-K32		10																		
SMP-125-12-12T-K32		12																		
SMP-125-14-12T-K32	14	25	25	25	75	SPMG090408	TS3504	T15	●	335628	1650									
SMP-125-16-12T-K32	16																			
SMP-125-18-12T-K32	18																			
SMP-125-20-10T-K32	20	25	25	25	75	SPMG110408	TS4006	T15	●	335630	1650									
SMP-125-25-10T-K32	25																			
SMP-160-12-16T-K40	12											40	20	75	SPMG07T308	TS2511	T8	●	335638	2300
SMP-160-16-16T-K40	16																			
SMP-160-18-12T-K40	18																			
SMP-160-20-12T-K40	20																			
SMP-160-25-12T-K40	25	25	25	25	75	SPMG090408	TS3504	T15	●	335648	2300									
SMP-200-16-18T-K40	16																			
SMP-200-18-14T-K40	18																			
SMP-200-20-14T-K40	20																			
SMP-200-25-14T-K40	25	25	25	25	80	SPMG140512	TS5009	T20	●	335648	2800									
SMP-200-18-14T-K40	18																			
SMP-200-20-14T-K40	20	25	25	25	80	SPMG110408	TS4006	T15	●	335650	2800									
SMP-200-25-14T-K40	25																			

SMP 三面刃刀盘
有孔
铣槽加工



刀杆
刀盘

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻铣
刀杆

倒角
刀杆

玉米
铣刀

三
面刃
槽刀

快
进给
系列

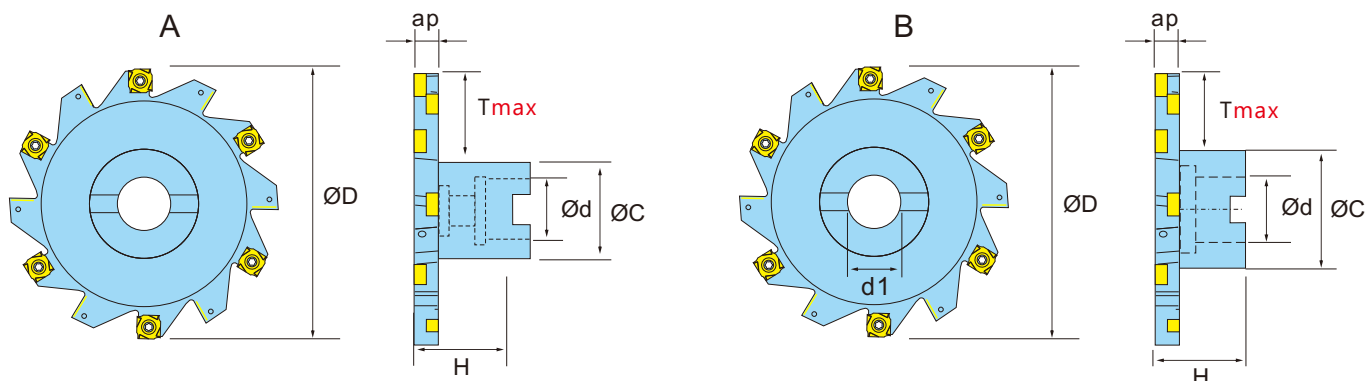
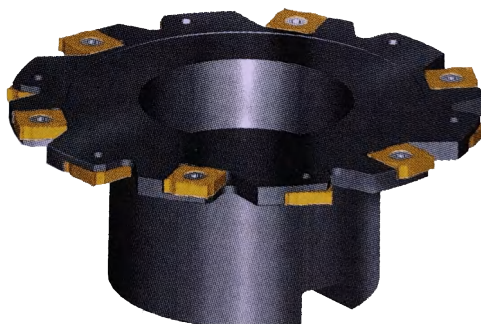
龙门
平面
铣刀

锁
牙式
刀柄

型号 Cat. No	尺寸 Size								刀片 Insert	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)	
	ØD	ap	H	L1	ØC	d1	Ød	T							
SMP-80-06-8T-B22	80	6	40	22	45	32	22	2X4	SPMG050204	TS2003	T6	●	335700	1500	
SMP-80-08-8T-B22		8													10
SMP-80-10-8T-B22		10													
SMP-80-12-8T-B22		12													
SMP-100-06-10T-B27	100	6	40	22	50	32	27	2X5	SPMG050204	TS2003	T8	●	335708	1600	
SMP-100-08-10T-B27		8													
SMP-100-10-10T-B27		10													
SMP-100-12-10T-B27		12													
SMP-100-14-10T-B27		14													
SMP-100-16-10T-B27		16													
SMP-125-06-12T-B32	125	6	45	25	70	46	32	2X6	SPMG050204	TS2003	T6	●	335720	1800	
SMP-125-08-12T-B32		8													
SMP-125-10-12T-B32		10													
SMP-125-12-12T-B32		12													
SMP-125-14-12T-B32		14													
SMP-125-16-12T-B32		16						2X5	SPMG110408	TS4006	T15	●	335732	2500	
SMP-125-18-10T-B32		18													
SMP-125-20-10T-B32		20													
SMP-125-25-10T-B32		25													
SMP-125-25-10T-B32		25													
SMP-160-12-16T-B40	160	12	50	28	80	52	40	2X8	SPMG07T308	TS2511	T8	●	335738	2500	
SMP-160-16-16T-B40		16													
SMP-160-18-12T-B40		18						2X6	SPMG110408	TS4006	T15	●	335742	2500	
SMP-160-20-12T-B40		20													
SMP-160-25-12T-B40		25													
SMP-160-25-12T-B40		25													
SMP-200-16-18T-B40	200	16	50	28	80	52	40	2X9	SPMG090408	TS3504	T15	●	335748	3000	
SMP-200-18-14T-B40		18													
SMP-200-20-14T-B40		20						2X7	SPMG110408	TS4006	T15	●	335752	3000	
SMP-200-25-14T-B40		25													

SMP01

三面刃铣刀盘
有孔
铣削加工



零件 (Spare Parts): P01-P04

型号 Cat. No	尺寸 Size						刀片 Insert 	螺钉 Screw 	扳手 Wrench 	Stock	Order Number	Price (RMB)
	ØD	ap	Ød	H	ØC	Tmax						
SMP01- 063X4-A22-08	63	4	22	40	32	14	XSEQ1202	M4x3.2X	T15	●	335850	1500
063X5-A22-08		5					XSEQ1203	M4x4.2X		●	335852	1500
063X6-A22-08		6					XSEQ12T3	M4x5.1X		●	335854	1500
063X7-A22-08		7					XSEQ1204	M4x6.1X		●	335856	1500
063X8-A22-08		8					XSEQ12T4	M4x7.1X		●	335858	1500
SMP01- 080X4-A22-08	80	4	22	50	40	18	XSEQ1202	M4x3.2X	T15	●	335860	1800
080X5-A22-08		5					XSEQ1203	M4x4.2X		●	335862	1800
080X6-A22-08		6					XSEQ12T3	M4x5.1X		●	335864	1800
080X7-A22-08		7					XSEQ1204	M4x6.1X		●	335866	1800
080X8-A22-08		8					XSEQ12T4	M4x7.1X		●	335868	1800
SMP01- 100X4-A27-10	100	4	27	50	48	23	XSEQ1202	M4x3.2X	T15	●	335870	2000
100X5-A27-10		5					XSEQ1203	M4x4.2X		●	335872	2000
100X6-A27-10		6					XSEQ12T3	M4x5.1X		●	335874	2000
100X7-A27-10		7					XSEQ1204	M4x6.1X		●	335876	2000
100X8-A27-10		8					XSEQ12T4	M4x7.1X		●	335878	2000
SMP01- 125X6-B32-12	125	6	32	50	70	30	XSEQ12T3	M4x5.1X	T15	●	335880	3000
125X7-B32-12		7					XSEQ1204	M4x6.1X		●	335882	3000
125X8-B32-12		8					XSEQ12T4	M4x7.1X		●	335884	3000
SMP01- 160X6-B40-16	160	6	40	50	70	41	XSEQ12T3	M4x5.1X	T15	●	335886	4000
160X7-B40-16		7					XSEQ1204	M4x6.1X		●	335888	4000
160X8-B40-16		8					XSEQ12T4	M4x7.1X		●	335890	4000

刀杆
刀盘

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻头
刀杆

倒角
刀杆

玉米
铣刀

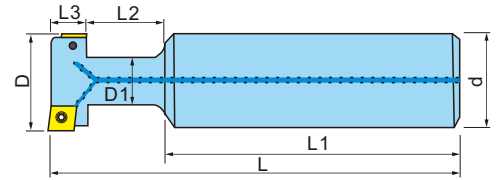
三
面刃
槽刀

快
进给
系列

龙门
平面
铣刀

锁
牙式
刀柄

ATS T型槽铣刀 T-Slot Side Mill

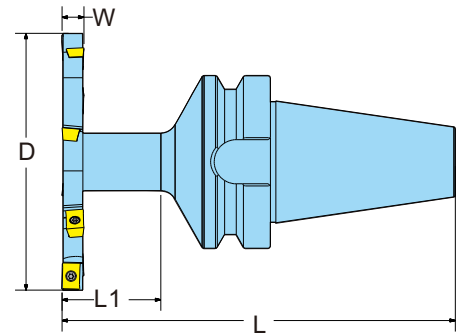


零配件 (Spare Parts): P01-P04

型号 Cat. No	尺寸 Size							刃数 No. of flutes	刀片 Insert	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)
	D	d	D1	L	L1	L2	L3							
ATS-24-11	24	25	12.5	112	80	21	11	2	CCMT060204	M2.5×6	T8	●	335500	300
ATS-31-14	31	32	16	120	77	30	14	4	CCMT080304	M3×7	T10	●	335502	320
ATS-39-18	39	32	20	130	80	32	18	4	CCMT09T308	M4×10	T15	●	335504	350
ATS-49-22	49	32	26	140	80	39	22	4	CCMT120408	M5×11	T20	●	335506	400

890 一体式高速强力T形刀 890 Integrated high power T cutter

零配件 (Spare Parts): P01-P04



- 高刚性一体式结构, 使型腔加工更加轻松!
- ★ High rigid integral structure, so that the cavity processing more easily!

型号 Cat. No	刃数 Blade number	直径 Diameter D	切削宽度 Cutting width w	d	L	刀片 Insert	Stock	Order Number	Price (RMB)
890-220172R98.5-BT40	8	98.5	8	21	36	N331.1A-054508	●	335100	2600
890-220172R96-BT40	8	96	8	21	36		●	335102	2900
890-220172R115-BT40	8	115	8	21	36		●	335104	3400

刀杆
刀盘

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻铣
刀杆

倒角
刀杆

玉米
铣刀

三
面刃
槽刀

快
进给
系列

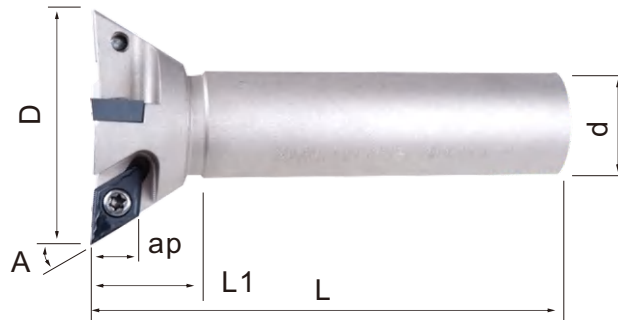
龙门
平面
铣刀

锁
牙式
刀柄



槽铣刀

机夹式三面刃侧铣槽刀 Three sided edge side groove cutter

YWD 燕尾槽铣刀
Dovetail groove milling cutter



🔧 零配件 (Spare Parts): P01-P04

型号 Cat. No	尺寸 Size							刃数 No. of Flutes	刀片 Insert 	螺钉 Screw 	扳手 Wrench 	Stock	Order Number	Price (RMB)
	D	d	L	L1	L	A	ap							
YWD55-25-C16-120-DC07	25	16	120	25				2				●		
YWD55-25-C20-120-DC07	25	20	120	25				2				●		
YWD55-30-C20-120-DC07	30	20	120	25		55°	6.6		DCMT0702	M2.5×6	T8	●		
YWD55-40-C25-160-DC07	40	25	160	25								●		
YWD55-50-C32-160-DC11	50	32	160	30								●		
YWD55-60-C32-160-DC11	60	32	160	30		55°	9.9		DCMT11T3	M4.0×10	T15	●		
YWD55-80-C32-160-DC11	80	32	160	30								●		
YWD60-25-C16-120-DC07	25	16	120	25								●		
YWD60-25-C20-120-DC07	25	20	120	25								●		
YWD60-30-C20-120-DC07	30	20	120	25		60°	6.3		DCMT0702	M2.5×6	T8	●		
YWD60-40-C25-160-DC07	40	25	160	25								●		
YWD60-50-C32-160-DC11	50	32	160	30								●		
YWD60-60-C32-160-DC11	60	32	160	30		60°	9.5		DCMT11T3	M4.0×10	T15	●		
YWD60-80-C32-160-DC11	80	32	160	30								●		
YWD45-40-C20-160-VC11	40	20	160	25								●		
YWD45-50-C25-160-VC11	50	25	160	30								●		
YWD45-60-C32-160-VC11	60	32	160	30		45°	4.0		VCMT1103	M2.5×6	T8	●		
YWD45-80-C32-160-VC11	80	32	160	30								●		

刀杆
刀盘

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻杆
刀杆

倒角
刀杆

玉米
铣刀

三
面刃
槽刀

快
进给
系列

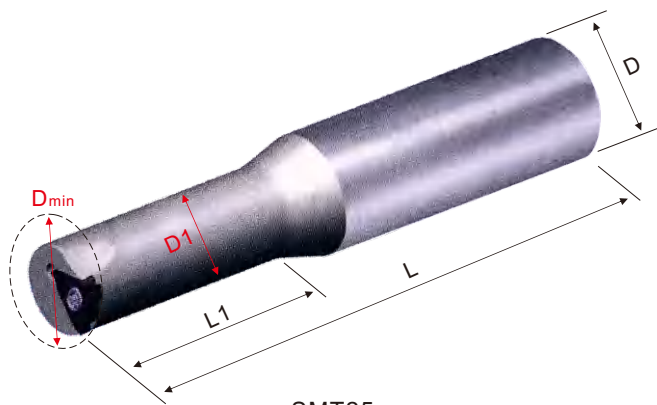
龙门
平面
铣刀

锁
牙式
刀柄

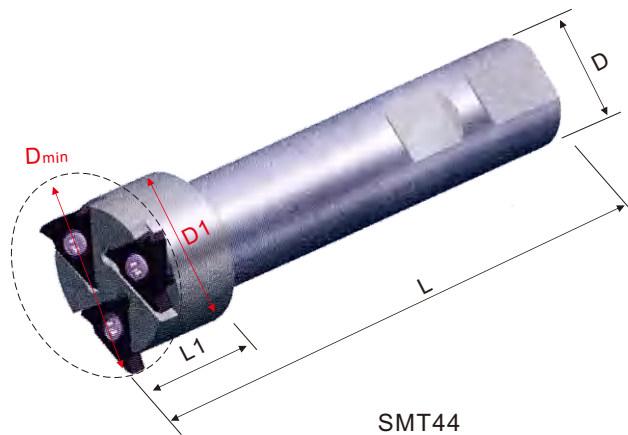
槽铣刀

机夹式三面刃侧铣槽刀 Three sided edge side groove cutter

SMT T型槽
有孔
铣刀



SMT25
SMT32



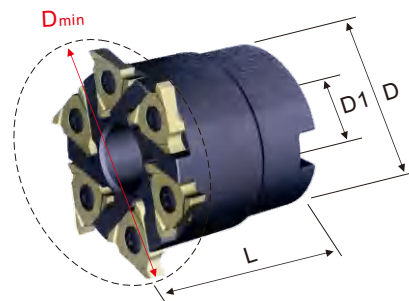
SMT44

零配件 (Spare Parts): P01-P04

型号 Cat. No	尺寸 Size						刃数 No. of flutes	刀片 Insert	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)
	D _{min}	D	D1	L	L1								
SMT 25-25KT32-1	25	25	17	125	56		1	TGF32L	M3.5×10	T15	●	335530	500
32-32KT32-1	32	32	24	125	77		1	TGF32L	M3.5×10	T15	●	335532	600
39-25KT32-3	39	25	30	125	23		3	TT43L	M5×13	T20	●	335534	800
44-25KT43-3	44	25	36	125	23		3	TT43L	M5×13	T20	●	335536	1000

■ SMT T型槽铣刀

T-Slot Side Mill



零配件 (Spare Parts): P01-P04

型号 Cat. No	尺寸 Size						刃数 No. of flutes	刀片 Insert	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)
	D _{min}	D	D1	L									
SMT 63-22T43-6	63	50	22	50			6	TT43L	M5×13	T20	●	335538	900
80-27T43-8	80	50	27	50			8	TT43L	M5×13	T20	●	335539	1200

刀杆
刀盘

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻头
刀杆

倒角
刀杆

玉米
铣刀

三
面刃
槽刀

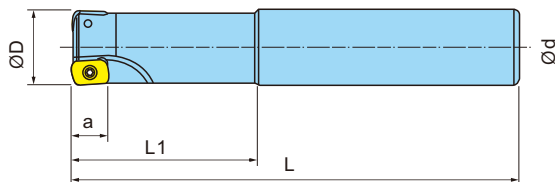
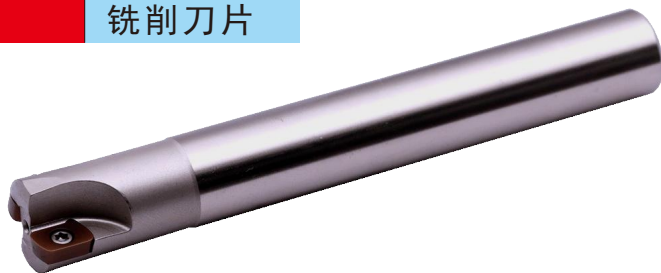
快
进给
系列

龙门
平面
铣刀

锁
牙式
刀柄

ASR

平面高进给
单面有孔
铣削刀片



- 双重夹紧机构刚性好
 - 最适合大进给切削
 - 具有标准冷却孔
 - 刀片为特殊形状的4刃角型号
- ★ Double clamping body rigidity
 - ★ The most suitable for large-feed cutting
 - ★ With standard cooling holes
 - ★ 4 for special shaped blade edge angle

切削参数 (Cutting Parameters): R23-R24
零配件 (Spare Parts): P01-P04

型号 Cat. No	尺寸 Size				刃数 No. of flutes	刀片 Insert	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)	Price (RMB)			
	D	d	L	L1											
ASR06RC16-16-120-2T	16	16	120	40	2	EPNW0603TN-8 EPMT0603TN-8	M2.5×6	T8	●	321500	100	150			
ASR06RC16-16-150-2T	16	16	150	40	2				●	321502	100	160			
ASR06RC16-16-200-2T	16	16	200	50	2				●	321504	133	180			
ASR06RC16-17-120-2T	17	16	120	40	2				●	321506	100	150			
ASR06RC16-17-150-2T	17	16	150	40	2				●	321508	100	160			
ASR06RC16-17-200-2T	17	16	200	50	2				●	321510	133	180			
ASR06RC20-20-120-3T	20	20	120	40	3(2)				●	321512	-	160			
ASR06RC20-20-150-3T	20	20	150	40	3(2)				●	321514	150	170			
ASR06RC20-20-200-3T	20	20	200	50	3(2)				●	321516	183	200			
ASR06RC20-21-120-3T	21	20	120	40	3(2)				●	321518	-	170			
ASR06RC20-21-150-3T	21	20	150	40	3(2)				●	321520	150	170			
ASR06RC20-21-200-3T	21	20	200	50	3(2)				●	321522	183	200			
ASR06RC25-25-150-3T	25	25	150	50	3(4)				●	321524	183	175			
ASR06RC25-25-200-3T	25	25	200	50	3(4)				●	321526	217	225			
ASR06RC25-25-250-3T	25	25	250	60	3(4)				●	321528	250	260			
ASR06RC25-26-150-3T	26	25	150	50	3(4)				●	321530	183	180			
ASR06RC25-26-200-3T	26	25	200	50	3(4)				●	321532	217	240			
ASR06RC25-26-250-3T	26	25	250	60	3(4)				●	321534	250	260			
ASR06RC25-28-180-4T	28	25	180	60	4				●	321536	-	220			
ASR06RC25-30-200-4T	30	25	200	60	4				●	321538	-	260			
ASR06RC25-30-250-4T	30	25	250	60	4				●	321540	-	300			
ASR06RC32-32-150-4T	32	32	150	50	4(5)				●	321542	233	260			
ASR06RC32-32-200-4T	32	32	200	60	4(5)				●	321544	300	285			
ASR06RC32-32-250-4T	32	32	250	60	4(5)				●	321546	367	350			
ASR06RC32-33-160-4T	33	32	160	-	4				●	321548	-	260			
ASR06RC32-33-200-4T	33	32	200	-	4				●	321550	-	285			
ASR06RC32-35-150-4T	35	32	150	50	4(5)				●	321552	267	300			
ASR06RC32-35-200-4T	35	32	200	50	4(5)				●	321554	333	380			
ASR06RC32-35-250-4T	35	32	250	60	4(5)				●	321556	417	450			
ASR06RC32-40-150-4T	40	32	150	50	4(6)				●	321558	300	350			
ASR06RC32-40-200-4T	40	32	200	50	4(6)				●	321560	367	450			
ASR06RC32-40-250-4T	40	32	250	60	4(6)				●	321562	467	600			
ASR08RC20-20-130-2T	20	20	130	50	2				EPNW0803TN-10 EPEW0803TN-10	M3.5×8	T15	●	321564	-	180
ASR08RC20-20-180-2T	20	20	180	100	2							●	321566	-	230
ASR08RC20-20-250-2T	20	20	250	130	2							●	321568	-	280
ASR10RC25-25-140-2T	25	25	140	60	2				EDNW10T3TN-10 EDEW10T3TN-10	M4×9 压板ASR10Y 压板螺丝MS3508	T15	●	321570	-	200
ASR10RC25-25-200-2T	25	25	200	120	2							●	321572	-	260
ASR10RC25-25-300-2T	25	25	300	180	2							●	321574	-	350
ASR13RC32-30-150-2T	30	32	150	70	2				ED..13T4TN-15(Z) ED.W13T4TN-10	M5×10 压板ASR13Y 压板螺丝MS4009	T20	●	321576	-	220
ASR13RC32-30-200-2T	30	32	200	120	2							●	321578	-	300
ASR13RC32-30-300-2T	30	32	300	180	2	●	321580	-				380			
ASR13RC32-32-150-2T	32	32	150	70	2	●	321582	-				280			
ASR13RC32-32-200-2T	32	32	200	120	2	●	321584	-				350			
ASR13RC32-32-300-2T	32	32	300	180	2	●	321586	-				500			

- 刀杆先进行整体热处理(硬度达到48HRC), 然后再精修。避免二次热处理时使刀体产生变形, 从而确保了精度和超强的钢性。
- Arbor before an overall heat treatment (hardness reached 48 HRC), and then intensive. To avoid secondary heat treatment to make cutter body deformation. So as to ensure the accuracy of the tolerance range and superior rigidity.

**ASR
12/15**

平面高进给
单面有孔
铣削刀片

- 经济的ASR型4角型
- 具有超常的切削进给速度深切加工效率 比传统产品提高3~5倍可缩短加工时间削减加工费用
- 刀片采用独特的R形状, 最大切削深度为2mm

Economical ASR type 4-angle type

With extraordinary cutting feed speed, deep cutting efficiency is 3-5 times higher than traditional products, which can shorten processing time and reduce processing costs

The blade has a unique R-shape with a maximum cutting depth of 2mm

刀杆
刀盘

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻铣
刀杆

倒角
刀杆

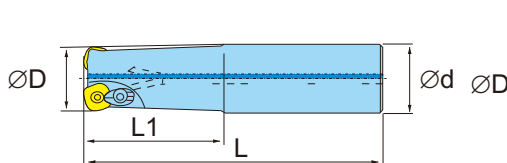
玉米
铣刀

三
面刃
槽刀

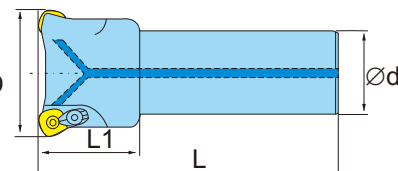
快
进给
系列

龙门
平面
铣刀

锁
牙式
刀柄



D=32mm



D > 32mm

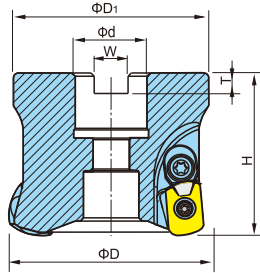
型号 Cat. No	尺寸 Size				刃数 No. of flutes	刀片 Insert 	螺钉 Screw 	扳手 Wrench 	Stock	Order Number	Price (RMB)
	D	d	L	L1							
ASR12RC32-32-150-2T	32	32	150	70	2	SDNW1 205..	M5.0x12	T20	●		
ASR12RC32-32-200-2T	32	32	200	120	2				●		
ASR12RC32-32-250-2T	32	32	250	180	2				●		
ASR12RC32-40-150-3T	40	32	150	70	3				●		
ASR12RC32-40-250-3T	40	32	250	120	3				●		
ASR12RC32-40-300-3T	40	32	300	180	3				●		
ASR12RC32-50-150-4T	50	32	150	80	4				●		
ASR12RC32-50-250-4T	50	32	250	120	4				●		
ASR12RC32-63-150-4T	63	32	150	80	4				●		
ASR12RC32-63-250-4T	63	32	250	120	4				●		
ASR12RC42-50-150-4T	50	42	150	50	4				●		
ASR12RC42-50-250-4T	50	42	250	50	4				●		
ASR12RC42-63-150-4T	63	42	150	50	4				●		
ASR12RC42-63-250-4T	63	42	250	50	4				●		

EPNW
SDNW

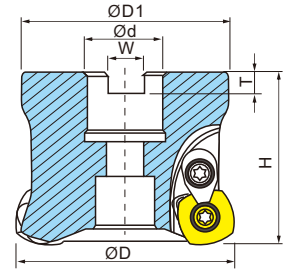
平面高进给
单面有孔
铣削刀片

ASR 快进给壳形铣刀






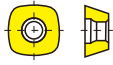
Fast Feed Shell Milling Cutter



ASF



切削参数 (Cutting Parameters): R23-R24
零配件 (Spare Parts): P01-P04

型号 Cat. No	尺寸 Size						刀片 Insert 	压板 Clamp 	螺钉 Screw 	扳手 Wrench 	Stock	Order Number	Price (RMB)		
	D	D1	d	H	W	T									
ASR06R50-22-4T	50	47	22	50	10.4	6.3	 EPNW0603TN-8 EPMT0603TN-8		M2.5×6	T8	●	321700			
ASR06R63-22-4T	63	60	22	50	10.4	6.3								●	321702
ASRF12R50-22-4T	50	47	22	50	10.4	6.3	SDNW1205..	ASRT-15	M5×12	T20	●				
ASRF12R63-22-4T	63	60	22	50	10.4	6.3								●	
ASRF12R80-27-5T	80	70	27	50	12.4	7								●	
ASRF15R80-27-5T	80	70	27	50	12.4	7								●	321704
ASRF15R100-32-5T	100	90	32	50	14.4	8								●	321706
ASRF15R125-40-6T	125	90	40	50	16.4	9	 SDNW1505ZDTN-R15 SDMT1505ZDTN-R15 SDEW1505ZDTN-R15	ASRT-15	M5×12	T20	●	321708			
ASRF15R160-40-8T	160	120	40	50	16.4	9								●	321710
ASRF15R200-60-8T	200	120	60	50	25.7	14								●	321712
ASRF15R200-60-10T	200	120	60	50	25.7	14								●	321714

刀杆
刀盘

直角
台肩
立铣刀

圆角
铣刀

球头
铣刀

钻头
刀杆

倒角
刀杆

玉米
铣刀

三
面刃
槽刀

快
进给
系列

龙门
平面
铣刀

锁
牙式
刀柄

SOMT

平面高进给
单面有孔
铣削刀片

切削形态: ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ✖ 不稳定切削 Unstable Cutting

Code	Material	Material	Stable Cutting	General Cutting	Unstable Cutting
P	钢	Steel	●	●	●
M	不锈钢	Stainless Steel	●	●	●
K	铸铁	Iron	●	●	●
N	铝/铜/镁/锌/塑料/木材	Aluminum/Copper/Magnesium/Zinc/Plastic/Wood	●	●	●
S	硬质合金/粉末冶金	Carbide/Powder Metallurgy	●	●	●
H	钛/高温合金/碳纤维	Titanium/Superalloy/Carbon Fiber	●	●	●

用途 Application	产品图片 Product Image	几何尺寸 Dimensioning	规格型号 Specification	尺寸 Dimension (mm)					配套刀柄 Matching Toolholder	PCDD CBN-K CBN-S ZN60 ZC35 ZC30 ZP150 ZP152 ZP153 ZP163
				rE	A	B	T	a°		
高进给铣削加工 High Feed Milling			SOMT 100420ER-GM 140520ER-GM	2.0 2.0	10.3 14.14	10.3 14.14	4.58 5.56	16° 16°	刀柄: (Toolholder) D89-D90	● ● ● ● ● ●

MFH 快进给铣刀杆 Fast Feed Milling Cutter

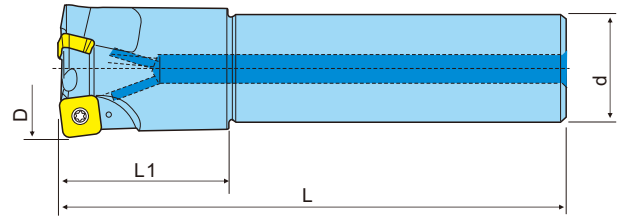
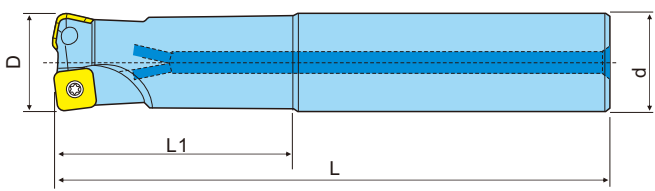


Fig.1

Fig.2

型号 Cat. No	尺寸 Size				刃数 No. of flutes	Fig	刀片 Insert	螺钉 Screw	扳手 Wrench	Stock	Order Number				
	D	d	L	L1											
MFH10R C25-25-150-2T	25	25	150	60	2	Fig.1	SOMT1004	M4.0×9	T15	●					
C32-32-150-2T	32	32	150	70	2					●					
C32-32-200-2T	32	32	200	120	2					●					
C32-32-300-2T	32	32	300	180	2					●					
C32-35-150-3T	35	32	150	50	3	Fig.2				M4.0×9	T15	●			
C32-35-200-3T	35	32	200	50	3							●			
C32-35-300-3T	35	32	300	50	3							●			
C32-40-150-4T	40	32	150	50	4							●			
C32-40-200-4T	40	32	200	50	4	●						M5.0x12	T20	●	
C32-40-250-4T	40	32	250	50	4	●									
C32-40-300-4T	40	32	300	50	4	●									
MFH14R C42-50-150-3T	50	42	150	50	3	Fig.2	SOMT1405	M5.0x12	T20					●	
C42-63-150-4T	63	42	150	50	4									●	
C42-80-150-5T	80	42	150	50	5									●	

MFH 快进给铣刀盘

Fast Feed Milling Cutter

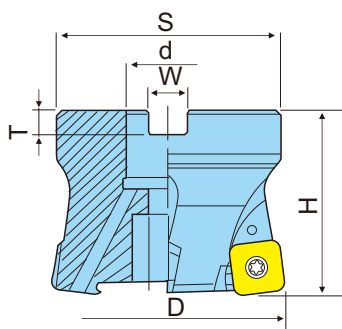


Fig.1

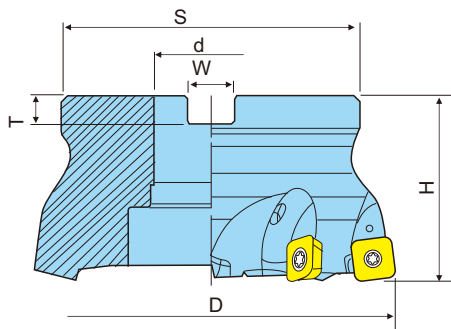


Fig.2

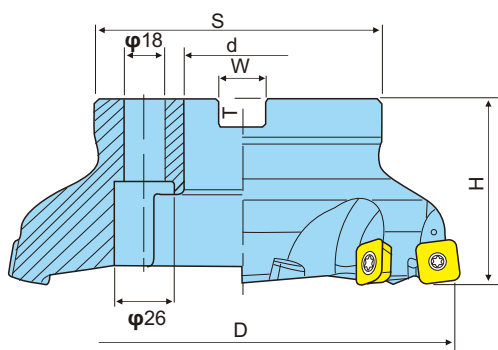
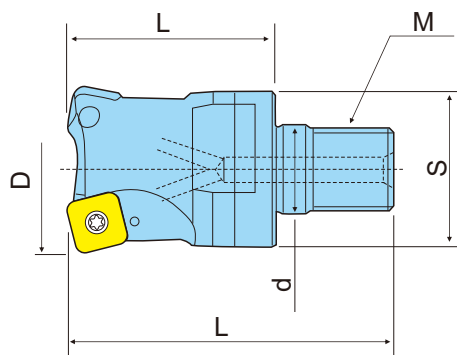


Fig.3

型号 Cat. No	尺寸 Size						Fig	刀片 Insert	压板 Clamp	螺钉 Screw	扳手 Wrench	Stock	Order Number
	D	D1	d	H	W	T							
MFH10R 50-22-4T	50	47	22	50	10.4	6.3	Fig.1	SOMT1004	ASRT-15	M4.0×9	T15	●	
50-22-5T	63	47	22	50	10.4	6.3						●	
63-22-5T	50	60	22	50	10.4	6.3						●	
63-22-6T	63	60	22	50	10.4	6.3						●	
80-27-7T	80	70	27	50	12.4	7						●	
MFH14R 50-22-4T	50	47	22	50	10.4	6.3	Fig.1	SOMT1405	ASRT-15	M5×12	T20	●	
63-22-4T	63	60	22	50	10.4	6.3						●	
63-22-5T	63	60	22	50	10.4	6.3						●	
80-27-5T	80	70	27	50	12.4	7						●	
80-27-6T	80	70	27	50	12.4	7						●	
100-32-6T	100	90	32	50	14.4	8	Fig.2				●		
100-32-7T	100	90	32	50	14.4	8					●		
125-40-7T	125	120	40	50	16.4	9					●		
160-40-8T	160	120	40	50	16.4	9	Fig.3					●	

MFH 快进给锁牙式铣刀头

Fast Feed Milling Cutter



型号 Cat. No	尺寸 Size				刃数 No. of flutes	M	刀片 Insert	螺钉 Screw	扳手 Wrench	Stock	Order Number
	D	d	L	L1							
MFH10R 25-2T-M12	25	12.5	57	35	2	M12	SOMT1004	M4.0×9	T15	●	
28-2T-M12	28	12.5	57	35	2	M12				●	
32-2T-M16	32	17	63	40	2	M16				●	
32-3T-M16	32	17	63	40	3	M16				●	
35-2T-M16	35	17	63	40	2	M16				●	
35-3T-M16	35	17	63	40	3	M16				●	
40-3T-M16	40	17	63	40	3	M16				●	
40-4T-M16	40	17	63	40	4	M16				●	

刀杆
刀盘

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻铣
刀杆

倒角
刀杆

玉米
铣刀

三
面刃
槽刀

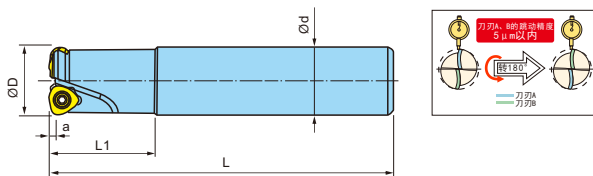
快
进给
系列

龙门
平面
铣刀

锁
牙式
刀柄

AJX

平面高进给
单面有孔
铣削刀片



●高进给，高效率

★ The most suitable for large-feed cutting.

切削参数 (Cutting Parameters): R21
零配件 (Spare Parts): P01-P04

刀杆
刀盘

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻铣
刀杆

倒角
刀杆

玉米
铣刀

三
面刃
槽刀

快
进给
系列

龙门
平面
铣刀

锁
牙式
刀柄

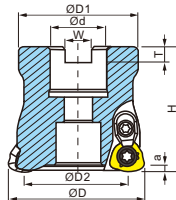
型号 Cat. No	尺寸 Size					刃数 No. of flutes	刀片 Insert	压板 Clamp	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)	Price (RMB)				
	D	d	L	L1	a													
AJX06RC16-16-120-2T	16	16	120	30	1	2	JOMW06T215ZZSR	-	M2.5×6	T8	●	321100	-	150				
AJX06RC16-16-160-2T	16	16	160	40	1	2					●	321102	-	150				
AJX06RC16-17-120-2T	17	16	120	40	1	2					●	321104	-	150				
AJX06RC16-17-160-2T	17	16	160	40	1	2					●	321106	-	150				
AJX06RC16-17-200-2T	17	16	200	50	1	2					●	321108	-	180				
AJX06RC16-18-150-2T	18	16	150	40	1	2					●	321110	-	180				
AJX08RC20-20-160-2T	20	20	160	40	1.5	2	JOMW08320ZZSR	-	M3×7	T10	●	321112	200	165				
AJX08RC20-20-200-2T	20	20	200	50	1.5	2					●	321114	233	225				
AJX08RC20-20-250-2T	20	20	250	60	1.5	2					●	321116	-	280				
AJX08RC20-21-160-2T	21	20	160	40	1.5	2					●	321118	200	165				
AJX08RC20-21-200-2T	21	20	200	50	1.5	2					●	321120	233	225				
AJX08RC20-21-250-2T	21	20	250	60	1.5	2					●	321122	-	280				
AJX08RC20-22-160-2T	22	20	160	40	1.5	2	JOMW09T320ZDSR	AJX-09	M4×10	T15	●	321124	-	200				
AJX08RC20-22-200-2T	22	20	200	50	1.5	2					●	321126	-	260				
AJX09RC25-25-150-2T	25	25	150	40	2	2					●	321128	233	200				
AJX09RC25-25-200-2T	25	25	200	50	2	2					●	321130	267	225				
AJX09RC25-25-250-2T	25	25	250	60	2	2					●	321132	-	285				
AJX09RC25-25-300-2T	25	25	300	60	2	2					●	321134	-	320				
AJX09RC25-26-150-2T	26	25	150	40	2	2	JOMW09T320ZDSR	AJX-09	M4×10	T15	●	321136	233	200				
AJX09RC25-26-200-2T	26	25	200	50	2	2					●	321138	267	225				
AJX09RC25-26-250-2T	26	25	250	60	2	2					●	321140	-	285				
AJX09RC25-26-300-2T	26	25	300	60	2	2					●	321142	-	320				
AJX09RC25-28-160-2T	28	25	160	40	2	2					●	321144	-	220				
AJX09RC25-28-200-2T	28	25	200	50	2	2					●	321146	-	290				
AJX09RC25-28-250-2T	28	25	250	60	2	2					●	321148	-	350				
AJX09RC25-28-300-2T	28	25	300	60	2	2					●	321150	-	400				
AJX09RC25-30-160-2T	30	25	160	40	2	2					●	321152	-	220				
AJX09RC25-30-200-2T	30	25	200	50	2	2					●	321154	-	290				
AJX09RC25-30-250-2T	30	25	250	60	2	2					●	321156	-	350				
AJX09RC25-30-300-2T	30	25	300	60	2	2					●	321158	-	400				
AJX09RC25-32-160-2T	32	25	160	40	2	2					●	321160	-	220				
AJX09RC25-32-200-2T	32	25	200	50	2	2					●	321162	-	290				
AJX09RC25-32-250-2T	32	25	250	60	2	2	●	321164	-	350								
AJX09RC25-32-300-2T	32	25	300	60	2	2	●	321166	-	400								
AJX12RC32-25-160-2T	25	32	160	40	2	2	JDMT120420ZDSR	AJX-12	M4×10	T15	●	321168	-	240				
AJX12RC32-25-200-2T	25	32	200	50	2	2					●	321170	-	270				
AJX12RC32-25-250-2T	25	32	250	60	2	2					●	321172	-	325				
AJX12RC32-25-300-2T	25	32	300	60	2	2					●	321174	-	400				
AJX12RC32-30-160-2T	30	32	160	40	2	2					●	321176	-	240				
AJX12RC32-30-200-2T	30	32	200	50	2	2					●	321178	-	270				
AJX12RC32-30-250-2T	30	32	250	60	2	2					●	321180	-	325				
AJX12RC32-30-300-2T	30	32	300	60	2	2					●	321182	-	400				
AJX12RC32-32-150-3T	32	32	150	40	2	3					●	321184	267	240				
AJX12RC32-32-200-3T	32	32	200	50	2	3					●	321186	317	270				
AJX12RC32-32-250-3T	32	32	250	60	2	3					●	321188	367	325				
AJX12RC32-32-300-3T	32	32	300	60	2	3					●	321190	-	400				
AJX12RC32-33-160-2T	33	32	160	40	2	2					●	321192	-	240				
AJX12RC32-33-200-2T	33	32	200	50	2	2					●	321194	-	270				
AJX12RC32-33-250-2T	33	32	250	60	2	2					●	321196	-	325				
AJX12RC32-35-150-3T	35	32	150	40	2	3					●	321198	267	240				
AJX12RC32-35-200-3T	35	32	200	50	2	3					●	321200	317	270				
AJX12RC32-35-250-3T	35	32	250	60	2	3					●	321202	367	325				
AJX12RC32-35-300-3T	35	32	300	60	2	3					●	321204	-	400				
AJX12RC32-40-150-3T	40	32	150	40	2	3					●	321206	300	300				
AJX12RC32-40-200-3T	40	32	200	50	2	3					●	321208	367	360				
AJX12RC32-40-250-3T	40	32	250	60	2	3					●	321210	433	430				
AJX14RC42-50-180-4T	50	42	180	35	2	4					JDMT140520ZDSR	AJX-14	M5×10	T20	●	321212	-	420

JDMW 平面高进给 单面有孔 铣削刀片

切削形态: ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ✘ 不稳定切削 Unstable Cutting

用途 Application	产品图片 Product Image	几何尺寸 Dimensioning	规格型号 Specification	尺寸 Dimension (mm)				配套刀柄 Matching Toolholder	应用材料
				r _c	A	T	a°		
高进给铣削加工 High feed milling			JOMW 06T215ZZSR-FT 080320ZZSR-FT JDMW 09T320ZDSR-FT 120420ZDSR-FT 140520ZDSR-FT	1.5 2.0 2.0 2.0 2.0	6.35 8.0 9.525 12.0 14.0	2.78 3.18 3.97 4.76 5.56	13° 13° 15° 15° 15°	刀柄: (Toolholder) D91-D92	Steel, Stainless Steel, Iron, Aluminum/Copper/Magnesium/Zinc/Plastic/Wood, Carbide/Powder Metallurgy, Titanium/Superalloy/Carbon Fiber
高进给铣削加工 High feed milling			JOMT 06T215ZZSR-JM 080320ZZSR-JM JDMT 09T320ZDSR-JM 120420ZDSR-JM 140520ZDSR-JM	1.5 2.0 2.0 2.0 2.0	6.35 8.0 9.525 12.0 14.0	2.78 3.18 3.97 4.76 5.56	13° 13° 15° 15° 15°	刀柄: (Toolholder) D91-D92	Steel, Stainless Steel, Iron, Aluminum/Copper/Magnesium/Zinc/Plastic/Wood, Carbide/Powder Metallurgy, Titanium/Superalloy/Carbon Fiber

■ AJX 快进给面铣刀盘 Fast Feed Face Milling Cutter



- 使用15° 正角刀片
- 双重夹紧机构刚性好
- 最适合大进给切削
- 具有标准冷却孔
- 刀片为特殊形状的3刃角型号
- ★ The use of 15° positive angle blade
- ★ Double clamping body rigidity
- ★ The most suitable for large-feed cutting
- ★ With standard cooling holes
- ★ 3 for special shaped blade edge angle

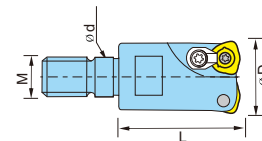
切削参数 (Cutting Parameters): R21
零配件 (Spare Parts): P01-P04

型号 Cat. No	尺寸 Size								刀片 Insert	压板 Clamp	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)	Price (RMB)
	D	D1	D2	d	H	W	T	a								
AJX12R50-22-3T	50	47	38.3	22	50	10.4	6.3	1.5	JDMW120420ZDSR-FT	AJX-12	M4×10	T15	●	321200	283	280
AJX12R50-22-4T	50	47	38.3	22	50	10.4	6.3	1.5					●	321202	317	280
AJX12R63-22-4T	63	30	51.3	22	50	10.4	6.3	1.5					●	321204	483	350
AJX14R63-22-3T	63	30	51.1	22	50	10.4	6.3	2	JDMW140520ZDSR-FT	AJX-14	M5×12	T20	●	321206	283	350
AJX14R63-22-4T	63	30	51.1	22	50	10.4	6.3	2					●	321208	317	350
AJX14R80-27-4T	80	76	68.1	27	50	12.4	7	2					●	321210	483	600
AJX14R100-32-5T	100	96	88.1	32	50	14.4	8	2					●	321212	700	800

■ AJX 高进给铣刀头 AJX High Feed Milling Head

■ 低转速, 高进给
切削效率是普通圆鼻面铣刀盘的3倍
锥形设计, 钢性高

■ Low-speed, high feed
Cutting efficiency of an ordinary cutter round nose and face plate 3 times
Cone design, steel high



切削参数 (Cutting Parameters): R21
零配件 (Spare Parts): P01-P04

型号 Cat. No	尺寸 Size				Teeth	刀片 Insert	压板 Clamp	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)
	D	L	d	M								
AJX06R162AM0830	16	30	8.5	M8	2	JOMW06T215	-	M2.5X6	T8	●	321300	150
AJX06R172AM0830	17	30	8.5	M8	2	ZZSR-FT	-	M2.5X6	T8	●	321302	150
AJX08R202AM1030	20	30	10.5	M10	2	JOMW080320	-	M3X6	T15	●	321304	160
AJX08R212AM1030	21	30	10.5	M10	2	ZZSR-FT	-	M3X6	T15	●	321306	160
AJX08R222AM1030	22	30	10.5	M10	2					●	321308	200
AJX09R252AM1235	25	35	12.5	M12	2	JDMW09T320	AJX09	M3.5X8	T15	●	321310	160
AJX09R262AM1235	26	35	12.5	M12	2	ZDSR-JM				●	321312	200

刀杆
刀盘

直角
台肩
立铣刀

圆角
铣刀

球头
铣刀

钻铣
刀杆

倒角
刀杆

玉米
铣刀

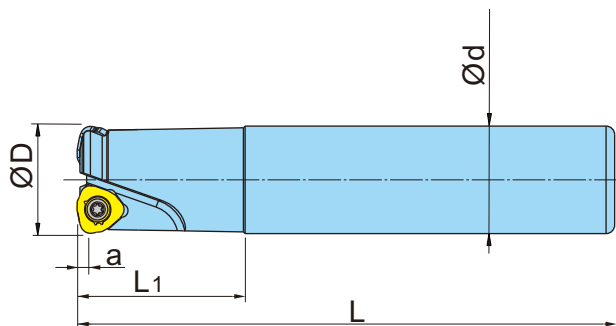
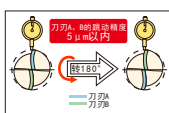
三
面刃
槽刀

快
进给
系列

龙门
平面
铣刀

锁
牙式
刀柄

SKS 快进立铣刀
有孔
铣削刀片



● 最适合大进给切削

★ The most suitable for large-feed cutting.

切削参数 (Cutting Parameters): R22
零配件 (Spare Parts): P01-P04

型号 Cat. No	尺寸 Size					刃数 No. of flutes	刀片 Insert	压板 Clamp	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)	Price (RMB)				
	D	d	L	L1	a													
SKS04RC16-16-150-2T	16	16	150	30	1	2	WOMW04T215	--	M2.5x6	T8	●	321900	-	185				
SKS04RC16-17-70-2T	17	16	70	30	1	2					●	321902	-	180				
SKS04RC16-17-110-2T	17	16	110	30	1	2					●	321904	-	180				
SKS04RC16-17-150-2T	17	16	150	30	1	2					●	321906	-	185				
SKS05RC20-20-130-2T	20	20	130	30	1.5	2	WOMW050316	--	M3x7	T10	●	321908	-	200				
SKS05RC20-20-180-2T	20	20	180	40	1.5	2					●	321910	-	220				
SKS05RC20-20-200-2T	20	20	200	40	1.5	2					●	321912	-	220				
SKS05RC20-20-250-2T	20	20	250	50	1.5	2					●	321914	-	250				
SKS05RC20-21-130-2T	21	20	130	30	1.5	2					●	321916	233	200				
SKS05RC20-21-160-2T	21	20	160	30	1.5	2					●	321918	-	200				
SKS05RC20-21-200-2T	21	20	200	40	1.5	2					●	321920	267	250				
SKS06RC25-25-140-2T	25	25	140	30	2	2					WDMW06T320	SKS-06	M4x10	T15	●	321922	-	240
SKS06RC25-25-160-2T	25	25	160	30	2	2	●	321924	-	240								
SKS06RC25-25-200-2T	25	25	200	40	2	2	●	321926	233	260								
SKS06RC25-25-250-2T	25	25	250	50	2	2	●	321928	-	320								
SKS06RC25-25-300-2T	25	25	300	60	2	2	●	321930	267	380								
SKS06RC25-26-140-2T	26	25	140	30	2	2	●	321932	267	240								
SKS06RC25-26-160-2T	26	25	160	30	2	2	●	321934	317	240								
SKS06RC25-26-200-2T	26	25	200	40	2	2	●	321936	367	260								
SKS06RC32-32-150-3T	32	32	150	30	2	3	●	321938	267	260								
SKS06RC32-32-200-3T	32	32	200	40	2	3	●	321940	317	330								
SKS06RC32-32-250-3T	32	32	250	50	2	3	●	321942	367	380								
SKS06RC32-35-150-3T	35	32	150	30	2	3	●	321944	300	260								
SKS06RC32-35-200-3T	35	32	200	40	2	3	●	321946	367	330								
SKS06RC32-35-250-3T	35	32	250	50	2	3	●	321948	433	380								
SKS06RC32-40-150-3T	40	32	150	30	2	3	●	321950	-	280								
SKS06RC32-40-200-3T	40	32	200	40	2	3	●	321952	-	350								
SKS06RC32-40-250-3T	40	32	250	50	2	3	●	321954	-	420								
SKS08RC32-32-160-2T	32	32	160	40	2	2	WDMW080520	SKS-08	M4.5x10 / M5x11	T15					●	321956	-	280
SKS08RC32-32-200-2T	32	32	200	50	2	2									●	321958	-	320
SKS08RC32-32-250-2T	32	32	250	60	2	2									●	321960	-	380
SKS08RC32-32-300-2T	32	32	300	80	2	2					●	321962	-	450				
SKS08RC32-32-350-2T	32	32	350	90	2	2					●	321964	-	560				
SKS08RC32-33-160-2T	33	32	160	40	2	2					●	321966	-	300				
SKS08RC32-33-200-2T	33	32	200	50	2	2					●	321968	-	320				
SKS08RC32-33-250-2T	33	32	250	60	2	2					●	321970	-	380				
SKS08RC32-33-300-2T	33	32	300	80	2	2					●	321972	-	450				
SKS08RC32-33-350-2T	33	32	350	90	2	2					●	321974	-	560				
SKS08RC32-35-160-2T	35	32	160	40	2	2					●	321976	-	300				
SKS08RC32-35-200-2T	35	32	200	50	2	2					●	321978	-	320				
SKS08RC32-35-250-2T	35	32	250	60	2	2					●	321980	-	380				
SKS08RC32-35-300-2T	35	32	300	80	2	2					●	321982	-	450				
SKS08RC32-35-350-2T	35	32	350	90	2	2					●	321984	-	560				
SKS08RC32-40-160-2T	40	32	160	40	2	2					●	321986	-	330				
SKS08RC32-40-200-2T	40	32	200	50	2	2					●	321988	-	350				
SKS08RC32-40-250-2T	40	32	250	60	2	2					●	321990	-	380				
SKS08RC32-40-300-2T	40	32	300	80	2	2					●	321992	-	460				
SKS08RC32-40-350-2T	40	32	350	90	2	2					●	321994	-	580				

刀杆
刀盘

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻铣
刀杆

倒角
刀杆

玉米
铣刀

三
面刃
槽刀

快
进给
系列


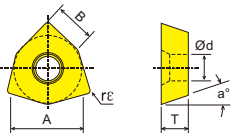
龙门
平面
铣刀

锁
牙式
刀柄

WPGT

平面高进给
单面有孔
铣削刀片

切削形态: ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ✘ 不稳定切削 Unstable Cutting

用途 Application	产品图片 Product Image	几何尺寸 Dimensioning	规格型号 Specification	尺寸 Dimension (mm)					配套刀柄 Matching Toolholder	
				r _φ	A	∅d	T	a°		
高进给铣削加工 High Speed Milling			WPGT 050315ZSR 060415ZSR 080615ZSR 090725ZSR 050315ZSR-PM 060415ZSR-PM 080615ZSR-PM 090725ZSR-PM	1.5	7.94	6	3.5	11°	刀柄: (Toolholder) D96	PCDD CBN-K CBN-S ZN60 ZK01 ZK02 NP10 NP15 NP16
				1.5	9.525		4.2	11°		
				1.5	12.85		6.35	11°		
				2.5	15		7.0	11°		
				1.5	7.94		3.5	11°		
				1.5	9.525		4.2	11°		
				1.5	12.85		6.35	11°		
				2.5	15		7.0	11°		

槽型说明:
ZSR-PM槽型刃口锋利, 适合应用于机床功率不足及不锈钢/钛合金等较粘材料的加工。
ZSR槽型刃口较钝, 适合应用于淬硬钢及铸铁等硬材料加工。

Groove type description:
ZSR-PM has a sharp groove edge, which is suitable for the machining of less power of machine tools and more sticky materials such as stainless steel / titanium alloy.
ZSR groove edge is blunt, which is suitable for hard material processing such as hardened steel and cast iron.

刀杆
刀盘

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻铣
刀杆

倒角
刀杆

玉米
铣刀

三
面刃
槽刀

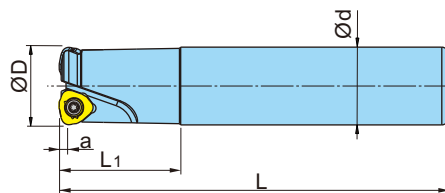
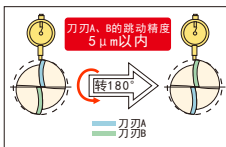
快
进给
系列

龙门
平面
铣刀

锁
牙式
刀柄

■ TXP 快进给立铣刀

TXP High Feedrate End Mill



切削参数 (Cutting Parameters): R19-R21
零配件 (Spare Parts): P01-P04

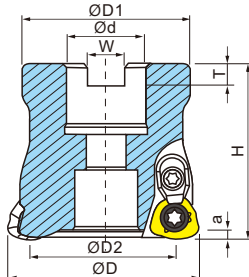
● 最适合大进给切削

★ The most suitable for large-feed cutting.

型号 Cat. No	刃数 No. of flutes	尺寸 Size					刀片 Insert	压板 Clamp	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)
		D	d	L	L1	a							
TXP06RC25-25-160-2T	2	25	25	160	80	2	WPMW06X415ZPR	EXP-06	M4X10	T15	●	322300	240
TXP06RC25-26-200-2T	2	26	25	200	--	2					●	322302	260
TXP06RC32-33-160-3T	3	33	32	160	--	2					●	322304	300
TXP06RC32-33-200-3T	3	33	32	200	--	2					●	322306	320
TXP06RC32-35-200-3T	3	35	32	200	--	2					●	322308	350
TXP06RC32-40-200-3T	3	40	32	200	--	2					●	322310	400
TXP06RC32-40-250-3T	3	40	32	250	--	2					●	322312	450
TXP08RC32-35-200-2T	2	35	32	200	--	2					WPMT080615ZSR	EXP-08	M5X11

■ TXP 快进给面铣刀盘

Fast Feed Face Milling Cutter



- 使用11°正角刀片
- 双重夹紧机构刚性好
- 最适合大进给切削
- 具有标准冷却孔
- 刀片为特殊形状的3刃角型号

- ★ The use of 11° positive angle blade
- ★ Double clamping body rigidity
- ★ The most suitable for large-feed cutting
- ★ With standard cooling holes
- ★ 3 for special shaped blade edge angle

切削参数 (Cutting Parameters): R19-R21
零配件 (Spare Parts): P01-P04

型号 Cat. No	尺寸 Size								刀片 Insert	压板 Clamp	螺钉 Screw	扳手 Wrench	Stock	Order Number	Price (RMB)	Price (RMB)
	D	D1	D2	d	H	W	T	a								
TXP06R50-22-4T	50	47	41.4	22	50	10.4	6.3	1.5	WPMW06X415ZPR	TXP-06	M4×10	T15	●	322400	-	280
TXP08R50-22-3T	50	47	38.6	22	50	10.4	6.3	1.5	WPMT080615ZSR	TXP-08	M5×11	T20	●	322402	283	280
TXP08R63-22-4T	63	59	51.6	22	50	10.4	6.3	1.5					●	322404	317	350
TXP08R80-27-4T	80	70	68.6	27	50	12.4	7	1.5					●	322406	483	600
TXP08R100-32-6T	100	90	88.6	22	50	14.4	8	1.5					●	322408	700	800

刀杆
刀盘

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻头
刀杆

倒角
刀杆

玉米
铣刀

三
面刃
槽刀

快
进给
系列

龙门
平面
铣刀

锁
牙式
刀柄

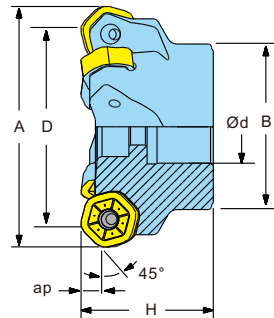
HNGX 正六边形
有孔双面
铣削刀片

刀片(Insert):
HNGX0906ANSN-M ZP163
Ap:0.5-4.5 (mm)
Fz:0.07-0.9 (mm/rev)
Vc:100-300 (m/min)

切削形态: ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ✖ 不稳定切削 Unstable Cutting

应用 Application	产品图片 Product Image	几何尺寸 Dimensioning	规格型号 Specification	尺寸 Dimension (mm)					配套刀柄 Matching Toolholder	应用材料 Material
				r _φ	A	B	C	T		
平面铣削加工 Surface Milling			HNGX 0906ANSN-M 0906ANSN-R	1.2	15.88	9	1.8	5.56	刀柄: (Toolholder) D97	P 钢 Steel M 不锈钢 Stainless Steel K 铸铁 Iron N 铝/铜/镁/锌/塑料/木材 Aluminum/Copper/Magnesium/Zinc/Plastic/Wood S 硬质合金/粉末冶金 Carbide/Powder Metallurgy H 钛/高温合金/碳纤维 Titanium/Superalloy/Carbon Fiber

■ KSHR 12角刀盘 KSHR 12 Angle Cutter



- 每个刀片12个切削刃
- 内冷标准
- 切削轻快

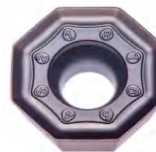
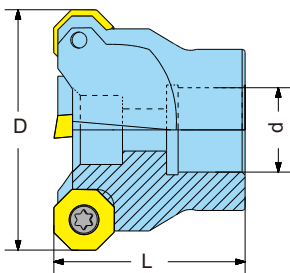
- ★ Each blade 12 cutting edges
- ★ Internal cooling standard
- ★ The cutting easy

切削参数 (Cutting Parameters): R19-R21
零配件 (Spare Parts): P01-P04

规格型号 Specification	尺寸 Dimensions (mm)					刃数 Edges	重量 (kg)	刀片 Insert	螺钉 Screw	扳手 Wrench	库存 Stock	编码 Code	Price (RMB)
	D	d	A	B	ap max								
KSHR 40A04RS45HN09	40	22	51	39	4.5	4	0.25	HNGX0906..	M4.5×12	T20	●	322710	1167
50A04RS45HN09	50	22	61	38	4.5	4	0.32				●	322712	1167
50A05RS45HN09	50	22	61	38	4.5	4	0.33				●	322714	1200
63A04RS45HN09	63	22	74	50	4.5	4	0.60				●	322716	1283
63A06RS45HN09	63	22	74	50	4.5	6	0.56				●	322718	1680
63A07RS45HN09	63	22	74	50	4.5	7	0.57				●	322720	1700
80A06RS45HN09	80	27	91	60	4.5	6	1.12				●	322722	1750
80A08RS45HN09	80	27	91	60	4.5	8	1.07				●	322724	2217
80A09RS45HN09	80	27	91	60	4.5	9	1.11				●	322726	2300
100B06RS45HN09	100	32	111	80	4.5	6	1.73				●	322728	1983
100B08RS45HN09	100	32	111	80	4.5	8	1.68				●	322730	2520
100B11RS45HN09	100	32	111	80	4.5	11	1.73				●	322732	2600
125B06RS45HN09	125	40	136	90	4.5	6	2.84				●	322734	2053
125B08RS45HN09	125	40	136	90	4.5	8	2.77				●	322736	2520
125B10RS45HN09	125	40	136	90	4.5	10	2.86				●	322738	2987
160C08RS45HN09	160	40	171	110	4.5	8	4.75				●	322740	2987
160C10RS45HN09	160	40	171	110	4.5	10	4.56				●	322742	3337
160C12RS45HN09	160	40	171	110	4.5	12	4.70				●	322744	3920
200C12RS45HN09	200	60	211	130	4.5	12	6.43				●	322746	4153
250C14RS45HN09	250	60	261	130	4.5	14	9.93				●	322748	7700
315C16RS45HN09	315	60	326	230	4.5	16	22.9				●	322750	10600

OD 八角刀盘

OD Octagonal Cutter



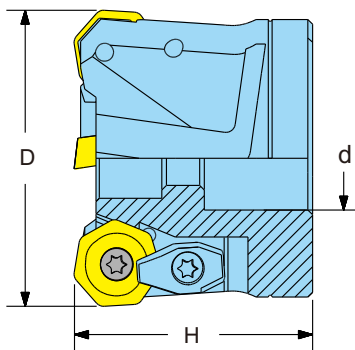
- 采用15° 正角刀片
 - 大进给低切削阻力
 - 八角刀粒，经济性好
- ★ Using the 15 degree angle blade
 - ★ High feed low cutting resistance
 - ★ The octagonal tablets, the economy is good

切削参数 (Cutting Parameters): R19-R21
零配件 (Spare Parts): P01-P04

型号 Cat. No	直径 Diameter	内径 Inside diameter	总长 Long	刃数 Blade number	刀片 Insert	Stock	Order Number	Price (RMB)
OD-63-22-4T	63	22	50	4	ODMT060508	●	322700	300
OD-80-27-5T	80	27	50	5		●	322702	550
OD-100-32-6T	100	32	63	6		●	322704	750
OD-125-40-8T	125	40	63	8		●	322706	950

HEP 系列七角面铣刀盘

HEP Series Seven Angle Face Milling Cutter



- 高效大进给，七角经济性好!
- ★ High feed, seven angle good economy!

切削参数 (Cutting Parameters): R19-R21
零配件 (Spare Parts): P01-P04

型号 Cat. No	刃数 Blade number	直径 D Diameter	内孔 d Inner hole	高度 H Height	端面直径 Face diameter	重量 Weight	刀片 Insert	Stock	Order Number	单价 Price
HEP-4063R-08-22	4	63	22	50	60	1.1	XDMT080620	●	322600	460
HEP-5080R-08-27	5	80	27	55	76	1.9		●	322602	800
HEP-6100R-08-32	6	100	32	60	96	3.6		●	322604	1050
HEP-7125R-08-40	7	125	40	65	100	5.5		●	322606	1400
HEP-8160R-08-40	8	160	40	65	100	8.4		●	322608	1800
HEP-9200R-08-60	9	200	60	65	140	10.2		●	322610	2570

刀杆
刀盘

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻铣
刀杆

倒角
刀杆

玉米
铣刀

三
面刃
槽刀

快
进给
系列

龙门
平面
铣刀

锁
牙式
刀柄

PNMU
平面高进给
单面有孔
铣削刀片

切削形态: ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ✶ 不稳定切削 Unstable Cutting

应用 Application	产品图片 Product Image	几何尺寸 Dimensioning	规格型号 Specification	尺寸 Dimension (mm)					配套刀柄 Matching Toolholder	PCBN-K CBN-S CBN-5 ZN60 ZK01 ZK32 ZP150 ZP152 ZP153 ZP163
				A	H	Ød	W1	W2		
高进给铣削加工 High feed milling			PNMU 0905XNER-GM	14.6	5.56	4.7	2.0	2.0	刀柄: (Toolholder) D99-D100	●●●●

刀杆
刀片
直角
台肩
立铣刀

圆角
铣刀

球头
铣刀

钻铣
刀杆

倒角
刀杆

玉米
铣刀

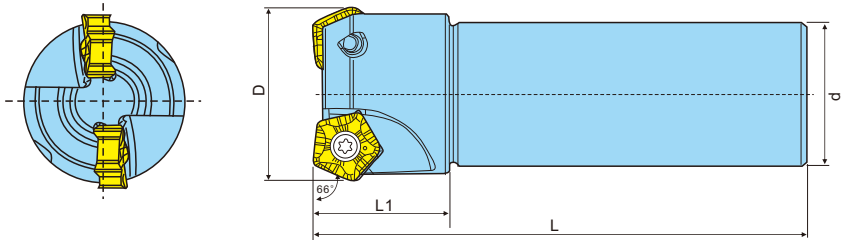
三
面刃
槽刀

快
进给
系列

龙门
平面
铣刀

锁
牙式
刀柄

MFPN66 双面10角面铣刀 Double sided 10 corner milling cutter



型号 Cat. No	尺寸 Size				刃数 No. of flutes	Fig	刀片 Insert	螺钉 Screw	扳手 Wrench	Stock	Order Number
	D	d	L	L1							
MFPN66RC32-32-110-2T	32	32	110	30	2		PNMU..GM	M4.0×9	T15	●	
C32-40-110-3T	40	32	110	30	3					●	

推荐切削参数 Recommended cutting parameters

加工材料 Processing materials		进给 Feed (fz mm/t)	推荐刀片材质 (切削速度Vc m/min) Recommended blade material (cutting speed Vc m/min)	
			MEGACOAT (PVD涂层硬质合金) MEGACOAT (PVD coated hard alloy)	
			ZP150	ZP163
碳钢	Carbon steel	0.1~0.2~0.3	120~180~250	120~180~250
合金钢	Alloy steel	0.1~0.2~0.3	100~160~220	100~160~220
模具钢	Die steel	0.1~0.18~0.25	80~140~180	80~140~180
奥氏体系不锈钢	Austenitic stainless steel	0.1~0.18~0.25	100~160~200	100~150~200
马氏体系不锈钢	Martensitic stainless steel	0.1~0.18~0.25	100~150~200	
沉淀硬化系不锈钢	Precipitation Hardening Stainless Steel	0.1~0.18~0.25	90~120~150	
灰口铸铁	Gray iron	0.1~0.2~0.3		120~180~250
球墨铸铁	Ductile iron	0.1~0.18~0.25		100~150~200
镍基耐热合金	Nickel based heat-resistant alloy	0.1~0.12~0.2	20~30~50	

MFPN66 双面10角面铣刀盘 Double sided 10 corner milling cutter disc

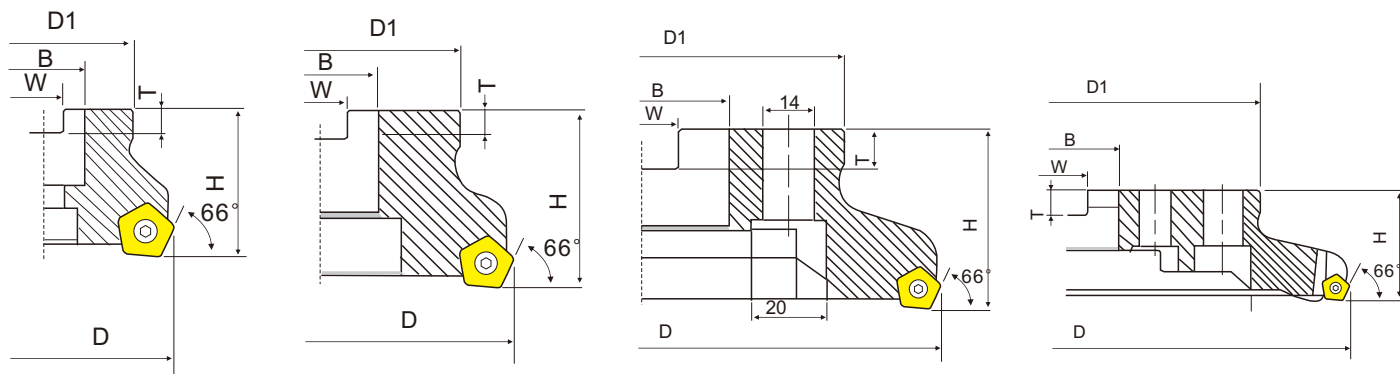





Fig.1

Fig.2

Fig.3

Fig.4

型号 Cat. No	尺寸 Size							刀片 Insert 	螺钉 Screw 	扳手 Wrench 	Stock	Order Number	Price (RMB)			
	D	D1	d	H	W	T	Fig									
MFPN66R50-22-4T	50	47	22	40	10.4	6.3	Fig.1	PNMU 0905..GM	M4.0×9	T15	●					
50-22-5T	50	47	22	40	10.4	6.3					●					
63-22-5T	63	47	22	40	10.4	6.3					●					
63-22-7T	63	47	22	40	10.4	6.3					●					
80-27-6T	80	70	27	50	12.4	7					●					
80-27-9T	80	70	27	50	12.4	7					●					
100-32-7T	100	80	32	50	14.4	8					Fig.2	M4.0×9	T15	●		
100-32-11T	100	80	32	50	14.4	8								●		
125-40-9T	125	90	40	63	16.4	9								●		
125-40-13T	125	90	40	63	16.4	9								●		
160-40-11T	160	90	40	63	16.4	9					Fig.3	M4.0×9	T15	●		
160-40-15T	160	90	40	63	16.4	9								●		
200-60-13T	200	140	60	63	25.7	14								●		
200-60-17T	200	140	60	63	25.7	14								●		
250-60-15T	250	140	60	63	25.7	14								●		
250-60-19T	250	140	60	63	25.7	14	●									
315-60-17T	315	220	60	63	25.7	14	Fig.4			●						

刀杆
刀盘

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻头
刀杆

倒角
刀杆

玉米
铣刀

三
面刃
槽刀

快
进给
系列

龙门
平面
铣刀

锁
牙式
刀柄

PNMU

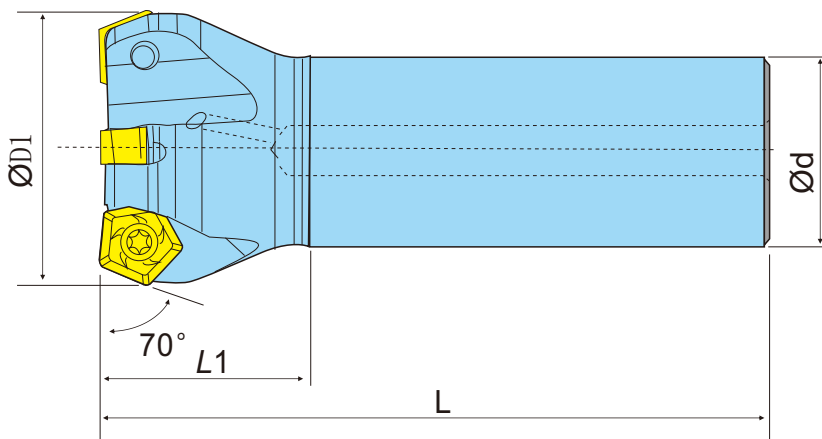
平面高进给
单面有孔
铣削刀片

切削形态: ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ✖ 不稳定切削 Unstable Cutting

Application 用途	产品图片 Product Image	几何尺寸 Dimensioning	规格型号 Specification	尺寸 Dimension (mm)					配套刀柄 Matching Toolholder	PCD CBN-K CBN-S ZN60 ZK01 ZC32 ZP150 ZP153 ZP163
				A	H	Ød	W1	R		
高进给铣削加工 High feed milling			PNMU 0905GNEN-JL	12.2	5.9	4.7	1.4	0.8	刀柄: (Toolholder) D101-D102	●●●●●

TEN09R 双面10角面铣刀

Double sided 10 corner milling cutter



零配件 (Spare Parts): P01-P04

型号 Cat. No	尺寸 Size				刃数 No. of flutes	Fig	刀片 Insert 	螺钉 Screw 	扳手 Wrench 	Stock	Order Number
	D	d	L	L1							
TEN09R C32-32-115-3T	38	32	115	35	3				●		
C32-40-115-4T	46	32	115	35	4				●		
C32-50-120-4T	56	32	120	40	4	PNMU...JL	M4.0×10	T15	●		
C32-63-120-6T	69	32	120	40	6				●		
C32-80-120-7T	86	32	120	40	7				●		

刀杆
刀盘

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻铣
刀杆

倒角
刀杆

玉米
铣刀

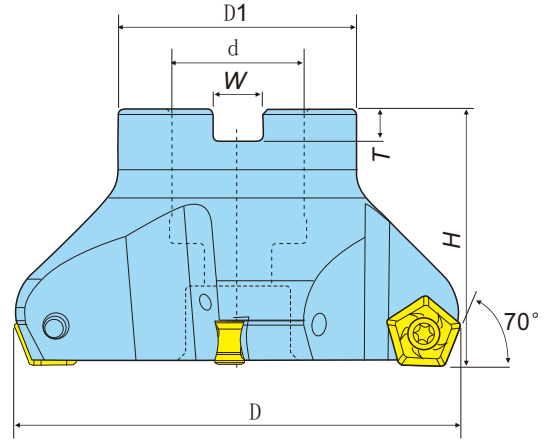
三
面刃
槽刀

快
进给
系列




龙门
平面
铣刀

锁
牙式
刀柄

TEN90R 双面10角面铣刀盘 Double sided 10 corner milling cutter disc



零配件 (Spare Parts): P01-P04

型号 Cat. No	尺寸 Size							刀片 Insert 	螺钉 Screw 	扳手 Wrench 	Stock	Order Number	Price (RMB)
	D	D1	d	H	W	T	Fig						
TEN90R 50-22-3T	50	47	22	40	10.4	6.3	PNMU 0905...JL	M4.0×10	T15	●			
50-22-4T	50	47	22	40	10.4	6.3				●			
50-22-6T	50	47	22	40	10.4	6.3				●			
63-22-4T	63	47	22	40	10.4	6.3				●			
63-22-6T	63	47	22	40	10.4	6.3				●			
63-22-8T	63	47	22	40	10.4	6.3				●			
80-27-4T	80	70	27	50	12.4	7				●			
80-27-8T	80	70	27	50	12.4	7				●			
80-27-10T	80	70	27	50	12.4	7				●			
100-32-5T	100	80	32	50	14.4	8				●			
100-32-8T	100	80	32	50	14.4	8				●			
100-32-12T	100	80	32	50	14.4	8				●			
125-40-6T	125	90	40	63	16.4	9				●			
125-40-10T	125	90	40	63	16.4	9				●			
125-40-16T	125	90	40	63	16.4	9				●			
160-40-7T	160	90	40	63	16.4	9				●			
160-40-12T	160	90	40	63	16.4	9				●			
160-40-20T	160	90	40	63	16.4	9				●			
200-60-12T	200	140	60	63	25.7	14				●			
250-60-16T	250	140	60	63	25.7	14				●			

刀杆
刀盘

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻铣
刀杆

倒角
刀杆

玉米
铣刀

三
面刃
槽刀

快
进给
系列

龙门
平面
铣刀

锁
牙式
刀柄

TFBL 机夹式快进给立铣刀刀盘-双面四角刀片

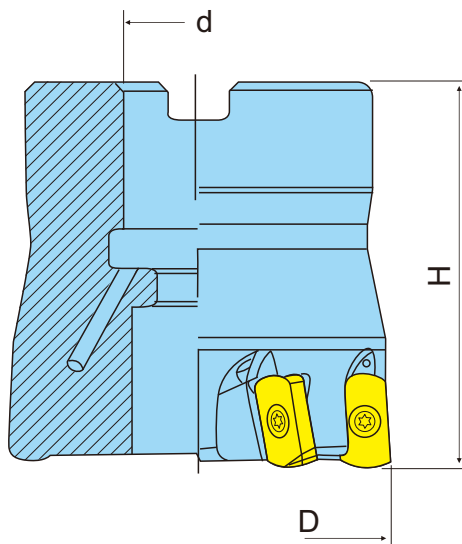
Clip-Type Fast Feed End Milling Cutter Head
-Double-Sided Four Corners Insert



Ap:0.3-0.8 (mm)
Fz:0.9-1.0 (mm/rev)
Vc:120-160 (m/min)

- 特点: 高进给, 高效率
- ★ Characteristic: High Feed, High Efficiency

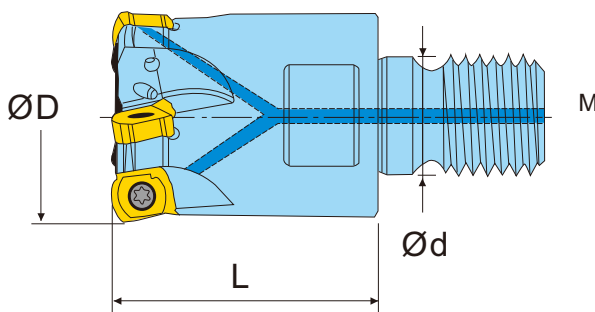
🔧 零配件 (Spare Parts):P01-P04



型号 Cat. No	尺寸 Size				刃数 No. of flutes	Fig	刀片 Insert	螺钉 Screw	扳手 Wrench	Stock	Order Number
	D	d	H								
TFBL06R 40-22-6T	40	22	40		6					●	337117
50-22-7T	50	22	45		7	BLMP0603..	M2.5×6	T8		●	337118
63-22-8T	63	22	45		8					●	337119
TFBL09R 50-22-6T	50	22	50		6					●	
63-22-7T	63	22	50		7					●	
80-27-8T	80	27	50		8	BLMP0904..	M3.5×9	T15		●	
100-32-10T	100	32	60		10					●	
125-40-12T	125	40	60		12					●	

TEBL 快进给锁牙式刀头-双面四角刀片

Fast feed locking bit - double sided four corner blade



- 特点: 高进给, 高效率
- ★ Characteristic: High Feed, High Efficiency

🔧 零配件 (Spare Parts):P01-P04

型号 Cat. No	尺寸 Size				刃数 No. of flutes	Fig	刀片 Insert	螺钉 Screw	扳手 Wrench	Stock	Order Number
	D	d	L	M							
TEBL06R 16-2T-M08	16	13	25	M8	2					●	337120
20-3T-M10	20	18	30	M10	3					●	337121
25-4T-M12	25	21	35	M12	4	BLMP0603..	M2.5×6	T8		●	337122
32-5T-M16	32	29	40	M16	5					●	337123
35-5T-M16	35	29	43	M16	5					●	337125
42-6T-M16	42	29	43	M16	6					●	337127
TEBL09R 25-2T-M12	25	21	35	M12	2					●	
25-3T-M12	25	21	35	M12	3					●	
26-3T-M12	26	21	35	M12	3					●	
30-3T-M12	30	21	43	M12	3					●	
32-3T-M16	32	29	43	M16	3					●	
32-4T-M16	32	29	43	M16	4	BLMP0904..	M3.5×9	T15		●	
33-4T-M16	33	29	43	M16	4					●	
35-3T-M16	35	29	43	M16	3					●	
35-4T-M16	35	29	43	M16	4					●	
40-4T-M16	40	29	43	M16	4					●	
40-5T-M16	40	29	43	M16	5					●	
42-5T-M16	42	29	43	M16	5					●	

刀杆
刀盘

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻头
刀杆

倒角
刀杆

玉米
铣刀

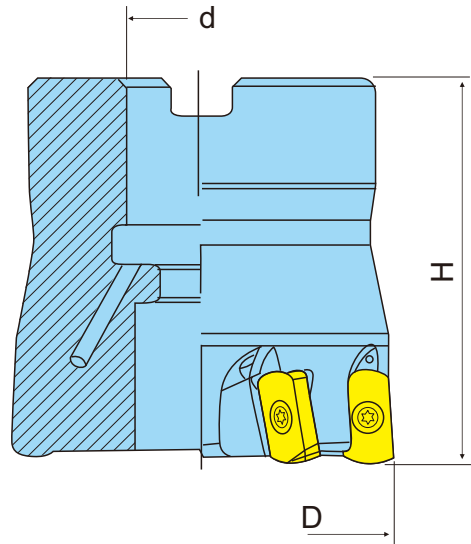
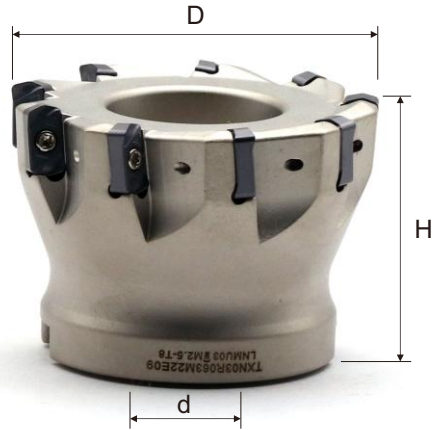
三
面刃
槽刀

快
进给
系列

龙门
平面
铣刀

锁
牙式
刀柄

EXN03R 机夹式快进给立铣刀刀盘-双面四角刀片 Clip-Type Fast Feed End Milling Cutter Head -Double-Sided Four Corners Insert

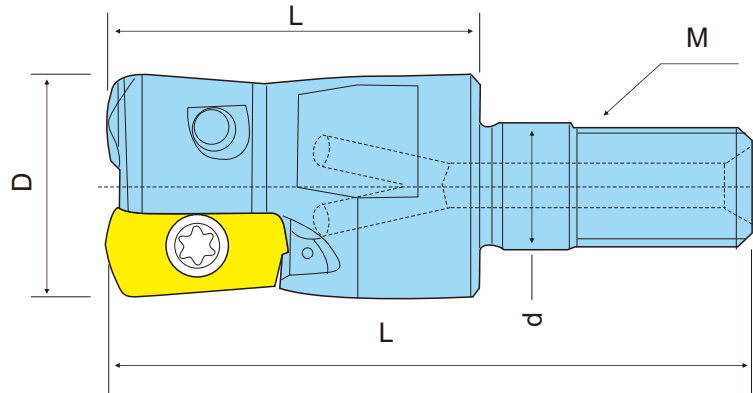


- 特点: 高进给, 高效率
- ★ Characteristic: High Feed, High Efficiency

零配件 (Spare Parts): P01-P04
切削参数 (Cutting Parameters): D109-D110

型号 Cat. No	尺寸 Size				刃数 No. of flutes	Fig	刀片 Insert	螺钉 Screw	扳手 Wrench	Stock	Order Number
	D	d	H								
EXN03R 40-16-6T	40	16	40		6					●	337180
50-22-8T	50	22	45		8		LNMU0303..	M2.5×6	T8	●	337182
63-22-9T	63	22	45		9					●	337184

EXN03R 快进给锁牙式刀头-双面四角刀片 Fast feed locking bit - double sided four corner blade



- 特点: 高进给, 高效率
- ★ Characteristic: High Feed, High Efficiency

零配件 (Spare Parts): P01-P04
切削参数 (Cutting Parameters): D109-D110

型号 Cat. No	尺寸 Size				刃数 No. of flutes	Fig	刀片 Insert	螺钉 Screw	扳手 Wrench	Stock	Order Number
	D	d	L	M							
EXN03R 17-2T-M08	17	13	25	M8	2					●	337190
20-2T-M10	20	18	30	M10	2					●	337191
21-2T-M10	21	18	30	M10	2					●	337192
25-2T-M12	25	21	35	M12	2					●	337193
26-2T-M12	26	21	35	M12	2					●	337195
32-3T-M16	32	29	40	M16	3					●	337197
35-3T-M16	35	29	40	M16	3					●	337198

刀杆
刀盘

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻头
刀杆

倒角
刀杆

玉米
铣刀

三
面刃
槽刀

快
进给
系列

龙门
平面
铣刀

锁
牙式
刀柄

LOGU

平面高进给
双面有孔
铣削刀片

刀片(Insert):
LNMU0303ZER ZP153
Ap:0.06-6.0 (mm)
Fz:0.02-0.30 (mm/rev)
Vc:100-200 (m/min)

切削形态: 稳定切削 Stable Cutting 一般切削 General Cutting 不稳定切削 Unstable Cutting

Application 用途	产品图片 Product Image	几何尺寸 Dimensioning	规格型号 Specification	尺寸 Dimension (mm)				配套刀柄 Matching Toolholder	P0D CBM-H CBM-S ZN60 ZK01 ZN25 ZN25S ZP150 ZP153 ZP153
				r _ε	A	B	T		
高进给铣削加工 High feed milling			LNMU030310ER-GM	1.0	11.9	6.2	3.96	刀柄: (Toolholder) D107-D108	•••••

刀杆
刀盘

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻铣
刀杆

倒角
刀杆

玉米
铣刀

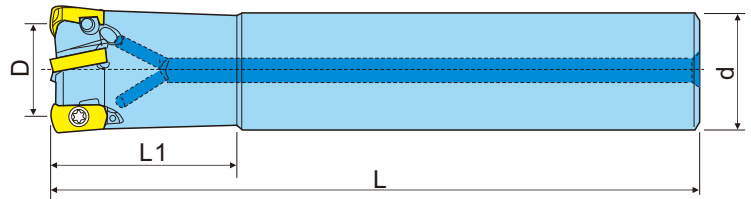
三
面刃
槽刀

快
进给
系列

龙门
平面
铣刀

锁
牙式
刀柄

MFH03R 机夹式快进给立铣刀-双面四角刀片 Clip-Type Fast Feed End Milling Cutter -Double-Sided Four Corners Insert



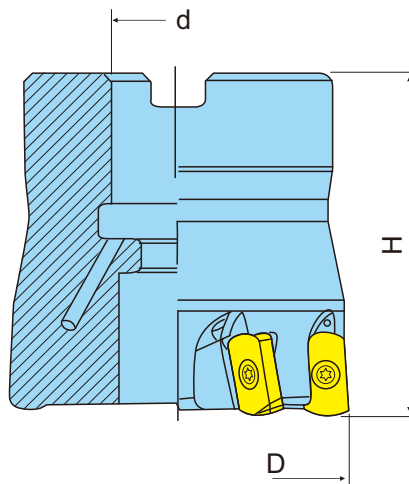
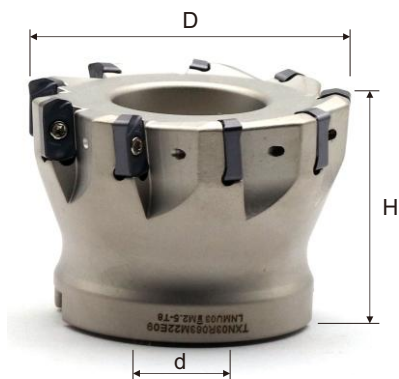
- 特点: 高进给, 高效率
- ★ Characteristic: High Feed, High Efficiency

零配件 (Spare Parts): P01-P04
切削参数 (Cutting Parameters): D109-D110

型号 Cat. No	尺寸 Size				刃数 No. of flutes	Fig	刀片 Insert	螺钉 Screw	扳手 Wrench	Stock	Order Number
	D	d	L	L1							
MFH03R C16-16-120-2T	16	16	120	30	2					•	
C16-16-160-2T	16	16	160	50	2					•	
C16-16-200-2T	16	16	200	80	2					•	
C16-17-120-2T	17	16	120	30	2					•	
C16-17-160-2T	17	16	160	30	2					•	
C16-17-200-2T	17	16	200	30	2					•	
C20-20-160-3T	20	20	160	50	3					•	
C20-20-200-3T	20	20	200	80	3					•	
C20-21-160-3T	21	20	160	30	3					•	
C20-21-200-3T	21	20	200	30	3					•	
C25-25-160-3T	25	25	160	60	3					•	
C25-25-200-3T	25	25	200	100	3					•	
C25-26-160-3T	26	25	160	40	3					•	
C25-26-200-3T	26	25	200	40	3					•	
C32-32-160-5T	32	32	160	70	5					•	
C32-32-200-5T	32	32	200	120	5					•	
C32-33-160-5T	33	32	160	40	5					•	
C32-33-200-5T	33	32	200	40	5					•	
C32-33-250-5T	33	32	250	50	5					•	
C32-35-160-5T	35	32	160	40	5					•	
C32-35-200-5T	35	32	200	40	5					•	
C32-35-250-5T	35	32	250	50	5					•	
C32-40-160-6T	40	32	160	40	6					•	
C32-40-200-6T	40	32	200	40	6					•	

MFH03R 机夹式快进给立铣刀刀盘-双面四角刀片

Clip-Type Fast Feed End Milling Cutter Head
-Double-Sided Four Corners Insert






● 特点：高进给，高效率

★ Characteristic: High Feed, High Efficiency

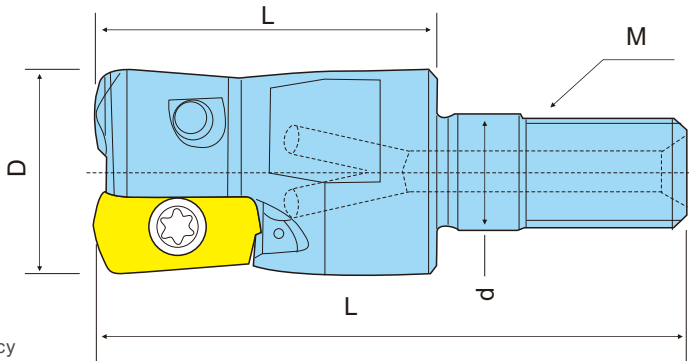
🔧 零配件 (Spare Parts): P01-P04

切削参数 (Cutting Parameters): D109-D110

型号 Cat. No	尺寸 Size				刃数 No. of flutes	Fig	刀片 Insert 	螺钉 Screw 	扳手 Wrench 	Stock	Order Number
	D	d	H								
MFH03R 40-16-6T	40	16	40		6					●	
50-22-8T	50	22	45		8		LOGU0303..	M3.0×6.5	T8	●	
63-22-9T	63	22	45		9					●	

MFH03R 快进给锁牙式刀头-双面四角刀片

Fast feed locking bit - double sided four corner blade






● 特点：高进给，高效率

★ Characteristic: High Feed, High Efficiency

🔧 零配件 (Spare Parts): P01-P04

切削参数 (Cutting Parameters): D109-D110

型号 Cat. No	尺寸 Size				刃数 No. of flutes	Fig	刀片 Insert 	螺钉 Screw 	扳手 Wrench 	Stock	Order Number
	D	d	L	M							
MFH03R 16-2T-M08	16	13	25	M8	2					●	
17-2T-M08	17	13	25	M8	2					●	
20-2T-M10	20	18	30	M10	2					●	
21-2T-M10	21	18	30	M10	2					●	
25-2T-M12	25	21	35	M12	2					●	
26-2T-M12	26	21	35	M12	2					●	
32-3T-M16	32	29	40	M16	3					●	
35-3T-M16	35	29	40	M16	3		LOGU0303..	M3.0×6.5	T8	●	

刀杆
刀盘

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻头
刀杆

倒角
刀杆

玉米
铣刀

三
面刃
槽刀

快
进给
系列

龙门
平面
铣刀

锁
牙式
刀柄

■ 斜降加工参考表 Reference table for inclined descent machining

型号 Model	刀盘径DCX (mm) Knife disc diameter	16	17	18	20	22	25	28	32	40	50
MFH03...	最大倾斜角度 RMPX Maximum tilt angle	2.8°	2.5°	2.1°	1.7°	1.4°	1.2°	1°	0.8°	0.5°	0.4°
	tan RMPX	0.049	0.042	0.037	0.03	0.024	0.021	0.017	0.014	0.009	0.007

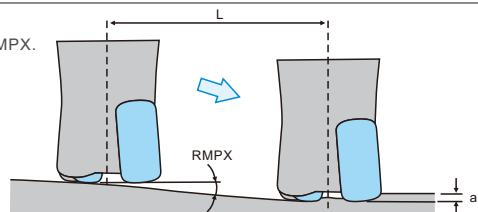
■ 斜降加工注意点 Precautions for inclined descent machining

斜降加工的角度请设定在RMPX以下。 Please set the angle of oblique descent machining below RMPX.
 请将进给设定为标准的70%以下。 Please set the feed to below 70% of the standard.

根据最大倾斜角度计算
 切削长度L的计算公式

$$L = \frac{ap}{\tan RMPX}$$

Calculated based on maximum tilt angle
 Calculation formula for cutting length L

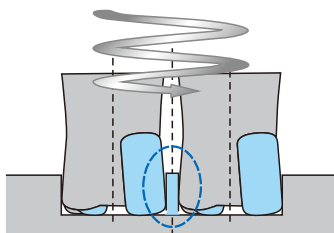


■ 螺旋加工注意点 Precautions for spiral machining

螺旋加工时请在最小~最大加工孔直径范围内进行加工。
 When spiral machining, please process within the range of minimum to maximum machining hole diameter.

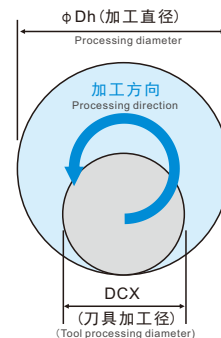
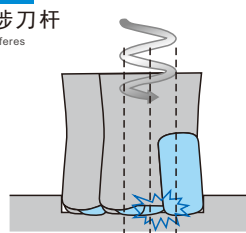
⊙ 超过最大加工径
 Exceeding the maximum machining diameter

螺旋中心处有残留芯
 Residual core at the center of the spiral



⊙ 不足最小加工径
 Insufficient minimum machining diameter

中央的切削残余部干涉刀杆
 The residual cutting part in the center interferes with the tool holder



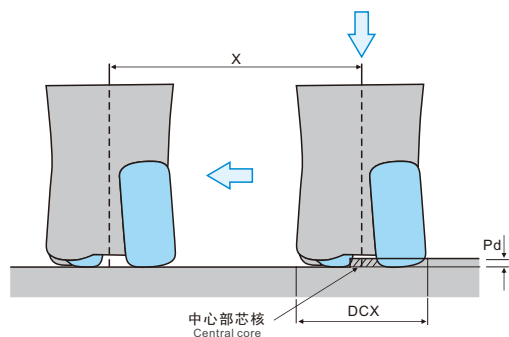
型号 Model	最小加工孔直径 Minimum machining hole diameter	最大加工孔直径 Maximum machining hole diameter
MFH03-...	2×DCX-8	2×DCX-2

单位: mm

- 每转下沉深度请设定低于最大纵切深ap (1.0mm)。
- 请逆时针(下切)方向旋转刀盘。(参考上图)
- 工作台进给请设定在推荐参数的50%以下。
- 有可能发生切屑延伸拉长, 请注意在安全环境下加工。

- Please set the sinking depth below the maximum longitudinal cutting depth ap (1.0mm) per revolution.
- Please rotate the cutterhead counterclockwise (downward cutting). (Refer to the above figure)
- Please set the feed of the workbench below 50% of the recommended parameters.
- There is a possibility of chip extension and elongation, please pay attention to processing in a safe environment.

■ 深孔加工的注意点 Precautions for deep hole machining



型号 Model	GM型/GH型	
	最大加工深度Pd Maximum machining depth Pd	底面铣平时最小切削长度X Minimum cutting length X during bottom milling
MFH03-...	1.0	DCX-9

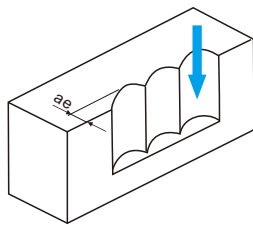
单位: mm

※沉孔加工后, 继续进行横向进给加工时, 可以利用内刃(主偏角80°部分)直切削完切削残余部分为止, 所以工作台进给设定在推荐参数的25%以下。
 ※沉孔加工时, 轴向进给速度设定为0.2mm/rev以下。

※After the countersunk machining, when continuing the transverse feed machining, the inner edge (with a main deviation angle of 80°) can be used to directly cut the remaining part until the cutting is completed. Therefore, the feed of the workbench is set below 25% of the recommended parameters.
 ※When processing countersunk holes, the axial feed speed is set to below 0.2mm/rev.

■ 关于垂直(插铣)加工 About Vertical (Insert Milling) Machining

垂直(插铣)加工 Vertical (milling) machining



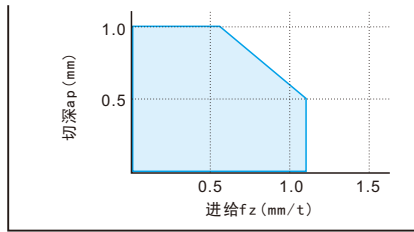
- 可垂直(插铣)加工 · Capable of vertical (insert milling) processing

刀片型号 Blade model	最大切宽(ae) Maximum cutting width
LOGU03型	3.5mm

- 垂直(插铣)加工时的进给请设定在fz=0.2 (mm/t) 以下。
- Please set the feed during vertical (insert milling) machining below fz=0.2 (mm/t).

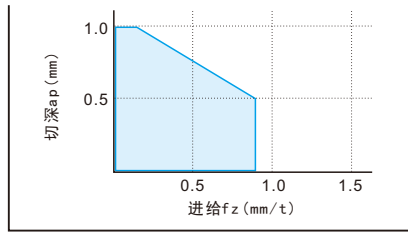
■ 切削能力 Cutting ability

标准刃规格(刀盘径 $\phi 16 \sim \phi 22$)
Standard blade specifications



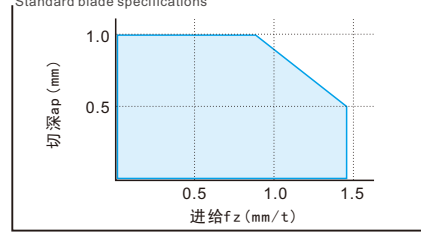
MFH..16-2T, MFH..17-2T, MFH..18-2T
MFH..20-3T, MFH..22-3T,

多刃规格
Multi blade specifications



MFH..20-4T, MFH..22-4T, MFH..25-5T
MFH..28-5T, MFH..32-6T

面铣刀($\phi 40 \sim \phi 50$) Face milling cutter
标准刃规格(刀盘径 $\phi 25 \sim \phi 32$)
Standard blade specifications



MFH..25-4T, MFH..28-4T, MFH..32-5T
MFH..40-... , MFH..50-...

注: 多刃规格与标准刃规格相比需要降低推荐参数 Note: Compared to standard blade specifications, the recommended parameters need to be reduced for multi blade specifications

■ 推荐切削参数 Recommended cutting parameters

刀片形状 Blade shape	加工材料 Processing materials	刀杆型号与进给(进给fz mm/t) ※ap=0.5mm的推荐进给(基准值) Tool holder model and feed (Feed fz mm/t) ※ Recommended feed with ap=0.5mm (reference value)								推荐刀片材质(切削速度Vc m/min) Recommended blade material (cutting speed Vc m/min)					
		MFH..16-2T	MFH..20-3T	MFH..20-4T	MFH..25-4T	MFH..25-5T	MFH..32-5T	MFH..32-5T	MFH..R-03	MEGACOAT NANO			MEGACOAT NANO	CVD涂层硬质合金 CVD coated hard alloy	
GM GH	碳钢 Carbon steel	0.2~0.7~1.2		0.2~0.5~0.8	0.2~0.8~1.5	0.2~0.5~0.8	0.2~0.8~1.5	0.2~0.5~0.8	0.2~0.8~1.5	○	●				
	合金钢 Alloy steel									○	●				
	模具钢 (~40HRC) Die steel	0.2~0.5~0.9		0.2~0.4~0.6	0.2~0.6~1.2	0.2~0.4~0.6	0.2~0.6~1.2	0.2~0.4~0.6	0.2~0.6~1.2	○	○		GH○		
	模具钢 (40~50HRC) Die steel	0.2~0.3~0.5		0.2~0.25~0.3	0.2~0.3~0.6	0.2~0.25~0.3	0.2~0.3~0.6	0.2~0.25~0.3	0.2~0.3~0.6		○		GH○		
	模具钢 (50~55HRC) Die steel	0.1~0.3~0.5		0.1~0.2~0.3	0.1~0.3~0.5	0.1~0.2~0.3	0.1~0.3~0.5	0.1~0.2~0.3	0.1~0.3~0.5		○		GH○		
	模具钢 (55~60HRC) Die steel	0.03~0.06~0.1 (※仅推荐GH断屑槽)											GH○		
	奥氏体系不锈钢 Austenitic stainless steel									GM●	GM○				
	马氏体系不锈钢 Martensitic stainless steel	0.2~0.5~0.9		0.2~0.6~1.2	0.2~0.4~0.6	0.2~0.4~0.6	0.2~0.6~1.2	0.2~0.4~0.6	0.2~0.6~1.2	○					●
	沉淀硬化系不锈钢 Precipitation Hardening Stainless Steel									●					
	灰口铸铁 Gray iron	0.2~0.7~1.2		0.2~0.8~1.5	0.2~0.5~0.8	0.2~0.8~1.5	0.2~0.5~0.8	0.2~0.8~1.5			●				
球墨铸铁 Ductile iron	0.2~0.5~0.9		0.2~0.4~1.2	0.2~0.4~0.6	0.2~0.4~0.6	0.2~0.6~1.2	0.2~0.4~0.6	0.2~0.6~1.2		●					
镍基耐热合金 Nickel based heat-resistant alloy	0.2~0.3~0.6		0.2~0.25~0.4	0.2~0.25~0.4	0.2~0.25~0.4	0.2~0.4~0.8	0.2~0.25~0.4	0.2~0.4~0.8	○					●	
钛合金 Titanium alloy									●		GM●				

※镍基耐热合金、钛合金推荐湿式加工。
切削参数中的粗体字为推荐参数的中心值。根据实际工况、在范围内调整切削速度、进给。
在加工中心进行BT30相当的加工时、进给推荐设为推荐参数的25%以下。
切槽加工时推荐内冷以及中心冷却。
面铣刀不推荐用于切槽加工或型腔加工。

※Nickel based heat-resistant alloys and titanium alloys are recommended for wet processing.
The bold characters in the cutting parameters are the center values of the recommended parameters.
Adjust the cutting speed and feed within the range according to the actual working conditions.
When performing BT30 equivalent machining in the machining center, the recommended feed is set to less than 25% of the recommended parameters.
Internal cooling and central cooling are recommended during groove cutting processing. Face milling cutters are not recommended for groove cutting or cavity machining.

■ 加工程序上的注意点(近似R的设定)

Points to note on the machining program (setting of approximate R)

形状 Form	近似R (mm) Approximate R	最大过切量 (mm) Maximum overshoot	最大切削余量 (mm) Maximum cutting allowance
	R1.0	0	0.51
	R1.5	0	0.41
	R1.6(推荐)	0	0.39
	R20	0.09	0.31

主偏角度12°

Principal deviation angle 12°

刀杆
刀盘

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻铣
刀杆

倒角
刀杆

玉米
铣刀

三
面刃
槽刀

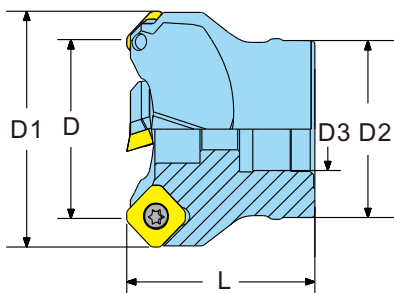
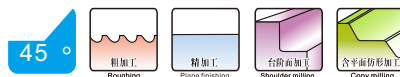
快
进给
系列

龙门
平面
铣刀

锁
牙式
刀柄

ASX445 铣刀盘

ASX445 Cutter



- 大前角刀片，切削负荷小
- 装有硬质合金刀垫，刀粒切削刚性更好
- ★ Before the big angle blade, cutting load
- ★ A hard alloy cutter pad, cutting better rigidity

切削参数 (Cutting Parameters): D117
零配件 (Spare Parts): P01-P04

型号 Cat. No	刃数 Blade number	大径 D1 Largest diameter	切削径 D Cutting size	端面直径 D2 End face diameter	内径 D3 Inside diameter	总长 L Long	刀片 Insert	Stock	Order Number	Price (RMB)
ASX445R/L50-22-3T	3						SEMT13T3	●	331200	350
50-22-4T	4	63	50	47	22	50		●	331202	350
50-22-5T	5							●	331204	400
ASX445R/L63-22-4T	4							●	331206	350
63-22-5T	5	76	63	47	22	50		●	331208	350
63-22-6T	6							●	331210	400
ASX445R/L80-27-4T	4							●	331212	480
80-27-5T	5	93	80	58	27	50		●	331214	480
80-27-6T	6							●	331216	600
80-27-8T	8							●	331218	700
ASX445R/L100-32-5T	5							●	331220	750
100-32-6T	6	113	100	76	32	50		●	331222	750
100-32-7T	7							●	331224	800
100-32-10T	10							●	331226	900
ASX445R/L125-40-6T	6							●	331228	900
125-40-7T	7	138	125	87	40	63		●	331230	900
125-40-8T	8							●	331232	1000
125-40-12T	12							●	331234	1200
ASX445R/L160-40-7T	7							●	331236	1500
160-40-10T	10	173	160	100	40	63		●	331238	1500
160-40-16T	16						●	331240	2000	
ASX445R/L200-40-8T	8						●	331242	2200	
200-40-12T	12	212.9	200	175	40	63	●	331244	2600	
ASX445R/L250-60-10T	10	262.9	250	220	60	63	●	331246	2800	
250-60-14T	14						●	331248	3200	

*刀垫Shim: SSS445N;刀垫螺丝Screw: MDS5035;扳手Wrench: PL35;压紧螺丝Screw: MS3512B;压紧扳手Wrench: T15

刀杆
刀盘

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻铣
刀杆

倒角
刀杆

玉米
铣刀

三
面刃
槽刀

快
进给
系列

龙门
平面
铣刀

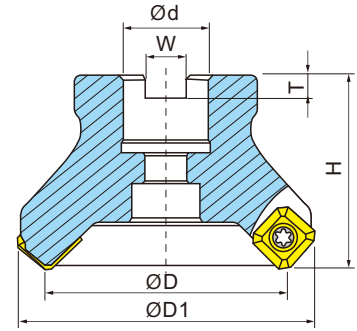
锁
牙式
刀柄

45°面铣

机夹式平面铣削刀具 Clamp type flat milling tool

KM

机夹式45°
有孔
平面立铣刀盘



切割参数 (Cutting Parameters): D117
零配件 (Spare Parts): P01-P04

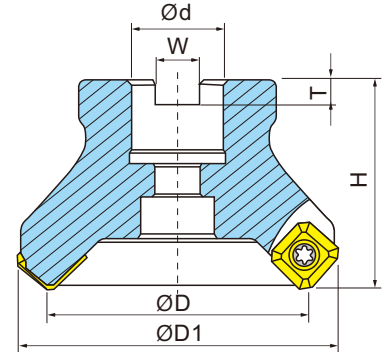
- 适配钢件、铸件、铝件多种材质刀片，适切范围广
- 容屑空间大，排屑好
- 可适用平面铣削的精加工
- 大前角，切削负荷小

- ★ Fit steel, castings, aluminum pieces of various materials blade, the relevance of a wide range of
- ★ Capacity chip a large space, good chip disposal
- ★ Planar milling finishing applicable
- ★ Large rake angle, cutting a small load

规格型号 Specification	尺寸 Dimensions (mm)						刃数 Edges	刀片 Insert	螺钉 Screw	扳手 Wrench	库存 Stock	编码 Code	Price (RMB)
	D	D1	d	H	W	T							
KM12R50-22-4T	50	64	22	50	10.4	6.3	4	SE..1204..	M5.0×11	T20	●	331500	240
KM12R63-22-4T	63	77	22	50	10.4	6.3	4				●	331502	280
KM12R80-27-5T	80	94	27	50	12.4	7	5				●	331504	400
KM12R100-32-5T	100	114	32	50	14.4	8	5				●	331506	600
KM12R125-40-6T	125	139	40	63	16.4	9	6				●	331508	750
KM12R160-40-6T	160	174	40	63	16.4	9	6				●	331510	1150
KM12R200-60-8T	200	210	60	63	25.7	14	8				●	331512	1600
KM12R250-60-10T	250	260	60	63	25.7	14	10				●	331514	2100
KM12R300-60-12T	300	310	60	65	25.7	14	12				●	331516	-
KM12R50-25.4-4T	50	64	25.4	50	10	6	4				●	331518	-
KM12R63-25.4-4T	63	77	25.4	50	10	6	4				●	331520	280
KM12R80-25.4-5T	80	94	25.4	50	10	6	5				●	331522	400
KM12R100-31.75-5T	100	114	31.75	50	13	8	5				●	331524	600

AL-KM 机夹式45°平面立铣刀盘-铝制高光

45° Planar End Milling Cutter Head with Machine Clamp
-Aluminum High Gloss



切割参数 (Cutting Parameters): D117
零配件 (Spare Parts): P01-P04

- 特点：铝材壳体，重量轻，45°高光效率高

- ★ Features: Aluminum Shell, Light Weight, 45° High Polishing Efficiency

规格型号 Specification	尺寸 Dimensions (mm)						刃数 Edges	刀片 Insert	螺钉 Screw	扳手 Wrench	库存 Stock	编码 Code	Price (RMB)
	D		d	H	W	T							
AL-KM12-50-22-4T	50		22	50	10.4	6.3	4	SE..1204..	M5.0×11	T20	●	331550	260
AL-KM12-63-22-4T	63		22	50	10.4	6.3	4				●	331552	320
AL-KM12-80-22-6T	80		22	50	12.4	7	6				●	331554	440
AL-KM12-80-27-5T	80		27	50	12.4	7	5				●	331556	440
AL-KM12-80-27-6T	80		27	50	12.4	7	6				●	331558	440
AL-KM12-100-22-6T	100		22	50	14.4	7	6				●	331560	750
AL-KM12-100-27-6T	100		27	50	14.4	8	6				●	331562	750
AL-KM12-100-32-5T	100		32	50	14.4	8	5				●	331564	750
AL-KM12-100-32-6T	100		32	50	14.4	8	6				●	331566	750
AL-KM12-125-22-6T	125		22	63	16.4	8	6				●	331568	1165
AL-KM12-125-27-6T	125		27	63	16.4	9	6				●	331570	1165
AL-KM12-125-32-6T	125		32	63	16.4	9	6				●	331572	1165
AL-KM12-125-40-6T	125		40	63	16.4	9	6				●	331574	1165
AL-KM12-160-27-8T	160		27	63	16.4	9	8				●	331576	1300
AL-KM12-160-32-8T	160		32	63	16.4	9	8				●	331578	1300
AL-KM12-160-40-6T	160		40	63	16.4	9	6				●	331580	1300
AL-KM12-160-40-8T	160		40	63	16.4	9	8				●	331582	1300
AL-KM12-200-40-10T	200		40	63	16.4	9	10				●	331584	2800
AL-KM12-200-60-8T	200		60	63	16.4	9	8				●	331586	2800
AL-KM12-250-60-10T	250		60	63	16.4	9	10				●	331588	3500
AL-KM12-300-60-12T	300		60	63	16.4	9	12				●	331590	4300

刀杆
刀盘

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻铣
刀杆

倒角
刀杆

玉米
铣刀

三
面刃
槽刀

快
进给
系列

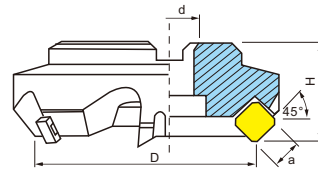
龙门
平面
铣刀

锁
牙式
刀柄

45°面铣

机夹式平面铣削刀具 Clamp type flat milling tool

正角刀片 有孔 铣刀盘



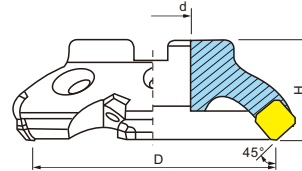
- 使用15°正角刀片
- 采用高刚性硬质合金刀垫

- ★ Using the blade angle is 15°
- ★ High-rigidity alloy pad.

45° 切削参数 (Cutting Parameters):D117
零配件 (Spare Parts):P01-P04

型号 Cat. No	尺寸 Size			刀片数T	刀片规格 Insert	Stock	Order Number	Price (RMB)
	外径D	孔径d	高度H					
SD445R/L03-25.4	80	25.4	55	5	 SDKN1203	●	331700	960
SD445R/L04-31.75	100	31.75	55	5		●	331702	1100
SD445R/L05-38.1	125	38.1	60	6		●	331704	1500
SD445R/L06-50.8	160	50.8	60	8		●	331706	2200
SD445R/L08-47.625	200	47.625	65	10		●	331708	2800
SD445R/L10-47.625	250	47.625	65	12		●	331710	4800
SD445R/L12-47.625	300	47.625	65	14	●	331712	7000	
SD545R/L03-25.4	80	25.4	55	5	 SDKN1504	●	331714	960
SD545R/L04-31.75	100	31.75	55	5		●	331716	1100
SD545R/L05-38.1	125	38.1	60	6		●	331718	1500
SD545R/L06-50.8	160	50.8	60	8		●	331720	2200
SD545R/L08-47.625	200	47.625	65	10		●	331722	2800
SD545R/L10-47.625	250	47.625	65	12		●	331724	4800
SD545R/L12-47.625	300	47.625	65	14	●	331726	7000	

SE45° 面铣刀盘 Face Milling Cutter



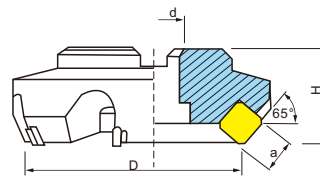
- 使用20°正角刀片
- 大前角刃形
- 采用高刚性硬质合金刀垫

- ★ Using the blade angle is 20°
- ★ Large front-edge-shaped
- ★ High-rigidity alloy pad.

45° 切削参数 (Cutting Parameters):D117
零配件 (Spare Parts):P01-P04

型号 Cat. No	尺寸 Size			刀片数T	刀片规格 Insert	Stock	Order Number	Price (RMB)
	外径D	孔径d	高度H					
SE545R/L03-25.4	80	25.4	50	5	 SEKN1504	●	331800	960
SE545R/L04-31.75	100	31.75	50	6		●	331802	1100
SE545R/L05-38.1	125	38.1	50	7		●	331804	1500
SE545R/L06-50.8	160	50.8	55	8		●	331806	2200
SE545R/L08-47.625	200	47.625	55	10		●	331808	2800
SE545R/L10-47.625	250	47.625	55	12		●	331810	4800
SE545R/L12-47.625	300	47.625	55	14	●	331812	7000	
SE445R/L63-22	63	22	50	4	 SEKN1203	●	331814	850
SE445R/L63-25.4	63	25.4	50	4		●	331816	850
SE445R/L03-25.4	80	25.4	50	5		●	331818	960
SE445R/L04-31.75	100	31.75	50	6		●	331820	1100
SE445R/L05-38.1	125	38.1	50	7		●	331822	1500
SE445R/L06-50.8	160	50.8	55	8		●	331824	2200
SE445R/L08-47.625	200	47.625	55	10		●	331826	2800
SE445R/L10-47.625	250	47.625	55	12		●	331828	4800
SE445R/L12-47.625	300	47.625	55	14		●	331830	7000

SP65° 面铣刀盘 Face Milling Cutter



- 使用11°正角刀片
- 采用高刚性硬质合金刀垫

- ★ Using the blade angle is 11°
- ★ High-rigidity alloy pad.

25° 切削参数 (Cutting Parameters):D117
零配件 (Spare Parts):P01-P04

型号 Cat. No	尺寸 Size			刀片数T	刀片规格 Insert	Stock	Order Number	Price (RMB)
	外径D	孔径d	高度H					
SP435R/L03-25.4	80	25.4	55	5	 SPKN1203	●	331900	960
SP435R/L04-31.75	100	31.75	55	5		●	331902	1100
SP435R/L05-38.1	125	38.1	60	6		●	331904	1500
SP435R/L06-50.8	160	50.8	60	8		●	331906	2200
SP435R/L08-47.625	200	47.625	65	10		●	331908	2800
SP435R/L10-47.625	250	47.625	65	12		●	331910	4800
SP435R/L12-47.625	300	47.625	65	14	●	331912	7000	
SP535R/L03-25.4	80	25.4	55	5	 SPKN1504	●	331914	960
SP535R/L04-31.75	100	31.75	55	5		●	331916	1100
SP535R/L05-38.1	125	38.1	60	6		●	331918	1500
SP535R/L06-50.8	160	50.8	60	8		●	331920	2200
SP535R/L08-47.625	200	47.625	65	10		●	331922	2800
SP535R/L10-47.625	250	47.625	65	12		●	331924	4800
SP535R/L12-47.625	300	47.625	65	14	●	331926	7000	

刀杆
刀盘

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻铣
刀杆

倒角
刀杆

玉米
铣刀

三
面刃
槽刀

快
进给
系列

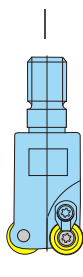
龙门
平面
铣刀

锁
牙式
刀柄

MFT
锁牙式
有孔
铣刀

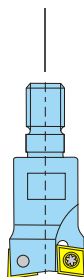


圆鼻立铣刀
Round dowel end mill



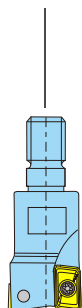
D28-D36

钻头
Drilling & Milling Cutter



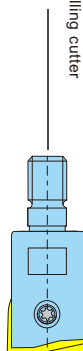
D43-D44

直角台肩铣刀
Right angle shoulder end mill



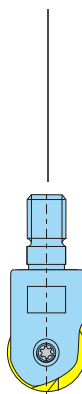
D09-D26

直角台肩精铣刀
Right angle shoulder finish milling cutter



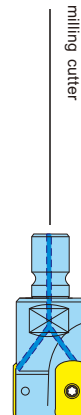
D39-D42

球形精铣刀
Ball milling cutter



D39-D42

双面快进给铣刀
Double face fast forward feed milling cutter



D71-D72

快进给铣刀
Fast forward feed milling cutter



D64-D69

快进给铣刀
Fast forward feed milling cutter



D66

优点 Advantage

高性能可换刀头和刚性刀柄的组合，在悬长较长的加工中亦可有效抑制振动，与传统钢制刀杆相比加工效率提高了2~5倍。加工时间大大缩短，加工成本随之下降。

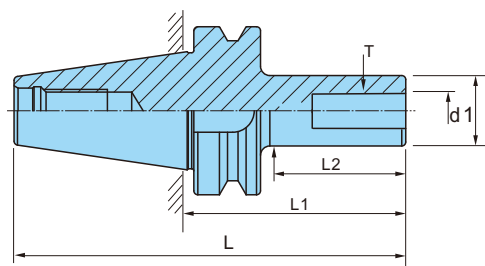
刀头的自由组合及其可换性，覆盖从粗加工到精加工的所有加工要求，对刀具的集约化管理具有划时代的意义。由于刀柄和刀杆采用螺纹连接，可在机床上方便迅速的更换刀头，降低生产成本。

High-performance interchangeable cutter head and the handle a combination of rigidity, in the long hanging longer processing can effectively suppress vibration, as compared with traditional steel arbor processing efficiency is improved by 2 ~ 5 times. Significantly reduce processing time, processing costs drop.

Segment of the free combination and can be changed, coverage from roughing to finishing all the processing requirements, intensive management tool epoch-making significance. As the shank and arbor with threaded connections, you can easily and quickly on a replacement machine Cutter, reduce production costs.

BT-MFT 锁牙式刀柄

BT/MFT Screwed end mills holder



型号 Cat. No	尺寸 Size					重量 Weight (KG)	Stock	Order Number	Price (RMB)
	L	L1	L2	d1	T				
BT40-MFT16-M8-60	160.4	95	60	15	M8	1.1	●	336100	350
BT40-MFT16-M8-110	210.4	145	110	15	M8	1.2	●	336102	350
BT40-MFT20-M10-60	160.4	95	60	19	M10	1.1	●	336104	350
BT40-MFT20-M10-110	210.4	145	110	19	M10	1.2	●	336106	350
BT40-MFT25-M12-60	160.4	95	60	24	M12	1.1	●	336108	350
BT40-MFT25-M12-120	220.4	155	120	24	M12	1.3	●	336110	350
BT40-MFT30-M16-50	150.4	85	50	28	M16	1.2	●	336112	350
BT40-MFT30-M16-100	200.4	135	100	28	M16	1.3	●	336114	350
BT40-MFT30-M16-140	240.4	175	140	28	M16	1.6	●	336116	400
BT40-MFT35-M16-60	160.4	95	60	33	M16	1.3	●	336118	350
BT40-MFT35-M16-120	220.4	155	120	33	M16	1.7	●	336120	350
BT50-MFT16-M8-60	206.8	105	60	15	M8	3.1	●	336122	700
BT50-MFT16-M8-120	266.8	165	120	15	M8	3.2	●	336124	700
BT50-MFT20-M10-60	206.8	105	60	19	M10	3.2	●	336126	700
BT50-MFT20-M10-120	266.8	165	120	19	M10	3.3	●	336128	700
BT50-MFT25-M12-60	206.8	105	60	24	M12	3.3	●	336130	700
BT50-MFT25-M12-120	266.8	165	120	24	M12	3.4	●	336132	700
BT50-MFT30-M16-60	206.8	105	60	28	M16	3.4	●	336134	700
BT50-MFT30-M16-120	266.8	165	120	28	M16	3.5	●	336136	700
BT50-MFT35-M16-60	206.8	105	60	33	M16	3.5	●	336138	700
BT50-MFT35-M16-120	266.8	165	120	33	M16	3.7	●	336140	700

■ 整支通孔利于出水及抗震。

■ Beneficial to the entire branch water and seismic hole.

刀杆
刀盘

直角台肩
立铣刀

圆角
铣刀

球头
铣刀

钻头
刀杆

倒角
刀杆

玉米
铣刀

三
面刃
槽刀

快
进给
系列

龙
门
平
面
铣
刀

锁
牙
式
刀
柄

复合刃高效率刀具

High Efficiency Tool With Composite Cutting Edge

刀杆
刀盘

直角
台肩
立铣刀

圆角
铣刀

球头
铣刀

钻铣
刀杆

倒角
刀杆

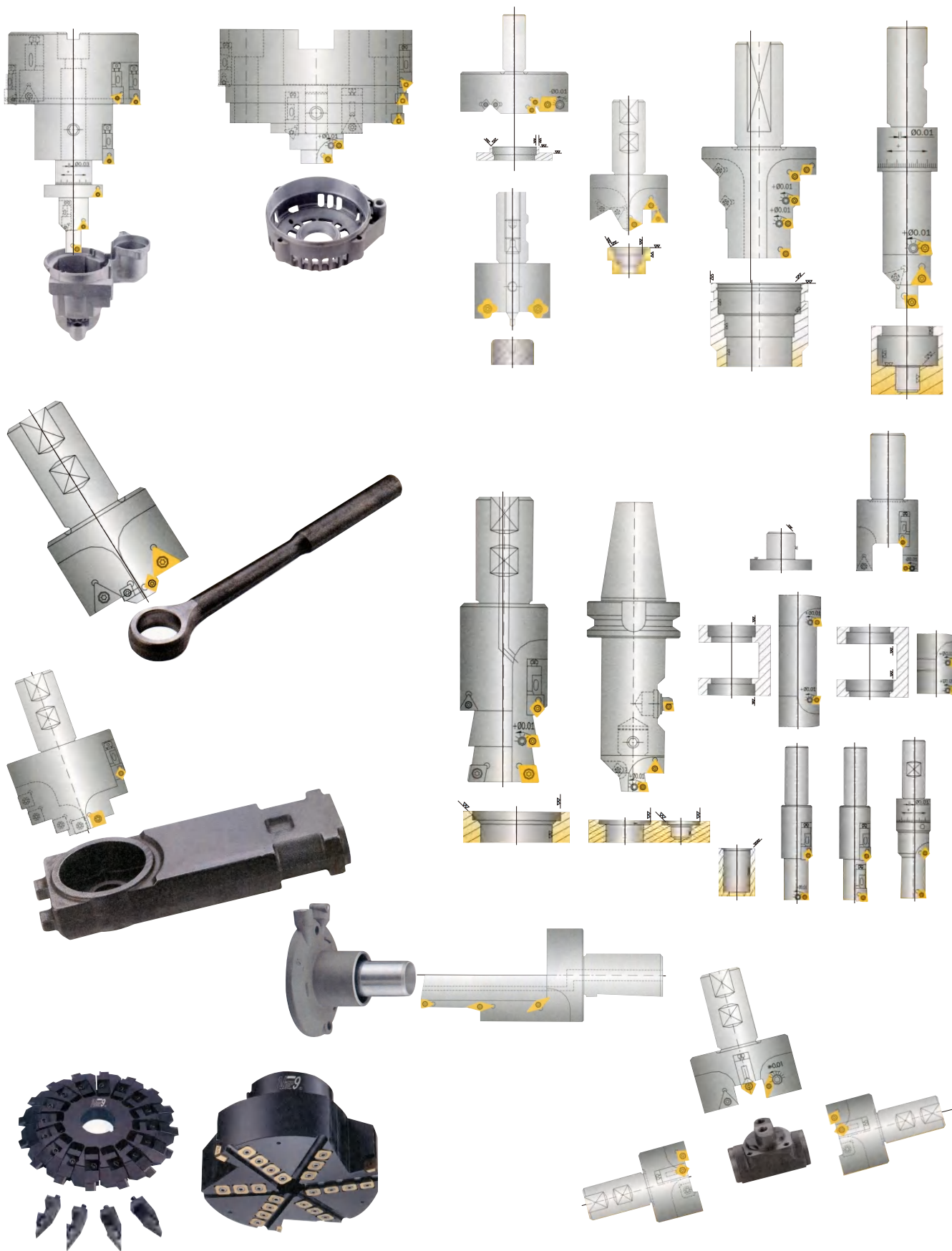
玉米
铣刀

三面
刃槽刀

快
进给
系列

龙门
平面
铣刀

锁
牙式
刀柄



钨钢刀柄

锁牙式钨钢刀柄

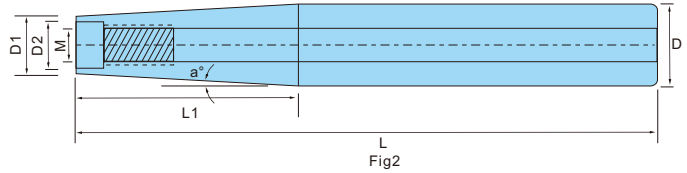
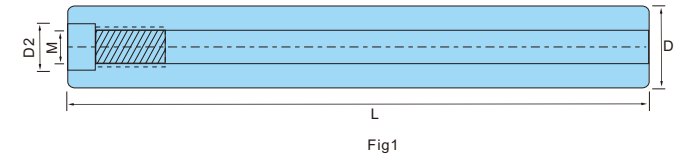
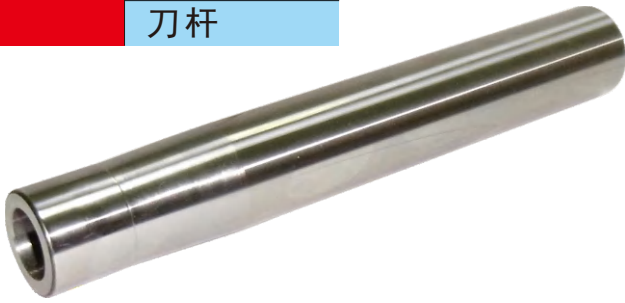
Tungsten steel toolholder with locking teeth

MFL

钨钢锁牙式

有孔

刀杆



订购编码 Order Number	型号 Cat. No	Fig	L	D	D1	L1	a°	M	D2	Steel Stock	Price (RMB)	Carbide Stock	Price (RMB)
336200	MFL06-06-060-M03	1	60	6	6	-	-	M3X0.5	3.5	○	400	●	800
336202	MFL06-06-120-M03	1	120	6	6	-	-			○	400	●	800
336204	MFL08-08-060-M04	1	60	8	8	-	-			○	400	●	800
336206	MFL08-08-100-M04	1	100	8	8	-	-	M4X0.7	4.5	○	400	●	990
336208	MFL08-08-150-M04	1	150	8	8	-	-			○	400	●	1100
336210	MFL08-10-150-M04DT60	2	150	10	7.8	60	1°			○	450	○	1200
336212	MFL10-10-075-M05	1	75	10	10	-	-			○	500	●	1000
336214	MFL10-10-100-M05	1	100	10	10	-	-			○	500	●	1080
336216	MFL10-10-150-M05	1	150	10	10	-	-	M5X0.8	5.5	○	500	●	1290
336218	MFL10-12-150-M05DT60	2	150	12	9.8	60	1°			○	550	○	1450
336220	MFL10-20-300-M05DT135	2	300	20	9.8	135	2.15°			○	650	○	5500
336222	MFL12-12-075-M06	1	75	12	12	-	-			○	500	●	1150
336224	MFL12-12-100-M06	1	100	12	12	-	-			○	500	●	1290
336226	MFL12-12-150-M06	1	150	12	12	-	-			○	500	●	1480
336228	MFL12-12-200-M06	1	200	12	12	-	-	M6X1.0	6.5	○	500	●	1980
336230	MFL12-16-150-M06DT70	2	150	16	11.8	70	1.65°			○	550	○	2200
336232	MFL12-16-200-M06DT90	2	200	16	11.8	90	1.3°			○	600	○	2600
336234	MFL12-16-250-M06DT115	2	250	16	11.8	115	1°			○	700	○	3200
336236	MFL12-16-300-M06DT135	2	300	16	11.8	135	1.7°			○	800	○	3800
336238	MFL15.6-15.6-150-M08	1	150	15.6	15.6	-	-	M8X1.25	8.5	○	500	●	1900
336240	MFL16-16-100-M08	1	100	16	16	-	-			○	500	●	1980
336242	MFL16-16-150-M08	1	150	16	16	-	-			○	500	●	2240
336244	MFL16-16-200-M08	1	200	16	16	-	-			○	800	●	2630
336246	MFL16-16-250-M08	1	250	16	16	-	-	M8X1.25	8.5	○	900	●	3130
336248	MFL16-20-200-M08DT90	2	200	20	15.5	90	1.3°			○	900	○	4000
336250	MFL16-20-250-M08DT115	2	250	20	15.5	115	1°			○	950	○	4700
336252	MFL16-20-300-M08DT135	2	300	20	15.5	135	0.85°			○	1000	○	5400
336254	MFL19-19-200-M10	1	200	19	19	-	-	M10X1.5	10.5	○	800	●	2600
336256	MFL20-20-100-M10	1	100	20	20	-	-			○	800	●	2650
336258	MFL20-20-150-M10	1	150	20	20	-	-			○	900	●	3130
336260	MFL20-20-200-M10	1	200	20	20	-	-			○	1100	●	3950
336262	MFL20-20-250-M10	1	250	20	20	-	-			○	1300	●	4650
336264	MFL20-20-300-M10	1	300	20	20	-	-	M10X1.5	10.5	○	1600	●	5360
336266	MFL20-20-400-M10	1	400	20	20	-	-			○	1800	●	6200
336268	MFL20-25-200-M10DT90	2	200	25	19.8	90	1.6°			○	2000	○	6800
336270	MFL20-25-250-M10DT115	2	250	25	19.8	115	1.25°			○	2300	○	7900
336272	MFL20-25-300-M10DT135	2	300	25	19.8	135	1.1°			○	2800	○	9800
336274	MFL24-24-200-M12	1	200	24	24	-	-			○	1200	●	4030
336276	MFL24-24-250-M12	1	250	24	24	-	-	M12X1.75	12.5	○	1200	●	4300
336278	MFL25-25-100-M12	1	100	25	25	-	-			○	1400	●	4670
336280	MFL25-25-150-M12	1	150	25	25	-	-			○	1600	●	5360
336282	MFL25-25-200-M12	1	200	25	25	-	-			○	2000	●	6700
336284	MFL25-25-250-M12	1	250	25	25	-	-			○	2300	●	7860
336286	MFL25-25-300-M12	1	300	25	25	-	-	M12X1.75	12.5	○	2800	●	9600
336288	MFL25-25-350-M12	1	350	25	25	-	-			○	3000	●	11200
336290	MFL25-32-200-M12DT90	2	200	32	24.5	90	2.3°			○	2600	○	8500
336292	MFL25-32-250-M12DT115	2	250	32	24.5	115	1.75°			○	3300	○	12000
336294	MFL25-32-300-M12DT135	2	300	32	24.5	135	1.5°			○	4000	○	13500
336296	MFL29-29-250-M16	1	250	29	29	-	-	M16X2.0	17	○	2800	●	9300
336298	MFL32-32-150-M16	1	150	32	32	-	-			○	2000	●	6600
336300	MFL32-32-200-M16	1	200	32	32	-	-			○	2600	●	8500
336302	MFL32-32-250-M16	1	250	32	32	-	-	M16X2.0	17	○	3300	●	11150
336304	MFL32-32-300-M16	1	300	32	32	-	-			○	4000	●	13400
336306	MFL32-32-350-M16	1	350	32	32	-	-			○	4500	○	15400
336308	MFL32-32-400-M16	1	400	32	32	-	-			○	5000	○	17500
336310	MFL42-42-250-M20	1	250	42	42	-	-			○	4000	○	15000
336312	MFL42-42-300-M20	1	300	42	42	-	-	M20X2.5	21	○	4500	○	18000
336314	MFL42-42-400-M20	1	400	42	42	-	-			○	5000	○	25000
336316	MFL42-42-500-M20	1	500	42	42	-	-			○	6000	○	32000

刀杆
刀盘

直角
台肩
立
铣刀

圆角
铣刀

球头
铣刀

钻铣
刀杆

倒角
刀杆

玉米
铣刀

三
面刃
槽刀

快
进给
系列

龙门
平面
铣刀

锁
牙式
刀柄

铣刀
锯片
成型刀

钨钢
平底
铣刀

深沟
铣刀

微小
直径
铣刀

圆鼻
铣刀

球头
铣刀

粗皮
铣刀

锥度
铣刀

焊刃
铣刀

倒角
铣刀

T型
槽刀

燕尾
槽刀

锯片
三面
刃侧刀

钨钢
圆棒



2刃45°直角	4刃45°直角	2刃50°直角	4刃50°直角	2刃55°直角	4刃55°直角	2刃60°直角	4刃60°直角
F03 	F03 	F04 	F04 	F05 	F05 	F06 	F06 
钨钢铣刀 加工HRC45°以下 立铣刀	钨钢铣刀 加工HRC45°以下 立铣刀	钨钢铣刀 加工HRC50°以下 立铣刀	钨钢铣刀 加工HRC50°以下 立铣刀	钨钢铣刀 加工HRC55°以下 立铣刀	钨钢铣刀 加工HRC55°以下 立铣刀	钨钢铣刀 加工HRC60°以下 立铣刀	钨钢铣刀 加工HRC60°以下 立铣刀
2刃65°直角	4刃65°直角	4刃-不涂层	2刃-不涂层	3刃-不涂层	3刃-铝用铣刀	深沟平底-铝用	深沟平底铣刀
F07 	F07 	F08 	F09 	F09 	F10 	F11 	F11 
钨钢铣刀 加工HRC65°以下 立铣刀	钨钢铣刀 加工HRC65°以下 立铣刀	钨钢铣刀 铜铝件加工 立铣刀	钨钢铣刀 铜铝件加工 立铣刀	钨钢铣刀 铜铝非铁金属加工 立铣刀	钨钢铣刀 铜铝非铁金属加工 立铣刀	钨钢铣刀 铜铝非铁金属加工 立铣刀	钨钢铣刀 铜件/不锈钢加工 立铣刀
深沟球头-铝用	深沟球头铣刀	小径平底-铝用	小径平底铣刀	小径球刀-铝用	2刃45°直角	小数点铣刀	小数点涂层铣刀
F12 	F12 	F13 	F13 	F14 	F14 	F15 	F15 
钨钢铣刀 铜铝非铁金属加工 立铣刀	钨钢铣刀 铜件/不锈钢加工 立铣刀	钨钢铣刀 铜铝非铁金属加工 立铣刀	钨钢铣刀 铜件/不锈钢加工 立铣刀	钨钢铣刀 铜铝非铁金属加工 立铣刀	钨钢铣刀 铜件/不锈钢加工 立铣刀	钨钢铣刀 铜铝非铁金属加工 立铣刀	钨钢铣刀 铜件/不锈钢加工 立铣刀
2刃45°圆角	4刃45°圆角	2刃50°圆角	4刃50°圆角	2刃55°圆角	4刃55°圆角	2刃65°圆角	4刃65°圆角
F17 	F17 	F18 	F18 	F19 	F19 	F20 	F20 
钨钢铣刀 加工HRC45°以下 立铣刀	钨钢铣刀 加工HRC45°以下 立铣刀	钨钢铣刀 加工HRC50°以下 立铣刀	钨钢铣刀 加工HRC50°以下 立铣刀	钨钢铣刀 加工HRC55°以下 立铣刀	钨钢铣刀 加工HRC55°以下 立铣刀	钨钢铣刀 加工HRC65°以下 立铣刀	钨钢铣刀 加工HRC65°以下 立铣刀

球刀-45° F21  钨钢铣刀 加工HRC45°以下 立铣刀	球刀-50° F21  钨钢铣刀 加工HRC50°以下 立铣刀	球刀-55° F22  钨钢铣刀 加工HRC55°以下 立铣刀	球刀-铝用 F22  钨钢铣刀 铜铝非铁金属加工 立铣刀	球刀-60° F23  钨钢铣刀 加工HRC60°以下 立铣刀	球刀-65° F23  钨钢铣刀 加工HRC65°以下 立铣刀	3刀铝用粗铣刀 F25  钨钢铣刀 铜铝非铁金属加工 立铣刀	白钢粗皮刀 F25  高速钢铣刀 铜铝钢件加工 立铣刀
4刀钨钢粗铣刀 F25  钨钢铣刀 钢件/不锈钢加工 立铣刀	4刀白钢铣刀 F25  高速钢铣刀 铜铝钢件加工 立铣刀	2刀白钢铣刀 F26  高速钢铣刀 铜铝钢件加工 立铣刀	4刀白钢铣刀 F26  高速钢铣刀 铜铝钢件加工 立铣刀	2刀锥度铣刀 F27  钨钢铣刀 铜铝钢件加工 立铣刀	4刀锥度铣刀 F27  钨钢铣刀 铜铝钢件加工 立铣刀	球头锥度铣刀 F28  钨钢铣刀 铜铝钢件加工 立铣刀	2刀-焊接铣刀 F29  钨钢焊刃式铣刀 铜铝钢件加工 立铣刀
4刀-焊接铣刀 F29  钨钢焊刃式铣刀 铜铝钢件加工 立铣刀	焊刃式粗铣刀 F29  钨钢焊刃式铣刀 铜铝钢件加工 立铣刀	焊刃式粗铣刀 F30  钨钢铣刀 铜铝钢件加工 立铣刀	焊刃式铣刀盘 F30  钨钢铣刀 铜铝钢件加工 立铣刀	焊刃式面铣刀 F30  钨钢铣刀 铜铝钢件加工 立铣刀	2F铝用定心钻 F31  钨钢焊刃式铣刀 铝合金加工 立铣刀	2F/3F倒角刀 F31  钨钢焊刃式铣刀 铜铝钢件加工 立铣刀	2F/3F铝用倒角刀 F32  钨钢焊刃式铣刀 铝合金加工 立铣刀
2F/3F铝用倒角刀 F32  钨钢焊刃式铣刀 铝合金加工 立铣刀	2F/3F倒角刀 F32  钨钢焊刃式铣刀 铝合金加工 立铣刀	45°定位倒角刀 F33  钨钢铣刀 铜铝钢件加工 立铣刀	45°单刃倒角刀 F33  钨钢铣刀 铜铝钢件加工 立铣刀	45°三刃倒角刀 F33  钨钢铣刀 铜铝钢件加工 立铣刀	焊刃锥度铣刀 F33  钨钢铣刀 铜铝钢件加工 立铣刀	钨钢内R铣刀 F34  钨钢铣刀 铜铝钢件加工 立铣刀	焊刃内R铣刀 F34  钨钢铣刀 铜铝钢件加工 立铣刀
钨钢中心钻 F34  钨钢铣刀 铜铝钢件加工 中心钻	高速刚中心钻 F34  钨钢铣刀 铜铝钢件加工 通用型中心钻	SWT超微T型铣刀 F35  焊刃式(平齿刃) 模具加工专用 立铣刀	SWTS超微T型铣刀 F35  焊刃式(千鸟刃) 模具加工专用 立铣刀	SWTI超微T型铣刀 F35  焊刃式(平齿刃) 模具加工专用 立铣刀	三面刃铣刀盘 F35  钨钢铣刀 铜铝钢件加工 立铣刀	钨钢T型槽铣刀 F36  60°槽铣刀 铜铝钢件加工 立铣刀	棒棒糖铣刀 F36  涂层铣刀 铜铝钢件加工 立铣刀
45°燕尾槽刀 F37  钨钢铣刀 铜铝钢件加工 立铣刀	60°燕尾槽刀 F37  钨钢铣刀 铜铝钢件加工 立铣刀	45°燕尾槽刀盘 F37  钨钢铣刀 铜铝钢件加工 立铣刀	钨钢燕尾槽刀 F38  钨钢铣刀 铜铝钢件加工 立铣刀	平齿三面刃刀盘 F39  钨钢铣刀 铜铝钢件加工 立铣刀	锯齿三面刃刀盘 F40  钨钢铣刀 铜铝钢件加工 立铣刀	锯片刀杆 F41  钨钢铣刀 铜铝钢件加工 立铣刀	单刃亚克力铣刀 F43  单刃亚克力铣刀 铜铝钢件加工 立铣刀
55°直刃钨钢绞刀 F44  直刃绞刀 铜铝钢件加工 钨钢绞刀	55°螺旋刃绞刀 F44  螺旋刃绞刀 铜铝钢件加工 钨钢绞刀	钨钢沉头铣刀 F45  钨钢铣刀 铜铝钢件加工 立铣刀	钨钢沉头铣刀 F45  钨钢铣刀 铜铝钢件加工 立铣刀	钨钢圆棒 F46  钨钢铣刀 铜铝钢件加工 立铣刀			

铣刀
锯片
成型刀

钨钢
平底
铣刀

深沟
铣刀

微小
直径
铣刀

圆鼻
铣刀

球头
铣刀

粗皮
铣刀

锥度
铣刀

焊刃
铣刀

倒角
铣刀

T型
槽刀

燕尾
槽刀

锯片
三面
刃侧
铣刀

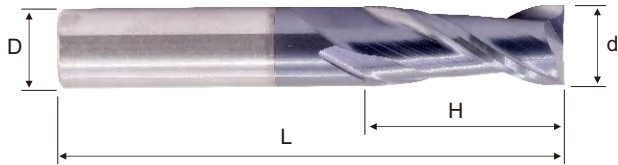
钨钢
圆棒

2刃 HRC45° 平底钨钢立铣刀

2F Edge HRC45° Tungsten Steel Coated End Milling Cutter

应用：切削加工HRC45°以下钢材

Application: Milling the steel hardness under HRC45°.

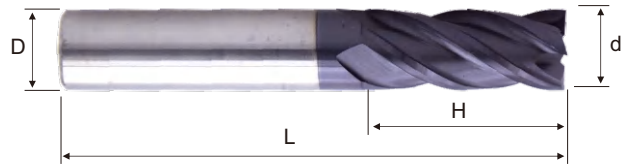


4刃 HRC45° 平底钨钢立铣刀

4F Edge HRC45° Tungsten Steel Coated End Milling Cutter

应用：切削加工HRC45°以下钢材

Application: Milling the steel hardness under HRC45°.



铣刀
锯片
成型刀

钨钢
平底
铣刀

深沟
铣刀

微小
直径
铣刀

圆鼻
铣刀

球头
铣刀

粗皮
铣刀

锥度
铣刀

焊刃
铣刀

倒角
铣刀

T型
槽刀

燕尾
槽刀

锯片
三面
刃铣刀

钨钢
圆棒

订购编码 Order No.	规格型号 Type	尺寸 Dimensions (mm)				单价 (RMB) Price
		d	H	L	D	
36000000	2F45C-1X50	Ø1.0	3	50	4	
36000002	2F45C-1.5X50	Ø1.5	4	50	4	
36000004	2F45C-2X50	Ø2.0	6	50	4	
36000006	2F45C-2.5X50	Ø2.5	7	50	4	
36000008	2F45C-3X3X50	Ø3.0	8	50	3	
36000010	2F45C-3X4X50	Ø3.0	8	50	4	
36000012	2F45C-3.5X50	Ø3.5	10	50	4	
36000014	2F45C-4X50	Ø4.0	10	50	4	
36000016	2F45C-4X75	Ø4.0	20	75	4	
36000018	2F45C-4X100	Ø4.0	25	100	4	
36000020	2F45C-5X5X50	Ø5.0	13	50	5	
36000022	2F45C-5X6X50	Ø5.0	13	50	6	
36000024	2F45C-6X50	Ø6.0	15	50	6	
36000026	2F45C-6X75	Ø6.0	20	75	6	
36000028	2F45C-6X100	Ø6.0	30	100	6	
36000030	2F45C-6X150	Ø6.0	30	150	6	
36000032	2F45C-8X60	Ø8.0	20	60	8	
36000034	2F45C-8X75	Ø8.0	25	75	8	
36000036	2F45C-8X100	Ø8.0	35	100	8	
36000038	2F45C-8X150	Ø8.0	40	150	8	
36000040	2F45C-10X75	Ø10	25	75	10	
36000042	2F45C-10X100	Ø10	40	100	10	
36000044	2F45C-10X150	Ø10	45	150	10	
36000046	2F45C-12X75	Ø12	30	75	12	
36000048	2F45C-12X100	Ø12	45	100	12	
36000050	2F45C-12X150	Ø12	50	150	12	
36000052	2F45C-14X100	Ø14	40	100	14	
36000054	2F45C-14X150	Ø14	50	150	14	
36000056	2F45C-16X100	Ø16	40	100	16	
36000058	2F45C-16X150	Ø16	55	150	16	
36000060	2F45C-16X200	Ø16	65	200	16	
36000062	2F45C-18X100	Ø18	40	100	18	
36000064	2F45C-18X150	Ø18	55	150	18	
36000066	2F45C-20X100	Ø20	40	100	20	
36000068	2F45C-20X150	Ø20	55	150	20	
36000070	2F45C-20X200	Ø20	75	200	20	

订购编码 Order No.	规格型号 Type	尺寸 Dimensions (mm)				单价 (RMB) Price
		d	H	L	D	
36000100	4F45C1X50	Ø1.0	3	50	4	
36000102	4F45C1.5X50	Ø1.5	4	50	4	
36000104	4F45C2X50	Ø2.0	6	50	4	
36000106	4F45C2.5X50	Ø2.5	7	50	4	
36000108	4F45C3X3X50	Ø3.0	8	50	3	
36000110	4F45C3X4X50	Ø3.0	8	50	4	
36000112	4F45C3.5X50	Ø3.5	10	50	4	
36000114	4F45C4X50	Ø4.0	10	50	4	
36000116	4F45C4X75	Ø4.0	20	75	4	
36000118	4F45C4X100	Ø4.0	25	100	4	
36000120	4F45C5X5X50	Ø5.0	13	50	5	
36000122	4F45C5X6X50	Ø5.0	13	50	6	
36000124	4F45C6X50	Ø6.0	15	50	6	
36000126	4F45C6X75	Ø6.0	20	75	6	
36000128	4F45C6X100	Ø6.0	30	100	6	
36000130	4F45C6X150	Ø6.0	30	150	6	
36000132	4F45C8X60	Ø8.0	20	60	8	
36000134	4F45C8X75	Ø8.0	25	75	8	
36000136	4F45C8X100	Ø8.0	35	100	8	
36000138	4F45C8X150	Ø8.0	40	150	8	
36000140	4F45C10X75	Ø10	25	75	10	
36000142	4F45C10X100	Ø10	40	100	10	
36000144	4F45C10X150	Ø10	45	150	10	
36000146	4F45C12X75	Ø12	30	75	12	
36000148	4F45C12X100	Ø12	45	100	12	
36000150	4F45C12X150	Ø12	50	150	12	
36000152	4F45C14X100	Ø14	40	100	14	
36000154	4F45C14X150	Ø14	50	150	14	
36000156	4F45C16X100	Ø16	40	100	16	
36000158	4F45C16X150	Ø16	55	150	16	
36000160	4F45C16X200	Ø16	65	200	16	
36000162	4F45C18X100	Ø18	40	100	18	
36000164	4F45C18X150	Ø18	55	150	18	
36000166	4F45C20X100	Ø20	40	100	20	
36000168	4F45C20X150	Ø20	55	150	20	
36000170	4F45C20X200	Ø20	75	200	20	

直角平底立铣刀

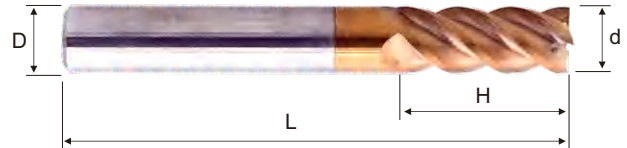
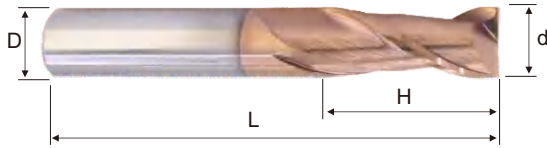
Right Angle Flat End Mill

2刃 HRC50° 平底钨钢立铣刀
2F Edge HRC50° Tungsten Steel Coated End Milling Cutter

4刃 HRC50° 平底钨钢立铣刀
4F Edge HRC50° Tungsten Steel Coated End Milling Cutter

应用：切削加工HRC50°以下钢材
Application: Milling the steel hardness under HRC50°.

应用：切削加工HRC50°以下钢材
Application: Milling the steel hardness under HRC50°.



订购编码 Order No.	规格型号 Type	尺寸 Dimensions (mm)				单价 (RMB) Price
		d	H	L	D	
36000200	2F50C-1X50	Ø1.0	3	50	4	
36000202	2F50C-1.5X50	Ø1.5	4	50	4	
36000204	2F50C-2X50	Ø2.0	6	50	4	
36000206	2F50C-2.5X50	Ø2.5	7	50	4	
36000208	2F50C-3X3X50	Ø3.0	8	50	3	
36000210	2F50C-3X4X50	Ø3.0	8	50	4	
36000212	2F50C-3.5X50	Ø3.5	10	50	4	
36000214	2F50C-4X50	Ø4.0	10	50	4	
36000216	2F50C-4X75	Ø4.0	20	75	4	
36000218	2F50C-4X100	Ø4.0	25	100	4	
36000220	2F50C-5X5X50	Ø5.0	13	50	5	
36000222	2F50C-5X6X50	Ø5.0	13	50	6	
36000224	2F50C-6X50	Ø6.0	15	50	6	
36000226	2F50C-6X75	Ø6.0	20	75	6	
36000228	2F50C-6X100	Ø6.0	30	100	6	
36000230	2F50C-6X150	Ø6.0	30	150	6	
36000232	2F50C-8X60	Ø8.0	20	60	8	
36000234	2F50C-8X75	Ø8.0	25	75	8	
36000236	2F50C-8X100	Ø8.0	35	100	8	
36000238	2F50C-8X150	Ø8.0	40	150	8	
36000240	2F50C-10X75	Ø10	25	75	10	
36000242	2F50C-10X100	Ø10	40	100	10	
36000244	2F50C-10X150	Ø10	45	150	10	
36000246	2F50C-12X75	Ø12	30	75	12	
36000248	2F50C-12X100	Ø12	45	100	12	
36000250	2F50C-12X150	Ø12	50	150	12	
36000252	2F50C-14X100	Ø14	40	100	14	
36000254	2F50C-14X150	Ø14	50	150	14	
36000256	2F50C-16X100	Ø16	40	100	16	
36000258	2F50C-16X150	Ø16	55	150	16	
36000260	2F50C-16X200	Ø16	65	200	16	
36000262	2F50C-18X100	Ø18	40	100	18	
36000264	2F50C-18X150	Ø18	55	150	18	
36000266	2F50C-20X100	Ø20	40	100	20	
36000268	2F50C-20X150	Ø20	55	150	20	
36000270	2F50C-20X200	Ø20	75	200	20	

订购编码 Order No.	规格型号 Type	尺寸 Dimensions (mm)				单价 (RMB) Price
		d	H	L	D	
36000300	4F50C-1X50	Ø1.0	3	50	4	
36000302	4F50C-1.5X50	Ø1.5	4	50	4	
36000304	4F50C-2X50	Ø2.0	6	50	4	
36000306	4F50C-2.5X50	Ø2.5	7	50	4	
36000308	4F50C-3X3X50	Ø3.0	8	50	3	
36000310	4F50C-3X4X50	Ø3.0	8	50	4	
36000312	4F50C-3.5X50	Ø3.5	10	50	4	
36000314	4F50C-4X50	Ø4.0	10	50	4	
36000316	4F50C-4X75	Ø4.0	20	75	4	
36000318	4F50C-4X100	Ø4.0	25	100	4	
36000320	4F50C-5X5X50	Ø5.0	13	50	5	
36000322	4F50C-5X6X50	Ø5.0	13	50	6	
36000324	4F50C-6X50	Ø6.0	15	50	6	
36000326	4F50C-6X75	Ø6.0	20	75	6	
36000328	4F50C-6X100	Ø6.0	30	100	6	
36000330	4F50C-6X150	Ø6.0	30	150	6	
36000332	4F50C-8X60	Ø8.0	20	60	8	
36000334	4F50C-8X75	Ø8.0	25	75	8	
36000336	4F50C-8X100	Ø8.0	35	100	8	
36000338	4F50C-8X150	Ø8.0	40	150	8	
36000340	4F50C-10X75	Ø10	25	75	10	
36000342	4F50C-10X100	Ø10	40	100	10	
36000344	4F50C-10X150	Ø10	45	150	10	
36000346	4F50C-12X75	Ø12	30	75	12	
36000348	4F50C-12X100	Ø12	45	100	12	
36000350	4F50C-12X150	Ø12	50	150	12	
36000352	4F50C-14X100	Ø14	40	100	14	
36000354	4F50C-14X150	Ø14	50	150	14	
36000356	4F50C-16X100	Ø16	40	100	16	
36000358	4F50C-16X150	Ø16	55	150	16	
36000360	4F50C-16X200	Ø16	65	200	16	
36000362	4F50C-18X100	Ø18	40	100	18	
36000364	4F50C-18X150	Ø18	55	150	18	
36000366	4F50C-20X100	Ø20	40	100	20	
36000368	4F50C-20X150	Ø20	55	150	20	
36000370	4F50C-20X200	Ø20	75	200	20	

铣刀
锯片
成型刀

钨钢
平底
铣刀

深沟
铣刀

微小
直径
铣刀

圆鼻
铣刀

球头
铣刀

粗皮
铣刀

锥度
铣刀

焊刃
铣刀

倒角
铣刀

T型
槽刀

燕尾
槽刀

锯片
三面
刃侧
铣刀

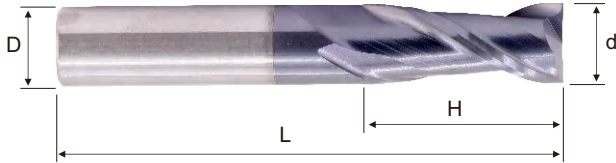
钨钢
圆棒

2刃 HRC55° 平底钨钢立铣刀

2F Edge HRC55° Tungsten Steel Coated End Milling Cutter

应用：切削加工HRC55°以下钢材

Application: Milling the steel hardness under HRC55°.

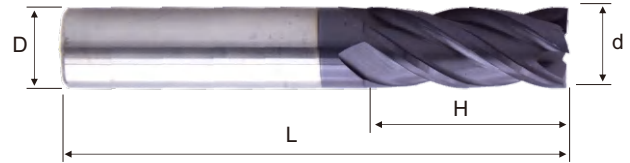


4刃 HRC55° 平底钨钢立铣刀

4F Edge HRC55° Tungsten Steel Coated End Milling Cutter

应用：切削加工HRC55°以下钢材

Application: Milling the steel hardness under HRC55°.



铣刀
锯片
成型刀

钨钢
平底
铣刀

订购编码 Order No.	规格型号 Type	尺寸 Dimensions (mm)				单价 (RMB) Price
		d	H	L	D	
36000400	2F55C-1X50	Ø1.0	3	50	4	
36000402	2F55C-1.5X50	Ø1.5	4	50	4	
36000404	2F55C-2X50	Ø2.0	6	50	4	
36000406	2F55C-2.5X50	Ø2.5	7	50	4	
36000408	2F55C-3X3X50	Ø3.0	8	50	3	
36000410	2F55C-3X4X50	Ø3.0	8	50	4	
36000412	2F55C-3.5X50	Ø3.5	10	50	4	
36000414	2F55C-4X50	Ø4.0	10	50	4	
36000416	2F55C-4X75	Ø4.0	20	75	4	
36000418	2F55C-4X100	Ø4.0	25	100	4	
36000420	2F55C-5X5X50	Ø5.0	13	50	5	
36000422	2F55C-5X6X50	Ø5.0	13	50	6	
36000424	2F55C-6X50	Ø6.0	15	50	6	
36000426	2F55C-6X75	Ø6.0	20	75	6	
36000428	2F55C-6X100	Ø6.0	30	100	6	
36000430	2F55C-6X150	Ø6.0	30	150	6	
36000432	2F55C-8X60	Ø8.0	20	60	8	
36000434	2F55C-8X75	Ø8.0	25	75	8	
36000436	2F55C-8X100	Ø8.0	35	100	8	
36000438	2F55C-8X150	Ø8.0	40	150	8	
36000440	2F55C-10X75	Ø10	25	75	10	
36000442	2F55C-10X100	Ø10	40	100	10	
36000444	2F55C-10X150	Ø10	45	150	10	
36000446	2F55C-12X75	Ø12	30	75	12	
36000448	2F55C-12X100	Ø12	45	100	12	
36000450	2F55C-12X150	Ø12	50	150	12	
36000452	2F55C-14X100	Ø14	40	100	14	
36000454	2F55C-14X150	Ø14	50	150	14	
36000456	2F55C-16X100	Ø16	40	100	16	
36000458	2F55C-16X150	Ø16	55	150	16	
36000460	2F55C-16X200	Ø16	65	200	16	
36000462	2F55C-18X100	Ø18	40	100	18	
36000464	2F55C-18X150	Ø18	55	150	18	
36000466	2F55C-20X100	Ø20	40	100	20	
36000468	2F55C-20X150	Ø20	55	150	20	
36000470	2F55C-20X200	Ø20	75	200	20	

订购编码 Order No.	规格型号 Type	尺寸 Dimensions (mm)				单价 (RMB) Price
		d	H	L	D	
36000500	4F55C-1X50	Ø1.0	3	50	4	
36000502	4F55C-1.5X50	Ø1.5	4	50	4	
36000504	4F55C-2X50	Ø2.0	6	50	4	
36000506	4F55C-2.5X50	Ø2.5	7	50	4	
36000508	4F55C-3X3X50	Ø3.0	8	50	3	
36000510	4F55C-3X4X50	Ø3.0	8	50	4	
36000512	4F55C-3.5X50	Ø3.5	10	50	4	
36000514	4F55C-4X50	Ø4.0	10	50	4	
36000516	4F55C-4X75	Ø4.0	20	75	4	
36000518	4F55C-4X100	Ø4.0	25	100	4	
36000520	4F55C-5X5X50	Ø5.0	13	50	5	
36000522	4F55C-5X6X50	Ø5.0	13	50	6	
36000524	4F55C-6X50	Ø6.0	15	50	6	
36000526	4F55C-6X75	Ø6.0	20	75	6	
36000528	4F55C-6X100	Ø6.0	30	100	6	
36000530	4F55C-6X150	Ø6.0	30	150	6	
36000532	4F55C-8X60	Ø8.0	20	60	8	
36000534	4F55C-8X75	Ø8.0	25	75	8	
36000536	4F55C-8X100	Ø8.0	35	100	8	
36000538	4F55C-8X150	Ø8.0	40	150	8	
36000540	4F55C-10X75	Ø10	25	75	10	
36000542	4F55C-10X100	Ø10	40	100	10	
36000544	4F55C-10X150	Ø10	45	150	10	
36000546	4F55C-12X75	Ø12	30	75	12	
36000548	4F55C-12X100	Ø12	45	100	12	
36000550	4F55C-12X150	Ø12	50	150	12	
36000552	4F55C-14X100	Ø14	40	100	14	
36000554	4F55C-14X150	Ø14	50	150	14	
36000556	4F55C-16X100	Ø16	40	100	16	
36000558	4F55C-16X150	Ø16	55	150	16	
36000560	4F55C-16X200	Ø16	65	200	16	
36000562	4F55C-18X100	Ø18	40	100	18	
36000564	4F55C-18X150	Ø18	55	150	18	
36000566	4F55C-20X100	Ø20	40	100	20	
36000568	4F55C-20X150	Ø20	55	150	20	
36000570	4F55C-20X200	Ø20	75	200	20	

直角平底立铣刀

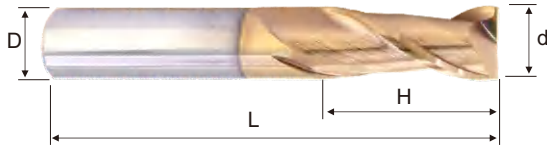
Right Angle Flat End Mill

2刃 HRC60° 平底钨钢立铣刀

2F Edge HRC60° Tungsten Steel Coated End Milling Cutter

应用：切削加工不锈钢及HRC60°以下钢材

Application: Milling Stainless Steel And Steel Hardness Under HRC60°.



4刃 HRC60° 平底钨钢立铣刀

4F Edge HRC60° Tungsten Steel Coated End Milling Cutter

应用：切削加工不锈钢及HRC60°以下钢材

Application: Milling Stainless Steel And Steel Hardness Under HRC60°.



订购编码 Order No.	规格型号 Type	尺寸 Dimensions (mm)				单价 (RMB) Price
		d	H	L	D	
36000600	2F60C-1X50	Ø1.0	3	50	4	
36000602	2F60C-1.5X50	Ø1.5	4	50	4	
36000604	2F60C-2X50	Ø2.0	6	50	4	
36000606	2F60C-2.5X50	Ø2.5	7	50	4	
36000608	2F60C-3X3X50	Ø3.0	8	50	3	
36000610	2F60C-3X4X50	Ø3.0	8	50	4	
36000612	2F60C-3.5X50	Ø3.5	10	50	4	
36000614	2F60C-4X50	Ø4.0	10	50	4	
36000616	2F60C-4X75	Ø4.0	20	75	4	
36000618	2F60C-4X100	Ø4.0	25	100	4	
36000620	2F60C-5X5X50	Ø5.0	13	50	5	
36000622	2F60C-5X6X50	Ø5.0	13	50	6	
36000624	2F60C-6X50	Ø6.0	15	50	6	
36000626	2F60C-6X75	Ø6.0	20	75	6	
36000628	2F60C-6X100	Ø6.0	30	100	6	
36000630	2F60C-6X150	Ø6.0	30	150	6	
36000632	2F60C-8X60	Ø8.0	20	60	8	
36000634	2F60C-8X75	Ø8.0	25	75	8	
36000636	2F60C-8X100	Ø8.0	35	100	8	
36000638	2F60C-8X150	Ø8.0	40	150	8	
36000640	2F60C-10X75	Ø10	25	75	10	
36000642	2F60C-10X100	Ø10	40	100	10	
36000644	2F60C-10X150	Ø10	45	150	10	
36000646	2F60C-12X75	Ø12	30	75	12	
36000648	2F60C-12X100	Ø12	45	100	12	
36000650	2F60C-12X150	Ø12	50	150	12	
36000652	2F60C-14X100	Ø14	40	100	14	
36000654	2F60C-14X150	Ø14	50	150	14	
36000656	2F60C-16X100	Ø16	40	100	16	
36000658	2F60C-16X150	Ø16	55	150	16	
36000660	2F60C-16X200	Ø16	65	200	16	
36000662	2F60C-18X100	Ø18	40	100	18	
36000664	2F60C-18X150	Ø18	55	150	18	
36000666	2F60C-20X100	Ø20	40	100	20	
36000668	2F60C-20X150	Ø20	55	150	20	
36000670	2F60C-20X200	Ø20	75	200	20	

订购编码 Order No.	规格型号 Type	尺寸 Dimensions (mm)				单价 (RMB) Price
		d	H	L	D	
36000700	4F60C-1X50	Ø1.0	3	50	4	
36000702	4F60C-1.5X50	Ø1.5	4	50	4	
36000704	4F60C-2X50	Ø2.0	6	50	4	
36000706	4F60C-2.5X50	Ø2.5	7	50	4	
36000708	4F60C-3X3X50	Ø3.0	8	50	3	
36000710	4F60C-3X4X50	Ø3.0	8	50	4	
36000712	4F60C-3.5X50	Ø3.5	10	50	4	
36000714	4F60C-4X50	Ø4.0	10	50	4	
36000716	4F60C-4X75	Ø4.0	20	75	4	
36000718	4F60C-4X100	Ø4.0	25	100	4	
36000720	4F60C-5X5X50	Ø5.0	13	50	5	
36000722	4F60C-5X6X50	Ø5.0	13	50	6	
36000724	4F60C-6X50	Ø6.0	15	50	6	
36000726	4F60C-6X75	Ø6.0	20	75	6	
36000728	4F60C-6X100	Ø6.0	30	100	6	
36000730	4F60C-6X150	Ø6.0	30	150	6	
36000732	4F60C-8X60	Ø8.0	20	60	8	
36000734	4F60C-8X75	Ø8.0	25	75	8	
36000736	4F60C-8X100	Ø8.0	35	100	8	
36000738	4F60C-8X150	Ø8.0	40	150	8	
36000740	4F60C-10X75	Ø10	25	75	10	
36000742	4F60C-10X100	Ø10	40	100	10	
36000744	4F60C-10X150	Ø10	45	150	10	
36000746	4F60C-12X75	Ø12	30	75	12	
36000748	4F60C-12X100	Ø12	45	100	12	
36000750	4F60C-12X150	Ø12	50	150	12	
36000752	4F60C-14X100	Ø14	40	100	14	
36000754	4F60C-14X150	Ø14	50	150	14	
36000756	4F60C-16X100	Ø16	40	100	16	
36000758	4F60C-16X150	Ø16	55	150	16	
36000760	4F60C-16X200	Ø16	65	200	16	
36000762	4F60C-18X100	Ø18	40	100	18	
36000764	4F60C-18X150	Ø18	55	150	18	
36000766	4F60C-20X100	Ø20	40	100	20	
36000768	4F60C-20X150	Ø20	55	150	20	
36000770	4F60C-20X200	Ø20	75	200	20	

铣刀
锯片
成型刀

钨钢
平底
铣刀

深沟
铣刀

微小
直径
铣刀

圆鼻
铣刀

球头
铣刀

粗皮
铣刀

锥度
铣刀

焊刃
铣刀

倒角
铣刀

T型
槽刀

燕尾
槽刀

锯片
三面
刃侧
铣刀

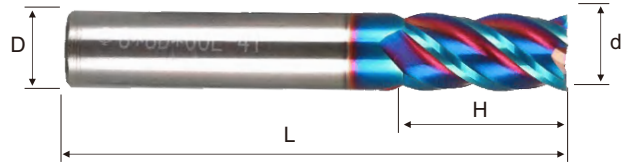
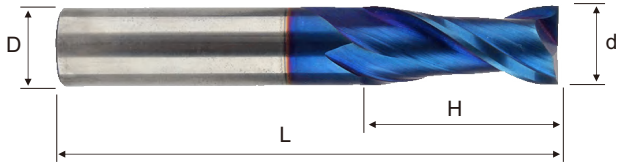
钨钢
圆棒

2刃 HRC65° 平底钨钢立铣刀
2F Edge HRC65° Tungsten Steel Coated End Milling Cutter

4刃 HRC65° 平底钨钢立铣刀
4F Edge HRC65° Tungsten Steel Coated End Milling Cutter

应用：切削加工不锈钢及HRC65°以下钢材
Application: Milling Stainless Steel And Steel Hardness Under HRC65°.

应用：切削加工不锈钢及HRC65°以下钢材
Application: Milling Stainless Steel And Steel Hardness Under HRC65°.



铣刀
锯片
成型刀

钨钢
平底
铣刀

订购编码 Order No.	规格型号 Type	尺寸 Dimensions (mm)				单价 (RMB) Price	订购编码 Order No.	规格型号 Type	尺寸 Dimensions (mm)				单价 (RMB) Price
		d	H	L	D				d	H	L	D	
36000800	2F65C-1X50	Ø1.0	3	50	4		36000900	4F65C-1X50	Ø1.0	3	50	4	
36000802	2F65C-1.5X50	Ø1.5	4	50	4		36000902	4F65C-1.5X50	Ø1.5	4	50	4	
36000804	2F65C-2X50	Ø2.0	6	50	4		36000904	4F65C-2X50	Ø2.0	6	50	4	
36000806	2F65C-2.5X50	Ø2.5	7	50	4		36000906	4F65C-2.5X50	Ø2.5	7	50	4	
36000808	2F65C-3X3X50	Ø3.0	8	50	3		36000908	4F65C-3X3X50	Ø3.0	8	50	3	
36000810	2F65C-3X4X50	Ø3.0	8	50	4		36000910	4F65C-3X4X50	Ø3.0	8	50	4	
36000812	2F65C-3.5X50	Ø3.5	10	50	4		36000912	4F65C-3.5X50	Ø3.5	10	50	4	
36000814	2F65C-4X50	Ø4.0	10	50	4		36000914	4F65C-4X50	Ø4.0	10	50	4	
36000816	2F65C-4X75	Ø4.0	20	75	4		36000916	4F65C-4X75	Ø4.0	20	75	4	
36000818	2F65C-4X100	Ø4.0	25	100	4		36000918	4F65C-4X100	Ø4.0	25	100	4	
36000820	2F65C-5X5X50	Ø5.0	13	50	5		36000920	4F65C-5X5X50	Ø5.0	13	50	5	
36000822	2F65C-5X6X50	Ø5.0	13	50	6		36000922	4F65C-5X6X50	Ø5.0	13	50	6	
36000824	2F65C-6X50	Ø6.0	15	50	6		36000924	4F65C-6X50	Ø6.0	15	50	6	
36000826	2F65C-6X75	Ø6.0	20	75	6		36000926	4F65C-6X75	Ø6.0	20	75	6	
36000828	2F65C-6X100	Ø6.0	30	100	6		36000928	4F65C-6X100	Ø6.0	30	100	6	
36000830	2F65C-6X150	Ø6.0	30	150	6		36000930	4F65C-6X150	Ø6.0	30	150	6	
36000832	2F65C-8X60	Ø8.0	20	60	8		36000932	4F65C-8X60	Ø8.0	20	60	8	
36000834	2F65C-8X75	Ø8.0	25	75	8		36000934	4F65C-8X75	Ø8.0	25	75	8	
36000836	2F65C-8X100	Ø8.0	35	100	8		36000936	4F65C-8X100	Ø8.0	35	100	8	
36000838	2F65C-8X150	Ø8.0	40	150	8		36000938	4F65C-8X150	Ø8.0	40	150	8	
36000840	2F65C-10X75	Ø10	25	75	10		36000940	4F65C-10X75	Ø10	25	75	10	
36000842	2F65C-10X100	Ø10	40	100	10		36000942	4F65C-10X100	Ø10	40	100	10	
36000844	2F65C-10X150	Ø10	45	150	10		36000944	4F65C-10X150	Ø10	45	150	10	
36000846	2F65C-12X75	Ø12	30	75	12		36000946	4F65C-12X75	Ø12	30	75	12	
36000848	2F65C-12X100	Ø12	45	100	12		36000948	4F65C-12X100	Ø12	45	100	12	
36000850	2F65C-12X150	Ø12	50	150	12		36000950	4F65C-12X150	Ø12	50	150	12	
36000852	2F65C-14X100	Ø14	40	100	14		36000952	4F65C-14X100	Ø14	40	100	14	
36000854	2F65C-14X150	Ø14	50	150	14		36000954	4F65C-14X150	Ø14	50	150	14	
36000856	2F65C-16X100	Ø16	40	100	16		36000956	4F65C-16X100	Ø16	40	100	16	
36000858	2F65C-16X150	Ø16	55	150	16		36000958	4F65C-16X150	Ø16	55	150	16	
36000860	2F65C-16X200	Ø16	65	200	16		36000960	4F65C-16X200	Ø16	65	200	16	
36000862	2F65C-18X100	Ø18	40	100	18		36000962	4F65C-18X100	Ø18	40	100	18	
36000864	2F65C-18X150	Ø18	55	150	18		36000964	4F65C-18X150	Ø18	55	150	18	
36000866	2F65C-20X100	Ø20	40	100	20		36000966	4F65C-20X100	Ø20	40	100	20	
36000868	2F65C-20X150	Ø20	55	150	20		36000968	4F65C-20X150	Ø20	55	150	20	
36000870	2F65C-20X200	Ø20	75	200	20		36000970	4F65C-20X200	Ø20	75	200	20	

直角平底立铣刀

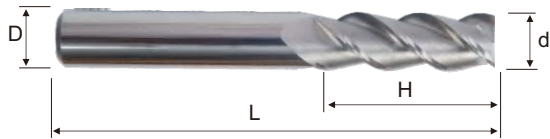
Right Angle Flat End Mill

4刃HRC50° 平底钨钢立铣刀-无涂层

4F Edge HRC50° Tungsten Steel Coated End Milling Cutter-Nothing Coating

应用：切削加工HRC45°以下钢材

Application: Milling Stainless Steel And Steel Hardness Under HRC45°.

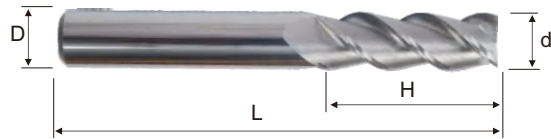


4刃HRC55° 平底钨钢立铣刀-无涂层

4F Edge HRC55° Tungsten Steel Coated End Milling Cutter-Nothing Coating

应用：切削加工HRC50°以下钢材

Application: Milling Stainless Steel And Steel Hardness Under HRC50°.



订购编码 Order No.	规格型号 Type	尺寸 Dimensions (mm)				单价 (RMB) Price
		d	H	L	D	
36002700	AL-4F50C-1X50	Ø1.0	3	50	4	
36002702	AL-4F50C-1.5X50	Ø1.5	4	50	4	
36002704	AL-4F50C-2X50	Ø2.0	6	50	4	
36002706	AL-4F50C-2.5X50	Ø2.5	7	50	4	
36002708	AL-4F50C-3X3X50	Ø3.0	8	50	3	
36002710	AL-4F50C-3X4X50	Ø3.0	8	50	4	
36002712	AL-4F50C-3.5X50	Ø3.5	10	50	4	
36002714	AL-4F50C-4X50	Ø4.0	10	50	4	
36002716	AL-4F50C-4X75	Ø4.0	20	75	4	
36002718	AL-4F50C-4X100	Ø4.0	25	100	4	
36002720	AL-4F50C-5X5X50	Ø5.0	13	50	5	
36002722	AL-4F50C-5X6X50	Ø5.0	13	50	6	
36002724	AL-4F50C-6X50	Ø6.0	15	50	6	
36002726	AL-4F50C-6X75	Ø6.0	20	75	6	
36002728	AL-4F50C-6X100	Ø6.0	30	100	6	
36002730	AL-4F50C-6X150	Ø6.0	30	150	6	
36002732	AL-4F50C-8X60	Ø8.0	20	60	8	
36002734	AL-4F50C-8X75	Ø8.0	25	75	8	
36002736	AL-4F50C-8X100	Ø8.0	35	100	8	
36002738	AL-4F50C-8X150	Ø8.0	40	150	8	
36002740	AL-4F50C-10X75	Ø10	25	75	10	
36002742	AL-4F50C-10X100	Ø10	40	100	10	
36002744	AL-4F50C-10X150	Ø10	45	150	10	
36002746	AL-4F50C-12X75	Ø12	30	75	12	
36002748	AL-4F50C-12X100	Ø12	45	100	12	
36002750	AL-4F50C-12X150	Ø12	50	150	12	
36002752	AL-4F50C-14X100	Ø14	40	100	14	
36002754	AL-4F50C-14X150	Ø14	50	150	14	
36002756	AL-4F50C-16X100	Ø16	40	100	16	
36002758	AL-4F50C-16X150	Ø16	55	150	16	
36002760	AL-4F50C-16X200	Ø16	65	200	16	
36002762	AL-4F50C-18X100	Ø18	40	100	18	
36002764	AL-4F50C-18X150	Ø18	55	150	18	
36002766	AL-4F50C-20X100	Ø20	40	100	20	
36002768	AL-4F50C-20X150	Ø20	55	150	20	
36002770	AL-4F50C-20X200	Ø20	75	200	20	

订购编码 Order No.	规格型号 Type	尺寸 Dimensions (mm)				单价 (RMB) Price
		d	H	L	D	
36003000	AL-4F55C-1X50	Ø1.0	3	50	4	
36003002	AL-4F55C-1.5X50	Ø1.5	4	50	4	
36003004	AL-4F55C-2X50	Ø2.0	6	50	4	
36003006	AL-4F55C-2.5X50	Ø2.5	7	50	4	
36003008	AL-4F55C-3X3X50	Ø3.0	8	50	3	
36003010	AL-4F55C-3X4X50	Ø3.0	8	50	4	
36003012	AL-4F55C-3.5X50	Ø3.5	10	50	4	
36003014	AL-4F55C-4X50	Ø4.0	10	50	4	
36003016	AL-4F55C-4X75	Ø4.0	20	75	4	
36003018	AL-4F55C-4X100	Ø4.0	25	100	4	
36003020	AL-4F55C-5X5X50	Ø5.0	13	50	5	
36003022	AL-4F55C-5X6X50	Ø5.0	13	50	6	
36003024	AL-4F55C-6X50	Ø6.0	15	50	6	
36003026	AL-4F55C-6X75	Ø6.0	20	75	6	
36003028	AL-4F55C-6X100	Ø6.0	30	100	6	
36003030	AL-4F55C-6X150	Ø6.0	30	150	6	
36003032	AL-4F55C-8X60	Ø8.0	20	60	8	
36003034	AL-4F55C-8X75	Ø8.0	25	75	8	
36003036	AL-4F55C-8X100	Ø8.0	35	100	8	
36003038	AL-4F55C-8X150	Ø8.0	40	150	8	
36003040	AL-4F55C-10X75	Ø10	25	75	10	
36003042	AL-4F55C-10X100	Ø10	40	100	10	
36003044	AL-4F55C-10X150	Ø10	45	150	10	
36003046	AL-4F55C-12X75	Ø12	30	75	12	
36003048	AL-4F55C-12X100	Ø12	45	100	12	
36003050	AL-4F55C-12X150	Ø12	50	150	12	
36003052	AL-4F55C-14X100	Ø14	40	100	14	
36003054	AL-4F55C-14X150	Ø14	50	150	14	
36003056	AL-4F55C-16X100	Ø16	40	100	16	
36003058	AL-4F55C-16X150	Ø16	55	150	16	
36003060	AL-4F55C-16X200	Ø16	65	200	16	
36003062	AL-4F55C-18X100	Ø18	40	100	18	
36003064	AL-4F55C-18X150	Ø18	55	150	18	
36003066	AL-4F55C-20X100	Ø20	40	100	20	
36003068	AL-4F55C-20X150	Ø20	55	150	20	
36003070	AL-4F55C-20X200	Ø20	75	200	20	

铣刀
锯片
成型刀

钨钢
平底
铣刀

深沟
铣刀

微小
直径
铣刀

圆鼻
铣刀

球头
铣刀

粗皮
铣刀

锥度
铣刀

焊刃
铣刀

倒角
铣刀

T型
槽刀

燕尾
槽刀

锯片
三面
刃侧
铣刀

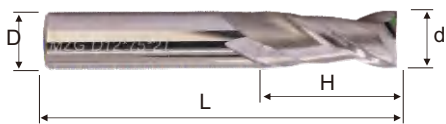
钨钢
圆棒

2刃 HRC50° 平底钨钢立铣刀-无涂层

4F Edge HRC50° Tungsten Steel Coated End Milling Cutter-Nothing Coating

应用：铣削钢材HRC50°以下硬度以及铜和铝等有色金属材料

Application: Milling the steel hardness under HRC50° and Nonferrous metal materials such as copper and aluminum

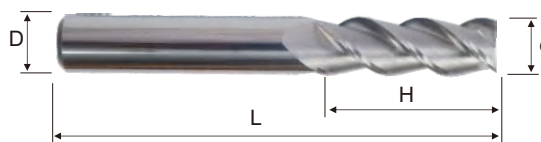


3刃 HRC50° 平底钨钢立铣刀-无涂层

3F Edge HRC50° Tungsten Steel Coated End Milling Cutter-Nothing Coating

应用：铣削钢材HRC50°以下硬度以及铜和铝等有色金属材料

Application: Milling the steel hardness under HRC50° and Nonferrous metal materials such as copper and aluminum



铣刀
锯片
成型刀

钨钢
平底
铣刀

订购编码 Order No.	规格型号 Type	尺寸 Dimensions (mm)				单价 (RMB) Price
		d	H	L	D	
36002800	AL-2F50C-1X50	Ø1.0	3	50	4	
36002802	AL-2F50C-1.5X50	Ø1.5	4	50	4	
36002804	AL-2F50C-2X50	Ø2.0	6	50	4	
36002806	AL-2F50C-2.5X50	Ø2.5	7	50	4	
36002808	AL-2F50C-3X3X50	Ø3.0	8	50	3	
36002810	AL-2F50C-3X4X50	Ø3.0	8	50	4	
36002812	AL-2F50C-3.5X50	Ø3.5	10	50	4	
36002814	AL-2F50C-4X50	Ø4.0	10	50	4	
36002816	AL-2F50C-4X75	Ø4.0	20	75	4	
36002818	AL-2F50C-4X100	Ø4.0	25	100	4	
36002820	AL-2F50C-5X5X50	Ø5.0	13	50	5	
36002822	AL-2F50C-5X6X50	Ø5.0	13	50	6	
36002824	AL-2F50C-6X50	Ø6.0	15	50	6	
36002826	AL-2F50C-6X75	Ø6.0	20	75	6	
36002828	AL-2F50C-6X100	Ø6.0	30	100	6	
36002830	AL-2F50C-6X150	Ø6.0	30	150	6	
36002832	AL-2F50C-8X60	Ø8.0	20	60	8	
36002834	AL-2F50C-8X75	Ø8.0	25	75	8	
36002836	AL-2F50C-8X100	Ø8.0	35	100	8	
36002838	AL-2F50C-8X150	Ø8.0	40	150	8	
36002840	AL-2F50C-10X75	Ø10	25	75	10	
36002842	AL-2F50C-10X100	Ø10	40	100	10	
36002844	AL-2F50C-10X150	Ø10	45	150	10	
36002846	AL-2F50C-12X75	Ø12	30	75	12	
36002848	AL-2F50C-12X100	Ø12	45	100	12	
36002850	AL-2F50C-12X150	Ø12	50	150	12	
36002852	AL-2F50C-14X100	Ø14	40	100	14	
36002854	AL-2F50C-14X150	Ø14	50	150	14	
36002856	AL-2F50C-16X100	Ø16	40	100	16	
36002858	AL-2F50C-16X150	Ø16	55	150	16	
36002860	AL-2F50C-16X200	Ø16	65	200	16	
36002862	AL-2F50C-18X100	Ø18	40	100	18	
36002864	AL-2F50C-18X150	Ø18	55	150	18	
36002866	AL-2F50C-20X100	Ø20	40	100	20	
36002868	AL-2F50C-20X150	Ø20	55	150	20	
36002870	AL-2F50C-20X200	Ø20	75	200	20	

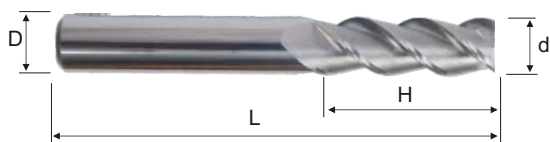
订购编码 Order No.	规格型号 Type	尺寸 Dimensions (mm)				单价 (RMB) Price
		d	H	L	D	
36002900	AL-3F50C-1X50	Ø1.0	3	50	4	
36002902	AL-3F50C-1.5X50	Ø1.5	4	50	4	
36002904	AL-3F50C-2X50	Ø2.0	6	50	4	
36002906	AL-3F50C-2.5X50	Ø2.5	7	50	4	
36002908	AL-3F50C-3X3X50	Ø3.0	8	50	3	
36002910	AL-3F50C-3X4X50	Ø3.0	8	50	4	
36002912	AL-3F50C-3.5X50	Ø3.5	10	50	4	
36002914	AL-3F50C-4X50	Ø4.0	10	50	4	
36002916	AL-3F50C-4X75	Ø4.0	20	75	4	
36002918	AL-3F50C-4X100	Ø4.0	25	100	4	
36002920	AL-3F50C-5X5X50	Ø5.0	13	50	5	
36002922	AL-3F50C-5X6X50	Ø5.0	13	50	6	
36002924	AL-3F50C-6X50	Ø6.0	15	50	6	
36002926	AL-3F50C-6X75	Ø6.0	20	75	6	
36002928	AL-3F50C-6X100	Ø6.0	30	100	6	
36002930	AL-3F50C-6X150	Ø6.0	30	150	6	
36002932	AL-3F50C-8X60	Ø8.0	20	60	8	
36002934	AL-3F50C-8X75	Ø8.0	25	75	8	
36002936	AL-3F50C-8X100	Ø8.0	35	100	8	
36002938	AL-3F50C-8X150	Ø8.0	40	150	8	
36002940	AL-3F50C-10X75	Ø10	25	75	10	
36002942	AL-3F50C-10X100	Ø10	40	100	10	
36002944	AL-3F50C-10X150	Ø10	45	150	10	
36002946	AL-3F50C-12X75	Ø12	30	75	12	
36002948	AL-3F50C-12X100	Ø12	45	100	12	
36002950	AL-3F50C-12X150	Ø12	50	150	12	
36002952	AL-3F50C-14X100	Ø14	40	100	14	
36002954	AL-3F50C-14X150	Ø14	50	150	14	
36002956	AL-3F50C-16X100	Ø16	40	100	16	
36002958	AL-3F50C-16X150	Ø16	55	150	16	
36002960	AL-3F50C-16X200	Ø16	65	200	16	
36002962	AL-3F50C-18X100	Ø18	40	100	18	
36002964	AL-3F50C-18X150	Ø18	55	150	18	
36002966	AL-3F50C-20X100	Ø20	40	100	20	
36002968	AL-3F50C-20X150	Ø20	55	150	20	
36002970	AL-3F50C-20X200	Ø20	75	200	20	

3刃 HRC55° 平底钨钢铝用高光立铣刀

3F Edge HRC55° High gloss end mill for tungsten steel and aluminum

应用：铣削钢材HRC55°以下硬度以及铜和铝等有色金属材料

Application: Milling the steel hardness under HRC55° and Nonferrous metal materials such as copper and aluminum



订购编码 Order No.	规格型号 Type	尺寸 Dimensions (mm)				单价 (RMB) Price
		d	H	L	D	
36003100	ALG-3F55C-1X50	Ø1.0	3	50	4	
36003102	ALG-3F55C-1.5X50	Ø1.5	4	50	4	
36003104	ALG-3F55C-2X50	Ø2.0	6	50	4	
36003106	ALG-3F55C-2.5X50	Ø2.5	7	50	4	
36003108	ALG-3F55C-3X3X50	Ø3.0	8	50	3	
36003110	ALG-3F55C-3X4X50	Ø3.0	8	50	4	
36003112	ALG-3F55C-3.5X50	Ø3.5	10	50	4	
36003114	ALG-3F55C-4X50	Ø4.0	10	50	4	
36003116	ALG-3F55C-4X75	Ø4.0	20	75	4	
36003118	ALG-3F55C-4X100	Ø4.0	25	100	4	
36003120	ALG-3F55C-5X5X50	Ø5.0	13	50	5	
36003122	ALG-3F55C-5X6X50	Ø5.0	13	50	6	
36003124	ALG-3F55C-6X50	Ø6.0	15	50	6	
36003126	ALG-3F55C-6X75	Ø6.0	20	75	6	
36003128	ALG-3F55C-6X100	Ø6.0	30	100	6	
36003130	ALG-3F55C-6X150	Ø6.0	30	150	6	
36003132	ALG-3F55C-8X60	Ø8.0	20	60	8	
36003134	ALG-3F55C-8X75	Ø8.0	25	75	8	
36003136	ALG-3F55C-8X100	Ø8.0	35	100	8	
36003138	ALG-3F55C-8X150	Ø8.0	40	150	8	
36003140	ALG-3F55C-10X75	Ø10	25	75	10	
36003142	ALG-3F55C-10X100	Ø10	40	100	10	
36003144	ALG-3F55C-10X150	Ø10	45	150	10	
36003146	ALG-3F55C-12X75	Ø12	30	75	12	
36003148	ALG-3F55C-12X100	Ø12	45	100	12	
36003150	ALG-3F55C-12X150	Ø12	50	150	12	
36003152	ALG-3F55C-14X100	Ø14	40	100	14	
36003154	ALG-3F55C-14X150	Ø14	50	150	14	
36003156	ALG-3F55C-16X100	Ø16	40	100	16	
36003158	ALG-3F55C-16X150	Ø16	55	150	16	
36003160	ALG-3F55C-16X200	Ø16	65	200	16	
36003162	ALG-3F55C-18X100	Ø18	40	100	18	
36003164	ALG-3F55C-18X150	Ø18	55	150	18	
36003166	ALG-3F55C-20X100	Ø20	40	100	20	
36003168	ALG-3F55C-20X150	Ø20	55	150	20	
36003170	ALG-3F55C-20X200	Ø20	75	200	20	

铣刀
锯片
成型刀

钨钢
平底
铣刀

深沟
铣刀

微小
直径
铣刀

圆鼻
铣刀

球头
铣刀

粗皮
铣刀

锥度
铣刀

焊刃
铣刀

倒角
铣刀

T型
槽刀

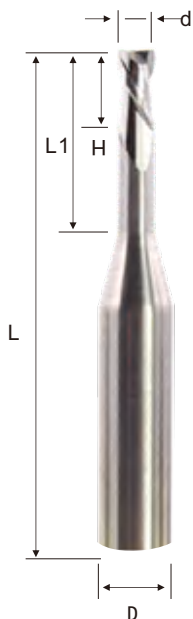
燕尾
槽刀

锯片
三面
刃侧
铣刀

钨钢
圆棒

2刃深沟长颈钨钢平底立铣刀-无涂层 2 Edge Tungsten Steel Uncoated Deep Ditch End Milling Cutter

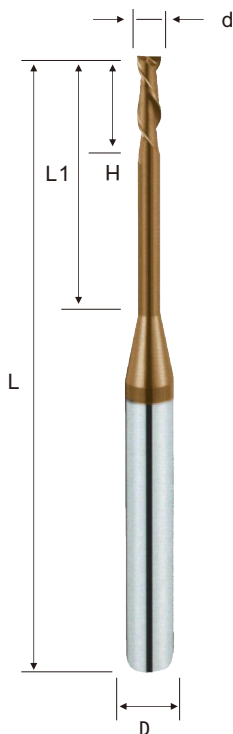
应用：铣削钢和铜、铝等有色金属材料
Application: Milling Steel And Nonferrous Metal Materials Such As Copper And Aluminum



订购编码 Order No.	规格型号 Type	尺寸 Dimensions (mm)					单价 (RMB) Price
		d	H	L1	L	D	
36004100	AL-SG2F60C-0.5L2	Ø0.5	0.8	2	50	4	100
36004102	AL-SG2F60C-0.5L4	Ø0.5	0.8	4	50	4	100
36004104	AL-SG2F60C-0.5L6	Ø0.5	0.8	6	50	4	100
36004106	AL-SG2F60C-0.6L2	Ø0.6	1	2	50	4	100
36004108	AL-SG2F60C-1L6	Ø1	1.5	6	50	4	100
36004110	AL-SG2F60C-1L8	Ø1	1.5	8	50	4	100
36004112	AL-SG2F60C-1L10	Ø1	1.5	10	50	4	100
36004114	AL-SG2F60C-1.5L6	Ø1.5	2	6	50	4	100
36004116	AL-SG2F60C-1.5L8	Ø1.5	2	8	50	4	100
36004118	AL-SG2F60C-1.5L10	Ø1.5	2	10	50	4	100
36004120	AL-SG2F60C-1.5L12	Ø1.5	2	12	50	4	100
36004122	AL-SG2F60C-2L8	Ø2	2.5	8	50	4	100
36004124	AL-SG2F60C-2L10	Ø2	2.5	10	50	4	100
36004126	AL-SG2F60C-2L12	Ø2	2.5	12	50	4	100
36004128	AL-SG2F60C-2L14	Ø2	2.5	14	50	4	100
36004130	AL-SG2F60C-2L16	Ø2	2.5	16	50	4	100
36004132	AL-SG2F60C-2.5L8	Ø2.5	4	8	50	4	100
36004134	AL-SG2F60C-2.5L12	Ø2.5	4	12	50	4	100
36004136	AL-SG2F60C-2.5L16	Ø2.5	4	16	50	4	100
36004138	AL-SG2F60C-2.5L20	Ø2.5	4	20	50	4	100
36004140	AL-SG2F60C-3L10	Ø3	4.5	10	50	4	100
36004142	AL-SG2F60C-3L12	Ø3	4.5	12	50	4	100
36004144	AL-SG2F60C-3L16	Ø3	4.5	16	75	4	100
36004146	AL-SG2F60C-3L20	Ø3	4.5	20	75	4	100
36004148	AL-SG2F60C-4L12	Ø4	6	12	50	6	100
36004150	AL-SG2F60C-4L16	Ø4	6	16	60	6	100
36004152	AL-SG2F60C-4L20	Ø4	6	20	75	6	100
36004154	AL-SG2F60C-4L25	Ø4	6	25	75	6	100
36004156	AL-SG2F60C-4L30	Ø4	6	30	75	6	100
36004158	AL-SG2F60C-4L35	Ø4	6	35	75	6	100

2刃深沟长颈钨钢平底立铣刀-纳米涂层 2 Edge Tungsten Steel Coated Deep Ditch End Milling Cutter

应用：铣削HRC60°钢、铸铁及不锈钢等材料
Application: Milling HRC60° steel, cast iron and stainless steel

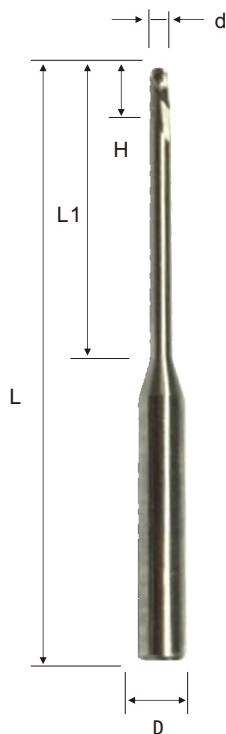


订购编码 Order No.	规格型号 Type	尺寸 Dimensions (mm)					单价 (RMB) Price
		d	H	L1	L	D	
36004200	SG2F60C-0.5L2	Ø0.5	0.8	2	50	4	100
36004202	SG2F60C-0.5L4	Ø0.5	0.8	4	50	4	100
36004204	SG2F60C-0.5L6	Ø0.5	0.8	6	50	4	100
36004206	SG2F60C-0.6L2	Ø0.6	1	2	50	4	100
36004208	SG2F60C-1L6	Ø1	1.5	6	50	4	100
36004210	SG2F60C-1L8	Ø1	1.5	8	50	4	100
36004212	SG2F60C-1L10	Ø1	1.5	10	50	4	100
36004214	SG2F60C-1.5L6	Ø1.5	2	6	50	4	100
36004216	SG2F60C-1.5L8	Ø1.5	2	8	50	4	100
36004218	SG2F60C-1.5L10	Ø1.5	2	10	50	4	100
36004220	SG2F60C-1.5L12	Ø1.5	2	12	50	4	100
36004222	SG2F60C-2L8	Ø2	2.5	8	50	4	100
36004224	SG2F60C-2L10	Ø2	2.5	10	50	4	100
36004226	SG2F60C-2L12	Ø2	2.5	12	50	4	100
36004228	SG2F60C-2L14	Ø2	2.5	14	50	4	100
36004230	SG2F60C-2L16	Ø2	2.5	16	50	4	100
36004232	SG2F60C-2.5L8	Ø2.5	4	8	50	4	100
36004234	SG2F60C-2.5L12	Ø2.5	4	12	50	4	100
36004236	SG2F60C-2.5L16	Ø2.5	4	16	50	4	100
36004238	SG2F60C-2.5L20	Ø2.5	4	20	50	4	100
36004240	SG2F60C-3L10	Ø3	4.5	10	50	4	100
36004242	SG2F60C-3L12	Ø3	4.5	12	50	4	100
36004244	SG2F60C-3L16	Ø3	4.5	16	75	4	100
36004246	SG2F60C-3L20	Ø3	4.5	20	75	4	100
36004248	SG2F60C-4L12	Ø4	6	12	50	6	100
36004250	SG2F60C-4L16	Ø4	6	16	60	6	100
36004252	SG2F60C-4L20	Ø4	6	20	75	6	100
36004254	SG2F60C-4L25	Ø4	6	25	75	6	100
36004256	SG2F60C-4L30	Ø4	6	30	75	6	100
36004258	SG2F60C-4L35	Ø4	6	35	75	6	100

2刃深沟长颈球头钨钢平底立铣刀-无涂层

2 Edge Tungsten Steel Uncoated Deep Ditch Ball Head End Milling Cutter

应用：铣削钢和铜、铝等有色金属材料
Application: Milling Steel And Nonferrous Metal Materials Such As Copper And Aluminum

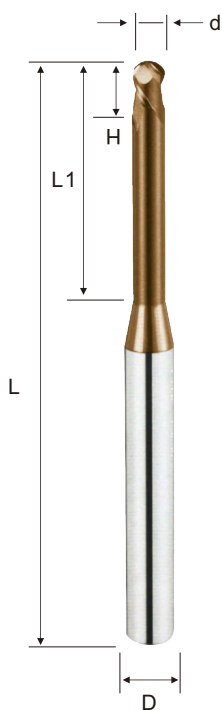


订购编码 Order No.	规格型号 Type	尺寸 Dimensions (mm)					单价 (RMB) Price
		d	H	L1	L	D	
36004300	AL-SG2F60C-R0.25L2	R0.25	0.8	2	50	4	100
36004302	AL-SG2F60C-R0.25L4	R0.25	0.8	4	50	4	100
36004304	AL-SG2F60C-R0.25L6	R0.25	0.8	6	50	4	100
36004306	AL-SG2F60C-R0.3L2	R0.3	1	2	50	4	100
36004308	AL-SG2F60C-R0.5L6	R0.5	1.5	6	50	4	100
36004310	AL-SG2F60C-R0.5L8	R0.5	1.5	8	50	4	100
36004312	AL-SG2F60C-R0.5L10	R0.5	1.5	10	50	4	100
36004314	AL-SG2F60C-R0.75L6	R0.75	2	6	50	4	100
36004316	AL-SG2F60C-R0.75L8	R0.75	2	8	50	4	100
36004318	AL-SG2F60C-R0.75L10	R0.75	2	10	50	4	100
36004320	AL-SG2F60C-R0.75L12	R0.75	2	12	50	4	100
36004322	AL-SG2F60C-R1L8	R1	2.5	8	50	4	100
36004324	AL-SG2F60C-R1L10	R1	2.5	10	50	4	100
36004326	AL-SG2F60C-R1L12	R1	2.5	12	50	4	100
36004328	AL-SG2F60C-R1L14	R1	2.5	14	50	4	100
36004330	AL-SG2F60C-R1L16	R1	2.5	16	50	4	100
36004332	AL-SG2F60C-R1.25L8	R1.25	4	8	50	4	100
36004334	AL-SG2F60C-R1.25L12	R1.25	4	12	50	4	100
36004336	AL-SG2F60C-R1.25L16	R1.25	4	16	50	4	100
36004338	AL-SG2F60C-R1.25L20	R1.25	4	20	50	4	100
36004340	AL-SG2F60C-R1.5L10	R1.5	4.5	10	50	4	100
36004342	AL-SG2F60C-R1.5L12	R1.5	4.5	12	50	4	100
36004344	AL-SG2F60C-R1.5L16	R1.5	4.5	16	75	4	100
36004346	AL-SG2F60C-R1.5L20	R1.5	4.5	20	75	4	100
36004348	AL-SG2F60C-R2L12	R2	6	12	50	6	100
36004350	AL-SG2F60C-R2L16	R2	6	16	60	6	100
36004352	AL-SG2F60C-R2L20	R2	6	20	75	6	100
36004354	AL-SG2F60C-R2L25	R2	6	25	75	6	100
36004356	AL-SG2F60C-R2L30	R2	6	30	75	6	100
36004358	AL-SG2F60C-R2L35	R2	6	35	75	6	100

2刃深沟长颈球头钨钢平底立铣刀-纳米涂层

2 Edge Tungsten Steel Coated Deep Ditch Ball Head End Milling Cutter

应用：铣削HRC60°钢、铸铁及不锈钢等材料
Application: Milling HRC60° steel, cast iron and stainless steel



订购编码 Order No.	规格型号 Type	尺寸 Dimensions (mm)					单价 (RMB) Price
		d	H	L1	L	D	
36004400	SG2F60C-R0.25L2	R0.25	0.8	2	50	4	100
36004402	SG2F60C-R0.25L4	R0.25	0.8	4	50	4	100
36004404	SG2F60C-R0.25L6	R0.25	0.8	6	50	4	100
36004406	SG2F60C-R0.3L2	R0.3	1	2	50	4	100
36004408	SG2F60C-R0.5L6	R0.5	1.5	6	50	4	100
36004410	SG2F60C-R0.5L8	R0.5	1.5	8	50	4	100
36004412	SG2F60C-R0.5L10	R0.5	1.5	10	50	4	100
36004414	SG2F60C-R0.75L6	R0.75	2	6	50	4	100
36004416	SG2F60C-R0.75L8	R0.75	2	8	50	4	100
36004418	SG2F60C-R0.75L10	R0.75	2	10	50	4	100
36004420	SG2F60C-R0.75L12	R0.75	2	12	50	4	100
36004422	SG2F60C-R1L8	R1	2.5	8	50	4	100
36004424	SG2F60C-R1L10	R1	2.5	10	50	4	100
36004426	SG2F60C-R1L12	R1	2.5	12	50	4	100
36004428	SG2F60C-R1L14	R1	2.5	14	50	4	100
36004430	SG2F60C-R1L16	R1	2.5	16	50	4	100
36004432	SG2F60C-R1.25L8	R1.25	4	8	50	4	100
36004434	SG2F60C-R1.25L12	R1.25	4	12	50	4	100
36004436	SG2F60C-R1.25L16	R1.25	4	16	50	4	100
36004438	SG2F60C-R1.25L20	R1.25	4	20	50	4	100
36004440	SG2F60C-R1.5L10	R1.5	4.5	10	50	4	100
36004442	SG2F60C-R1.5L12	R1.5	4.5	12	50	4	100
36004444	SG2F60C-R1.5L16	R1.5	4.5	16	75	4	100
36004446	SG2F60C-R1.5L20	R1.5	4.5	20	75	4	100
36004448	SG2F60C-R2L12	R2	6	12	50	6	100
36004450	SG2F60C-R2L16	R2	6	16	60	6	100
36004452	SG2F60C-R2L20	R2	6	20	75	6	100
36004454	SG2F60C-R2L25	R2	6	25	75	6	100
36004456	SG2F60C-R2L30	R2	6	30	75	6	100
36004458	SG2F60C-R2L35	R2	6	35	75	6	100

铣刀
锯片
成型刀

钨钢
平底
铣刀

深沟
铣刀

微小
直径
铣刀

圆鼻
铣刀

球头
铣刀

粗皮
铣刀

锥度
铣刀

焊刃
铣刀

倒角
铣刀

T型
槽刀

燕尾
槽刀

锯片
三面
刃侧
铣刀

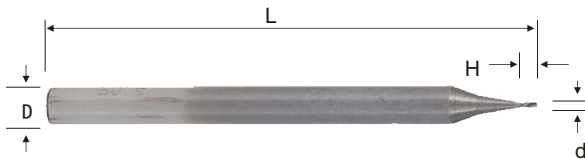
钨钢
圆棒

2刃微小径钨钢平底立铣刀-无涂层

2 Edge Tungsten Steel Uncoated Small Diameter End Milling Cutter

应用：铣削钢和铜、铝等有色金属材料

Application: Milling Steel And Nonferrous Metal Materials Such As Copper And Aluminum

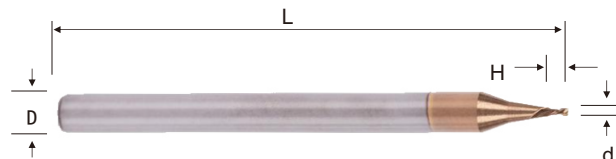


2刃微小径钨钢平底立铣刀-纳米涂层

2 Edge Tungsten Steel Coated Small Diameter End Milling Cutter

应用：铣削HRC60°钢、铸铁及不锈钢等材料

Application: Milling HRC60 ° steel, cast iron and stainless steel



铣刀
锯片
成型刀

钨钢
平底
铣刀

深沟
铣刀

微小
直径
铣刀

圆鼻
铣刀

球头
铣刀

粗皮
铣刀

锥度
铣刀

焊刃
铣刀

倒角
铣刀

T型
槽刀

燕尾
槽刀

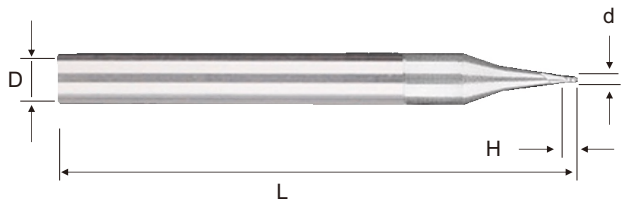
锯片
三面
刃铣刀

钨钢
圆棒

订购编码 Order No.	规格型号 Type	尺寸 Dimensions (mm)				单价 (RMB) Price	订购编码 Order No.	规格型号 Type	尺寸 Dimensions (mm)				单价 (RMB) Price
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36003500	AL-2F60C-0.3	Ø0.3	0.6	50	3	60	36003600	2F60C-0.3	Ø0.3	0.6	50	3	60
36003502	AL-2F60C-0.3	Ø0.3	0.6	50	4	60	36003602	2F60C-0.3	Ø0.3	0.6	50	4	60
36003504	AL-2F60C-0.4	Ø0.4	0.8	50	3	60	36003604	2F60C-0.4	Ø0.4	0.8	50	3	60
36003506	AL-2F60C-0.4	Ø0.4	0.8	50	4	60	36003606	2F60C-0.4	Ø0.4	0.8	50	4	60
36003508	AL-2F60C-0.5	Ø0.5	1	50	3	60	36003608	2F60C-0.5	Ø0.5	1	50	3	60
36003510	AL-2F60C-0.5	Ø0.5	1	50	4	60	36003610	2F60C-0.5	Ø0.5	1	50	4	60
36003512	AL-2F60C-0.6	Ø0.6	1.2	50	3	60	36003612	2F60C-0.6	Ø0.6	1.2	50	3	60
36003514	AL-2F60C-0.6	Ø0.6	1.2	50	4	60	36003614	2F60C-0.6	Ø0.6	1.2	50	4	60
36003516	AL-2F60C-0.7	Ø0.7	1.4	50	3	60	36003616	2F60C-0.7	Ø0.7	1.4	50	3	60
36003518	AL-2F60C-0.7	Ø0.7	1.4	50	4	60	36003618	2F60C-0.7	Ø0.7	1.4	50	4	60
36003520	AL-2F60C-0.8	Ø0.8	1.6	50	3	60	36003620	2F60C-0.8	Ø0.8	1.6	50	3	60
36003522	AL-2F60C-0.8	Ø0.8	1.6	50	4	60	36003622	2F60C-0.8	Ø0.8	1.6	50	4	60
36003524	AL-2F60C-0.9	Ø0.9	1.8	50	3	60	36003624	2F60C-0.9	Ø0.9	1.8	50	3	60
36003526	AL-2F60C-0.9	Ø0.9	1.8	50	4	60	36003626	2F60C-0.9	Ø0.9	1.8	50	4	60
36003528	AL-2F60C-1.1	Ø1.1	2.2	50	4	90	36003628	2F60C-1.1	Ø1.1	2.2	50	4	90
36003530	AL-2F60C-1.2	Ø1.2	2.4	50	4	90	36003630	2F60C-1.2	Ø1.2	2.4	50	4	90
36003532	AL-2F60C-1.3	Ø1.3	2.6	50	4	90	36003632	2F60C-1.3	Ø1.3	2.6	50	4	90
36003534	AL-2F60C-1.4	Ø1.4	2.8	50	4	90	36003634	2F60C-1.4	Ø1.4	2.8	50	4	90
36003536	AL-2F60C-1.6	Ø1.6	3.2	50	4	90	36003636	2F60C-1.6	Ø1.6	3.2	50	4	90
36003538	AL-2F60C-1.7	Ø1.7	3.4	50	4	90	36003638	2F60C-1.7	Ø1.7	3.4	50	4	90
36003540	AL-2F60C-1.8	Ø1.8	3.6	50	4	90	36003640	2F60C-1.8	Ø1.8	3.6	50	4	90
36003542	AL-2F60C-1.9	Ø1.9	3.8	50	4	90	36003642	2F60C-1.9	Ø1.9	3.8	50	4	90
36003544	AL-2F60C-2.1	Ø2.1	4.2	50	4	90	36003644	2F60C-2.1	Ø2.1	4.2	50	4	90
36003546	AL-2F60C-2.2	Ø2.2	4.4	50	4	90	36003646	2F60C-2.2	Ø2.2	4.4	50	4	90
36003548	AL-2F60C-2.3	Ø2.3	4.6	50	4	90	36003648	2F60C-2.3	Ø2.3	4.6	50	4	90
36003550	AL-2F60C-2.4	Ø2.4	4.8	50	4	90	36003650	2F60C-2.4	Ø2.4	4.8	50	4	90
36003552	AL-2F60C-2.6	Ø2.6	5.2	50	4	90	36003652	2F60C-2.6	Ø2.6	5.2	50	4	90
36003554	AL-2F60C-2.7	Ø2.7	5.4	50	4	90	36003654	2F60C-2.7	Ø2.7	5.4	50	4	90
36003556	AL-2F60C-2.8	Ø2.8	5.6	50	4	90	36003656	2F60C-2.8	Ø2.8	5.6	50	4	90
36003558	AL-2F60C-2.9	Ø2.9	5.8	50	4	90	36003658	2F60C-2.9	Ø2.9	5.8	50	4	90
36003560	AL-2F60C-4.5	Ø4.5	9	50	6	90	36003660	2F60C-4.5	Ø4.5	9	50	6	90
36003562	AL-2F60C-5.5	Ø5.5	11	50	6	90	36003662	2F60C-5.5	Ø5.5	11	50	6	90
36003564	AL-2F60C-6.5	Ø6.5	13	60	8	160	36003664	2F60C-6.5	Ø6.5	13	60	8	160
36003566	AL-2F60C-7	Ø7	14	60	8	160	36003666	2F60C-7	Ø7	14	60	8	160
36003568	AL-2F60C-7.5	Ø7.5	15	60	8	160	36003668	2F60C-7.5	Ø7.5	15	60	8	160
36003570	AL-2F60C-8.5	Ø8.5	17	75	10	260	36003670	2F60C-8.5	Ø8.5	17	75	10	260
36003572	AL-2F60C-9	Ø9	18	75	10	260	36003672	2F60C-9	Ø9	18	75	10	260
36003574	AL-2F60C-9.5	Ø9.5	19	75	10	260	36003674	2F60C-9.5	Ø9.5	19	75	10	260
36003576	AL-2F60C-11	Ø11	22	75	12	445	36003676	2F60C-11	Ø11	22	75	12	445
36003578	AL-2F60C-13	Ø13	26	100	14	775	36003678	2F60C-13	Ø13	26	100	14	775

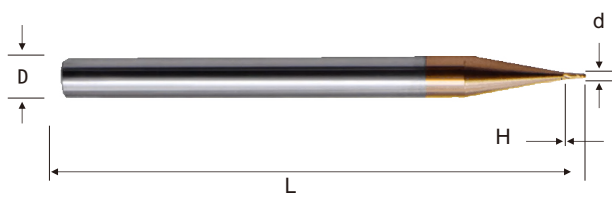
微小径钨钢球头立铣刀-2刃无涂层铝用
2 Edge Tungsten Steel Uncoated Small Diameter Ball Head End Milling Cutter

应用：铣削钢和铜、铝等有色金属材料
Application: Milling Steel And Nonferrous Metal Materials Such As Copper And Aluminum



微小径钨钢球头立铣刀-2刃涂层
2 Edge Tungsten Steel Coated Small Diameter Ball Head End Milling Cutter

应用：铣削HRC60°以下钢、铸铁及不锈钢材料
Application: Milling Stainless Steel And Steel Hardness Under HRC60°



订购编码 Order No.	规格型号 Type	尺寸 Dimensions (mm)				单价 (RMB) Price
		d	H	L	D	
36003700	AL-2F60C-R0.15	R0.15	0.6	50	3	60
36003702	AL-2F60C-R0.15	R0.15	0.6	50	4	60
36003704	AL-2F60C-R0.2	R0.2	0.8	50	3	60
36003706	AL-2F60C-R0.2	R0.2	0.8	50	4	60
36003708	AL-2F60C-R0.25	R0.25	1	50	3	60
36003710	AL-2F60C-R0.25	R0.25	1	50	4	60
36003712	AL-2F60C-R0.3	R0.3	1.2	50	3	60
36003714	AL-2F60C-R0.3	R0.3	1.2	50	4	60
36003716	AL-2F60C-R0.35	R0.35	1.4	50	3	60
36003718	AL-2F60C-R0.35	R0.35	1.4	50	4	60
36003720	AL-2F60C-R0.4	R0.4	1.6	50	3	60
36003722	AL-2F60C-R0.4	R0.4	1.6	50	4	60
36003724	AL-2F60C-R0.45	R0.45	1.8	50	3	60
36003726	AL-2F60C-R0.45	R0.45	1.8	50	4	60
36003728	AL-2F60C-R0.55	R0.55	2.2	50	4	90
36003730	AL-2F60C-R0.6	R0.6	2.4	50	4	90
36003732	AL-2F60C-R0.65	R0.65	2.6	50	4	90
36003734	AL-2F60C-R0.7	R0.7	2.8	50	4	90
36003736	AL-2F60C-R0.8	R0.8	3.2	50	4	90
36003738	AL-2F60C-R0.85	R0.85	3.4	50	4	90
36003740	AL-2F60C-R0.9	R0.9	3.6	50	4	90
36003742	AL-2F60C-R0.95	R0.95	3.8	50	4	90
36003744	AL-2F60C-R1.05	R1.05	4.2	50	4	90
36003746	AL-2F60C-R1.1	R1.1	4.4	50	4	90
36003748	AL-2F60C-R1.15	R1.15	4.6	50	4	90
36003750	AL-2F60C-R1.2	R1.2	4.8	50	4	90
36003752	AL-2F60C-R1.3	R1.3	5.2	50	4	90
36003754	AL-2F60C-R1.35	R1.35	5.4	50	4	90
36003756	AL-2F60C-R1.4	R1.4	5.6	50	4	90
36003758	AL-2F60C-R1.45	R1.45	5.8	50	4	90
36003760	AL-2F60C-R2.25	R2.25	9	50	6	90
36003762	AL-2F60C-R2.75	R2.75	11	50	6	90
36003764	AL-2F60C-R3.25	R3.25	13	60	8	160
36003766	AL-2F60C-R3.5	R3.5	14	60	8	160
36003768	AL-2F60C-R3.75	R3.75	15	60	8	160
36003770	AL-2F60C-R4.25	R4.25	17	75	10	260
36003772	AL-2F60C-R4.5	R4.5	18	75	10	260
36003774	AL-2F60C-R4.75	R4.75	19	75	10	260
36003776	AL-2F60C-R5.5	R5.5	22	75	12	445
36003778	AL-2F60C-R6.5	R6.5	26	100	14	775

订购编码 Order No.	规格型号 Type	尺寸 Dimensions (mm)				单价 (RMB) Price
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36003800	2F60C-R0.15	R0.15	0.6	50	3	60
36003802	2F60C-R0.15	R0.15	0.6	50	4	60
36003804	2F60C-R0.2	R0.2	0.8	50	3	60
36003806	2F60C-R0.2	R0.2	0.8	50	4	60
36003808	2F60C-R0.25	R0.25	1	50	3	60
36003810	2F60C-R0.25	R0.25	1	50	4	60
36003812	2F60C-R0.3	R0.3	1.2	50	3	60
36003814	2F60C-R0.3	R0.3	1.2	50	4	60
36003816	2F60C-R0.35	R0.35	1.4	50	3	60
36003818	2F60C-R0.35	R0.35	1.4	50	4	60
36003820	2F60C-R0.4	R0.4	1.6	50	3	60
36003822	2F60C-R0.4	R0.4	1.6	50	4	60
36003824	2F60C-R0.45	R0.45	1.8	50	3	60
36003826	2F60C-R0.45	R0.45	1.8	50	4	60
36003828	2F60C-R0.55	R0.55	2.2	50	4	90
36003830	2F60C-R0.6	R0.6	2.4	50	4	90
36003832	2F60C-R0.65	R0.65	2.6	50	4	90
36003834	2F60C-R0.7	R0.7	2.8	50	4	90
36003836	2F60C-R0.8	R0.8	3.2	50	4	90
36003838	2F60C-R0.85	R0.85	3.4	50	4	90
36003840	2F60C-R0.9	R0.9	3.6	50	4	90
36003842	2F60C-R0.95	R0.95	3.8	50	4	90
36003844	2F60C-R1.05	R1.05	4.2	50	4	90
36003846	2F60C-R1.1	R1.1	4.4	50	4	90
36003848	2F60C-R1.15	R1.15	4.6	50	4	90
36003850	2F60C-R1.2	R1.2	4.8	50	4	90
36003852	2F60C-R1.3	R1.3	5.2	50	4	90
36003854	2F60C-R1.35	R1.35	5.4	50	4	90
36003856	2F60C-R1.4	R1.4	5.6	50	4	90
36003858	2F60C-R1.45	R1.45	5.8	50	4	90
36003860	2F60C-R2.25	R2.25	9	50	6	90
36003862	2F60C-R2.75	R2.75	11	50	6	90
36003864	2F60C-R3.25	R3.25	13	60	8	160
36003866	2F60C-R3.5	R3.5	14	60	8	160
36003868	2F60C-R3.75	R3.75	15	60	8	160
36003870	2F60C-R4.25	R4.25	17	75	10	260
36003872	2F60C-R4.5	R4.5	18	75	10	260
36003874	2F60C-R4.75	R4.75	19	75	10	260
36003876	2F60C-R5.5	R5.5	22	75	12	445
36003878	2F60C-R6.5	R6.5	26	100	14	775

铣刀
锯片
成型刀

钨钢
平底
铣刀

深沟
铣刀

微小
径
铣刀

圆鼻
铣刀

球头
铣刀

粗皮
铣刀

锥度
铣刀

焊刃
铣刀

倒角
铣刀

T型
槽刀

燕尾
槽刀

锯片
三面
刃侧
铣刀

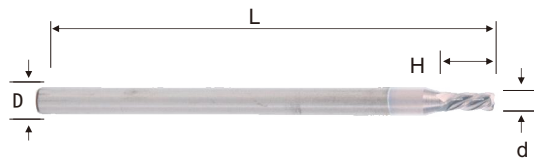
钨钢
圆棒

4刃钨钢平底立铣刀-无涂层

4 Edge Tungsten Steel Uncoated End Milling Cutter

应用：铣削钢和铜、铝等有色金属材料

Application: Milling Steel And Nonferrous Metal Materials Such As Copper And Aluminum

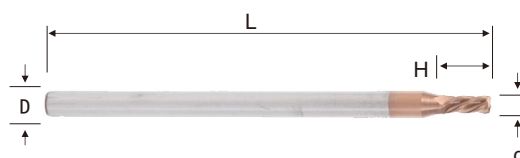


4刃钨钢平底立铣刀-纳米涂层

4 Edge Tungsten Steel Coated End Milling Cutter

应用：铣削HRC55°钢、铸铁及不锈钢等材料

Application: Milling HRC60 ° steel, cast iron and stainless steel



订购编码 Order No.	规格型号 Type	尺寸 Dimensions (mm)				单价 (RMB) Price	订购编码 Order No.	规格型号 Type	尺寸 Dimensions (mm)				单价 (RMB) Price
		d	H	L	D				d	H	L	D	
36003900	AL-4F55C-1.1	Ø1.1	2.2	50	4	90	36004000	4F55C-1.1	Ø1.1	2.2	50	4	90
36003902	AL-4F55C-1.2	Ø1.2	2.4	50	4	90	36004002	4F55C-1.2	Ø1.2	2.4	50	4	90
36003904	AL-4F55C-1.3	Ø1.3	2.6	50	4	90	36004004	4F55C-1.3	Ø1.3	2.6	50	4	90
36003906	AL-4F55C-1.4	Ø1.4	2.8	50	4	90	36004006	4F55C-1.4	Ø1.4	2.8	50	4	90
36003908	AL-4F55C-1.6	Ø1.6	3.2	50	4	90	36004008	4F55C-1.6	Ø1.6	3.2	50	4	90
36003910	AL-4F55C-1.7	Ø1.7	3.4	50	4	90	36004010	4F55C-1.7	Ø1.7	3.4	50	4	90
36003912	AL-4F55C-1.8	Ø1.8	3.6	50	4	90	36004012	4F55C-1.8	Ø1.8	3.6	50	4	90
36003914	AL-4F55C-1.9	Ø1.9	3.8	50	4	90	36004014	4F55C-1.9	Ø1.9	3.8	50	4	90
36003916	AL-4F55C-2.1	Ø2.1	4.2	50	4	90	36004016	4F55C-2.1	Ø2.1	4.2	50	4	90
36003918	AL-4F55C-2.2	Ø2.2	4.4	50	4	90	36004018	4F55C-2.2	Ø2.2	4.4	50	4	90
36003920	AL-4F55C-2.3	Ø2.3	4.6	50	4	90	36004020	4F55C-2.3	Ø2.3	4.6	50	4	90
36003922	AL-4F55C-2.4	Ø2.4	4.8	50	4	90	36004022	4F55C-2.4	Ø2.4	4.8	50	4	90
36003924	AL-4F55C-2.6	Ø2.6	5.2	50	4	90	36004024	4F55C-2.6	Ø2.6	5.2	50	4	90
36003926	AL-4F55C-2.7	Ø2.7	5.4	50	4	90	36004026	4F55C-2.7	Ø2.7	5.4	50	4	90
36003928	AL-4F55C-2.8	Ø2.8	5.6	50	4	90	36004028	4F55C-2.8	Ø2.8	5.6	50	4	90
36003930	AL-4F55C-2.9	Ø2.9	5.8	50	4	90	36004030	4F55C-2.9	Ø2.9	5.8	50	4	90
36003932	AL-4F55C-4.5	Ø4.5	9	50	6	90	36004032	4F55C-4.5	Ø4.5	9	50	6	90
36003934	AL-4F55C-5.5	Ø5.5	11	50	6	90	36004034	4F55C-5.5	Ø5.5	11	50	6	90
36003936	AL-4F55C-6.5	Ø6.5	13	60	8	160	36004036	4F55C-6.5	Ø6.5	13	60	8	160
36003938	AL-4F55C-7	Ø7	14	60	8	160	36004038	4F55C-7	Ø7	14	60	8	160
36003940	AL-4F55C-7.5	Ø7.5	15	60	8	160	36004040	4F55C-7.5	Ø7.5	15	60	8	160
36003942	AL-4F55C-8.5	Ø8.5	17	75	10	260	36004042	4F55C-8.5	Ø8.5	17	75	10	260
36003944	AL-4F55C-9	Ø9	18	75	10	260	36004044	4F55C-9	Ø9	18	75	10	260
36003946	AL-4F55C-9.5	Ø9.5	19	75	10	260	36004046	4F55C-9.5	Ø9.5	19	75	10	260
36003948	AL-4F55C-11	Ø11	22	75	12	445	36004048	4F55C-11	Ø11	22	75	12	445
36003950	AL-4F55C-13	Ø13	26	100	14	775	36004050	4F55C-13	Ø13	26	100	14	775

铣刀
锯片
成型刀

钨钢
平底
铣刀

深沟
铣刀

小直径
直铣刀

圆鼻
铣刀

球头
铣刀

粗皮
铣刀

锥度
铣刀

焊刃
铣刀

倒角
铣刀

T型
槽刀

燕尾
槽刀

锯片
三面
侧刀

钨钢
圆棒

铣刀
锯片
成型刀

钨钢
平底
铣刀

深沟
铣刀

小径
直铣刀

圆鼻
铣刀

球头
铣刀

粗皮
铣刀

锥度
铣刀

焊刃
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T型
槽刀

燕尾
槽刀

锯片
三面
侧铣刀

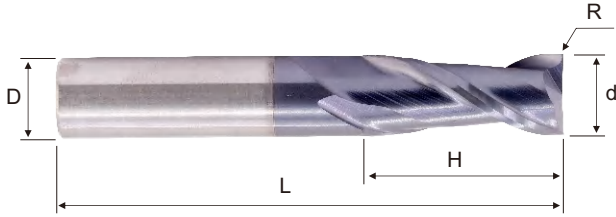
钨钢
圆棒

2刃 HRC45° 平底圆角钨钢立铣刀

2 Edge HRC45° Coated Tungsten Steel Round Angle End Mill

应用：切削加工HRC45°以下钢材

Application: Milling the steel hardness under HRC45°.

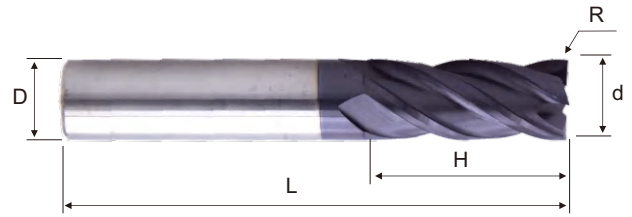


4刃 HRC45° 平底圆角钨钢立铣刀

4 Edge HRC45° Coated Tungsten Steel Round Angle End Mill

应用：切削加工HRC45°以下钢材

Application: Milling the steel hardness under HRC45°.



订购编码 Order No.	规格型号 Type	尺寸 Dimensions (mm)					单价 (RMB) Price
		d	R	H	L	D	
36001500	2F45C-1R0.2	Ø1	R0.2	2	50	4	50
36001502	2F45C-1.5R0.2	Ø1.5	R0.2	3	50	4	50
36001504	2F45C-1.5R0.2	Ø1.5	R0.2	3	50	4	50
36001506	2F45C-2R0.2	Ø2	R0.2	4	50	4	50
36001508	2F45C-2R0.5	Ø2	R0.5	4	50	4	50
36001510	2F45C-2.5R0.2	Ø2.5	R0.2	5	50	4	50
36001512	2F45C-2.5R0.5	Ø2.5	R0.5	5	50	4	50
36001514	2F45C-3R0.2	Ø3	R0.2	6	50	4	50
36001516	2F45C-3R0.5	Ø3	R0.5	6	50	4	50
36001518	2F45C-3R1	Ø3	R1.0	6	50	4	50
36001520	2F45C-4R0.2	Ø4	R0.2	8	50	4	50
36001522	2F45C-4R0.5	Ø4	R0.5	8	50	4	50
36001524	2F45C-4R1	Ø4	R1.0	8	50	4	50
36001526	2F45C-5R0.5	Ø5	R0.5	10	50	6	95
36001528	2F45C-5R1.0	Ø5	R1.0	10	50	6	95
36001530	2F45C-6R0.2	Ø6	R0.2	12	50	6	95
36001532	2F45C-6R0.5	Ø6	R0.5	12	50	6	95
36001534	2F45C-6R1	Ø6	R1.0	12	50	6	95
36001536	2F45C-6R1.5	Ø6	R1.5	12	50	6	95
36001538	2F45C-6R2	Ø6	R2.0	12	50	8	155
36001540	2F45C-8R0.5	Ø8	R0.5	16	60	8	155
36001542	2F45C-8R1.0	Ø8	R1.0	16	60	8	155
36001544	2F45C-8R1.5	Ø8	R1.5	16	60	8	155
36001546	2F45C-8R2	Ø8	R2.0	16	60	8	155
36001548	2F45C-10R0.5	Ø10	R0.5	20	75	10	245
36001550	2F45C-10R1	Ø10	R1.0	20	75	10	245
36001552	2F45C-10R1.5	Ø10	R1.5	20	75	10	245
36001554	2F45C-10R2	Ø10	R2.0	20	75	10	245
36001556	2F45C-10R2.5	Ø10	R2.5	20	75	10	245
36001558	2F45C-10R3	Ø10	R3.0	20	75	10	245
36001560	2F45C-12R0.5	Ø12	R0.5	24	75	12	320
36001562	2F45C-12R1	Ø12	R1.0	24	75	12	320
36001564	2F45C-12R1.5	Ø12	R1.5	24	75	12	320
36001566	2F45C-12R2	Ø12	R2.0	24	75	12	320
36001568	2F45C-12R2.5	Ø12	R2.5	24	75	12	320
36001570	2F45C-12R3	Ø12	R3.0	24	75	12	320

订购编码 Order No.	规格型号 Type	尺寸 Dimensions (mm)					单价 (RMB) Price
		d	R	H	L	D	
36001600	4F45C-1R0.2	Ø1	R0.2	2	50	4	50
36001602	4F45C-1.5R0.2	Ø1.5	R0.2	3	50	4	50
36001604	4F45C-1.5R0.2	Ø1.5	R0.2	3	50	4	50
36001606	4F45C-2R0.2	Ø2	R0.2	4	50	4	50
36001608	4F45C-2R0.5	Ø2	R0.5	4	50	4	50
36001610	4F45C-2.5R0.2	Ø2.5	R0.2	5	50	4	50
36001612	4F45C-2.5R0.5	Ø2.5	R0.5	5	50	4	50
36001614	4F45C-3R0.2	Ø3	R0.2	6	50	4	50
36001616	4F45C-3R0.5	Ø3	R0.5	6	50	4	50
36001618	4F45C-3R1	Ø3	R1.0	6	50	4	50
36001620	4F45C-4R0.2	Ø4	R0.2	8	50	4	50
36001622	4F45C-4R0.5	Ø4	R0.5	8	50	4	50
36001624	4F45C-4R1	Ø4	R1.0	8	50	4	50
36001626	4F45C-5R0.5	Ø5	R0.5	10	50	6	95
36001628	4F45C-5R1.0	Ø5	R1.0	10	50	6	95
36001630	4F45C-6R0.2	Ø6	R0.2	12	50	6	95
36001632	4F45C-6R0.5	Ø6	R0.5	12	50	6	95
36001634	4F45C-6R1	Ø6	R1.0	12	50	6	95
36001636	4F45C-6R1.5	Ø6	R1.5	12	50	6	95
36001638	4F45C-6R2	Ø6	R2.0	12	50	8	155
36001640	4F45C-8R0.5	Ø8	R0.5	16	60	8	155
36001642	4F45C-8R1.0	Ø8	R1.0	16	60	8	155
36001644	4F45C-8R1.5	Ø8	R1.5	16	60	8	155
36001646	4F45C-8R2	Ø8	R2.0	16	60	8	155
36001648	4F45C-10R0.5	Ø10	R0.5	20	75	10	245
36001650	4F45C-10R1	Ø10	R1.0	20	75	10	245
36001652	4F45C-10R1.5	Ø10	R1.5	20	75	10	245
36001654	4F45C-10R2	Ø10	R2.0	20	75	10	245
36001656	4F45C-10R2.5	Ø10	R2.5	20	75	10	245
36001658	4F45C-10R3	Ø10	R3.0	20	75	10	245
36001660	4F45C-12R0.5	Ø12	R0.5	24	75	12	320
36001662	4F45C-12R1	Ø12	R1.0	24	75	12	320
36001664	4F45C-12R1.5	Ø12	R1.5	24	75	12	320
36001666	4F45C-12R2	Ø12	R2.0	24	75	12	320
36001668	4F45C-12R2.5	Ø12	R2.5	24	75	12	320
36001670	4F45C-12R3	Ø12	R3.0	24	75	12	320

铣刀
锯片
成型刀

钨钢
平底
铣刀

深沟
铣刀

微小
直径
铣刀

圆鼻
铣刀

球头
铣刀

粗皮
铣刀

锥度
铣刀

焊刃
铣刀

倒角
铣刀

T型
槽刀

燕尾
槽刀

锯片
三面
刃铣刀

钨钢
圆棒

圆角立铣刀

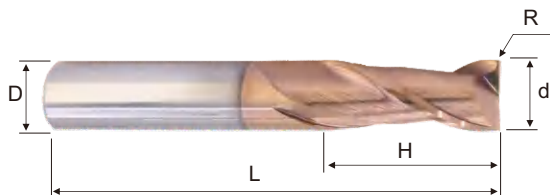
Fillet end mill

2刃 HRC50° 平底圆角钨钢立铣刀

2 Edge HRC50° Coated Tungsten Steel Round Angle End Mill

应用：切削加工HRC50°以下钢材

Application: Milling the steel hardness under HRC50°.

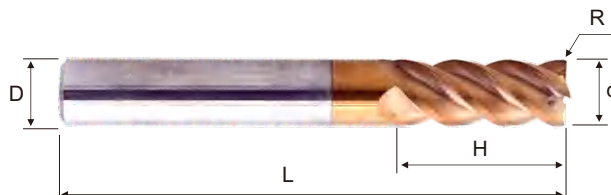


4刃 HRC50° 平底圆角钨钢立铣刀

4 Edge HRC50° Coated Tungsten Steel Round Angle End Mill

应用：切削加工HRC50°以下钢材

Application: Milling the steel hardness under HRC50°.



订购编码 Order No.	规格型号 Type	尺寸 Dimensions (mm)					单价 (RMB) Price
		d	R	H	L	D	
36001700	2F50C-1R0.2	Ø1	R0.2	2	50	4	65
36001702	2F50C-1.5R0.2	Ø1.5	R0.2	3	50	4	65
36001704	2F50C-1.5R0.2	Ø1.5	R0.2	3	50	4	65
36001706	2F50C-2R0.2	Ø2	R0.2	4	50	4	65
36001708	2F50C-2R0.5	Ø2	R0.5	4	50	4	65
36001710	2F50C-2.5R0.2	Ø2.5	R0.2	5	50	4	65
36001712	2F50C-2.5R0.5	Ø2.5	R0.5	5	50	4	65
36001714	2F50C-3R0.2	Ø3	R0.2	6	50	4	65
36001716	2F50C-3R0.5	Ø3	R0.5	6	50	4	65
36001718	2F50C-3R1	Ø3	R1.0	6	50	4	65
36001720	2F50C-4R0.2	Ø4	R0.2	8	50	4	65
36001722	2F50C-4R0.5	Ø4	R0.5	8	50	4	65
36001724	2F50C-4R1	Ø4	R1.0	8	50	4	65
36001726	2F50C-5R0.5	Ø5	R0.5	10	50	6	112.5
36001728	2F50C-5R1.0	Ø5	R1.0	10	50	6	112.5
36001730	2F50C-6R0.2	Ø6	R0.2	12	50	6	112.5
36001732	2F50C-6R0.5	Ø6	R0.5	12	50	6	112.5
36001734	2F50C-6R1	Ø6	R1.0	12	50	6	112.5
36001736	2F50C-6R1.5	Ø6	R1.5	12	50	6	112.5
36001738	2F50C-6R2	Ø6	R2.0	12	50	8	172.5
36001740	2F50C-8R0.5	Ø8	R0.5	16	60	8	172.5
36001742	2F50C-8R1.0	Ø8	R1.0	16	60	8	172.5
36001744	2F50C-8R1.5	Ø8	R1.5	16	60	8	172.5
36001746	2F50C-8R2	Ø8	R2.0	16	60	8	172.5
36001748	2F50C-10R0.5	Ø10	R0.5	20	75	10	295
36001750	2F50C-10R1	Ø10	R1.0	20	75	10	295
36001752	2F50C-10R1.5	Ø10	R1.5	20	75	10	295
36001754	2F50C-10R2	Ø10	R2.0	20	75	10	295
36001756	2F50C-10R2.5	Ø10	R2.5	20	75	10	295
36001758	2F50C-10R3	Ø10	R3.0	20	75	10	295
36001760	2F50C-12R0.5	Ø12	R0.5	24	75	12	405
36001762	2F50C-12R1	Ø12	R1.0	24	75	12	405
36001764	2F50C-12R1.5	Ø12	R1.5	24	75	12	405
36001766	2F50C-12R2	Ø12	R2.0	24	75	12	405
36001768	2F50C-12R2.5	Ø12	R2.5	24	75	12	405
36001770	2F50C-12R3	Ø12	R3.0	24	75	12	405

订购编码 Order No.	规格型号 Type	尺寸 Dimensions (mm)					单价 (RMB) Price
		d	R	H	L	D	
36001800	4F50C-1R0.2	Ø1	R0.2	2	50	4	65
36001802	4F50C-1.5R0.2	Ø1.5	R0.2	3	50	4	65
36001804	4F50C-1.5R0.2	Ø1.5	R0.2	3	50	4	65
36001806	4F50C-2R0.2	Ø2	R0.2	4	50	4	65
36001808	4F50C-2R0.5	Ø2	R0.5	4	50	4	65
36001810	4F50C-2.5R0.2	Ø2.5	R0.2	5	50	4	65
36001812	4F50C-2.5R0.5	Ø2.5	R0.5	5	50	4	65
36001814	4F50C-3R0.2	Ø3	R0.2	6	50	4	65
36001816	4F50C-3R0.5	Ø3	R0.5	6	50	4	65
36001818	4F50C-3R1	Ø3	R1.0	6	50	4	65
36001820	4F50C-4R0.2	Ø4	R0.2	8	50	4	65
36001822	4F50C-4R0.5	Ø4	R0.5	8	50	4	65
36001824	4F50C-4R1	Ø4	R1.0	8	50	4	65
36001826	4F50C-5R0.5	Ø5	R0.5	10	50	6	112.5
36001828	4F50C-5R1.0	Ø5	R1.0	10	50	6	112.5
36001830	4F50C-6R0.2	Ø6	R0.2	12	50	6	112.5
36001832	4F50C-6R0.5	Ø6	R0.5	12	50	6	112.5
36001834	4F50C-6R1	Ø6	R1.0	12	50	6	112.5
36001836	4F50C-6R1.5	Ø6	R1.5	12	50	6	112.5
36001838	4F50C-6R2	Ø6	R2.0	12	50	8	172.5
36001840	4F50C-8R0.5	Ø8	R0.5	16	60	8	172.5
36001842	4F50C-8R1.0	Ø8	R1.0	16	60	8	172.5
36001844	4F50C-8R1.5	Ø8	R1.5	16	60	8	172.5
36001846	4F50C-8R2	Ø8	R2.0	16	60	8	172.5
36001848	4F50C-10R0.5	Ø10	R0.5	20	75	10	295
36001850	4F50C-10R1	Ø10	R1.0	20	75	10	295
36001852	4F50C-10R1.5	Ø10	R1.5	20	75	10	295
36001854	4F50C-10R2	Ø10	R2.0	20	75	10	295
36001856	4F50C-10R2.5	Ø10	R2.5	20	75	10	295
36001858	4F50C-10R3	Ø10	R3.0	20	75	10	295
36001860	4F50C-12R0.5	Ø12	R0.5	24	75	12	405
36001862	4F50C-12R1	Ø12	R1.0	24	75	12	405
36001864	4F50C-12R1.5	Ø12	R1.5	24	75	12	405
36001866	4F50C-12R2	Ø12	R2.0	24	75	12	405
36001868	4F50C-12R2.5	Ø12	R2.5	24	75	12	405
36001870	4F50C-12R3	Ø12	R3.0	24	75	12	405

铣刀
锯片
成型刀

钨钢
平底
铣刀

深沟
铣刀

微小
直径
铣刀

圆鼻
铣刀

球头
铣刀

粗皮
铣刀

锥度
铣刀

焊刃
铣刀

倒角
铣刀

T型
槽刀

燕尾
槽刀

锯片
三面
刃侧
铣刀

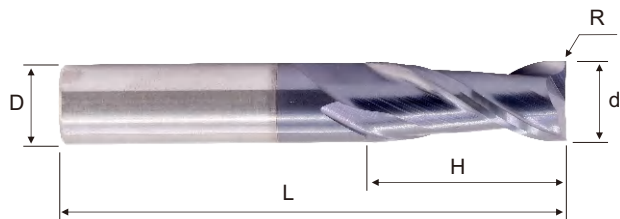
钨钢
圆棒

2刃 HRC55° 平底圆角钨钢立铣刀

2 Edge HRC55° Coated Tungsten Steel Round Angle End Mill

应用：切削加工HRC55°以下钢材

Application: Milling the steel hardness under HRC55°.

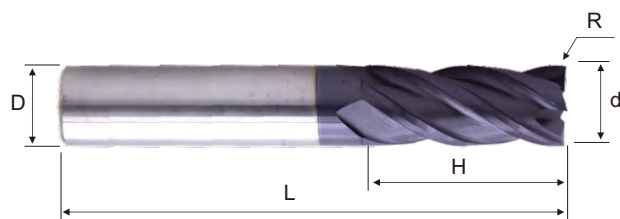


4刃 HRC55° 平底圆角钨钢立铣刀

4 Edge HRC55° Coated Tungsten Steel Round Angle End Mill

应用：切削加工HRC55°以下钢材

Application: Milling the steel hardness under HRC55°.



铣刀
锯片
成型刀

钨钢
平底
铣刀

深沟
铣刀

微小
直径
铣刀

圆鼻
铣刀

球头
铣刀

粗皮
铣刀

锥度
铣刀

焊刃
铣刀

倒角
铣刀

T型
槽刀

燕尾
槽刀

锯片
三面
侧刀

钨钢
圆棒

订购编码 Order No.	规格型号 Type	尺寸 Dimensions (mm)					单价 (RMB) Price
		d	R	H	L	D	
36001900	2F55C-1R0.2	Ø1	R0.2	2	50	4	80
36001902	2F55C-1.5R0.2	Ø1.5	R0.2	3	50	4	80
36001904	2F55C-1.5R0.2	Ø1.5	R0.2	3	50	4	80
36001906	2F55C-2R0.2	Ø2	R0.2	4	50	4	80
36001908	2F55C-2R0.5	Ø2	R0.5	4	50	4	80
36001910	2F55C-2.5R0.2	Ø2.5	R0.2	5	50	4	80
36001912	2F55C-2.5R0.5	Ø2.5	R0.5	5	50	4	80
36001914	2F55C-3R0.2	Ø3	R0.2	6	50	4	80
36001916	2F55C-3R0.5	Ø3	R0.5	6	50	4	80
36001918	2F55C-3R1	Ø3	R1.0	6	50	4	80
36001920	2F55C-4R0.2	Ø4	R0.2	8	50	4	80
36001922	2F55C-4R0.5	Ø4	R0.5	8	50	4	80
36001924	2F55C-4R1	Ø4	R1.0	8	50	4	80
36001926	2F55C-5R0.5	Ø5	R0.5	10	50	6	125
36001928	2F55C-5R1.0	Ø5	R1.0	10	50	6	125
36001930	2F55C-6R0.2	Ø6	R0.2	12	50	6	125
36001932	2F55C-6R0.5	Ø6	R0.5	12	50	6	125
36001934	2F55C-6R1	Ø6	R1.0	12	50	6	125
36001936	2F55C-6R1.5	Ø6	R1.5	12	50	6	125
36001938	2F55C-6R2	Ø6	R2.0	12	50	8	202.5
36001940	2F55C-8R0.5	Ø8	R0.5	16	60	8	202.5
36001942	2F55C-8R1.0	Ø8	R1.0	16	60	8	202.5
36001944	2F55C-8R1.5	Ø8	R1.5	16	60	8	202.5
36001946	2F55C-8R2	Ø8	R2.0	16	60	8	202.5
36001948	2F55C-10R0.5	Ø10	R0.5	20	75	10	345
36001950	2F55C-10R1	Ø10	R1.0	20	75	10	345
36001952	2F55C-10R1.5	Ø10	R1.5	20	75	10	345
36001954	2F55C-10R2	Ø10	R2.0	20	75	10	345
36001956	2F55C-10R2.5	Ø10	R2.5	20	75	10	345
36001958	2F55C-10R3	Ø10	R3.0	20	75	10	345
36001960	2F55C-12R0.5	Ø12	R0.5	24	75	12	487.5
36001962	2F55C-12R1	Ø12	R1.0	24	75	12	487.5
36001964	2F55C-12R1.5	Ø12	R1.5	24	75	12	487.5
36001966	2F55C-12R2	Ø12	R2.0	24	75	12	487.5
36001968	2F55C-12R2.5	Ø12	R2.5	24	75	12	487.5
36001970	2F55C-12R3	Ø12	R3.0	24	75	12	487.5

订购编码 Order No.	规格型号 Type	尺寸 Dimensions (mm)					单价 (RMB) Price
		d	R	H	L	D	
36002000	4F55C-1R0.2	Ø1	R0.2	2	50	4	80
36002002	4F55C-1.5R0.2	Ø1.5	R0.2	3	50	4	80
36002004	4F55C-1.5R0.2	Ø1.5	R0.2	3	50	4	80
36002006	4F55C-2R0.2	Ø2	R0.2	4	50	4	80
36002008	4F55C-2R0.5	Ø2	R0.5	4	50	4	80
36002010	4F55C-2.5R0.2	Ø2.5	R0.2	5	50	4	80
36002012	4F55C-2.5R0.5	Ø2.5	R0.5	5	50	4	80
36002014	4F55C-3R0.2	Ø3	R0.2	6	50	4	80
36002016	4F55C-3R0.5	Ø3	R0.5	6	50	4	80
36002018	4F55C-3R1	Ø3	R1.0	6	50	4	80
36002020	4F55C-4R0.2	Ø4	R0.2	8	50	4	80
36002022	4F55C-4R0.5	Ø4	R0.5	8	50	4	80
36002024	4F55C-4R1	Ø4	R1.0	8	50	4	80
36002026	4F55C-5R0.5	Ø5	R0.5	10	50	6	125
36002028	4F55C-5R1.0	Ø5	R1.0	10	50	6	125
36002030	4F55C-6R0.2	Ø6	R0.2	12	50	6	125
36002032	4F55C-6R0.5	Ø6	R0.5	12	50	6	125
36002034	4F55C-6R1	Ø6	R1.0	12	50	6	125
36002036	4F55C-6R1.5	Ø6	R1.5	12	50	6	125
36002038	4F55C-6R2	Ø6	R2.0	12	50	8	202.5
36002040	4F55C-8R0.5	Ø8	R0.5	16	60	8	202.5
36002042	4F55C-8R1.0	Ø8	R1.0	16	60	8	202.5
36002044	4F55C-8R1.5	Ø8	R1.5	16	60	8	202.5
36002046	4F55C-8R2	Ø8	R2.0	16	60	8	202.5
36002048	4F55C-10R0.5	Ø10	R0.5	20	75	10	345
36002050	4F55C-10R1	Ø10	R1.0	20	75	10	345
36002052	4F55C-10R1.5	Ø10	R1.5	20	75	10	345
36002054	4F55C-10R2	Ø10	R2.0	20	75	10	345
36002056	4F55C-10R2.5	Ø10	R2.5	20	75	10	345
36002058	4F55C-10R3	Ø10	R3.0	20	75	10	345
36002060	4F55C-12R0.5	Ø12	R0.5	24	75	12	487.5
36002062	4F55C-12R1	Ø12	R1.0	24	75	12	487.5
36002064	4F55C-12R1.5	Ø12	R1.5	24	75	12	487.5
36002066	4F55C-12R2	Ø12	R2.0	24	75	12	487.5
36002068	4F55C-12R2.5	Ø12	R2.5	24	75	12	487.5
36002070	4F55C-12R3	Ø12	R3.0	24	75	12	487.5

圆角立铣刀

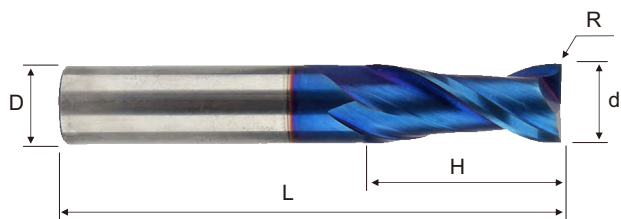
Fillet end mill

2刃 HRC65° 平底圆角钨钢立铣刀

2 Edge HRC65° Coated Tungsten Steel Round Angle End Mill

应用：切削加工不锈钢及HRC65°以下钢材

Application: Milling Stainless Steel And Steel Hardness Under HRC65°.

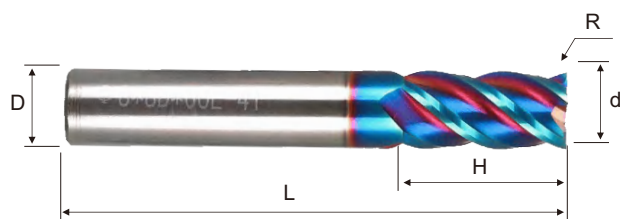


4刃 HRC65° 平底圆角钨钢立铣刀

4 Edge HRC65° Coated Tungsten Steel Round Angle End Mill

应用：切削加工不锈钢及HRC65°以下钢材

Application: Milling Stainless Steel And Steel Hardness Under HRC65°.



订购编码 Order No.	规格型号 Type	尺寸 Dimensions (mm)					单价 (RMB) Price
		d	R	H	L	D	
36002300	2F65C-1R0.2	Ø1	R0.2	2	50	4	115
36002302	2F65C-1.5R0.2	Ø1.5	R0.2	3	50	4	115
36002304	2F65C-1.5R0.2	Ø1.5	R0.2	3	50	4	115
36002306	2F65C-2R0.2	Ø2	R0.2	4	50	4	115
36002308	2F65C-2R0.5	Ø2	R0.5	4	50	4	115
36002310	2F65C-2.5R0.2	Ø2.5	R0.2	5	50	4	115
36002312	2F65C-2.5R0.5	Ø2.5	R0.5	5	50	4	115
36002314	2F65C-3R0.2	Ø3	R0.2	6	50	4	115
36002316	2F65C-3R0.5	Ø3	R0.5	6	50	4	115
36002318	2F65C-3R1	Ø3	R1.0	6	50	4	115
36002320	2F65C-4R0.2	Ø4	R0.2	8	50	4	115
36002322	2F65C-4R0.5	Ø4	R0.5	8	50	4	115
36002324	2F65C-4R1	Ø4	R1.0	8	50	4	115
36002326	2F65C-5R0.5	Ø5	R0.5	10	50	6	192.5
36002328	2F65C-5R1.0	Ø5	R1.0	10	50	6	192.5
36002330	2F65C-6R0.2	Ø6	R0.2	12	50	6	192.5
36002332	2F65C-6R0.5	Ø6	R0.5	12	50	6	192.5
36002334	2F65C-6R1	Ø6	R1.0	12	50	6	192.5
36002336	2F65C-6R1.5	Ø6	R1.5	12	50	6	192.5
36002338	2F65C-6R2	Ø6	R2.0	12	50	8	312.5
36002340	2F65C-8R0.5	Ø8	R0.5	16	60	8	312.5
36002342	2F65C-8R1.0	Ø8	R1.0	16	60	8	312.5
36002344	2F65C-8R1.5	Ø8	R1.5	16	60	8	312.5
36002346	2F65C-8R2	Ø8	R2.0	16	60	8	312.5
36002348	2F65C-10R0.5	Ø10	R0.5	20	75	10	495
36002350	2F65C-10R1	Ø10	R1.0	20	75	10	495
36002352	2F65C-10R1.5	Ø10	R1.5	20	75	10	495
36002354	2F65C-10R2	Ø10	R2.0	20	75	10	495
36002356	2F65C-10R2.5	Ø10	R2.5	20	75	10	495
36002358	2F65C-10R3	Ø10	R3.0	20	75	10	495
36002360	2F65C-12R0.5	Ø12	R0.5	24	75	12	615
36002362	2F65C-12R1	Ø12	R1.0	24	75	12	615
36002364	2F65C-12R1.5	Ø12	R1.5	24	75	12	615
36002366	2F65C-12R2	Ø12	R2.0	24	75	12	615
36002368	2F65C-12R2.5	Ø12	R2.5	24	75	12	615
36002370	2F65C-12R3	Ø12	R3.0	24	75	12	615

订购编码 Order No.	规格型号 Type	尺寸 Dimensions (mm)					单价 (RMB) Price
		d	R	H	L	D	
36002400	4F65C-1R0.2	Ø1	R0.2	2	50	4	115
36002402	4F65C-1.5R0.2	Ø1.5	R0.2	3	50	4	115
36002404	4F65C-1.5R0.2	Ø1.5	R0.2	3	50	4	115
36002406	4F65C-2R0.2	Ø2	R0.2	4	50	4	115
36002408	4F65C-2R0.5	Ø2	R0.5	4	50	4	115
36002410	4F65C-2.5R0.2	Ø2.5	R0.2	5	50	4	115
36002412	4F65C-2.5R0.5	Ø2.5	R0.5	5	50	4	115
36002414	4F65C-3R0.2	Ø3	R0.2	6	50	4	115
36002416	4F65C-3R0.5	Ø3	R0.5	6	50	4	115
36002418	4F65C-3R1	Ø3	R1.0	6	50	4	115
36002420	4F65C-4R0.2	Ø4	R0.2	8	50	4	115
36002422	4F65C-4R0.5	Ø4	R0.5	8	50	4	115
36002424	4F65C-4R1	Ø4	R1.0	8	50	4	115
36002426	4F65C-5R0.5	Ø5	R0.5	10	50	6	192.5
36002428	4F65C-5R1.0	Ø5	R1.0	10	50	6	192.5
36002430	4F65C-6R0.2	Ø6	R0.2	12	50	6	192.5
36002432	4F65C-6R0.5	Ø6	R0.5	12	50	6	192.5
36002434	4F65C-6R1	Ø6	R1.0	12	50	6	192.5
36002436	4F65C-6R1.5	Ø6	R1.5	12	50	6	192.5
36002438	4F65C-6R2	Ø6	R2.0	12	50	8	312.5
36002440	4F65C-8R0.5	Ø8	R0.5	16	60	8	312.5
36002442	4F65C-8R1.0	Ø8	R1.0	16	60	8	312.5
36002444	4F65C-8R1.5	Ø8	R1.5	16	60	8	312.5
36002446	4F65C-8R2	Ø8	R2.0	16	60	8	312.5
36002448	4F65C-10R0.5	Ø10	R0.5	20	75	10	495
36002450	4F65C-10R1	Ø10	R1.0	20	75	10	495
36002452	4F65C-10R1.5	Ø10	R1.5	20	75	10	495
36002454	4F65C-10R2	Ø10	R2.0	20	75	10	495
36002456	4F65C-10R2.5	Ø10	R2.5	20	75	10	495
36002458	4F65C-10R3	Ø10	R3.0	20	75	10	495
36002460	4F65C-12R0.5	Ø12	R0.5	24	75	12	615
36002462	4F65C-12R1	Ø12	R1.0	24	75	12	615
36002464	4F65C-12R1.5	Ø12	R1.5	24	75	12	615
36002466	4F65C-12R2	Ø12	R2.0	24	75	12	615
36002468	4F65C-12R2.5	Ø12	R2.5	24	75	12	615
36002470	4F65C-12R3	Ø12	R3.0	24	75	12	615

铣刀
锯片
成型刀

钨钢
平底
铣刀

深沟
铣刀

微小
直径
铣刀

圆鼻
铣刀

球头
铣刀

粗皮
铣刀

锥度
铣刀

焊刃
铣刀

倒角
铣刀

T型
槽刀

燕尾
槽刀

锯片
三面
刃侧
铣刀

钨钢
圆棒

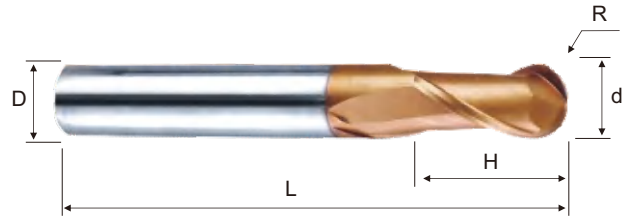
2刃 HRC45° 球头钨钢立铣刀
2 Edge HRC45° Tungsten Steel Coated Ball End Milling Cutter

应用：切削加工HRC45°以下钢材
Application: Milling the steel hardness under HRC45°.



2刃 HRC50° 球头钨钢立铣刀
2 Edge HRC50° Tungsten Steel Coated Ball End Milling Cutter

应用：切削加工HRC50°以下钢材
Application: Milling the steel hardness under HRC50°.



铣刀
锯片
成型刀

钨钢
平底
铣刀

深沟
铣刀

微小
直径
铣刀

圆鼻
铣刀

球头
铣刀

粗皮
铣刀

锥度
铣刀

焊刃
铣刀

倒角
铣刀

T型
槽刀

燕尾
槽刀

锯片
三面
侧刀

钨钢
圆棒

订购编码 Order No.	规格型号 Type	尺寸 Dimensions (mm)				单价 (RMB) Price
		d	H	L	D	
36001000	2F45C-R0.5X50	R0.5	2	50	4	27.5
36001002	2F45C-R0.75X50	R0.75	3	50	4	27.5
36001004	2F45C-R1X50	R1	4	50	4	27.5
36001006	2F45C-R1.25X50	R1.25	5	50	4	27.5
36001008	2F45C-R1.5X3X50	R1.5	6	50	3	27.5
36001010	2F45C-R1.5X4X50	R1.5	6	50	4	27.5
36001012	2F45C-R1.75X50	R1.75	7	50	4	27.5
36001014	2F45C-R2X50	R2	8	50	4	27.5
36001016	2F45C-R2X75	R2	8	75	4	40
36001018	2F45C-R2X100	R2	8	100	4	45
36001020	2F45C-R2.5X5X50	R2.5	10	50	5	55
36001022	2F45C-R2.5X6X50	R2.5	10	50	6	55
36001024	2F45C-R3X50	R3	12	50	6	55
36001026	2F45C-R3X75	R3	12	75	6	70
36001028	2F45C-R3X100	R3	12	100	6	85
36001030	2F45C-R3X150	R3	12	150	6	190
36001032	2F45C-R4X60	R4	16	60	8	95
36001034	2F45C-R4X75	R4	16	75	8	115
36001036	2F45C-R4X100	R4	16	100	8	135
36001038	2F45C-R4X150	R4	16	150	8	300
36001040	2F45C-R5X75	R5	20	75	10	160
36001042	2F45C-R5X100	R5	20	100	10	205
36001044	2F45C-R5X150	R5	20	150	10	450
36001046	2F45C-R6X75	R6	24	75	12	200
36001048	2F45C-R6X100	R6	24	100	12	275
36001050	2F45C-R6X150	R6	24	150	12	545
36001052	2F45C-R7X100	R7	30	100	14	430
36001054	2F45C-R7X150	R7	30	150	14	800
36001056	2F45C-R8X100	R8	30	100	16	525
36001058	2F45C-R8X150	R8	30	150	16	1000
36001060	2F45C-R8X200	R8	30	200	16	1750
36001062	2F45C-R9X100	R9	30	100	18	685
36001064	2F45C-R9X150	R9	30	150	18	1175
36001066	2F45C-R10X100	R10	30	100	20	775
36001068	2F45C-R10X150	R10	30	150	20	1370
36001070	2F45C-R10X200	R10	30	200	20	2250

订购编码 Order No.	规格型号 Type	尺寸 Dimensions (mm)				单价 (RMB) Price
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36001100	2F50C-R0.5X50	R0.5	2	50	4	40
36001102	2F50C-R0.75X50	R0.75	3	50	4	40
36001104	2F50C-R1X50	R1	4	50	4	40
36001106	2F50C-R1.25X50	R1.25	5	50	4	40
36001108	2F50C-R1.5X3X50	R1.5	6	50	3	40
36001110	2F50C-R1.5X4X50	R1.5	6	50	4	40
36001112	2F50C-R1.75X50	R1.75	7	50	4	40
36001114	2F50C-R2X50	R2	8	50	4	40
36001116	2F50C-R2X75	R2	8	75	4	65
36001118	2F50C-R2X100	R2	8	100	4	72.5
36001120	2F50C-R2.5X5X50	R2.5	10	50	5	70
36001122	2F50C-R2.5X6X50	R2.5	10	50	6	70
36001124	2F50C-R3X50	R3	12	50	6	70
36001126	2F50C-R3X75	R3	12	75	6	110
36001128	2F50C-R3X100	R3	12	100	6	130
36001130	2F50C-R3X150	R3	12	150	6	275
36001132	2F50C-R4X60	R4	16	60	8	125
36001134	2F50C-R4X75	R4	16	75	8	165
36001136	2F50C-R4X100	R4	16	100	8	205
36001138	2F50C-R4X150	R4	16	150	8	375
36001140	2F50C-R5X75	R5	20	75	10	220
36001142	2F50C-R5X100	R5	20	100	10	300
36001144	2F50C-R5X150	R5	20	150	10	575
36001146	2F50C-R6X75	R6	24	75	12	312.5
36001148	2F50C-R6X100	R6	24	100	12	405
36001150	2F50C-R6X150	R6	24	150	12	720
36001152	2F50C-R7X100	R7	30	100	14	595
36001154	2F50C-R7X150	R7	30	150	14	945
36001156	2F50C-R8X100	R8	30	100	16	775
36001158	2F50C-R8X150	R8	30	150	16	1260
36001160	2F50C-R8X200	R8	30	200	16	2125
36001162	2F50C-R9X100	R9	30	100	18	955
36001164	2F50C-R9X150	R9	30	150	18	1485
36001166	2F50C-R10X100	R10	30	100	20	1110
36001168	2F50C-R10X150	R10	30	150	20	1600
36001170	2F50C-R10X200	R10	30	200	20	2500

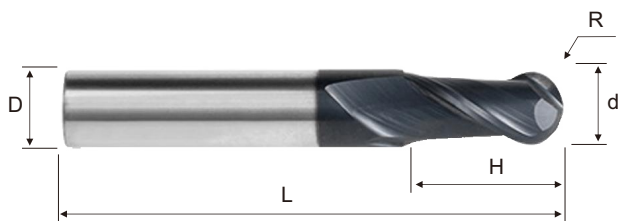
球头立铣刀 | Ball End Mill

2刃 HRC55° 球头钨钢立铣刀

2 Edge HRC55° Tungsten Steel Coated Ball End Milling Cutter

应用：切削加工HRC55°以下钢材

Application: Milling the steel hardness under HRC55°.



2刃 HRC50°球头钨钢立铣刀-无涂层铝用

2 Edge Tungsten Steel Uncoated Ball End End Milling Cutter

应用：铣削钢和铜、铝等有色金属材料

Application: Milling Steel And Nonferrous Metal Materials Such As Copper And Aluminum



订购编码 Order No.	规格型号 Type	尺寸 Dimensions (mm)				单价 (RMB) Price
		d	H	L	D	
36001200	2F55C-R0.5X50	R0.5	2	50	4	60
36001202	2F55C-R0.75X50	R0.75	3	50	4	60
36001204	2F55C-R1X50	R1	4	50	4	60
36001206	2F55C-R1.25X50	R1.25	5	50	4	60
36001208	2F55C-R1.5X3X50	R1.5	6	50	3	60
36001210	2F55C-R1.5X4X50	R1.5	6	50	4	60
36001212	2F55C-R1.75X50	R1.75	7	50	4	60
36001214	2F55C-R2X50	R2	8	50	4	60
36001216	2F55C-R2X75	R2	8	75	4	95
36001218	2F55C-R2X100	R2	8	100	4	102.5
36001220	2F55C-R2.5X5X50	R2.5	10	50	5	107.5
36001222	2F55C-R2.5X6X50	R2.5	10	50	6	107.5
36001224	2F55C-R3X50	R3	12	50	6	107.5
36001226	2F55C-R3X75	R3	12	75	6	150
36001228	2F55C-R3X100	R3	12	100	6	180
36001230	2F55C-R3X150	R3	12	150	6	370
36001232	2F55C-R4X60	R4	16	60	8	185
36001234	2F55C-R4X75	R4	16	75	8	235
36001236	2F55C-R4X100	R4	16	100	8	287.5
36001238	2F55C-R4X150	R4	16	150	8	475
36001240	2F55C-R5X75	R5	20	75	10	312.5
36001242	2F55C-R5X100	R5	20	100	10	402.5
36001244	2F55C-R5X150	R5	20	150	10	750
36001246	2F55C-R6X75	R6	24	75	12	442.5
36001248	2F55C-R6X100	R6	24	100	12	540
36001250	2F55C-R6X150	R6	24	150	12	975
36001252	2F55C-R7X100	R7	30	100	14	705
36001254	2F55C-R7X150	R7	30	150	14	1275
36001256	2F55C-R8X100	R8	30	100	16	990
36001258	2F55C-R8X150	R8	30	150	16	1725
36001260	2F55C-R8X200	R8	30	200	16	2500
36001262	2F55C-R9X100	R9	30	100	18	1200
36001264	2F55C-R9X150	R9	30	150	18	1980
36001266	2F55C-R10X100	R10	30	100	20	1425
36001268	2F55C-R10X150	R10	30	150	20	2250
36001270	2F55C-R10X200	R10	30	200	20	2750

订购编码 Order No.	规格型号 Type	尺寸 Dimensions (mm)				单价 (RMB) Price
		d	H	L	D	
36003300	AL-2F50C-R0.5X50	R0.5	2	50	4	40
36003302	AL-2F50C-R0.75X50	R0.75	3	50	4	40
36003304	AL-2F50C-R1X50	R1	4	50	4	40
36003306	AL-2F50C-R1.25X50	R1.25	5	50	4	40
36003308	AL-2F50C-R1.5X3X50	R1.5	6	50	3	40
36003310	AL-2F50C-R1.5X4X50	R1.5	6	50	4	40
36003312	AL-2F50C-R1.75X50	R1.75	7	50	4	40
36003314	AL-2F50C-R2X50	R2	8	50	4	40
36003316	AL-2F50C-R2X75	R2	8	75	4	65
36003318	AL-2F50C-R2X100	R2	8	100	4	72.5
36003320	AL-2F50C-R2.5X5X50	R2.5	10	50	5	70
36003322	AL-2F50C-R2.5X6X50	R2.5	10	50	6	70
36003324	AL-2F50C-R3X50	R3	12	50	6	70
36003326	AL-2F50C-R3X75	R3	12	75	6	110
36003328	AL-2F50C-R3X100	R3	12	100	6	130
36003330	AL-2F50C-R3X150	R3	12	150	6	275
36003332	AL-2F50C-R4X60	R4	16	60	8	125
36003334	AL-2F50C-R4X75	R4	16	75	8	165
36003336	AL-2F50C-R4X100	R4	16	100	8	205
36003338	AL-2F50C-R4X150	R4	16	150	8	375
36003340	AL-2F50C-R5X75	R5	20	75	10	220
36003342	AL-2F50C-R5X100	R5	20	100	10	300
36003344	AL-2F50C-R5X150	R5	20	150	10	575
36003346	AL-2F50C-R6X75	R6	24	75	12	312.5
36003348	AL-2F50C-R6X100	R6	24	100	12	405
36003350	AL-2F50C-R6X150	R6	24	150	12	720
36003352	AL-2F50C-R7X100	R7	30	100	14	595
36003354	AL-2F50C-R7X150	R7	30	150	14	945
36003356	AL-2F50C-R8X100	R8	30	100	16	775
36003358	AL-2F50C-R8X150	R8	30	150	16	1260
36003360	AL-2F50C-R8X200	R8	30	200	16	2125
36003362	AL-2F50C-R9X100	R9	30	100	18	955
36003364	AL-2F50C-R9X150	R9	30	150	18	1485
36003366	AL-2F50C-R10X100	R10	30	100	20	1110
36003368	AL-2F50C-R10X150	R10	30	150	20	1600
36003370	AL-2F50C-R10X200	R10	30	200	20	2500

铣刀
锯片
成型刀

钨钢
平底
铣刀

深沟
铣刀

微小
直径
铣刀

圆鼻
铣刀

球头
铣刀

粗皮
铣刀

锥度
铣刀

焊刃
铣刀

倒角
铣刀

T型
槽刀

燕尾
槽刀

锯片
三面
刃侧
铣刀

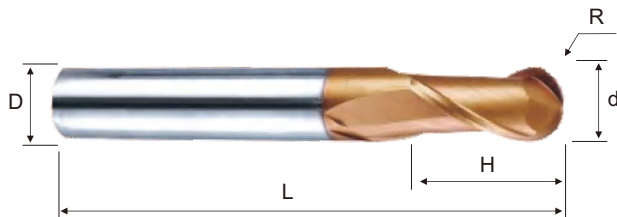
钨钢
圆棒

2刃 HRC60°球头钨钢立铣刀

2 Edge HRC60° Tungsten Steel Coated Ball End Milling Cutter

应用：铣削加工HRC60°以下钢、铸铁及不锈钢等材料

Application: Milling Stainless Steel And Steel Hardness Under HRC60°.



2刃 HRC65°球头钨钢立铣刀

2 Edge HRC65° Tungsten Steel Coated Ball End Milling Cutter

应用：铣削加工HRC65°以下钢、铸铁及不锈钢等材料

Application: Milling Stainless Steel And Steel Hardness Under HRC65°.



铣刀
锯片
成型刀

钨钢
平底
铣刀

深沟
铣刀

微小
直径
铣刀

圆鼻
铣刀

球头
铣刀

粗皮
铣刀

锥度
铣刀

焊刃
铣刀

倒角
铣刀

T型
槽刀

燕尾
槽刀

锯片
三面
侧刀

钨钢
圆棒

订购编码 Order No.	规格型号 Type	尺寸 Dimensions (mm)				单价 (RMB) Price
		d	H	L	D	
36001300	2F60C-R0.5X50	R0.5	50	2	4	75
36001302	2F60C-R0.75X50	R0.75	50	3	4	75
36001304	2F60C-R1X50	R1	50	4	4	75
36001306	2F60C-R1.25X50	R1.25	50	5	4	75
36001308	2F60C-R1.5X3X50	R1.5	50	6	3	75
36001310	2F60C-R1.5X4X50	R1.5	50	6	4	75
36001312	2F60C-R1.75X50	R1.75	50	7	4	75
36001314	2F60C-R2X50	R2	50	8	4	75
36001316	2F60C-R2X75	R2	75	8	4	97.5
36001318	2F60C-R2X100	R2	100	8	4	115
36001320	2F60C-R2.5X5X50	R2.5	50	10	5	140
36001322	2F60C-R2.5X6X50	R2.5	50	10	6	140
36001324	2F60C-R3X50	R3	50	12	6	140
36001326	2F60C-R3X75	R3	75	12	6	167.5
36001328	2F60C-R3X100	R3	100	12	6	197.5
36001330	2F60C-R3X150	R3	150	12	6	390
36001332	2F60C-R4X60	R4	60	16	8	225
36001334	2F60C-R4X75	R4	75	16	8	260
36001336	2F60C-R4X100	R4	100	16	8	325
36001338	2F60C-R4X150	R4	150	16	8	545
36001340	2F60C-R5X75	R5	75	20	10	362.5
36001342	2F60C-R5X100	R5	100	20	10	460
36001344	2F60C-R5X150	R5	150	20	10	800
36001346	2F60C-R6X75	R6	75	24	12	480
36001348	2F60C-R6X100	R6	100	24	12	640
36001350	2F60C-R6X150	R6	150	24	12	1040
36001352	2F60C-R7X100	R7	100	30	14	800
36001354	2F60C-R7X150	R7	150	30	14	1340
36001356	2F60C-R8X100	R8	100	30	16	1070
36001358	2F60C-R8X150	R8	150	30	16	1960
36001360	2F60C-R8X200	R8	200	30	16	2750
36001362	2F60C-R9X100	R9	100	30	18	1300
36001364	2F60C-R9X150	R9	150	30	18	2250
36001366	2F60C-R10X100	R10	100	30	20	1550
36001368	2F60C-R10X150	R10	150	30	20	2650
36001370	2F60C-R10X200	R10	200	30	20	3250

订购编码 Order No.	规格型号 Type	尺寸 Dimensions (mm)				单价 (RMB) Price
		d	H	L	D	
36001400	2F65C-R0.5X50	R0.5	2	50	4	87.5
36001402	2F65C-R0.75X50	R0.75	3	50	4	87.5
36001404	2F65C-R1X50	R1	4	50	4	87.5
36001406	2F65C-R1.25X50	R1.25	5	50	4	87.5
36001408	2F65C-R1.5X3X50	R1.5	6	50	3	87.5
36001410	2F65C-R1.5X4X50	R1.5	6	50	4	87.5
36001412	2F65C-R1.75X50	R1.75	7	50	4	87.5
36001414	2F65C-R2X50	R2	8	50	4	87.5
36001416	2F65C-R2X75	R2	8	75	4	115
36001418	2F65C-R2X100	R2	8	100	4	137.5
36001420	2F65C-R2.5X5X50	R2.5	10	50	5	165
36001422	2F65C-R2.5X6X50	R2.5	10	50	6	165
36001424	2F65C-R3X50	R3	12	50	6	165
36001426	2F65C-R3X75	R3	12	75	6	197.5
36001428	2F65C-R3X100	R3	12	100	6	235
36001430	2F65C-R3X150	R3	12	150	6	440
36001432	2F65C-R4X60	R4	16	60	8	270
36001434	2F65C-R4X75	R4	16	75	8	307.5
36001436	2F65C-R4X100	R4	16	100	8	385
36001438	2F65C-R4X150	R4	16	150	8	675
36001440	2F65C-R5X75	R5	20	75	10	430
36001442	2F65C-R5X100	R5	20	100	10	550
36001444	2F65C-R5X150	R5	20	150	10	915
36001446	2F65C-R6X75	R6	24	75	12	572.5
36001448	2F65C-R6X100	R6	24	100	12	725
36001450	2F65C-R6X150	R6	24	150	12	1300
36001452	2F65C-R7X100	R7	30	100	14	940
36001454	2F65C-R7X150	R7	30	150	14	1680
36001456	2F65C-R8X100	R8	30	100	16	1210
36001458	2F65C-R8X150	R8	30	150	16	2140
36001460	2F65C-R8X200	R8	30	200	16	3250
36001462	2F65C-R9X100	R9	30	100	18	1485
36001464	2F65C-R9X150	R9	30	150	18	2600
36001466	2F65C-R10X100	R10	30	100	20	1780
36001468	2F65C-R10X150	R10	30	150	20	3290
36001470	2F65C-R10X200	R10	30	200	20	4000

铣刀
锯片
成型刀

钨钢
平底
铣刀

深沟
铣刀

小径
直
铣刀

圆鼻
铣刀

球头
铣刀

粗皮
铣刀

锥度
铣刀

焊刃
铣刀

倒角
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T型
槽刀

燕尾
槽刀

锯片
三面
侧
铣刀

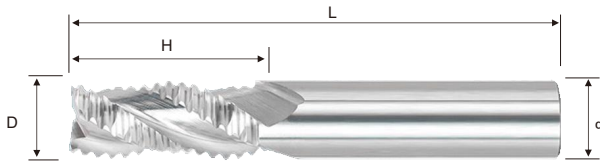
钨钢
圆棒

3刃不涂层铝用钨钢粗皮铣刀

3 Edge Tungsten Steel Uncoated Rough Machining End Milling Cutter

应用: 铣削钢和铜, 铝等有色金属材料

Application: Milling Steel And Nonferrous Metal Materials Such As Copper And Aluminum



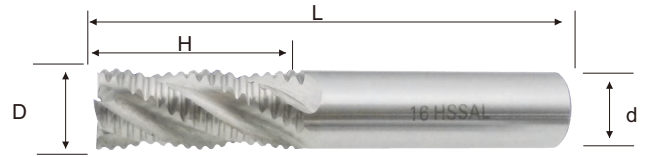
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36004500	AL-CP4F55C-4	Ø4	12	50	4	80
36004502	AL-CP4F55C-6	Ø6	15	50	6	125
36004504	AL-CP4F55C-6X100	Ø6	15	100	6	225
36004506	AL-CP4F55C-8	Ø8	20	60	8	162.5
36004508	AL-CP4F55C-8X100	Ø8	20	100	8	340
36004510	AL-CP4F55C-10	Ø10	25	75	10	325
36004512	AL-CP4F55C-10X100	Ø10	40	100	10	435
36004514	AL-CP4F55C-12	Ø12	30	75	12	440
36004516	AL-CP4F55C-12X100	Ø12	45	100	12	650
36004518	AL-CP4F55C-14	Ø14	40	100	14	725
36004520	AL-CP4F55C-16	Ø16	55	100	16	900
36004522	AL-CP4F55C-18	Ø18	55	100	18	1100
36004524	AL-CP4F55C-20	Ø20	55	100	20	1250

高速钢粗皮铣刀

Milling cutter for rough machining of high speed steel

应用: 铣削钢和铜, 铝等有色金属材料

Application: Milling Steel And Nonferrous Metal Materials Such As Copper And Aluminum



订购编码 Order No.	规格型号 Type	尺寸 Dimensions (mm)				单价 (RMB) Price
		D	H	L	d	
36006100	4FSU-6	Ø6	20	60	6	35
36006102	4FSU-8	Ø8	20	60	8	42.5
36006104	4FSU-10	Ø10	30	75	10	50
36006106	4FSU-12	Ø12	35	85	12	65
36006108	4FSU-14	Ø14	35	85	12	80
36006110	4FSU-16	Ø16	40	95	16	90
36006112	4FSU-18	Ø18	40	95	16	125
36006114	4FSU-20	Ø20	45	110	20	145
36006116	4FSU-22	Ø22	45	110	20	180
36006118	4FSU-25	Ø25	50	120	25	225

铣刀
锯片
成型刀

钨钢
平底
铣刀

深沟
铣刀

微小
直径
铣刀

圆鼻
铣刀

球头
铣刀

粗皮
铣刀

锥度
铣刀

焊刀
铣刀

倒角
铣刀

T型
槽刀

燕尾
槽刀

锯片
三面
侧刀

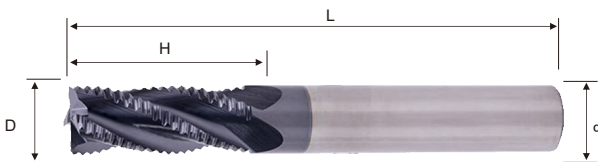
钨钢
圆棒

4刃涂层钨钢粗皮铣刀

4 Edge Tungsten Steel Coated Rough Machining End Milling Cutter

应用: 铣削HRC55°以下钢件, 铸件及不锈钢

Application: Milling Stainless Steel And Steel Hardness Under HRC55°



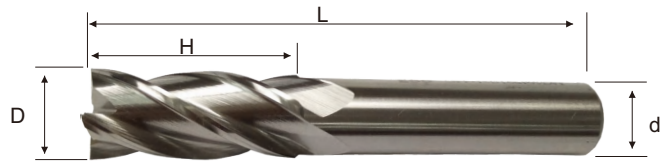
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		D	H	L	d	
36004550	CP4F55C-4	Ø4	12	50	4	80
36004552	CP4F55C-6	Ø6	15	50	6	125
36004554	CP4F55C-6X100	Ø6	15	100	6	225
36004556	CP4F55C-8	Ø8	20	60	8	162.5
36004558	CP4F55C-8X100	Ø8	20	100	8	340
36004560	CP4F55C-10	Ø10	25	75	10	325
36004562	CP4F55C-10X100	Ø10	40	100	10	435
36004564	CP4F55C-12	Ø12	30	75	12	440
36004566	CP4F55C-12X100	Ø12	45	100	12	650
36004568	CP4F55C-14	Ø14	40	100	14	725
36004570	CP4F55C-16	Ø16	55	100	16	900
36004572	CP4F55C-18	Ø18	55	100	18	1100
36004574	CP4F55C-20	Ø20	55	100	20	1250

4刃高速钢平底铣刀-英制规格

4 Edge High Speed Steel Vertical Milling Cutter Made By Holistic Grinding-Inch

应用: 铣削钢和铜, 铝等有色金属材料

Application: Milling Steel And Nonferrous Metal Materials Such As Copper And Aluminum



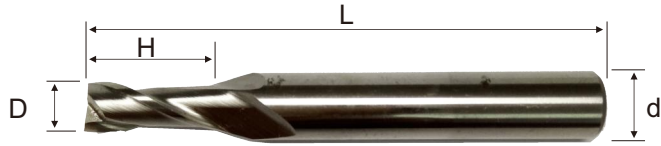
订购编码 Order No.	规格型号 Type	尺寸 Dimensions (mm)				单价 (RMB) Price
		D	H	L	d	
36006000	4FSI-1/16	Ø1/16"	3/16"	2"	1/4"	17.5
36006002	4FSI-3/32	Ø3/32"	9/32"	2-7/64"	1/4"	15
36006004	4FSI-1/8	Ø1/8"	3/8"	2-3/16"	1/4"	12.5
36006006	4FSI-1/8L	Ø1/8"	1"	2-15/16"	1/4"	17.5
36006008	4FSI-5/32	Ø5/32"	7/16"	2-1/4"	1/4"	12.5
36006010	4FSI-3/16	Ø3/16"	1/2"	2-1/4"	1/4"	12.5
36006012	4FSI-3/16L	Ø3/16"	1"	2-3/4"	1/4"	17.5
36006014	4FSI-1/4	Ø1/4"	5/8"	2-7/16"	1/4"	12.5
36006016	4FSI-1/4L	Ø1/4"	1-1/4"	3-1/16"	1/4"	17.5
36006018	4FSI-5/16	Ø5/16"	3/4"	2-1/2"	3/8"	25
36006020	4FSI-5/16L	Ø5/16"	1-3/8"	3-1/8"	3/8"	37.5
36006022	4FSI-3/8	Ø3/8"	3/4"	2-1/2"	3/8"	32.5
36006024	4FSI-3/8L	Ø3/8"	1-1/2"	3-1/4"	3/8"	47.5
36006026	4FSI-1/2	Ø1/2"	1-1/4"	3-1/4"	1/2"	42.5
36006028	4FSI-1/2L	Ø1/2"	2"	4"	1/2"	60
36006030	4FSI-5/8	Ø5/8"	1-5/8"	3-3/4"	5/8"	72.5
36006032	4FSI-5/8L	Ø5/8"	2-1/2"	4-5/8"	5/8"	100
36006034	4FSI-3/4	Ø3/4"	1-5/8"	3-7/8"	3/4"	112.5
36006036	4FSI-3/4L	Ø3/4"	3"	5-1/4"	3/4"	150
36006038	4FSI-1	Ø1"	2"	4-1/2"	1"	250
36006040	4FSI-1L	Ø1"	4"	6-1/2"	1"	300

2刃高速钢平底铣刀

2 Edge High Speed Steel Vertical Milling Cutter Made By Holistic Grinding

应用: 铣削钢和铜, 铝等有色金属材料

Application: Milling Steel And Nonferrous Metal Materials Such As Copper And Aluminum



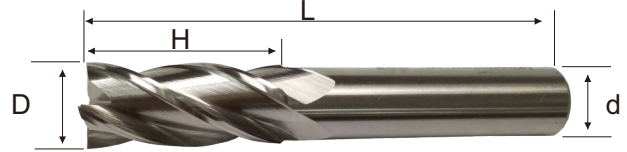
订购编码 Order No.	规格型号 Type	尺寸Dimensions (mm)				单价 (RMB) Price
		D	H	L	d	
36005800	2FS-1	Ø1	2.5	50	6	17.5
36005802	2FS-1.5	Ø1.5	4	50	6	17.5
36005804	2FS-2	Ø2	6	50	6	12.5
36005806	2FS-2.5	Ø2.5	7	50	6	15
36005808	2FS-3	Ø3	10	50	6	12.5
36005810	2FS-3L	Ø3	15	60	6	17.5
36005812	2FS-3.5	Ø3.5	12	55	6	15
36005814	2FS-4	Ø4	12	55	6	12.5
36005816	2FS-4L	Ø4	20	65	6	17.5
36005818	2FS-4.5	Ø4.5	15	60	6	15
36005820	2FS-5	Ø5	15	60	6	12.5
36005822	2FS-5L	Ø5	25	70	6	17.5
36005824	2FS-5.5	Ø5.5	15	60	6	15
36005826	2FS-6	Ø6	15	60	6	12.5
36005828	2FS-6L	Ø6	25	70	6	17.5
36005830	2FS-6.5	Ø6.5	20	70	8	30
36005832	2FS-7	Ø7	20	70	8	25
36005834	2FS-8	Ø8	20	70	8	25
36005836	2FS-8L	Ø8	35	85	8	37.5
36005838	2FS-9	Ø9	25	75	10	32.5
36005840	2FS-10	Ø10	25	75	10	32.5
36005842	2FS-10L	Ø10	45	100	10	47.5
36005844	2FS-11	Ø11	30	90	12	42.5
36005846	2FS-12	Ø12	30	90	12	42.5
36005848	2FS-12L	Ø12	55	115	12	60
36005850	2FS-13	Ø13	35	90	12	60
36005852	2FS-14	Ø14	35	90	12	55
36005854	2FS-14L	Ø14	55	115	12	80
36005856	2FS-15	Ø15	40	105	16	80
36005858	2FS-16	Ø16	40	105	16	72.5
36005860	2FS-16L	Ø16	65	130	16	100
36005862	2FS-17	Ø17	40	105	16	100
36005864	2FS-18	Ø18	40	105	16	87.5
36005866	2FS-18L	Ø18	65	130	16	125
36005868	2FS-20	Ø20	45	115	20	112.5
36005870	2FS-20L	Ø20	75	145	20	150
36005872	2FS-22	Ø22	45	115	20	150
36005874	2FS-22L	Ø22	75	145	20	190
36005876	2FS-25	Ø25	50	120	20	190
36005878	2FS-25L	Ø25	90	165	20	250

4刃高速钢平底铣刀

4 Edge High Speed Steel Vertical Milling Cutter Made By Holistic Grinding

应用: 铣削钢和铜, 铝等有色金属材料

Application: Milling Steel And Nonferrous Metal Materials Such As Copper And Aluminum



订购编码 Order No.	规格型号 Type	尺寸Dimensions (mm)				单价 (RMB) Price
		D	H	L	d	
36005900	4FS-1	Ø1	2.5	50	6	17.5
36005902	4FS-1.5	Ø1.5	4	50	6	17.5
36005904	4FS-2	Ø2	6	50	6	12.5
36005906	4FS-2.5	Ø2.5	7	50	6	15
36005908	4FS-3	Ø3	10	50	6	12.5
36005910	4FS-3L	Ø3	15	60	6	17.5
36005912	4FS-3.5	Ø3.5	12	55	6	15
36005914	4FS-4	Ø4	12	55	6	12.5
36005916	4FS-4L	Ø4	20	65	6	17.5
36005918	4FS-4.5	Ø4.5	15	60	6	15
36005920	4FS-5	Ø5	15	60	6	12.5
36005922	4FS-5L	Ø5	25	70	6	17.5
36005924	4FS-5.5	Ø5.5	15	60	6	15
36005926	4FS-6	Ø6	15	60	6	12.5
36005928	4FS-6L	Ø6	25	70	6	17.5
36005930	4FS-6.5	Ø6.5	20	70	8	30
36005932	4FS-7	Ø7	20	70	8	25
36005934	4FS-8	Ø8	20	70	8	25
36005936	4FS-8L	Ø8	35	85	8	37.5
36005938	4FS-9	Ø9	25	75	10	32.5
36005940	4FS-10	Ø10	25	75	10	32.5
36005942	4FS-10L	Ø10	45	100	10	47.5
36005944	4FS-11	Ø11	30	90	12	42.5
36005946	4FS-12	Ø12	30	90	12	42.5
36005948	4FS-12L	Ø12	55	115	12	60
36005950	4FS-13	Ø13	35	90	12	60
36005952	4FS-14	Ø14	35	90	12	55
36005954	4FS-14L	Ø14	55	115	12	80
36005956	4FS-15	Ø15	40	105	16	80
36005958	4FS-16	Ø16	40	105	16	72.5
36005960	4FS-16L	Ø16	65	130	16	100
36005962	4FS-17	Ø17	40	105	16	100
36005964	4FS-18	Ø18	40	105	16	87.5
36005966	4FS-18L	Ø18	65	130	16	125
36005968	4FS-20	Ø20	45	115	20	112.5
36005970	4FS-20L	Ø20	75	145	20	150
36005972	4FS-22	Ø22	45	115	20	150
36005974	4FS-22L	Ø22	75	145	20	190
36005976	4FS-25	Ø25	50	120	20	190
36005978	4FS-25L	Ø25	90	165	20	250

铣刀
锯片
成型刀钨钢
平底
铣刀深沟
铣刀微小
直径
铣刀圆鼻
铣刀球头
铣刀粗皮
铣刀锥度
铣刀焊刃
铣刀倒角
铣刀T型
槽刀燕尾
槽刀锯片
三面
刃侧
铣刀钨钢
圆棒

2刃45度钨钢涂层锥度立铣刀

2 Edge Tungsten Steel Coated Tapers End Milling Cutter

应用：铣削加工硬度在HRC45°以下的钢材。

Application: Milling Steel With Hardness Below HRC45° .

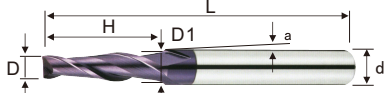


Table listing 2-edge tungsten steel coated tapered end milling cutters with columns for Order No., Type, Dimensions (mm), and Price. The table includes various sizes and types such as ZDXD2F45C1x0.5, ZDXD2F45C1x1, etc., up to ZDXD2F45C10x10.

4刃55度钨钢涂层锥度立铣刀

4 Edge Tungsten Steel Coated Tapers End Milling Cutter

应用：铣削加工硬度在HRC55°以下的钢材。

Application: Milling Steel With Hardness Below HRC55° .

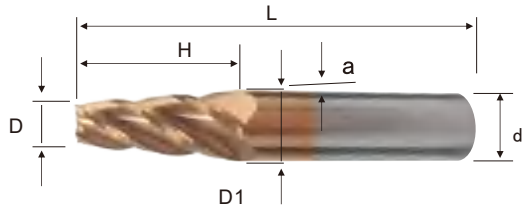


Table listing 4-edge 55-degree tungsten steel coated tapered end milling cutters with columns for Order No., Type, Dimensions (mm), and Price. The table includes various sizes and types such as ZDXD4F55C3x0.5, ZDXD4F55C3x1, etc., up to ZDXD4F55C10x10.

铣刀
锯片
成型刀

钨钢
平底
铣刀

深沟
铣刀

微小
直径
铣刀

圆鼻
铣刀

球头
铣刀

粗皮
铣刀

锥度
铣刀

焊刀
铣刀

倒角
铣刀

T型
槽刀

燕尾
槽刀

锯片
三面
刃铣刀

钨钢
圆棒

锥度立铣刀

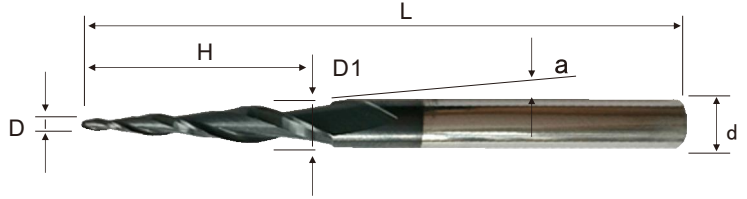
Taper End Mill

2刃45度钨钢涂层球头锥度立铣刀

2 Edge Tungsten Steel Coated Ball Head Tapers End Milling Cutter

应用: 铣削加工硬度在HRC45° 以下的钢材。

Application: Milling Steel With Hardness Below HRC45° .



订购编码 Order No.	规格型号 Type	尺寸 Dimensions(mm)						单价 Price	订购编码 Order No.	规格型号 Type	尺寸 Dimensions(mm)						单价 Price
		D	斜度a	大径D1	H	L	d				D	斜度a	大径D1	H	L	d	
36005600	ZDXD2F45CR0.5x0.5°	R0.5	0.5°	1.17	10	50	4	87.5	36005690	ZDXD2F45CR2x0.5°	R2	0.5°	4.4	25	75	6	197.5
36005602	ZDXD2F45CR0.5x1°	R0.5	1°	1.33	10	50	4	87.5	36005692	ZDXD2F45CR2x1°	R2	1°	4.8	25	75	6	197.5
36005604	ZDXD2F45CR0.5x1.5°	R0.5	1.5°	1.5	10	50	4	87.5	36005694	ZDXD2F45CR2x1.5°	R2	1.5°	5.21	25	75	6	197.5
36005606	ZDXD2F45CR0.5x2°	R0.5	2°	1.66	10	50	4	87.5	36005696	ZDXD2F45CR2x2°	R2	2°	5.61	25	75	6	197.5
36005608	ZDXD2F45CR0.5x2.5°	R0.5	2.5°	2	10	50	4	87.5	36005698	ZDXD2F45CR2x2.5°	R2	2.5°	6.42	25	75	8	307.5
36005610	ZDXD2F45CR0.5x3°	R0.5	3°	2.33	10	50	4	87.5	36005700	ZDXD2F45CR2x3°	R2	3°	7.23	25	75	8	307.5
36005612	ZDXD2F45CR0.5x5°	R0.5	5°	2.67	10	50	4	87.5	36005702	ZDXD2F45CR2x5°	R2	5°	8.04	25	75	8	307.5
36005614	ZDXD2F45CR0.5x7°	R0.5	7°	3.34	10	50	4	87.5	36005704	ZDXD2F45CR2x7°	R2	7°	9.68	25	75	10	430
36005616	ZDXD2F45CR0.5x10°	R0.5	10°	4.37	10	50	6	165	36005706	ZDXD2F45CR2x10°	R2	10°	12.17	25	75	12	572.5
36005618	ZDXD2F45CR0.75x0.5°	R0.75	0.5°	1.66	10	50	4	87.5	36005708	ZDXD2F45CR2.5x0.5°	R2.5	0.5°	5.48	30	75	6	197.5
36005620	ZDXD2F45CR0.75x1°	R0.75	1°	1.82	10	50	4	87.5	36005710	ZDXD2F45CR2.5x1°	R2.5	1°	5.96	30	75	6	197.5
36005622	ZDXD2F45CR0.75x1.5°	R0.75	1.5°	1.99	10	50	4	87.5	36005712	ZDXD2F45CR2.5x1.5°	R2.5	1.5°	6.44	30	75	8	307.5
36005624	ZDXD2F45CR0.75x2°	R0.75	2°	2.15	10	50	4	87.5	36005714	ZDXD2F45CR2.5x2°	R2.5	2°	6.92	30	75	8	307.5
36005626	ZDXD2F45CR0.75x2.5°	R0.75	2.5°	2.47	10	50	4	87.5	36005716	ZDXD2F45CR2.5x2.5°	R2.5	2.5°	7.89	30	75	8	307.5
36005628	ZDXD2F45CR0.75x3°	R0.75	3°	2.8	10	50	4	87.5	36005718	ZDXD2F45CR2.5x3°	R2.5	3°	8.86	30	75	10	430
36005630	ZDXD2F45CR0.75x5°	R0.75	5°	3.12	10	50	4	87.5	36005720	ZDXD2F45CR2.5x5°	R2.5	5°	9.83	30	75	10	430
36005632	ZDXD2F45CR0.75x7°	R0.75	7°	3.78	10	50	4	87.5	36005722	ZDXD2F45CR2.5x7°	R2.5	7°	11.79	30	75	12	572.5
36005634	ZDXD2F45CR0.75x10°	R0.75	10°	4.79	10	50	6	165	36005724	ZDXD2F45CR2.5x10°	R2.5	10°	14.78	30	100	16	1210
36005636	ZDXD2F45CR1x0.5°	R1	0.5°	2.21	13	50	4	87.5	36005726	ZDXD2F45CR3x0.5°	R3	0.5°	6.56	35	100	8	307.5
36005638	ZDXD2F45CR1x1°	R1	1°	2.42	13	50	4	87.5	36005728	ZDXD2F45CR3x1°	R3	1°	7.12	35	100	8	307.5
36005640	ZDXD2F45CR1x1.5°	R1	1.5°	2.63	13	50	4	87.5	36005730	ZDXD2F45CR3x1.5°	R3	1.5°	7.86	35	100	8	307.5
36005642	ZDXD2F45CR1x2°	R1	2°	2.84	13	50	4	87.5	36005732	ZDXD2F45CR3x2°	R3	2°	8.24	35	100	10	430
36005644	ZDXD2F45CR1x2.5°	R1	2.5°	3.26	13	50	4	87.5	36005734	ZDXD2F45CR3x2.5°	R3	2.5°	9.36	35	100	10	430
36005646	ZDXD2F45CR1x3°	R1	3°	3.68	13	50	4	87.5	36005736	ZDXD2F45CR3x3°	R3	3°	10.49	35	100	12	572.5
36005648	ZDXD2F45CR1x5°	R1	5°	4.11	13	50	6	165	36005738	ZDXD2F45CR3x5°	R3	5°	11.62	35	100	12	572.5
36005650	ZDXD2F45CR1x7°	R1	7°	4.96	13	50	6	165	36005740	ZDXD2F45CR3x7°	R3	7°	13.9	35	100	16	1210
36005652	ZDXD2F45CR1x10°	R1	10°	6.26	13	60	8	270	36005742	ZDXD2F45CR3x10°	R3	10°	17.38	35	100	20	1780
36005654	ZDXD2F45CR1.25x0.5°	R1.25	0.5°	2.74	15	50	4	87.5	36005744	ZDXD2F45CR4x0.5°	R4	0.5°	8.63	40	100	10	430
36005656	ZDXD2F45CR1.25x1°	R1.25	1°	2.98	15	50	4	87.5	36005746	ZDXD2F45CR4x1°	R4	1°	9.26	40	100	10	430
36005658	ZDXD2F45CR1.25x1.5°	R1.25	1.5°	3.22	15	50	4	87.5	36005748	ZDXD2F45CR4x1.5°	R4	1.5°	9.89	40	100	10	430
36005660	ZDXD2F45CR1.25x2°	R1.25	2°	3.46	15	50	4	87.5	36005750	ZDXD2F45CR4x2°	R4	2°	10.52	40	100	12	572.5
36005662	ZDXD2F45CR1.25x2.5°	R1.25	2.5°	3.94	15	50	4	87.5	36005752	ZDXD2F45CR4x2.5°	R4	2.5°	11.78	40	100	12	572.5
36005664	ZDXD2F45CR1.25x3°	R1.25	3°	4.43	15	50	6	87.5	36005754	ZDXD2F45CR4x3°	R4	3°	13.05	40	100	16	1210
36005666	ZDXD2F45CR1.25x5°	R1.25	5°	4.92	15	50	6	87.5	36005756	ZDXD2F45CR4x5°	R4	5°	14.33	40	100	16	1210
36005668	ZDXD2F45CR1.25x7°	R1.25	7°	5.9	15	50	6	165	36005758	ZDXD2F45CR4x7°	R4	7°	16.9	40	100	20	1780
36005670	ZDXD2F45CR1.25x10°	R1.25	10°	7.39	15	60	8	270	36005760	ZDXD2F45CR4x10°	R4	10°	20.82	40	100	20	1780
36005672	ZDXD2F45CR1.5x0.5°	R1.5	0.5°	3.32	20	50	4	87.5	36005762	ZDXD2F45CR5x0.5°	R5	0.5°	10.7	45	100	12	572.5
36005674	ZDXD2F45CR1.5x1°	R1.5	1°	3.65	20	50	4	87.5	36005764	ZDXD2F45CR5x1°	R5	1°	11.4	45	100	12	572.5
36005676	ZDXD2F45CR1.5x1.5°	R1.5	1.5°	3.97	20	50	4	87.5	36005766	ZDXD2F45CR5x1.5°	R5	1.5°	12.1	45	100	12	572.5
36005678	ZDXD2F45CR1.5x2°	R1.5	2°	4.29	20	50	6	87.5	36005768	ZDXD2F45CR5x2°	R5	2°	12.8	45	100	12	572.5
36005680	ZDXD2F45CR1.5x2.5°	R1.5	2.5°	4.94	20	50	6	87.5	36005770	ZDXD2F45CR5x2.5°	R5	2.5°	14.2	45	100	16	1210
36005682	ZDXD2F45CR1.5x3°	R1.5	3°	5.6	20	50	6	165	36005772	ZDXD2F45CR5x3°	R5	3°	15.62	45	100	16	1210
36005684	ZDXD2F45CR1.5x5°	R1.5	5°	6.25	20	60	8	270	36005774	ZDXD2F45CR5x5°	R5	5°	17.04	45	100	16	1210
36005686	ZDXD2F45CR1.5x7°	R1.5	7°	7.57	20	60	8	270	36005776	ZDXD2F45CR5x7°	R5	7°	19.9	45	100	20	1780
36005688	ZDXD2F45CR1.5x10°	R1.5	10°	9.57	20	75	10	430	36005778	ZDXD2F45CR5x10°	R5	10°	24.26	45	100	25	3000

铣刀
锯片
成型刀

钨钢
平底
铣刀

深沟
铣刀

小径
铣刀

圆鼻
铣刀

球头
铣刀

粗皮
铣刀

锥度
铣刀

焊刃
铣刀

倒角
铣刀

T型
槽刀

燕尾
槽刀

锯片
三面
刃侧
铣刀

钨钢
圆棒

SWE2 螺旋焊刃式超微粒钨钢铣刀-2刃过中心(标准型)

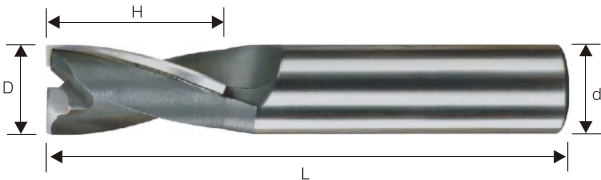
Spiral Welding Edge Type Ultra-fine Particle Tungsten Steel Milling Cutter - 2 Blade Over Center (standard Type)



规格型号 Type	尺寸 Size (mm)					订购 编码 Order Number	单价 Price
	外径 D _{-0.03}	刃长 H	柄长 d (h7)	全长 L	齿数 T		
SWE2-12x30H	12	30	12	80	2	361100	205
14x35H	14	35	16	90	2	361102	240
16x40H	16	40	16	95	2	361104	265
18x40H	18	40	20	100	2	361106	315
20x45H	20	45	20	110	2	361108	350
25x50H	25	50	25	120	2	361110	435

SWEL2 螺旋焊刃式超微粒钨钢铣刀-2刃过中心(加长型)

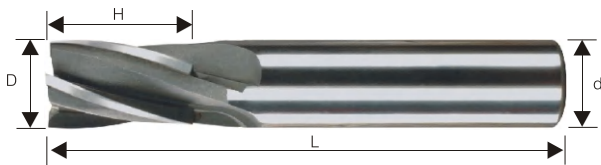
Spiral welding edge type ultra-fine particle tungsten steel milling cutter - 2 blade over center (long type)



规格型号 Type	尺寸 Size (mm)					订购 编码 Order Number	单价 Price
	外径 D _{-0.03}	刃长 H	柄长 d (h7)	全长 L	齿数 T		
SWEL2-12x40H	12	40	12	90	2	361200	255
14x45H	14	45	12	115	2	361202	290
16x50H	16	50	16	120	2	361204	325
18x60H	18	60	20	120	2	361206	430
20x75H	20	75	20	150	2	361208	520
25x100H	25	100	25	180	2	361210	775

SWE4 螺旋焊刃式超微粒钨钢铣刀-4刃(标准型)

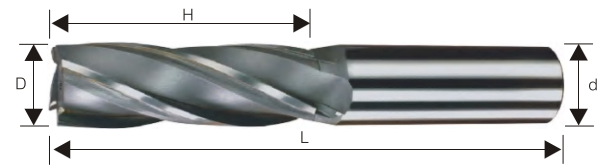
Spiral welding edge type ultra-fine particle tungsten steel milling cutter - 4 blade (standard type)



规格型号 Type	尺寸 Size (mm)					订购 编码 Order Number	单价 Price
	外径 D _{+0.03} +0	刃长 H	柄长 d (h7)	全长 L	齿数 T		
SWE4-12x30H	12	30	12	80	4	361300	240
14x35H	14	35	16	90	4	361302	280
16x40H	16	40	16	95	4	361304	310
18x40H	18	40	20	100	4	361306	370
20x45H	20	45	20	110	4	361308	410
25x50H	25	50	25	120	4	361310	510
30x55H	30	55	25	125	4	361312	670
32x60H	32	60	32	145	4	361314	765
35x65H	35	65	32	150	4	361316	850
40x65H	40	65	32	150	4	361318	885
45x70H	45	70	32	160	4	361320	1150
50x70H	50	70	32	160	4	361322	1220

SWEL4 螺旋焊刃式超微粒钨钢铣刀-4刃(加长型)

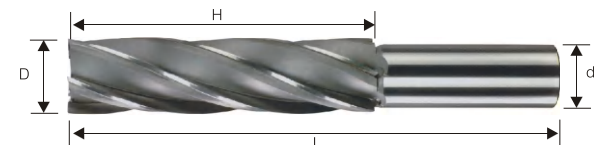
Spiral welding edge type ultra-fine particle tungsten steel milling cutter - 4 blade (long type)



规格型号 Type	尺寸 Size (mm)					订购 编码 Order Number	单价 Price
	外径 D _{+0.03} +0	刃长 H	柄长 d (h7)	全长 L	齿数 T		
SWEL4-12x40H	12	40	12	90	4	361400	300
14x45H	14	45	16	105	4	361402	340
16x50H	16	50	16	120	4	361404	380
18x60H	18	60	20	120	4	361406	510
20x75H	20	75	20	135	4	361408	615
25x85H	25	85	25	175	4	361410	805
30x100H	30	100	25	195	4	361412	1090
32x105H	32	105	32	205	4	361414	1240
35x105H	35	105	32	205	4	361416	1285
40x105H	40	105	32	205	4	361418	1330
45x105H	45	105	32	205	4	361420	1625
50x125H	50	125	32	240	4	361422	1995

SWELL4 螺旋焊刃式超微粒钨钢铣刀-4刃(特长型)

Spiral welding edge type ultra-fine particle tungsten steel milling cutter - 4 blade (extra long type)



规格型号 Type	尺寸 Size (mm)					订购 编码 Order Number	单价 Price
	外径 D _{+0.03} +0	刃长 H	柄长 d (h7)	全长 L	齿数 T		
SWELL4-20x100H	20	100	20	180	4	361500	805
25x120H	25	120	25	210	4	361502	1090
30x120H	30	120	25	210	4	361504	1335
32x120H	32	120	32	210	4	361506	1375
35x150H	35	150	32	250	4	361508	1740
40x150H	40	150	32	250	4	361510	1790
40x200H	40	200	32	305	4	361512	2315
45x150H	45	150	32	250	4	361514	2195
45x200H	45	200	32	305	4	361516	2840
50x150H	50	150	32	250	4	361518	2285
50x200H	50	200	32	305	4	361520	2950

铣刀
锯片
成型刀

钨钢
平底
铣刀

深沟
铣刀

微小
直径
铣刀

圆鼻
铣刀

球头
铣刀

粗皮
铣刀

锥度
铣刀

焊刃
铣刀

倒角
铣刀

T型
槽刀

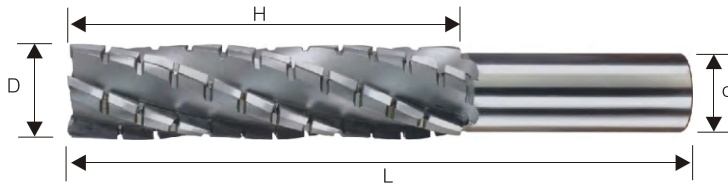
燕尾
槽刀

锯片
三面
刃侧刀

钨钢
圆棒

SWER4 螺旋焊刃式超微粒钨钢粗铣刀

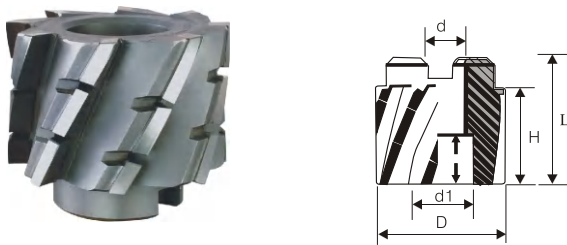
Spiral welding type ultrafine tungsten steel roughing cutter



规格型号 Type	尺寸 Size (mm)					订购 编码 Order Number	单价 Price
	外径 D _{+0.05 +0}	刃高 H	柄长 d (h7)	全长 L	齿数 T		
SWER4-30x60H	30	60	32	140	4	361600	915
30x80H	30	80	32	160	4	361602	1160
30x105H	30	105	32	205	4	361604	1505
32x60H	32	60	32	140	4	361606	950
32x80H	32	80	32	160	4	361608	1195
32x105H	32	105	32	205	4	361610	1540
35x60H	35	60	32	140	4	361612	985
35x80H	35	80	32	160	4	361614	1240
35x105H	35	105	32	205	4	361616	1605
40x60H	40	60	32	140	4	361618	1030
40x80H	40	80	32	160	4	361620	1285
40x105H	40	105	32	205	4	361622	1660
50x105H	50	105	42	205	5	361624	2480
50x125H	50	125	42	225	5	361626	2875
50x150H	50	150	42	250	5	361628	3365
50x205H	50	205	42	305	5	361630	4445

SWRT 螺旋焊刃式超微粒钨钢筒状粗铣刀

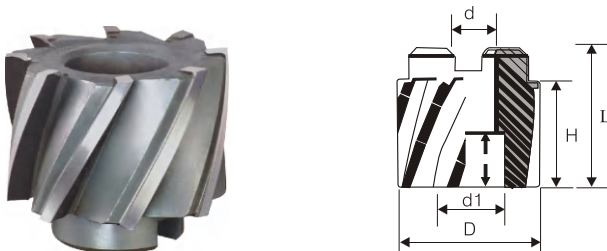
Spiral-welded ultra-fine tungsten steel tubular roughing cutter



规格型号 Type	尺寸 Size (mm)					订购 编码 Order Number	单价 Price
	外径 D _{+0.05 +0}	孔径 d (h7)	刃高 H	全长 L	齿数 T		
SWRT- 60x55H	60	1"	55	70	6	362100	1785
60x80H	60	1"	80	95	6	362102	2505
75x70H	75	1" 1/4	70	85	8	362104	2390
75x80H	75	1" 1/4	80	95	8	362106	3365
75x100H	75	1" 1/4	100	115	8	362108	4145

SWT 螺旋焊刃式超微粒钨钢筒状铣刀 (加长型)

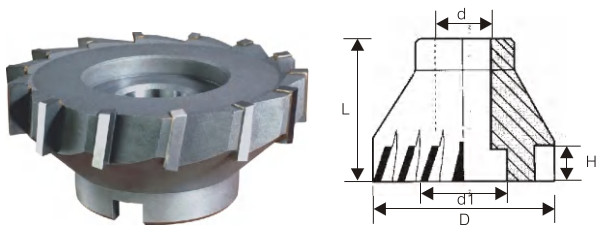
Spiral-welded ultra-fine tungsten steel tubular milling cutter (long type)



规格型号 Type	尺寸 Size (mm)					订购 编码 Order Number	单价 Price
	外径 D _{+0.05 +0}	孔径 d (h7)	刃高 H	全长 L	齿数 T		
SWT- 60x48H	60	1"	48	65	6	362200	1275
60x70H	60	1"	70	85	6	362202	1775
75x48H	75	1" 1/4	48	65	8	362204	1705
75x70H	75	1" 1/4	70	85	8	362206	2375
75x100H	75	1" 1/4	100	115	8	362208	3315

SWFT 焊刃式超微粒钨钢筒状平面铣刀

Welding edge type ultra-fine particle tungsten steel tubular face milling cutter



规格型号 Type	尺寸 Size (mm)						订购 编码 Order Number	单价 Price
	外径 D _{+1.0 +0}	孔径 d (h7)	刃高 H	底盘 直径d ₁	全长 L	齿数 T		
SWFT- 75x15H	75	1"	15	46	55	8	362300	690
100x15H	100	1" 1/4	15	60	55	10	362302	1045
125x15H	125	1" 1/4	15	70	55	14	362304	1485
150x15H	150	2"	15	80	55	16	362306	1905

铣刀
锯片
成型刀

钨钢
平底
铣刀

深沟
铣刀

微小
直径
铣刀

圆鼻
铣刀

球头
铣刀

粗皮
铣刀

锥度
铣刀

焊刃
铣刀

倒角
铣刀

T型
槽刀

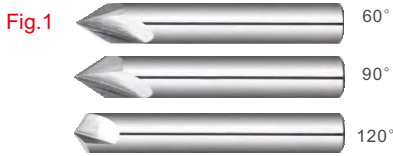
燕尾
槽刀

锯片
三面
刃侧
铣刀

钨钢
圆棒

WGDDZ. 钨钢定点钻

Tungsten steel fixed-point drill

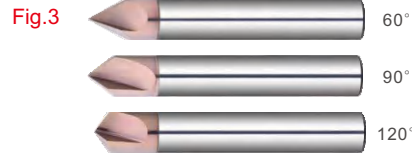


👉 刀具涂层: 无

Tool coating: Without

👉 适用: 铝、铝合金、压铸铝

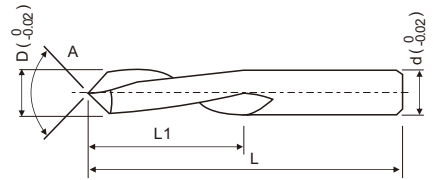
Use: Aluminum, aluminum alloy, die-cast aluminum



👉 刀具涂层: 纳米涂层 Tool coating: Nano coating

👉 适用: 模具预硬钢、淬火钢、合金钢、工具钢、有色金属、灰口铸铁、普通模具钢

Use: Die prehardened steel, Quenched steel, Alloy steel, Tool steel, Nonferrous metal, Gray cast iron, Common die steel



铣刀
锯片
成型刀

钨钢
平底
铣刀

深沟
铣刀

微小
直径
铣刀

圆鼻
铣刀

球头
铣刀

粗皮
铣刀

锥度
铣刀

焊刃
铣刀

倒角
铣刀

T型
槽刀

燕尾
槽刀

锯片
三面
刃铣刀

钨钢
圆棒

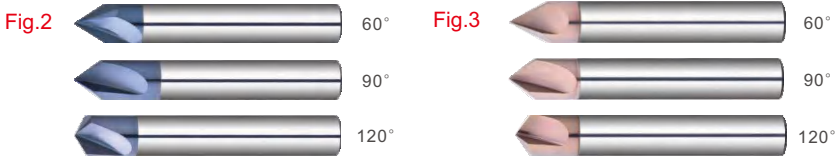
Fig.1 铝用不涂层 AL Uncoated	Fig.2 黑色涂层 Black Coating	Fig.3 古铜色涂层 Bronze Colored Coating	钻尖角度 A Drill point angle	刃径 D Outside Diameter	柄径 d Shank Diameter	刃长 L1 Flute Length	总长 L Total Length	Order Number
WGDDZ1.0D4L50A60	WGDDZ1.0D4L50A60B	WGDDZ1.0D4L50A60T	60°	1	4	2	50	
WGDDZ2.0D4L50A60	WGDDZ2.0D4L50A60B	WGDDZ2.0D4L50A60T	60°	2	4	4	50	
WGDDZ3.0D4L50A60	WGDDZ3.0D4L50A60B	WGDDZ3.0D4L50A60T	60°	3	4	6	50	
WGDDZ4.0D4L50A60	WGDDZ4.0D4L50A60B	WGDDZ4.0D4L50A60T	60°	4	4	8	50	
WGDDZ5.0D5L50A60	WGDDZ5.0D5L50A60B	WGDDZ5.0D5L50A60T	60°	5	5	10	50	
WGDDZ6.0D6L50A60	WGDDZ6.0D6L50A60B	WGDDZ6.0D6L50A60T	60°	6	6	12	50	
WGDDZ8.0D8L60A60	WGDDZ8.0D8L60A60B	WGDDZ8.0D8L60A60T	60°	8	8	16	60	
WGDDZ10D10L75A60	WGDDZ10D10L75A60B	WGDDZ10D10L75A60T	60°	10	10	20	75	
WGDDZ12D12L75A60	WGDDZ12D12L75A60B	WGDDZ12D12L75A60T	60°	12	12	24	75	

Fig.1 铝用不涂层 AL Uncoated	Fig.2 黑色涂层 Black Coating	Fig.3 古铜色涂层 Bronze Colored Coating	钻尖角度 A Drill point angle	刃径 D Outside Diameter	柄径 d Shank Diameter	刃长 L1 Flute Length	总长 L Total Length	Order Number
WGDDZ1.0D4L50A90	WGDDZ1.0D4L50A90B	WGDDZ1.0D4L50A90T	90°	1	4	2	50	
WGDDZ1.5D4L50A90	WGDDZ1.5D4L50A90B	WGDDZ1.5D4L50A90T	90°	1.5	4	3	50	
WGDDZ2.0D4L50A90	WGDDZ2.0D4L50A90B	WGDDZ2.0D4L50A90T	90°	2	4	4	50	
WGDDZ2.5D4L50A90	WGDDZ2.5D4L50A90B	WGDDZ2.5D4L50A90T	90°	2.5	4	5	50	
WGDDZ3.0D3L50A90	WGDDZ3.0D3L50A90B	WGDDZ3.0D3L50A90T	90°	3	3	6	50	
WGDDZ3.0D3L100A90	WGDDZ3.0D3L100A90B	WGDDZ3.0D3L100A90T	90°	3	3	6	100	
WGDDZ3.0D4L50A90	WGDDZ3.0D4L50A90B	WGDDZ3.0D4L50A90T	90°	3	4	6	50	
WGDDZ4.0D4L50A90	WGDDZ4.0D4L50A90B	WGDDZ4.0D4L50A90T	90°	4	4	8	50	
WGDDZ4.0D4L100A90	WGDDZ4.0D4L100A90B	WGDDZ4.0D4L100A90T	90°	4	4	8	100	
WGDDZ5.0D5L50A90	WGDDZ5.0D5L50A90B	WGDDZ5.0D5L50A90T	90°	5	5	10	50	
WGDDZ5.0D5L100A90	WGDDZ5.0D5L100A90B	WGDDZ5.0D5L100A90T	90°	5	5	10	100	
WGDDZ6.0D6L50A90	WGDDZ6.0D6L50A90B	WGDDZ6.0D6L50A90T	90°	6	6	12	50	
WGDDZ6.0D6L100A90	WGDDZ6.0D6L100A90B	WGDDZ6.0D6L100A90T	90°	6	6	12	100	
WGDDZ8.0D8L60A90	WGDDZ8.0D8L60A90B	WGDDZ8.0D8L60A90T	90°	8	8	16	60	
WGDDZ8.0D8L100A90	WGDDZ8.0D8L100A90B	WGDDZ8.0D8L100A90T	90°	8	8	16	100	
WGDDZ10D10L75A90	WGDDZ10D10L75A90B	WGDDZ10D10L75A90T	90°	10	10	20	75	
WGDDZ10D10L100A90	WGDDZ10D10L100A90B	WGDDZ10D10L100A90T	90°	10	10	20	100	
WGDDZ12D12L75A90	WGDDZ12D12L75A90B	WGDDZ12D12L75A90T	90°	12	12	24	75	
WGDDZ12D12L100A90	WGDDZ12D12L100A90B	WGDDZ12D12L100A90T	90°	12	12	24	100	
WGDDZ14D14L100A90	WGDDZ14D14L100A90B	WGDDZ14D14L100A90T	90°	14	14	28	100	
WGDDZ16D16L100A90	WGDDZ16D16L100A90B	WGDDZ16D16L100A90T	90°	16	16	32	100	
WGDDZ18D18L100A90	WGDDZ18D18L100A90B	WGDDZ18D18L100A90T	90°	18	18	36	100	
WGDDZ20D20L100A90	WGDDZ20D20L100A90B	WGDDZ20D20L100A90T	90°	20	20	40	100	

Fig.1 铝用不涂层 AL Uncoated	Fig.2 黑色涂层 Black Coating	Fig.3 古铜色涂层 Bronze Colored Coating	钻尖角度 A Drill point angle	刃径 D Outside Diameter	柄径 d Shank Diameter	刃长 L1 Flute Length	总长 L Total Length	Order Number
WGDDZ1.0D4L50A120	WGDDZ1.0D4L50A120B	WGDDZ1.0D4L50A120T	120°	1	4	2	50	
WGDDZ2.0D4L50A120	WGDDZ2.0D4L50A120B	WGDDZ2.0D4L50A120T	120°	2	4	4	50	
WGDDZ3.0D4L50A120	WGDDZ3.0D4L50A120B	WGDDZ3.0D4L50A120T	120°	3	4	6	50	
WGDDZ4.0D4L50A120	WGDDZ4.0D4L50A120B	WGDDZ4.0D4L50A120T	120°	4	4	8	50	
WGDDZ5.0D5L50A120	WGDDZ5.0D5L50A120B	WGDDZ5.0D5L50A120T	120°	5	5	10	50	
WGDDZ6.0D6L50A120	WGDDZ6.0D6L50A120B	WGDDZ6.0D6L50A120T	120°	6	6	12	50	
WGDDZ8.0D8L60A120	WGDDZ8.0D8L60A120B	WGDDZ8.0D8L60A120T	120°	8	8	16	60	
WGDDZ10D10L75A120	WGDDZ10D10L75A120B	WGDDZ10D10L75A120T	120°	10	10	20	75	
WGDDZ12D12L75A120	WGDDZ12D12L75A120B	WGDDZ12D12L75A120T	120°	12	12	24	75	

WGDJD... 3 刃钨钢倒角刀

3-Edge tungsten steel chamfering cutter



适用: 模具预硬钢、淬火钢、合金钢、工具钢、有色金属、灰口铸铁、普通模具钢
Use: Die prehardened steel, Quenched steel, Alloy steel, Tool steel, Nonferrous metal, Gray cast iron, Common die steel

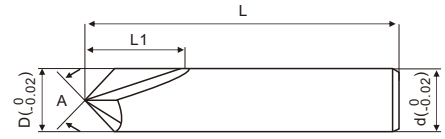


Fig.1	铝用不涂层 AL Uncoated	Fig.2	黑色涂层 Black Coating	Fig.3	古铜色涂层 Bronze Colored Coating	钻尖角度 A Drill point angle	刃径 D Outside Diameter	柄径 d Shank Diameter	刃长 L1 Flute Length	总长 L Total Length	Order Number
WGDJD1.0D4L50A60		WGDJD1.0D4L50A60B		WGDJD1.0D4L50A60T		60°	1	4	2	50	
WGDJD2.0D4L50A60		WGDJD2.0D4L50A60B		WGDJD2.0D4L50A60T		60°	2	4	4	50	
WGDJD3.0D4L50A60		WGDJD3.0D4L50A60B		WGDJD3.0D4L50A60T		60°	3	4	6	50	
WGDJD4.0D4L50A60		WGDJD4.0D4L50A60B		WGDJD4.0D4L50A60T		60°	4	4	8	50	
WGDJD5.0D5L50A60		WGDJD5.0D5L50A60B		WGDJD5.0D5L50A60T		60°	5	5	10	50	
WGDJD6.0D6L50A60		WGDJD6.0D6L50A60B		WGDJD6.0D6L50A60T		60°	6	6	12	50	
WGDJD8.0D8L60A60		WGDJD8.0D8L60A60B		WGDJD8.0D8L60A60T		60°	8	8	16	60	
WGDJD10D10L75A60		WGDJD10D10L75A60B		WGDJD10D10L75A60T		60°	10	10	20	75	
WGDJD12D12L75A60		WGDJD12D12L75A60B		WGDJD12D12L75A60T		60°	12	12	24	75	

Fig.1	铝用不涂层 AL Uncoated	Fig.2	黑色涂层 Black Coating	Fig.3	古铜色涂层 Bronze Colored Coating	钻尖角度 A Drill point angle	刃径 D Outside Diameter	柄径 d Shank Diameter	刃长 L1 Flute Length	总长 L Total Length	Order Number
WGDJD1.0D4L50A60		WGDJD1.0D4L50A60B		WGDJD1.0D4L50A60T		90°	1	4	2	50	
WGDJD2.0D4L50A60		WGDJD2.0D4L50A60B		WGDJD2.0D4L50A60T		90°	2	4	4	50	
WGDJD3.0D4L50A60		WGDJD3.0D4L50A60B		WGDJD3.0D4L50A60T		90°	3	4	6	50	
WGDJD4.0D4L50A60		WGDJD4.0D4L50A60B		WGDJD4.0D4L50A60T		90°	4	4	8	50	
WGDJD5.0D5L50A60		WGDJD5.0D5L50A60B		WGDJD5.0D5L50A60T		90°	5	5	10	50	
WGDJD6.0D6L50A60		WGDJD6.0D6L50A60B		WGDJD6.0D6L50A60T		90°	6	6	12	50	
WGDJD8.0D8L60A60		WGDJD8.0D8L60A60B		WGDJD8.0D8L60A60T		90°	8	8	16	60	
WGDJD10D10L75A60		WGDJD10D10L75A60B		WGDJD10D10L75A60T		90°	10	10	20	75	
WGDJD12D12L75A60		WGDJD12D12L75A60B		WGDJD12D12L75A60T		90°	12	12	24	75	

Fig.1	铝用不涂层 AL Uncoated	Fig.2	黑色涂层 Black Coating	Fig.3	古铜色涂层 Bronze Colored Coating	钻尖角度 A Drill point angle	刃径 D Outside Diameter	柄径 d Shank Diameter	刃长 L1 Flute Length	总长 L Total Length	Order Number
WGDJD1.0D4L50A120		WGDJD1.0D4L50A120B		WGDJD1.0D4L50A120T		120°	1	4	2	50	
WGDJD2.0D4L50A120		WGDJD2.0D4L50A120B		WGDJD2.0D4L50A120T		120°	2	4	4	50	
WGDJD3.0D4L50A120		WGDJD3.0D4L50A120B		WGDJD3.0D4L50A120T		120°	3	4	6	50	
WGDJD4.0D4L50A120		WGDJD4.0D4L50A120B		WGDJD4.0D4L50A120T		120°	4	4	8	50	
WGDJD5.0D5L50A120		WGDJD5.0D5L50A120B		WGDJD5.0D5L50A120T		120°	5	5	10	50	
WGDJD6.0D6L50A120		WGDJD6.0D6L50A120B		WGDJD6.0D6L50A120T		120°	6	6	12	50	
WGDJD8.0D8L60A120		WGDJD8.0D8L60A120B		WGDJD8.0D8L60A120T		120°	8	8	16	60	
WGDJD10D10L75A120		WGDJD10D10L75A120B		WGDJD10D10L75A120T		120°	10	10	20	75	
WGDJD12D12L75A120		WGDJD12D12L75A120B		WGDJD12D12L75A120T		120°	12	12	24	75	

STDJD... 双头钨钢定点钻

Double headed tungsten steel fixed-point drill

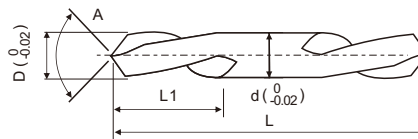


Fig.1	铝用不涂层 AL Uncoated	Fig.2	黑色涂层 Black Coating	Fig.3	古铜色涂层 Bronze Colored Coating	钻尖角度 A Drill point angle	刃径 D Outside Diameter	柄径 d Shank Diameter	刃长 L1 Flute Length	总长 L Total Length	Order Number
STDDZ3.0D4L100A90		STDDZ3.0D3L100A90B		STDDZ3.0D3L100A90T		90°	3	3	6	100	
STDDZ4.0D4L100A90		STDDZ4.0D4L100A90B		STDDZ4.0D4L100A90T		90°	4	4	8	100	
STDDZ5.0D5L100A90		STDDZ5.0D5L100A90B		STDDZ5.0D5L100A90T		90°	5	5	10	100	
STDDZ6.0D6L100A90		STDDZ6.0D6L100A90B		STDDZ6.0D6L100A90T		90°	6	6	12	100	
STDDZ8.0D8L100A90		STDDZ8.0D8L100A90B		STDDZ8.0D8L100A90T		90°	8	8	16	100	
STDDZ10D10L100A90		STDDZ10D10L100A90B		STDDZ10D10L100A90T		90°	10	10	20	100	
STDDZ12D12L100A90		STDDZ12D12L100A90B		STDDZ12D12L100A90T		90°	12	12	24	100	

铣刀
锯片
成型刀

钨钢
平底
铣刀

深沟
铣刀

微小
直径
铣刀

圆鼻
铣刀

球头
铣刀

粗皮
铣刀

锥度
铣刀

焊刃
铣刀

倒角
铣刀

T型
槽刀

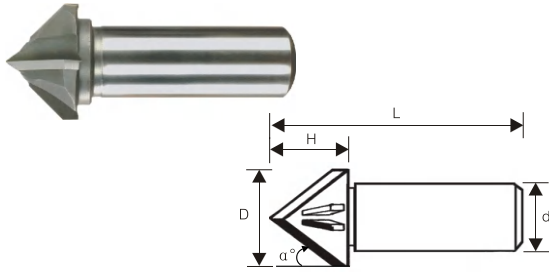
燕尾
槽刀

锯片
三面
刃侧
铣刀

钨钢
圆棒

SWA 45° 焊刃式超微粒钨钢倒角铣刀

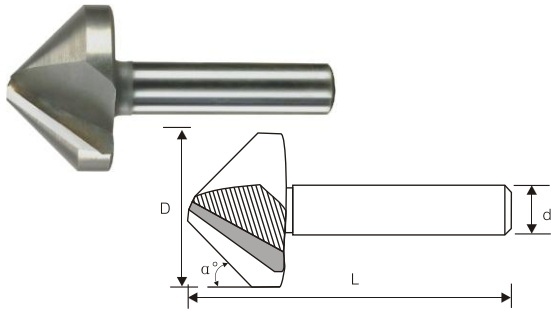
Welding edge type ultra-fine particle tungsten steel chamfering cutter



规格型号 Type	尺寸 Size (mm)						订购 编码 Order Number	单价 Price
	外径 D ^{+0.5 +0}	刃高 H	单边 角度 α	柄径 d (h7)	全长 L	齿数 T		
SWA45°-20	20	10	45°	16	90	2	363100	205
-25	25	12	45°	16	90	2	363102	255
-30	30	15	45°	20	100	2	363104	340
-35	35	17	45°	20	100	2	363106	390
-40	40	20	45°	25	100	2	363108	460
-50	50	25	45°	32	110	4	363110	920
-60	60	30	45°	32	120	6	363112	1340

SWCS 45° 焊刃式超微粒钨钢内孔倒角刀 (1刃手用型)

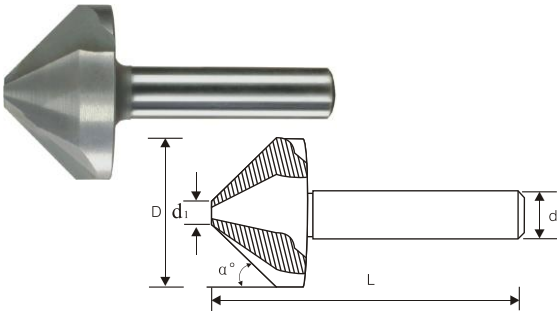
Welding edge type ultra-fine particle tungsten steel inner hole chamfering cutter (1 blade hand type)



规格型号 Type	尺寸 Size (mm)					订购 编码 Order Number	单价 Price
	外径 D ^{+0.5 +0}	柄径 d (h7)	全长 L	单边 角度 α	齿数 T		
SWCS45° 12X1T	12	8	60	45°	1T	363200	
16X1T	16	10	65	45°	1T	363202	
20X1T	20	10	70	45°	1T	363204	
25X1T	25	10	80	45°	1T	363206	
31X1T	31	12	80	45°	1T	363208	
40X1T	40	12	85	45°	1T	363210	
50X1T	50	12	85	45°	1T	363212	

SWCS 45° 焊刃式超微粒钨钢内孔倒角刀 (3刃机用型)

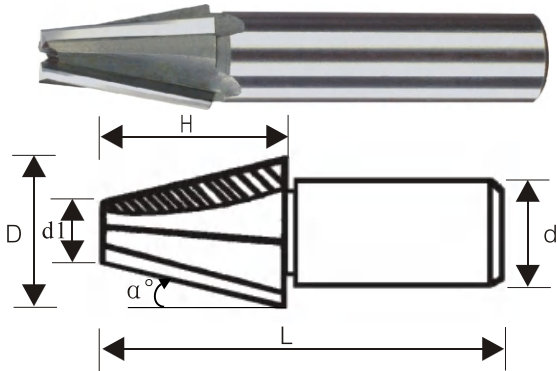
Welding edge type ultra-fine particle tungsten steel inner hole chamfering cutter (3 blade machine type)



规格型号 Type	尺寸 Size (mm)						订购 编码 Order Number	单价 Price
	外径 D ^{+0.5 +0}	最小径 d ₁	柄径 d (h7)	全长 L	单边 角度 α	齿数 T		
SWCS45° 12.4x3T	12.4	4.5	8	56	45°	3T	363300	
16.5x3T	16.5	5	10	60	45°	3T	363302	
20.5x3T	20.5	6	10	65	45°	3T	363304	
25x3T	25	6.5	10	65	45°	3T	363306	
31x3T	31	7.5	12	70	45°	3T	363308	
35x3T	35	7.5	12	70	45°	3T	363310	
40x3T	40	8	12	75	45°	3T	363312	
50x3T	50	9	12	80	45°	3T	363314	

SWA 焊刃式超微粒钨钢斜度铣刀

Welding edge type ultra-fine particle tungsten steel inclined milling cutter



规格型号 Type	尺寸 Size (mm)						订购 编码 Order Number	单价 Price
	小外径 D ^{+0.1 +0}	刃高 H	单边 角度 α	大外径 D	柄径 d (h7)	全长 L		
SWA 6-5°	6	30	5°	11.25	10	70	362500	185
6-8°	6	30	8°	14.53	12	70	362502	200
6-10°	6	30	10°	16.58	16	70		
6-12°	6	30	12°	18.75	16	70	362504	240
6-15°	6	30	15°	22.08	16	70		
8-5°	8	35	5°	14.12	12	85	362506	320
8-8°	8	35	8°	17.84	16	85		
8-10°	8	35	10°	20.34	16	85	362508	390
8-12°	8	35	12°	22.88	16	85		
8-15°	8	35	15°	26.76	16	85	362510	565
10-5°	10	40	5°	17	16	90		
10-8°	10	40	8°	21.24	16	90	362512	485
10-10°	10	40	10°	24.11	16	90		
10-12°	10	40	12°	27	16	90	362514	595
10-15°	10	40	15°	31.44	16	90		

铣刀
锯片
成型刀

钨钢
平底
铣刀

深沟
铣刀

微小
直径
铣刀

圆鼻
铣刀

球头
铣刀

粗皮
铣刀

锥度
铣刀

焊刃
铣刀

倒角
铣刀

T型
槽刀

燕尾
槽刀

锯片
三面
侧刀

钨钢
圆棒

55° 钨钢内R铣刀

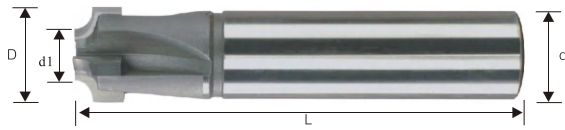
Tungsten Steel Inner R Milling Cutter
Can Cut Steel Below 55HRC



- AL-NRXD..** 铝用内R铣刀
Internal R milling cutter for aluminum
- H55C-NRXD..** 古铜色涂层铣刀
Bronze coated milling cutters

SWCR 焊刃式超微粒钨钢外角R铣刀

Welding edge type ultra-fine particle tungsten steel outer corner R milling cutter



规格尺寸 D1RxDxL	单价 RMB
D4R0.5xD4x50	
D4R0.75xD4x50	
D4R1.0xD4x50	
D6R1.0xD6x50	
D6R1.5xD6x50	
D6R2.0xD6x50	
D8R2.0xD8x50	
D8R2.5xD8x50	
D8R3.0xD8x50	
D10R4.0xD10x60	
D12R5.0xD12x60	

规格型号 Type	尺寸 Size (mm)						订购 编码 Order Number	单价 Price
	外径 D ⁰ _{-0.03}	小径 d1	R角	柄径 d (h7)	全长 L	齿数 T		
SWCR- 18-3.0R	18	10	3.0R	16	100	4	362400	235
20-3.5R	20	11	3.5R	16	100	4	362402	260
22-4.0R	22	12	4.0R	20	100	4	362404	280
24-4.5R	24	12	4.5R	20	120	4	362406	340
25-5.0R	25	13	5.0R	25	120	4	362408	340
28-6.0R	28	14	6.0R	25	120	4	362410	390
31-7.0R	31	15	7.0R	25	120	4	362412	435
33-8.0R	33	15	8.0R	32	130	4	362414	495
37-9.0R	37	17	9.0R	32	130	4	362416	575
42-10.0R	42	20	10.0R	32	130	4	362418	645
44-11.0R	44	20	11.0R	32	130	4	362420	710
48-12.0R	48	22	12.0R	32	150	4	362422	815
50-13.0R	50	22	13.0R	32	150	4	362424	890
52-14.0R	52	22	14.0R	42	150	4	362426	925
54-15.0R	54	22	15.0R	42	150	4	362428	1010
56-16.0R	56	22	16.0R	42	170	4	362430	1115
60-18.0R	60	22	18.0R	42	170	4	362432	1245
64-20.0R	64	22	20.0R	42	170	4	362434	1385

钨钢中心钻 产品编码: 532...

Tungsten steel fixed point drill, center drill



WGZXZ..

尺寸 size				单价 Order Number
刃径 Blade diameter	刃长 blade length	柄径 Stem diameter	全长 entire length	
Ø1.0	2.4	4	38	
Ø1.5	2.4	4	38	
Ø2.0	2.9	4	50	
Ø2.0	2.9	6	50	
Ø2.5	3.1	6	50	
Ø3.0	3.9	6	50	
Ø3.0	3.9	8	50	
Ø4.0	5.0	10	65	
Ø5.0	6.3	12	60	

高速钢中心钻 产品编码: 529...

High speed steel center drill 通用型



ZXZ..

规格尺寸 size	单价 Order Number
0.4×3.0×31	
0.5×3.0×31	
0.6×3.5×36	
0.8×4.0×36	
1.0×4.0×36	
1.2×5.0×42	
1.5×5.0×42	
2.0×5.0×42	
2.5×6.0×47	
3.0×7.7×57	
3.2×7.7×57	
4.0×10×69	
5.0×11×69	
6.0×16×90	
8.0×18×100	
10×18×100	

铣刀
锯片
成型刀

钨钢
平底
铣刀

深沟
铣刀

小径
直铣刀

圆鼻
铣刀

球头
铣刀

粗皮
铣刀

锥度
铣刀

焊刃
铣刀

倒角
铣刀

T型
槽刀

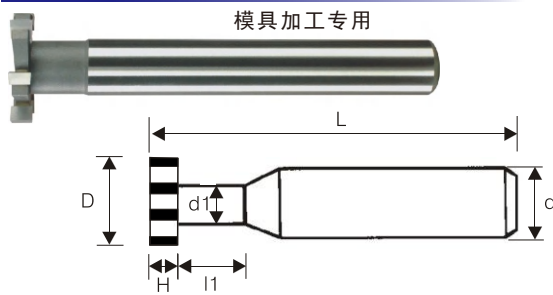
燕尾
槽刀

锯片
三面
刃侧
铣刀

钨钢
圆棒

SWT 焊刃式超微粒钨钢T型铣刀(平齿刃)

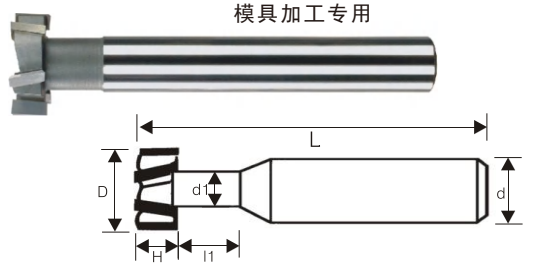
Welding edge type ultra-fine particle tungsten steel T-type milling cutter (flat tooth edge)



规格型号 Type	尺寸 Size (mm)							订购 编码 Order Number	单价 Price
	外径 D	刃高 H	颈径 d ₁	颈长 l ₁	柄径 d (h7)	全长 L	齿数 T		
SWT-16x(3~12)H	16	3/4/5/6/8/10/12	7	15	12	100	4	363400	190
20x(3~12)H	20	3/4/5/6/8/10/12	10	15	12	100	4	363402	190
25x(3~12)H	25	3/4/5/6/8/10/12	13	15	16	120	6	363404	285
30x(3~12)H	30	3/4/5/6/8/10/12	15	15	16	120	6	363406	290
32x(3~12)H	32	3/4/5/6/8/10/12	15	15	16	120	6	363408	290
35x(3~12)H	35	3/4/5/6/8/10/12	15	15	16	120	6	363410	300
40x(3~12)H	40	3/4/5/6/8/10/12	21	15	25	140	6	363412	380
45x(3~12)H	45	3/4/5/6/8/10/12	23	15	25	140	6	363414	380
50x(3~12)H	50	3/4/5/6/8/10/12	24.5	15	25	140	8	363416	530
60x(3~12)H	60	3/4/5/6/8/10/12	30	20	32	140	10	363418	630

SWTS 焊刃式超微粒钨钢T型铣刀(千鸟刃)

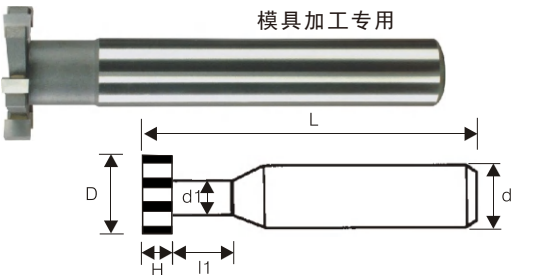
Welding edge type ultra-fine particle tungsten steel T-type milling cutter (Thousand Birds)



规格型号 Type	尺寸 Size (mm)							订购 编码 Order Number	单价 Price
	外径 D	刃高 H	颈径 d ₁	颈长 l ₁	柄径 d (h7)	全长 L	齿数 T		
SWTS-16x(6~12)H	16	6/8/10/12	7	15	12	100	4	363500	235
20x(6~12)H	20	6/8/10/12	10	15	12	100	4	363502	235
25x(6~12)H	25	6/8/10/12	13	15	16	120	6	363504	355
30x(6~12)H	30	6/8/10/12	15	15	16	120	6	363506	360
32x(6~12)H	32	6/8/10/12	15	15	16	120	6	363508	360
35x(6~12)H	35	6/8/10/12	15	15	16	120	6	363510	380
40x(6~12)H	40	6/8/10/12	21	15	25	140	6	363512	470
45x(6~12)H	45	6/8/10/12	23	15	25	140	6	363514	470
50x(6~12)H	50	8/10/12	24.5	15	25	140	8	363516	660
60x(6~12)H	60	8/10/12	30	20	32	140	10	363518	790

SWTI 焊刃式超微粒钨钢T型铣刀(平齿刃)

Welding edge type ultra-fine particle tungsten steel T-type milling cutter (flat tooth edge)



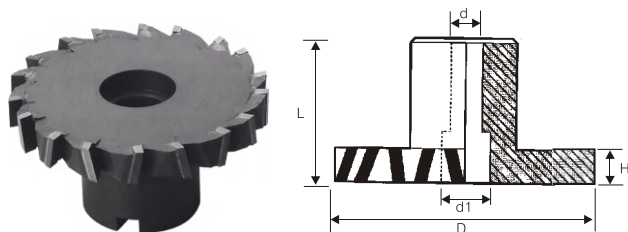
规格型号 Type	尺寸 Size (mm)							订购 编码 Order Number	单价 Price
	外径 D	刃高 H	颈径 d ₁	颈长 l ₁	柄径 d (h7)	全长 L	齿数 T		
SWTI-3/4"x1/8"H	3/4"	1/8"	10	12	1/2"	2"1/4	4	364100	160
3/4"x5/32"H	3/4"	5/32"	10	12	1/2"	2"1/4	4	364102	160
1"x1/8"H	1"	1/8"	13	12	1/2"	2"3/4	5	364104	230
1"x3/16"H	1"	3/16"	13	12	1/2"	2"3/4	6	364106	230
1"x1/4"H	1"	1/4"	13	12	1/2"	2"3/4	6	364108	260
1"1/4x3/16"H	1"1/4	3/16"	15	12	1/2"	2"3/4	6	364110	230
1"1/4x1/4"H	1"1/4	1/4"	15	12	1/2"	2"3/4	6	364112	260
1"1/4x5/16"H	1"1/4	5/16"	15	12	1/2"	2"3/4	6	364114	275

T型铣刀分差表 T-type milling cutter differential table

外径公差	刃高公差	外径公差	刃高公差	外径公差	刃高公差
~ φ10以下 -0.04 -0.13	~ 3以下 -0.02 -0.08	~ 30以下 -0.06 -0.19	~ 10以下 -0.04 -0.13	~ 80以下 -0.10 -0.29	~ 30以下 -0.06 -0.19
~ 18以下 -0.05 -0.16	~ 6以下 -0.03 -0.10	~ 50以下 -0.08 -0.24	~ 18以下 -0.05 -0.16		

SWST 焊刃式超微粒钨钢筒状侧铣刀

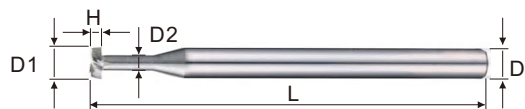
Welding edge type ultra-fine particle tungsten steel tubular side milling cutter



规格型号 Type	尺寸 Size (mm)						订购 编码 Order Number	单价 Price
	外径 D	刃高 H	孔径 d (h7)	底盘 直径d ₂	总高度 L	齿数 T		
SWST-100x16H	100	16	1"1/4	55	60	14	364500	1295
SWST-125x18H	125	18	1"1/4	60	60	16	364502	1770
SWST-150x20H	150	20	1"1/4	70	60	18	364504	2330

60° 钨钢T型槽铣刀

Tungsten Steel T-Groove Side Milling
Cutter Can Cut Steel Below 55HRC



AL-TXD.. 铝用T型槽铣刀

T-slot milling cutter for aluminum

TXD.. 古铜色T型槽涂层铣刀

Bronze T-groove coated milling cutter

规格尺寸 D1RxDxL	单价 RMB
D4x0.5HxD1.5xD6x50	
D4x1HxD1.5xD6x50	
D4x1.5HxD1.5xD6x50	
D4x2HxD1.5xD6x50	
D4x3HxD1.5xD6x50	
D6x0.5HxD2.5xD8x50	
D6x1HxD2.5xD8x50	
D6x1.5HxD2.5xD8x50	
D6x2HxD2.5xD8x50	
D6x3HxD2.5xD8x50	
D8x0.5HxD3.5xD8x60	
D8x1HxD3.5xD8x60	
D8x1.5HxD3.5xD8x60	
D8x2HxD3.5xD8x60	
D8x3HxD3.5xD8x60	
D10x0.5HxD4xD10x75	
D10x1HxD4xD10x75	
D10x1.5HxD4xD10x75	
D10x2HxD4xD10x75	
D10x3HxD4xD10x75	
D12x0.5HxD5xD12x75	
D12x1HxD5xD12x75	
D12x1.5HxD5xD12x75	
D12x2HxD5xD12x75	
D12x3HxD5xD12x75	

棒棒糖铣刀

Round Head T-Groove Cutter

AL-BBTXD.. 铝用T型槽铣刀

T-slot milling cutter for aluminum



BBTXD.. 古铜色T型槽涂层铣刀

Bronze T-groove coated milling cutter



规格尺寸 DxR	铝用 AL	涂层 Coatings
3xR0.5~R1.5		
4xR0.5~R2.0		
5xR0.5~R2.5		
6xR1.0~R3.0		
8xR1.0~R4.0		
10xR1.0~R5.0		
12xR1.0~R6.0		

铣刀
锯片
成型刀

钨钢
平底
铣刀

深沟
铣刀

微小
直径
铣刀

圆鼻
铣刀

球头
铣刀

粗皮
铣刀

锥度
铣刀

焊刃
铣刀

倒角
铣刀

T型
槽刀

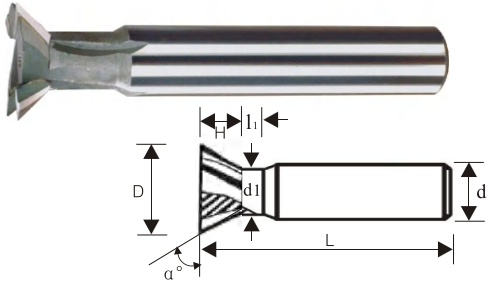
燕尾
槽刀

锯片
三面
刃侧
铣刀

钨钢
圆棒

SWD 45° 焊刃式超微粒钨钢鸠尾槽铣刀-45°

Welding edge type ultra-fine particle tungsten steel tail groove milling cutter -45°

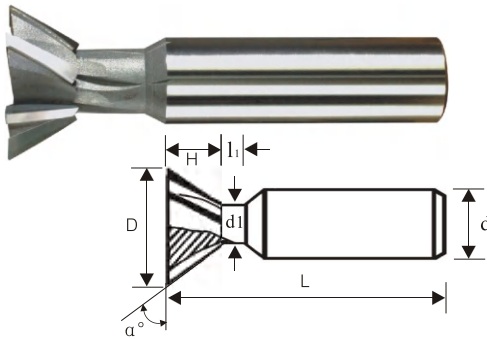


规格型号 Type	尺寸 Size (mm)							订购 编码 Order Number	单价 Price	
	外径 D	刃高 H	颈径 d ₁	颈长 l ₁	单边 角度 α°	柄径 d (h7)	全长 L			齿数 T
SWD45°-20	20	6	9	15	45°	12	95	4	364200	230
-25	25	7	10	15	45°	12	95	4	364202	280
-30	30	8	11	15	45°	16	100	4	364204	350
-35	35	10	13	15	45°	16	100	4	364206	425
-40	40	12	13	15	45°	20	100	6	364208	630
-45	45	13	17	15	45°	20	100	6	364210	775
-50	50	15	17	15	45°	25	105	6	364212	910
-60	60	18	21	15	45°	25	110	6	364214	1115
-65	65	20	21	20	45°	25	110	6	364216	1225

铣刀
锯片
成型刀

SWD 60° 焊刃式超微粒钨钢鸠尾槽铣刀-60°

Welding edge type ultra-fine particle tungsten steel tail groove milling cutter -60°



规格型号 Type	尺寸 Size (mm)							订购 编码 Order Number	单价 Price	
	外径 D	刃高 H	颈径 d ₁	颈长 l ₁	单边 角度 α°	柄径 d (h7)	全长 L			齿数 T
SWD60°-20	20	8	9	15	60°	12	90	4	364300	240
25	25	11	10	15	60°	12	95	4	364302	300
30	30	14	11	15	60°	20	100	4	364304	400
35	35	15	15	15	60°	20	100	6	364306	590
40	40	17	17	20	60°	20	105	6	364308	665
45	45	20	19	20	60°	20	105	6	364310	865
50	50	22	22	20	60°	25	110	6	364312	1005
55	55	26	22	20	60°	25	110	6	364314	1140
60	60	28	25	20	60°	32	120	6	364316	1270
65	65	32	25	20	60°	32	120	6	364318	1380

钨钢
平底
铣刀

深沟
铣刀

微小
直径
铣刀

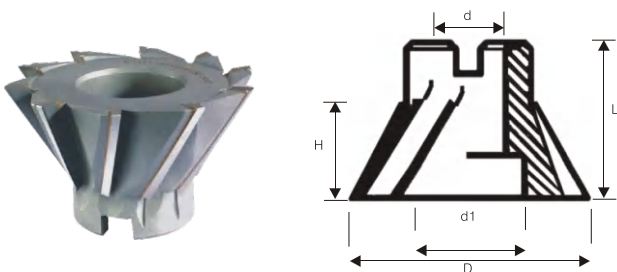
圆鼻
铣刀

球头
铣刀

粗皮
铣刀

SWDT 60° 焊刃式超微粒钨钢鸠尾槽筒状铣刀-60°

Welding edge type ultra-fine particle tungsten steel dovetail cylindrical milling cutter -60°



规格型号 Type	尺寸 Size (mm)					订购 编码 Order Number	单价 Price	
	外径 D	刃高 H	孔径 d (h7)	底盘 直径 d ₁	总高度 L			齿数 T
SWDT60°-80	80	30	1"	42	50	8	364400	1410
SWDT60°-100	100	40	1"	50	60	10	364402	2180
SWDT60°-100	100	40	1"1/4	50	60	10	364404	2180
SWDT60°-125	125	50	1"1/4	60	70	10	364406	3030
SWDT60°-150	150	55	1"1/2	80	75	12	364408	4030

锥度
铣刀

焊刃
铣刀

倒角
铣刀

T型
槽刀

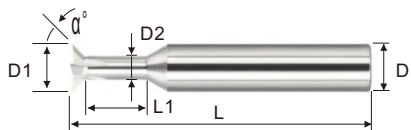
燕尾
槽刀

锯片
三面
侧刀

钨钢
圆棒

60° 钨钢燕尾槽铣刀

Tungsten Steel Dovetail Groove Milling Cutter Can Cut Steel Below 60HRC



AL-YWD..

铝用燕尾槽铣刀

Aluminum dovetail groove milling cutter

YWD..

古铜色燕尾槽涂层铣刀

Bronze dovetail groove coated milling cutter

规格尺寸 D1xα° xD2xL1xDxL	单价 RMB
D4x90°x D1.5x6xD4x50	
D6x90°x D2.5x8xD6x50	
D8x90°x D3x6xD8x50	
D10x90°x D4x10xD10x60	
D12x90°x D5x12xD12x60	

铣刀
锯片
成型刀

钨钢
平底
铣刀

深沟
铣刀

小直径
铣刀

圆鼻
铣刀

球头
铣刀

粗皮
铣刀

锥度
铣刀

焊刃
铣刀

倒角
铣刀

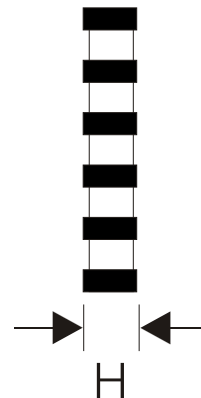
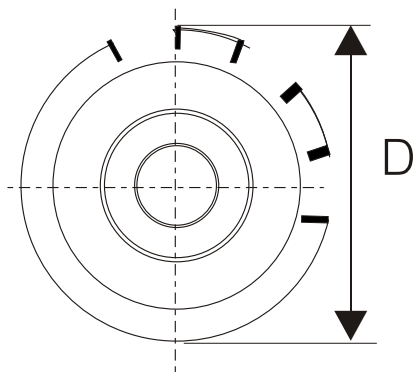
T型
槽刀

燕尾
槽刀

锯片
三面
刃侧
铣刀

钨钢
圆棒

SWS 焊刃式超微粒钨钢侧铣刀 Welding edge type ultrafine tungsten steel side milling cutter



直刃 (25. 4孔) 平齿

规格型号 Type	尺寸 Size(mm)			订购编码 Order Number	单价 Price
	外径 D $+0.05$ $+0$	刃厚 H $+0.02$ $+0$	齿数 T		
SWS-75x3H	75	3	14	365100	380
SWS-75x4H	75	4	14	365102	380
SWS-75x5H	75	5	14	365104	380
SWS-75x6H	75	6	14	365106	380
SWS-75x7H	75	7	14	365108	470
SWS-100x3H	100	3	16	365110	450
SWS-100x4H	100	4	16	365112	450
SWS-100x5H	100	5	16	365114	450
SWS-100x6H	100	6	16	365116	450
SWS-100x7H	100	7	16	365118	560
SWS-125x3H	125	3	18	365120	450
SWS-125x4H	125	4	18	365122	530
SWS-125x5H	125	5	18	365124	530
SWS-125x6H	125	6	18	365126	530
SWS-125x7H	125	7	18	365128	660
SWS-150x3H	150	3	20	365130	625
SWS-150x4H	150	4	20	365132	625
SWS-150x5H	150	5	20	365134	625
SWS-150x6H	150	6	20	365136	625
SWS-150x7H	150	7	20	365138	775
SWS-175x5H	175	5	20	365140	695
SWS-175x6H	175	6	20	365142	695
SWS-175x7H	175	7	20	365144	855
SWS-200x5H	200	5	24	365146	2100
SWS-200x6H	200	6	24	365148	2100
SWS-200x7H	200	7	24	365150	2600

铣刀
锯片
成型刀

钨钢
平底
铣刀

深沟
铣刀

微小
直径
铣刀

圆鼻
铣刀

球头
铣刀

粗皮
铣刀

锥度
铣刀

焊刃
铣刀

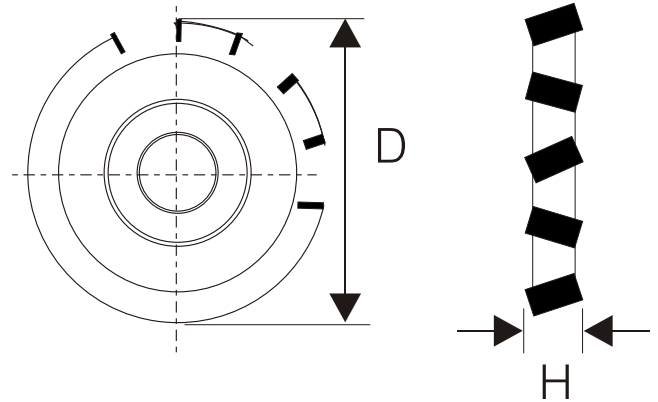
倒角
铣刀

T型
槽刀

燕尾
槽刀

片
三面
刃铣刀

钨钢
圆棒



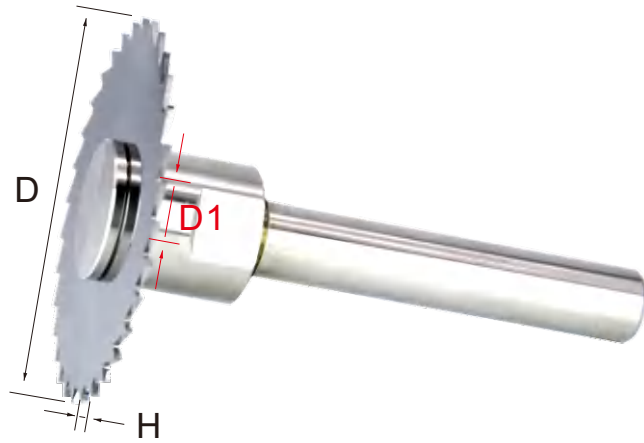
千岛刃(25.4孔)错齿

规格型号 Type	尺寸 Size(mm)			订购编码 Order Number	单价 Price
	外径 D ^{+0.05} ₊₀	刃厚 H ^{+0.02} ₊₀	齿数 T		
SWSS-75x8H	75	8	14	365200	585
SWSS-75x9H	75	9	14	365202	700
SWSS-75x10H	75	10	14	365204	700
SWSS-75x11H	75	11	14	365206	810
SWSS-75x12H	75	12	14	365208	810
SWSS-100x8H	100	8	16	365210	700
SWSS-100x9H	100	9	16	365212	830
SWSS-100x10H	100	10	16	365214	830
SWSS-100x11H	100	11	16	365216	915
SWSS-100x12H	100	12	16	365218	915
SWSS-125x8H	125	8	18	365220	825
SWSS-125x9H	125	9	18	365222	985
SWSS-125x10H	125	10	18	365224	985
SWSS-125x11H	125	11	18	365226	1140
SWSS-125x12H	125	12	18	365228	1140
SWSS-150x8H	150	8	20	365230	970
SWSS-150x9H	150	9	20	365232	1155
SWSS-150x10H	150	10	20	365234	1155
SWSS-150x11H	150	11	20	365236	1340
SWSS-150x12H	150	12	20	365238	1340
SWSS-175x8H	175	8	20	365240	1070
SWSS-175x9H	175	9	20	365242	1275
SWSS-175x10H	175	10	20	365244	1275
SWSS-175x11H	175	11	20	365246	1480
SWSS-175x12H	175	12	20	365248	1480
SWSS-200x8H	200	8	24	365250	1300
SWSS-200x9H	200	9	24	365252	1550
SWSS-200x10H	200	10	24	365254	1550
SWSS-200x11H	200	11	24	365256	1800
SWSS-200x12H	200	12	24	365258	1800

铣刀
锯片
成型刀钨钢
平底
铣刀深沟
铣刀微小
直径
铣刀圆鼻
铣刀球头
铣刀粗皮
铣刀锥度
铣刀焊刃
铣刀倒角
铣刀T型
槽刀燕尾
槽刀锯片
三面
刃侧
铣刀钨钢
圆棒

锯片刀杆

Saw Blade Toolholder



WGJP..

钨钢锯片

tungsten steel saw blade

规格表达: WGJPDx厚度xD1x刃数

WGJP20x0.6x6x20T

铣刀
锯片
成型刀

规格 DxD1x刃数	厚度 H									
	0.2~1.0	1.1~1.3	1.4~1.5	1.6~2.0	2.1~2.5	2.6~3.0	3.1~3.5	3.6~4.0	4.1~4.5	4.6~5.0
20x6x20T	37	47	47							
20x6x45T	41	50	50	56						
25x6x25T	43	53	53							
25x6x45T	47	56	61	69						
30x10x26T	47	56	56							
30x10x50T	50	57	57	63						
35x10x50T	56	66	66	70						
40x13	41	41	41	46	51	61	70	77	90	100
50x16	54	54	54	64	74	93	100	116	123	131
60x16	64	64	71	83	97	123	136	150	177	193
63x16	74	74	79	93	107	131	161	177	200	231
70x22	84	84	84	100	127	177	193	229	240	251
75x22/25.4	101	101	101	117	147	176	206	231	263	293
80x22/25.4	111	111	111	136	167	209	244	277	309	347
90x22/27	139	139	139	177	210	254	296	344	379	424
100x22/27x	157	157	157	213	263	316	370	417	486	540
110x22/27	179	179	200	247	309	393	456	517	586	656
125x22/27	229	229	244	309	401	509	556	663	749	817
150x32	401	401	447	509	571	701	771	871	957	1057
160x32	431	431	479	556	649	756	880	996	1111	1227
180x32	586	586	694	817	926	1049				
200x32	803	803	894	1019	1157	1311	1481	1666		

钨钢
平底
铣刀

深沟
铣刀

微小
直径
铣刀

圆鼻
铣刀

球头
铣刀

粗皮
铣刀

锥度
铣刀

焊刃
铣刀

倒角
铣刀

T型
槽刀

燕尾
槽刀

锯片
三面
刃铣刀

钨钢
圆棒

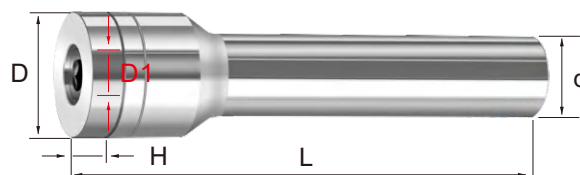
锯片刀杆

Saw Blade Toolholder

JPDG..

新款

NEW



规格		单价
内孔x柄径x头部x压帽x总长		RMB
12.7	xd12xD18xH4.6x68L	39
13	xd12xD18xH4.6x68L	39
	xd12xD18xH4.6x92L	60
16	xd10xD18xH4.6x68L	39
	xd10xD18xH4.6x92L	60
16	xd16xD22xH5.5x75L	47
	xd16xD22xH5.5x140L	97
	xd16xD22xH5.5x180L	176
	多锯片xd16xD22xH5.5x180L	214
22	xd15xD22xH5.5x80L	47
	xd15xD22xH5.5x130L	97
	xd16xD28xH5.5x88L	51
22	xd16xD28xH5.5x130L	150
	xd20xD28xH5.5x88L	51
	xd20xD28xH5.5x130L	150
	xd20xD32xH7.1x85L	56
25.4	xd20xD32xH7.1x180L	226
	xd20xD32xH7.1x85L	56
27	xd20xD32xH7.1x180L	226
	xd20xD32xH7.1x85L	56
32	xd20xD37xH7.1x90L	73

规格		单价
D1xdxDxHxL		RMB
4	xd8xD8xH3.7x50L	33
	xd8xD8xH3.7x60L	34
	xd8xD8xH3.7x80L	43
5	xd10xD10xH4.3x68L	34
6	xd10xD10xH4.3x68L	34
8	xd10xD10xH4.3x95L	47
	xd12xD12xH5.2x68L	36
10	xd10xD15xH4.3x68L	39
	xd10xD15xH4.3x95L	53
	xd9xD15xH4.3x68L	39
	xd9xD15xH4.3x92L	53

铣刀
锯片
成型刀

钨钢
平底
铣刀

深沟
铣刀

微小
直径
铣刀

圆鼻
铣刀

球头
铣刀

粗皮
铣刀

锥度
铣刀

焊刃
铣刀

倒角
铣刀

T型
槽刀

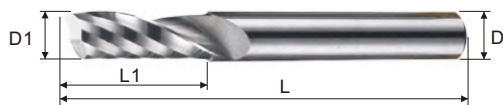
燕尾
槽刀

锯片
三面
侧刀

钨钢
圆棒

单刃亚克力铣刀

Single-Edge Acrylic / Aluminium Milling Cutter



YKL-1F55C..

规格尺寸 Dimensions D1xL1xDxL	普通 General	抛光 Polishing	铝用 AL -Polishing
D2x6xD3. 175x50	8.6		
D2x8xD3. 175x50	8.6		
D2x10xD3. 175x50	8.6		
D2x12xD3. 175x50	8.6		
D2x22xD3. 175x50	8.6		
D2.5x8xD3. 175x50	8.6		
D2.5x15xD3. 175x50	8.6		
D2.5x22xD3. 175x50	8.6		
D3. 175x12xD3. 175x50	8.6	16.6	18
D3. 175x15xD3. 175x50	8.6	16.6	18
D3. 175x17xD3. 175x50	8.6	16.6	18
D3. 175x22xD3. 175x50	13	18	19.6
D3. 175x25xD3. 175x50	14.5	18	19.6
D3. 175x28xD3. 175x50	16	24	25.6
D3. 175x32xD3. 175x50	17	27	28.6
D3. 175x42xD3. 175x60	33	39	40.6
D3. 175x52xD3. 175x70	43	51	52.6
D4x12xD4x50	20	22.6	25.6
D4x15xD4x50	20	22.6	25.6
D4x17xD4x50	20	22.6	25.6
D4x22xD4x50	20	22.6	25.6
D4x25xD4x50	22	24	27
D4x28xD4x50	25	30	33
D4x32xD4x50	27	36	39
D4x42xD4x60	43	51	54
D4x52xD4x70	56	72	75
D6x12xD6x50	39	42	48
D6x15xD6x50	39	42	48
D6x17xD6x50	39	42	48
D6x22xD6x50	39	42	48
D6x25xD6x50	39	42	48
D6x28xD6x50	47	51	57
D6x32xD6x50	47	54	60
D6x42xD6x60	66	74.6	81
D6x52xD6x70	85	93.4	108
D6x62xD6x80	105	135	141
D6x72xD6x90	132	165	171
D8x20xD8x50	83	140	178.6
D8x32xD8x50	83	140	178.6
D10x20xD10x50	148	150	207.1
D10x32xD10x50	148	150	207.1
D12x20xD12x50	197	210	225
D12x32xD12x50	197	210	225

铣刀
锯片
成型刀

钨钢
平底
铣刀

深沟
铣刀

微小
直径
铣刀

圆鼻
铣刀

球头
铣刀

粗皮
铣刀

锥度
铣刀

焊刃
铣刀

倒角
铣刀

T型
槽刀

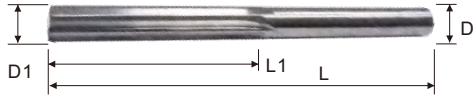
燕尾
槽刀

锯片
三面
侧刀

钨钢
圆棒

55° 直刃钨钢铰刀

Straight-Edged Tungsten Steel Reamer



WGZCJD..

直槽涂层铰刀

Straight groove coated reamer

AL-WGZCJD..

直槽铝用无涂层

Uncoated straight groove aluminum

规格尺寸 D1xL1xDxLx刃数T	单价 RMB
D3x50xD3x100Lx4T	25
D4x50xD4x100Lx4T	27
D5x50xD5x100Lx6T	37
D6x50xD6x100Lx6T	40
D8x50xD8x100Lx6T	61
D10x50xD10x100Lx6T	93
D12x50xD12x100Lx6T	126

55° 螺旋刃钨钢铰刀

Spiral-Edged Tungsten Steel Reamer



WGLXJD..

螺旋槽涂层铰刀

Spiral groove coated reamer

AL-WGLXJD..

螺旋槽铝用无涂层

Uncoated spiral groove aluminum

规格尺寸 D1xL1xDxLx刃数T	单价 RMB
D3x50xD3x100Lx4T	32
D4x50xD4x100Lx4T	34
D5x50xD5x100Lx6T	47
D6x50xD6x100Lx6T	56
D8x50xD8x100Lx6T	89
D10x50xD10x100Lx6T	129
D12x50xD12x100Lx6T	171

铣刀
锯片
成型刀

钨钢
平底
铣刀

深沟
铣刀

微小
直径
铣刀

圆鼻
铣刀

球头
铣刀

粗皮
铣刀

锥度
铣刀

焊刃
铣刀

倒角
铣刀

T型
槽刀

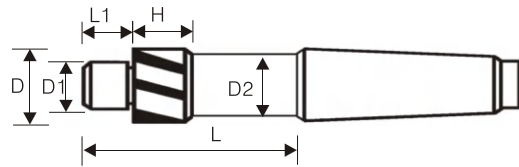
燕尾
槽刀

锯片
三面
刃侧
铣刀

钨钢
圆棒

SWC 焊刃式超微粒钨钢沉头铣刀

Welding edge type ultra-fine particle tungsten steel countersunk head milling cutter



规格型号 Type	尺寸 Size (mm)								订购编码 Order Number	单价 Price
	外径 D (H7)	刃长 H	沉头径 D ₁ (h7)	沉头长 L ₁	颈径 D ₂	工作长 L	齿数 T	莫式锥 MT		
SWC-21x15H-MT	21	15	15.9	15	18	110	4	3	366100	445
SWC-26x15H-MT	26	15	19.9	15	23	110	4	3	366102	535
SWC-31x15H-MT	31	15	24.9	15	27	110	4	3	366104	590
SWC-36x15H-MT	36	15	29.9	15	30	110	4	4	366106	805
SWC-41x15H-MT	41	15	34.9	15	36	110	6	4	366108	955
SWC-46x15H-MT	46	15	39.9	15	39	110	6	4	366110	1045
SWC-51x15H-MT	51	15	44.9	15	46	110	6	4	366112	1160
SWC-56x15H-MT	56	15	49.9	15	48	110	6	4	366114	1260
SWC-61x15H-MT	61	15	54.9	15	50	110	8	4	366116	1380
SWC-66x15H-MT	66	15	59.9	15	56	110	8	4	366118	1510

铣刀
锯片
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直径
铣刀

圆鼻
铣刀

球头
铣刀

粗皮
铣刀

锥度
铣刀

焊刃
铣刀

倒角
铣刀

T型
槽刀

燕尾
槽刀

锯片
三面
侧刀

钨钢
圆棒

SWB 焊刃式超微粒钨钢右斜插铣刀-扩孔修正刀

Welding Edge Type Ultra-Fine Particle Tungsten Steel Right Oblique Insertion Milling Cutter - Reaming Correction Cutting



规格型号 Type	尺寸 Size (mm)					订购编码 Order Number	单价 Price
	D(H7)	刃长 H	工作长 L	莫式锥柄 MT	齿数 T		
SWB-15.7x11HXMT	15.7	11	150	3#	2	366200	330
SWB-19.7x11HXMT	19.7	11	200	3#	2	366202	430
SWB-24.7x11HXMT	24.7	11	200	3#	4	366204	545
SWB-29.7x11HXMT	29.7	11	230	4#	4	366206	715

MZG Carbide Precision Grinding Round Rod



This product is divided into HRC50, HRC55, HRC65 cutting hardness materials, all materials after precision cylindrical grinding. It is suitable for the processing of most materials.

Diameter	Length	Order NO.	HRC50 TYPE	Price	Order NO.	HRC55 TYPE	Price	Order NO.	HRC65 TYPE	Price
Ø1	100	36380000	WGYBF500-1X100	25	36380100	WGYBF550-1X100	37.5	36380200	WGYBF650-1X100	80
Ø1.5	100	36380002	WGYBF500-1.5X100	25	36380102	WGYBF550-1.5X100	37.5	36380202	WGYBF650-1.5X100	80
Ø2	100	36380004	WGYBF500-2X100	25	36380104	WGYBF550-2X100	37.5	36380204	WGYBF650-2X100	80
Ø2	150	36380006	WGYBF500-2X150	75	36380106	WGYBF550-2X150	80	36380206	WGYBF650-2X150	120
Ø2.5	100	36380008	WGYBF500-2.5X100	35	36380108	WGYBF550-2.5X100	45	36380208	WGYBF650-2.5X100	125
Ø3	100	36380010	WGYBF500-3X100	35	36380110	WGYBF550-3X100	45	36380210	WGYBF650-3X100	125
Ø3	150	36380012	WGYBF500-3X150	55	36380112	WGYBF550-3X150	70	36380212	WGYBF650-3X150	
Ø3	200	36380014	WGYBF500-3X200	70	36380114	WGYBF550-3X200	90	36380214	WGYBF650-3X200	
Ø4	100	36380016	WGYBF500-4X100	55	36380116	WGYBF550-4X100	75	36380216	WGYBF650-4X100	225
Ø4	150	36380018	WGYBF500-4X150	90	36380118	WGYBF550-4X150	120	36380218	WGYBF650-4X150	
Ø4	200	36380020	WGYBF500-4X200	125	36380120	WGYBF550-4X200	150	36380220	WGYBF650-4X200	
Ø5	100	36380022	WGYBF500-5X100	80	36380122	WGYBF550-5X100	105	36380222	WGYBF650-5X100	
Ø5	150	36380024	WGYBF500-5X150	130	36380124	WGYBF550-5X150	160	36380224	WGYBF650-5X150	
Ø5	200	36380026	WGYBF500-5X200	190	36380126	WGYBF550-5X200	200	36380226	WGYBF650-5X200	
Ø6	100	36380028	WGYBF500-6X100	115	36380128	WGYBF550-6X100	160	36380228	WGYBF650-6X100	400
Ø6	150	36380030	WGYBF500-6X150	200	36380130	WGYBF550-6X150	240	36380230	WGYBF650-6X150	
Ø6	200	36380032	WGYBF500-6X200	275	36380132	WGYBF550-6X200	320	36380232	WGYBF650-6X200	
Ø7	100	36380034	WGYBF500-7X100	150	36380134	WGYBF550-7X100	200	36380234	WGYBF650-7X100	
Ø8	100	36380036	WGYBF500-8X100	200	36380136	WGYBF550-8X100	250	36380236	WGYBF650-8X100	550
Ø8	150	36380038	WGYBF500-8X150	340	36380138	WGYBF550-8X150	375	36380238	WGYBF650-8X150	
Ø8	200	36380040	WGYBF500-8X200	450	36380140	WGYBF550-8X200	500	36380240	WGYBF650-8X200	
Ø9	100	36380042	WGYBF500-9X100	250	36380142	WGYBF550-9X100	325	36380242	WGYBF650-9X100	
Ø10	100	36380044	WGYBF500-10X100	300	36380144	WGYBF550-10X100	390	36380244	WGYBF650-10X100	750
Ø10	150	36380046	WGYBF500-10X150	490	36380146	WGYBF550-10X150	585	36380246	WGYBF650-10X150	
Ø10	200	36380048	WGYBF500-10X200	690	36380148	WGYBF550-10X200	780	36380248	WGYBF650-10X200	
Ø11	100	36380050	WGYBF500-11X100	375	36380150	WGYBF550-11X100	475	36380250	WGYBF650-11X100	
Ø12	100	36380052	WGYBF500-12X100	430	36380152	WGYBF550-12X100	560	36380252	WGYBF650-12X100	1200
Ø12	150	36380054	WGYBF500-12X150	750	36380154	WGYBF550-12X150	850	36380254	WGYBF650-12X150	
Ø12	200	36380056	WGYBF500-12X200	990	36380156	WGYBF550-12X200	1120	36380256	WGYBF650-12X200	
Ø14	100	36380058	WGYBF500-14X100	600	36380158	WGYBF550-14X100		36380258	WGYBF650-14X100	
Ø16	100	36380060	WGYBF500-16X100	775	36380160	WGYBF550-16X100		36380260	WGYBF650-16X100	
Ø16	150	36380062	WGYBF500-16X150	1150	36380162	WGYBF550-16X150		36380262	WGYBF650-16X150	
Ø16	200	36380064	WGYBF500-16X200	1500	36380164	WGYBF550-16X200		36380264	WGYBF650-16X200	
Ø18	100	36380066	WGYBF500-18X100	1000	36380166	WGYBF550-18X100		36380266	WGYBF650-18X100	
Ø18	150	36380068	WGYBF500-18X150	1500	36380168	WGYBF550-18X150		36380268	WGYBF650-18X150	
Ø18	200	36380070	WGYBF500-18X200	2000	36380170	WGYBF550-18X200		36380270	WGYBF650-18X200	
Ø20	100	36380072	WGYBF500-20X100	1200	36380172	WGYBF550-20X100		36380272	WGYBF650-20X100	
Ø20	150	36380074	WGYBF500-20X150	1800	36380174	WGYBF550-20X150		36380274	WGYBF650-20X150	
Ø20	200	36380076	WGYBF500-20X200	2400	36380176	WGYBF550-20X200		36380276	WGYBF650-20X200	

铣刀
锯片
成型刀

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圆鼻
铣刀

球头
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粗皮
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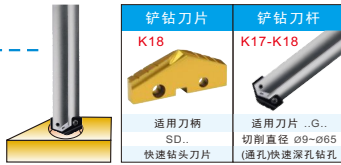
锯片
三面
刃侧
铣刀

钨钢
圆棒

皇冠钻头
Fast Drilling bit



高精度铲钻
High precision shovel drill



空心钻头
Hollow Drilling bit



高精度铲钻
High precision shovel drill

皇冠钻头
Fast Drilling bit

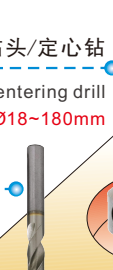
空心钻头
Hollow Drilling bit

快速钻头
Fast Drilling bit

VMD大钻头/定心钻
VMD large bit / centering drill

钻头
Drill Bit

Ø0.2-50mm



快速钻头
Fast Drilling bit

Ø10-65mm



高精度铲钻
High precision shovel drill

皇冠钻头
Fast Drilling bit



Ø8-26mm



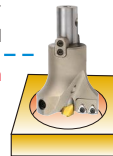
空心钻头
Hollow Drilling bit

Ø50-220mm



VMD大钻头/定心钻
VMD large bit / centering drill

Ø18-180mm



快速钻头
Fast Drilling bit

Ø10-65mm



SP自定心钻头	WC自定心钻头	VMD大钻头
K19 适用刀片 SP.. 切削直径 Ø18-Ø30 U钻(自定心)快速钻头	K19 适用刀片 WC.. 切削直径 Ø25-Ø40 U钻(自定心)快速钻头	K20 适用刀片 WC.. 切削直径 Ø45-Ø180 (自定心)大孔径钻头

WCMX	ZD..WC..	SPMG	ZD..SP..
K05 适用刀柄 ZD..WC.. U钻(通孔)快速钻头	K06 适用刀片 WC.. 切削直径 Ø14-Ø65 U钻(通孔)快速钻头	K07 适用刀柄 ZD..SP.. 快速钻头刀片	K08 适用刀片 SP.. 切削直径 Ø13-Ø60 U钻(平底孔)快速钻头

SOMT	ZD..SO..	XOMT	ZD..XO..
K09 适用刀柄 ZD..SO.. 快速钻头刀片	K10 适用刀片 SO.. 切削直径 Ø10-Ø50 U钻(平底孔)快速钻头	K11 适用刀柄 ZD..XO.. 快速钻头刀片	K12 适用刀片 XO.. 切削直径 Ø13-Ø60 U钻(平底孔)快速钻头

WDXT	WDX..	GP..	TAF..	880..
K13 适用刀柄 WDX.. 快速钻头刀片	K14 适用刀片 WD.. 切削直径 Ø13-Ø65 U钻(平底孔)快速钻头	K15 适用刀柄 TAF.. 快速钻头刀片	K16 适用刀片 GP.. 切削直径 Ø12-Ø56 U钻(平底孔)快速钻头	K15 适用刀柄 880.. 快速钻头刀片

油路刀柄配件
Oil way Tool Holder Accessories

剑齿钻刀杆	多功能钻杆	变径套	偏心套	倒角环	固定座	BT油路刀柄	莫氏油路刀柄
K26 剑齿钻刀杆 钻径 Ø12-Ø33.5 高效孔加工	K26 适用刀片 XC.. 切削直径 Ø8-Ø14 小孔钻头/车刀/镗刀		K30	K30	K30	K30	K30

钻头 Drill Bit Ø0.2-50mm	高速钢钻头	直柄加长钻头	锥形钻头	锥形加长钻头	2F铝用定心钻
	K57 高速钢钻头 直径 Ø0.2-Ø17.5 高精度孔加工	K58 高速钢加长钻头 长度 150-600mm 高精度孔加工	K59 高速钢钻头 直径 Ø7-Ø100 高精度孔加工	K60 高速钢钻头 长度 Ø250-Ø600 高精度孔加工	K61 50° 2F铝用定心钻 适用: 铝、铝合金、压铸铝 高精度孔加工

2F/3F倒角刀	中心钻	2F/3F铝用倒角刀	绞刀H7	2F铝用定心钻	高速钢钻头	高速钢钻头
K61 50° 2F/3F倒角刀 适用: 钢加工 高精度孔加工	K61 中心钻 直径 Ø0.4-Ø10 高精度孔加工	K62 55° 2F/3F铝用倒角刀 适用: 有色金属、钢 高精度孔加工	K62 铰钢机械绞刀H7 直径 2-20 高精度孔加工	K62 50° 2F铝用定心钻 刀径 Ø0.5-Ø16 高精度孔加工	K63 粉末高速钢钻头3D 适用: 刚、铝加工 高精度孔加工	K64 粉末高速钢钻头5D 适用: 刚、铝加工 高精度孔加工

高速钢直柄钻头	铰钢定柄钻头	铰钢定柄钻头	铰钢钻头
K65 高速钢直柄钻头 适用: 刚、铝加工 高精度孔加工	K67 HRC45° 铰钢定柄钻头 适用: 有色金属、钢 高精度孔加工	K68 HRC55° 铰钢定柄钻头 适用: 难加工材料 高精度孔加工	K69 铰钢钻头 (无涂层) 适用: 铝、刚铸铁 高精度孔加工

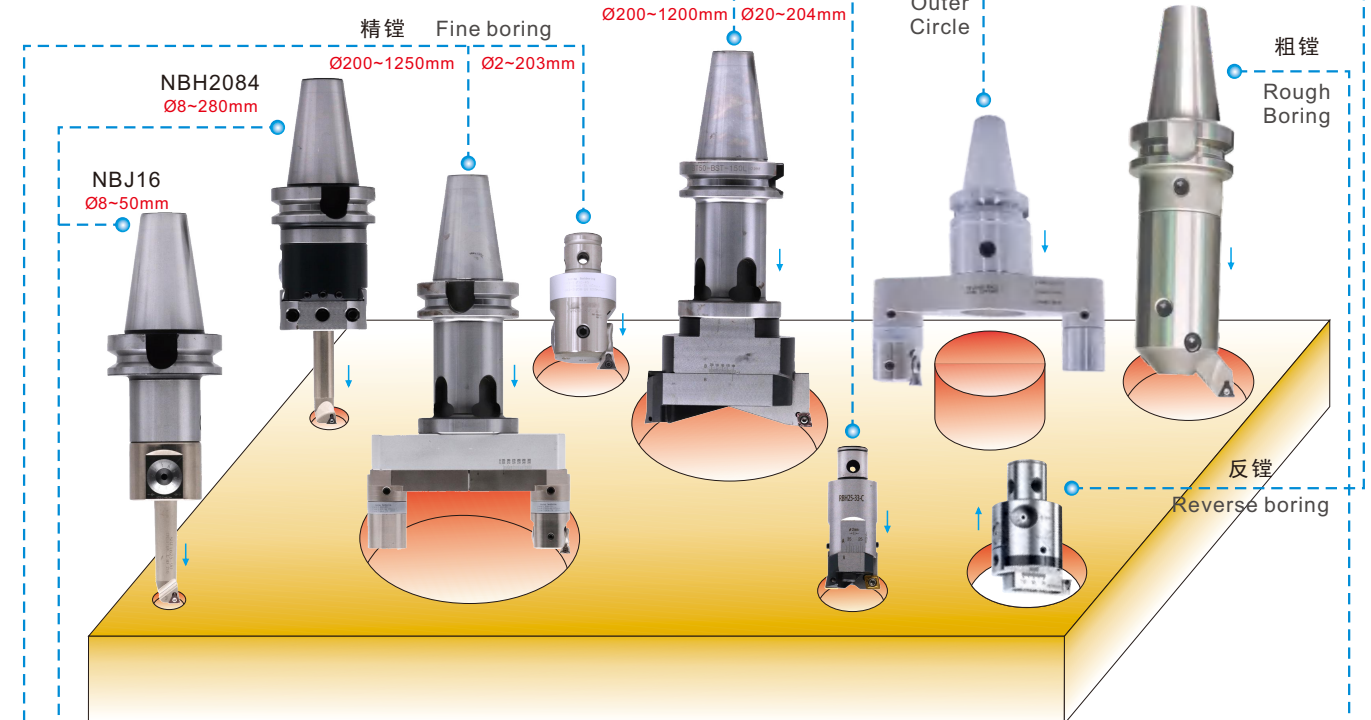
铰钢钻头	锥形焊刀铰刀	直柄焊刀铰刀
K69 铰钢钻头 (涂层) 适用: 铝、刚铸铁 高精度孔加工	K71 锥形焊刀铰刀 直径 Ø12-Ø60 高精度孔加工	K72 直柄焊刀铰刀 直径 Ø6-Ø20 高精度孔加工

粗镗 Rough boring

镗外圆 Boring Outer Circle

反镗 Reverse boring

 TWE 双刃粗镗 K50 刀柄接口 LBK 镗孔范围20~204mm 粗镗加工	 TWE 大粗镗 K50 刀柄接口 BST 镗孔范围200~810mm 粗镗加工	 RBH 双刃粗镗 K51 刀柄接口 LBK 镗孔范围19~204mm 粗镗加工	 RBH 大粗镗 K51 刀柄接口 BST 镗孔范围200~1200mm 粗镗加工	 TBL 粗镗刀杆 K56 固定式粗镗 镗孔范围8~50mm 粗镗孔加工	 TBC 粗镗刀盘 K56 固定式粗镗 镗孔范围45~130mm 粗镗孔加工	 CBH-M 镗外圆 K44 刀柄接口 LBK 精镗范围23~107mm 精镗孔微调0.01mm	 CBR 镗外圆 K44 刀柄接口 LBK 精镗范围5~52mm 精镗孔微调0.01mm	 HBOR 反镗头 K39 刀柄接口 CK 精镗范围29~160mm 精镗孔微调0.002mm
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粗镗 Rough boring
Ø200~1200mm | Ø20~204mm

精镗 Fine boring
Ø200~1250mm | Ø2~203mm

反镗 Reverse boring

粗镗 Rough Boring

反镗 Reverse boring

粗镗 Rough boring










 TBS..30° K54 刀片TC.. 刀杆角度 30° 镗孔范围20~190mm 粗镗加工	 TBS..45° K54 刀片TC.. 刀杆角度 45° 镗孔范围20~190mm 粗镗加工	 TBS..90° K54 刀片TC.. 刀杆角度 90° 镗孔范围20~190mm 粗镗加工	 CBS..30° K54 刀片CC.. 刀杆角度 30° 镗孔范围20~190mm 粗镗加工	 CBS..45° K54 刀片CC.. 刀杆角度 45° 镗孔范围20~190mm 粗镗加工	 CBS..90° K54 刀片CC.. 刀杆角度 90° 镗孔范围20~190mm 粗镗加工	
 BSA 粗镗 K52 刀柄接口 BT柄 镗孔范围20~190mm 粗镗加工	 BSA..LBK.. K52 刀柄接口 LBK 镗孔范围20~190mm 粗镗加工	 BSB 粗镗 K52 刀柄接口 BT柄 镗孔范围20~190mm 粗镗加工	 BSB..LBK.. K52 刀柄接口 LBK 镗孔范围20~190mm 粗镗加工	 SBS..30° K54 刀片TP.. 刀杆角度 30° 镗孔范围20~190mm 粗镗加工	 SBS..45° K54 刀片TP.. 刀杆角度 45° 镗孔范围20~190mm 粗镗加工	 SBS..90° K54 刀片TP.. 刀杆角度 90° 镗孔范围20~190mm 粗镗加工







精镗 Fine boring

 HBOR 精镗头 K45 刀柄接口 CK 精镗范围29~160mm 精镗孔微调0.002mm	 HBOR 精镗套装 K40-K41 刀柄接口 CK 精镗范围2~160mm 精镗孔微调0.002mm	 钨钢小镗刀 K40 适配刀柄 HBOR 精镗范围2~10mm 精镗孔微调0.002mm	 CBH 精镗头 K43 刀柄接口 LBK 精镗范围20~203mm 精镗孔微调0.01mm	 CBH 大精镗头 K43 刀柄接口 LBK 精镗范围200~1250mm 精镗孔微调0.01mm	 CBH 精镗头 K43 刀柄接口 直柄 精镗范围20~42mm 精镗孔微调0.01mm	 SCT 可调镗杆 K44 刀柄接口 直柄 镗孔范围10~50mm 半精镗加工
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小孔精镗及套装

Small hole fine boring and suit

 CBI 小径精镗 K45 刀柄接口 LBK 精镗范围3~50mm 精镗孔微调0.01mm	 CBI 小径精镗套装 K45 刀柄接口 LBK 精镗范围3~50mm 精镗孔微调0.01mm	 BE 小镗头 K46 刀柄接口 ST 精镗范围9~42mm 精镗孔微调0.01mm	 ST 钨钢抗震杆 K46 刀柄接口 直柄 精镗范围9~42mm 精镗孔微调0.01mm	 变径套 K46 刀柄接口 直柄 刀具直径转换 精镗范围2~10mm 精镗孔微调0.01mm	 钨钢小镗刀 K46 适配刀柄 CBI 精镗范围2~10mm 精镗孔微调0.01mm	 直接式插孔刀 K47 刀杆长度114*200mm 钢铁、铸铁加工 直接式镗孔刀	 NBH2084 套装 K48 套装 8支装 精镗范围8~50mm 精镗孔微调0.01mm	 NBH2084 套装 K49 套装 8支装 精镗范围8~280mm 精镗孔微调0.01mm
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 BST 刀柄 K36 适配镗头 直径200mm以上镗刀 镗刀刀柄	 NBH2084 刀柄 K36 适配镗头 NBH2084 镗刀刀柄	 BT-LBK 刀柄 K37 适配镗头 直径200mm以下镗刀 镗刀刀柄	 SK-LBK 刀柄 K37 适配镗头 直径200mm以下镗刀 镗刀刀柄	 HSK-LBK 刀柄 K37 适配镗头 直径200mm以下镗刀 镗刀刀柄	 直柄 LBK 刀柄 K38 适配镗头 直径200mm以下镗刀 镗刀刀柄	 NT-LBK 刀柄 K38 适配镗头 直径200mm以下镗刀 镗刀刀柄	 MT-LBK 刀柄 K38 适配镗头 直径200mm以下镗刀 镗刀刀柄	 LBK 等径延长杆 K38 适配镗头 直径200mm以下镗刀 镗刀刀柄	 LBK 异径延长杆 K38 适配镗头 直径200mm以下镗刀 镗刀刀柄	 LBK 倒角刀 K55 倒角角度 45° 倒角范围5~160mm 倒角加工	 镗孔刀夹 K55 镗刀配件 各种规格 镗孔加工
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快速
钻孔

镗孔
加工
系统

钻头

铰刀

快速
钻头

铲钻

定心
钻头

VMD
大钻头

钻尖

空心
钻头

油路
配件

LBK
BST
镗孔
刀柄

HBOR
CBI
CBH
精镗
系统

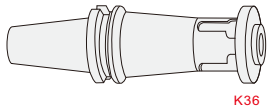
NBJ
NBH
镗孔
套装

TWE
RBH
粗镗
系统

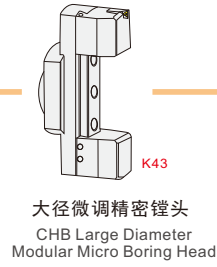
钻头

铰刀

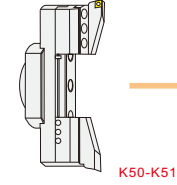
BST系列 BST BORING SYSTEM



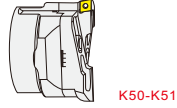
BST镗头刀柄
BST Boring Heads Bar



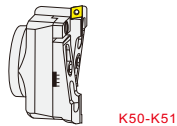
大径微调精密镗头
CHB Large Diameter Modular Micro Boring Head



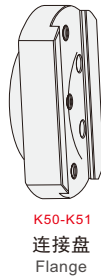
大径双刃粗镗刀
RBH Large Diameter Modular Rough Boring



分体式粗镗孔刀头 (RBH 120)
RBH Modular Roughing Boring Head



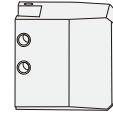
分体式粗镗孔刀头 (RBH 160)
RBH Modular Roughing Boring Head



K50-K51
连接盘
Flange



K50-K51
横向滑板
Extension Slide



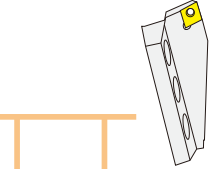
平衡滑块
Balance Weight



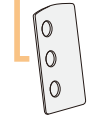
微调滑块
Finish Head



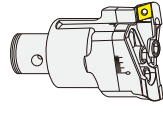
K50-K51
滑块
Clamp Base



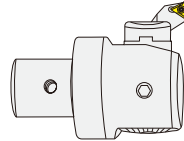
K50-K51
刀片座及刀片
Insert Setting And Applicable Insert



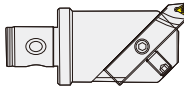
K50-K51
刀片座垫片
Height Setting Shim



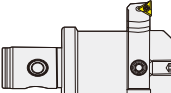
分体式粗镗孔刀头
TWE/RBH Modular Roughing Boring Head



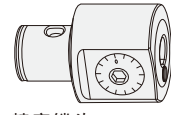
微调精密镗头
EWN/CBH Micro Boring Head



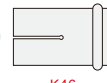
分体式45°粗镗头
Split type 45 degree coarse boring head



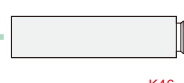
分体式90°粗镗头
Split type 90 degree coarse boring head



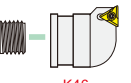
精密镗头
NBJ-16 Small Diameter Micro Boring Head



钨钢刀杆专用套筒
NBJ Collet For Super Head Solid Carbide Boring Bar



抗震钨钢刀杆
ST Anti-shank Solid Carbide Boring Bar

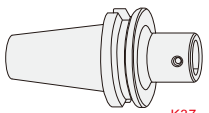


BE镗头
BE Boring Head

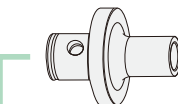


精密刀杆
NBJ-16 Micro Boring Bar

LBK系列 LBK BORING SYSTEM



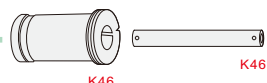
LBK镗头刀柄
Boring Head Bar



异径转换接柄(大接小)
LBK Reducing Change Adapter



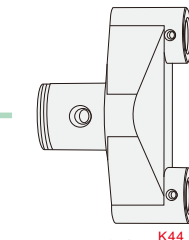
等径延长接柄
LBK Equal Diameter Extension Adapter



超硬整体碳化钨钢镗刀杆
Super Hard Solid Tungsten Carbide Boring Bar



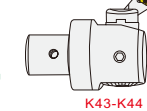
C32直柄镗刀杆
C32 Straight Shank Boring Bar



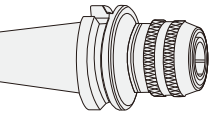
CBH-M反镗头
CBH-M Counter Boring Head



平衡块
Balance Block



微调精密镗头
CBH Micro Boring Head



高精度刀柄
High Precision Toolholder

快速
钻孔

镗孔
加工系统

钻头

铰刀

快速
钻头

铲钻

定心
钻头

VMD
大钻头

钻尖

空心
钻头

油路
配件

LBK
BST
镗孔
刀柄

HBOR
CBI
CBH
精镗
系统

NBJ
NBH
镗孔
套装

TWE
RBH
粗镗
系统

钻头

铰刀



快速
钻孔

镗孔
加工
系统

钻头

铰刀

快速
钻头

铲钻

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大钻头

钻尖

空心
钻头

油路
配件

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镗孔
刀柄

HBOR
CBI
CBH
精系
系统

NBJ
NBH
镗孔
套装

TWE
RBH
粗系
系统

钻头

铰刀

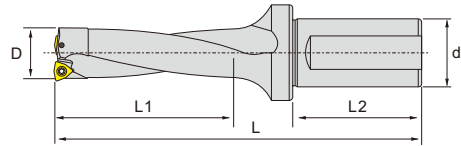
WC 快速钻头

WC Type Fast Drilling Bit

WCMX

通孔加工
有孔
钻孔加工

切削参数 (Cutting Parameters): K33



用途 Application	产品图片 Product Image	几何尺寸 Dimensioning	规格型号 Specification	尺寸 Dimension (mm)					配套刀柄 Matching Toolholder	PCD CBN-S ZK01 ZK05 ZP150 ZP152 ZP153 ZP163																		
				r _c	A	B	T	L																				
钻孔刀片 Drilling inserts			WCMX 030208-ZK	0.8	5.56	3.8	2.38	2.8	刀柄: (Toolholder) K05-K06 K19-K20	<table border="1"> <tr><td>•</td><td>•</td><td>•</td></tr> <tr><td>•</td><td>•</td><td>•</td></tr> <tr><td>•</td><td>•</td><td>•</td></tr> <tr><td>•</td><td>•</td><td>•</td></tr> <tr><td>•</td><td>•</td><td>•</td></tr> <tr><td>•</td><td>•</td><td>•</td></tr> </table>	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
			•	•	•																							
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			•	•	•																							
			•	•	•																							
			•	•	•																							
•	•	•																										
040208-ZK	0.8	6.35	4.3	2.38	3.1																							
050308-ZK	0.8	7.94	5.4	3.18	3.2																							
06T308-ZK	0.8	9.525	6.5	3.97	3.7																							
080412-ZK	1.2	12.7	8.7	4.76	4.3																							
WCMX 030208	0.8	5.56	3.8	2.38	2.8																							
040208	0.8	6.35	4.3	2.38	3.1																							
050308	0.8	7.94	5.4	3.18	3.2																							
06T308	0.8	9.525	6.5	3.97	3.7																							
080412	1.2	12.7	8.7	4.76	4.3																							

4倍快速钻头-WC刀片 L1=4xD Fast Drill - WC Type

5倍快速钻头-WC刀片 L1=5xD Fast Drill - WC Type

编码 Order	型号 Model	L1	L2	L	D	d	适用刀片 Applicable Inserts	螺丝 Screw	扳手 Wrench	Price
503500	ZD04-14.0-XP25-WC03-02	61	56	134	14	25	WCMX030208	M2.5x6.5	T8	825
503502	ZD04-14.5-XP25-WC03-02	63	56	136	14.5					825
503504	ZD04-15.0-XP25-WC03-02	65	56	138	15					825
503506	ZD04-15.5-XP25-WC03-02	67	56	140	15.5					825
503508	ZD04-16.0-XP25-WC03-02	69	56	142	16					825
503510	ZD04-16.5-XP25-WC03-02	71	56	144	16.5					825
503512	ZD04-17.0-XP25-WC03-02	73	56	146	17					825
503514	ZD04-17.5-XP25-WC03-02	75	56	148	17.5					825
503516	ZD04-18.0-XP25-WC03-02	77	56	150	18					825
503518	ZD04-18.5-XP25-WC03-02	79	56	152	18.5					825
503520	ZD04-19.0-XP25-WC03-02	81	56	154	19					825
503522	ZD04-19.5-XP25-WC03-02	83	56	156	19.5					825
503524	ZD04-20.0-XP25-WC03-02	85	56	158	20					825
503526	ZD04-20.5-XP25-WC03-02	87	56	160	20.5					1025
503528	ZD04-21.0-XP25-WC03-02	89	56	162	21					1025
503530	ZD04-21.5-XP25-WC04-02	91	56	165	21.5					1025
503532	ZD04-22.0-XP25-WC04-02	93	56	167	22					1025
503534	ZD04-22.5-XP25-WC04-02	95	56	169	22.5					1025
503536	ZD04-23.0-XP25-WC04-02	97	56	171	23	1025				
503538	ZD04-23.5-XP25-WC04-02	99	56	173	23.5	1025				
503540	ZD04-24.0-XP25-WC04-02	101	56	175	24	1025				
503542	ZD04-24.5-XP25-WC04-02	103	56	177	24.5	1025				
503544	ZD04-25.0-XP32-WC04-02	105	60	181	25	1025				
503546	ZD04-25.5-XP32-WC03-02	107	60	183	25.5	1150				
503548	ZD04-26.0-XP32-WC03-02	109	60	185	26	1150				
503550	ZD04-26.5-XP32-WC03-02	111	60	187	26.5	1150				
503552	ZD04-27.0-XP32-WC03-02	113	60	189	27	1150				
503554	ZD04-27.5-XP32-WC03-02	115	60	191	27.5	1150				
503556	ZD04-28.0-XP32-WC03-02	117	60	193	28	1150				
503558	ZD04-28.5-XP32-WC03-02	119	60	195	28.5	1150				
503560	ZD04-29.0-XP32-WC03-02	121	60	197	29	1150				
503562	ZD04-29.5-XP32-WC03-02	123	60	199	29.5	1150				
503564	ZD04-30.0-XP32-WC03-02	125	60	201	30	1150				
503566	ZD04-30.5-XP32-WC03-02	127	60	203	30.5	1325				
503568	ZD04-31.0-XP32-WC03-02	129	60	205	31	1325				
503570	ZD04-31.5-XP32-WC03-02	131	60	207	31.5	1325				
503572	ZD04-32.0-XP32-WC03-02	133	60	209	32	1325				
503574	ZD04-32.5-XP32-WC06-02	135	60	211	32.5	1325				
503576	ZD04-33.0-XP32-WC06-02	137	60	213	33	1325				
503578	ZD04-33.5-XP32-WC06-02	139	60	215	33.5	1325				
503580	ZD04-34.0-XP32-WC06-02	141	60	217	34	1325				
503582	ZD04-34.5-XP32-WC06-02	143	60	219	34.5	1325				
503584	ZD04-35.0-XP32-WC06-02	145	60	221	35	1325				
503586	ZD04-35.5-XP32-WC06-02	147	60	223	35.5	1475				
503588	ZD04-36.0-XP32-WC06-02	149	60	225	36	1475				
503590	ZD04-36.5-XP32-WC06-02	151	60	227	36.5	1475				
503592	ZD04-37.0-XP32-WC06-02	153	60	229	37	1475				
503594	ZD04-37.5-XP32-WC06-02	155	60	231	37.5	1475				
503596	ZD04-38.0-XP32-WC06-02	157	60	233	38	1475				
503598	ZD04-38.5-XP32-WC06-02	159	60	235	38.5	1475				
503600	ZD04-39.0-XP32-WC06-02	161	60	237	39	1475				
503602	ZD04-39.5-XP32-WC06-02	163	60	239	39.5	1475				
503604	ZD04-40.0-XP32-WC06-02	165	60	241	40	1475				
503606	ZD04-40.5-XP32-WC06-02	167	60	243	40.5	1700				
503608	ZD04-41.0-XP32-WC06-02	169	60	245	41	1700				
503610	ZD04-41.5-XP32-WC06-02	171	60	247	41.5	1700				
503612	ZD04-42.0-XP40-WC08-02	173	65	249	42	1700				
503614	ZD04-42.5-XP40-WC08-02	175	65	251	42.5	1700				
503616	ZD04-43.0-XP40-WC08-02	177	65	253	43	1700				
503618	ZD04-43.5-XP40-WC08-02	179	65	255	43.5	1700				
503620	ZD04-44.0-XP40-WC08-02	181	65	257	44	1700				
503622	ZD04-44.5-XP40-WC08-02	183	65	259	44.5	1700				
503624	ZD04-45.0-XP40-WC08-02	185	65	261	45	1700				
503626	ZD04-45.5-XP40-WC08-02	187	65	263	45.5	1700				
503628	ZD04-46.0-XP40-WC08-02	189	65	265	46	1700				
503630	ZD04-46.5-XP40-WC08-02	191	65	267	46.5	1700				
503632	ZD04-47.0-XP40-WC08-02	193	65	269	47	1700				
503634	ZD04-47.5-XP40-WC08-02	195	65	271	47.5	1700				
503636	ZD04-48.0-XP40-WC08-02	197	65	273	48	1700				
503638	ZD04-48.5-XP40-WC08-02	199	65	275	48.5	1700				
503640	ZD04-49.0-XP40-WC08-02	201	65	277	49	1700				
503642	ZD04-49.5-XP40-WC08-02	203	65	279	49.5	1700				
503644	ZD04-50.0-XP40-WC08-02	205	65	281	50	1700				
503646	ZD04-50.5-XP40-WC08-02	207	65	283	50.5	1700				
503648	ZD04-51.0-XP40-WC08-02	209	65	285	51	1700				
503650	ZD04-51.5-XP40-WC08-02	211	65	287	51.5	1700				
503652	ZD04-52.0-XP40-WC08-02	213	65	289	52	1700				
503654	ZD04-52.5-XP40-WC08-02	215	65	291	52.5	1700				
503656	ZD04-53.0-XP40-WC08-02	217	65	293	53	1700				
503658	ZD04-53.5-XP40-WC08-02	219	65	295	53.5	1700				
503660	ZD04-54.0-XP40-WC08-02	221	65	297	54	1700				
503662	ZD04-54.5-XP40-WC08-02	223	65	299	54.5	1700				
503664	ZD04-55.0-XP40-WC08-02	225	65	301	55	1700				
503666	ZD04-55.5-XP40-WC08-02	227	65	303	55.5	1700				
503668	ZD04-56.0-XP40-WC08-02	229	65	305	56	1700				
503670	ZD04-56.5-XP40-WC08-02	231	65	307	56.5	1700				
503672	ZD04-57.0-XP40-WC08-02	233	65	309	57	1700				
503674	ZD04-57.5-XP40-WC08-02	235	65	311	57.5	1700				
503676	ZD04-58.0-XP40-WC08-02	237	65	313	58	1700				
503678	ZD04-58.5-XP40-WC08-02	239	65	315	58.5	1700				
503680	ZD04-59.0-XP40-WC08-02	241	65	317	59	1700				
503682	ZD04-59.5-XP40-WC08-02	243	65	319	59.5	1700				
503684	ZD04-60.0-XP40-WC08-02	245	65	321	60	1700				
503686	ZD04-60.5-XP40-WC08-02	247	65	323	60.5	1700				
503688	ZD04-61.0-XP40-WC08-02	249	65	325	61	1700				
503690	ZD04-61.5-XP40-WC08-02	251	65	327	61.5	1700				
503692	ZD04-62.0-XP40-WC08-02	253	65	329	62	1700				
503694	ZD04-62.5-XP40-WC08-02	255	65	331	62.5	1700				
503696	ZD04-63.0-XP40-WC08-02	257	65	333	63	1700				
503698	ZD04-63.5-XP40-WC08-02	259	65	335	63.5	1700				
503700	ZD04-64.0-XP40-WC08-02	261	65	337	64	1700				
503702	ZD04-64.5-XP40-WC08-02	263	65	339	64.5	1700				
503704	ZD04-65.0-XP40-WC08-02	265	65	341	65	1700				

编码 Order	型号 Model	L1	L2	L	D	d	适用刀片 Applicable Inserts	螺丝 Screw	扳手 Wrench	Price
503700	ZD05-14.0-XP25-WC03-02	75	56	148	14	25	WCMX030208	M2.5x6.5	T8	950
503702	ZD05-14.5-XP25-WC03-02	77.5	56	150	14.5					950
503704	ZD05-15.0-XP25-WC03-02	80	56	152	15					950
503706	ZD05-15.5-XP25-WC03-02	82.5	56	154	15.5					950
503708	ZD05-16.0-XP25-WC03-02	85	56	156	16					950
503710	ZD05-16.5-XP25-WC03-02	87.5	56	158	16.5					950
503712	ZD05-17.0-XP25-WC03-02	90	56	160	17					950
503714	ZD05-17.5-XP25-WC03-02	92.5	56	162	17.5					950
503716	ZD05-18.0-XP25-WC03-02	95	56	164	18					950
503718	ZD05-18.5-XP25-WC03-02	97.5	56	166	18.5					950
503720	ZD05-19.0-XP25-WC03-02	100	56	168	19					950
503722	ZD05-19.5-XP25-WC03-02	102.5	56	170	19.5					950
503724	ZD05-20.0-XP25-WC03-02	105	56	172	20					950
503726	ZD05-20.5-XP25-WC03-02	107.5	56	174	20.5					1150
503728	ZD05-21.0-XP25-WC04-02	110	56	176	21					1150
503730	ZD05-21.5-XP25-WC04-02	112.5	56	178	21.5					1150
503732	ZD05-22.0-XP25-WC04-02	115	56	180	22					1150
503734	ZD05-22.5-XP25-WC04-02	117.5	56	182	22.5					1150
503736	ZD05-23.0-XP25-WC04-02	120	56	184	23	1150				
503738	ZD05-23.5-XP25-WC04-02	122.5	56	186	23.5	1150				
503740	ZD05-24.0-XP25-WC04-02	125	56	188	24	1150				
503742	ZD05-24.5-XP25-WC04-02	127.5	56	190	24.5	1150				
503744	ZD05-25.0-XP32-WC05-02	130	60	192	25	1150				
503746	ZD05-25.5-XP32-WC05-02	132.5	60	194	25.5	1150				
503748	ZD05-26.0-XP32-WC05-02	135	60	196	26	1150				
503750	ZD05-26.5-XP32-WC05-02	137.5	60	198	26.5	1150				
503752	ZD05-27.0-XP32-WC05-02	140	60	200	27	1150				
503										

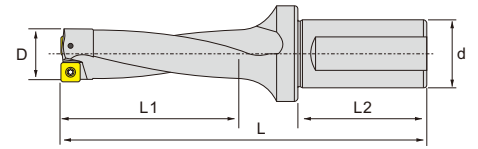
SP 快速钻头

SP Type Fast Drilling Bit

SPMG

平底盲孔
有孔
钻孔加工

切削参数 (Cutting Parameters): K33



切削形态: Cutting Environment
● 稳定切削 Stable Cutting ● 一般切削 General Cutting ✖ 不稳定切削 Unstable Cutting

用途 Application	产品图片 Product Image	几何尺寸 Dimensioning	规格型号 Specification	尺寸 Dimension (mm)					配套刀柄 Matching Toolholder	PCBN K S H	CBN K S H	ZrN K S H	TiAlN K S H	TiN K S H	AlN K S H	CrN K S H
				r _c	A	B	T	L								
钻孔刀片 Drilling Inserts			SPMG 050204-PM	0.4	5.0	5.0	2.38	2.2	刀柄: (Toolholder) K07-K08	●	●	●	●	●	●	●
			060204-PM	0.4	6.0	6.0	2.38	2.6								
			07T308-PM	0.8	7.94	7.94	3.97	2.8								
			090408-PM	0.8	9.8	9.8	4.30	4.2								
			110408-PM	0.8	11.5	11.5	4.8	4.4								
			140512-PM	1.2	14.3	14.3	5.0	5.75								

4倍快速钻头-SP刀片 L1=4xD Fast Drill - SP Type

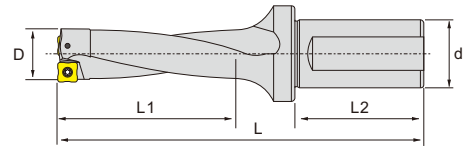
5倍快速钻头-SP刀片 L1=5xD Fast Drill - SP Type

编码 Order	型号 Model	L1	L2	L	D	d	适用刀片 Applicable Inserts	螺丝 Screw	扳手 Wrench	Price
504400	ZD04-13.0-XP25-SP05-02	57	56	130	13	25	SPMG060204	M2x5	T6	825
504402	ZD04-13.5-XP25-SP05-02	59	56	132	13.5					825
504404	ZD04-14.0-XP25-SP05-02	61	56	134	14					825
504406	ZD04-14.5-XP25-SP05-02	63	56	136	14.5					825
504408	ZD04-15.0-XP25-SP05-02	65	56	138	15					825
504410	ZD04-15.5-XP25-SP06-02	67	56	140	15.5					825
504412	ZD04-16.0-XP25-SP06-02	69	56	142	16					825
504414	ZD04-16.5-XP25-SP06-02	71	56	144	16.5					825
504416	ZD04-17.0-XP25-SP06-02	73	56	146	17					825
504418	ZD04-17.5-XP25-SP06-02	75	56	148	17.5					825
504420	ZD04-18.0-XP25-SP06-02	77	56	150	18					825
504422	ZD04-18.5-XP25-SP06-02	79	56	152	18.5					825
504424	ZD04-19.0-XP25-SP06-02	81	56	154	19	825				
504426	ZD04-19.5-XP25-SP06-02	83	56	156	19.5	825				
504428	ZD04-20.0-XP25-SP06-02	85	56	158	20	825				
504430	ZD04-20.5-XP25-SP06-02	87	56	161	20.5	1025				
504432	ZD04-21.0-XP25-SP06-02	89	56	163	21	1025				
504434	ZD04-21.5-XP25-SP06-02	91	56	165	21.5	1025				
504436	ZD04-22.0-XP25-SP07-02	93	56	167	22	1025				
504438	ZD04-22.5-XP25-SP07-02	95	56	169	22.5	1025				
504440	ZD04-23.0-XP25-SP07-02	97	56	171	23	1025				
504442	ZD04-23.5-XP25-SP07-02	99	56	173	23.5	1025				
504444	ZD04-24.0-XP25-SP07-02	101	56	175	24	1025				
504446	ZD04-24.5-XP25-SP07-02	103	56	177	24.5	1025				
504448	ZD04-25.0-XP25-SP07-02	105	60	191	25	1025				
504450	ZD04-25.5-XP32-SP07-02	107	60	193	25.5	1150				
504452	ZD04-26.0-XP32-SP07-02	109	60	195	26	1150				
504454	ZD04-26.5-XP32-SP07-02	111	60	197	26.5	1150				
504456	ZD04-27.0-XP32-SP07-02	113	60	199	27	1150				
504458	ZD04-27.5-XP32-SP07-02	115	60	201	27.5	1150				
504460	ZD04-28.0-XP32-SP09-02	117	60	203	28	1150				
504462	ZD04-28.5-XP32-SP09-02	119	60	205	28.5	1150				
504464	ZD04-29.0-XP32-SP09-02	121	60	207	29	1150				
504466	ZD04-29.5-XP32-SP09-02	123	60	209	29.5	1150				
504468	ZD04-30.0-XP32-SP09-02	125	60	211	30	1150				
504470	ZD04-30.5-XP32-SP09-02	127	60	213	30.5	1325				
504472	ZD04-31.0-XP32-SP09-02	129	60	215	31	1325				
504474	ZD04-31.5-XP32-SP09-02	131	60	217	31.5	1325				
504476	ZD04-32.0-XP32-SP09-02	133	60	219	32	1325				
504478	ZD04-32.5-XP32-SP09-02	135	60	221	32.5	1325				
504480	ZD04-33.0-XP32-SP09-02	137	60	223	33	1325				
504482	ZD04-33.5-XP32-SP09-02	139	60	225	33.5	1325				
504484	ZD04-34.0-XP32-SP11-02	141	60	227	34	1325				
504486	ZD04-34.5-XP32-SP11-02	143	60	229	34.5	1325				
504488	ZD04-35.0-XP32-SP11-02	145	60	231	35	1325				
504490	ZD04-35.5-XP32-SP11-02	147	60	233	35.5	1475				
504492	ZD04-36.0-XP32-SP11-02	149	60	235	36	1475				
504494	ZD04-36.5-XP32-SP11-02	151	60	237	36.5	1475				
504496	ZD04-37.0-XP32-SP11-02	153	60	239	37	1475				
504498	ZD04-37.5-XP32-SP11-02	155	60	241	37.5	1475				
504500	ZD04-38.0-XP32-SP11-02	157	60	243	38	1475				
504502	ZD04-38.5-XP32-SP11-02	159	60	245	38.5	1475				
504504	ZD04-39.0-XP32-SP11-02	161	60	247	39	1475				
504506	ZD04-39.5-XP32-SP11-02	163	60	249	39.5	1475				
504508	ZD04-40.0-XP32-SP11-02	165	60	251	40	1700				
504510	ZD04-41.0-XP32-SP14-02	169	60	255	41	1700				
504512	ZD04-42.0-XP32-SP14-02	173	60	259	42	1700				
504514	ZD04-43.0-XP40-SP14-02	177	65	272	43	1700				
504516	ZD04-44.0-XP40-SP14-02	181	65	276	44	1700				
504518	ZD04-45.0-XP40-SP14-02	185	65	280	45	1700				
504520	ZD04-46.0-XP40-SP14-02	189	65	284	46	1900				
504522	ZD04-47.0-XP40-SP14-02	193	65	288	47	1900				
504524	ZD04-48.0-XP40-SP07-04	197	65	292	48	1900				
504526	ZD04-49.0-XP40-SP07-04	201	65	296	49	1900				
504528	ZD04-50.0-XP40-SP07-04	205	65	300	50	1900				
504530	ZD04-51.0-XP40-SP07-04	209	65	304	51	2150				
504532	ZD04-52.0-XP40-SP09-04	213	65	308	52	2150				
504534	ZD04-53.0-XP40-SP09-04	217	65	312	53	2150				
504536	ZD04-54.0-XP40-SP09-04	221	65	316	54	2150				
504538	ZD04-55.0-XP40-SP09-04	225	65	320	55	2150				
504540	ZD04-56.0-XP40-SP09-04	229	65	324	56	2375				
504542	ZD04-57.0-XP40-SP09-04	233	65	328	57	2375				
504544	ZD04-58.0-XP40-SP09-04	237	65	332	58	2375				
504546	ZD04-59.0-XP40-SP09-04	241	65	336	59	2375				
504548	ZD04-60.0-XP40-SP09-04	245	65	340	60	2375				

编码 Order	型号 Model	L1	L2	L	D	d	适用刀片 Applicable Inserts	螺丝 Screw	扳手 Wrench	Price
504600	ZD05-13.0-XP25-SP05-02	70	56	143	13	25	SPMG050204	M2x5	T6	950
504602	ZD05-13.5-XP25-SP05-02	72.5	56	145	13.5					950
504604	ZD05-14.0-XP25-SP05-02	75	56	148	14					950
504606	ZD05-14.5-XP25-SP05-02	77.5	56	150	14.5					950
504608	ZD05-15.0-XP25-SP05-02	80	56	153	15					950
504610	ZD05-15.5-XP25-SP06-02	82.5	56	155	15.5					950
504612	ZD05-16.0-XP25-SP06-02	85	56	158	16					950
504614	ZD05-16.5-XP25-SP06-02	87.5	56	160	16.5					950
504616	ZD05-17.0-XP25-SP06-02	90	56	163	17					950
504618	ZD05-17.5-XP25-SP06-02	92.5	56	165	17.5					950
504620	ZD05-18.0-XP25-SP06-02	95	56	168	18					950
504622	ZD05-18.5-XP25-SP06-02	97.5	56	170	18.5					950
504624	ZD05-19.0-XP25-SP06-02	100	56	173	19	950				
504626	ZD05-19.5-XP25-SP06-02	102.5	56	174	19.5	950				
504628	ZD05-20.0-XP25-SP06-02	105	56	179	20	950				
504630	ZD05-20.5-XP25-SP06-02	107.5	56	181	20.5	1150				
504632	ZD05-21.0-XP25-SP06-02	110	56	184	21	1150				
504634	ZD05-21.5-XP25-SP06-02	112.5	56	186	21.5	1150				
504636	ZD05-22.0-XP25-SP07-02	115	56	189	22	1150				
504638	ZD05-22.5-XP25-SP07-02	117.5	56	193	22.5	1150				
504640	ZD05-23.0-XP25-SP07-02	120	56	194	23	1150				
504642	ZD05-23.5-XP25-SP07-02	122.5	56	196	23.5	1150				
504644	ZD05-24.0-XP25-SP07-02	125	56	199	24	1150				
504646	ZD05-24.5-XP25-SP07-02	127.5	56	201	24.5	1150				
504648	ZD05-25.0-XP32-SP07-02	130	60	216	25	1150				
504650	ZD05-25.5-XP32-SP07-02	132.5	60	218	25.5	1300				
504652	ZD05-26.0-XP32-SP07-02	135	60	221	26	1300				
504654	ZD05-26.5-XP32-SP07-02	137.5	60	223	26.5	1300				
504656	ZD05-27.0-XP32-SP07-02	140	60	226	27	1300				
504658	ZD05-27.5-XP32-SP07-02	142.5	60	228	27.5	1300				
504660	ZD05-28.0-XP32-SP09-02	145	60	231	28	1300				
504662	ZD05-28.5-XP32-SP09-02	147.5	60	233	28.5	1300				
504664	ZD05-29.0-XP32-SP09-02	150	60	236	29	1300				
504666	ZD05-29.5-XP32-SP09-02	152.5	60	238	29.5	1300				
504668	ZD05-30.0-XP32-SP09-02	155	60	241	30	1300				
504670	ZD05-30.5-XP32-SP09-02	157.5	60	243	30.5	1300				
504672	ZD05-31.0-XP32-SP09-02	160	60	246	31	1450				
504674	ZD05-31.5-XP32-SP09-02	162.5	60	248	31.5	1450				
504676	ZD05-32.0-XP32-SP09-02	165	60	251	32	1450				
504678	ZD05-32.5-XP32-SP09-02	167.5	60	253	32.5	1450				
504680	ZD05-33.0-XP32-SP09-02	170	60	256	33	1450				
504682	ZD05-33.5-XP32-SP09-02	172.5	60	258	33.5	1450				
504684	ZD05-34.0-XP32-SP11-02	175	60	261	34	1450				
504686	ZD05-34.5-XP32-SP11-02	177.5	60	263	34.5	1450				
504688	ZD05-35.0-XP32-SP11-02	180	60	266	35	1450				
504690	ZD05-35.5-XP32-SP11-02	182.5	60	268	35.5	1450				
504692	ZD05-36.0-XP32-SP11-02	185	60	271	36	1600				
504694	ZD05-36.5-XP32-SP11-02	187.5	60	273	36.5	1600				
504696	ZD05-37.0-XP32-SP11-02	190	60	276	37	1600				
504698	ZD05-37.5-XP32-SP11-02	192.5	60	278	37.5	1600				
504700	ZD05-38.0-XP32-SP11-02	195	60	281	38	1600				
504702	ZD05-38.5-XP32-SP11-02	197.5	60	283	38.5	1600				
504704	ZD05-39.0-XP32-SP11-02	200	60	284	39	1600				
504706	ZD05-39.5-XP32-SP11-02	202.5	60	288	39.5	1600				
504708	ZD05-40.0-XP32-SP11-02	205	60	291	40	1600				
504710	ZD05-41.0-XP32-SP14-02	210	60	296	41	1900				
504712	ZD05-42.0-XP32-SP14-02	215	60	301	42	1900				
504714	ZD05-43.0-XP40-SP14-02	220	65							

SOMT

低阻力
有孔
钻孔加工



切削形态: ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ✖ 不稳定切削 Unstable Cutting

P	钢	Steel	应用 <td rowspan="2">产品图片</td> <td rowspan="2">几何尺寸</td> <td rowspan="2">规格型号</td> <td colspan="5">尺寸 Dimension (mm)</td> <td rowspan="2">配套刀柄</td> <td rowspan="2">切削环境</td>	产品图片	几何尺寸	规格型号	尺寸 Dimension (mm)					配套刀柄	切削环境				
	M	不锈钢					Stainless Steel	r℄	A	B	T			L	PCD	CBN K	CBN S
K	铸铁	Iron	用途	Product Image	Dimensioning	Specification	尺寸 Dimension (mm)					Matching Toolholder	切削环境				
N	铝/铜/镁/锌/塑料/木材	Aluminum/Copper/Magnesium/Zinc/Plastic/Wood					r℄	A	B	T	L			PCD	CBN K	CBN S	ZN60
S	硬质合金/粉末冶金	Carbide/Powder Metallurgy	应用	Product Image	Dimensioning	Specification	r℄	A	B	T	L	Matching Toolholder	切削环境				
H	钛/高温合金/碳纤维	Titanium/Superalloy/Carbon Fiber	用途	Product Image	Dimensioning	Specification	r℄	A	B	T	L	Matching Toolholder	切削环境				

快速
钻孔

钻孔
加工
系统

钻头

铰刀

快速
钻头

铲钻

定心
钻头

VMD
大钻头

钻尖

空心
钻头

油路
配件

LBK
BST
镗刀柄

HBOR
CBI
CBH
精系统

NBJ
NBH
镗孔
套装

TWE
RBH
粗系统

钻头

铰刀

SO型舍弃式快速钻头 SO Type Fast Drilling Bit

切削参数 (Cutting Parameters): K33

2倍快速钻头-SO刀片 L1=2xD Fast Drill - SO Type

3倍快速钻头-SO刀片 L1=3xD Fast Drill - SO Type

编码 Order	型号 Model	L1	L2	L	D	d	刀片 Inserts	螺丝 Screw	扳手 Wrench	重量 Weight
504800	ZD02-10.0-XP20-SO04-02	23	44	82	10					0.2
504801	10.3-XP20-SO04-02	24	44	83	10.3					0.2
504802	10.5-XP20-SO04-02	24	44	83	10.5					0.2
504803	11.0-XP20-SO04-02	25	44	84	11.0					0.2
504804	11.5-XP20-SO04-02	26	44	85	11.5					0.2
504805	12.0-XP20-SO04-02	27	44	86	12.0					0.2
504806	12.5-XP20-SO04-02	28	44	87	12.5					0.2
504807	ZD02-13.0-XP20-SO05-02	29	44	88	13.0					0.2
504808	13.5-XP20-SO05-02	30	44	89	13.5					0.2
504809	14.0-XP20-SO05-02	31	44	90	14.0					0.2
504810	14.5-XP20-SO05-02	32	44	91	14.5					0.2
504811	15.0-XP20-SO05-02	33	44	92	15.0					0.2
504812	15.5-XP20-SO05-02	34	44	93	15.5					0.2
504813	16.0-XP20-SO05-02	35	44	94	16.0					0.2
504814	ZD02-16.5-XP20-SO06-02	36	44	95	16.5					0.2
504815	17.0-XP20-SO06-02	37	44	96	17.0					0.2
504816	ZD02-17.5-XP25-SO06-02	38	56	109	17.5					0.3
504817	18.0-XP25-SO06-02	39	56	110	18.0					0.3
504818	18.5-XP25-SO06-02	40	56	111	18.5					0.3
504819	19.0-XP25-SO06-02	41	56	112	19.0					0.3
504820	ZD02-19.5-XP25-SO07-02	42	56	113	19.5					0.3
504821	20.0-XP25-SO07-02	43	56	114	20.0					0.3
504822	20.5-XP25-SO07-02	44	56	115	20.5					0.3
504823	21.0-XP25-SO07-02	45	56	116	21.0					0.3
504824	21.5-XP25-SO07-02	46	56	117	21.5					0.4
504825	22.0-XP25-SO07-02	47	56	118	22.0					0.4
504826	ZD02-22.5-XP25-SO08-02	48	56	119	22.5					0.4
504827	23.0-XP25-SO08-02	49	56	123	23.0					0.4
504828	23.5-XP25-SO08-02	50	56	124	23.5					0.4
504829	24.0-XP25-SO08-02	51	56	125	24.0					0.4
504830	24.5-XP25-SO08-02	52	56	126	24.5					0.4
504831	25.0-XP25-SO08-02	53	56	127	25.0					0.4
504832	ZD02-25.5-XP32-SO08-02	54	60	134	25.5					0.6
504833	26.0-XP25-SO08-02	55	60	135	26.0					0.6
504834	ZD02-26.5-XP32-SO09-02	56	60	136	26.5					0.6
504835	27.0-XP32-SO09-02	57	60	137	27.0					0.6
504836	27.5-XP32-SO09-02	58	60	138	27.5					0.6
504837	28.0-XP32-SO09-02	59	60	139	28.0					0.6
504838	28.5-XP32-SO09-02	60	60	140	28.5					0.6
504839	29.0-XP32-SO09-02	62	60	143	29.0					0.7
504840	29.5-XP32-SO09-02	63	60	144	29.5					0.7
504841	30.0-XP32-SO09-02	64	60	148	30.0					0.7
504842	30.5-XP32-SO09-02	65	60	149	30.5					0.7
504843	31.0-XP32-SO09-02	66	60	150	31.0					0.7
504844	31.5-XP32-SO09-02	67	60	151	31.5					0.7
504845	ZD02-32.0-XP32-SO11-02	68	60	152	32.0					0.8
504846	32.5-XP32-SO11-02	69	60	153	32.5					0.8
504847	33.0-XP32-SO11-02	70	60	154	33.0					0.8
504848	33.5-XP32-SO11-02	71	60	155	33.5					0.8
504849	34.0-XP32-SO11-02	72	60	156	34.0					0.8
504850	34.5-XP32-SO11-02	73	60	157	34.5					0.8
504851	35.0-XP32-SO11-02	74	60	158	35.0					0.8
504852	35.5-XP32-SO11-02	75	60	159	35.5					0.8
504853	36.0-XP32-SO11-02	76	60	160	36.0					0.9
504854	36.5-XP32-SO11-02	77	60	161	36.5					0.9
504855	ZD02-37.0-XP32-SO13-02	79	60	169	37.0					0.9
504856	37.5-XP32-SO13-02	80	60	170	37.5					0.9
504857	38.0-XP32-SO13-02	81	60	171	38.0					0.9
504858	38.5-XP32-SO13-02	82	60	172	38.5					0.9
504859	39.0-XP32-SO13-02	83	60	173	39.0					1.0
504860	39.5-XP32-SO13-02	84	60	174	39.5					1.1
504861	ZD02-40.0-XP40-SO13-02	85	70	185	40.0					1.3
504862	41.0-XP40-SO13-02	87	70	187	41.0					1.3
504863	42.0-XP40-SO13-02	89	70	189	42.0					1.4
504864	43.0-XP40-SO13-02	91	70	191	43.0					1.5
504865	ZD02-44.0-XP40-SO15-02	93	70	193	44.0					1.6
504866	45.0-XP40-SO15-02	95	70	195	45.0					1.7
504867	46.0-XP40-SO15-02	97	70	197	46.0					1.7
504868	47.0-XP40-SO15-02	99	70	199	47.0					1.8
504869	48.0-XP40-SO15-02	101	70	201	48.0					1.8
504870	49.0-XP40-SO15-02	103	70	203	49.0					1.9
504871	50.0-XP40-SO15-02	105	70	205	50.0					1.9

编码 Order	型号 Model	L1	L2	L	D	d	刀片 Inserts	螺丝 Screw	扳手 Wrench	重量 Weight
504880	ZD03-10.0-XP20-SO04-02	33	44	92	10					0.2
504881	10.3-XP20-SO04-02	34	44	93	10.3					0.2
504882	10.5-XP20-SO04-02	35	44	94	10.5					0.2
504883	11.0-XP20-SO04-02	36	44	95	11.0					0.2
504884	11.5-XP20-SO04-02	38	44	97	11.5					0.2
504885	12.0-XP20-SO04-02	39	44	98	12.0					0.2
504886	12.5-XP20-SO04-02	41	44	100	12.5					0.2
504887	ZD03-13.0-XP20-SO05-02	42	44	101	13.0					0.2
504888	13.5-XP20-SO05-02	44	44	103	13.5					0.2
504889	14.0-XP20-SO05-02	45	44	104	14.0					0.2
504890	14.5-XP20-SO05-02	47	44	106	14.5					0.2
504891	15.0-XP20-SO05-02	48	44	107	15.0					0.2
504892	15.5-XP20-SO05-02	50	44	109	15.5					0.2
504893	16.0-XP20-SO05-02	51	44	110	16.0					0.2
504894	ZD03-16.5-XP20-SO06-02	53	44	112	16.5					0.2
504895	17.0-XP20-SO06-02	54	44	113	17.0					0.2
504896	ZD03-17.5-XP25-SO06-02	56	56	127	17.5					0.3
504897	18.0-XP25-SO06-02	57	56	128	18.0					0.3
504898	18.5-XP25-SO06-02	59	56	130	18.5					0.3
504899	19.0-XP25-SO06-02	60	56	131	19.0					0.3
504900	ZD03-19.5-XP25-SO07-02	62	56	133	19.5					0.3
504901	20.0-XP25-SO07-02	63	56	134	20.0					0.3
504902	20.5-XP25-SO07-02	65	56	136	20.5					0.4
504903	21.0-XP25-SO07-02	66	56	137	21.0					0.4
504904	21.5-XP25-SO07-02	68	56	139	21.5					0.4
504905	22.0-XP25-SO07-02	69	56	140	22.0					0.4
504906	ZD03-22.5-XP25-SO08-02	71	56	142	22.5					0.4
504907	23.0-XP25-SO08-02	72	56	146	23.0					0.4
504908	23.5-XP25-SO08-02	74	56	148	23.5					0.4
504909	24.0-XP25-SO08-02	75	56	149	24.0					0.4
504910	24.5-XP25-SO08-02	77	56	151	24.5					0.4
504911	25.0-XP25-SO08-02	78	56	152	25.0					0.4
504912	ZD03-25.5-XP32-SO08-02	80	60	160	25.5					0.6
504913	26.0-XP25-SO08-02	81	60	161	26.0					0.6
504914	ZD03-26.5-XP32-SO09-02	83	60	163	26.5					0.7
504915	27.0-XP32-SO09-02	84	60	164	27.0					0.7
504916	27.5-XP32-SO09-02	86	60	166	27.5					0.7
504917	28.0-XP32									

SO 快速钻头

SO Type Fast Drilling Bit

4倍快速钻头-SO刀片 L1=4xD Fast Drill - SO Type

编码 Order	型号 Model	L1	L2	L	D	d	刀片 Inserts	螺丝 Screw	扳手 Wrench	重量 Weight
504960	ZD04-14.0-XP20-SO05-02	59	44	118	14.0		SOMT050204	M2.0x5	T6	0.2
504961	14.5-XP20-SO05-02	61	44	120	14.5	0.2				
504962	15.0-XP20-SO05-02	63	44	122	15.0	0.2				
504963	15.5-XP20-SO05-02	65	44	124	15.5	0.2				
504964	16.0-XP20-SO05-02	67	44	126	16.0		SOMT060204	M2.2x5	T7	0.2
504965	ZD04-16.5-XP20-SO06-02	69	44	128	16.5	0.2				
504966	17.0-XP20-SO06-02	71	44	130	17.0		SOMT060204	M2.2x5	T7	0.3
504967	ZD04-17.5-XP25-SO06-02	73	56	144	17.5	0.3				
504968	18.0-XP25-SO06-02	75	56	146	18.0	0.3				
504969	18.5-XP25-SO06-02	77	56	148	18.5	0.3				
504970	19.0-XP25-SO06-02	79	56	150	19.0		SOMT070306	M2.2x5	T7	0.4
504971	ZD04-19.5-XP25-SO07-02	81	56	152	19.5	0.4				
504972	20.0-XP25-SO07-02	83	56	154	20.0		SOMT070306	M2.2x5	T7	0.4
504973	20.5-XP25-SO07-02	85	56	156	20.5	0.4				
504974	21.0-XP25-SO07-02	87	56	158	21.0	0.4				
504975	21.5-XP25-SO07-02	89	56	160	21.5	0.4				
504976	22.0-XP25-SO07-02	91	56	162	22.0		SOMT08T306	M2.5x6	T8	0.5
504977	ZD04-22.5-XP25-SO08-02	93	56	164	22.5	0.5				
504978	23.0-XP25-SO08-02	95	56	166	23.0		SOMT08T306	M2.5x6	T8	0.5
504979	23.5-XP25-SO08-02	97	56	171	23.5	0.5				
504980	24.0-XP25-SO08-02	99	56	173	24.0	0.7				
504981	24.5-XP25-SO08-02	101	56	175	24.5	0.7				
504982	25.0-XP25-SO08-02	103	56	177	25.0		SOMT08T306	M2.5x6	T8	0.7
504983	ZD04-25.5-XP32-SO08-02	105	60	185	25.5	0.7				
504984	26.0-XP32-SO08-02	107	60	187	26.0	0.7				
504985	ZD04-26.5-XP32-SO09-02	109	60	189	26.5	0.7				
504986	27.0-XP32-SO09-02	111	60	191	27.0		SOMT09T308	M3.5x8	T15	0.7
504987	27.5-XP32-SO09-02	113	60	193	27.5	0.7				
504988	28.0-XP32-SO09-02	115	60	195	28.0	0.8				
504989	28.5-XP32-SO09-02	117	60	197	28.5	0.8				
504990	29.0-XP32-SO09-02	120	60	201	29.0		SOMT09T308	M3.5x8	T15	0.8
504991	29.5-XP32-SO09-02	122	60	203	29.5	0.9				
504992	30.0-XP32-SO09-02	124	60	205	30.0	0.9				
504993	30.5-XP32-SO09-02	126	60	210	30.5	0.9				
504994	31.0-XP32-SO09-02	128	60	212	31.0		SOMT11T308	M3.5x8	T15	0.9
504995	31.5-XP32-SO09-02	130	60	214	31.5	1.0				
504996	ZD04-32.0-XP32-SO11-02	132	60	216	32.0	1.0				
504997	32.5-XP32-SO11-02	134	60	218	32.5	1.0				
504998	33.0-XP32-SO11-02	136	60	220	33.0		SOMT11T308	M3.5x8	T15	1.0
504999	33.5-XP32-SO11-02	138	60	222	33.5	1.1				
505000	34.0-XP32-SO11-02	140	60	224	34.0	1.1				
505001	34.5-XP32-SO11-02	142	60	226	34.5	1.1				
505002	35.0-XP32-SO11-02	144	60	228	35.0		SOMT130408	M4.0x10	T15	1.1
505003	35.5-XP32-SO11-02	146	60	230	35.5	1.2				
505004	36.0-XP32-SO11-02	148	60	232	36.0	1.2				
505005	36.5-XP32-SO11-02	150	60	234	36.5	1.2				
505006	ZD04-37.0-XP32-SO13-02	153	60	243	37.0		SOMT130408	M4.0x10	T15	1.2
505007	37.5-XP32-SO13-02	155	60	245	37.5	1.3				
505008	38.0-XP32-SO13-02	157	60	247	38.0	1.3				
505009	38.5-XP32-SO13-02	159	60	249	38.5	1.8				
505010	39.0-XP32-SO13-02	161	60	251	39.0		SOMT130408	M4.0x10	T15	1.8
505011	39.5-XP32-SO13-02	163	60	253	39.5	1.8				
505012	ZD04-40.0-XP40-SO13-02	165	70	265	40.0	1.8				
505013	41.0-XP40-SO13-02	169	70	269	41.0	1.9				
505014	42.0-XP40-SO13-02	173	70	273	42.0		SOMT130408	M4.0x10	T15	2.0
505015	43.0-XP40-SO13-02	177	70	277	43.0	2.1				
505016	ZD04-44.0-XP40-SO15-02	181	70	281	44.0	2.2				
505017	45.0-XP40-SO15-02	185	70	285	45.0	2.3				
505018	46.0-XP40-SO15-02	189	70	289	46.0		SOMT150510	M5.0x11	T20	2.4
505019	47.0-XP40-SO15-02	193	70	293	47.0	2.5				
505020	48.0-XP40-SO15-02	197	70	297	48.0	2.6				
505021	49.0-XP40-SO15-02	201	70	301	49.0	2.7				
505022	50.0-XP40-SO15-02	205	70	305	50.0					2.8

5倍快速钻头-SO刀片 L1=5xD Fast Drill - SO Type

编码 Order	型号 Model	L1	L2	L	D	d	刀片 Inserts	螺丝 Screw	扳手 Wrench	重量 Weight
505030	ZD05-16.0-XP20-SO05-02	83	44	142	16.0		SOMT050204	M2.0x5	T6	0.3
505031	ZD05-16.5-XP20-SO06-02	86	44	145	16.5	0.3				
505032	17.0-XP20-SO06-02	88	44	147	17.0	0.4				
505033	ZD05-17.5-XP25-SO06-02	91	56	162	17.5	0.4				
505034	18.0-XP25-SO06-02	93	56	164	18.0		SOMT060204	M2.2x5	T7	0.4
505035	18.5-XP25-SO06-02	96	56	167	18.5	0.4				
505036	19.0-XP25-SO06-02	98	56	169	19.0		SOMT070306	M2.2x5	T7	0.5
505037	ZD05-19.5-XP25-SO07-02	101	56	172	19.5	0.5				
505038	20.0-XP25-SO07-02	103	56	174	20.0	0.5				
505039	20.5-XP25-SO07-02	106	56	177	20.5	0.5				
505040	21.0-XP25-SO07-02	108	56	179	21.0		SOMT070306	M2.2x5	T7	0.5
505041	21.5-XP25-SO07-02	111	56	182	21.5	0.5				
505042	22.0-XP25-SO07-02	113	56	184	22.0		SOMT08T306	M2.5x6	T8	0.5
505043	ZD05-22.5-XP25-SO08-02	116	56	187	22.5	0.6				
505044	23.0-XP25-SO08-02	118	56	192	23.0	0.6				
505045	23.5-XP25-SO08-02	121	56	195	23.5	0.6				
505046	24.0-XP25-SO08-02	123	56	197	24.0		SOMT08T306	M2.5x6	T8	0.6
505047	24.5-XP25-SO08-02	126	56	200	24.5	0.8				
505048	25.0-XP25-SO08-02	128	56	202	25.0		SOMT08T306	M2.5x6	T8	0.8
505049	ZD05-25.5-XP32-SO08-02	130	60	210	25.5	0.9				
505050	26.0-XP32-SO08-02	133	60	213	26.0	0.9				
505051	ZD05-26.5-XP32-SO09-02	136	60	216	26.5	0.9				
505052	27.0-XP32-SO09-02	138	60	218	27.0		SOMT09T308	M3.5x8	T15	0.9
505053	27.5-XP32-SO09-02	141	60	221	27.5	1.0				
505054	28.0-XP32-SO09-02	143	60	223	28.0	1.0				
505055	28.5-XP32-SO09-02	146	60	226	28.5	1.0				
505056	29.0-XP32-SO09-02	148	60	229	29.0		SOMT11T308	M3.5x8	T15	1.0
505057	29.5-XP32-SO09-02	151	60	232	29.5	1.0				
505058	30.0-XP32-SO09-02	154	60	236	30.0	1.0				
505059	30.5-XP32-SO09-02	157	60	241	30.5	1.0				
505060	31.0-XP32-SO09-02	159	60	243	31.0		SOMT11T308	M3.5x8	T15	1.0
505061	31.5-XP32-SO09-02	162	60	246	31.5	1.2				
505062	ZD05-32.0-XP32-SO11-02	164	60	248	32.0	1.2				
505063	32.5-XP32-SO11-02	167	60	251	32.5	1.2				
505064	33.0-XP32-SO11-02	169	60	253	33.0		SOMT11T308	M3.5x8	T15	1.2
505065	33.5-XP32-SO11-02	172	60	256	33.5	1.2				
505066	34.0-XP32-SO11-02	174	60	258	34.0	1.3				
505067	34.5-XP32-SO11-02	177	60	261	34.5	1.3				
505068	35.0-XP32-SO11-02	179	60	263	35.0		SOMT130408	M4.0x10	T15	1.3
505069	35.5-XP32-SO11-02	182	60	266	35.5	1.3				
505070	36.0-XP32-SO11-02	184	60	268	36.0	1.5				
505071	36.5-XP32-SO11-02	187	60	271	36.5	1.5				
505072	ZD05-37.0-XP32-SO13-02	190	60	280	37.0		SOMT130408	M4.0x10	T15	1.5
505073	37.5-XP32-SO13-02	193	60	283	37.5	1.5				
505074	38.0-XP32-SO13-02	195	60	285	38.0	1.6				
505075	38.5-XP32-SO13-02	198	60	288	38.5	1.6				
505076	39.0-XP32-SO13-02	200	60	290	39.0		SOMT130408	M4.0x10	T15	2.1
505077	39.5-XP32-SO13-02	203	60	293	39.5	2.1				
505078	ZD05-40.0-XP40-SO13-02	205	70	305	40.0	2.2				
505079	41.0-XP40-SO13-02	210	70	310	41.0	2.2				
505080	42.0-XP40-SO13-02	215	70	315	42.0		SOMT150510	M5.0x11	T20	2.5
505081	43.0-XP40-SO13-02	220	70	320	43.0	2.6				
505082	ZD05-44.0-XP40-SO15-02	225	70	325	44.0	2.7				
505083	45.0-XP40-SO15-02	230	70	330	45.0	2.8				
505084	46.0-XP40-SO15-02	230	70	330	46.0		SOMT150510	M5.0x11	T20	2.9
505085	47.0-XP40-SO15-02	240	70	340	47.0	3.0				
505086	48.0-XP40-SO15-02									

XO 快速钻头

XO Type Fast Drilling Bit

4倍快速钻头-XO刀片 L1=4xD Fast Drill - XO Type

编码 Order	型号 Model	L1	L2	L	D	d	刀片 Inserts	螺丝 Screw	扳手 Wrench	单价 Price
505360	ZD04- 13.0-XP20-XO04	55	50	125	13.0					
505361	13.5-XP20-XO04	57	50	127	13.5		XOMT040204	M2.0x4	T6	
505362	14.0-XP20-XO04	59	50	129	14.0		SPMT040204			
505363	14.5-XP20-XO04	61	50	131	14.5					
505364	15.0-XP20-XO05	63	50	133	15.0					
505365	15.5-XP20-XO05	65	50	135	15.5		XOMT050204	M2.0x4	T6	
505366	16.0-XP20-XO05	67	50	137	16.0		SPMT050204			
505367	ZD04- 16.5-XP25-XO06	69	56	150	16.5					
505368	17.0-XP25-XO06	71	56	152	17.0					
505369	17.5-XP25-XO06	73	56	154	17.5					
505370	18.0-XP25-XO06	75	56	156	18.0		XOMT060204	M2.2x5	T6	
505371	18.5-XP25-XO06	77	56	158	18.5		SPMT060205			
505372	19.0-XP25-XO06	79	56	160	19.0					
505373	19.5-XP25-XO06	81	56	162	19.5					
505374	20.0-XP25-XO06	83	56	164	20.0					
505375	20.5-XP25-XO06	85	56	166	20.5					
505376	21.0-XP25-XO07	87	56	168	21.0					
505377	21.5-XP25-XO07	89	56	170	21.5					
505378	22.0-XP25-XO07	91	56	172	22.0		XOMT07T205	M2.5x5	T8	
505379	22.5-XP25-XO07	93	56	174	22.5		SPMT07T208			
505380	23.0-XP25-XO07	95	56	176	23.0					
505381	23.5-XP25-XO07	97	56	178	23.5					
505382	ZD04- 24.0-XP32-XO09	99	60	189	24.0					
505383	24.5-XP32-XO09	101	60	191	24.5					
505384	25.0-XP32-XO09	103	60	193	25.0					
505385	25.5-XP32-XO09	105	60	195	25.5					
505386	26.0-XP32-XO09	107	60	197	26.0					
505387	26.5-XP32-XO09	109	60	199	26.5					
505388	27.0-XP32-XO09	111	60	201	27.0		XOMT090305	M3.0x7	T8	
505389	27.5-XP32-XO09	113	60	203	27.5		SPMT090308			
505390	28.0-XP32-XO09	115	60	205	28.0					
505391	28.5-XP32-XO09	117	60	207	28.5					
505392	29.0-XP32-XO09	119	60	209	29.0					
505393	29.5-XP32-XO09	121	60	211	29.5					
505394	30.0-XP32-XO09	125	60	215	30.0					
505395	31.0-XP32-XO09	129	60	219	31.0					
505396	32.0-XP32-XO11	133	60	223	32.0					
505397	33.0-XP32-XO11	137	60	227	33.0		XOMT11T306	M3.5x8	T15	
505398	34.0-XP32-XO11	141	60	231	34.0		SPMT11T308			
505399	35.0-XP32-XO11	145	60	235	35.0					
505410	ZD04- 36.0-XP40-XO13	149	70	254	36.0					
505411	37.0-XP40-XO13	153	70	258	37.0					
505412	38.0-XP40-XO13	157	70	262	38.0					
505413	39.0-XP40-XO13	161	70	266	39.0		XOMT130406	M4.0x10	T15	
505414	40.0-XP40-XO13	165	70	270	40.0		SPMT130410			
505415	41.0-XP40-XO13	169	70	274	41.0					
505416	42.0-XP40-XO13	173	70	278	42.0					
505417	43.0-XP40-XO15	177	70	282	43.0					
505418	44.0-XP40-XO15	181	70	286	44.0					
505419	45.0-XP40-XO15	185	70	290	45.0					
505420	46.0-XP40-XO15	189	70	294	46.0		XOMT15M508	M5.0x12	T20	
505421	47.0-XP40-XO15	193	70	298	47.0		SPMT15M510			
505422	48.0-XP40-XO15	197	70	302	48.0					
505423	49.0-XP40-XO15	201	70	306	49.0					
505424	50.0-XP40-XO15	205	70	310	50.0					
505425	51.0-XP40-XO18	209	70	314	51.0					
505426	52.0-XP40-XO18	213	70	318	52.0					
505427	53.0-XP40-XO18	217	70	322	53.0					
505428	54.0-XP40-XO18	221	70	326	54.0					
505429	55.0-XP40-XO18	225	70	330	55.0					
505430	56.0-XP40-XO18	229	70	334	56.0		XOMT180508	M5.0x12	T20	
505431	57.0-XP40-XO18	233	70	338	57.0		SPMT180510			
505432	58.0-XP40-XO18	237	70	342	58.0					
505433	59.0-XP40-XO18	241	70	346	59.0					
505434	60.0-XP40-XO18	245	70	350	60.0					

快速
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铰刀

快速
钻头

铲齿

定心
钻头

VMD
大钻头

钻尖

空心
钻头

油路
配件

LBK
BST
镗孔
刀柄

HBOR
CBI
CBH
精镗
系统

NBJ
NBH
镗孔
套装

TWE
RBH
粗镗
系统

钻头

铰刀

WD 快速钻头

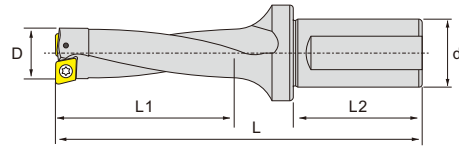
WD Type Fast Drilling Bit

WD舍弃式快速钻头

WD Type Fast Drilling Bit



切削参数 (Cutting Parameters): K33



Model No	Insert 刀片	parts	d	D	D×2倍			D×3倍			D×4倍			D×5倍		
					型号	L1	Price	型号	L1	Price	型号	L1	Price	型号	L1	Price
WDX 130	WDX 042004	M1.6x4 T6	20	13.0	D2S20	29	4066	D3S20	42.0	4275	D4S20	55	4920	D5S20	68.0	5352
WDX 135				13.5	D2S20	30	4066	D3S20	43.5	4275	D4S20	57	4920	D5S20	70.5	5352
WDX 140				14.0	D2S20	31	4066	D3S20	45.0	4275	D4S20	59	4920	D5S20	73.0	5352
WDX 145				14.5	D2S20	32	4066	D3S20	46.5	4275	D4S20	61	4920	D5S20	75.5	5352
WDX 150				15.0	D2S20	33	4066	D3S20	48.0	4275	D4S20	63	4920	D5S20	78.0	5352
WDX 155				15.5	D2S20	34	4160	D3S20	49.5	4379	D4S20	65	5039	D5S20	80.5	5471
WDX 160				16.0	D2S20	35	4160	D3S20	51.0	4379	D4S20	67	5039	D5S20	83.0	5471
WDX 165				16.5	D2S20	36	4160	D3S20	52.5	4379	D4S20	69	5039	D5S20	85.5	5471
WDX 170				17.0	D2S20	37	4160	D3S20	54.0	4379	D4S20	71	5039	D5S20	88.0	5471
WDX 175				17.5	D2S25	38	4361	D3S25	55.5	4588	D4S25	73	5278	D5S25	90.5	5736
WDX 180	18.0	D2S25	39	4361	D3S25	57.0	4588	D4S25	75	5278	D5S25	93.0	5736			
WDX 185	18.5	D2S25	40	4461	D3S25	58.5	4689	D4S25	77	5397	D5S25	95.5	5867			
WDX 190	19.0	D2S25	41	4461	D3S25	60.0	4689	D4S25	79	5397	D5S25	98.0	5867			
WDX 195	19.5	D2S25	42	4461	D3S25	61.5	4689	D4S25	81	5397	D5S25	100.5	5867			
WDX 200	20.0	D2S25	43	4461	D3S25	63.0	4689	D4S25	83	5397	D5S25	103.0	5867			
WDX 205	20.5	D2S25	44	4461	D3S25	64.5	4689	D4S25	85	5397	D5S25	105.5	5867			
WDX 210	21.0	D2S25	45	4461	D3S25	66.0	4689	D4S25	87	5397	D5S25	108.0	5867			
WDX 215	21.5	D2S25	46	4461	D3S25	67.5	4689	D4S25	89	5397	D5S25	110.5	5867			
WDX 220	22.0	D2S25	47	4461	D3S25	69.0	4689	D4S25	91	5397	D5S25	113.0	5867			
WDX 225	22.5	D2S25	48	4461	D3S25	70.5	4689	D4S25	93	5397	D5S25	115.5	5867			
WDX 230	23.0	D2S25	49	4558	D3S25	72.0	4797	D4S25	95	5512	D5S25	118.0	5993			
WDX 235	23.5	D2S25	50	4558	D3S25	73.5	4797	D4S25	97	5512	D5S25	120.5	5993			
WDX 240	24.0	D2S25	51	4558	D3S25	75.0	4797	D4S25	99	5512	D5S25	123.0	5993			
WDX 245	24.5	D2S25	52	4558	D3S25	76.5	4797	D4S25	101	5512	D5S25	125.5	5993			
WDX 250	25.0	D2S25	53	4558	D3S25	78.0	4797	D4S25	103	5512	D5S25	128.0	5993			
WDX 255	25.5	D2S32	54	4752	D3S32	79.5	5002	D4S32	105	5755	D5S32	-	-			
WDX 260	26.0	D2S32	55	4752	D3S32	81.0	5002	D4S32	107	5755	D5S32	133	6254			
WDX 265	26.5	D2S32	56	4752	D3S32	82.5	5002	D4S32	109	5755	D5S32	-	-			
WDX 270	27.0	D2S32	57	4752	D3S32	84.0	5002	D4S32	111	5755	D5S32	138	6254			
WDX 275	27.5	D2S32	58	4752	D3S32	85.5	5002	D4S32	113	5755	D5S32	-	-			
WDX 280	28.0	D2S32	59	4752	D3S32	87.0	5002	D4S32	115	5755	D5S32	143	6254			
WDX 285	28.5	D2S32	60	4752	D3S32	88.5	5002	D4S32	117	5755	D5S32	-	-			
WDX 290	29.0	D2S32	62	4752	D3S32	91.0	5002	D4S32	120	5755	D5S32	149	6254			
WDX 295	29.5	D2S32	63	4752	D3S32	92.5	5002	D4S32	122	5755	D5S32	-	-			
WDX 300	30.0	D2S32	64	-	D3S32	94.0	-	D4S32	124	6400	D5S32	154	6776			
WDX 310	31.0	D2S32	66	-	D3S32	97.0	-	D4S32	128	6250	D5S32	159	6776			
WDX 320	32.0	D2S32	68	-	D3S32	100	-	D4S32	132	6400	D5S32	164	6776			
WDX 300	30.0	D2S40	64	5147	D3S40	94.0	5423	D4S40	124	6250	D5S40	154	6776			
WDX 310	31.0	D2S40	66	5147	D3S40	97.0	5423	D4S40	128	6400	D5S40	159	6776			
WDX 320	32.0	D2S40	68	5147	D3S40	100	5423	D4S40	132	6250	D5S40	164	6776			
WDX 330	33.0	D2S40	70	5147	D3S40	103	5423	D4S40	136	6250	D5S40	169	6776			
WDX 340	34.0	D2S40	72	5147	D3S40	106	5423	D4S40	140	6250	D5S40	174	6776			
WDX 350	35.0	D2S40	74	5147	D3S40	109	5423	D4S40	144	6250	D5S40	179	6776			
WDX 360	36.0	D2S40	76	5147	D3S40	112	5423	D4S40	148	6250	D5S40	184	6776			
WDX 370	37.0	D2S40	79	5941	D3S40	116	6254	D4S40	153	7190	D5S40	190				
WDX 380	38.0	D2S40	81	5941	D3S40	119	6254	D4S40	157	7190	D5S40	195				
WDX 390	39.0	D2S40	83	5941	D3S40	122	6254	D4S40	161	7190	D5S40	200				
WDX 400	40.0	D2S40	85	5941	D3S40	125	6254	D4S40	165	7190	D5S40	205				
WDX 410	41.0	D2S40	87	5941	D3S40	128	6254	D4S40	169	7190	D5S40	210				
WDX 420	42.0	D2S40	89	5941	D3S40	131	6254	D4S40	173	7190	D5S40	215				
WDX 430	43.0	D2S40	91	5941	D3S40	134	6254	D4S40	177	7190	D5S40	220				
WDX 440	44.0	D2S40	93	5941	D3S40	137	6254	D4S40	181	7190	D5S40	225				
WDX 450	45.0	D2S40	95	5941	D3S40	140	6254	D4S40	185	7190	D5S40	230				
WDX 460	46.0	D2S40	97	6444	D3S40	143	6776	D4S40	189	7797	D5S40	235				
WDX 470	47.0	D2S40	99	6444	D3S40	146	6776	D4S40	193	7797	D5S40	240				
WDX 480	48.0	D2S40	101	6444	D3S40	149	6776	D4S40	197	7797	D5S40	245				
WDX 490	49.0	D2S40	103	6444	D3S40	152	6776	D4S40	201	7797	D5S40	250				
WDX 500	50.0	D2S40	105	6444	D3S40	155	6776	D4S40	205	7797	D5S40	255				
WDX 510	51.0	D2S40	107	6765	D3S40	158	7115	D4S40	209	8192	D5S40	260				
WDX 520	52.0	D2S40	109	6765	D3S40	161	7115	D4S40	213	8192	D5S40	265				
WDX 530	53.0	D2S40	111	6765	D3S40	164	7115	D4S40	217	8192	D5S40	270				
WDX 540	54.0	D2S40	113	6765	D3S40	167	7115	D4S40	221	8192	D5S40	275				
WDX 550	55.0	D2S40	115	6765	D3S40	170	7115	D4S40	225	8192	D5S40	280				
WDX 560	56.0	D2S40	120	7611	D3S40	176	8442	D4S40	232	9642	D5S40					
WDX 570	57.0	D2S40	122	7611	D3S40	179	8442	D4S40	236	9642	D5S40					
WDX 580	58.0	D2S40	124	7611	D3S40	182	8442	D4S40	240	9642	D5S40					
WDX 590	59.0	D2S40	126	7611	D3S40	185	8442	D4S40	244	9642	D5S40					
WDX 600	60.0	D2S40	128	7611	D3S40	188	8442	D4S40	248	9642	D5S40					
WDX 610	61.0	D2S40	130	7924	D3S40	191	8807	D4S40	252	10112	D5S40					
WDX 620	62.0	D2S40	132	7924	D3S40	194	8807	D4S40	256	10112	D5S40					
WDX 630	63.0	D2S40	134	7924	D3S40	197	8807	D4S40	260	10112	D5S40					
WDX 640	64.0	D2S40	136	7924	D3S40	200	8807	D4S40			D5S40					
WDX 650	65.0	D2S40	138	7924	D3S40	203	8807	D4S40			D5S40					

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大钻头

钻尖

空心
钻头

油路
配件

LBK
BST
镗孔
刀柄

HBOR
CBI
CBH
精镗
系统

NBJ
NBH
镗孔
套装

TWE
RBH
粗镗
系统

钻头

铰刀

GCMT
GPMT

锋利耐磨
有孔
钻孔加工

切削形态: ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ✘ 不稳定切削 Unstable Cutting

应用 用途	产品图片 Product Image	几何尺寸 Dimensioning	规格型号 Specification	尺寸 Dimension (mm)					配套刀柄 Matching Toolholder	PCD CBN-K CBN-S ZBN60 ZK01 ZK05 ZN150 ZN162 ZN163
				rℓ	A	B	T			
P 钢 Steel										●●●●●●●●
M 不锈钢 Stainless Steel										●●●●●●●●
K 铸铁 Iron										●●●●●●●●
N 铝/铜/镁/锌/塑料/木材 Aluminum/Copper/Magnesium/Zinc/Plastic/Wood										●●●●●●●●
S 硬质合金/粉末冶金 Carbide/Powder Metallurgy										●●●●●●●●
H 钛/高温合金/碳纤维 Titanium/Superalloy/Carbon Fiber										●●●●●●●●
用途 Application	产品图片 Product Image	几何尺寸 Dimensioning	规格型号 Specification	rℓ	A	B	T			
钻孔刀片 Drilling inserts		<p>GCMT 95° rℓ A B T 7°</p> <p>GPMT 60° 100° rℓ A T 11°</p>	<p>GCMT 040204-U2 GPMT 060204-U2 070204-U2 090304-U2 11T308-U2 140408-U2</p>	0.4 0.4 0.4 0.4 0.8 0.8	5.0 5.56 6.35 7.94 9.525 12.7	4.7 - - - - -	2.38 2.38 2.38 3.18 3.97 4.76			●●●●●●●●

快速
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加工
系统

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铲钻

定心
钻头

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钻尖

空心
钻头

油路
配件

LBK
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刀柄

HBOR
CBI
CBH
精镗
系统

NBJ
NBH
镗孔
套装

TWE
RBH
粗镗
系统

钻头

铰刀

880

四角高效
单面有孔
钻孔刀片

切削形态: ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ✘ 不稳定切削 Unstable Cutting

应用 用途	产品图片 Product Image	几何尺寸 Dimensioning	规格型号 Specification	尺寸 Dimension (mm)					配套刀柄 Matching Toolholder	PCD CBN-K CBN-S ZBN60 ZK01 ZK05 ZN150 ZN162 ZN163
				rℓ	A	B	T	L		
P 钢 Steel										●●●●●●●●
M 不锈钢 Stainless Steel										●●●●●●●●
K 铸铁 Iron										●●●●●●●●
N 铝/铜/镁/锌/塑料/木材 Aluminum/Copper/Magnesium/Zinc/Plastic/Wood										●●●●●●●●
S 硬质合金/粉末冶金 Carbide/Powder Metallurgy										●●●●●●●●
H 钛/高温合金/碳纤维 Titanium/Superalloy/Carbon Fiber										●●●●●●●●
用途 Application	产品图片 Product Image	几何尺寸 Dimensioning	规格型号 Specification	rℓ	A	B	T	L	a	
钻孔加工 Drilling Processing		<p>880 rℓ A T</p> <p>880-01 rℓ A T</p>	<p>880- 010203H-C-LM 020204H-C-LM 030305H-C-LM 040305H-C-LM 050305H-C-LM 060406H-C-LM 070406H-C-LM 080508H-C-LM 090608H-C-LM</p>	0.3 0.4 0.5 0.5 0.5 0.6 0.6 0.8 0.8	4.80 4.90 5.70 6.80 8.40 10.20 12.35 14.85 17.90	- - - - - - - - -	2.2 2.4 2.6 2.8 3.0 3.5 4.0 4.5 5.5	- - - - - - - - -	- - - - - - - - -	●●●●●●●●
钻孔加工 Drilling Processing		<p>880 rℓ A T</p>	<p>880- 020204H-C-GM 030305H-C-GM 040305H-C-GM 050305H-C-GM 060406H-C-GM 070406H-C-GM 080508H-C-GM 090608H-C-GM</p>	0.4 0.5 0.5 0.5 0.6 0.6 0.8 0.8	4.90 5.70 6.80 8.40 10.20 12.35 14.85 17.90	- - - - - - - -	2.4 2.6 2.8 3.0 3.5 4.0 4.5 5.5	- - - - - - - -	- - - - - - - -	●●●●●●●●
钻孔加工 Drilling Processing		<p>880 rℓ A T</p> <p>880-01 rℓ A T</p>	<p>880- 010203H-C-GR 020204H-C-GR 030305H-C-GR 040305H-C-GR 050305H-C-GR 060406H-C-GR 070406H-C-GR 080508H-C-GR 090608H-C-GR</p>	0.3 0.4 0.5 0.5 0.5 0.6 0.6 0.8 0.8	4.80 4.90 5.70 6.80 8.40 10.20 12.35 14.85 17.90	- - - - - - - - -	2.2 2.4 2.6 2.8 3.0 3.5 4.0 4.5 5.5	- - - - - - - - -	- - - - - - - - -	●●●●●●●●

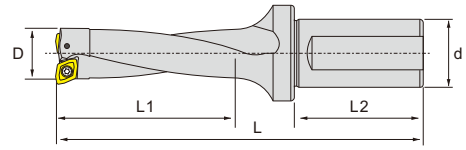
880系列快速钻头库存请咨询客服!
880 series quick drill stock please contact customer service!

880/GP 快速钻头

880/GP Type Fast Drilling Bit

TAF 舍弃式快速钻头

TAF Discard Quick Drill



切削参数 (Cutting Parameters): K33

Model No	Insert 刀片	parts	(d) 接口	D1	D×2倍				D×3倍				D×4倍			
					Order	型号	L1	Price	Order	型号	L1	Price	Order	型号	L1	Price
TAF	GCMT 040204-U..	M2.0x4 T6	(20) PT 1/8	12.0	556100	S1200F20	29	1100	556300	M1200F20	41	1320	556500	L1200F20	55	1584
TAF				12.5	556102	S1250F20	29	1100	556302	M1250F20	41	1320	556502	L1250F20	55	1584
TAF				13.0	556104	S1300F20	31	1100	556304	M1300F20	44	1320	556504	L1300F20	60	1584
TAF				13.5	556106	S1350F20	31	1100	556306	M1350F20	44	1320	556506	L1350F20	60	1584
TAF				14.0	556108	S1400F20	33	1100	556308	M1400F20	47	1320	556508	L1400F20	60	1584
TAF				14.5	556110	S1450F20	33	1100	556310	M1450F20	47	1320	556510	L1450F20	60	1584
TAF				15.0	556112	S1500F20	35	900	556312	M1500F20	50	1080	556512	L1500F20	70	1296
TAF				15.5	556114	S1550F20	35	900	556314	M1550F20	50	1080	556514	L1550F20	70	1296
TAF				16.0	556116	S1600F25	38	900	556316	M1600F25	54	1080	556516	L1600F25	75	1296
TAF				16.5	556118	S1650F25	38	900	556318	M1650F25	54	1080	556518	L1650F25	75	1296
TAF				17.0	556120	S1700F25	41	900	556320	M1700F25	58	1080	556520	L1700F25	75	1296
TAF				17.5	556122	S1750F25	41	900	556322	M1750F25	58	1080	556522	L1750F25	75	1296
TAF				18.0	556124	S1800F25	43	900	556324	M1800F25	61	1080	556524	L1800F25	79	1296
TAF				18.5	556126	S1850F25	43	900	556326	M1850F25	61	1080	556526	L1850F25	79	1296
TAF				19.0	556128	S1900F25	46	900	556328	M1900F25	65	1080	556528	L1900F25	84	1296
TAF	19.5	556130	S1950F25	46	900	556330	M1950F25	65	1080	556530	L1950F25	84	1296			
TAF	20.0	556132	S2000F25	48	900	556332	M2000F25	68	1080	556532	L2000F25	88	1296			
TAF	20.5	556134	S2050F25	48	1000	556334	M2050F25	68	1200	556534	L2050F25	88	1440			
TAF	21.0	556136	S2100F25	50	1000	556336	M2100F25	71	1200	556536	L2100F25	92	1440			
TAF	21.5	556138	S2150F25	50	1000	556338	M2150F25	71	1200	556538	L2150F25	92	1440			
TAF	22.0	556140	S2200F25	53	1000	556340	M2200F25	75	1200	556540	L2200F25	97	1440			
TAF	22.5	556142	S2250F25	53	1000	556342	M2250F25	75	1200	556542	L2250F25	97	1440			
TAF	23.0	556144	S2300F25	55	1000	556344	M2300F25	78	1200	556544	L2300F25	101	1440			
TAF	23.5	556146	S2350F25	55	1000	556346	M2350F25	78	1200	556546	L2350F25	101	1440			
TAF	24.0	556148	S2400F25	58	1000	556348	M2400F25	82	1200	556548	L2400F25	106	1440			
TAF	24.5	556150	S2450F25	58	1000	556350	M2450F25	82	1200	556550	L2450F25	106	1440			
TAF	25.0	556152	S2500F32	60	1000	556352	M2500F32	85	1200	556552	L2500F32	110	1440			
TAF	25.5	556154	S2550F32	60	1000	556354	M2550F32	85	1200	556554	L2550F32	110	1440			
TAF	26.0	556156	S2600F32	62	1200	556356	M2600F32	88	1440	556556	L2600F32	114	1728			
TAF	26.5	556158	S2650F32	62	1200	556358	M2650F32	88	1440	556558	L2650F32	114	1728			
TAF	27.0	556160	S2700F32	65	1200	556360	M2700F32	92	1440	556560	L2700F32	119	1728			
TAF	27.5	556162	S2750F32	65	1200	556362	M2750F32	92	1440	556562	L2750F32	119	1728			
TAF	28.0	556164	S2800F32	67	1200	556364	M2800F32	95	1440	556564	L2800F32	123	1728			
TAF	28.5	556166	S2850F32	67	1200	556366	M2850F32	95	1440	556566	L2850F32	123	1728			
TAF	29.0	556168	S2900F32	70	1200	556368	M2900F32	99	1440	556568	L2900F32	128	1728			
TAF	29.5	556170	S2950F32	70	1200	556370	M2950F32	99	1440	556570	L2950F32	128	1728			
TAF	30.0	556172	S3000F40	82	1200	556372	M3000F40	102	1440	556572	L3000F40	132	1728			
TAF	31.0	556174	S3100F40	74	1300	556374	M3100F40	105	1560	556574	L3100F40	136	1872			
TAF	32.0	556176	S3200F40	77	1300	556376	M3200F40	109	1560	556576	L3200F40	141	1872			
TAF	33.0	556178	S3300F40	79	1300	556378	M3300F40	112	1560	556578	L3300F40	145	1872			
TAF	34.0	556180	S3400F40	82	1300	556380	M3400F40	116	1560	556580	L3400F40	150	1872			
TAF	35.0	556182	S3500F40	84	1300	556382	M3500F40	119	1560	556582	L3500F40	150	1872			
TAF	36.0	556184	S3600F40	86	1500	556384	M3600F40	122	1800	556584	L3600F40	154	2160			
TAF	37.0	556186	S3700F40	89	1500	556386	M3700F40	126	1800	556586	L3700F40	158	2160			
TAF	38.0	556188	S3800F40	91	1500	556388	M3800F40	129	1800	556588	L3800F40	162	2160			
TAF	39.0	556190	S3900F40	94	1500	556390	M3900F40	133	1800	556590	L3900F40	166	2160			
TAF	40.0	556192	S4000F40	96	1500	556392	M4000F40	136	1800	556592	L4000F40	170	2160			
TAF	41.0	556194	S4100F40	98	1800	556394	M4100F40	139	2160	556594	L4100F40	174	2592			
TAF	42.0	556196	S4200F40	101	1800	556396	M4200F40	143	2160	556596	L4200F40	178	2592			
TAF	43.0	556198	S4300F40	103	1800	556398	M4300F40	146	2160	556598	L4300F40	182	2592			
TAF	44.0	556200	S4400F40	106	1800	556400	M4400F40	150	2160	556600	L4400F40	186	2592			
TAF	45.0	556202	S4500F40	108	1800	556402	M4500F40	153	2160	556602	L4500F40	190	2592			
TAF	46.0	556204	S4600F40	110	2000	556404	M4600F40	156	2400	556604	L4600F40	194	2880			
TAF	47.0	556206	S4700F40	113	2000	556406	M4700F40	160	2400	556606	L4700F40	198	2880			
TAF	48.0	556208	S4800F40	115	2000	556408	M4800F40	163	2400	556608	L4800F40	202	2880			
TAF	49.0	556210	S4900F40	118	2000	556410	M4900F40	167	2400	556610	L4900F40	206	2880			
TAF	50.0	556212	S5000F40	120	2000	556412	M5000F40	170	2400	556612	L5000F40	210	2880			
TAF	51.0	556214	S5100F40	122	2500	556414	M5100F40	173	3000	556614	L5100F40	214	3600			
TAF	52.0	556216	S5200F40	125	2500	556416	M5200F40	177	3000	556616	L5200F40	218	3600			
TAF	53.0	556218	S5300F40	127	2500	556418	M5300F40	180	3000	556618	L5300F40	222	3600			
TAF	54.0	556220	S5400F40	128	2500	556420	M5400F40	182	3000	556620	L5400F40	226	3600			
TAF	55.0	556222	S5500F40	130	3000	556422	M5500F40	185	3600	556622	L5500F40	230	4320			
TAF	56.0	556224	S5600F40	132	3000	556424	M5600F40	188	3600	556624	L5600F40	234	4320			

快速
钻孔

镗孔
加工
系统

钻头

铰刀

快速
钻头

铲钻

定心
钻头

VMD
大钻头

钻尖

空心
钻头

油路
配件

LBK
BST
镗孔
刀柄

HBOR
CBI
CBH
精镗
系统

NBJ
NBH
镗孔
套装

TWE
RBH
粗镗
系统

钻头

铰刀

硬质合金铲钻刀杆

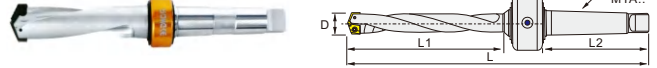
3D直槽侧固柄 3D Straight Groove Side Fixing Carbide Toolholder



Order	型号 Model	L	L1	L2	D	D1	螺丝 screw	材料 Material	Price
500100	SDT03-11.0-11.9-H-XP20	112	36	48	11.0-11.9	20	M1.8*4.5	T6	
500102	SDT03-12.0-12.9-H-XP20	116	39	48	12.0-12.9	20	M2*5	T6	
500104	SDT03-13.0-13.9-H-XP20	118	42	48	13.0-13.9	20	M2*5	T6	
500106	SDT03-14.0-14.9-H-XP20	122	45	48	14.0-14.9	20	M2*5	T6	
500108	SDT03-15.0-15.9-H-XP20	126	48	48	15.0-15.9	20	M2*5	T6	
500110	SDT03-16.0-16.9-H-XP20	130	51	48	16.0-16.9	20	M2.5*6	T8	
500112	SDT03-17.0-17.9-H-XP20	134	54	48	17.0-17.9	20	M2.5*7	T8	
500114	SDT03-18.0-19.9-H-XP25	150	57	56	18.0-19.9	25	M3*7.5	T10	
500116	SDT03-20.0-21.9-H-XP25	156	66	56	20.0-21.9	25	M3*7.5	T10	
500118	SDT03-22.0-23.9-H-XP25	162	72	56	22.0-23.9	25	M3*9	T10	
500120	SDT03-24.0-25.9-H-XP25	168	78	56	24.0-25.9	25	M3*9	T10	
500122	SDT03-26.0-28.9-H-XP32	186	87	60	26.0-28.9	32	M4*10	T15	
500124	SDT03-29.0-31.9-H-XP32	195	96	60	29.0-31.9	32	M4*10	T15	
500126	SDT03-32.0-35.0-H-XP32	205	105	60	32.0-35.0	32	M4*10	T15	

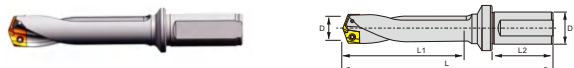
高速钢铲钻刀杆

3D莫氏柄铲钻规格 3D Steel Morse Toolholder



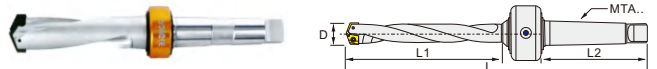
Order	型号 Model	L	L1	L2	D	D1	螺丝 screw	材料 Material	Price
501100	SDS03-09.5-11.0-MT2	181	36	80	9.5-11.0	MT2	M2*5	T6	7281
501102	SDS03-11.1-12.9-MT2	187	42	80	11.1-12.9	MT2	M2*5	T6	7281
501104	SDS03-13.0-15.0-MT2	193	48	80	13.0-15.0	MT2	M2.5*6	T8	7281
501106	SDS03-15.1-17.5-MT2	200	55	80	15.1-17.5	MT2	M2.5*6	T8	7500
501108	SDS03-17.6-19.5-MT3	226	61	99	17.6-19.5	MT3	M3*8	T10	8250
501110	SDS03-19.6-21.5-MT3	232	67	99	19.6-21.5	MT3	M3*8	T10	8250
501112	SDS03-21.6-24.4-MT3	241	76	99	21.6-24.4	MT3	M3*8	T10	8250
501114	SDS03-24.5-26.5-MT4	284	82	124	24.5-26.5	MT4	M3.5*10	T15	9156
501116	SDS03-26.6-28.5-MT4	290	88	124	26.6-28.5	MT4	M3.5*10	T15	9156
501118	SDS03-28.6-30.5-MT4	296	94	124	28.6-30.5	MT4	M3.5*10	T15	9500
501120	SDS03-30.6-32.5-MT4	302	100	124	30.6-32.5	MT4	M3.5*10	T15	9500
501122	SDS03-32.6-34.9-MT4	309	107	124	32.6-34.9	MT4	M3.5*10	T15	9000
501124	SDS03-35.0-37.9-MT5	360	11	156	35.0-37.9	MT5	M3.5*10	T15	10594
501126	SDS03-38.0-40.9-MT5	369	125	156	38.0-40.9	MT5	M3.5*10	T15	10594
501128	SDS03-41.0-43.9-MT5	378	134	156	41.0-43.9	MT5	M3.5*10	T15	11000
501130	SDS03-44.0-47.9-MT5	390	146	156	44.0-47.9	MT5	M3.5*10	T15	11469
501132	SDS03-48.0-51.9-MT5	402	158	156	48.0-51.9	MT5	M5*15	T20	12031
501134	SDS03-52.0-55.9-MT5	414	170	156	52.0-55.9	MT5	M5*15	T20	12656
501136	SDS03-56.0-59.9-MT5	426	182	156	56.0-59.9	MT5	M5*15	T20	13281
501138	SDS03-60.0-65.0-MT5	442	198	156	60.0-65.0	MT5	M5*15	T20	13875

5D直槽侧固柄 5D Straight Groove Side Fixing Carbide Toolholder



Order	型号 Model	L	L1	L2	D	D1	螺丝 screw	材料 Material	Price
500200	SDT05-11.0-11.9-H-XP20	136	60	48	11.0-11.9	20	M1.8*4.5	T6	
500202	SDT05-12.0-12.9-H-XP20	142	65	48	12.0-12.9	20	M2*5	T6	
500204	SDT05-13.0-13.9-H-XP20	146	70	48	13.0-13.9	20	M2*5	T6	
500206	SDT05-14.0-14.9-H-XP20	152	75	48	14.0-14.9	20	M2*5	T6	
500208	SDT05-15.0-15.9-H-XP20	158	80	48	15.0-15.9	20	M2*5	T6	
500210	SDT05-16.0-16.9-H-XP20	164	85	48	16.0-16.9	20	M2.5*6	T8	
500212	SDT05-17.0-17.9-H-XP20	170	90	48	17.0-17.9	20	M2.5*7	T8	
500214	SDT05-19.0-19.9-H-XP25	190	100	56	18.0-19.9	25	M3*7.5	T10	
500216	SDT05-20.0-21.9-H-XP25	200	110	56	20.0-21.9	25	M3*7.5	T10	
500218	SDT05-22.0-23.9-H-XP25	210	120	56	22.0-23.9	25	M3*9	T10	
500220	SDT05-24.0-25.9-H-XP25	220	130	56	24.0-25.9	25	M3*9	T10	
500222	SDT05-26.0-28.9-H-XP32	245	145	60	26.0-28.9	32	M4*10	T15	
500224	SDT05-29.0-31.9-H-XP32	259	160	60	29.0-31.9	32	M4*10	T15	
500226	SDT05-32.0-35.0-H-XP32	275	175	60	32.0-35.0	32	M4*10	T15	

5D莫氏柄铲钻规格 5D Steel Morse Toolholder



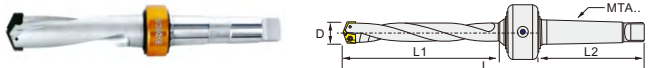
Order	型号 Model	L	L1	L2	D	D1	螺丝 screw	材料 Material	Price
501200	SDS05-09.5-11.0-MT2	203	58	80	9.5-11.0	MT2	M2*5	T6	8063
501202	SDS05-11.1-12.9-MT2	213	68	80	11.1-12.9	MT2	M2*5	T6	8063
501204	SDS05-13.0-15.0-MT2	223	78	80	13.0-15.0	MT2	M2.5*6	T8	8063
501206	SDS05-15.1-17.5-MT2	235	90	80	15.1-17.5	MT2	M2.5*6	T8	8313
501208	SDS05-17.6-19.5-MT3	265	100	99	17.6-19.5	MT3	M3*8	T10	9094
501210	SDS05-19.6-21.5-MT3	275	110	99	19.6-21.5	MT3	M3*8	T10	9094
501212	SDS05-21.6-24.4-MT3	290	125	99	21.6-24.4	MT3	M3*8	T10	9094
501214	SDS05-24.5-26.5-MT4	337	135	124	24.5-26.5	MT4	M3.5*10	T15	10031
501216	SDS05-26.6-28.5-MT4	347	145	124	26.6-28.5	MT4	M3.5*10	T15	10031
501218	SDS05-28.6-30.5-MT4	357	155	124	28.6-30.5	MT4	M3.5*10	T15	10438
501220	SDS05-30.6-32.5-MT4	367	165	124	30.6-32.5	MT4	M3.5*10	T15	10438
501222	SDS05-32.6-34.9-MT4	380	178	124	32.6-34.9	MT4	M3.5*10	T15	10438
501224	SDS05-35.0-37.9-MT5	436	192	156	35.0-37.9	MT5	M3.5*10	T15	11594
501226	SDS05-38.0-40.9-MT5	452	208	156	38.0-40.9	MT5	M3.5*10	T15	11594
501228	SDS05-41.0-43.9-MT5	466	222	156	41.0-43.9	MT5	M3.5*10	T15	12063
501230	SDS05-44.0-47.9-MT5	486	242	156	44.0-47.9	MT5	M3.5*10	T15	12625
501232	SDS05-48.0-51.9-MT5	506	262	156	48.0-51.9	MT5	M5*15	T20	13281
501234	SDS05-52.0-55.9-MT5	526	282	156	52.0-55.9	MT5	M5*15	T20	13969
501236	SDS05-56.0-59.9-MT5	546	302	156	56.0-59.9	MT5	M5*15	T20	14688
501238	SDS05 60.0-65.0-MT5	572	328	156	60.0-65.0	MT5	M5*15	T20	15406

7D直槽侧固柄 7D Straight Groove Side Fixing Carbide Toolholder



Order	型号 Model	L	L1	L2	D	D1	螺丝 screw	材料 Material	Price
500300	SDT07-11.0-11.9-H-XP20	160	84	48	11.0-11.9	20	M1.8*4.5	T6	
500302	SDT07-12.0-12.9-H-XP20	168	91	48	12.0-12.9	20	M2*5	T6	
500304	SDT07-13.0-13.9-H-XP20	174	98	48	13.0-13.9	20	M2*5	T6	
500306	SDT07-14.0-14.9-H-XP20	182	105	48	14.0-14.9	20	M2*5	T6	
500308	SDT07-15.0-15.9-H-XP20	190	112	48	15.0-15.9	20	M2*5	T6	
500310	SDT07-16.0-16.9-H-XP20	198	119	48	16.0-16.9	20	M2.5*6	T8	
500312	SDT07-17.0-17.9-H-XP20	206	126	48	17.0-17.9	20	M2.5*7	T8	
500314	SDT07-18.0-19.9-H-XP25	230	140	56	18.0-19.9	25	M3*7.5	T10	
500316	SDT07-20.0-21.9-H-XP25	244	154	56	20.0-21.9	25	M3*7.5	T10	
500318	SDT07-22.0-23.9-H-XP25	258	168	56	22.0-23.9	25	M3*9	T10	
500320	SDT07-24.0-25.9-H-XP25	272	182	56	24.0-25.9	25	M3*9	T10	
500322	SDT07-26.0-28.9-H-XP32	303	203	60	26.0-28.9	32	M4*10	T15	
500324	SDT07-29.0-31.9-H-XP32	323	224	60	29.0-31.9	32	M4*10	T15	
500326	SDT07-32.0-35.0-H-XP32	345	245	60	32.0-35.0	32	M4*10	T15	

7D莫氏柄铲钻规格 7D Steel Morse Toolholder



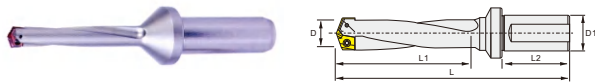
Order	型号 Model	L	L1	L2	D	D1	螺丝 screw	材料 Material	Price
501300	SDS07-09.5-11.0-MT2	225	80	80	9.5-11.0	MT2	M2*5	T6	9625
501302	SDS07-11.1-12.9-MT2	238	93	80	11.1-12.9	MT2	M2*5	T6	9625
501304	SDS07-13.0-15.0-MT2	253	108	80	13.0-15.0	MT2	M2.5*6	T8	9625
501306	SDS07-15.1-17.5-MT2	270	125	80	15.1-17.5	MT2	M2.5*6	T8	9906
501308	SDS07-17.6-19.5-MT3	304	139	99	17.6-19.5	MT3	M3*8	T10	10750
501310	SDS07-19.6-21.5-MT3	318	153	99	19.6-21.5	MT3	M3*8	T10	10750
501312	SDS07-21.6-24.4-MT3	338	173	99	21.6-24.4	MT3	M3*8	T10	10750
501314	SDS07-24.5-26.5-MT4	390	188	124	24.5-26.5	MT4	M3.5*10	T15	11750
501316	SDS07-26.6-28.5-MT4	404	202	124	26.6-28.5	MT4	M3.5*10	T15	11750
501318	SDS07-28.6-30.5-MT4	418	216	124	28.6-30.5	MT4	M3.5*10	T15	12281
501320	SDS07-30.6-32.5-MT4	432	230	124	30.6-32.5	MT4	M3.5*10	T15	12281
501322	SDS07-32.6-34.9-MT4	449	247	124	32.6-34.9	MT4	M3.5*10	T15	12281
501324	SDS07-35.0-37.9-MT5	512	268	156	35.0-37.9	MT5	M3.5*10	T15	13500
501326	SDS07-38.0-40.9-MT5	533	289	156	38.0-40.9	MT5	M3.5*10	T15	13500
501328	SDS07-41.0-43.9-MT5	554	310	156	41.0-43.9	MT5	M3.5*10	T15	14094
501330	SDS07-44.0-47.9-MT5	582	338	156	44.0-47.9	MT5	M3.5*10	T15	14781
501332	SDS07-48.0-51.9-MT5	610	366	156	48.0-51.9	MT5	M5*15	T20	15594
501334	SDS07-52.0-55.9-MT5	638	394	156	52.0-55.9	MT5	M5*15	T20	16469
501336	SDS07-56.0-59.9-MT5	666	422	156	56.0-59.9	MT5	M5*15	T20	17344
501338	SDS07-60.0								

铲钻 深孔加工

Shovel drilling Deep hole processing

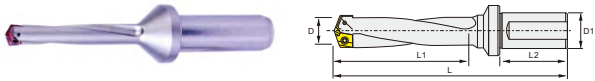
高速钢铲钻刀杆

3D侧固柄铲钻规格 3D Steel Side Fixing Toolholder



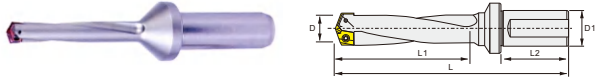
Order	型号 Model	L	L1	L2	D	D1	螺丝 screw	扳手 Wrench	Price
502100	SDS03-09.5-11.0-P20	106	36	48	9.5-11.0	20	M2*5	T6	5375
502102	SDS03-11.1-12.9-P20	112	42	48	11.1-12.9	20	M2*5	T6	5375
502104	SDS03-13.0-15.0-P20	118	48	48	13.0-15.0	20	M2.5*6	T8	5375
502106	SDS03-15.1-17.5-P20	125	55	48	15.1-17.5	20	M2.5*6	T8	5563
502108	SDS03-17.6-19.5-P25	140	61	56	17.6-19.5	25	M3*8	T10	5781
502110	SDS03-19.6-21.5-P25	146	67	56	19.6-21.5	25	M3*8	T10	5781
502112	SDS03-21.6-24.4-P25	155	76	56	21.6-24.4	25	M3*8	T10	5781
502114	SDS03-24.5-26.5-P32	170	82	60	24.5-26.5	32	M3.5*10	T15	5969
502116	SDS03-26.6-28.5-P32	176	88	60	26.6-28.5	32	M3.5*10	T15	5969
502118	SDS03-28.6-30.5-P32	182	94	60	28.6-30.5	32	M3.5*10	T15	6313
502120	SDS03-30.6-32.5-P32	188	100	60	30.6-32.5	32	M3.5*10	T15	6313
502122	SDS03-32.6-34.9-P32	195	107	60	32.6-34.9	32	M3.5*10	T15	6313
502124	SDS03-35.0-37.9-P32	206	116	60	35.0-37.9	32	M3.5*10	T15	6656
502126	SDS03-38.0-40.9-P32	215	125	60	38.0-40.9	32	M3.5*10	T15	6656
502128	SDS03-41.0-43.9-P40	232	134	65	41.0-43.9	40	M3.5*10	T15	7094
502130	SDS03-44.0-47.9-P40	244	146	65	44.0-47.9	40	M3.5*10	T15	7563
502132	SDS03-48.0-51.9-P40	256	158	65	48.0-51.9	40	M5*15	T20	8125
502134	SDS03-52.0-55.9-P40	268	170	65	52.0-55.9	40	M5*15	T20	8719
502136	SDS03-56.0-59.9-P40	280	182	65	56.0-59.9	40	M5*15	T20	9344
502138	SDS03 60.0-65.0-P40	296	198	65	60.0-65.0	40	M5*15	T20	9969

5D侧固柄铲钻规格 5D Steel Side Fixing Toolholder

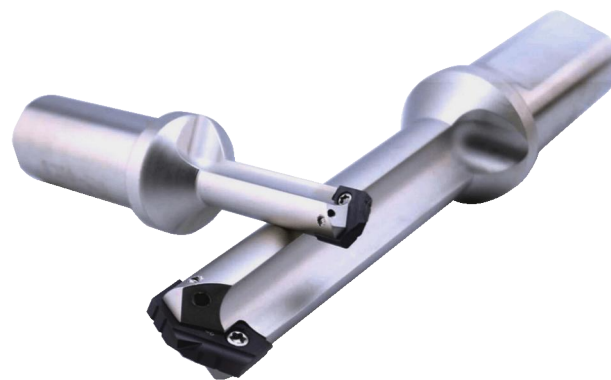


Order	型号 Model	L	L1	L2	D	D1	螺丝 screw	扳手 Wrench	Price
502200	SDS05-09.5-11.0-P20	128	58	48	9.5-11.0	20	M2*5	T6	6156
502202	SDS05-11.1-12.9-P20	138	68	48	11.1-12.9	20	M2*5	T6	6156
502204	SDS05-13.0-15.0-P20	148	78	48	13.0-15.0	20	M2.5*6	T8	6156
502206	SDS05-15.1-17.5-P20	160	90	48	15.1-17.5	20	M2.5*6	T8	6406
502208	SDS05-17.6-19.5-P25	179	100	56	17.6-19.5	25	M3*8	T10	6625
502210	SDS05-19.6-21.5-P25	189	110	56	19.6-21.5	25	M3*8	T10	6625
502212	SDS05-21.6-24.4-P25	204	125	56	21.6-24.4	25	M3*8	T10	6625
502214	SDS05-24.5-26.5-P32	223	135	60	24.5-26.5	32	M3.5*10	T15	6875
502216	SDS05-26.6-28.5-P32	233	145	60	26.6-28.5	32	M3.5*10	T15	6875
502218	SDS05-28.6-30.5-P32	243	155	60	28.6-30.5	32	M3.5*10	T15	7281
502220	SDS05-30.6-32.5-P32	253	165	60	30.6-32.5	32	M3.5*10	T15	7281
502222	SDS05-32.6-34.9-P32	266	178	60	32.6-34.9	32	M3.5*10	T15	7281
502224	SDS05-35.0-37.9-P32	282	192	60	35.0-37.9	32	M3.5*10	T15	7656
502226	SDS05-38.0-40.9-P32	298	208	60	38.0-40.9	32	M3.5*10	T15	7656
502228	SDS05-41.0-43.9-P40	320	222	65	41.0-43.9	40	M3.5*10	T15	8156
502230	SDS05-44.0-47.9-P40	332	242	65	44.0-47.9	40	M3.5*10	T15	8688
502232	SDS05-48.0-51.9-P40	352	262	65	48.0-51.9	40	M5*15	T20	9344
502234	SDS05-52.0-55.9-P40	372	282	65	52.0-55.9	40	M5*15	T20	10031
502236	SDS05-56.0-59.9-P40	392	302	65	56.0-59.9	40	M5*15	T20	10750
502238	SDS05 60.0-65.0-P40	426	328	65	60.0-65.0	40	M5*15	T20	11469

7D侧固柄铲钻规格 7D Steel Side Fixing Toolholder



Order	型号 Model	L	L1	L2	D	D1	螺丝 screw	扳手 Wrench	Price
502300	SDS07-09.5-11.0-P20	150	80	48	9.5-11.0	20	M2*5	T6	7688
502302	SDS07-11.1-12.9-P20	163	93	48	11.1-12.9	20	M2*5	T6	7688
502304	SDS07-13.0-15.0-P20	178	108	48	13.0-15.0	20	M2.5*6	T8	7688
502306	SDS07-15.1-17.5-P20	195	125	48	15.1-17.5	20	M2.5*6	T8	7969
502308	SDS07-17.6-19.5-P25	218	139	56	17.6-19.5	25	M3*8	T10	8281
502310	SDS07-19.6-21.5-P25	232	153	56	19.6-21.5	25	M3*8	T10	8281
502312	SDS07-21.6-24.4-P25	252	173	56	21.6-24.4	25	M3*8	T10	8281
502314	SDS07-24.5-26.5-P32	276	188	60	24.5-26.5	32	M3.5*10	T15	8594
502316	SDS07-26.6-28.5-P32	290	202	60	26.6-28.5	32	M3.5*10	T15	8594
502318	SDS07-28.6-30.5-P32	304	216	60	28.6-30.5	32	M3.5*10	T15	9094
502320	SDS07-30.6-32.5-P32	318	230	60	30.6-32.5	32	M3.5*10	T15	9094
502322	SDS07-32.6-34.9-P32	335	247	60	32.6-34.9	32	M3.5*10	T15	9094
502324	SDS07-35.0-37.9-P32	358	268	60	35.0-37.9	32	M3.5*10	T15	9594
502326	SDS07-38.0-40.9-P32	379	289	60	38.0-40.9	32	M3.5*10	T15	9594
502328	SDS07-41.0-43.9-P40	408	310	65	41.0-43.9	40	M3.5*10	T15	10188
502330	SDS07-44.0-47.9-P40	436	338	65	44.0-47.9	40	M3.5*10	T15	10875
502332	SDS07-48.0-51.9-P40	364	366	65	48.0-51.9	40	M5*15	T20	11688
502334	SDS07-52.0-55.9-P40	492	394	65	52.0-55.9	40	M5*15	T20	12531
502336	SDS07-56.0-59.9-P40	520	422	65	56.0-59.9	40	M5*15	T20	13438
502338	SDS07 60.0-65.0-P40	556	458	65	60.0-65.0	40	M5*15	T20	14344



铲钻刀片规格

CZDP..

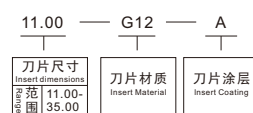
硬质合金刀片规格 Carbide Insert

11.00-G12-A	11.50-G12-A	12.00-G12-A	12.50-G12-A	13.00-G12-A	13.50-G12-A	14.00-G12-A	14.50-G12-A	15.00-G12-A
15.50-G12-A	16.00-G12-A	16.50-G12-A	17.00-G12-A	17.50-G12-A	18.00-G12-A	18.50-G12-A	19.00-G12-A	19.50-G12-A
20.00-G12-A	20.50-G12-A	21.00-G12-A	21.50-G12-A	22.00-G12-A	22.50-G12-A	23.00-G12-A	23.50-G12-A	24.00-G12-A
24.50-G12-A	25.00-G12-A	25.50-G12-A	26.00-G12-A	26.50-G12-A	27.00-G12-A	27.50-G12-A	28.00-G12-A	28.50-G12-A
29.00-G12-A	29.50-G12-A	30.00-G12-A	30.50-G12-A	31.00-G12-A	31.50-G12-A	32.00-G12-A	32.50-G12-A	33.00-G12-A
33.50-G12-A	34.00-G12-A	34.50-G12-A	35.00-G12-A					

高速钢刀片规格 HSS Insert

9.00-M42-A	9.50-M42-A	10.00-M42-A	10.50-M42-A	11.00-M42-A	11.50-M42-A	12.00-M42-A	12.50-M42-A	13.00-M42-A
13.50-M42-A	14.00-M42-A	14.50-M42-A	15.00-M42-A	15.50-M42-A	16.00-M42-A	16.50-M42-A	17.00-M42-A	17.50-M42-A
18.00-M42-A	18.50-M42-A	19.00-M42-A	19.50-M42-A	20.00-M42-A	20.50-M42-A	21.00-M42-A	21.50-M42-A	22.00-M42-A
22.50-M42-A	23.00-M42-A	23.50-M42-A	24.00-M42-A	24.50-M42-A	25.00-M42-A	25.50-M42-A	26.00-M42-A	26.50-M42-A
27.00-M42-A	27.50-M42-A	28.00-M42-A	28.50-M42-A	29.00-M42-A	29.50-M42-A	30.00-M42-A	30.50-M42-A	31.00-M42-A
31.50-M42-A	32.00-M42-A	32.50-M42-A	33.00-M42-A	33.50-M42-A	34.00-M42-A	34.50-M42-A	35.00-M42-A	35.50-M42-A
36.00-M42-A	36.50-M42-A	37.00-M42-A	37.50-M42-A	38.00-M42-A	38.50-M42-A	39.00-M42-A	39.50-M42-A	40.00-M42-A
40.50-M42-A	41.00-M42-A	41.50-M42-A	42.00-M42-A	42.50-M42-A	43.00-M42-A	43.50-M42-A	44.00-M42-A	44.50-M42-A
45.00-M42-A	45.50-M42-A	46.00-M42-A	46.50-M42-A	47.00-M42-A	47.50-M42-A	48.00-M42-A	48.50-M42-A	49.00-M42-A
49.50-M42-A	49.50-M42-A	50.00-M42-A	51.00-M42-A	51.50-M42-A	52.00-M42-A	52.50-M42-A	53.00-M42-A	53.50-M42-A
54.00-M42-A	54.00-M42-A	55.00-M42-A	55.50-M42-A	56.00-M42-A	56.50-M42-A	57.00-M42-A	57.50-M42-A	58.00-M42-A
58.50-M42-A	58.50-M42-A	59.00-M42-A	60.00-M42-A	60.50-M42-A	61.00-M42-A	62.50-M42-A	63.00-M42-A	63.50-M42-A
64.00-M42-A	64.00-M42-A	65.00-M42-A						

刀片命名规则 Inserts naming rules



刀片涂层 Insert Material

No Coating	没有涂层
T-TIN	氮化钛
C-TIALN	氮化钛
A-TIALN	氮化铝

刀片材质 Insert Material

M4-HSS M4	高速钢M4
M42-HSS M42	含钴8%的高性能高速钢
S40-SKH40	粉末冶金高速钢
G12-G12×F	硬质合金

铲钻刀杆命名规则 Nomenclature of drill shank



快速
钻孔

镗孔
加工
系统

钻头

铰刀

快速
钻头

铲钻

定心
钻头

VMD
大钻头

钻尖

空心
钻头

油路
配件

LBK
BST
镗孔
刀柄

HBOR
CBI
CBH
精镗
系统

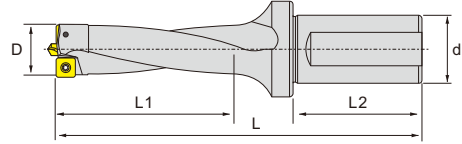
NBJ
NBH
镗孔
套装

TWE
RBH
粗镗
系统

钻头

铰刀

SP型带定心快速钻头 SP Type Centering Fast Drilling Bit



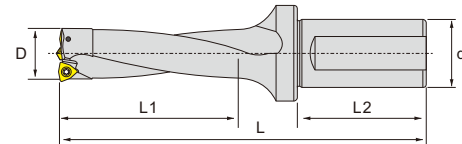
6倍快速钻头-SP刀片 L1=6xD Centering Fast Drill - SP Type

编码 Order	型号 Model	L1	L2	L	D	d	刀片 Inserts	螺丝 Screw	扳手 Wrench	定心钻 Drill Bit	单价 Price
505435	ZD06- 18.0-XP25-SP05H06	112	56	198	18.0		SPMG 0502..	M2.0x4	T6	PLD- 0620TIN	
505436	18.5-XP25-SP05H06	115	56	201	18.5						
505437	19.0-XP25-SP05H06	118	56	204	19.0						
505438	19.5-XP25-SP05H06	121	56	207	19.5		SPMG 0602..	M2.2x5	T6	PLD- 0620TIN	
505439	20.0-XP25-SP06H06	124	56	210	20.0						
505440	20.5-XP25-SP06H06	127	56	213	20.5						
505441	21.0-XP25-SP06H06	130	56	216	21.0						
505442	21.5-XP25-SP06H06	133	56	219	21.5						
505443	22.0-XP25-SP06H06	136	56	222	22.0						
505444	22.5-XP25-SP06H06	139	56	225	22.5						
505445	23.0-XP25-SP06H06	142	56	228	23.0						
505446	23.5-XP25-SP06H06	145	56	231	23.5						
505447	24.0-XP25-SP06H06	148	56	234	24.0						
505448	24.5-XP25-SP06H06	151	56	237	24.5						
505449	25.0-XP25-SP06H06	154	56	240	25.0		SPMG 07T3..	M2.5x6	T8	PLD- 0825TIN	
505450	ZD06- 25.5-XP32-SP07H08	157	60	252	25.5						
505451	26.0-XP32-SP07H08	160	60	255	26.0						
505452	26.5-XP32-SP07H08	163	60	258	26.5						
505453	27.0-XP32-SP07H08	166	60	261	27.0						
505454	27.5-XP32-SP07H08	169	60	264	27.5						
505455	28.0-XP32-SP07H08	172	60	267	28.0						
505456	28.5-XP32-SP07H08	175	60	270	28.5						
505457	29.0-XP32-SP07H08	178	60	273	29.0						
505458	29.5-XP32-SP07H08	181	60	276	29.5						
505459	30.0-XP32-SP07H08	184	60	279	30.0						

8倍快速钻头-SP刀片 L1=8xD Centering Fast Drill - SP Type

编码 Order	型号 Model	L1	L2	L	D	d	刀片 Inserts	螺丝 Screw	扳手 Wrench	定心钻 Drill Bit	单价 Price
505460	ZD08- 18.0-XP25-SP05H06	149	56	235	18.0		SPMG 0502..	M2.0x4	T6	PLD- 0620TIN	
505461	18.5-XP25-SP05H06	153	56	239	18.5						
505462	19.0-XP25-SP05H06	157	56	243	19.0						
505463	19.5-XP25-SP05H06	161	56	247	19.5		SPMG 0602..	M2.2x5	T6	PLD- 0620TIN	
505464	20.0-XP25-SP06H06	165	56	251	20.0						
505465	20.5-XP25-SP06H06	169	56	255	20.5						
505466	21.0-XP25-SP06H06	173	56	259	21.0						
505467	21.5-XP25-SP06H06	177	56	263	21.5						
505468	22.0-XP25-SP06H06	181	56	267	22.0						
505469	22.5-XP25-SP06H06	185	56	271	22.5						
505470	23.0-XP25-SP06H06	189	56	275	23.0						
505471	23.5-XP25-SP06H06	193	56	279	23.5						
505472	24.0-XP25-SP06H06	197	56	283	24.0						
505473	24.5-XP25-SP06H06	201	56	287	24.5						
505474	25.0-XP25-SP06H06	205	56	291	25.0		SPMG 07T3..	M2.5x6	T8	PLD- 0825TIN	
505475	ZD08- 25.5-XP32-SP07H08	209	60	304	25.5						
505476	26.0-XP32-SP07H08	213	60	308	26.0						
505477	26.5-XP32-SP07H08	217	60	312	26.5						
505478	27.0-XP32-SP07H08	221	60	316	27.0						
505479	27.5-XP32-SP07H08	225	60	320	27.5						
505480	28.0-XP32-SP07H08	229	60	324	28.0						
505481	28.5-XP32-SP07H08	233	60	328	28.5						
505482	29.0-XP32-SP07H08	237	60	332	29.0						
505483	29.5-XP32-SP07H08	241	60	336	29.5						
505484	30.0-XP32-SP07H08	245	60	340	30.0						

WC型带定心快速钻头 WC Type Centering Fast Drilling Bit



5倍快速钻头-WC刀片 L1=5xD Centering Fast Drill - WC Type

编码 Order	型号 Model	L1	L2	L	D	d	刀片 Inserts	螺丝 Screw	扳手 Wrench	定心钻 Drill Bit	单价 Price
505485	ZD05- 25.0-XP32-WC03H06	150	60	240	25.0		WCMX03..	M2.5x5	T8	PLD- 0620TIN	
505486	ZD05- 26.0-XP32-WC04H06	150	60	240	26.0						
505487	27.0-XP32-WC04H06	150	60	240	27.0						
505488	28.0-XP32-WC04H06	150	60	240	28.0		WCMX04..	M2.5x6	T8	PLD- 0620TIN	
505489	29.0-XP32-WC04H06	150	60	240	29.0						
505490	30.0-XP32-WC04H06	150	60	240	30.0						
505491	31.0-XP32-WC04H06	175	60	265	31.0						
505492	ZD05- 32.0-XP32-WC05H08	175	60	265	32.0		WCMX05..	M3.0x7	T10	PLD- 0825TIN	
505493	33.0-XP32-WC05H08	175	60	265	33.0						
505494	34.0-XP32-WC05H08	175	60	265	34.0						
505495	35.0-XP32-WC05H08	175	60	265	35.0						
505496	36.0-XP32-WC05H08	200	60	290	36.0						
505497	37.0-XP32-WC05H08	200	60	290	37.0						
505498	38.0-XP32-WC05H08	200	60	290	38.0						
505499	39.0-XP32-WC05H08	200	60	290	39.0						
505500	40.0-XP32-WC05H08	200	60	290	40.0						

6.5倍快速钻头-WC刀片 L1=6.5xD Centering Fast Drill - WC Type

编码 Order	型号 Model	L1	L2	L	D	d	刀片 Inserts	螺丝 Screw	扳手 Wrench	定心钻 Drill Bit	单价 Price
505521	ZD6.5- 25.0-XP32-WC03H06	185	60	275	25.0		WCMX03..	M2.5x5	T8	PLD- 0620TIN	
505522	ZD6.5- 26.0-XP32-WC04H06	185	60	275	26.0						
505523	27.0-XP32-WC04H06	185	60	275	27.0						
505524	28.0-XP32-WC04H06	185	60	275	28.0		WCMX04..	M2.5x6	T8	PLD- 0620TIN	
505525	29.0-XP32-WC04H06	185	60	275	29.0						
505526	30.0-XP32-WC04H06	185	60	275	30.0						
505527	31.0-XP32-WC04H06	218	60	308	31.0						
505528	ZD6.5- 32.0-XP32-WC05H08	218	60	308	32.0		WCMX05..	M3.0x7	T10	PLD- 0825TIN	
505529	33.0-XP32-WC05H08	218	60	308	33.0						
505530	34.0-XP32-WC05H08	218	60	308	34.0						
505531	35.0-XP32-WC05H08	218	60	308	35.0						
505532	36.0-XP32-WC05H08	250	60	340	36.0						
505533	37.0-XP32-WC05H08	250	60	340	37.0						
505534	38.0-XP32-WC05H08	250	60	340	38.0						
505535	39.0-XP32-WC05H08	250	60	340	39.0						
505536	40.0-XP32-WC05H08	250	60	340	40.0						

8倍快速钻头-WC刀片 L1=8xD Centering Fast Drill - WC Type

编码 Order	型号 Model	L1	L2	L	D	d	刀片 Inserts	螺丝 Screw	扳手 Wrench	定心钻 Drill Bit	单价 Price
505537	ZD08- 25.0-XP32-WC03H06	220	60	310	25.0		WCMX03..	M2.5x5	T8	PLD- 0620TIN	
505538	ZD08- 26.0-XP32-WC04H06	220	60	310	26.0						
505539	27.0-XP32-WC04H06	220	60	310	27.0						
505540	28.0-XP32-WC04H06	220	60	310	28.0		WCMX04..	M2.5x6	T8	PLD- 0620TIN	
505541	29.0-XP32-WC04H06	220	60	310	29.0						
505542	30.0-XP32-WC04H06	220	60	310	30.0						
505543	31.0-XP32-WC04H06	260	60	350	31.0						
505544	ZD08- 32.0-XP32-WC05H08	260	60	350	32.0		WCMX05..	M3.0x7	T10	PLD- 0825TIN	
505545	33.0-XP32-WC05H08	260	60	350	33.0						
505546	34.0-XP32-WC05H08	260	60	350	34.0						
505547	35.0-XP32-WC05H08	260	60	350	35.0						
505548	36.0-XP32-WC05H08	300	60	390	36.0						
505549	37.0-XP32-WC05H08	300	60	390	37.0						
505550	38.0-XP32-WC05H08	300	60	390	38.0						
505551	39.0-XP32-WC05H08	300	60	390	39.0						
505552	40.0-XP32-WC05H08	300	60	390	40.0						

快速
钻孔

镗孔
加工
系统

钻头

铰刀

快速
钻头

铲齿

定心
钻头

VMD
大钻头

钻尖

空心
钻头

油路
配件

LBK
BST
镗孔
刀柄

HBOR
CBI
CBH
精镗
系统

NBJ
NBH
镗孔
套装

TWE
RBH
粗镗
系统

钻头

铰刀

定心钻头/VMD大钻头

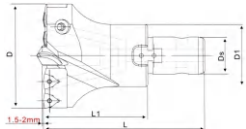
Centering Drilling bit VMD Big Drilling bit

VMD小刀夹



Order	型号	内刀	外刀	刀片	刀刃数	螺丝	扳手	Price
506100	45-50	VNC-045050N	VMC-045050T	WC. .030204	2	M2.5x5	T8	1125
506102	50-55	VNC-050055N	VMC-050055T					1125
506104	55-60	VNC-055060N	VMC-055060T	WC. .040204	2	M2.5x6		1125
506106	60-65	VNC-060065N	VMC-060065T					1250
506108	65-70	VNC-065070N	VMC-065070T	WC. .050308	2	M3.0x7	T10	1250
506110	70-75	VNC-070075N	VMC-070075T					1250
506112	75-80	VNC-075080N	VMC-075080T					1563
506114	80-85	VNC-080085N	VMC-080085T					1563
506116	85-90	VNC-085090N	VMC-085090T	WC. .06T308	2	M3.5x8	T15	1563
506118	90-95	VNC-090095N	VMC-090095T					1563
506120	95-100	VNC-095100N	VMC-095100T					1875
506122	100-105	VNC-100105N	VMC-100105T	WC. .050308	3	M3.0x7	T10	1875
506124	105-110	VNC-105110N	VMC-105110T					1875
506126	110-115	VNC-110115N	VMC-110115T					1875
506128	115-120	VNC-115120N	VMC-115120T					1875
506130	120-125	VNC-120125N	VMC-120125T	WC. .06T308	3	M3.5x8		1875
506132	125-130	VNC-125130N	VMC-125130T					1875
506134	130-135	VNC-130135N	VMC-130135T					1875
506136	135-140	VNC-135140N	VMC-135140T					2500
506138	140-150	VNC-140150N	VMC-140150T					2500
506140	150-160	VNC-150160N	VMC-150160T					2500
506142	160-170	VNC-160170N	VMC-160170T	WC. .080408	3	M4.0x10		3125
506144	170-180	VNC-170180N	VMC-170180T					3125

VMD大钻头



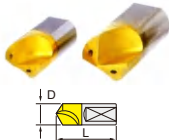
Order	型号	D	Ds	D1	导向钻D2	L	L1	刀夹	适用刀片	螺丝	扳手	Price
506200	VMD-045050	45-50	16	30	PLS-1035 TIN-H	60	95	VMC-045050NT	WCMX030208	M2.5x5	T8	7875
506202	VMD-050055	50-55						VMC-050055NT				7875
506204	VMD-055060	55-60						VMC-055060NT	WCMX040208			7875
506206	VMD-060065	60-65			PLS-1238 TIN-H	127		VMC-060065NT	WCMX050308	M3.0x7		8938
506208	VMD-065070	65-70	25	45				VMC-065070NT				9500
506210	VMD-070075	70-75						VMC-070075NT				10626
506212	VMD-075080	75-80			PLS-1645 TIN-H	82		VMC-075080NT	WCMX06T308	M3.5x8	T15	11313
506214	VMD-080085	80-85						VMC-080085NT				11938
506216	VMD-085090	85-90						VMC-085090NT				12625
506218	VMD-090095	90-95	30	50				VMC-090095NT				14438
506220	VMD-095100	95-100						VMC-095100NT	WCMX050308	M3.0x7	T8	15313
506222	VMD-100105	100-105			PLS-2045 TIN-H	94		VMC-100105NT				16225
506224	VMD-105110	105-110	32	58				VMC-105110NT				17125
506226	VMD-110115	110-115						VMC-110115NT				17875
506228	VMD-115120	115-120						VMC-115120NT				18625
506230	VMD-120125	120-125						VMC-120125NT	WCMX06T308	M3.5x8		21969
506232	VMD-125130	125-130	40	70		104	154	VMC-125130NT				22525
506234	VMD-130135	130-135						VMC-130135NT				23531
506236	VMD-135140	135-140						VMC-135140NT				24688
506238	VMD-140145	140-145			PLS-2556 TIN-H	116	176	VMC-140145NT				25625
506240	VMD-145150	145-150						VMC-145150NT				26531
506242	VMD-150155	150-155						VMC-150155NT				27500
506244	VMD-155160	155-160						VMC-155160NT				28531
506246	VMD-160165	160-165	50	80				VMC-160165NT				29531
506248	VMD-165170	165-170						VMC-165170NT	WCMX080408	M4.0x10		30531
506250	VMD-170175	170-175						VMC-170175NT				31531
506252	VMD-175180	175-180						VMC-175180NT				32531

VMD连接杆



Order	型号	D	D1	D2	L	L1	M	适用范围	Price
506300	DX2-3016100	30	16	32	100	75	M10X1	Ø45-Ø55	2188
506302	DX2-3013150	30	16	32	150	75	M10X1		2188
506304	DX2-3016200	30	16	32	200	75	M10X1		2500
506306	DX2-3016250	30	16	32	250	75	M10X1	Ø60-Ø80	2800
506308	DX2-3016300	30	16	32	300	75	M10X1		3100
506310	DX2-3016400	30	16	32	400	75	M10X1		3400
506312	DX2-4525100	45	25	40	100	75	M10X1	Ø85-Ø95	2500
506314	DX2-4525150	45	25	40	150	75	M10X1		2500
506316	DX2-4525200	45	25	40	200	75	M10X1		2813
506318	DX2-4525250	45	25	40	250	75	M10X1	Ø100-Ø110	3125
506320	DX2-4525300	45	25	40	300	75	M10X1		3438
506322	DX2-4525400	45	25	40	400	75	M10X1		3750
506324	DX2-5030100	50	30	40	100	75	M12X1	Ø115-Ø135	3125
506326	DX2-5030150	50	30	40	150	75	M12X1		3438
506328	DX2-5030200	50	30	40	200	75	M12X1		3750
506330	DX2-5030250	50	30	40	250	75	M12X1	Ø140-Ø195	3750
506332	DX2-5030300	50	30	40	300	75	M12X1		3950
506334	DX2-5030400	50	30	40	400	75	M12X1		4063
506336	DX2-5832100	58	32	40	100	75	M12X1	Ø115-Ø135	3750
506338	DX2-5832150	58	32	40	150	75	M12X1		4063
506340	DX2-5832200	58	32	40	200	75	M12X1		4375
506342	DX2-5832250	58	32	40	250	75	M12X1	Ø115-Ø135	4600
506344	DX2-5832300	58	32	40	300	75	M12X1		4900
506346	DX2-5832400	58	32	40	400	75	M12X1		5000
506348	DX2-7040100	70	40	50	100	80	M12X1	Ø115-Ø135	5000
506350	DX2-7040150	70	40	50	150	80	M12X1		5625
506352	DX2-7040200	70	40	50	200	80	M12X1		5625
506354	DX2-7040250	70	40	50	250	80	M12X1	Ø140-Ø195	6250
506356	DX2-7040300	70	40	50	300	80	M12X1		6250
506358	DX2-7040400	70	40	50	400	80	M12X1		7500
506360	DX2-8050100	80	50	50	100	80	M12X1	Ø140-Ø195	6250
506362	DX2-8050150	80	50	50	150	80	M12X1		6875
506364	DX2-8050200	80	50	50	200	80	M12X1		7500
506366	DX2-8050250	80	50	50	250	80	M12X1	Ø140-Ø195	8125
506368	DX2-8050300	80	50	50	300	80	M12X1		8125
506370	DX2-8050400	80	50	50	400	80	M12X1		9375

定心钻



Order	型号	D	L	Price
506401	PLD-0620 TIN	6	30	600
506403	PLD-0825 TIN	8	35	600
506400	PLD-V1035 TIN-H	10	35	769
506402	PLD-V1238 TIN-H	12	38	988
506404	PLD-V1645 TIN-H	16	45	1125
506406	PLD-2045 TIN-H	20	56	1625
506408	PLD-2556 TIN-H	25	56	2100
506410	PLD-3068 TIN-H	30	68	2800

VMD可转位大钻头大幅提高加工效率



工艺	工艺过程	转速	进给	加工时间	总用时
传统工艺	①Ø60麻花钻	80	16	1小时10分钟	150分钟
	②粗镗刀一	200	30	40分钟	
	③粗镗刀二	200	30	40分钟	
新工艺	VMD可转位大钻头Ø105	280	45	18分钟	18分钟

加工Ø105mm孔深550mm. 材料42CrMo, HB220

钻头转速

$$S = \frac{Vc \times 1000}{n \times Dc}$$
 Vc=线速度 100m/min
 Dc=钻头直径
 S=主轴转速
 实例: 以钻头直径φ100为例.

$$S = \frac{100 \times 1000}{3.14 \times 100} = 318 \text{rev/min}$$

进给速度

$$Vf = Fr \times S$$
 Vf=进给速度
 Fr=每转进给量
 S=主轴转速
 实例: 以钻头直径φ100为例, 每转进给量
 0.15mm/rev.

$$Vf = 0.15 \times 318 = 47.7 \text{mm/min}$$

孔加工时间

$$Tc = \frac{H}{V} \times 60$$
 Tc(s)=加工时间
 H=孔的加工深度
 实例: 以钻头直径φ100为例, 孔加工深度
 为100mm.

$$Tc = \frac{100 \times 60}{47.7} = 126 \text{(s)}$$

在石油、煤矿等机械行业中, 大孔加工越来越普遍, 应用VMD可转位大钻头可大幅提高加工效率。VMD可转位大钻头的亮点:

- 一、采用中心导向钻结构, 有较好的定心效果, 从而保证孔位有良好的直线度。
- 二、内外刀刃采用可替换小刀夹结构。在实际使用中, 最易损坏的是外刃刀夹通过替换小刀夹, 避免了整支钻头的报废, 节省了刀具成本。
- 三、通过调整外刀夹, 钻头加工尺寸可以在0-5mm内变动。
- 四、刀头和刀柄采用组合式结构。加工不同孔的深度, 只需更换不同长度的刀柄即可。
- 五、钻头有中心出水孔, 可以较好的冷却刀片, 延长刀片的使用寿命, 同时有利于排屑。
- 六、采用可转位硬质合金刀片切削, 有较高的转速和进给, 孔壁光洁度有大幅提升。
- 七、加工过程中, 铁屑均为断屑状态。没有传统麻花钻的细长缠绕的铁屑, 安全性大大提高。
- 八、加工中, 自动连续进给, 不需要每次退刀回磨, 效率大幅提升。

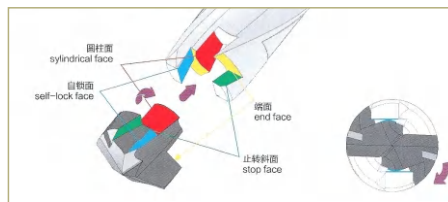
Machining φ105mm depth 550mm, material 42CrMo, HB220

In the oil, coal and other machine industries, as oversized hole machining becomes more and more common, the application of VMD indexable Drill can greatly improve the machining efficiency.

The bright spot of VMD indexable Drill:

- 1 Using the structure of center guide Drill with better centering effect to make sure hole site a good straightness.
- 2 Internal and External cutter edge is applied to the structure of replaceable clamp tool. In practical using, the most vulnerable is external edge clamp. Replacing clamp can avoid the Drill scrapped to save the tool cost.
- 3 Adjusting external clamp, the dimension of Drill machining can vary within 0-5 mm.
- 4 Cutter head and shank are modular structure. Only change different length shank during processing the different depth of the hole.

全新的自锁式装夹方式 New self-locking clamping method



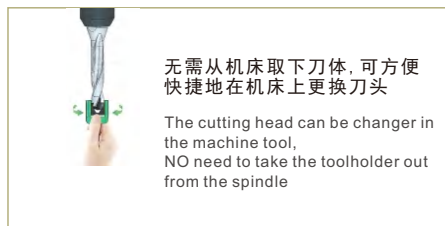
刀头、刀体圆柱配合保证同心度
Centering by cylindrical faces

刀体的弹性变形使刀头拧入后不可回转而自锁
The cutting head can be self-locked with toolholder while inserted due to its

端面承受钻削轴向力
Axial Drill force is transferred to toolholder by end faces

止转斜面承受钻削扭矩
Drill torque is transferred to toolholder by stop faces

可快速更换刀头 No set-up time for changing cutting head



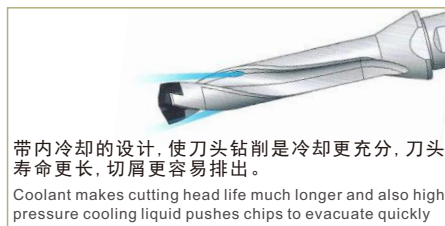
无需从机床取下刀体,可方便快捷地在机床上更换刀头
The cutting head can be changed in the machine tool, NO need to take the toolholder out from the spindle

完美的抛光刀头 Perfect Polished Toolholders



抛光刀头排屑槽,是切屑更容易排出。
Toolholder Flutes Polished Let Chips Evacuate Easily

带内冷却水孔的刀体 Toolholders with coolant

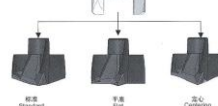


带内冷却的设计,使刀头钻削是冷却更充分,刀头寿命更长,切屑更容易排出。
Coolant makes cutting head life much longer and also high pressure cooling liquid pushes chips to evacuate quickly

三种刀头可供选择 Three Different Cutting Heads are Available



可地选择不同用途的标准,平底,定心刀头。
Standard, flat and self-centering cutting heads are available



增值服务 Resharpener Service

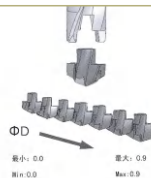
提供刀头返厂重磨服务,为用户进一步减少刀具使用成本。

Supply resharpener cutting head service for customer to cut cast

高互换性,管理更柔性 Interchangeability and Flexibility

同一刀体可装不同尺寸刀头,可减少刀体数量,刀头与刀体完全互换。

Different cutting diameter heads can be fixed into one toolholder so as to reduce the number of toolholder, and cutting heads and toolholders are interchangeable totally



快速钻孔

镗孔加工系统

钻头

铰刀

快速钻头

铲钻

定心钻头

VMD大钻头

钻尖

空心钻头

油路配件

LBK BST 镗孔刀柄

HBOR CBI CBH 精镗系统

NBJ NBH 镗孔套装

TWE RBH 粗镗系统

钻头

铰刀

怎样装刀头 How To Attach Cutting Heads

- 把刀柄装在刀柄上,刀柄装在机床或刀具预设器上,以便安装刀头
Fix Drill holder on arbor for cutting, fix arbor on the machine of Set on tool presetter
- 用压缩空气清洁刀柄
Remove dust using air blast
- 把刀头放进刀槽(戴上手套以防划伤)
put a cutting head into Drill holder. (Use gloves to protect your hand from any danger)
- 轻轻顺时针方向转动(戴上手套以防划伤)
Remove dust using air blast
- 选用合适的扳手
Set the wrench properly
- 确认扳手卡入扳手槽中
Make sure the wrench fits with cutting head's slot for the wrench
- 继续顺时针方向转动,用力转过自锁位直到锁紧为止
Turn the wrench in a clockwise direction slowly, then turn strongly while passing self-locked face until 111 cutting head won't move
- 完成
Complete

怎样卸刀头 How To Detach Cutting Heads

- 用压缩空气清洁刀头
Remove dust from cutting head using air blast
- 选用合适的扳手
Set the wrench properly
- 确认扳手卡入扳手槽中
Fit the wrench to cutting head slot
- 反时针方向转动扳手
Turn the wrench counter clockwise
- 一旦失去自锁,用手转动刀头(戴上手套以防划伤)
Once the self lock is lost, Carefully turn the blade by hand
- 取下刀头(戴上手套以防划伤)
Remove cutting head (use gloves to protect your hand from any danger)

钻头更换判断标准 Indication of Cutting Head Wear

- 磨损极限
Wear Limit
- 功耗
Power Restriction
- 孔径变化大
Diameter Change
- 光洁度急剧变差
Surface Finish Deterioration
- 振动噪音急剧上升
Vibration Noise Drastically Increases

冷却 Coolant

- 推荐使用带内冷却的机床
- 在内冷却的情况下建议钻削不大于3D的孔
- 严禁用于干切削

应用警示 Usage Precautions core deviation

- 车床上钻孔
For Turning
Max. 0.02mm
- 铣床或钻床钻孔
For Drilling
Max. 0.02mm

工件与钻头偏心量不大于0.02毫米
Set Deviation Amount Under 0.02mm between the workpiece and the Drill

禁止使用粗糙的刀柄。刀柄的偏心量不大于0.02毫米
Do not use any arbor with a deformed attachment surface
Center of arbor deviation must be within 0.02mm

应用 Application

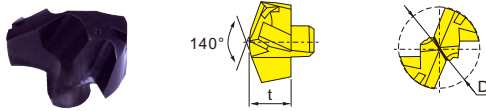
推荐应用 Application Recommendation	工作形态 Work Environment	不推荐应用 Application Not Recommendation	工作形态 Work Environment
平面孔推荐 Flat Face Recommended		重叠孔 禁用 Hole Expansion Not Recommended	
叠板孔 重叠加固可用 Overlapping reinforcement of laminated holes is available		斜面孔 禁用 Slanted Surface Not Recommended	
曲面孔 减少进给量一半可用 Surface hole reduces feed by half available		半边孔 禁用 Half Cylindrical Not Recommended	
管壁孔 过管中心可用 Pipe Material Recommended		型芯孔 禁用 Cored Hole Not Recommended	

钻头+钻杆 高效孔加工

High Efficiency Hole Processing of Drill Point and Drill Pipe

QD...S 标准钻头 Standard Cutting Head

切削参数 (Cutting Parameters): K34



订购编码 Order number	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
QD080S	8.0	5.4	QD080-089-12-...D-..
QD081S	8.1		
QD082S	8.2		
QD083S	8.3		
QD084S	8.4		
QD085S	8.5		
QD086S	8.6		
QD087S	8.7		
QD088S	8.8		
QD089S	8.9		
QD090S	9.0	5.4	QD090-099-12-...D-..
QD091S	9.1		
QD092S	9.2		
QD093S	9.3		
QD094S	9.4		
QD095S	9.5		
QD096S	9.6		
QD097S	9.7		
QD098S	9.8		
QD099S	9.9		
QD100S	10.0	5.4	QD100-109-16-...D-..
QD101S	10.1		
QD102S	10.2		
QD103S	10.3		
QD104S	10.4		
QD105S	10.5		
QD106S	10.6		
QD107S	10.7		
QD108S	10.8		
QD109S	10.9		

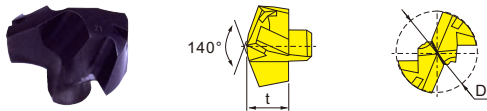
订购编码 Order number	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
QD110S	11.0	6.6	QD110-119-16-...D-..
QD111S	11.1		
QD112S	11.2		
QD113S	11.3		
QD114S	11.4		
QD115S	11.5		
QD116S	11.6		
QD117S	11.7		
QD118S	11.8		
QD119S	11.9		
QD120S	12.0	7.0	QD120-129-16-...D-..
QD121S	12.1		
QD122S	12.2		
QD123S	12.3		
QD124S	12.4		
QD125S	12.5		
QD126S	12.6		
QD127S	12.7		
QD128S	12.8		
QD129S	12.9		
QD130S	13.0	7.6	QD130-139-16-...D-..
QD131S	13.1		
QD132S	13.2		
QD133S	13.3		
QD134S	13.4		
QD135S	13.5		
QD136S	13.6		
QD137S	13.7		
QD138S	13.8		
QD139S	13.9		

订购编码 Order number	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
QD140S	14.0	8.1	QD140-149-16-...D-..
QD141S	14.1		
QD142S	14.2		
QD143S	14.3		
QD144S	14.4		
QD145S	14.5		
QD146S	14.6		
QD147S	14.7		
QD148S	14.8		
QD149S	14.9		
QD150S	15.0	8.7	QD150-159-20-...D-..
QD151S	15.1		
QD152S	15.2		
QD153S	15.3		
QD154S	15.4		
QD155S	15.5		
QD156S	15.6		
QD157S	15.7		
QD158S	15.8		
QD159S	15.9		
QD160S	16.0	9.3	QD160-169-20-...D-..
QD161S	16.1		
QD162S	16.2		
QD163S	16.3		
QD164S	16.4		
QD165S	16.5		
QD166S	16.6		
QD167S	16.7		
QD168S	16.8		
QD169S	16.9		

订购编码 Order number	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
QD170S	17.0	9.9	QD170-179-20-...D-..
QD171S	17.1		
QD172S	17.2		
QD173S	17.3		
QD174S	17.4		
QD175S	17.5		
QD176S	17.6		
QD177S	17.7		
QD178S	17.8		
QD179S	17.9		
QD180S	18.0	10.5	QD180-189-25-...D-..
QD181S	18.1		
QD182S	18.2		
QD183S	18.3		
QD184S	18.4		
QD185S	18.5		
QD186S	18.6		
QD187S	18.7		
QD188S	18.8		
QD189S	18.9		
QD190S	19.0	11.0	QD190-199-25-...D-..
QD191S	19.1		
QD192S	19.2		
QD193S	19.3		
QD194S	19.4		
QD195S	19.5		
QD196S	19.6		
QD197S	19.7		
QD198S	19.8		
QD199S	19.9		

QD...S 标准钻头 Standard Cutting Head

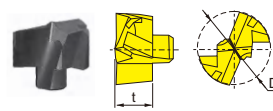
切削参数 (Cutting Parameters): K34



订购编码 Order number	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
QD200S	20.0	11.6	QD200-209-25-...D-..
QD201S	20.1		
QD202S	20.2		
QD203S	20.3		
QD204S	20.4		
QD205S	20.5		
QD206S	20.6		
QD207S	20.7		
QD208S	20.8		
QD209S	20.9		
QD210S	21.0	12.1	QD210-219-25-...D-..
QD211S	21.1		
QD212S	21.2		
QD213S	21.3		
QD214S	21.4		
QD215S	21.5		
QD216S	21.6		
QD217S	21.7		
QD218S	21.8		
QD219S	21.9		
QD220S	22.0	12.7	QD220-229-25-...D-..
QD221S	22.1		
QD222S	22.2		
QD223S	22.3		
QD224S	22.4		
QD225S	22.5		
QD226S	22.6		
QD227S	22.7		
QD228S	22.8		
QD229S	22.9		

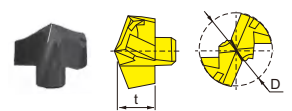
订购编码 Order number	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
QD230S	23.0	13.3	QD230-239-32-...D-..
QD231S	23.1		
QD232S	23.2		
QD233S	23.3		
QD234S	23.4		
QD235S	23.5		
QD236S	23.6		
QD237S	23.7		
QD238S	23.8		
QD239S	23.9		
QD240S	24.0	13.9	QD240-249-32-...D-..
QD241S	24.1		
QD242S	24.2		
QD243S	24.3		
QD244S	24.4		
QD245S	24.5		
QD246S	24.6		
QD247S	24.7		
QD248S	24.8		
QD249S	24.9		
QD250S	25.0	14.5	QD250-259-32-...D-..
QD251S	25.1		
QD252S	25.2		
QD253S	25.3		
QD254S	25.4		
QD255S	25.5		
QD256S	25.6		
QD257S	25.7		
QD258S	25.8		
QD259S	25.9		

QD...F 平底钻头 Flat Cutting Head



订购编码 Order number	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
QD080F	8.0	4.0	QD080-
QD085F	8.5	4.0	089-12-...
QD090F	9.0	4.2	QD090-
QD095F	9.5	4.2	099-12-...
QD100F	10.0	4.4	QD100-
QD105F	10.5	4.4	109-16-...
QD110F	11.0	4.5	QD110-
QD115F	11.5	4.5	119-16-...
QD120F	12.0	4.8	QD120-
QD125F	12.5	4.8	129-16-...
QD130F	13.0	5.1	QD130-
QD135F	13.5	5.1	139-16-...
QD140F	14.0	5.5	QD140-
QD145F	14.5	5.5	149-16-...
QD150F	15.0	5.9	QD150-
QD155F	15.5	5.9	159-20-...
QD160F	16.0	6.3	QD160-
QD165F	16.5	6.3	169-20-...
QD170F	17.0	6.6	QD170-
QD175F	17.5	6.6	179-20-...
QD180F	18.0	6.9	QD180-
QD185F	18.5	6.9	189-25-...
QD190F	19.0	7.2	QD190-
QD195F	19.5	7.2	199-25-...
QD200F	20.0	8.2	QD200-
QD205F	20.5	8.2	209-25-...
QD210F	21.0	8.6	QD210-
QD215F	21.5	8.6	219-25-...
QD220F	22.0	8.9	QD220-
QD225F	22.5	8.9	229-25-...
QD230F	23.0	9.3	QD230-
QD235F	23.5	9.3	239-32-...
QD240F	24.0	9.7	QD240-
QD245F	24.5	9.7	249-32-...
QD250F	25.0	10.1	QD250-
QD255F	25.5	10.1	259-32-...
QD260F	26.0	10.1	...D-..

QD...C 定心钻头 Centering Cutting Head



订购编码 Order number	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
QD080C	8.0	5.4	QD080-
QD085C	8.5	5.4	089-12-...
QD090C	9.0	5.8	QD090-
QD095C	9.5	5.8	099-12-...
QD100C	10.0	6.2	QD100-
QD105C	10.5	6.2	109-16-...
QD110C	11.0	6.6	QD110-
QD115C	11.5	6.6	119-16-...
QD120C	12.0	7.0	QD120-
QD125C	12.5	7.0	129-16-...
QD130C	13.0	7.6	QD130-
QD135C	13.5	7.6	139-16-...
QD140C	14.0	8.2	QD140-
QD145C	14.5	8.2	149-16-...
QD150C	15.0	8.7	QD150-
QD155C	15.5	8.7	159-20-...
QD160C	16.0	9.3	QD160-
QD165C	16.5	9.3	169-20-...
QD170C	17.0	9.9	QD170-
QD175C	17.5	9.9	179-20-...
QD180C	18.0	10.5	QD180-
QD185C	18.5	10.5	189-25-...
QD190C	19.0	11.0	QD190-
QD195C	19.5	11.0	199-25-...
QD200C	20.0	11.6	QD200-
QD205C	20.5	11.6	209-25-...
QD210C	21.0	12.2	QD210-
QD215C	21.5	12.2	219-25-...
QD220C	22.0	12.8	QD220-
QD225C	22.5	12.8	229-25-...
QD230C	23.0	13.3	QD230-
QD235C	23.5	13.3	239-32-...
QD240C	24.0	13.9	QD240-
QD245C	24.5	13.9	249-32-...
QD250C	25.0	14.5	QD250-
QD255C	25.5	14.5	259-32-...
QD260C	26.0	14.5	...D-..

快速
钻孔

镗孔
加工
系统

钻头

铰刀

快速
钻头

铲齿

定心
钻头

VMD
大钻头

钻头

空心
钻头

油路
配件

LBK
BST
镗孔
刀柄

HBOR
CBI
CBH
镗床
系统

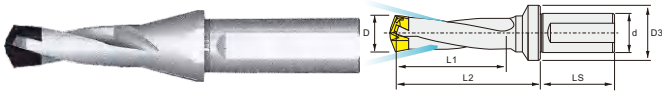
NBJ
NBH
镗孔
套装

TWE
RBH
粗镗
系统

钻头

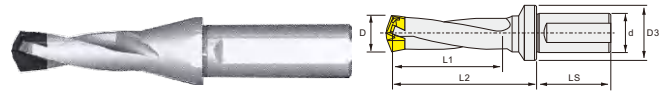
铰刀

QD...-1. 5D-C 带内冷却水孔快钻刀体
"QuickDrill" Toolholders with Coolant



切削参数 (Cutting Parameters): K34

QD...-1. 5D-N 无内冷却水孔快钻刀体
"QuickDrill" Toolholders without Coolant



切削参数 (Cutting Parameters): K34

订购编码 Order	规格型号 Model	配套刀头 D	尺寸 Dimensions(mm)						拆卸器 Puller
			d	D3	L1	L2	LS	D	
505553	QD080-089-16-1.5D-C	8.0~8.9	12	16	12	27.9	45	8	8-12
505554	QD090-099-16-1.5D-C	9.0~9.9	12	16	14	29.3	45	9	
505555	QD100-109-20-1.5D-C	10.0~10.9	16	20	15	31.2	48	10	
505556	QD110-119-20-1.5D-C	11.0~11.9	16	20	17	33.1	48	11	
505557	QD120-129-20-1.5D-C	12.0~12.9	16	20	18	35.0	48	12	12-17
505558	QD130-139-20-1.5D-C	13.0~13.9	16	20	20	37.1	48	13	
505559	QD140-149-20-1.5D-C	14.0~14.9	16	20	21	41.1	48	14	
505560	QD150-159-25-1.5D-C	15.0~15.9	20	25	23	46.2	50	15	
505561	QD160-169-25-1.5D-C	16.0~16.9	20	25	24	49.3	50	16	17-21
505562	QD170-179-25-1.5D-C	17.0~17.9	20	25	26	52.4	50	17	
505563	QD180-189-32-1.5D-C	18.0~18.9	25	32	27	55.5	56	18	
505564	QD190-199-32-1.5D-C	19.0~19.9	25	32	29	58.5	56	19	
505565	QD200-209-32-1.5D-C	20.0~20.9	25	32	30	61.6	56	20	21-26
505566	QD210-219-32-1.5D-C	21.0~21.9	25	32	32	64.7	56	21	
505567	QD220-229-32-1.5D-C	22.0~22.9	25	32	33	67.8	56	22	
505568	QD230-239-42-1.5D-C	23.0~23.9	32	42	35	70.9	60	23	
505569	QD240-249-42-1.5D-C	24.0~24.9	32	42	36	74.0	60	24	21-26
505570	QD250-259-42-1.5D-C	25.0~26.0	32	42	38	77.0	60	25	

订购编码 Order	规格型号 Model	配套刀头 D	尺寸 Dimensions(mm)						拆卸器 Puller
			d	D3	L1	L2	LS	D	
505571	QD080-089-16-1.5D-N	8.0~8.9	12	16	12	27.9	45	8	8-12
505572	QD090-099-16-1.5D-N	9.0~9.9	12	16	14	29.3	45	9	
505573	QD100-109-20-1.5D-N	10.0~10.9	16	20	15	31.2	48	10	
505574	QD110-119-20-1.5D-N	11.0~11.9	16	20	17	33.1	48	11	
505575	QD120-129-20-1.5D-N	12.0~12.9	16	20	18	35.0	48	12	12-17
505576	QD130-139-20-1.5D-N	13.0~13.9	16	20	20	37.1	48	13	
505577	QD140-149-20-1.5D-N	14.0~14.9	16	20	21	41.1	48	14	
505578	QD150-159-25-1.5D-N	15.0~15.9	20	25	23	46.2	50	15	
505579	QD160-169-25-1.5D-N	16.0~16.9	20	25	24	49.3	50	16	17-21
505580	QD170-179-25-1.5D-N	17.0~17.9	20	25	26	52.4	50	17	
505581	QD180-189-32-1.5D-N	18.0~18.9	25	32	27	55.5	56	18	
505582	QD190-199-32-1.5D-N	19.0~19.9	25	32	29	58.5	56	19	
505583	QD200-209-32-1.5D-N	20.0~20.9	25	32	30	61.6	56	20	21-26
505584	QD210-219-32-1.5D-N	21.0~21.9	25	32	32	64.7	56	21	
505585	QD220-229-32-1.5D-N	22.0~22.9	25	32	33	67.8	56	22	
505586	QD230-239-42-1.5D-N	23.0~23.9	32	42	35	70.9	60	23	
505587	QD240-249-42-1.5D-N	24.0~24.9	32	42	36	74.0	60	24	21-26
505588	QD250-259-42-1.5D-N	25.0~26.0	32	42	38	77.0	60	25	

快速
钻孔
镗孔
加工
系统

钻头

铰刀

快速
钻头

铲钻

定心
钻头

VMD
大钻头

钻尖

空心
钻头

油路
配件

LBK
BST
镗孔
刀柄

HBOR
CBI
CBH
精镗
系统

NBJ
NBH
镗孔
套装

TWE
RBH
粗镗
系统

钻头

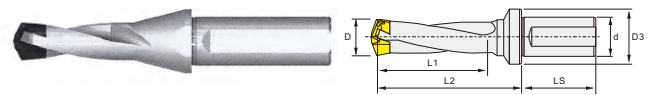
铰刀

QD...-3D-C 带内冷却水孔快钻刀体
"QuickDrill" Toolholders with Coolant



切削参数 (Cutting Parameters): K34

QD...-3D-N 无内冷却水孔快钻刀体
"QuickDrill" Toolholders without Coolant



切削参数 (Cutting Parameters): K34

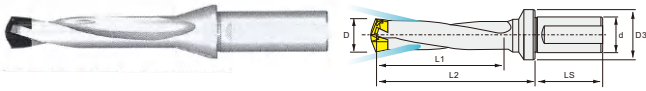
订购编码 Order	规格型号 Model	配套刀头 D	尺寸 Dimensions(mm)						拆卸器 Puller
			d	D3	L1	L2	LS	D	
505589	QD080-084-16-3D-C	8.0~8.4	12	16	24	39.4	45	8	8-12
505590	QD085-089-16-3D-C	8.5~8.9	12	16	26	40.9	45	8	
505591	QD090-094-16-3D-C	9.0~9.4	12	16	27	42.8	45	9	
505592	QD095-099-16-3D-C	9.5~9.9	12	16	29	44.3	45	9	
505593	QD100-104-20-3D-C	10.0~10.4	16	20	30	46.2	48	10	12-17
505594	QD105-109-20-3D-C	10.5~10.9	16	20	32	47.7	48	10	
505595	QD110-114-20-3D-C	11.0~11.4	16	20	33	49.6	48	11	
505596	QD115-119-20-3D-C	11.5~11.9	16	20	35	51.1	48	11	
505597	QD120-124-20-3D-C	12.0~12.4	16	20	36	53.0	48	12	17-21
505598	QD125-129-20-3D-C	12.5~12.9	16	20	37	54.5	48	12	
505599	QD130-134-20-3D-C	13.0~13.4	16	20	39	56.6	48	13	
505610	QD135-139-20-3D-C	13.5~13.9	16	20	41	58.1	48	13	
505611	QD140-144-20-3D-C	14.0~14.4	16	20	42	62.1	48	14	21-26
505612	QD145-149-20-3D-C	14.5~14.9	16	20	44	63.6	48	14	
505613	QD150-159-25-3D-C	15.0~15.9	20	25	45	68.7	50	15	
505614	QD160-169-25-3D-C	16.0~16.9	20	25	48	73.3	50	16	
505615	QD170-179-25-3D-C	17.0~17.9	20	25	51	77.9	50	17	21-26
505616	QD180-189-32-3D-C	18.0~18.9	25	32	54	82.5	56	18	
505617	QD190-199-32-3D-C	19.0~19.9	25	32	57	87.0	56	19	
505618	QD200-209-32-3D-C	20.0~20.9	25	32	60	91.6	56	20	
505619	QD210-219-32-3D-C	21.0~21.9	25	32	63	96.2	56	21	21-26
505620	QD220-229-32-3D-C	22.0~22.9	25	32	66	100.8	56	22	
505621	QD230-239-42-3D-C	23.0~23.9	32	42	69	105.4	60	23	
505622	QD240-249-42-3D-C	24.0~24.9	32	42	72	109.9	60	24	
505623	QD250-259-42-3D-C	25.0~26.0	32	42	75	114.5	60	25	

订购编码 Order	规格型号 Model	配套刀头 D	尺寸 Dimensions(mm)						拆卸器 Puller
			d	D3	L1	L2	LS	D	
505624	QD080-084-16-3D-N	8.0~8.4	12	16	24	39.4	45	8	8-12
505625	QD085-089-16-3D-N	8.5~8.9	12	16	26	40.9	45	8	
505626	QD090-094-16-3D-N	9.0~9.4	12	16	27	42.8	45	9	
505627	QD095-099-16-3D-N	9.5~9.9	12	16	29	44.3	45	9	
505628	QD100-104-20-3D-N	10.0~10.4	16	20	30	46.2	48	10	12-17
505629	QD105-109-20-3D-N	10.5~10.9	16	20	32	47.7	48	10	
505630	QD110-114-20-3D-N	11.0~11.4	16	20	33	49.6	48	11	
505631	QD115-119-20-3D-N	11.5~11.9	16	20	35	51.1	48	11	
505632	QD120-124-20-3D-N	12.0~12.4	16	20	36	53.0	48	12	17-21
505633	QD125-129-20-3D-N	12.5~12.9	16	20	37	54.5	48	12	
505634	QD130-134-20-3D-N	13.0~13.4	16	20	39	56.6	48	13	
505635	QD135-139-20-3D-N	13.5~13.9	16	20	41	58.1	48	13	
505636	QD140-144-20-3D-N	14.0~14.4	16	20	42	62.1	48	14	21-26
505637	QD145-149-20-3D-N	14.5~14.9	16	20	44	63.6	48	14	
505638	QD150-159-25-3D-N	15.0~15.9	20	25	45	68.7	50	15	
505639	QD160-169-25-3D-N	16.0~16.9	20	25	48	73.3	50	16	
505640	QD170-179-25-3D-N	17.0~17.9	20	25	51	77.9	50	17	21-26
505641	QD180-189-32-3D-N	18.0~18.9	25	32	54	82.5	56	18	
505642	QD190-199-32-3D-N	19.0~19.9	25	32	57	87.0	56	19	
505643	QD200-209-32-3D-N	20.0~20.9	25	32	60	91.6	56	20	
505644	QD210-219-32-3D-N	21.0~21.9	25	32	63	96.2	56	21	21-26
505645	QD220-229-32-3D-N	22.0~22.9	25	32	66	100.8	56	22	
505646	QD230-239-42-3D-N	23.0~23.9	32	42	69	105.4	60	23	
505647	QD240-249-42-3D-N	24.0~24.9	32	42	72	109.9	60	24	
505648	QD250-259-42-3D-N	25.0~26.0	32	42	75	114.5	60	25	

钻头+钻杆 高效孔加工

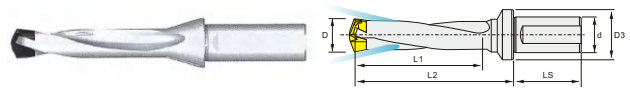
High Efficiency Hole Processing of Drill Point and Drill Pipe

QD...-5D-C 带内冷却水孔快钻刀体
"QuickDrill" Toolholders with Coolant



切削参数 (Cutting Parameters): K34

QD...-8D-C 带内冷却水孔快钻刀体
"QuickDrill" Toolholders with Coolant



切削参数 (Cutting Parameters): K34

订购编码 Order	规格型号 Model	配套刀头 D	尺寸 Dimensions(mm)						拆卸器 Puller
			d	D3	L1	L2	LS	D	
505649	QD080-084-16-5D-C	8.0~8.4	12	16	40	55.4	45	8	8-12
505650	QD085-089-16-5D-C	8.5~8.9	12	16	43	57.9	45	8	
505651	QD090-094-16-5D-C	9.0~9.4	12	16	45	60.8	45	9	
505652	QD095-099-16-5D-C	9.5~9.9	12	16	48	63.3	45	9	
505653	QD100-104-20-5D-C	10.0~10.4	16	20	50	66.2	48	10	
505654	QD105-109-20-5D-C	10.5~10.9	16	20	53	68.7	48	10	
505655	QD110-114-20-5D-C	11.0~11.4	16	20	55	71.6	48	11	
505656	QD115-119-20-5D-C	11.5~11.9	16	20	58	74.1	48	11	
505657	QD120-124-20-5D-C	12.0~12.4	16	20	60	77.0	48	12	
505658	QD125-129-20-5D-C	12.5~12.9	16	20	62	79.5	48	12	
505659	QD130-134-20-5D-C	13.0~13.4	16	20	65	82.6	48	13	
505660	QD135-139-20-5D-C	13.5~13.9	16	20	68	85.1	48	13	
505661	QD140-144-20-5D-C	14.0~14.4	16	20	70	90.2	48	14	
505662	QD145-149-20-5D-C	14.5~14.9	16	20	73	92.7	48	14	
505663	QD150-159-25-5D-C	15.0~15.9	20	25	75	98.7	50	15	
505664	QD160-169-25-5D-C	16.0~16.9	20	25	80	105.3	50	16	
505665	QD170-179-25-5D-C	17.0~17.9	20	25	85	111.9	50	17	
505666	QD180-189-32-5D-C	18.0~18.9	25	32	90	118.5	56	18	
505667	QD190-199-32-5D-C	19.0~19.9	25	32	95	125.0	56	19	
505668	QD200-209-32-5D-C	20.0~20.9	25	32	100	131.6	56	20	
505669	QD210-219-32-5D-C	21.0~21.9	25	32	105	138.2	56	21	
505670	QD220-229-32-5D-C	22.0~22.9	25	32	110	144.8	56	22	
505671	QD230-239-42-5D-C	23.0~23.9	32	42	115	151.4	60	23	
505672	QD240-249-42-5D-C	24.0~24.9	32	42	120	158.0	60	24	
505673	QD250-259-42-5D-C	25.0~26.0	32	42	125	164.5	60	25	

订购编码 Order	规格型号 Model	配套刀头 D	尺寸 Dimensions(mm)						拆卸器 Puller
			d	D3	L1	L2	LS	D	
505674	QD080-084-16-5D-C	8.0~8.4	12	16	64	79.4	45	8	8-12
505675	QD085-089-16-5D-C	8.5~8.9	12	16	68	84.4	45	8	
505676	QD090-094-16-5D-C	9.0~9.4	12	16	72	87.8	45	9	
505677	QD095-099-16-5D-C	9.5~9.9	12	16	76	92.7	45	9	
505678	QD100-104-20-5D-C	10.0~10.4	16	20	80	96.2	48	10	
505679	QD105-109-20-5D-C	10.5~10.9	16	20	84	100.2	48	10	
505680	QD110-114-20-5D-C	11.0~11.4	16	20	88	104.6	48	11	
505681	QD115-119-20-5D-C	11.5~11.9	16	20	92	108.6	48	11	
505682	QD120-124-20-5D-C	12.0~12.4	16	20	96	113.0	48	12	
505683	QD125-129-20-5D-C	12.5~12.9	16	20	100	117.0	48	12	
505684	QD130-134-20-5D-C	13.0~13.4	16	20	104	121.6	48	13	
505685	QD135-139-20-5D-C	13.5~13.9	16	20	108	125.5	48	13	
505686	QD140-144-20-5D-C	14.0~14.4	16	20	112	132.1	48	14	
505687	QD145-149-20-5D-C	14.5~14.9	16	20	116	136.2	48	14	
505688	QD150-159-25-5D-C	15.0~15.9	20	25	120	143.7	50	15	
505689	QD160-169-25-5D-C	16.0~16.9	20	25	128	153.3	50	16	
505690	QD170-179-25-5D-C	17.0~17.9	20	25	136	162.9	50	17	
505691	QD180-189-32-5D-C	18.0~18.9	25	32	144	172.5	56	18	
505692	QD190-199-32-5D-C	19.0~19.9	25	32	152	182.0	56	19	
505693	QD200-209-32-5D-C	20.0~20.9	25	32	160	191.6	56	20	
505694	QD210-219-32-5D-C	21.0~21.9	25	32	168	201.2	56	21	
505695	QD220-229-32-5D-C	22.0~22.9	25	32	176	210.8	56	22	
505696	QD230-239-42-5D-C	23.0~23.9	32	42	184	220.4	60	23	
505697	QD240-249-42-5D-C	24.0~24.9	32	42	192	230.0	60	24	
505698	QD250-259-42-5D-C	25.0~26.0	32	42	200	239.5	60	25	

QD...-12D-C 带内冷却水孔快钻刀体
"QuickDrill" Toolholders with Coolant



切削参数 (Cutting Parameters): K34

订购编码 Order	规格型号 Model	配套刀头 D	尺寸 Dimensions(mm)						拆卸器 Puller
			d	D3	L1	L2	LS	D	
505700	QD120-124-20-12D-C	12.0~12.4	16	20	144	161	48	12	12-17
505701	QD125-129-20-12D-C	12.5~12.9	16	20	150	167	48	12	
505702	QD130-134-20-12D-C	13.0~13.9	16	20	156	173	48	13	
505703	QD135-139-20-12D-C	13.5~13.9	16	20	162	179	48	13	
505704	QD140-144-20-12D-C	14.0~14.4	16	20	168	188	48	14	
505705	QD145-149-20-12D-C	14.5~14.9	16	20	174	194	48	14	
505706	QD150-159-25-12D-C	15.0~15.9	20	25	180	210	50	15	
505707	QD160-169-25-12D-C	16.0~16.9	20	25	192	224	50	16	
505708	QD170-179-25-12D-C	17.0~17.9	20	25	204	238	50	17	
505709	QD180-189-32-12D-C	18.0~18.9	25	32	216	252	56	18	
505710	QD190-199-32-12D-C	19.0~19.9	25	32	228	266	56	19	
505711	QD200-209-32-12D-C	20.0~20.9	25	32	240	280	56	20	
505712	QD210-219-32-12D-C	21.0~21.9	25	32	252	294	56	21	
505713	QD220-229-32-12D-C	22.0~23.0	25	32	264	308	56	22	



快速
钻孔

镗孔
加工
系统

钻头

铰刀

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铲齿

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钻头

VMD
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镗孔
套装

TWE
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粗镗
系统

钻头

铰刀

剑齿钻头 Swordtooth drill shank

- 刀片直径范围12-33.5mm，深度1.5、3、5、8、12倍径
Blade diameter range 12-33.5mm, depth 1.5, 3, 5, 8, 12 times diameter
- 刀片预留1.5mm-3mm重磨余量，可进一步降低刀具成本
The blade has a reserved grinding allowance of 1.5mm-3mm, which can further reduce tool costs
- 可换式硬质合金刀片、高刚性合金刀杆，加工精度与效率大幅提高
Interchangeable hard composite full blade and high rigidity alloy tool holder, greatly improving machining accuracy and efficiency
- 刀片与刀杆采用径向齿形设计，很好的实现了高精度与高强度的要求
The blade and tool holder are designed with radial tooth profiles, which effectively meet the requirements of high precision and strength
- 更换刀片快速方便，无需把刀杆从机床取出
Replacing blades is fast and convenient, without the need to remove the tool holder from the machine tool
- 同一刀杆可装配不同直径刀片，节约刀具成本
The same tool holder can be equipped with blades of different diameters, saving tool costs
- 优化的螺旋设计可改善软性材料的切屑控制
Optimized spiral design can improve chip control of soft materials
- 强化的刃口处理大幅提高加工寿命
Enhanced edge treatment significantly improves machining life
- 柄部设计适合多种刀柄系统
The handle design is suitable for various tool handle systems
- 带内冷孔设计，使钻削冷充分，刀具寿命更长，排屑更顺畅
Equipped with internal cold hole design, ensuring sufficient cooling during drilling, longer tool life, and smoother chip removal



快速
钻孔

镗孔
加工
系统

钻头

铰刀

快速
钻头

铲钻

定心
钻头

VMD
大钻头

钻尖

空心
钻头

油路
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LBK
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镗孔
套装

TWE
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粗镗
系统

钻头

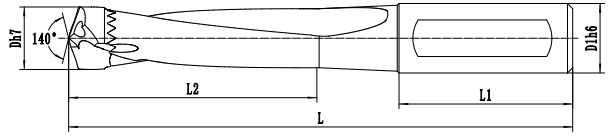
铰刀

钻头+钻杆 高效孔加工

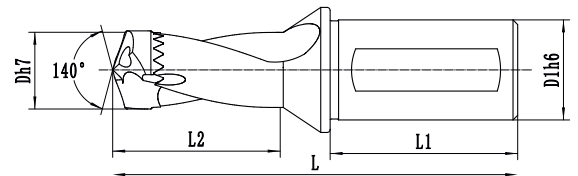
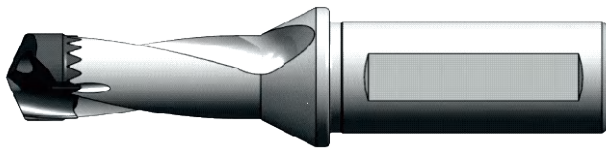
High Efficiency Hole Processing of Drill Point and Drill Pipe

剑齿钻刀杆

Swordtooth drill shank



钻径 Drilling diameter	3D			5D			8D			刀柄部可通用 The handle of the knife is interchangeable		螺钉 screw	扳手 wrench
	规格型号 Model	尺寸 Dimensions(mm)		规格型号 Model	尺寸 Dimensions(mm)		规格型号 Model	尺寸 Dimensions(mm)		L1	D1		
		L2	L		L2	L		L2	L				
12.0-12.49	TC03-120-XP16	46	107	TC05-120-XP16	71	132	-	-	-	48	16	M2.2*8	T6
12.5-13.49	TC03-130-XP16	19	112	TC05-130-XP16	76	142	-	-	-	48	16		
13.5-14.5	TC03-140-XP16	55	119	TC05-140-XP16	84	149	TC08-140-XP16	127	194	50	25		
14.51-15.5	TC03-150-XP20	58	129	TC05-150-XP20	89	159	TC08-150-XP20	136	204	50	25		
15.51-16.5	TC03-160-XP20	62	134	TC05-160-XP20	95	169	TC08-160-XP20	144	214	50	25		
16.51-17.5	TC03-170-XP20	66	140	TC05-170-XP20	101	175	TC08-170-XP20	154	225	50	25	M2.5*9	T8
17.51-18.5	TC03-180-XP20	70	145	TC05-180-XP20	107	180	TC08-180-XP20	162	230	50	25		
18.51-19.5	TC03-190-XP25	73	160	TC05-190-XP25	112	195	TC08-190-XP25	171	255	56	20		
19.51-20.5	TC03-200-XP25	77	160	TC05-200-XP25	118	200	TC08-200-XP25	179	270	56	20		
20.51-21.5	TC03-210-XP25	80	160	TC05-210-XP25	123	200	TC08-210-XP25	188	266	56	20		
21.51-22.8	TC03-220-XP25	84	165	TC05-220-XP25	129	205	TC08-220-XP25	196	275	56	20	M3.5*12	T15
22.81-23.8	TC03-230-XP25	81	165	TC05-230-XP25	134	215	TC08-230-XP25	205	285	56	20		
23.81-24.8	TC03-240-XP32	91	175	TC05-240-XP32	140	225	TC08-240-XP32	213	300	56	20		
24.81-25.8	TC03-250-XP32	93	175	TC05-250-XP32	145	230	TC08-250-XP32	222	305	56	20	M4.0*14	T15
25.81-26.8	TC03-260-XP32	97	180	TC05-260-XP32	151	235	TC08-260-XP32	230	315	56	20		
26.81-27.8	TC03-270-XP32	99	180	TC05-270-XP32	156	245	TC08-270-XP32	239	325	56	20		
27.81-28.8	TC03-280-XP32	102	185	TC05-280-XP32	162	245	TC08-280-XP32	247	330	56	20	M4.5*15	T15
28.81-29.8	TC03-290-XP32	105	190	TC05-290-XP32	167	250	TC08-290-XP32	256	340	56	20		
29.81-30.8	TC03-300-XP32	110	191	TC05-300-XP32	173	261	TC08-300-XP32	265	351	56	20		
30.81-32.0	TC03-320-XP32	116	201	TC05-320-XP32	181	266	TC08-320-XP32	276	361	56	20	M4.5*15	T15
32.01-33.5	TC03-330-XP32	121	206	TC05-330-XP32	191	276	TC08-330-XP32	291	376	56	20		



钻径 Drilling diameter	3D			5D			刀柄部可通用 The handle of the knife is interchangeable		螺钉 screw	扳手 wrench
	规格型号 Model	尺寸 Dimensions(mm)		规格型号 Model	尺寸 Dimensions(mm)		L1	D1		
		L2	L		L2	L				
12.0-12.49	TC1.5-120-XP16	28	91	-	-	-	48	16	M2.2*8	T6
12.5-13.49	TC1.5-130-XP16	30	92	-	-	-	48	16		
13.5-14.5	TC1.5-140-XP16	34	96	TC12-140-XP16	171	239	50	20		
14.51-15.5	TC1.5-150-XP20	35	100	TC12-150-XP20	183	253	50	20		
15.51-16.5	TC1.5-160-XP20	38	103	TC12-160-XP20	195	266	50	20		
16.51-17.5	TC1.5-170-XP20	39	105	TC12-170-XP20	207	278	50	20	M2.5*9	T8
17.51-18.5	TC1.5-180-XP20	43	107	TC12-180-XP20	219	291	50	20		
18.51-19.5	TC1.5-190-XP25	44	115	TC12-190-XP25	232	309	56	25		
19.51-20.5	TC1.5-200-XP25	47	118	TC12-200-XP25	244	321	56	25		
20.51-21.5	TC1.5-210-XP25	48	119	TC12-210-XP25	256	334	56	25		
21.51-22.8	TC1.5-220-XP25	51	121	TC12-220-XP25	268	347	56	25	M3.5*12	T15
22.81-23.8	TC1.5-230-XP25	51	122	TC12-230-XP25	280	359	56	25		
23.81-24.8	TC1.5-240-XP32	54	129	TC12-240-XP32	292	376	56	25		
24.81-25.8	TC1.5-250-XP32	54	129	TC12-250-XP32	305	388	56	25	M4.0*14	T15
25.81-26.8	TC1.5-260-XP32	57	132	-	-	-	56	25		
26.81-27.8	TC1.5-270-XP32	58	133	-	-	-	56	25		
27.81-28.8	TC1.5-280-XP32	60	135	-	-	-	56	25	M4.5*15	T15
28.81-29.9	TC1.5-290-XP32	61	136	-	-	-	56	25		
29.81-30.8	TC1.5-300-XP32	64	139	-	-	-	56	25		

快速
钻孔

镗孔
加工
系统

钻头

铰刀

快速
钻头

铲齿

定心
钻头

VMD
大钻头

钻尖

空心
钻头

油路
配件

LBK
BST
镗孔
刀柄

HBOR
CBI
CBH
精镗
系统

NBJ
NBH
镗孔
套装

TWE
RBH
粗镗
系统

钻头

铰刀

剑齿钻更换到头要领

Key points for replacing sword toothed drills to the end

TCEA适用于软钢、灰钢、不锈钢、铸铁，相对于低刚性设备。

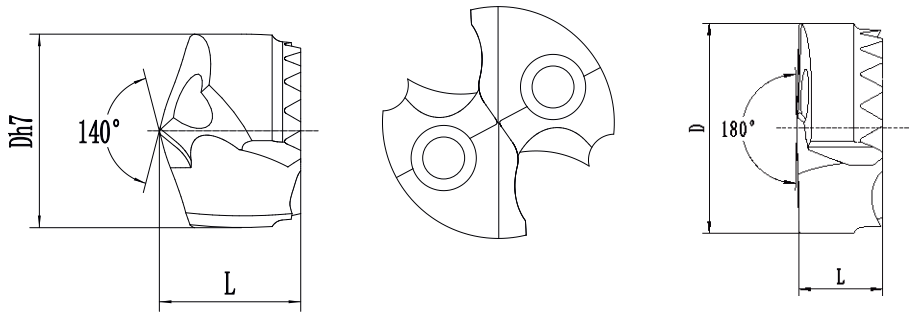
TCEA is suitable for soft steel, gray steel, stainless steel, and cast iron, relative to low rigidity equipment

TCPA适用于一般钢材。

TCPA is suitable for general steel.

TCFA为平底钻头。

TCFA is a flat bottomed drill bit.



孔径DC Drilling diameterDC	规格型号 Model	规格型号 Model	L	规格型号 Model	L
12.0	TCEA-1200	TCPA-1200	9.1	TCFA-1200	7.1
12.5	TCEA-1250	TCPA-1250	9.4	TCFA-1250	7.2
13.0	TCEA-1300	TCPA-1300	9.7	TCFA-1300	7.5
13.5	TCEA-1350	TCPA-1350	10.3	TCFA-1350	7.9
14.0	TCEA-1400	TCPA-1400		TCFA-1400	
14.5	TCEA-1450	TCPA-1450		TCFA-1450	
15.0	TCEA-1500	TCPA-1500	11.0	TCFA-1500	8.3
15.5	TCEA-1550	TCPA-1550		TCFA-1550	
16.0	TCEA-1600	TCPA-1600	11.6	TCFA-1600	8.8
16.5	TCEA-1650	TCPA-1650		TCFA-1650	
17.0	TCEA-1700	TCPA-1700	12.3	TCFA-1700	9.3
17.5	TCEA-1750	TCPA-1750		TCFA-1750	
18.0	TCEA-1800	TCPA-1800	12.9	TCFA-1800	9.8
18.5	TCEA-1850	TCPA-1850		TCFA-1850	
19.0	TCEA-1900	TCPA-1900	13.6	TCFA-1900	10.2
19.5	TCEA-1950	TCPA-1950		TCFA-1950	
20.0	TCEA-2000	TCPA-2000		TCFA-2000	
20.5	TCEA-2050	TCPA-2050	14.1	TCFA-2050	10.7
21.0	TCEA-2100	TCPA-2100		TCFA-2100	
21.5	TCEA-2150	TCPA-2150	14.8	TCFA-2150	11.2
22.0	TCEA-2200	TCPA-2200		TCFA-2200	
22.5	TCEA-2250	TCPA-2250	15.0	TCFA-2250	11.2
23.0	TCEA-2300	TCPA-2300		TCFA-2300	
23.5	TCEA-2350	TCPA-2350	15.2	TCFA-2350	11.3
24.0	TCEA-2400	TCPA-2400		TCFA-2400	
24.5	TCEA-2450	TCPA-2450	15.4	TCFA-2450	11.3
25.0	TCEA-2500	TCPA-2500		TCFA-2500	
25.5	TCEA-2556	TCPA-2550	15.9	TCFA-2550	11.7
26.0	TCEA-2600	TCPA-2600		TCFA-2600	
26.5	TCEA-2650	TCPA-2650	16.5	TCFA-2650	12.2
27.0	TCEA-2700	TCPA-2700		TCFA-2700	
27.5	TCEA-2750	TCPA-2750	17.2	TCFA-2750	12.7
28.0	TCEA-2800	TCPA-2800		TCFA-2800	
28.5	TCEA-2850	TCPA-2850	17.8	TCFA-2850	13.2
29.0	TCEA-2900	TCPA-2900		TCFA-2900	
29.5	TCEA-2950	TCPA-2950	18.4	TCFA-2950	13.6
30.0	TCEA-3000	TCPA-3000		TCFA-3000	
30.5	TCEA-3050	TCPA-3050	19.0	TCFA-3050	14.1
31.0	TCEA-3100	TCPA-3100		TCFA-3100	
31.5	TCEA-3150	TCPA-3150	21.0		
32.0	TCEA-3200	TCPA-3200			
32.5	TCEA-3250	TCPA-3250			
33.0	TCEA-3300	TCPA-3300			
33.5	TCEA-3350	TCPA-3350			

- 快速钻孔
- 镗孔加工系统
- 钻头
- 铰刀
- 快速钻头
- 铲钻
- 定心钻头
- VMD大钻头
- 钻尖
- 空心钻头
- 油路配件
- LBK BST 镗孔刀柄
- HBOR CBI CBH 精镗系统
- NBJ NBH 镗孔套装
- TWE RBH 粗镗系统
- 钻头
- 铰刀

剑齿钻更换到头要领

Key points for replacing sword toothed drills to the end



- 请取下已经使用磨损的刀头，用气枪吹干净刀杆和刀头连接处的异物。
- 无法用气枪穿干净的，用金属刷去除。
- 请注意，锁紧螺丝时如果扳手摇晃，刀头孔周围会发生损坏。
- 螺丝明显损耗、变形之前要马上更换。
- 锁紧螺丝时要均匀的锁紧刀头



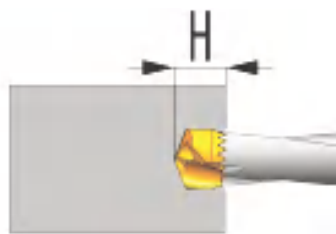
- Please remove the worn blade and use an air gun to blow off any foreign objects at the connection between the blade and the blade.
- If it cannot be pierced clean with an air gun, use a metal brush to remove it.
- Please note that if the wrench is shaken while tightening the screw, damage may occur around the blade hole.
- Screws should be replaced immediately before they become noticeably worn or deformed.
- When tightening the screws, the blade should be evenly locked

打高倍径深孔使用要领

Key points for using high magnification deep holes

使用1.5D或3D的剑齿钻加工引导孔

Use a 1.5D or 3D sword tooth drill to machine guide holes



- 引导孔加工用1.5D或3D剑齿钻头使用与8倍径及以上相同型号钻头，引导孔深度H为孔径的1-1.5倍
- The 1.5D or 3D sword tooth drill bit used for guide hole processing should use the same model of tool head as 8 times the diameter or above, and the depth H of the guide hole should be 1-1.5 times the aperture

在低转速下将8倍径及以上剑齿钻刀杆+刀头插入引导孔内

Insert the blade and blade of a sword tooth drill with a diameter of 8

times or more into the guide hole at low speed

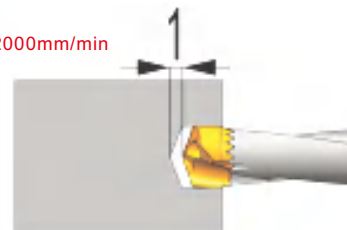
转速/speed: 500r/min

进给速度/Feed Speed: 1000-2000mm/min

插入到离导孔底1mm处

Insert it 1mm away from the

bottom of the guide hole



- 如果以设定的切削速度插入导孔，钻头外周跳动可能损伤钻头肩部。插入到离导孔底1mm处
- If inserted into a different hole at the set cutting speed, the peripheral runout of the drill bit may damage the shoulder of the drill bit. Insert it 1mm away from the bottom of the guide hole

把转速提升到设定转速，开始切削进给

Increase the speed to the set speed and start cutting feed



加工后，降低转速，从被削材中拔出

After processing, reduce the rotational speed and extract from the material being cut

转速/speed: 500r/min

进给速度/Feed Speed: 1000-2000mm/min



- 如果在高速旋转时从孔中拔出钻头，可能由于钻头的跳动导致肩部损伤
- If the drill bit is pulled out of the hole during high-speed rotation, shoulder damage may occur due to the jumping of the drill bit

快速
钻孔

镗孔
加工
系统

钻头

铰刀

快速
钻头

铲齿

定心
钻头

VMD
大钻头

钻尖

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NBJ
NBH
镗孔
套装

TWE
RBH
粗镗
系统

钻头

铰刀

侧固式快速留芯钻 Side solid fast hollow bit



柄径40mm空心钻头-WC刀片
Hollow drill with handle diameter of 40mm WC Insert

编码 Order	型号 Model 有效长 L=50mm	编码 Order	型号 Model 有效长 L=100mm	编码 Order	型号 Model 有效长 L=150mm	外径 D	柄径 d	配件 Parts
505714	C40- 50WC05-50L	505735	C40- 50WC05-100L	505756	C40- 50WC05-150L	50	40mm	WCMX 0503..
505715	53WC05-50L	505736	53WC05-100L	505757	53WC05-150L	53		
505716	55WC05-50L	505737	55WC05-100L	505758	55WC05-150L	55		
505717	60WC05-50L	505738	60WC05-100L	505759	60WC05-150L	60		
505718	62WC05-50L	505739	62WC05-100L	505760	62WC05-150L	62		
505719	64WC05-50L	505740	64WC05-100L	505761	64WC05-150L	64		
505720	66WC05-50L	505741	66WC05-100L	505762	66WC05-150L	66		
505721	68WC05-50L	505742	68WC05-100L	505763	68WC05-150L	68		
505722	70WC05-50L	505743	70WC05-100L	505764	70WC05-150L	70		
505723	73WC05-50L	505744	73WC05-100L	505765	73WC05-150L	73		
505724	75WC05-50L	505745	75WC05-100L	505766	75WC05-150L	75	T10	
505725	78WC05-50L	505746	78WC05-100L	505767	78WC05-150L	78		
505726	80WC05-50L	505747	80WC05-100L	505768	80WC05-150L	80		
505727	82WC05-50L	505748	82WC05-100L	505769	82WC05-150L	82		
505728	85WC05-50L	505749	85WC05-100L	505770	85WC05-150L	85		
505729	87WC05-50L	505750	87WC05-100L	505771	87WC05-150L	87		
505730	90WC05-50L	505751	90WC05-100L	505772	90WC05-150L	90		
505731	92WC05-50L	505752	92WC05-100L	505773	92WC05-150L	92		
505732	95WC05-50L	505753	95WC05-100L	505774	95WC05-150L	95		
505733	97WC05-50L	505754	97WC05-100L	505775	97WC05-150L	97		
505734	100WC05-50L	505755	100WC05-100L	505776	100WC05-150L	100		

柄径50mm空心钻头-WC刀片
Hollow drill with handle diameter of 50mm WC Insert

编码 Order	型号 Model 有效长 L=50mm	编码 Order	型号 Model 有效长 L=100mm	编码 Order	型号 Model 有效长 L=150mm	外径 D	柄径 d	配件 Parts
505777	C50- 50WC05-50L	505798	C50- 50WC05-100L	505819	C50- 50WC05-150L	50	50mm	WCMX 0503..
505778	53WC05-50L	505799	53WC05-100L	505820	53WC05-150L	53		
505779	55WC05-50L	505800	55WC05-100L	505821	55WC05-150L	55		
505780	60WC05-50L	505801	60WC05-100L	505822	60WC05-150L	60		
505781	62WC05-50L	505802	62WC05-100L	505823	62WC05-150L	62		
505782	64WC05-50L	505803	64WC05-100L	505824	64WC05-150L	64		
505783	66WC05-50L	505804	66WC05-100L	505825	66WC05-150L	66		
505784	68WC05-50L	505805	68WC05-100L	505826	68WC05-150L	68		
505785	70WC05-50L	505806	70WC05-100L	505827	70WC05-150L	70		
505786	73WC05-50L	505807	73WC05-100L	505828	73WC05-150L	73		
505787	75WC05-50L	505808	75WC05-100L	505829	75WC05-150L	75	T10	
505788	78WC05-50L	505809	78WC05-100L	505830	78WC05-150L	78		
505789	80WC05-50L	505810	80WC05-100L	505831	80WC05-150L	80		
505790	82WC05-50L	505811	82WC05-100L	505832	82WC05-150L	82		
505791	85WC05-50L	505812	85WC05-100L	505833	85WC05-150L	85		
505792	87WC05-50L	505813	87WC05-100L	505834	87WC05-150L	87		
505793	90WC05-50L	505814	90WC05-100L	505835	90WC05-150L	90		
505794	92WC05-50L	505815	92WC05-100L	505836	92WC05-150L	92		
505795	95WC05-50L	505816	95WC05-100L	505837	95WC05-150L	95		
505796	97WC05-50L	505817	97WC05-100L	505838	97WC05-150L	97		
505797	100WC05-50L	505818	100WC05-100L	505839	100WC05-150L	100		

BT50空心钻头-WC刀片 Hollow drill with BT50- WC Insert

编码 Order	型号 Model 有效长 L=200mm	编码 Order	型号 Model 有效长 L=250mm	外径 D	刀片 Inserts	螺丝 Screw	扳手 Wrench
505840	BT50- 55WC05-200L	505881	BT50- 55WC05-250L	55	WCMX 0503..	M3.0x7	T10
505841	58WC05-200L	505882	58WC05-250L	58			
505842	60WC05-200L	505883	60WC05-250L	60			
505843	62WC05-200L	505884	62WC05-250L	62			
505844	65WC05-200L	505885	65WC05-250L	65			
505845	68WC05-200L	505886	68WC05-250L	68			
505846	70WC05-200L	505887	70WC05-250L	70			
505847	75WC05-200L	505888	75WC05-250L	75			
505848	78WC05-200L	505889	78WC05-250L	78			
505849	80WC05-200L	505890	80WC05-250L	80			
505850	85WC05-200L	505891	85WC05-250L	85	WCMX 06T3..	M3.5x8	T15
505851	88WC05-200L	505892	88WC05-250L	88			
505852	90WC05-200L	505893	90WC05-250L	90			
505853	93WC05-200L	505894	93WC05-250L	93			
505854	96WC05-200L	505895	96WC05-250L	96			
505855	98WC05-200L	505896	98WC05-250L	98			
505856	100WC05-200L	505897	100WC05-250L	100			
505857	103WC05-200L	505898	103WC05-250L	103			
505858	105WC05-200L	505899	105WC05-250L	105			
505859	108WC05-200L	505900	108WC05-250L	108			
505860	110WC05-200L	505901	110WC05-250L	110	BT50		
505861	115WC05-200L	505902	115WC05-250L	115			
505862	120WC06-200L	505903	120WC06-250L	120			
505863	125WC06-200L	505904	125WC06-250L	125			
505864	130WC06-200L	505905	130WC06-250L	130			
505865	135WC06-200L	505906	135WC06-250L	135			
505866	140WC06-200L	505907	140WC06-250L	140			
505867	145WC06-200L	505908	145WC06-250L	145			
505868	150WC06-200L	505909	150WC06-250L	150			
505869	155WC06-200L	505910	155WC06-250L	155			
505870	160WC06-200L	505911	160WC06-250L	160	WCMX 06T3..	M3.5x8	T15
505871	165WC06-200L	505912	165WC06-250L	165			
505872	170WC06-200L	505913	170WC06-250L	170			
505873	175WC06-200L	505914	175WC06-250L	175			
505874	180WC06-200L	505915	180WC06-250L	180			
505875	185WC06-200L	505916	185WC06-250L	185			
505876	190WC06-200L	505917	190WC06-250L	190			
505877	195WC06-200L	505918	195WC06-250L	195			
505878	200WC06-200L	505919	200WC06-250L	200			
505879	210WC06-200L	505920	210WC06-250L	210			
505880	220WC06-200L	505921	220WC06-250L	220			

中心给水型
Central water supply type



中心给水可自动换刀型
Automatic tool change for central water supply



油路刀柄型
Toolholder type of oil way



快速
钻孔
镗孔
加工
系统
钻头
铰刀
快速
钻头
铲钻
定心
钻头
VMD
大钻头
钻尖
空心
钻头
油路
配件
LBK
BST
镗孔
刀柄
HBOR
CBI
CBH
精镗
系统
NBH
NBH
镗孔
套装
TWE
RBH
粗镗
系统
钻头
铰刀

钻尖+钻杆 高效孔加工

High Efficiency Hole Processing of Drill Point and Drill Pipe

多功能钻杆 Multi function drill pipe

1. 车削、镗削、钻削功能，使用一种刀杆加工
2. 节约安装时间，缩短节拍
3. 减少刀具使用效果，节约刀具成本

传统方式
Traditional way

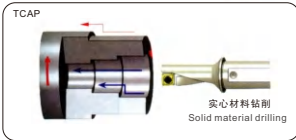


应用 Application

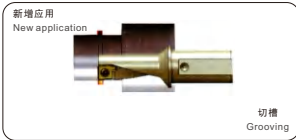
钻削
Drilling

端面/外圆车削
End face / External turning

镗削
Boring



实心材料钻削
Solid material drilling

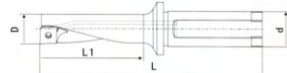


新增应用
New application

切槽
Grooving

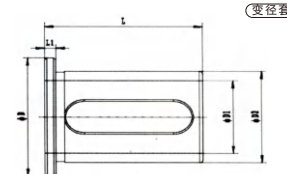
特点 Characteristic

- 内冷型
• Large spiral groove is easy to arrange
- 大螺旋槽便于排屑
• Large row, fluted row
- 大螺旋槽排屑流畅
• Two blades are designed for drilling and turning
- 刀片两张动设计适于钻削和车削
• Cutting edge with large spiral angle reduces cutting force
- 大螺旋角切削刀降低切削力
• When the feed is small and the cutting depth is small, the row is smooth
- 小进给，小切深时排屑流畅



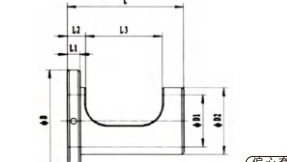
Order	型号 Model	D	d	L1	L	适用刀片 Applicable to insert	螺丝 screw	扳手 Wrench	Price
505100	TCAP-08R/L-3.0DN	8	12	24	75	XCMT 04 01 04	M1.8×3.5	T6	1875
505102	TCAP-09R/L-3.0DN	9	12	27	83	XCMT 05 02 04	M2×5	T6	1875
505104	TCAP-10R/L-3.0DN	10	12	30	85	XCMT 05 02 04	M2×5	T6	1875
505106	TCAP-11R/L-3.0DN	11	16	33	92	XCMT 06 02 04	M2.2×5	T6	1875
505108	TCAP-12R/L-3.0DN	12	16	36	95	XCMT 06 02 04	M2.2×5	T6	1875
505110	TCAP-13R/L-3.0DN	13	16	39	100	XCMT 07 03 04	M2.5×6.5	T8	1875
505112	TCAP-14R/L-3.0DN	14	16	42	101	XCMT 07 03 04	M2.5×6.5	T8	1875
505114	TCAP-08R/L-2.25DN	8	12	18	69	XCMT 04 01 04	M1.8×3.5	T6	1875
505116	TCAP-09R/L-2.25DN	9	12	20.5	76	XCMT 05 02 04	M2×5	T6	1875
505118	TCAP-10R/L-2.25DN	10	12	22.5	78	XCMT 05 02 04	M2×5	T6	1875
505120	TCAP-11R/L-2.25DN	11	16	25	84	XCMT 06 02 04	M2.2×5	T6	1875
505122	TCAP-12R/L-2.25DN	12	16	27	86	XCMT 06 02 04	M2.2×5	T6	1875
505124	TCAP-13R/L-2.25DN	13	16	29.5	91	XCMT 07 03 04	M2.5×6.5	T8	1875
505126	TCAP-14R/L-2.25DN	14	16	31.5	91	XCMT 07 03 04	M2.5×6.5	T8	1875

变径套



Order	型号	尺寸(mm)					Price
		D	D1	D2	L	L1	
505200	BJT-322062	20	49	32	62	5	500
505202	BJT-322562	25	49	32	62	5	500
505204	BJT-402065	20	58	40	65	6	625
505206	BJT-402565	25	58	40	65	6	625
505208	BJT-403265	32	58	40	65	6	625
505210	BJT-502572	25	65	50	70	6	750
505212	BJT-503272	32	65	50	70	6	750
505214	BJT-504072	40	65	50	70	6	750

偏心套



Order	型号	尺寸(mm)							加工直径 调整范围内	中心高 调整范围	Price
		ØD1	ØD2	ØD	L	L1	L2	L3			
505300	2025-43	20	25	41	47	6	11	33	+0.4-0.2	+0.2-0.15	1250
505302	2532-48	25	32	49	60	6	11	45	+0.4-0.2	+0.2-0.15	1250
505304	3240-53	32	40	58	65	6	11	50	+0.4-0.2	+0.2-0.15	1563
505306	4050-63	40	50	68	76	6	11	61	+0.6-0.2	+0.2-0.2	1750

快速钻头倒角环

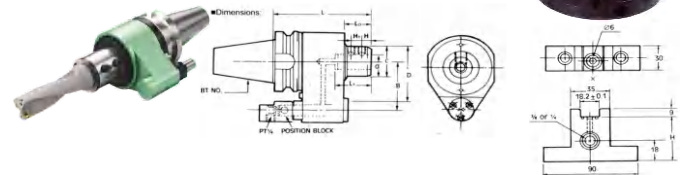
Quick bit chamfering ring



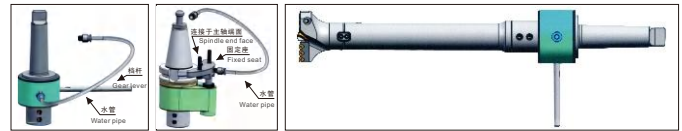
编码 Order	型号 Model	范围 Range	刀片 Inserts	螺丝 Screw	扳手 Wrench
505922	ACH 31	32-60			
505923	42	44-80	TCMT		
505924	58	63-90	16T3..	M3.5x7	T15
505925	72	83-200			

油路刀柄 Oil way Toolholder

固定座 Fixed seat



Order	型号	d	L	B	c	D	LO	L1	H	L3	Price
505400	BT40-OSL32-155	32	155	60/65	53	90	50	60	15	15	
505402	BT40-OSL40-155	40	155	60/65	70	90	50	70	19	18	
505404	BT50-OSL32-160	32	160	80/82	54	100	50	60	15	15	
505406	BT50-OSL40-160	40	160	80/82	64	100	50	70	19	18	

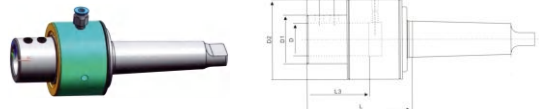


莫氏柄安装示意图 MTA Installation diagram
BT柄安装示意图 BT Installation diagram

莫氏转换柄 Morse transfer Toolholder



Order	型号	D	D1	L	L1	Price
505500	DIN228-B-32-MTA4	32	64	204	124	1438
505502	DIN228-B-40-MTA4	40	64	204	124	1438
505504	DIN228-B-32-MTA5	32	64	204	156	1563
505506	DIN228-B-40-MTA5	40	64	204	156	1563
505508	DIN228-B-32-MTA6	32	64	303	218	1875
505510	DIN228-B-40-MTA6	40	64	303	218	1875
505512	DIN228-B-50-MTA6	50	74	303	218	2188



Order	型号	D	D1	D2	L	L1	L2	L3	Price
505600	MT5-YLDB-32	32	55	92	127	15	18	60	5000
505602	MT5-YLDB-40	40	60	98	127	15	18	65	5313
505604	MT6-YLDB-32	32	55	92	127	15	18	60	5625
505606	MT6-YLDB-40	40	60	98	127	15	18	65	5625
505608	MT6-YLDB-50	50	70	108	127	15	18	70	5938

复合刀具成功案例

刀具实物 Product	图纸要求 Drawings	explain
		打眼、倒角、沉孔三个工序集中在一把刀上面，一气呵成 Three process, boring, chamfer, counterbore concentrates in one tool.
		打眼后通过小刀夹精镗确保尺寸精度 After boring, through clamp finishing boring to ensure dimensional accuracy.
		优化刀片角度，使之能打叠加工，随后小刀夹精镗尺寸。 Optimizing insert angle to play overlay board, then clamp finishing boring dimension.
		打眼、倒角、镗平面高效、快捷。莫氏连接柄，可在立钻、普车尾架等工作 Efficiently and conveniently boring, chamfer, spot facing. With Morse shank, and work in vertical Drill, tailstock, etc.
		风力发电轴承孔专用钻杆，特殊排屑槽，对称双刀刃，针对性优化设计，420-Mo, HRC20, S1000, F200, 低转速，高进给，低磨损，高效率 Wind power bearing bore dedicate holder, special chip-breaker, symmetrical double blade, targeted and optimized design, 42CrMo, HRC20, S1000, F200, low speed, high feed, low wear, high efficiency.
		游艇玻璃钢打眼专用。特殊材质，双吹气设计，产品尺寸稳定不变形 Dedicated boring for yacht FRP. Special material, designed in double blow, product dimension for stability, no deformation.
		组合式结构，配合普通麻花钻，解决小孔的复合刀问题 Modular structure match twist Drill to the problem of compound tool of keyhole.

*备注：所有所列复合刀具，均实际生产使用过。

快速
钻孔

镗孔
加工
系统

钻头

铰刀

快速
钻头

铲齿

定心
钻头

VMD
大钻头

钻尖

空心
钻头

油路
配件

LBK
BST
镗孔
刀柄

HBOR
CBI
CBH
镗系
统

NBJ
NBH
镗孔
套装

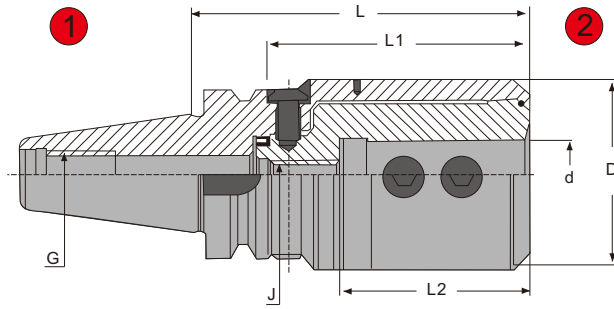
TWE
RBH
粗镗
系统

钻头

铰刀

带直径调整机构刀体

Tool body with diameter adjustment mechanism

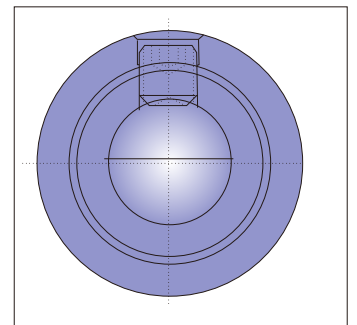
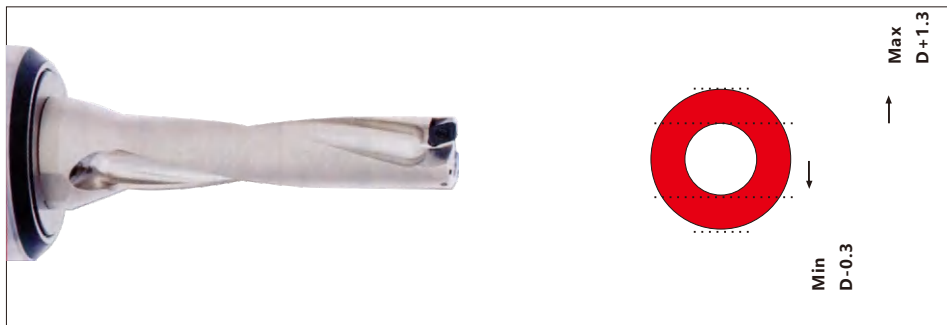


- ① BT MAS 403 Form A/B
- ② ISO 9766

BORE BT-EM带钻孔加工直径调整机构刀体 Tool body with diameter adjustment mechanism

型号 Model	d	D	L	L1	L2	J	G
FITBORE BT40 EM16	16	72	123.5	96.5	71	M10	M16
FITBORE BT40 EM20	20	72	123.5	96.5	71	M10	M16
FITBORE BT40 EM25	25	72	123.5	96.5	71	M10	M16
FITBORE BT40 EM32	32	72	123.5	96.5	71	M10	M16
FITBORE BT40 EM40	40	72	123.5	96.5	71	M10	M16
FITBORE BT50 EM16	16	72	134.5	96.5	71	M10	M24
FITBORE BT50 EM20	20	72	134.5	96.5	71	M10	M24
FITBORE BT50 EM25	25	72	134.5	96.5	71	M10	M24
FITBORE BT50 EM32	32	72	134.5	96.5	71	M10	M24
FITBORE BT50 EM40	40	72	134.5	96.5	71	M10	M24

法兰通孔式刀体请在型号的末尾加B。 Please add B at the end of the type for the flange hole cutter body

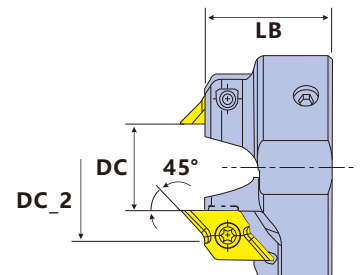
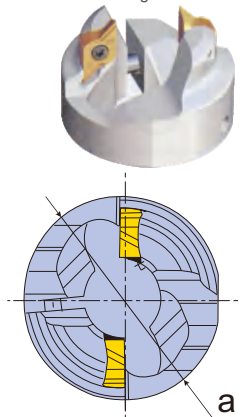


夹具孔的部分由2个圆形剖面构成, 紧固螺钉穿过钻头·刀柄使内侧的剖面部分发生强制弹性变形。由此形成周围超过180°的接触面得到极大的紧固力。

The part of the fixture hole is composed of two circular sections, and the fastening screw passes through the drill bit and tool handle to make the inner section part forced elastic deformation occurs. From this, a contact surface exceeding 180° around is formed, resulting in significant tightening force.

倒角环

Chamfered ring



Order	型号 model	尺寸/size(mm)				倒角尺寸 Chamfer Dimension	Price
		DC	DC 2	a	LB		
	D100-A45	9.8	16.56	34	20	2.5	
	D105-A45	10.3	17.06	34	20	2.5	
	D110-A45	10.8	17.56	34	20	2.5	
	D115-A45	11.3	18.03	34	20	2.5	
	D120-A45	11.8	18.56	34	20	2.5	
	D125-A45	12.3	19.06	34	20	2.5	
	D130-A45	12.8	19.56	34	20	2.5	
	D135-A45	13.3	20.06	34	20	2.5	
	D140-A45	13.8	20.56	38	22	2.5	
	D145-A45	14.3	21.06	38	22	2.5	
	D150-A45	14.6	21.36	38	22	2.5	
	D160-A45	15.6	22.36	42	23	2.5	
	D170-A45	16.6	23.36	42	23	2.5	
	D180-A45	17.6	24.36	42	23	2.5	
	D190-A45	18.6	25.36	42	24	2.5	
	D200-A45	19.6	26.36	42	24	2.5	
	D210-A45	20.6	27.36	47	24	2.5	
	D220-A45	21.6	28.36	47	24	2.5	
	D230-A45	22.6	29.36	47	24	2.5	
	D240-A45	23.6	30.36	47	24	2.5	
	D250-A45	24.6	31.36	47	24	2.5	

EZ导套

EZ guide sleeve

遇下列情况时使用 When used in the following situations

使用机床加工中心进行加工时加工直径的调整
Adjusting the machining diameter when using a machine tool machining center for machining

机床加工中心
使用TDX钻头进行刀具钻削时想对加工直径进行微调。
Machine tool machining center
When using a TDX drill bit for tool drilling, it is necessary to fine tune the machining diameter.



使用「EZ导套」能在最大+0.6~-0.2 mm 的范围内调整加工直径。
The use of "EZ guide sleeve" can adjust the machining diameter within a maximum range of +0.6~-0.2 mm.

车床的中心高调整
Center height adjustment of the lathe

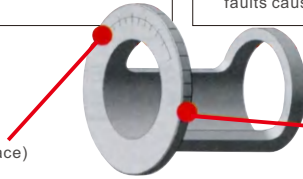
车床等
使用TDX钻头进行被加工材料钻削时, 想调整中心高。
Lathe, etc
When using a TDX drill bit to drill the processed material, you want to adjust the center height.



使用「EZ导套」能在最大+0.3~-0.2 mm 的范围内调整中心高, 因此能解除因中心高影响引起的故障。
The use of "EZ guide sleeve" can adjust the center height within a maximum range of +0.3~-0.2 mm, thus eliminating faults caused by the influence of center height.

车削用
中心高调整刻度(端面)
For turning
Center height adjustment scale (end face)

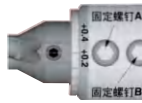
铣削用
加工直径调整刻度(侧面)
For milling
Machining diameter adjustment scale (side)



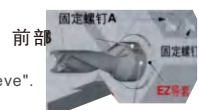
如右图所示, 在钻头刀杆部和刀体之间安装「EZ导套」。
As shown in the right figure, between the drill bit shank and the tool body install the "EZ guide sleeve".



在钻头凸缘部的前面中心, 对照「EZ导套」侧面上的刻度。右图加工直径正设置增加0.4 mm
At the front center of the drill bit flange, refer to the scale on the side of the "EZ guide sleeve". The machining diameter in the right figure is set to increase by 0.4 mm



如右图所示, 在钻头刀杆部和刀体之间安装「EZ导套」。
As shown in the right figure, between the drill bit shank and the tool body install the "EZ guide sleeve".



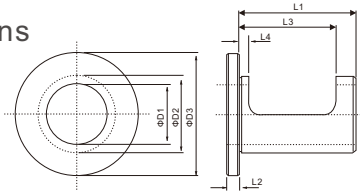
在钻头凸缘部的前面中心, 对照「EZ导套」侧面上的刻度。右图钻头中心正设置向十字方向移动0.1 mm。
At the front center of the drill bit flange, refer to the scale on the side of the "EZ guide sleeve". The machining diameter in the right figure is set to increase by 0.1 mm



刻度对应时 将附件扳手插入「EZ导套」侧面的孔中, 让导套旋转。
调整好刻度后 紧固钻头侧附近的固定螺钉A。请轻轻紧固固定螺钉B 防止导套旋转。

- (注)• 刻度只是参考目标。使用时请确认实际测定加工直径。特别是在调整车床中心高时, 在调整的同时加工直径也随之变化请通过试加工等进行确认。
• 使用机床加工中心进行加工时, 请使用钻头用侧锁式刀体。不能使用弹簧式刀体和铣刀杆。
• 在L/D=4以上的钻头组合及调整量大时, 加工中的振动会变大, 请降低进给量。
• 加工直径过分向负方向调整时, 会发生钻头本体干扰加工孔的现象。向负方向调整时, 请采用加工直径大于标称直径时的微调。

规格 specifications



型号 Model	库存 inventory	ΦD1	ΦD2	ΦD3	L1	L2	L3	L4	加工直径 调整范围 Adjustment range machining diameter	中心调整范围 Center adjust ment range
EZ2025	●	20	25	46	49	5	32.5	4	+0.4~-0.2	+0.2 -0.15
EZ2532	●	25	32	51	52	5	38	4	+0.4~-0.2	+0.2 -0.15
EZ3240	●	32	40	54	62	5	43	4	+0.4~-0.2	+0.2 -0.15
EZ4050	●	40	40	69	63	5	55	4	+0.6~-0.2	+0.3 -0.2

※请对应TDX钻头的ΦDs和EZ导套的ΦD1进行选择。
※ Please correspond to the TDX drill bit ΦDs and EZ guide sleeves ΦD1 for selection.

TDX型TAC钻头的使用注意事项 Precautions for using TDX type TAC drill bits

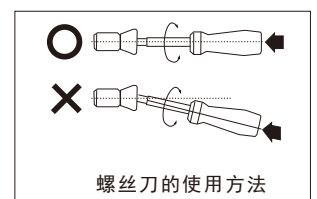
- 请使用刚性马力的机床。
- 叠板加工时会导致刀具破损请不要使用。
- 加工时旋转工件时请与钻头中心吻合一致。
- Please use a machine tool with high rigid horsepower.
- Do not use tools that may be damaged during plate stacking processing.
- When rotating the workpiece during processing, please align it with the center of the drill bit.

切削液的使用注意事项 Precautions for using cutting fluid

- 必须从刀具内部供给切削液。
- 请使用水溶性乳化型切削液。
- 切削液压力必须在1 MPa以上, 供液量在7Q/min左右。4D, 5D型切削液推荐在切削液压力1.5 MPa, 供液量10 g/min以上的条件下使用。
- Cutting fluid must be supplied from inside the tool.
- Please use water-soluble emulsified cutting fluid.
- The cutting fluid pressure must be above 1 MPa, and the supply volume should be around 7Q/min. 4D The 5D cutting fluid is recommended to be used under cutting fluid pressure of 1.5 MPa and a supply volume of 10 g/min or more.

刀片装卸时的注意事项 安装刀片前, 要除去刀片座上的杂物。 Precautions during blade loading and unloading: Before installing the blade, remove any debris from the blade holder.

- 使用扳手时, 要将螺钉轴与螺钉前进方向保持一致, 按住螺钉头部操作。扳手轴倾斜时, 扳手前端为圆形时, 有时可能取不下刀片。(右图)
- 安装刀片时注意不要使刀片底面与钻头本体上的刀片底座面之间存在间隙。
- 长期使用后, 损坏及变形明显的螺钉, 请尽量更换。(面)
- When using a wrench, keep the screw axis in the same direction as the screw's forward direction and press and hold the screw head for operation. When the wrench shaft is tilted and the front end of the wrench is circular, sometimes the blade may not be removed. (Right image)
- When installing the blade, be careful not to create a gap between the bottom surface of the blade and the bottom surface of the blade seat on the drill bit body.
- After long-term use, screws that are significantly damaged or deformed should be replaced as much as possible. (Face)



螺丝刀的使用方法

快速
钻孔

镗孔
加工
系统

钻头

铰刀

快速
钻头

铲钻

定心
钻头

VMD
大钻头

钻尖

空心
钻头

油路
配件

LBK
BST
镗孔
刀柄

HBOR
CBI
CBH
精镗
系统

NBJ
NBH
4D
镗孔
套装

TWE
RBH
粗镗
系统

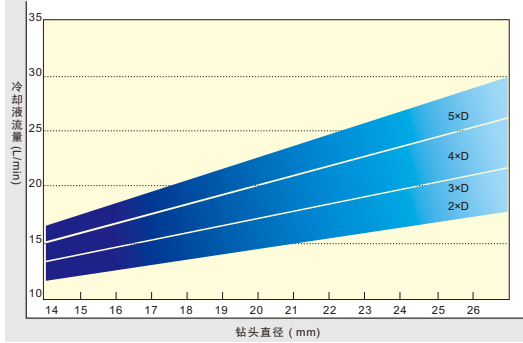
钻头

铰刀

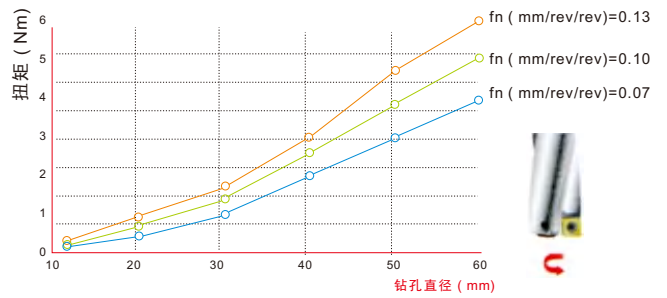
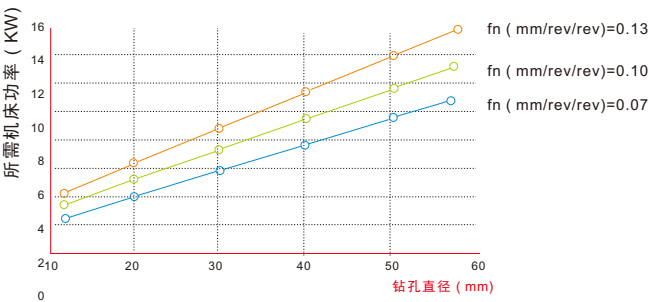
快速钻头规格型号命名规则

ZD		03		30.0		XP		32		W		C		05		
刀具类型		长径比		刀杆直径		刀具类型		刀具安装部位尺寸(mm)		刀具形状		刀片后角		刀片后角		
代号	说明	02,03,04,05		范围	14.0-60.0	代号	说明	20,25,32,40		W		C	7°	代号 刃长		
ZD	浅孔钻			16mm-58mm		XP	削平钻			S		D	15°	03	3.8	-
												P	11°	04	4.3	-
														05	5.4	-
														06	6.5	6.35
														08	8.7	8.0
														09	-	9.925
														12	-	12.7

冷却液流量 (L/min)



加工功率要求



快速钻头切削数据参考表

快钻直径	材质	转速	2D切削速	3D切削速	4D切削速	5D切削速	材质
Diameter	Material	RPM	2xD Feeding	3xD Feeding	4xD Feeding	5xD Feeding	Material
14-17	一般钢 Steel	2500-2300	Lathe F0.06-0.07 Machine F150-180	Lathe F0.06-0.07 Machine F150-180	Lathe F0.05-0.06 Machine F130-150	Lathe F0.05-0.06 Machine F130-150	特殊钢 Special Material 转速降低20%-30%
18-20		2300-2100	Lathe F0.085-0.10 Machine F180-200	Lathe F0.085-0.10 Machine F180-200	Lathe F0.06-0.07 Machine F150-170	Lathe F0.06-0.07 Machine F150-170	
21-23		2100-1900	Lathe F0.085-0.10 Machine F180-200	Lathe F0.085-0.10 Machine F180-200	Lathe F0.06-0.07 Machine F150-170	Lathe F0.06-0.07 Machine F150-170	
24-26		1800-1700	Lathe F0.10-0.12 Machine F170-200	Lathe F0.10-0.12 Machine F170-200	Lathe F0.09-0.11 Machine F160-180	Lathe F0.08-0.09 Machine F150-180	
27-29		1600-1500	Lathe F0.10-0.13 Machine F160-200	Lathe F0.10-0.13 Machine F160-200	Lathe F0.10-0.12 Machine F140-170	Lathe F0.09-0.11 Machine F140-160	
30-32		1500-1400	Lathe F0.10-0.13 Machine F150-180	Lathe F0.10-0.13 Machine F150-180	Lathe F0.10-0.12 Machine F140-170	Lathe F0.09-0.11 Machine F130-150	
33-35		1400-1300	Lathe F0.10-0.13 Machine F130-160	Lathe F0.10-0.13 Machine F140-170	Lathe F0.10-0.12 Machine F130-160	Lathe F0.10-0.12 Machine F130-160	
36-38		1300-1200	Lathe F0.10-0.13 Machine F120-150	Lathe F0.10-0.13 Machine F130-150	Lathe F0.10-0.12 Machine F120-150	Lathe F0.09-0.11 Machine F110-130	
39-41		1200-1100	Lathe F0.10-0.13 Machine F110-140	Lathe F0.10-0.13 Machine F110-140	Lathe F0.10-0.12 Machine F110-130	Lathe F0.09-0.11 Machine F100-120	
42-44		1100-1000	Lathe F0.11-0.14 Machine F105-135	Lathe F0.11-0.13 Machine F105-135	Lathe F0.10-0.12 Machine F95-120	Lathe F0.09-0.11 Machine F90-110	
45-47		1000-950	Lathe F0.11-0.14 Machine F100-130	Lathe F0.10-0.13 Machine F100-120	Lathe F0.10-0.12 Machine F90-110	Lathe F0.09-0.11 Machine F80-100	
48-50		950-900	Lathe F0.11-0.14 Machine F95-120	Lathe F0.10-0.13 Machine F90-110	Lathe F0.10-0.12 Machine F85-105	Lathe F0.09-0.11 Machine F75-95	
51-53		900-850	Lathe F0.11-0.14 Machine F95-110	Lathe F0.10-0.13 Machine F80-100	Lathe F0.10-0.12 Machine F80-100	Lathe F0.09-0.11 Machine F70-85	
54-56		850-800	Lathe F0.11-0.14 Machine F85-105	Lathe F0.10-0.13 Machine F75-95	Lathe F0.10-0.12 Machine F75-95	Lathe F0.09-0.11 Machine F65-80	
57-60		800-750	Lathe F0.11-0.14 Machine F80-100	Lathe F0.10-0.13 Machine F70-90	Lathe F0.10-0.12 Machine F70-90	Lathe F0.09-0.11 Machine F60-75	

快速钻相关参数计算方法

钻头转速

$$S = \frac{V_c \times 1000}{\pi \times D_c}$$

Vc(m/min):线速度
Dc(mm):钻头
S(rev/min):转速

实例
刀片线速度120 m/min, 钻头直径为20mm, 其钻头转速: $S = \frac{120 \times 1000}{3.14 \times 20} = 1900 \text{ rev/min}$

进给速度

$$V_f = F_r \times S$$

进给速度
Vf(mm/min):进给速度
Fr(mm/rev):每转进给量
S(rev/min):主轴转速

实例
主轴转速1900 rev/min, 每转进给量为0.1mm/rev, 进给速度: $V_f = F_r \times S = 1900 \times 0.1 = 190 \text{ mm/min}$

孔加工时间

$$T_c = \frac{H \times i}{S \times f} \times 60$$

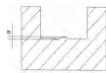
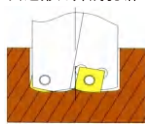
Tc(s):加工时间(秒)
S(rev/min):主轴转速
H(mm):钻孔深
f(mm/rev):每转进给量
i:被加工孔的数量

实例
钻1个15mm的孔, 深30mm, 切削线速度80m/min, 每转进给0.11mm, 求加工时间
 $S = \frac{80 \times 1000}{3.14 \times 15} = 1698.5 \text{ rev/min}$
 $T_c = \frac{30 \times 1 \times 60}{1698.5 \times 0.11} = 9.63 \text{ s}$

盲孔底面尺寸说明 blind substrate dimension instruction

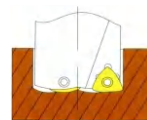
刀片规格	波浪高度a
SPMG050204	0.30mm
SPMG060204	0.40mm
SPMG07T308	0.50mm
SPMG090408	0.70mm
SPMG1010408	0.80mm
SPMG140512	0.90mm

四边形刀片浅孔钻

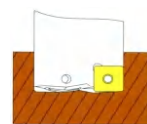


刀片规格	波浪高度a
WCMX030208	0.50mm
WCMX040208	0.60mm
WCMX050308	0.80mm
WCMX060308	0.95mm
WCMX080412	1.25mm
WCMX030208	0.40mm
SPMG050204	0.40mm
SPMG060204	0.50mm
SPMG070308	0.70mm
SPMG090408	0.70mm
WCMX060308	0.90mm
SPMG110408	0.90mm
WCMX080412	1.20mm
SPMG140512	1.20mm

等边不等角六边形刀片浅孔钻



四边形和六边形组合刀片浅孔钻



QD系列快速钻头推荐的切削参数

QD.. Type Technical Information

	被加工材料 materials	条件 Heat Treatment	拉伸力 (N/mm ²) drawing force	布式硬度 (HB) hardness	切削速度 Vc(m/min) cutting speed	进给(mm/rev) Feed rate(mm/rev)						
						D 10	D=10-11.9	D=12-13.9	D=14-15.9	D=16-19.9	D=20-25.9	
非合金钢 Unalloyed steel	<0.25%C	退火 Annealed	420	125	80~140							
		>=0.25%C 退火 Annealed	650	190	80~130	0.12	0.15	0.18	0.20	0.25	0.25	
	铸铁 Cast Iron	<0.55%C	退火和调质 Annealed And Tempering	850	250	80~20	0.17	0.21	0.24	0.27	0.35	0.35
		>=0.55%C	退火 Annealed	750	220	70~110	0.22	0.28	0.30	0.35	0.45	0.45
	易切削钢 Free Cutting Steel	退火和调质 Annealed And Tempering	1000	300	50~90							
	低碳合金钢 Low Carbon Steel	退火 Annealed		600	200	70~120						
				930	275	70~110	0.12	0.14	0.16	0.18	0.23	0.25
		退火和调质 Annealed And Tempering		1000	300	50~90	0.18	0.21	0.24	0.26	0.31	0.35
				1200	350	40~70	0.25	0.28	0.32	0.35	0.40	0.45
	高合金钢, 铸钢 High Alloy Steel, Cast Iron	退火 Annealed	680	200	50~90	0.12	0.12	0.15	0.18	0.20	0.22	
工具钢 Tool Steel	退火和调质 Annealed And Tempering	1100	325	40~80	0.16	0.17	0.20	0.23	0.25	0.27		
不锈钢, 铸钢 Stainless Steel Cast Iron	铁素体, 马氏体 Ferritic / Martensite		680	200	40~70	0.20	0.22	0.25	0.28	0.30	0.33	
		马氏体 Martensite	820	240	40~70	0.10	0.12	0.14	0.16	0.16	0.18	
		奥氏体 Austenitic	600	180	30~70	0.12	0.15	0.17	0.20	0.21	0.24	
灰铸铁 (GG) Gray Cast Iron	铁素体 Ferritic			160	90~160							
		珠光体 Pearlitic		250	80~140	0.15	0.18	0.20	0.24	0.26	0.30	
	球墨铸铁 Nodular Sg Iron	铁素体 Ferritic		180	90~180	0.15	0.20	0.25	0.30	0.35	0.34	
		珠光体 Pearlitic		260	80~140	0.22	0.27	0.32	0.37	0.45	0.37	
	可锻铸铁 Malleable Cast Iron	铁素体 Ferritic		130	90~160	0.30	0.35	0.40	0.45	0.55	0.60	
		珠光体 Pearlitic		230	80~140							
锻铝合金 Cast Aluminium Alloy	未固化 Unsolidification			60	90~220							
		固化 Solidification		100	90~220							
	铸铝合金 Cast Aluminium Alloy	<=12%Si	未固化 Unsolidification		75	90~220	0.20	0.25	0.30	0.35	0.40	0.45
			固化 Solidification		90	90~220	0.27	0.32	0.37	0.42	0.50	0.57
		<12%Si	高温处理 High Temperature Treatment		130	80~160	0.35	0.40	0.45	0.50	0.60	0.70
	>1%Pb	易切 Free Cutting		110	90~220							
		铜合金 Copper Alloy	黄铜 Copper		90	90~220						
		电解铜 Cathode Copper		100	90~220							
	非铁金属 Non-metallic Material	塑料纤维 Plastic Fiber										
		硬橡胶 Hard Rubber										
高温合金 High Temperature Alloys	铁基 Iron-base	退火 Annealed			30~60	0.06	0.08	0.10	0.12	0.12	0.14	
		固化 Solidification		200	20~50	0.08	0.10	0.12	0.15	0.16	0.18	
		退火 Annealed		280	20~50	0.11	0.13	0.15	0.18	0.20	0.22	
	镍基或 Inckel Base 钴基 Cobolt Base	固化 Solidification		250	20~50	0.06	0.08	0.10	0.12	0.14	0.16	
		Cast		350	20~50	0.09	0.11	0.14	0.16	0.18	0.20	
		钛, 钛合金 Titanium, titanium Alloys	$\alpha + \beta$ 合金化 $\alpha + \beta$ alloys		320	20~50	0.12	0.15	0.18	0.20	0.22	0.25
高硬钢 Hard Steel	淬硬 Harden			55HRC	20~50	0.09	0.11	0.14	0.16	0.18	0.20	
				60HRC	20~50	0.12	0.15	0.18	0.20	0.22	0.25	
	冷硬铸铁 Chiled Cast Iron	铸造 Cast		400								
	铸铁 Cast Iron	淬硬 Harden		55HRC								

* 如果选用超过8倍径的和无冷却水孔的刀体请降低切削速度和进给率

* Lower cutting speed and feed rate should be used for tool holders of 8D or 12D and without coolant

快速
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NBJ
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镗孔
套装

TWE
RBH
粗镗
系统

钻头

铰刀

粗镗 Rough boring

刀柄接口 LBK 镗孔范围20~204mm 粗镗加工	刀柄接口 BST 镗孔范围200~810mm 粗镗加工	刀柄接口 LBK 镗孔范围19~204mm 粗镗加工	刀柄接口 BST 镗孔范围200~1200mm 粗镗加工	固定式粗镗 镗孔范围0~50mm 粗镗孔加工	固定式粗镗 镗孔范围45~130mm 粗镗孔加工

镗外圆 Boring Outer Circle

刀柄接口 LBK 精镗范围23~107mm 精镗孔微调0.01mm	刀柄接口 LBK 精镗范围5~52mm 精镗孔微调0.01mm

反镗 Reverse boring

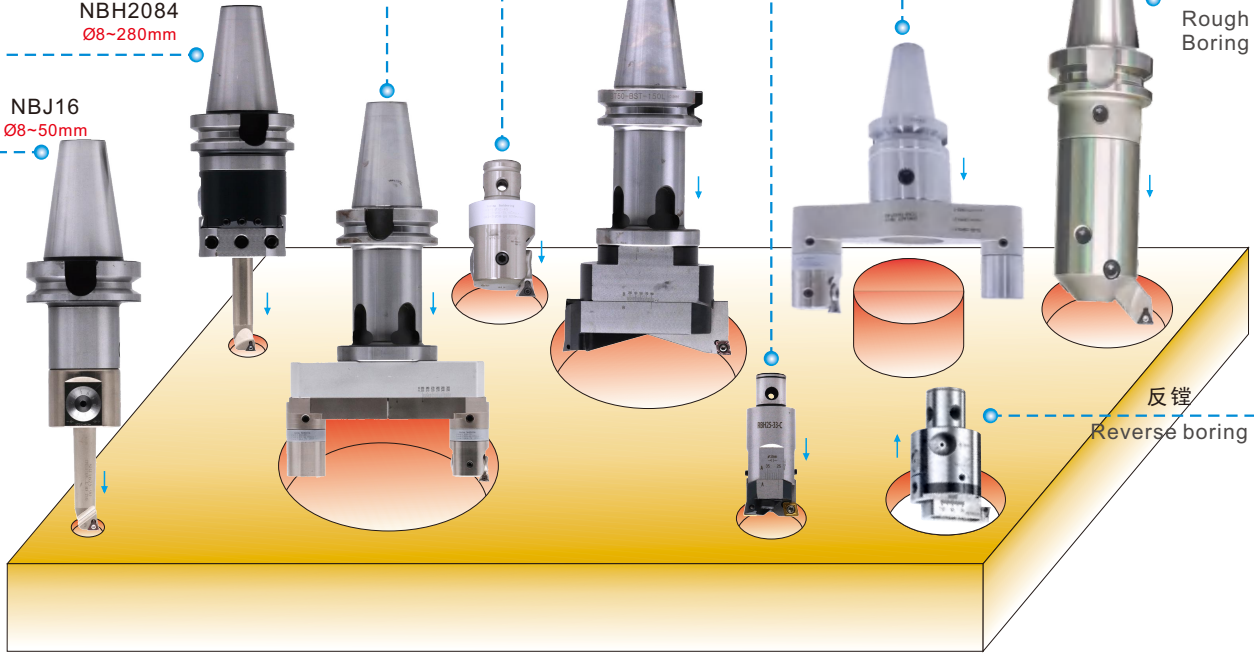
刀柄接口 CK 精镗范围29~160mm 精镗孔微调0.002mm

粗镗 Rough boring

Ø200~1200mm | Ø20~204mm

精镗 Fine boring

Ø200~1250mm | Ø2~203mm



粗镗 Rough boring

刀杆角度 30° 镗孔范围20~190mm 粗镗加工	刀杆角度 45° 镗孔范围20~190mm 粗镗加工	刀杆角度 90° 镗孔范围20~190mm 粗镗加工	刀杆角度 30° 镗孔范围20~190mm 粗镗加工	刀杆角度 45° 镗孔范围20~190mm 粗镗加工	刀杆角度 90° 镗孔范围20~190mm 粗镗加工	
刀柄接口 BT柄 镗孔范围20~190mm 粗镗加工	刀柄接口 LBK 镗孔范围20~190mm 粗镗加工	刀柄接口 BT柄 镗孔范围20~190mm 粗镗加工	刀柄接口 LBK 镗孔范围20~190mm 粗镗加工	刀杆角度 30° 镗孔范围20~190mm 粗镗加工	刀杆角度 45° 镗孔范围20~190mm 粗镗加工	刀杆角度 90° 镗孔范围20~190mm 粗镗加工

精镗 Fine boring

刀柄接口 CK 精镗范围29~160mm 精镗孔微调0.002mm	刀柄接口 CK 精镗范围2~160mm 精镗孔微调0.002mm	适配刀柄 HBOR 精镗范围2~10mm 精镗孔微调0.002mm	刀柄接口 LBK 精镗范围20~203mm 精镗孔微调0.01mm	刀柄接口 LBK 精镗范围200~1250mm 精镗孔微调0.01mm	刀柄接口直柄 精镗范围20~42mm 精镗孔微调0.01mm	刀柄接口直柄 镗孔范围10~50mm 半精镗加工

小孔精镗及套装

Small hole fine boring and suit

刀柄接口 LBK 精镗范围3~50mm 精镗孔微调0.01mm	刀柄接口 LBK 精镗范围3~50mm 精镗孔微调0.01mm	刀柄接口 ST 精镗范围9~42mm 精镗孔微调0.01mm	刀柄接口直柄 精镗范围9~42mm 精镗孔微调0.01mm	刀柄接口直柄 刀具直径转换 精镗孔微调0.01mm	适配刀柄 CBI 精镗范围2~10mm 精镗孔微调0.01mm	套装 8支装 精镗范围8~50mm 精镗孔微调0.01mm	套装 8支装 精镗范围8~280mm 精镗孔微调0.01mm

适配镗头 直径200mm以上镗刀 镗刀刀柄	适配镗头 NBH2084 镗刀刀柄	适配镗头 直径200mm以下镗刀 镗刀刀柄	适配镗头 直径200mm以下镗刀 镗刀刀柄	适配镗头 直径200mm以下镗刀 镗刀刀柄	适配镗头 直径200mm以下镗刀 镗刀刀柄	适配镗头 直径200mm以下镗刀 镗刀刀柄	适配镗头 直径200mm以下镗刀 镗刀刀柄	适配镗头 直径200mm以下镗刀 镗刀刀柄	适配镗头 直径200mm以下镗刀 镗刀刀柄	倒角角度 45° 倒角范围5~160mm 倒角加工	镗刀配件 各种规格 镗孔加工

快速
钻孔

镗孔
加工
系统

钻头

铰刀

快速
钻头

铲钻

定心
钻头

VMD
大钻头

钻尖

空心
钻头

油路
配件

LBK
BST
镗孔
刀柄

HBOR
CBI
CBH
精镗
系统

NBJ
NBH
镗孔
套装

TWE
RBH
粗镗
系统

钻头

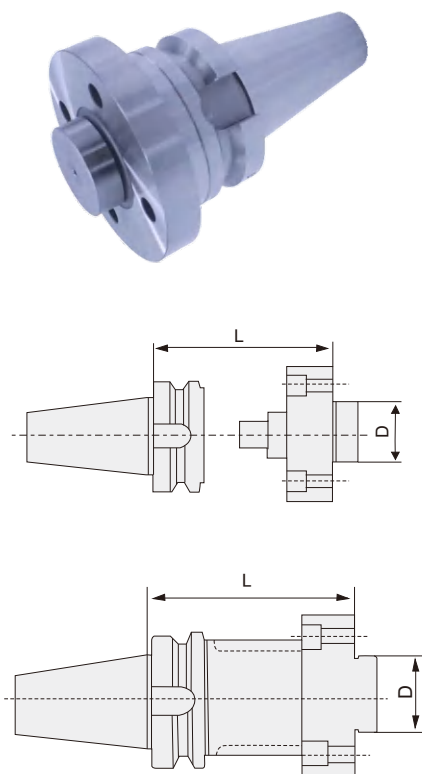
铰刀

NBH/BST镗孔刀柄

NBH / BST Boring Tool Holder

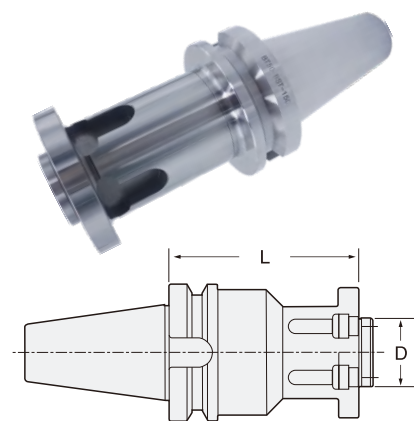
NBH2084 镗头刀柄

NBH2084 Boring Cutter Toolholder



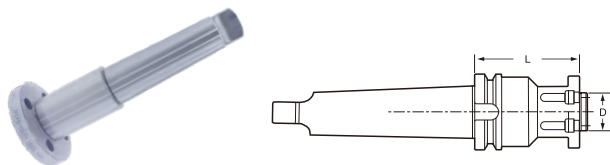
BST镗头刀柄

BST Boring Cutter Toolholder



BST粗精镗孔刀头基础柄系列 (镗孔范围 > Ø200)

BST Basic Holder For Roughness And Precision Boring Bar (boring Range > Ø200)



编码 Order	型号 Model	尺寸 Size (mm)		单价 RMB
		D	L	
511000	BT30-NBH2084	35	55	600
511002	BT40-NBH2084	35	45	476
511004	BT50-NBH2084	35	55	950
511006	NT30-NBH2084	35	55	600
511008	NT40-NBH2084(5/8)	35	25	600
511010	NT40-NBH2084	35	25	600
511012	NT50-NBH2084	35	25	1200
511014	SK40-NBH2084	35	55	600
511016	SK50-NBH2084	35	55	1200
511018	BBT40-NBH2084	35	45	2501
511020	BBT50-NBH2084	35	55	3500
511022	CAT40-NBH2084	35	55	750
511024	CAT50-NBH2084	35	55	1500
511026	HSK63A-NBH2084	35	85	2501
511028	HSK100A-NBH2084	35	90	3500
511030	ISO40-NBH2084	35	45	750
511032	ISO50-NBH2084	35	55	1500
511034	C20-NBH2084	35	15	1001
511036	R8-NBH2084	35	15	600
511038	BT40-NBH2084-100L	35	100	1001
511040	BT40-NBH2084-150L	35	150	1500
511042	BT40-NBH2084-200L	35	200	2000
511044	BT40-NBH2084-250L	35	250	2501
511046	BT50-NBH2084-100L	35	100	1200
511048	BT50-NBH2084-150L	35	150	1500
511050	BT50-NBH2084-200L	35	200	2000
511052	BT50-NBH2084-250L	35	250	2501
511054	BT50-NBH2084-300L	35	300	3000
511056	MT3-NBH2084	35	15	701
511058	MT4-NBH2084	35	15	701
511060	MT5-NBH2084	35	15	851
511062	MT6-NBH2084	35	15	1100
511064	MTB3-NBH2084	35	15	701
511066	MTB4-NBH2084	35	15	701
511068	MTB5-NBH2084	35	15	851
511070	MTB6-NBH2084	35	15	1100

编码 Order	型号 Model	尺寸 Size (mm)		单价 RMB
		D	L	
511072	BT40-BST-70	50	70	1100
511074	BT40-BST-100	50	100	1100
511076	BT40-BST-150	50	150	1301
511078	BT40-BST-200	50	200	1400
511080	BT50-BST-100	50	100	1100
511082	BT50-BST-150	50	150	1301
511084	BT50-BST-200	50	200	1400
511086	BT50-BST-250	50	250	1751
511088	BT50-BST-300	50	300	2000
511090	BT50-BST-350	50	350	2250
511092	BT50-BST-400	50	400	2501
511094	BT50-BST-450	50	450	3251
511096	BT50-BST-500	50	500	4001
511098	SK40-BST-100	50	100	1500
511100	SK40-BST-150	50	150	2000
511102	SK50-BST-100	50	100	1500
511104	SK50-BST-150	50	150	2000
511106	SK50-BST-200	50	200	2501
511108	SK50-BST-250	50	250	3000
511110	SK50-BST-300	50	300	3500
511112	NT50-BST-100	50	100	1500
511114	NT50-BST-150	50	150	2000

编码 Order	型号 Model	尺寸 Size (mm)		单价 RMB
		D	L	
511116	MT4-BST-100	50	100	1000
511118	MT5-BST-100	50	100	1000
511120	MT6-BST-100	50	100	1333
511122	MT6-BST-150	50	150	1667
511124	MT6-BST-200	50	200	2000
511126	MT6-BST-250	50	250	2333

快速
钻孔

镗孔
加工
系统

钻头

铰刀

快速
钻头

铲钻

定心
钻头

VMD
大钻头

钻尖

空心
钻头

油路
配件

LBK
BST
镗孔
刀柄

HBOR
CBI
CBH
精镗
系统

NBJ
NBH
镗孔
套装

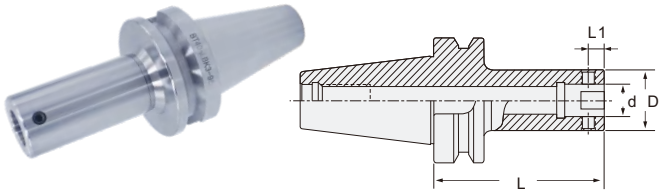
TWE
RBH
粗镗
系统

钻头

铰刀

BT-LBK 镗头刀柄

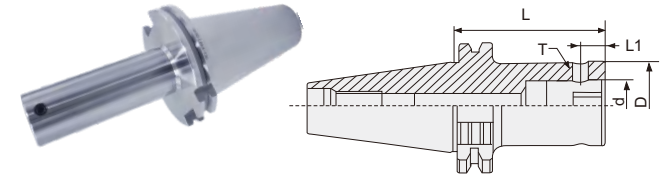
BT-LBK Boring Cutter Toolholder



编码 Order	型号 Model	尺寸 Size (mm)				螺丝 SCREW	单价 RMB
		D	d	L1	L		
511200	BT30 LBK1-70	19	11	5.05	75	SM4	350
511202	LBK1-105	19	11	5.05	105		350
511204	LBK2-80	24	11	5.05	130	SM5	475
511206	LBK2-115	24	11	5.05	165		600
511208	LBK3-80	31	11	5.05	195	SM6	1000
511210	LBK3-110	31	28	6.62	75		350
511212	LBK4-70	39	28	6.62	125	SM8	350
511214	LBK4-115	39	28	6.62	175		475
511216	LBK5-70	50	28	6.62	235	SM10	600
511218	LBK5-130	50	14	13	110		1000
511220	LBK6-60	64	14	13	140	SM12	350
511222	LBK6-125	64	14	13	175		350
511224	BT40 LBK1-75	19	14	13	235	SM4	600
511226	LBK1-105	19	11	5.05	85		1000
511228	LBK1-130	19	11	5.05	115	SM4	900
511230	LBK1-165	19	14	6.62	150		1000
511232	LBK1-195	19	14	6.62	175	SM5	1100
511234	LBK2-85	24	18	8	220		1820
511236	LBK2-115	24	18	8	95	SM5	350
511238	LBK2-130	24	22	10	125		600
511240	LBK2-165	24	22	10	155	SM5	350
511242	LBK2-200	24	28	13	210		600
511244	LBK3-95	31	28	13	70	SM6	350
511246	LBK3-125	31	36	16	105		600
511248	LBK3-155	31	36	16	80	SM6	350
511250	LBK3-210	31	14	6.62	115		600
511252	LBK4-85	39	14	6.62	80	SM8	350
511254	LBK4-115	39	14	6.62	110		600
511256	LBK4-150	39	14	6.62	70	SM8	350
511258	LBK4-175	39	14	6.62	115		600
511260	LBK4-220	39	22	10	70	SM10	350
511262	LBK5-75	50	22	10	130		350
511264	LBK5-125	50	22	10	60	SM10	475
511266	LBK5-175	50	22	10	125		600
511268	LBK5-235	50	22	10	85	SM12	1000
511270	LBK6-65	64	18	8	115		350
511272	LBK6-115	64	18	8	130	SM12	350
511274	LBK6-165	64	18	8	165		600
511276	LBK6-200	64	18	8	200	SM12	1000
511278	LBK6-240	64	36	16	65		350
511280	BT50 LBK1-115	19	36	16	115	SM4	350
511282	LBK1-145	19	36	16	165		600
511284	LBK1-175	19	36	16	200	SM4	1000
511286	LBK1-200	19	36	16	240		1000
511288	LBK2-110	24	11	5.05	115	SM5	900
511290	LBK2-140	24	11	5.05	145		1000
511292	LBK2-175	24	11	5.05	175	SM5	1100
511294	LBK2-235	24	11	5.05	200		1350
511296	LBK3-125	31	28	13	105	SM6	900
511298	LBK3-155	31	28	13	180		1000
511300	LBK3-185	31	28	13	240	SM6	1100
511302	LBK3-215	31	28	13	300		1260
511304	LBK3-255	31	28	13	350	SM6	1540
511306	LBK4-130	39	18	8	125		1820
511308	LBK3-350	31	18	8	155	SM8	2500
511310	LBK4-115	39	18	8	185		900
511312	LBK4-145	39	18	8	215	SM8	1100
511314	LBK4-175	39	18	8	255		1260
511316	LBK4-205	39	18	8	290	SM8	1820
511318	LBK4-255	39	18	8	350		2500
511320	LBK4-305	39	22	10	115	SM10	900
511322	LBK4-355	39	22	10	145		1000
511324	LBK5-105	50	22	10	175	SM10	1100
511326	LBK5-180	50	22	10	205		1260
511328	LBK5-240	50	22	10	255	SM10	1540
511330	LBK5-300	50	22	10	305		1820
511332	LBK5-350	50	22	10	355	SM12	2500
511334	LBK6-95	64	36	16	95		900
511336	LBK6-140	64	36	16	140	SM12	1100
511338	LBK6-170	64	36	16	170		1100
511340	LBK6-230	64	36	16	230	SM12	1260
511342	LBK6-290	64	36	16	290		1820
511344	LBK6-350	64	36	16	350	SM12	2500
511346	LBK6-400	64	36	16	400		3000
511348	LBK6-450	64	36	16	450	SM12	3500
511350	LBK6-500	64	36	16	500		4000
511352	LBK6-550	64	36	16	550	SM12	4500
511354	LBK6-600	64	36	16	600		5000
511356	LBK6-650	64	36	16	650	SM12	5500
511358	LBK6-700	64	36	16	700		6000

SK-LBK 镗刀柄

SK-LBK Boring Cutter Toolholder



编码 Order	型号 Model	尺寸 Size (mm)				螺丝 SCREW	单价 RMB
		D	d	L1	L		
511360	SK40 LBK1-105	19	11	5.05	105	SM4	600
511362	LBK2-115	24	14	6.62	115	SM5	600
511364	LBK3-125	31	18	8	125	SM6	600
511366	LBK4-130	39	22	10	130	SM8	600
511368	LBK5-125	50	28	13	125	SM10	600
511370	LBK6-65	64	36	16	65	SM12	600
511372	SK50 LBK1-105	19	11	5.05	105	SM4	1500
511374	LBK2-115	24	14	6.62	115	SM5	1500
511376	LBK3-125	31	18	8	125	SM6	1500
511378	LBK4-130	39	22	10	130	SM8	1500
511380	LBK4-170	39	22	10	170	SM8	2000
511382	LBK5-125	50	28	13	125	SM10	1500
511384	LBK5-180	50	28	13	180	SM10	2000
511386	LBK5-240	50	28	13	240	SM10	2750
511388	LBK6-115	64	36	16	115	SM12	1500
511390	LBK6-170	64	36	16	170	SM12	2000
511392	LBK6-230	64	36	16	230	SM12	2750
511394	LBK6-290	64	36	16	290	SM12	3750

HSK-LBK 镗刀柄

HSK-LBK Boring Cutter Toolholder



编码 Order	型号 Model	尺寸 Size (mm)				螺丝 SCREW	单价 RMB
		D	d	L1	L		
511396	HSK50A LBK1-70	19	11	5.05	70	SM4	3750
511398	LBK2-80	24	14	6.62	80	SM5	3750
511400	LBK3-80	31	18	8	80	SM6	3750
511402	LBK4-70	39	22	10	70	SM8	3750
511404	LBK5-70	50	28	13	70	SM10	3750
511406	LBK6-90	64	36	16	90	SM12	3750
511408	HSK63A LBK1-75	19	11	5.05	75	SM4	2250
511410	LBK1-105	19	11	5.05	105		2250
511412	LBK1-135	19	11	5.05	135	SM4	2500
511414	LBK1-165	19	11	5.05	165		2750
511416	LBK2-85	24	14	6.62	85	SM5	2250
511418	LBK2-115	24	14	6.62	115		2250
511420	LBK2-130	24	14	6.62	130	SM5	2500
511422	LBK2-165	24	14	6.62	165		2750
511424	LBK3-95	31	18	8	95	SM6	2250
511426	LBK3-125	31	18	8	125		2250
511428	LBK3-155	31	18	8	155	SM6	2500
511430	LBK4-85	39	22	10	85		2250
511432	LBK4-130	39	22	10	130	SM8	2500
511434	LBK4-175	39	22	10	175		2750
511436	LBK5-75	50	28	13	75	SM10	2250
511438	LBK5-125	50	28	13	125		2250
511440	LBK5-175	50	28	13	175	SM10	2750
511442	LBK6-65	64	36	16	65		2250
511444	LBK6-115	64	36	16	115	SM12	2250
511446	LBK6-165	64	36	16	165		2750
511448	HSK100A LBK1-115	19	11	5.05	115	SM4	3500
511450	LBK1-145	19	11	5.05	145		3500
511452	LBK2-110	24	14	6.62	110	SM5	3500
511454	LBK2-140	24	14	6.62	140		3500
511456	LBK2-175	24	14	6.62	175	SM5	4000
511458	LBK3-125	31	18	8	125		3500
511460	LBK3-155	31	18	8	155	SM6	3500
511462	LBK3-185	31	18	8	185		4000
511464	LBK3-215	31	18	8	215	SM6	5000
511466	LBK4-115	39	22	10	115		3500
511468	LBK4-160	39	22	10	160	SM8	4000
511470	LBK4-205	39	22	10	205		5000
511472	LBK5-105	50	28	13	105	SM10	3500
511474	LBK5-180	50	28	13	180		4000
511476	LBK5-240	50	28	13			

NBH/BST镗孔刀柄

NBH / BST Boring Tool Holder

C20/25/32-LBK 镗刀柄

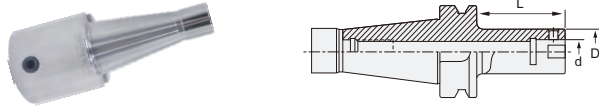
C20/25/32-LBK Boring Cutter Toolholder



编码 Order	型号 Model	尺寸 Size (mm)					螺丝 SCREW	单价 RMB
		D1	D	d	L1	L		
511490	C20-LBK1-75	20	19	11	107.5	75	SM4	1000
511492	LBK2-70	20	24	14	105.5	70	SM5	1000
511494	LBK2-120	20	24	14	155.5	120	SM5	1000
511496	LBK3-70	20	31	18	110	70	SM6	1000
511498	LBK3-120	20	31	18	160	120	SM6	1000
511500	LBK4-60	20	39	22	117	60	SM8	1000
511502	LBK4-110	20	39	22	157	110	SM8	1000
511504	LBK5-60	20	50	28	117	60	SM10	1500
511506	LBK5-120	20	50	28	177	120	SM10	1500
511508	LBK6-60	20	64	36	131	60	SM12	1500
511510	LBK6-120	20	64	36	191	120	SM12	1500
511512	C25-LBK1-75	25	19	11	107.5	75	SM4	1000
511514	LBK2-70	25	24	14	105.5	70	SM5	1000
511516	LBK2-120	25	24	14	155.5	120	SM5	1000
511518	LBK3-70	25	31	18	110	70	SM6	1000
511520	LBK3-120	25	31	18	160	120	SM6	1000
511522	LBK4-60	25	39	22	117	60	SM8	1000
511524	LBK4-110	25	39	22	157	110	SM8	1000
511526	LBK5-60	25	50	28	117	60	SM10	1500
511528	LBK5-120	25	50	28	177	120	SM10	1500
511530	LBK6-60	25	64	36	131	60	SM12	1500
511532	LBK6-120	25	64	36	191	120	SM12	1500
511534	C32-LBK1-75	32	19	11	107.5	75	SM4	1000
511536	LBK2-70	32	24	14	105.5	70	SM5	1000
511538	LBK2-120	32	24	14	155.5	120	SM5	1000
511540	LBK3-70	32	31	18	110	70	SM6	1000
511542	LBK3-120	32	31	18	160	120	SM6	1000
511544	LBK4-60	32	39	22	117	60	SM8	1000
511546	LBK4-110	32	39	22	157	110	SM8	1000
511548	LBK5-60	32	50	28	117	60	SM10	1500
511550	LBK5-120	32	50	28	177	120	SM10	1500
511552	LBK6-60	32	64	36	131	60	SM12	1500
511554	LBK6-120	32	64	36	191	120	SM12	1500

NT-LBK 镗刀柄(公制牙)

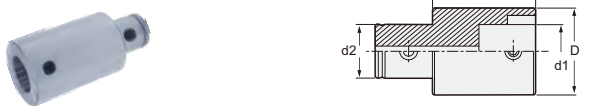
NT-LBK Boring Cutter Toolholder(Metric)



编码 Order	型号 Model	尺寸 Size (mm)				螺丝 SCREW	单价 RMB
		D	d	L	D1		
511556	NT40-LBK1-75	19	11	75	SM4	600	
511558	LBK2-85	24	14	85	SM5	600	
511560	LBK3-95	31	18	95	SM5	600	
511562	LBK4-85	39	22	85	SM6	600	
511564	LBK5-75	50	28	75	SM6	600	
511566	LBK6-65	64	36	65	SM8	600	
511568	LBK6-65(5/8)	64	36	65	SM8	600	
511570	NT50-LBK1-105	19	11	105	SM4	1200	
511572	LBK2-110	24	14	110	SM5	1200	
511574	LBK3-125	31	18	125	SM6	1200	
511576	LBK4-115	39	22	115	SM8	1200	
511578	LBK5-105	50	28	105	SM10	1200	
511580	LBK6-95	64	36	95	SM12	1200	
511582	LBK6-170	64	36	170	SM12	2000	
511584	LBK6-230	64	36	230	SM12	2750	
511586	LBK6-290	64	36	290	SM12	3750	

CK等径延长接柄

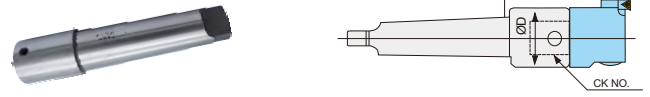
CK Extension Toolholder of the same diameter



编码 Order	型号 Model	尺寸 Size (mm)				螺丝 SCREW	单价 RMB
		D	d1	d2	L		
511588	CK1- 1-30	19	11	11	30	SM4	400
511590	CK2- 2-30	24	14	14	30	SM5	400
511592	2-45	24	14	14	45	SM5	400
511594	CK3- 3-30	31	18	18	30	SM6	400
511596	3-45	31	18	18	45	SM6	400
511598	CK4- 4-45	39	22	22	45	SM8	400
511600	4-60	39	22	22	60	SM8	450
511602	CK5- 5-60	50	28	28	60	SM10	500
511604	5-90	50	28	28	90	SM10	600
511606	CK6- 6-60	64	36	36	60	SM12	500
511608	6-100	64	36	36	100	SM12	600
511610	6-120	64	36	36	120	SM12	750

MT-DCK 镗刀柄

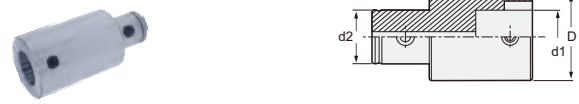
MT-DCK Boring Cutter Toolholder



编码 Order	型号 Model	尺寸 Size (mm)			螺丝 SCREW	单价 RMB
		D	d	L		
511620	MTA3-DCK1-47	19	11	47	SM4	600
511622	DCK2-67.5	24	14	67.5	SM5	600
511624	DCK3-64	31	18	64	SM6	600
511626	DCK5-48	50	28	48	SM10	600
511628	MTA4-DCK1-51.5	19	11	51.5	SM4	750
511630	DCK2-74	24	14	74	SM5	750
511632	DCK3-65.5	31	18	65.5	SM6	750
511634	DCK4-59.5	39	22	59.5	SM8	750
511636	DCK5-49.5	50	28	49.5	SM10	750
511638	DCK6-60.5	64	36	60.5	SM12	750
511640	MTA5-DCK1-78.5	19	11	78.5	SM4	1000
511642	DCK2-74	24	14	74	SM5	1000
511644	DCK3-95.5	31	18	95.5	SM6	1000
511646	DCK4-85.5	39	22	85.5	SM8	1000
511648	DCK5-74.5	50	28	74.5	SM10	1000
511650	DCK6-60.5	64	36	60.5	SM12	1000
511652	MTA6-LBK6-95	64	36	95	SM12	1200
511654	LBK6-170	64	36	170	SM12	1750
511656	LBK6-230	64	36	230	SM12	2250
511658	LBK6-290	64	36	290	SM12	2750

LBK等径延长接柄

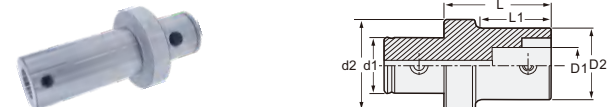
LBK Extension Toolholder of the same diameter



编码 Order	型号 Model	尺寸 Size (mm)				螺丝 SCREW	单价 RMB
		D	d1	d2	L		
511660	LBK1- 1-30	19	11	11	30	SM4	175
511662	1-45	19	11	11	45	SM4	200
511664	1-60	19	11	11	60	SM4	200
511666	LBK2- 2-30	24	14	14	30	SM5	175
511668	2-45	24	14	14	45	SM5	200
511670	2-60	24	14	14	60	SM5	200
511672	LBK3- 3-30	31	18	18	30	SM6	200
511674	3-45	31	18	18	45	SM6	275
511676	3-60	31	18	18	60	SM6	275
511678	3-95	31	18	18	95	SM6	500
511680	LBK4- 4-45	39	22	22	45	SM8	200
511682	4-60	39	22	22	60	SM8	275
511684	4-100	39	22	22	100	SM8	500
511686	LBK5- 5-60	50	28	28	60	SM10	300
511688	5-90	50	28	28	90	SM10	325
511690	5-120	50	28	28	120	SM10	550
511692	LBK6- 6-60	64	36	36	60	SM12	325
511694	6-100	64	36	36	100	SM12	350
511696	6-120	64	36	36	120	SM12	500

LBK不等径延长接柄

LBK Extension Toolholder with different diameter



编码 Order	型号 Model	尺寸 Size (mm)						螺丝 SCREW	单价 RMB
		D1	D2	d1	d2	L1	L		
511698	LBK2- 1-36	11	19	14	-	30	36	SM5	500
511700	LBK3- 1-41	11	19	18	31	30	41	SM6	500
511702	2-37	14	24	18	31	25	37	SM6	500
511704	LBK4- 1-58	11	19	22	39	40	58	SM8	580
511706	2-50	14	24	22	39	36	50	SM8	580
511708	3-50	18	31	22	39	37	50	SM8	580
511710	LBK5- 1-60	11	19	28	50	40	60	SM10	650
511712	2-54	14	24	28	50	35	54	SM10	650
511714	2-74	14	24	28	50	55	74	SM10	650
511716	3-47	18	31	28	50	29	47	SM10	650
511718	3-72	18	31	28	50	54	72	SM10	650
511720	4-42	22	39	28	50	25	42	SM10	650
511722	4-67	22	39	28	50	50	67	SM10	650
511724	LBK6- 1-70	11	19	36	64	40	70	SM12	750
511726	2-63	14	24	36	64	45	63	SM12	750
511728	2-93	14	24	36	64	75	93	SM12	900
511730	3-56	18	31	36	64	39	56	SM12	750
511732	3-96	18	31	36	64	79	96	SM12	900
511734	4-51	22	39	36	64	35	51	SM12	750
511736	4-101	22	39	36	64	85	101	SM12	900
511738	5-41	28	50	36	64	25	41	SM12	750
511740	5-91	28	50	36	64	75	91	SM12	900

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VMD
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钻尖

空心
钻头

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配件

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刀柄

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套装

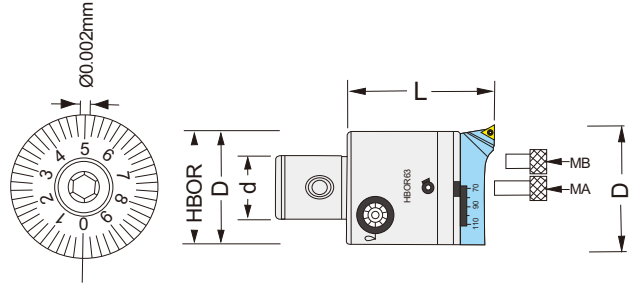
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RBH
粗镗
系统

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铰刀

HBOR 极细微调精搪孔刀

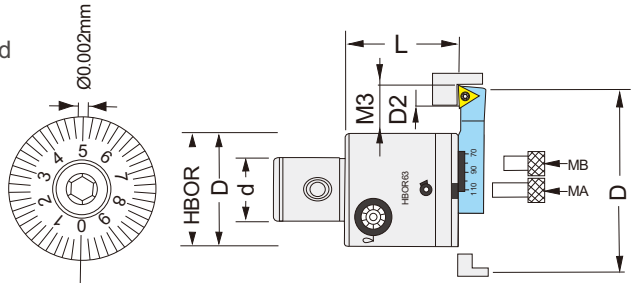
HBOR Micro-Finishing Cutter Fine Boring System



编码 Order	型号 Model	镗孔范围 Boring Range	尺寸 Size (mm)			组件 Assembly				重量 Weight (kg)	单价 RMB
			D	L	主体 Body	MA	MB	刀片座 Toolholder			
511750	HBOR25M	29-38	25	50	HBOR25	M5x12		SRTP2938	0.16	8000	
511752	HBOR32M	36-52	32	63	HBOR32	M6x12		SRTP3652	0.37	8000	
511754	HBOR40M	44-68	40	63	HBOR40	M6x12		SRTP4468	0.53	9000	
511756	HBOR50BM	57-90	50	80	HBOR50	BM8x20		SRTP5790	1.05	9000	
511758	HBOR63BM1	70-110	63	80	HBOR63	BM8x20	M8x14	SRTP70110	1.65	11000	
511760	HBOR63BM2	110-150	63	80	HBOR63	BM8x20	M8x14	SRTP110150	1.76	11000	

HBOR 极细微调精搪孔刀-反搪

HBOR Micro-Finishing Cutter for Revers Fine Boring Head

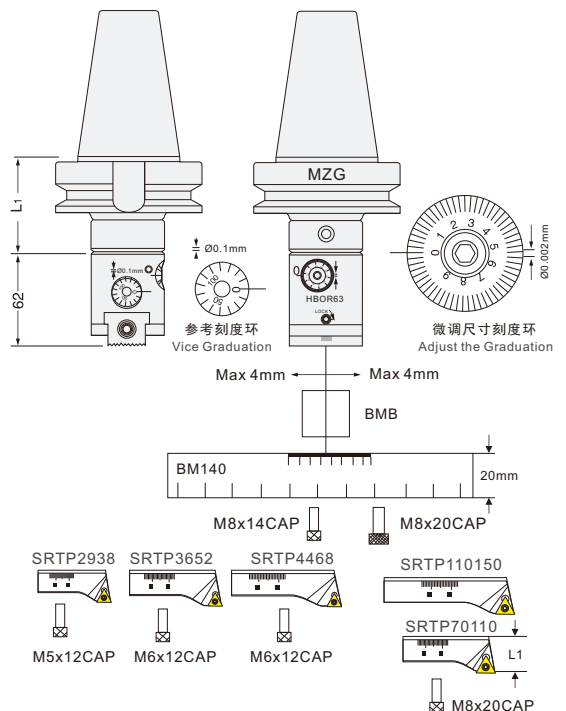


$$\text{下刀径: } D2 \geq \frac{D + \text{HBOR}}{2}$$

编码 Order	型号 Model	镗孔范围 Boring Range	尺寸 Size (mm)			组件 Assembly				重量 Weight (kg)	单价 RMB
			M3	M2	D	主体 Body	MA	MB	刀片座 Toolholder		
511770	HBOR25 MK	29-38	50	42	25	HBOR25	M5x12		FKTP2938	0.16	10825
511772	HBOR32 MK	36-52	63	52.5	32	HBOR32	M6x12		FKTP3652	0.37	12925
511774	HBOR40 MK	44-68	63	53	40	HBOR40	M6x12		FKTP4468	0.53	13475
511776	HBOR50 BMK	57-90	80	64.5	50	HBOR50	BM8x20		FKTP5790	1.05	12000
511778	HBOR63 BMK1	70-110	80	62.5	63	HBOR63	BM8x20	M8x14	FKTP70110	1.65	13000
511780	HBOR63 BMK2	110-150	80	62.5	63	HBOR63	BM8x20	M8x14	FKTP110150	1.76	13000

HBOR63+BM140 极细微调精搪孔+外圆系统

HBOR50+BM140 Micro-Finishing Cutter Fine Boring + outer circle system



BM140精搪刀杆运用于HBOR63刀杆
BM140精搪范围为150~280mm

BM140 Micro boring holder matches with HBOR63 boring head.
The boring range of BM140 boring system is from 150-280mm.

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套装

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粗镗
系统

钻头

铰刀

HBOR25 极细微调精镗孔系统

HBOR25 Micro-Finishing Cutter Fine Boring System

编码 Order	型号 Model	尺寸 Size (mm)		重量 Weight (kg)	单价 RMB
		L1	Ød		
511790	BT30-HBOR25P	35		0.63	
511792	BT40-HBOR25P	40		1.22	
511794	SK30-HBOR25P	30		0.58	
511796	SK40-HBOR25P	30		0.72	
511798	HSK63-HBOR25P	40		0.92	

整体钨钢小镗刀

Carbide small boring cutter



编码 Order	型号 Model	范围 Range	尺寸 Size (mm)		重量 Weight (kg)	单价 RMB
			L1	Ød		
511810	CA0602-09T	2-3.2	9	2	0.01	400
511812	CA0603-16T	3-4.2	16	3	0.01	400
511814	CA0604-22T	5-5.2	22	4	0.02	400
511816	CA0605-27T	5-6.2	27	5	0.02	400
511818	CA0606-32T	6-7.2	32	6	0.02	400

钨钢防振刀杆

Carbide anti vibration Toolholder



编码 Order	型号 Model	范围 Range	深度 L1	刀片 Insert	螺丝 Screw	扳手 Wrench	重量 Weight (kg)	单价 RMB
511832	CB06055-26	5.5-6.5	26	CC..03..	M1.6x3	T6	0.010	800
511834	CB06060-26	6-7	26				0.011	800
511836	CB06065-31	6.5-7.5	31				0.015	800
511838	CB06070-31	7-8	31	CC..04..	M2.0x4	T6	0.016	800

HBOR32 极细微调精镗孔系统

HBOR32 Micro-Finishing Cutter Fine Boring System

编码 Order	型号 Model	尺寸 Size (mm)		重量 Weight (kg)	单价 RMB
		L1	Ød		
511850	BT30-HBOR32P	35		0.76	
511852	BT40-HBOR32P	40		1.35	
511854	SK30-HBOR32P	35		0.71	
511856	SK40-HBOR32P	35		1.30	
511858	HSK63-HBOR32P	40		1.32	

整体钨钢小镗刀

Carbide small boring cutter



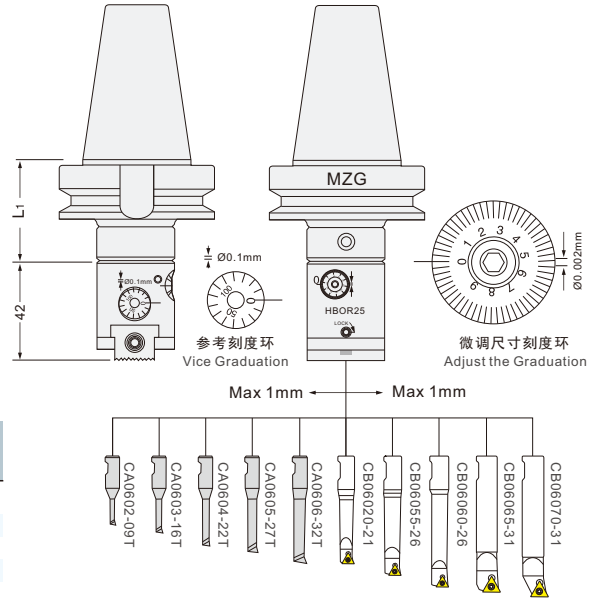
编码 Order	型号 Model	范围 Range	尺寸 Size (mm)		重量 Weight (kg)	单价 RMB
			L1	Ød		
511890	CA0802-09T	2-3.2	9	2	0.03	600
511892	CA0803-16T	3-4.2	16	3	0.03	600
511894	CA0804-22T	5-5.2	22	4	0.03	600
511896	CA0805-27T	5-6.2	27	5	0.04	600
511898	CA0806-32T	6-7.2	32	6	0.04	600
511900	CA0807-37T	7-8.2	37	7	0.04	600
511902	CA0808-42T	8-9.2	42	8	0.05	600

钨钢防振刀杆

Carbide anti vibration Toolholder



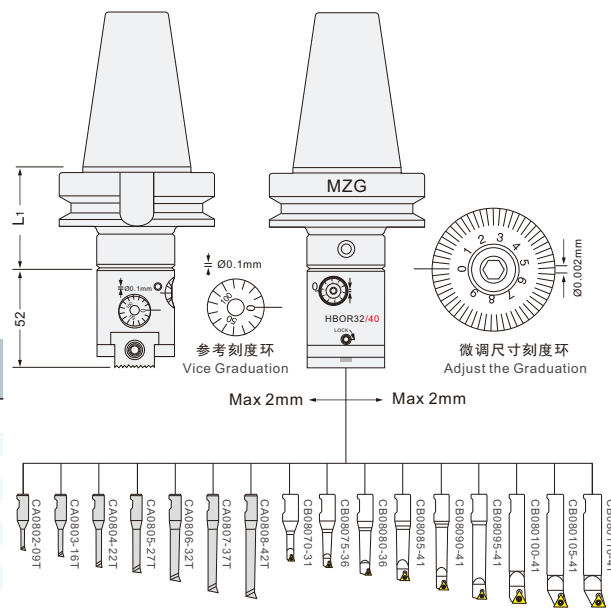
编码 Order	型号 Model	范围 Range	深度 L1	刀片 Insert	螺丝 Screw	扳手 Wrench	重量 Weight (kg)	单价 RMB
511912	CB08075-36	7.5-8.5	36				0.025	800
511914	CB08080-36	8-9	36				0.030	800
511916	CB08085-41	8.5-9.5	41				0.035	800
511918	CB08090-41	9-10	41	CC..04..	M2.0x4	T6	0.040	800
511920	CB08095-41	9.5-10.5	41				0.040	800
511922	CB08100-41	10-11	41				0.040	800
511924	CB08105-41	10.5-11.5	41				0.040	800
511926	CB08110-41	11-12	41				0.040	800



HBOR40 极细微调精镗孔系统

HBOR40 Micro-Finishing Cutter Fine Boring System

编码 Order	型号 Model	尺寸 Size (mm)		重量 Weight (kg)	单价 RMB
		L1	Ød		
511870	BT30-HBOR40P	35		0.95	
511872	BT40-HBOR40P	40		1.34	
511874	SK30-HBOR40P	35		0.9	
511876	SK40-HBOR40P	35		1.29	
511878	HSK63-HBOR40P	45		0.92	



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快速
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定心
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套装

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系统

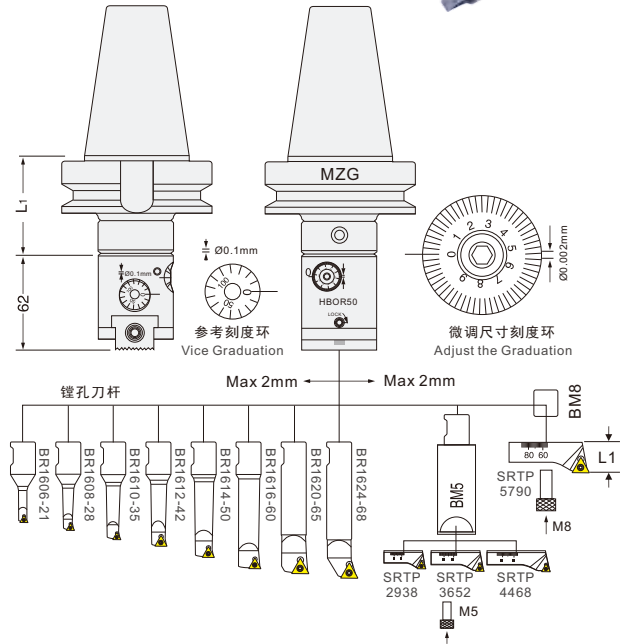
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HBOR50 极细微调精搪孔系统

HBOR50 Micro-Finishing Cutter Fine Boring System

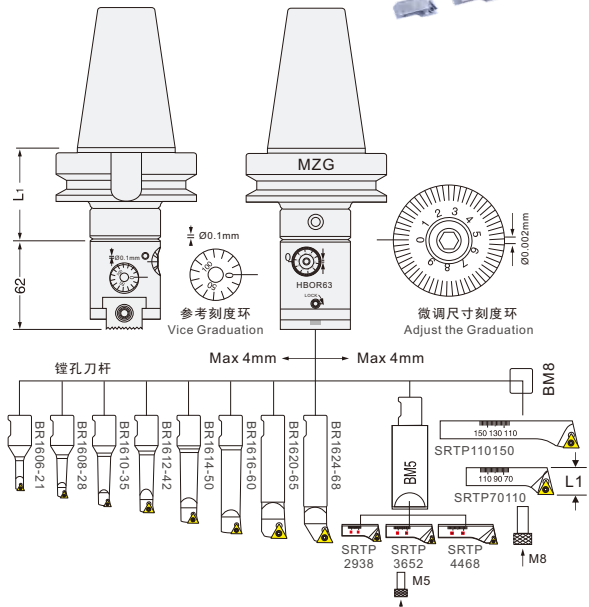
编码 Order	型号 Model	范围 Range	L1	重量 Weight(kg)	单价 RMB
511930	BT30-HBOR50-14P	06-90	70	5.84	19000
511932	BT40-HBOR50-14P	06-90	75	6.42	19000
511934	BT50-HBOR50-14P	06-90	90	9.07	20000
511936	SK30-HBOR50-14P	06-90	55	5.97	19000
511938	SK40-HBOR50-14P	06-90	50	6.39	19000
511940	SK50-HBOR50-14P	06-90	50	8.62	20000
511942	HSK63-HBOR50-14P	06-90	50	6.13	21000



HBOR63 极细微调精搪孔系统

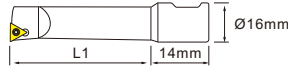
HBOR63 Micro-Finishing Cutter Fine Boring System

编码 Order	型号 Model	范围 Range	L1	重量 Weight(kg)	单价 RMB
511950	NT40-HBOR63-15P	06-150	65	7.2	21250
511952	NT50-HBOR63-15P	06-150	95	9.8	22250
511954	BT40-HBOR63-15P	06-150	65	7.2	21250
511956	BT50-HBOR63-15P	06-150	95	9.8	22250
511958	SK40-HBOR63-15P	06-150	65	7.2	21250
511960	SK50-HBOR63-15P	06-150	95	9.0	22250
511962	HSK63-HBOR63-15P	06-150	65	7.0	23500



镗孔刀杆组件

Cutting Insert Toolholder



编码 Order	型号 Model	范围 Range	深度 L1	刀片 Insert	螺丝 Screw	扳手 Wrench	重量 Weight(kg)	单价 RMB
511970	BR1606-21	6-9	21	WB..06..	M2.0x4	T6	0.04	
511972	BR1608-28	8-11	28	TB..06..	M2.0x4	T6	0.04	
511974	BR1610-35	10-13	38				0.05	
511976	BR1612-42	12-15	42				0.06	
511978	BR1614-50	14-17	50	TP..09..	M2.5x6	T8	0.07	
511980	BR1616-60	16-20	60				0.09	
511982	BR1620-65	20-24	65				0.11	
511984	BR1624-68	24-28	68	TP..11..	M3.0x8	T8	0.12	
511986	BM5	-	60+	-	-	-	0.25	
511988	SRTP2938	28-38	+10				0.01	
511990	SRTP3652	36-52	+12	TP..09..	M2.5x6	T8	0.02	
511992	SRTP4468	44-68	+12				0.03	
511994	BM8	-	-	-	-	-	0.03	
511995	SRTP5790	57-90	+20				0.10	
511996	SRTP70110	70-110	+20	TP..11..	M3.0x8	T8	0.10	
511997	SRTP110150	110-150	+20				0.21	
511998	BM140	-	20+	-	-	-	0.50	

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粗镗
系统

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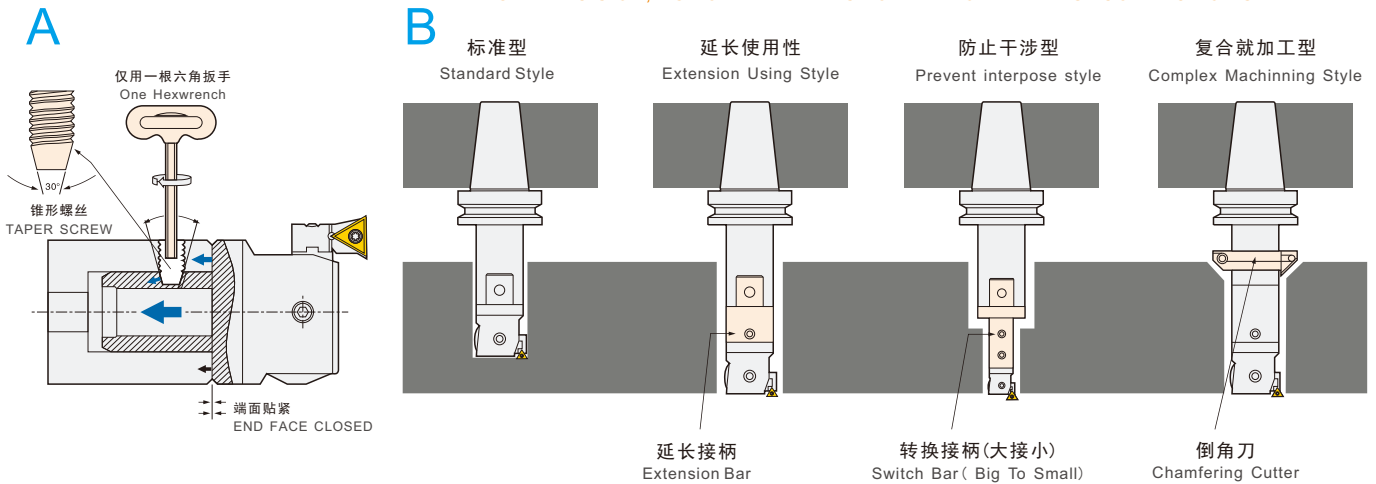
铰刀

CBH 模块式镗刀系列

CBH Modular Boring Tool

高精度，强力，操作方便-理想的连接方式

HIGH PRECISION, BIG POWER AND EASY OPERATION-THE BEST CONNECTION STYLE



1. 依靠30度锥形螺丝，把紧固力转换成轴向拉力，使镗刀端面与本体端面贴紧。（如图A）
2. 模块式设计，可以自由设定加工直径和有效加工深度，配备。转换接头（大接小）减小刀具直径，即可以确保刚性，又可以防止干涉，在配合倒角器可自由组合成最合适的镗削刀具（如图B）
3. 因镗头与本体的连接精度非常高所以只需对镗头单独封刀，可减轻劳动强度，提高工作效率，降低综合成本。

1. Depending on the 30 degree tapered screw, the tightening force is converted into axial tension, so that the end face of the boring cutter and the end face of the main body are closely connected. (as shown in figure a)
2. Modular design, free to set machining diameter and effective machining depth, matching. The change-over joint (large joint and small joint) reduces the tool diameter, which ensures the rigidity, it can also prevent interference, and can be freely combined into the most suitable boring tool (as shown in Fig. b) with the chamferer
3. Because the connection precision between boring head and body is very high, it is necessary to seal the boring head separately, which can reduce the labor intensity, improve the working efficiency and reduce the comprehensive cost.

CBH 产品主要部位名称

The Name Of The Main Part Of Products With CBH

使用顺序

Sequence of use

请参照图示，按下列顺序1-5顺序操作

Please Operate The Following Step(1-5)according To The Diagram Figured

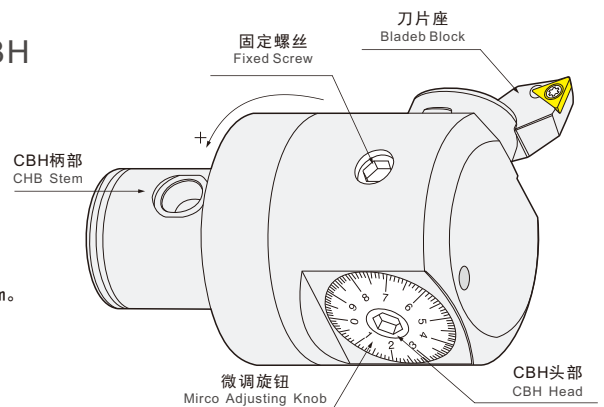
1. 松开固定螺丝
2. 按顺时针方向旋转调旋钮，使加工直径增大，调整旋钮刻度为 $\varnothing 0.01\text{mm}$ 。
3. 按逆时针方向旋转调旋钮，使加工直径减小。
4. 调整尺寸加工时，请按同方向微调，以确保微调精度。
5. 微调至所需尺寸时，请以适当扭力锁紧固定螺丝。

1. Loosen the fixing screw
2. Turn the knob clockwise to increase the machining diameter, and adjust the knob scale to $\varnothing 0.01\text{mm}$.
3. Turn the knob anticlockwise to reduce the machining diameter.
4. When adjusting the dimension processing, please make fine adjustment in the same direction to ensure the precision of fine adjustment.
5. When fine tuning to the required size, please lock the fixing screw with proper torque.

使用者注意事项

Notices of the user

1. 请使用在加工范围内。
 2. 当滑座在已锁紧状态下，请勿旋转调整旋钮，否则会导致调整机构被破坏。
 3. 滑座之固定，请使用专用扳手，以适当扭力来确保锁紧固定螺丝。过度锁紧会导致座体移位，过松会造成精度不良。
 4. 本产品是由精度螺丝、移动刀片座旋转调整旋钮，在阻力很大或无法移动是，请停止调整，并确保以下事项：
 - ① 固定螺丝是否松开
 - ② 是否超出调整范围
 - ③ 当过度旋转调整旋钮时，会导致本体内部被破坏。
1. Please use in the processing range.
 2. When the sliding seat is locked, do not rotate the adjustment knob, otherwise the adjustment mechanism will be damaged.
 3. For the fixation of sliding seat, please use a special spanner to ensure that the fixing screw is locked with proper torque. Over locking will lead to displacement of seat body, and over loosening will lead to poor accuracy.
 4. This product is made of precision screw and moving blade seat to rotate the adjusting knob. If the resistance is very large or it cannot be moved, please stop adjusting and ensure the following items:
 - ① Whether the fixing screw is loosened
 - ② Whether the adjustment range is exceeded
 - ③ When the adjustment knob is rotated excessively, the interior of the body will be damaged



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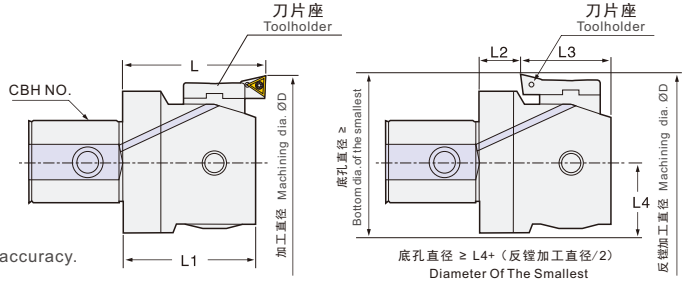
铰刀

CBH 微调精密镗头 CBH Micro Boring Head



中心带内冷水孔。
动平衡结构，高速也能达可靠加工精度。
可以反镗加工，加大附加值。

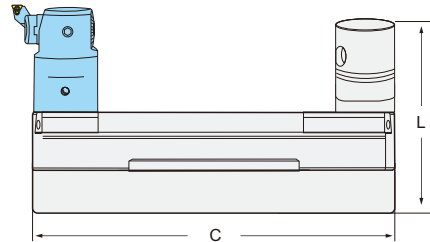
Cold water outlet hole in the center belt.
Dynamic balance structure, high speed can also achieve reliable machining accuracy.
Can reverse boring processing, increase added value.



编码 Order	型号 Model	正镗 Boring			反镗 Reverse Boring			组件 Assembly						重量 Weight (kg)	单价 RMB	
		L1	L	范围 Range	L4	L2	L3	范围 Range	刀柄 Holder	镗头 Head	刀片座 Toolholder	刀片 Insert	螺丝 Screw			扳手 Wrench
512000	CBH20-1	29.5	32.5	20-26	10	10.5	19	-	LBK1	CBH20	CBH1-1	TP..0802..	M2.2x6	T6	0.07	1440
512002	CBH20-2	29.5	32.5	25-31	10	10.5	19	30-31	LBK1	CBH20	CBH1-2				0.07	1440
512004	CBH20-3	29.5	32.5	30-36	10	10.5	19	30-36	LBK1	CBH20	CBH1-3				0.07	1440
512006	CBH25-1	32.5	35.5	25-33	12.5	11.5	21	-	LBK2	CBH25	CBH2-1				0.12	1600
512008	CBH25-2	32.5	35.5	32-40	12.5	11.5	21	36-40	LBK2	CBH25	CBH2-2				0.12	1600
512010	CBH25-3	32.5	35.5	39-47	12.5	11.5	21	39-47	LBK2	CBH25	CBH2-3				0.12	1600
512012	CBH32-1	35	40	32-42	16	10	25	-	LBK3	CBH32	CBH3-1				0.21	1734
512014	CBH32-2	35	40	41-51	16	10	25	-	LBK3	CBH32	CBH3-2				0.21	1734
512016	CBH32-3	35	40	50-60	16	10	25	50-60	LBK3	CBH32	CBH3-3				0.21	1734
512018	CBH41-1	43	47	41-54	20	14	29	-	LBK4	CBH41	CBH4-1				0.40	1940
512020	CBH41-2	43	47	50-63	20	14	29	53-63	LBK4	CBH41	CBH4-2				0.40	1940
512022	CBH41-3	43	47	61-74	20	14	29	-	LBK4	CBH41	CBH4-3				0.40	1940
512024	CBH53-1	53	57	53-70	25.5	19	34	62-70	LBK5	CBH53	CBH5-1	1.10	2160			
512026	CBH53-2	53	57	65-82	25.5	19	34	-	LBK5	CBH53	CBH5-2	1.10	2160			
512028	CBH53-3	53	57	78-95	25.5	19	34	78-95	LBK5	CBH53	CBH5-3	1.10	2160			
512030	CBH68-1	67.2	71	68-100	32.5	22	45.2	-	LBK6	CBH68	CBH6-1	1.47	2540			
512032	CBH68-2	67.2	71	94-126	32.5	22	45.2	94-126	LBK6	CBH68	CBH6-2	1.47	2540			
512034	CBH68-3	67.2	71	118-150	32.5	22	45.2	-	LBK6	CBH68	CBH6-3	1.47	2540			
512036	CBH100-1	67.2	71	100-153	45.5	22	45.2	112-153	LBK6	CBH100	CBH6-1	2.46	3000			
512038	CBH100-2	67.2	71	126-179	45.5	22	45.2	-	LBK6	CBH100	CBH6-2	2.46	3000			
512040	CBH100-3	67.2	71	150-203	45.5	22	45.2	150-203	LBK6	CBH100	CBH6-3	2.46	3000			

CBH 大径太空铝微调精密镗头(减重型)

CBH Large diameter space aluminum fine tuning precision boring head (reducing heavy)

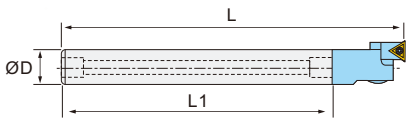


镗孔范围 Ø200-Ø910mm Boring Range Ø200-Ø910mm

编码 Order	型号 Model	正镗 Boring			组件 Assembly						重量 Weight (kg)	单价 RMB			
		C	L	范围 Range	底座 Flange	横向滑板 Extension Slide	平衡块 Balance weight	刀柄 Holder	镗头 Head	刀片座 Toolholder			刀片 Insert	螺丝 Screw	扳手 Wrench
512050	CBH200-310	190	80	200-310	BR200	RST200	RBN200	BST	CBH41-1	CBH4-1	TC..1102..	M2.5x6	T8	4.1	6250
512052	CBH300-410	290	80	300-410	BR200	RST300								4.9	6667
512054	CBH400-510	390	80	400-510	BR200	RST400								5.9	8111
512056	CBH500-610	490	80	500-610	BR200	RST500								6.9	8556
512058	CBH600-950	590	80	600-950	BR600	RST300								7.9	10778
512060	CBH900-1250	690	80	900-1250	BR900	RST300								10.0	14922

FC整体钨钢镗孔刀杆

FC integral tungsten steel boring bar



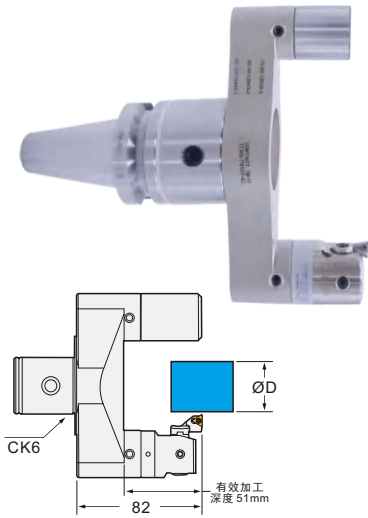
编码 Order	型号 Model	尺寸 Size (mm)			组合镗头 Combined boring head	镗孔范围 Boring range	重量 Weight(kg)	单价 RMB
		ØD	L	L1				
512070	FC19-LBK1-150	19	182.5	150	CBH20	20-26	0.8	1700
512072	FC19-LBK1-200	19	232.5	200			1.0	1875
512074	FC19-LBK1-250	19	282.5	250			1.2	2325
512076	FC19-LBK1-300	19	332.5	300	CBH25	25-33	1.35	2875
512078	FC24-LBK2-200	24	235.5	200			1.35	2625
512080	FC24-LBK2-250	24	285.5	250			1.9	3188
512082	FC24-LBK2-300	24	335.5	300	CBH32	32-42	2.2	3750
512084	FC32-LBK3-200	32	240	200			2.2	4400
512086	FC32-LBK3-250	32	290	250			2.8	5008
512088	FC32-LBK3-300	32	340	300			3.5	5900
512090	FC32-LBK3-350	32	400	350			4.2	7700
512092	FC32-LBK3-400	32	450	400			4.9	8800

1. 超硬碳化钨镗孔刀杆，使用高刃度配方制造，坚韧耐用，实现高硬度、高刚性、高抗震性，可施行超深孔加工（10D）。
2. 各种规格均有内部水孔，深孔加工时排屑及冷却效果良好。
3. 直柄结构，加工深度可依加工须求自行调整。

1. The boring bar made of superhard tungsten carbide is made of high cutting edge formula. It is tough and durable. It can achieve high hardness, high rigidity and high seismic resistance. It can be used for ultra deep hole processing (10D).
2. All kinds of specifications have internal water holes, and the chip removal and cooling effect are good during deep hole processing.
3. The straight handle structure and processing depth can be adjusted according to the processing requirements.

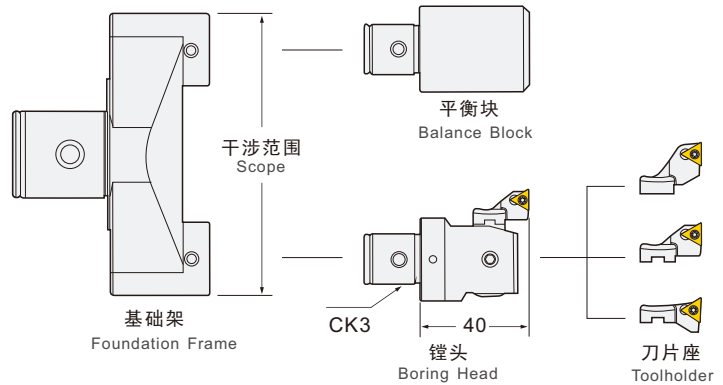
CBH-M 外圆镗刀

CBH-M External boring cutter



CBH大径镗刀反向装可以进行镗外圆加工
加工范围 Ø116-Ø200

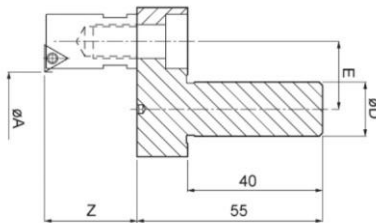
CBH large diameter boring cutter can be installed reversely for boring outer circle
Processing range Ø 116 - Ø 200



编码 Order	型号 Model	范围 Range	组件 Assembly						单价 RMB
			刀片座 Toolholder	基础架 Foundation Frame	镗头 Head	刀片 Insert	螺丝 Screw	扳手 Wrench	
512100	CBH-M23-33	23-33	CBH3-3	CK6-2351-42 干涉范围=114mm	CBH32	TP..0802..	M2.2x6	T6	5778
512102	CBH-M32-42	32-42	CBH3-2						5778
512104	CBH-M41-51	41-51	CBH3-1						5778
512106	CBH-M51-61	51-61	CBH3-3	CK6-5179-42 干涉范围=142mm	CBH32	TP..0802..	M2.2x6	T6	6667
512108	CBH-M60-71	60-71	CBH3-2						6667
512110	CBH-M69-79	69-79	CBH3-1						6667
512112	CBH-M79-89	79-89	CBH3-3	CK6-79107-42 干涉范围=170mm	CBH32	TP..0802..	M2.2x6	T6	7778
512114	CBH-M88-98	88-98	CBH3-2						7778
512116	CBH-M97-107	97-107	CBH3-1						7778

CBR20, CBR30组合式镗外圆组件(镗孔范围Ø5-Ø52mm)

CBR20, CBR30 combined cylindrical bore components (bore range is 5- 52mm)



编码 Order	镗头 Head	范围 A Range	转换杆 Flange	尺寸 Size (mm)			组件 Assembly			单价 RMB	编码 Order	镗头 Head	范围 A Range	转换杆 Flange	尺寸 Size (mm)			组件 Assembly			单价 RMB
				偏心 E	深度 Z	柄径 ØD	刀片 Insert	螺丝 Screw	扳手 Wrench						偏心 E	深度 Z	柄径 ØD	刀片 Insert	螺丝 Screw	扳手 Wrench	
512120	BE36A	5-14	C16-CBR20	20	27	16	TP..0802..	M2.2x6	T6	1500	512160	BE36A	5-14	C20-CBR20	20	27	20	TP..0802..	M2.2x6	T6	1500
512122	BE34A	7-16								1500	512162	BE34A	7-16								1500
512124	BE32A	9-18								1500	512164	BE32A	9-18								1500
512126	BE30A	11-20								1500	512166	BE30A	11-20								1500
512128	BE28A	13-22								1500	512168	BE28A	13-22								1500
512130	BE26A	15-24								1500	512170	BE26A	15-24								1500
512132	BE24A	17-26								1500	512172	BE24A	17-26								1500
512134	BE22A	19-28								1500	512174	BE22A	19-28								1500
512136	BE20A	21-30								1500	512176	BE20A	21-30								1500
512138	BE18A	23-32								1500	512178	BE18A	23-32								1500
512140	BE36A	25-34	C16-CBR30	30	27	16	TP..0802..	M2.2x6	T6	1800	512180	BE36A	25-34	C20-CBR30	30	27	20	TP..0802..	M2.2x6	T6	1800
512142	BE34A	27-36								1800	512182	BE34A	27-36								1800
512144	BE32A	29-38								1800	512184	BE32A	29-38								1800
512146	BE30A	31-40								1800	512186	BE30A	31-40								1800
512148	BE28A	33-42								1800	512188	BE28A	33-42								1800
512150	BE26A	35-44								1800	512190	BE26A	35-44								1800
512152	BE24A	37-46								1800	512192	BE24A	37-46								1800
512154	BE22A	39-48								1800	512194	BE22A	39-48								1800
512156	BE20A	41-50								1800	512196	BE20A	41-50								1800
512158	BE18A	43-52								1800	512198	BE18A	43-52								1800

×C16-CBR20, CBR30 为 CBR16 搪孔器专用搪外圆组件
×C20-CBR20, CBR30 为 CBR2084 搪孔器专用搪外圆组件

C16-CBR20, CBR30 for CBR16 lining hole to lined cylindrical component
C20-CBR20, CBR30 CBR2084 for lining lining hole cylindrical component

快速
钻孔

镗孔
加工
系统

钻头

铰刀

快速
钻头

铲钻

定心
钻头

VMD
大钻头

钻尖

空心
钻头

油路
配件

LBK
BST
镗孔
刀柄

HBOR
CBI
CBH
精镗
系统

NBJ
NBH
镗孔
套装

TWE
RBH
粗镗
系统

钻头

铰刀

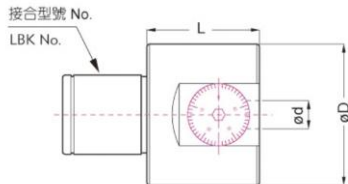
CBI小径微调搪刀系列(搪孔范围 $\phi 3-\phi 50\text{mm}$)

CBI diameter micro adjusting boring cutter series (bore range $\phi 3-\phi 50\text{mm}$)



1. CBI小径精搪刀有三种选择, 通用于 $\phi 3-\phi 50\text{mm}$ 小孔径使用, 如使用全钨钢小径搪刀杆可加工 $\phi 3-14\text{mm}$ 小孔。
2. 调整刻度为圆周50等分, 每格调整尺寸为直径 0.01mm , 另有副尺可作更精细之调整。
3. 精密道程螺丝位于内部, 不受切削, 磨损, 生锈等影响, 具有内部润滑, 精毕耐用。

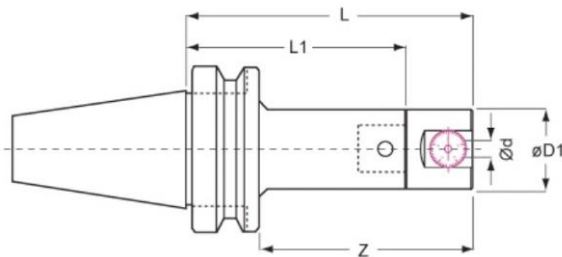
1. There are three options for CBI small-diameter fine lining knife, which is generally used for the use of $\phi 3-\phi 50\text{mm}$ small hole. For example, if the full tungsten steel small-diameter lining knife rod is used, the $\phi 3-14\text{mm}$ small hole can be processed.
2. Adjust the scale to 50 equal parts of the circumference, adjust the size of each grid to 0.01mm diameter, and adjust the auxiliary ruler more precisely.
3. The precision path screw is located in the interior, not affected by cutting, abrasion, rust, etc., with internal lubrication and durable finish.



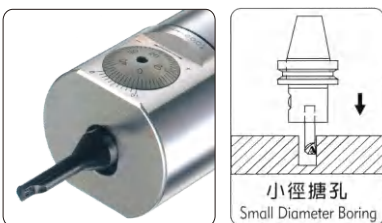
编码 Order	型号 Model	接口 LBK No.	范围 Range	微调 Fine tuning	尺寸 Size (mm)			重量 Weight(kg)	单价 RMB
					Ød	ØD	L		
512200	CB14	LBK4	8-24	0-2.0	10	39	32	0.4	4300
512202	CB15	LBK5	8-27	0-3.5	12	50	40	0.8	2900
512204	NBJ16	LBK6	8-50	0-6.0	16	64	50	1.2	2000

CBI小径微调精搪刀+LBK刀柄(MAS 403 BT)+小径搪刀杆BJ系列

CBI small diameter fine tuning fine boring tool + LBK Toolholder (MAS 403 BT) + small diameter boring bar BJ series



编码 Order	型号 Model	正镗 Boring		反镗 Reverse Boring		组件 Assembly			重量 Weight (kg)	单价 RMB			
		微调 F	深度 Z	接口 LBK NO	L	L1	ØD1	范围 Range			刀柄 Holder	镗头 Head	刀杆 Toolholder
512210	BT30-CB14-BJ10-6PCS	0-2.0	45	4	77	45	39	8-24	BT30-LBK4-45	CB14	BJ10-5PCS	1.9	7200
512212	BT30-CB15-BJ12-6PCS	0-3.5	65	5	105	65	50	8-27	BT30-LBK5-65	CB15	BJ12-5PCS	2.3	5300
512214	BT40-CB14-BJ10-6PCS	0-2.0	50	4	82	50	39	8-24	BT40-LBK4-50	CB14	BJ10-5PCS	2.4	7200
512216	BT40-CB15-BJ12-6PCS	0-3.5	75	5	90	75	50	8-27	BT40-LBK5-75	CB15	BJ12-5PCS	2.8	5300
512218	BT50-CB14-BJ10-6PCS	0-2.0	115	4	147	115	39	8-24	BT50-LBK4-115	CB14	BJ10-5PCS	5.4	7500
512220	BT50-CB15-BJ12-6PCS	0-3.5	90	5	130	90	50	8-27	BT50-LBK5-90	CB15	BJ12-5PCS	6.0	5600



CBI4专用小径镗孔刀杆 BJ型(镗孔范围 $\phi 8-\phi 24\text{mm}$)

CBI4 special small diameter boring bar BJ type (boring range $\phi 8-\phi 24\text{mm}$)

编码 Order	型号 Model	尺寸 Size (mm)				刀片 Insert	螺丝 Screw	扳手 Wrench	图示 Fig	重量 Weight(kg)	单价 RMB
		Ød	ØD	L	L2						
512230	BJ1006-24	6-9	10	64	24	WB..06..	M2.0x4	T6	1	0.020	200
512232	BJ1008-32	8-10	10	64	32	TB..06..				0.025	200
512234	BJ1010-40	10-12	10	72	40	TP..09..	M2.5x6	T8	2	0.035	200
512236	BJ1012-45	12-16	10	77	45					0.045	200
512238	BJ1016-45	16-20	10	77	22					0.045	200
512240	BJ1020-45	20-25	10	77	25					0.045	200

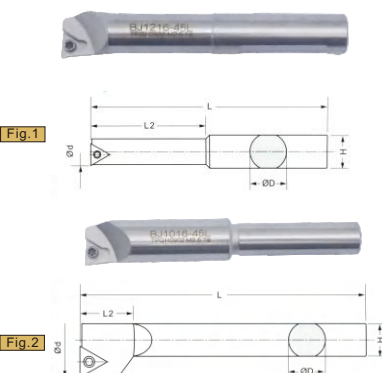
CBI5专用小径镗孔刀杆 BJ型(镗孔范围 $\phi 8-\phi 27\text{mm}$)

CBI5 special small diameter boring bar BJ type (boring range $\phi 8-\phi 27\text{mm}$)

编码 Order	型号 Model	尺寸 Size (mm)				刀片 Insert	螺丝 Screw	扳手 Wrench	图示 Fig	重量 Weight(kg)	单价 RMB
		Ød	ØD	L	L2						
512250	BJ1206-24	6-9	12	64	24	WB..06..	M2.0x4	T6	1	0.020	200
512252	BJ1208-32	8-10	12	64	32	TB..06..				0.025	200
512254	BJ1210-40	10-12	12	72	40	TP..09..	M2.5x6	T8	2	0.035	200
512256	BJ1212-45	12-16	12	77	45					0.045	200
512258	BJ1216-45	16-20	12	77	22					0.045	200
512260	BJ1220-45	20-25	12	77	25					0.045	200

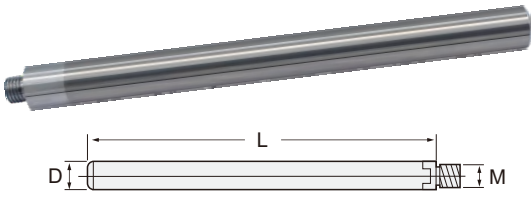
※ 切削加工时, 小径搪刀杆以3倍直径伸出量为佳。

※ When machining path of boring bar with 3 times the diameter of stickout is preferred.



ST抗震钨钢刀杆

ST Shockproof tungsten steel pole



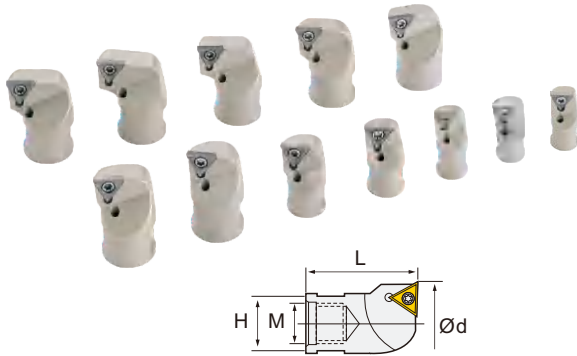
编码 Order	型号 Model	范围 Range	组合镗头 Modular Boring	尺寸 Size (mm)			单价 RMB
				M	ØD	L	
512270	ST 08-W5-100	9-13	BE09, BE10.5	M5	8	100	900
512272	08-W5-145	9-13	BE09, BE10.5	M5	8	145	1125
512274	10-W6-120	12-15	BE12	M6	10	120	900
512276	10-W6-160	12-15	BE12	M6	10	160	1040
512278	12-W6-120	14-17	BE14, BE16	M6	12	120	1040
512280	12-W6-160	14-17	BE14, BE16	M6	12	160	1300
512282	14-W6-160	16-20	BE16	M6	14	160	1625
512284	14-W6-200	16-20	BE16	M6	14	200	2250
512286	16-W10-160	18-42	BE18-BE40	M10	16	160	2000
512288	16-W10-200	18-42	BE18-BE40	M10	16	200	2375

镗孔深度不超过刀柄直径的六倍时抗震效果较好。

When the boring depth is less than six times of the shank diameter, the anti-seismic effect is better.

BE 组合式镗头

BE Combined boring head

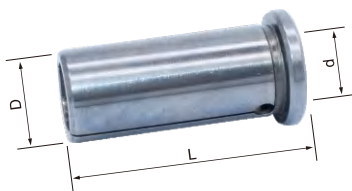


编码 Order	型号 Model	尺寸 Size (mm)				刀片 Insert	螺丝 Screw	扳手 Wrench	单价 RMB
		Ød	H	L	M				
512700	BE09A	9	7	18	M5	TP..08..	M2.2x5	T7	250
512702	BE10.5A	10.5	7	18	M5				250
512704	BE12A	12	8	23	M6				250
512706	BE14A	14	10	23	M6				250
512708	BE16A	16	10	23	M6				250
512710	BE18A	18	14	27	M10				250
512712	BE20A	20	14	27	M10				250
512714	BE22A	22	14	27	M10				250
512716	BE24A	24	14	27	M10				250
512718	BE26A	26	14	27	M10				250
512720	BE28A	28	14	27	M10				250
512722	BE30A	30	14	27	M10				350
512724	BE32A	32	14	27	M10				350
512726	BE34A	34	14	27	M10				350
512728	BE36A	36	14	27	M10				500
512730	BE38A	38	14	27	M10				500
512732	BE40A	40	14	27	M10	500			

注：以上三种配件可配镗头CBI4、CBI5、CBI6、NBJ16、NBH2084使用。

CBI/NBJ/NBH 专用变径套

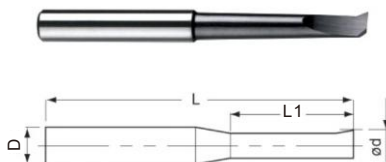
CBI / NBJ / NBH Special Conversion Collet



编码 Order	型号 Model	尺寸 Size (mm)			单价 RMB
		Ød	ØD	L	
512740	CBI 10-4	4	10	35	250
512742	10-6	6	10	35	250
512744	10-8	8	10	35	250
512746	CBI 12-4	4	12	35	250
512748	12-6	6	12	35	250
512750	12-8	8	12	35	250
512752	12-10	10	12	35	250
512754	NBJ 16-4	4	16	37	250
512756	16-6	6	16	37	250
512758	16-8	8	16	37	250
512760	16-10	10	16	37	250
512762	16-12	12	16	37	250
512764	16-14	14	16	37	250
512766	NBH 2084-8	8	20	37	250
512768	2084-10	10	20	37	250
512770	2084-12	12	20	37	250
512772	2084-16	16	20	37	250

CBI系列专用小径钨钢镗孔刀

CBI Series special small diameter carbide boring cutter



编码 Order	型号 Model	尺寸 Size (mm)			镗孔范围 Boring Range			重量 Weight (kg)	单价 RMB	
		ØD	L	L1	Ød min	CBI4 max	CBI5 max			CBI6 max
512780	CBI 0403-15	4	50	15	3	7	10	13	0.015	510
512782	CBI 0404-20	4	50	20	4	8	11	14	0.015	540
512784	CBI 0605-25	6	60	25	5	9	12	15	0.020	600
512786	CBI 0606-30	6	60	30	6	10	13	16	0.020	600
512788	CBI 0808-35	8	75	35	8	12	15	18	0.055	750
512790	CBI 1010-40	10	75	40	10	14	17	20	0.060	900

快速
钻孔

镗孔
加工
系统

钻头

铰刀

快速
钻头

铲钻

定心
钻头

VMD
大钻头

钻尖

空心
钻头

油路
配件

LBK
BST
镗孔
刀柄

HBOR
CBI
CBH
精镗
系统

NBJ
NBH
镗孔
套装

TWE
RBH
粗镗
系统

钻头

铰刀

快速
钻孔

镗孔
加工
系统

钻头

铰刀

快速
钻头

铲钻

定心
钻头

VMD
大钻头

钻尖

空心
钻头

油路
配件

LBK
BST
镗孔
刀柄

HBOR
CBI
CBH
精镗
系统

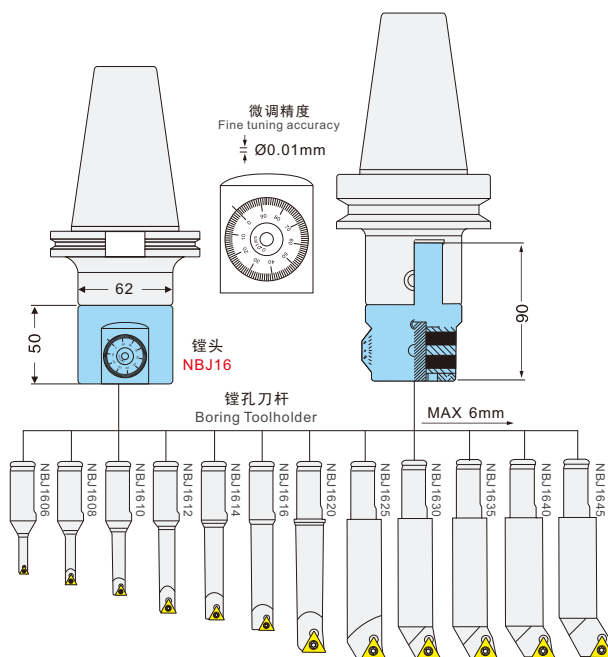
NBJ
NBH
镗孔
套装

TWE
RBH
粗镗
系统

钻头

铰刀

NBJ-16微调精镗套装组合 NBJ-16 Fine tuning fine boring set combination



编码 Order	型号 Model	单价 RMB	编码 Order	型号 Model	单价 RMB
512800	NT30-NBJ16-8P	2000	512820	HSK63A-NBJ16-8P	2800
512802	NT40-NBJ16-8P	2000	512822	HSK100A-NBJ16-8P	3400
512804	NT50-NBJ16-8P	2200	512824	CAT40-NBJ16-8P	2200
512806	BT30-NBJ16-8P	2000	512826	CAT50-NBJ16-8P	2400
512808	BT40-NBJ16-8P	2000	512828	C32-BSJ16-8P	2000
512810	BT50-NBJ16-8P	2200	512830	MT4-NBJ16-8P	2200
512812	SK40-NBJ16-8P	2000	512832	MT5-NBJ16-8P	2300
512814	SK50-NBJ16-8P	2200	512834	MT6-NBJ16-8P	2400
512816	R8-NBJ16-8P	2000	512836	C20-NBJ16-8P	2200

快速
钻孔

镗孔
加工
系统

钻头

铰刀

快速
钻头

铲钻

定心
钻头

VMD
大钻头

钻头

空心
钻头

油路
配件

LBK
BST
镗孔
刀柄

HBOR
CBI
CBH
精镗
系统

NBJ
NBH
镗孔
套装

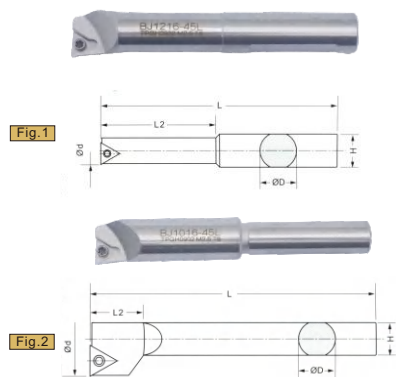
TWE
RBH
粗镗
系统

钻头

铰刀

NBJ16专用小径镗孔刀杆 NBJ型 (镗孔范围Ø8-Ø50mm)

NBJ16 special small diameter boring bar NBJ type (boring range Ø 8-Ø 50mm)

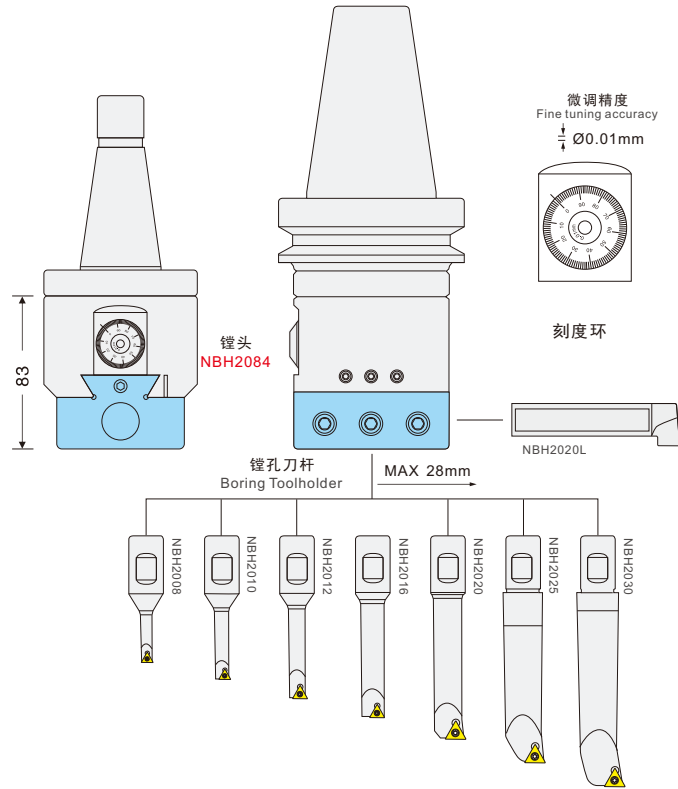


编码 Order	型号 Model	尺寸 Size (mm)				刀片 Insert	螺丝 Screw	扳手 Wrench	图示 Fig	重量 Weight(kg)	单价 RMB		
		Ød	ØD	L	L2								
512840	NBJ1606-24	6-9	16	62	24	WB..06..	M2.0x4	T6	1	0.077	200		
512842	NBJ1608-32	8-11	16	80	32	TB..06..				0.077	200		
512844	NBJ1608-90	8-11	16	138	90							0.100	300
512846	NBJ1610-40	10-13	16	87	40								
512848	NBJ1610-90	10-13	16	138	90		0.110	300					
512850	NBJ1612-53	12-15	16	98	53	0.095			200				
512852	NBJ1612-90	12-15	16	138	90					0.130	300		
512854	NBJ1614-60	14-17	16	108	60							0.110	200
512856	NBJ1614-100	14-17	16	148	100		0.155	300					
512858	NBJ1616-68	16-21	16	110	68	0.143			200				
512860	NBJ1616-100	16-21	16	148	100					0.210	300		
512862	NBJ1616-120	16-21	16	168	120							0.260	400
512864	NBJ1616-150	16-21	16	198	150		0.290	500					
512866	NBJ1620-83	20-26	16	125	83	0.203			200				
512868	NBJ1620-150	20-26	16	198	150					0.300	400		
512870	NBJ1620-200	20-26	16	248	200							0.390	500
512872	NBJ1625-90	25-31	16	128	90		0.275	200					
512874	NBJ1625-150	25-31	16	198	150	0.390			400				
512876	NBJ1625-200	25-31	16	248	200					0.510	500		
512878	NBJ1630-90	30-36	16	128	90							0.275	200
512880	NBJ1630-150	30-36	16	198	150		0.415	400					
512882	NBJ1630-200	30-36	16	248	200	0.520			500				
512884	NBJ1635-90	35-41	16	128	90					0.283	300		
512886	NBJ1640-90	40-46	16	128	90							0.286	300
512888	NBJ1645-90	45-51	16	128	90		0.310	300					

※ 1.黑色标示规格为套装常用规格
2.切削加工时,小径镗刀杆以3倍直径伸出量为佳。

※ 1.The black mark specification is the common specification of the set,
2.When machining path of boring bar with 3 times the diameter of stickout is preferred.

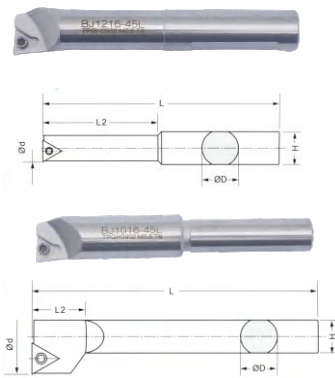
NBH2084 微调精镗套装组合 NBH2084 Fine tuning fine boring set combination



	型号 Model	重量 Weight (kg)	单价 RMB
512500	R8-NBH2084-8P	10.0	2000
512502	NT30-NBH2084-8P	8.4	2000
512504	NT40-NBH2084-8P	9.3	2000
512506	NT50-NBH2084-8P	10.8	2200
512508	BT40-NBH2084-8P	9.5	2000
512510	BT50-NBH2084-8P	12.0	2200

NBH20专用小径镗孔刀杆 NBH型 (镗孔范围Ø8-Ø280mm)

NBH20 special small diameter boring bar NBH type (boring range Ø 8-Ø 280mm)



编码 Order	型号 Model	尺寸 Size (mm)				刀片 Insert	螺丝 Screw	扳手 Wrench	图示 Fig	重量 Weight (kg)	单价 RMB
		Ød	ØD	L	L2						
512520	NBH2008-32	8-11	20	80	32	TB..06..	M2.0x4	T6	1	0.095	200
512522	NBH2008-90	8-11	20	140	90					0.135	300
512524	NBH2010-40	10-13	20	87	40					0.095	200
512526	NBH2010-90	10-13	20	140	90					0.139	300
512528	NBH2012-53	12-17	20	98	53	TP..09..	M2.5x6	T8	1	0.12	200
512530	NBH2012-90	12-17	20	140	90					0.175	300
512532	NBH2016-68	16-21	20	110	68					0.16	200
512534	NBH2016-100	16-21	20	150	100					0.24	300
512536	NBH2016-150	16-21	20	200	150	0.31	400				
512538	NBH2020-83	20-130	20	123	83	TP..11..	M3.0x8	T8	2	0.22	200
512540	NBH2020-125	20-130	20	175	125					0.31	300
512542	NBH2020-150	20-130	20	200	150					0.40	400
512544	NBH2020-200	20-130	20	250	200					0.50	500
512546	NBH2020-250	20-130	20	300	250					0.60	600
512548	NBH2025-96	25-135	20	137	96					0.34	200
512550	NBH2025-150	25-135	20	200	150					0.55	400
512552	NBH2025-200	25-135	20	250	200					0.65	500
512554	NBH2025-250	25-135	20	300	250					0.77	600
512556	NBH2030-115	30-140	20	152	115					0.54	200
512558	NBH2030-150	30-140	20	200	150					0.72	400
512560	NBH2030-200	30-140	20	250	200					0.91	500
512562	NBH2030-250	30-140	20	300	250	1.09	600				
512564	NBH2020-L	120-200	20	100	16	0.23	200				
512566	NBH2020L20-150	160-280	20	150	20	0.34	400				
512568	NBH2020L20-200	280-330	20	200	20	0.41	500				

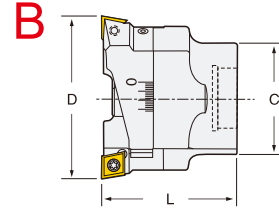
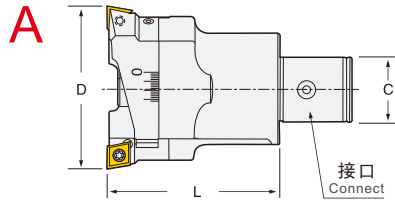
1. 黑色标示规格为套装常用规格
2. 切削加工时，小径镗刀杆以3倍直径伸出量为佳。

※ 1. The black mark specification is the common specification of the set,
2. When machining path of boring bar with 3 times the diameter of stickout is preferred.

高效率镗孔加工 | High Efficiency Boring

TWE锯齿式双刃粗镗头 (加工范围20-204mm)

TWE Saw tooth type double edge rough boring head
Boring Range 20-204mm



编码 Order	型号 Model	接口 Connect	尺寸 Size (mm)			镗孔范围 Boring Range	刀片 Insert	螺丝 Screw	刀片 Wrench	重量 Weight(kg)	单价 RMB
			Fig	C	L						
512600	TWE2026-C	LBK1	A	19	30	20-26	CC..0602..	M2.5x6	T8	0.1	857
512602	TWE2533-C	LBK2	A	24	40	25-33				0.2	914
512604	TWE3242-C	LBK3	A	31	50	32-42	CC..09T3..	M4.0x8	T15	0.3	980
512606	TWE4054-C	LBK4	A	39	60	40-54				0.5	1029
512608	TWE5270-C	LBK5	A	50	70	52-70	CC..1204..	M5.0x12	T20	0.8	1429
512610	TWE6895-C	LBK6	A	64	90	68-95				1.6	1571
512612	TWE90122-C	LBK6	A	95	100	90-122	CC..1204..	M5.0x12	T20	2.8	1556
512614	TWE120164-C	BST	B	95	120	120-164				3.0	2667
512616	TWE160204-C	BST	B	95	150	160-204	3.8	3556			

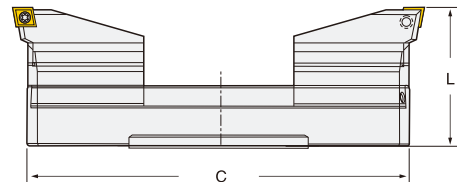
特点/Feature

1. 适用单刃镗孔，双刃镗孔及高低镗孔。镗孔范围：LBK分体式20-122，BST分体式120-910。
2. 新型锯齿滑座设计，加工时滑座承受的二个作用力相互抵消，具备良好的刚性和切削力，适用各形态的镗孔作业。
3. 可依照不同加工需求，轻易调整镗刀，快速完成少量多样的加工。加工深度可配合延长杆至所需长度。
4. 精密的侧边刻度，协助使用者轻易调整到所需的孔径范围。
5. 适用在各型切削中心机或镗床配合使用，并可通装各厂商规格相同的刀片。节省刀具加工时间并大幅度提高镗孔效率。
6. 高低断差设计，平刃或高低刃均可采用。
7. 直径120以上大孔径镗刀，使用直接组件，结构简单刚性强。

1. It is suitable for single edge boring, double edge boring and high and low-level boring. Boring range: LBK split type 20-122, BST split type 120-910.
2. The new serrated sliding seat design, when machining, the two forces on the sliding seat offset each other, has good rigidity and cutting force, and is suitable for all kinds of boring operations.
3. The boring cutter can be adjusted easily according to different processing requirements to complete a small number of diverse processing quickly. The machining depth can be matched with the extension rod to the required length.
4. Precise side scale helps users easily adjust to the required aperture range.
5. It is suitable for use with all kinds of cutting center machines or boring machines, and can be installed with blades of the same specification from all manufacturers. It can save machining time and improve boring efficiency.
6. High and low break difference design, both flat blade and high and low blade can be used.
7. Large bore boring cutter with diameter more than 120, using direct components, simple structure and strong rigidity.

TWE大径太空铝双刃粗镗头(减重型) 加工范围200-800mm

TWE Large diameter space aluminum double edge rough boring head (reduced heavy) Boring Range 200-800mm



编码 Order	型号 Model	接口 Connect	尺寸 Size (mm)		镗孔范围 Boring Range	刀片 Insert	螺丝 Screw	扳手 Wrench	重量 Weight (kg)	单价 RMB
			C	L						
512620	TWE200-310	BST	190	80	200-310	CC..1204..	M5.0x12	T20	3.7	3429
512622	TWE300-410	BST	290	80	300-410				4.7	6786
512624	TWE400-510	BST	390	80	400-510				5.7	8214
512626	TWE500-610	BST	490	80	500-610				7.0	8571
512628	TWE600-710	BST	590	80	600-710				8.0	16071
512630	TWE700-810	BST	690	80	700-810				9.5	19643

快速
钻孔

快速
钻孔

镗孔
加工
系统

钻头

铰刀

快速
钻头

铲钻

定心
钻头

VMD
大钻头

钻尖

空心
钻头

油路
配件

LBK
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刀柄

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精镗
系统

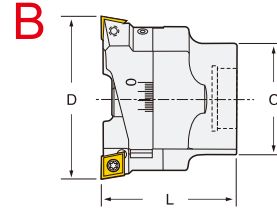
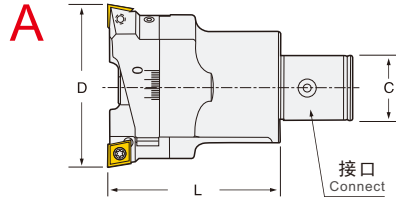
NBJ
NBH
镗孔
套装

TWE
RBH
粗镗
系统

钻头

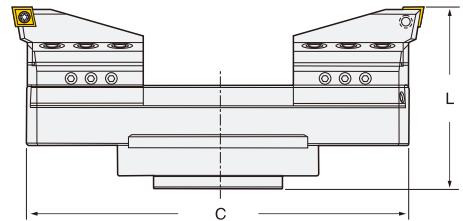
铰刀

RBH 双刃粗镗头 (加工范围20-204mm) RBH double edge rough boring head (Boring Range 20-204mm)



编码 Order	型号 Model	接口 Connect	尺寸 Size (mm)			镗孔范围 Boring Range	刀片 Insert	螺丝 Screw	刀片 Wrench	重量 Weight(kg)	单价 RMB
			Fig	C	L						
512640	RBH1926-C	LBK1	A	19	50	19-26	CC..0602..	M2.5x6	T8	0.1	325
512642	RBH2533-C	LBK2	A	24	50	25-33				0.2	325
512644	RBH3242-C	LBK3	A	31	55	32-42				0.3	375
512646	RBH4055-C	LBK4	A	39	75	40-55	CC..09T3..	M4.0x8	T15	0.5	500
512648	RBH5270-C	LBK5	A	50	75	52-70				0.8	800
512650	RBH6892-C	LBK6	A	64	85	68-92	CC..1204..	M5.0x12	T20	1.6	1000
512652	RBH90122-C	LBK6	A	95	100	90-122				2.8	1438
512654	RBH120164-C	BST	B	95	95	120-164				3.0	1785
512656	RBH160204-C	BST	B	95	95	160-204				3.8	2125

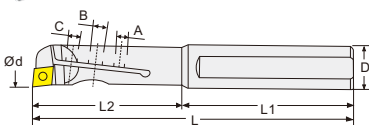
RBH 大径双刃粗镗头 (加工范围200-1200mm) RBH Large diameter double edge rough boring head (Boring Range 200-800mm)



编码 Order	型号 Model	接口 Connect	尺寸 Size (mm)		镗孔范围 Boring Range	刀片 Insert	螺丝 Screw	扳手 Wrench	重量 Weight(kg)	单价 RMB
			C	L						
512660	RBH200-310	BST	180	130	200-310	CC..1204..	M5.0x12	T20	9.7	3000
512662	RBH300-410	BST	280	130	300-410				11.7	5938
512664	RBH400-510	BST	380	130	400-510				13.7	7188
512666	RBH500-610	BST	480	130	500-610				15.7	7500
512668	RBH600-950	BST	580	130	600-950				17.7	14063
512670	RBH900-1200	BST	680	130	900-1200				19.7	17188

SCT 可调节镗刀杆

SCT adjustable boring bar

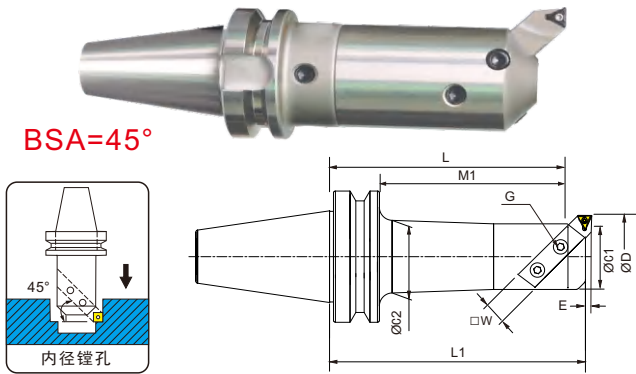


编码 Order	型号 Model	尺寸 Size (mm)				镗孔范围			螺丝 Screw			配件 Parts	单价 RMB
		L	L1	L2	ØD	d _(min)	d _(max)	A	B	C			
512680	SCT-10	100	70	30	10	10	12	M3x5	M4x8	M3x4	CC..06.. M2.5x6 T8	1100	
512682	SCT-12	105	65	40	12	12	15	M3x6.5	M4x10	M3x5.5		1100	
512684	SCT-15	110	60	50	16	15	20	M4x8	M5x12	M4x6		1100	
512686	SCT-20	120	60	60	20	20	25	M4x10	M5x16.5	M4x8		1100	
512688	SCT-25	140	70	70	25	25	30	M5x14	M6x20	M5x11	CC..09.. M4.0x8 T15	1300	
512690	SCT-30	160	70	90	25	30	35	M5x16	M6x25	M5x13.5		1300	
512692	SCT-35	170	70	100	32	35	40	M6x18.5	M8x30	M6x16		1300	
512694	SCT-40	190	70	120	32	40	45	M6x21	M8x35	M6x18		1300	
512696	SCT-45	220	70	150	40	45	50	M6x24	M8x40	M6x21		1300	

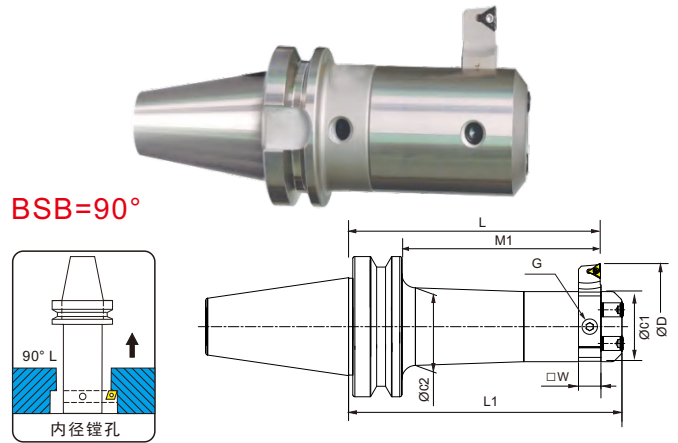
高效率镗孔加工 | High Efficiency Boring

BS 可调式粗镗孔刀柄

BS Adjustable rough boring toolholder



BSA=45°



BSB=90°

粗镗刀, 适于通孔及盲孔加工
1. 滑槽与刀刃平行
2. 镗刀头单独订购
3. 注意D的最小尺寸与L, L1, L2

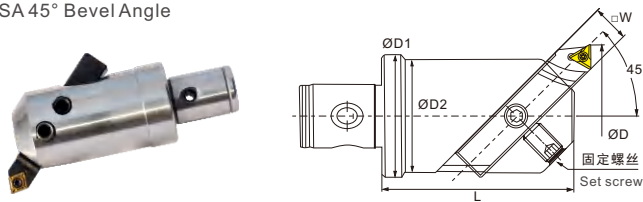
Boring Rough boring cutter, suitable for through hole and blind hole machining
1. The chute is parallel to the blade
2. Boring head ordered separately
3. Pay attention to the minimum dimension of D and L1, L2

粗镗刀, 适于通孔, 也可用来反镗。
Coarse boring cutter is suitable for through hole and reverse boring.

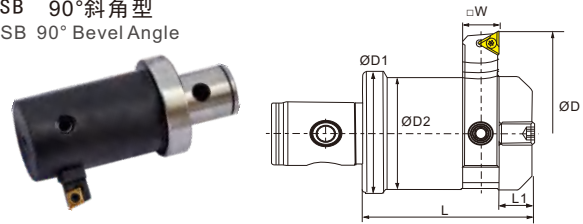
编码 Order	型号 Model	镗孔范围		尺寸 Size (mm)							单价 RMB
		D _(min)	D _(max)	L	M1	C1	C2	E	□W		
512300	BT30-BSA 20-105	20	30	105	85	17	19	-	6		
512302	25-120	25	38	120	100	20	24	1	8		
512304	25-160	25	38	160	140	20	24	1	8		
512306	30-150	30	42	150	130	24	28	1.6	8		
512308	30-180	30	42	180	160	24	28	1.6	8		
512310	30-210	30	42	210	190	24	28	1.6	8		
512312	38-165	38	52	165	145	30	36	2.6	10		
512314	50-165	50	65	165	145	40	48	3	13		
512316	50-210	50	65	210	190	40	48	3	13		
512318	BT40-BSA 25-135	25	38	135	110	20	24	1	8		
512320	30-150	30	42	150	125	24	28	1.6	8		
512322	38-165	38	52	165	140	30	36	2.6	10		
512324	50-165	50	65	165	140	40	48	3	13		
512326	50-210	50	65	210	185	40	48	3	13		
512328	62-165	62	90	165	140	50	48	2	16		
512330	62-225	62	90	225	200	50	58	2	16		
512332	72-165	72	110	165	140	60	60	2.4	19		
512334	72-225	72	110	225	200	60	60	2.4	19		
512336	90-165	90	125	165	140	75	62	4	19		
512338	90-210	90	125	210	185	75	62	4	19		
512340	BT50-BSA 25-135	25	38	135	100	20	24	1	8		
512342	30-165	30	42	165	130	24	28	1.6	8		
512344	38-180	38	52	180	145	30	36	2.6	10		
512346	38-230	38	52	230	195	30	36	2.6	10		
512348	42-210	42	56	210	175	34	38	2	10		
512350	42-240	42	56	240	205	34	38	2	10		
512352	50-180	50	65	180	145	40	48	3	13		
512354	50-240	50	65	240	205	40	48	3	13		
512356	50-270	50	65	270	235	40	48	3	13		
512358	50-300	50	65	300	265	40	48	3	13		
512360	62-195	62	90	195	160	50	58	2	16		
512362	62-240	62	90	240	205	50	58	2	16		
512364	62-270	62	90	270	235	50	58	2	16		
512366	62-300	62	90	300	265	50	58	2	16		
512368	72-195	72	110	195	160	60	68	2.4	19		
512370	72-240	72	110	240	205	60	68	2.4	19		
512372	72-285	72	110	285	250	60	68	2.4	19		
512374	72-320	72	110	320	285	60	68	2.4	19		
512376	90-210	90	125	210	175	75	74	4	19		
512378	90-250	90	125	250	215	75	76	4	19		
512380	90-300	90	125	300	265	75	76	4	19		
512382	105-195	105	160	195	160	90	76	3	25		
512384	105-285	105	160	285	250	90	76	3	25		

编码 Order	型号 Model	镗孔范围		尺寸 Size (mm)							单价 RMB
		D _(min)	D _(max)	L	M1	C1	C2	□W			
512400	BT30-BSB 20-105	20	30	105	85	17	19		6		
512402	25-120	25	38	120	100	20	24		8		
512404	25-160	25	38	160	140	20	24		8		
512406	30-150	30	42	150	130	24	28		8		
512408	30-165	30	42	180	160	24	28		8		
512410	30-210	30	42	210	190	24	28		8		
512412	38-165	38	52	165	145	30	36		10		
512414	50-165	50	65	165	145	40	48		13		
512416	50-210	50	65	210	190	40	48		13		
512418	BT40-BSB 25-135	25	38	135	110	20	24		8		
512420	38-165	38	52	165	140	30	36		10		
512422	50-165	50	65	165	140	40	48		13		
512424	50-210	50	65	210	185	40	48		13		
512426	62-165	62	90	165	140	50	54		16		
512428	62-225	62	90	225	200	50	56		16		
512430	72-165	72	110	165	140	60	60		19		
512432	72-225	72	110	225	200	60	60		19		
512434	90-165	90	125	165	140	75	75		19		
512436	90-210	90	125	210	185	75	64		19		
512438	BT50-BSB 25-135	25	38	135	100	20	24		8		
512440	38-180	38	52	180	145	30	38		10		
512442	38-230	38	52	230	195	30	38		10		
512444	42-210	42	56	210	175	34	38		10		
512446	42-240	42	56	240	205	34	38		10		
512448	50-180	50	65	180	145	40	48		13		
512450	50-240	50	65	240	205	40	48		13		
512452	50-270	50	65	270	235	40	48		13		
512454	50-300	50	65	300	265	40	48		13		
512456	62-195	62	90	195	160	50	58		16		
512458	62-240	62	90	240	205	50	58		16		
512460	62-270	62	90	270	235	50	58		16		
512462	62-300	62	90	300	265	50	58		16		
512464	62-330	72	110	195	160	60	68		19		
512466	72-195	72	110	240	205	60	68		19		
512468	72-240	72	110	285	250	60	68		19		
512470	72-285	72	110	320	285	60	68		19		
512472	90-210	90	125	210	175	75	80		19		
512474	90-250	90	125	250	215	75	80		19		
512476	90-300	90	125	300	265	75	80		19		
512478	105-195	105	160	195	160	90	-		25		
512480	105-285	105	160	285	250	90	94		25		

BSA 45° 斜角型
BSA 45° Bevel Angle



BSB 90°斜角型
BSB 90° Bevel Angle



编码 Order	型号 Model	镗孔范围		尺寸 Size (mm)				固定螺丝 Set screw	单价 RMB
		D _(min)	D _(max)	L	D1	D2	□W		
513300	BSA 25-LBK2	25	38	35	24	24		M6x1	400
513302	30-LBK2	30	42	40	24	24		M6x1	400
513304	38-LBK3	38	52	60	31	60		M8x1.25	425
513306	50-LBK4	50	65	70	42	40		M10x1.5	500
513308	62-LBK5	65	90	85	55	50		M12x1.75	630
513310	72-LBK6	72	110	98	63	60		M12x1.75	765
513312	90-LBK6	90	125	100	80	75		M12x1.75	1450
513314	105-LBK6	105	160	100	91	90		M12x1.75	2000

编码 Order	型号 Model	镗孔范围		尺寸 Size (mm)				固定螺丝 Set screw	单价 RMB
		D _(min)	D _(max)	L	D1	D2	□W		
513320	BSB 25-LBK2	26	52	45	24	20		M6x1	400
513322	38-LBK3	38	70	55	31	30		M8x1.25	425
513324	50-LBK4	50	90	60	42	40		M10x1.5	500
513326	62-LBK5	62	115	70	55	50		M12x1.75	630
513328	72-LBK6	72	135	85	63	60		M12x1.75	765
513330	90-LBK6	90	150	100	80	75		M12x1.75	1450
513332	105-LBK6	105	190	100	90	90		M12x1.75	2000

快速
钻孔

镗孔
加工
系统

钻头

铰刀

快速
钻头

铲齿

定心
钻头

VMD
大钻头

钻尖

空心
钻头

油路
配件

LBK
BST
镗孔
刀柄

HBOR
CBI
CBH
精镗
系统

NBJ
NBH
镗孔
套

TWE
RBH
粗镗
系统

钻头

铰刀

钻头

铰刀

钻头

铰刀

钻头

铰刀

钻头

铰刀

快速
钻孔

镗孔
加工
系统

钻头

铰刀

快速
钻头

铲钻

定心
钻头

VMD
大钻头

钻尖

空心
钻头

油路
配件

LBK
BST
镗孔
刀柄

HBOR
CBI
CBH
精镗
系统

NBJ
NBH
镗孔
套装

TWE
RBH
粗镗
系统

钻头

铰刀

TBS-30° 舍弃式镗孔刀杆

TBS-30° Machine clamp boring tool bar



编码 Order	型号 Model	镗孔范围		尺寸 Size (mm)		刀片 Insert	螺丝 Screw	扳手 Wrench	单价 RMB
		D _(min)	D _(max)	L	D				
513340	TBS 306-20L	20	30	20	6	TC..0902..	M2.2x6	T6	300
513342	308-25L	25	42	25	8				300
513344	310-36L	38	50	36	10	TC..1102..	M2.5x6	T8	300
513346	313-48L	50	70	48	13				300
513348	316-60L	70	90	60	16	TC..16T3..	M4.0x9	T15	400
513350	319-90L	90	135	90	19				500
513352	325-135L	140	190	135	25	600			

TBS-45° 舍弃式镗孔刀杆

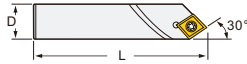
TBS-45° Machine clamp boring tool bar



编码 Order	型号 Model	镗孔范围		尺寸 Size (mm)		刀片 Insert	螺丝 Screw	扳手 Wrench	单价 RMB
		D _(min)	D _(max)	L	D				
513360	TBS 406-20L	20	30	20	6	TC..0902..	M2.2x6	T6	300
513362	408-25L	25	42	25	8				300
513364	410-45L	38	52	45	10	TC..1102..	M2.5x6	T8	200
513366	410-50L	42	56	50	10				200
513368	413-60L	50	65	60	13	TC..16T3..	M4.0x9	T15	300
513370	416-75L	62	90	75	16				300
513372	419-90L	72	110	90	19	TC..16T3..	M4.0x9	T15	400
513374	419-115L	90	125	115	19				500
513376	425-130L	105	160	130	25	600			

CBS-30° 舍弃式镗孔刀杆

CBS-30° Machine clamp boring tool bar



编码 Order	型号 Model	镗孔范围		尺寸 Size (mm)		刀片 Insert	螺丝 Screw	扳手 Wrench	单价 RMB
		D _(min)	D _(max)	L	D				
513410	CBS 306-20L	20	30	20	6	CC..0602..	M2.5x6	T8	300
513412	308-25L	25	42	25	8				300
513414	310-36L	38	50	36	10	CC..09T3..	M4.0x9	T15	300
513416	313-48L	50	70	48	13				400
513418	316-60L	70	90	60	16	CC..1204..	M5.0x12	T20	500
513420	319-90L	90	135	90	19				600
513422	325-135L	140	190	135	25	600			

CBS-45° 舍弃式镗孔刀杆

CBS-45° Machine clamp boring tool bar



编码 Order	型号 Model	镗孔范围		尺寸 Size (mm)		刀片 Insert	螺丝 Screw	扳手 Wrench	单价 RMB
		D _(min)	D _(max)	L	D				
513430	CBS 406-20L	20	30	20	6	CC..0602..	M2.5x6	T8	300
513432	408-30L	25	38	30	8				300
513434	408-35L	30	42	35	8	CC..09T3..	M4.0x9	T15	200
513436	410-45L	38	52	45	10				200
513438	410-50L	42	56	50	10	CC..1204..	M5.0x12	T20	300
513440	413-60L	50	65	60	13				300
513442	413-75L	62	90	75	13	CC..1204..	M5.0x12	T20	400
513444	419-115L	90	125	115	19				500
513446	425-130L	105	160	130	25	600			

SBS-30° 舍弃式镗孔刀杆

SBS-30° Machine clamp boring tool bar



编码 Order	型号 Model	镗孔范围		尺寸 Size (mm)		刀片 Insert	螺丝 Screw	扳手 Wrench	单价 RMB
		D _(min)	D _(max)	L	D				
513480	SBS 306-20L	20	30	20	6	TP..0902..	M2.5x6	T8	300
513482	308-25L	25	42	25	8				300
513484	310-36L	38	50	36	10	TP..1103..	M3.0x8	T10	300
513486	313-48L	50	70	48	13				300
513488	316-60L	70	90	60	16	TP..1603..	M4.0x9	T15	400
513490	319-90L	90	135	90	19				500
513492	325-135L	140	190	135	25	600			

SBS-45° 舍弃式镗孔刀杆

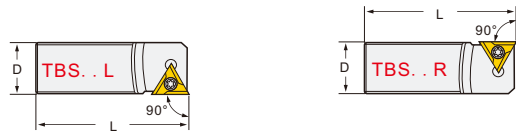
SBS-45° Machine clamp boring tool bar



编码 Order	型号 Model	镗孔范围		尺寸 Size (mm)		刀片 Insert	螺丝 Screw	扳手 Wrench	单价 RMB
		D _(min)	D _(max)	L	D				
513500	SBS 406-20L	20	30	20	6	TP..0902..	M2.5x6	T8	300
513502	408-25L	25	42	25	8				300
513504	410-45L	38	52	45	10	TP..1103..	M3.0x8	T10	200
513506	410-50L	42	56	50	10				200
513508	413-60L	50	65	60	13	TP..1603..	M4.0x9	T15	300
513510	416-75L	62	90	75	16				300
513512	419-90L	72	110	90	19	TP..1603..	M4.0x9	T15	400
513514	419-115L	90	125	115	19				500
513516	425-130L	105	160	130	25	600			

TBS-90° 舍弃式镗孔刀杆

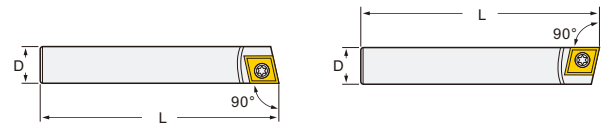
TBS-90° Machine clamp boring tool bar



编码 Order	型号 Model	镗孔范围		尺寸 Size (mm)		刀片 Insert	螺丝 Screw	扳手 Wrench	单价 RMB
		D _(min)	D _(max)	L	D				
513380	TBS 906-20L/R	20	30	20	6	TC..0902..	M2.2x6	T6	200
513382	908-25L/R	25	42	25	8				200
513384	910-36L/R	38	50	36	10	TC..1102..	M2.5x6	T8	200
513386	910-45L/R	50	70	45	10				200
513388	913-48L/R	50	70	48	13	TC..16T3..	M4.0x9	T15	200
513390	913-65L/R	70	90	65	13				200
513392	916-60L/R	62	90	60	16	TC..16T3..	M4.0x9	T15	200
513394	916-80L/R	90	115	80	16				200
513396	919-70L/R	72	105	70	19	TC..16T3..	M4.0x9	T15	300
513398	919-85L/R	105	115	85	19				300
513400	919-90L/R	90	135	90	19	TC..16T3..	M4.0x9	T15	400
513402	919-105L/R	105	150	105	19				300
513404	925-100L/R	115	140	100	25	TC..16T3..	M4.0x9	T15	500
513406	925-135L/R	140	190	135	25				600

CBS-90° 舍弃式镗孔刀杆

CBS-90° Machine clamp boring tool bar



编码 Order	型号 Model	镗孔范围		尺寸 Size (mm)		刀片 Insert	螺丝 Screw	扳手 Wrench	单价 RMB
		D _(min)	D _(max)	L	D				
513450	CBS 906-20L/R	20	30	20	6	CC..0602..	M2.5x6	T8	200
513452	908-23L/R	25	38	23	8				200
513454	908-30L/R	32	52	30	8	CC..09T3..	M4.0x9	T15	200
513456	910-36L/R	38	50	36	10				200
513458	910-45L/R	50	70	45	10	CC..09T3..	M4.0x9	T15	200
513460	913-48L/R	50	70	48	13				200
513462	913-65L/R	70	90	65	13	CC..1204..	M5.0x12	T20	200
513464	916-60L/R	62	90	60	16				200
513466	916-80L/R	90	115	80	16	CC..1204..	M5.0x12	T20	200
513468	919-70L/R	72	105	70	19				300
513470	919-90L/R	105	135	90	19	CC..1204..	M5.0x12	T20	300
513472	919-85L/R	90	115	85	19				300
513474	919-105L/R	115	150	105	19	CC..1204..	M5.0x12	T20	400
513476	925-100L/R	105	140	100	25				500
513478	925-135L/R	140	190	135	25	600			

SBS-90° 舍弃式镗孔刀杆

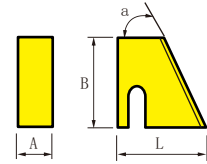
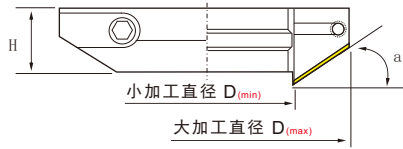
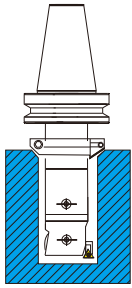
SBS-90° Machine clamp boring tool bar



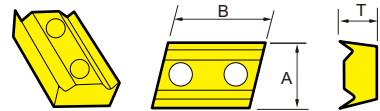
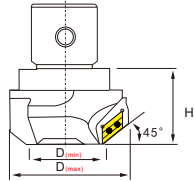
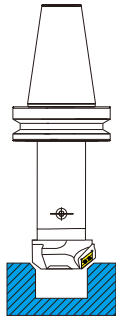
编码 Order	型号 Model	镗孔范围		尺寸 Size (mm)		刀片 Insert	螺丝 Screw	扳手 Wrench	单价 RMB
		D _(min)	D _(max)	L	D				
513520	SBS 906-20L/R	20	30	20	6	TP..0902..	M2.5x6	T8	200
513522	908-25L/R	25	42	25	8				200
513524	910-36L/R	38	50	36	10	TP..1103..	M3.0x8	T10	200
513526	910-45L/R	50	70	45	10				200
513528	913-48L/R	50	70	48	13	TP..1603..	M4.0x9	T15	200
513530	913-65L/R	70	90	65	13				200
513532	916-60L/R	62	90	60	16	TP..1603..	M4.0x9	T15	200
513534	916-80L/R	90	115	80	16				200
513536	919-70L/R	72	105	70	19	TP..1603..	M4.0x9	T15	300
513538	919-85L/R	105	115	85	19				300
513540	919-90L/R	90	135	90	19	TP..1603..	M4.0x9	T15	300
513542	919-105L/R	105	150	105	19				400
513544	925-100L/R	115	140	100	25	TP..1603..	M4.0x9	T15	500
513546	925-135L/R	140	190	135	25				600

快速
钻孔

LBK 倒角刀 LBK Chamfering cutter



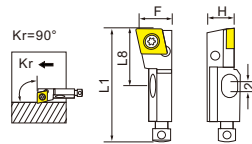
编码 Order	型号 Model	镗孔范围		高度 H	接口 LBK	刀片 Insert	单价 RMB	编码 Order	型号 Model	尺寸 Size (mm)				刀片 Insert	单价 RMB
		D _(min)	D _(max)							L	A	B	a		
513121	ZC1-35	20	35	13	LBK1	ZM1-45		513130	ZM1-45	23.5	4	9	45°	CK1-CK4	
513122	ZC2-42	25	42	15	LBK2	ZM1-30		513131	ZM2-45	43	8	20	45°	CK5-CK6	
513123	ZC3-49	32	49	15	LBK3	ZM1-30		513132	ZM1-30	27.5	4	9	30°	CK1-CK4	
513124	ZC4-57	41	57	15	LBK4	ZM1-30		513133	ZM2-30	52	8	20	30°	CK5-CK6	
513125	ZC5-90	53	90	25	LBK5	ZM2-45									
513126	ZC6-104	68	104	25	LBK6	ZM2-30									
513127	ZC7-138	98	138	25	LBK6	ZM2-30									
513128	ZC8-160	120	160	25	LBK6	ZM2-30									



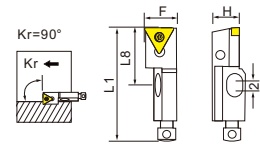
编码 Order	型号 Model	镗孔范围		高度 H	接口 LBK	刀片 Insert	配件 Parts	编码 Order	型号 Model	尺寸 Size (mm)			单价 RMB
		D _(min)	D _(max)							A	B	T	
513140	LBK2-C0525	5	25	25	LBK2	CW1206A	M2/T6	513150	CW1206A	6.35	12.7	2.7	
513141	LBK4-C1040	10	40	35	LBK4	CW1909A	M3/T8	513151	CW1909A	9.525	4.5	4.5	
513142	LBK5-C3060	30	60	40	LBK5	CW1909A	M3/T8	513152	CW3115A	15.875	7.0	7.0	
513143	LBK5-C50100	50	100	65	LBK6	CW3115A	M5/T20						

卡式刀座 Cutter Toolholder

SCFCR



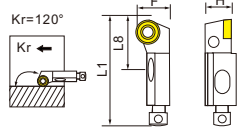
STFPR



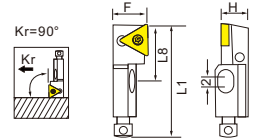
编码 Order	型号 Model	尺寸 Size (mm)					刀片 Insert	螺丝 Screw	扳手 Wrench	单价 RMB
		L1	L8	F	H	Dm				
513200	STFCR- 08CA-06	32	15	10	8	25	CC..0602..	M2.5x6	T8	500
513202	10CA-09	50	30	14	10	40	CC..09T3..	M4.0x9	T15	500

编码 Order	型号 Model	尺寸 Size (mm)					刀片 Insert	螺丝 Screw	扳手 Wrench	单价 RMB
		L1	L8	F	H	Dm				
513218	STFPR- 08CA-09	32	15	10	8	25	TP..0902..	M2.5x6	T8	500
513220	10CA-11	50	30	14	10	40	TP..1103..	M3.0x8	T10	500
513222	12CA-16	55	35	20	12	50	TP..1603..	M4.0x9	T15	500

SRSCR



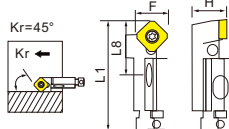
STGCL



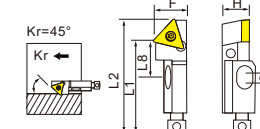
编码 Order	型号 Model	尺寸 Size (mm)					刀片 Insert	螺丝 Screw	扳手 Wrench	单价 RMB
		L1	L8	F	H	Dm				
513208	SRSCR- 10CA-10	50	30	14	10	40	RC..10T3..	M3.5x8	T15	500

编码 Order	型号 Model	尺寸 Size (mm)					刀片 Insert	螺丝 Screw	扳手 Wrench	单价 RMB
		L1	L8	F	H	Dm				
513224	STGCL 12CA-16	32	35	20	12	75	TC..16T3..	M4.0x9	T15	500

SSSPR



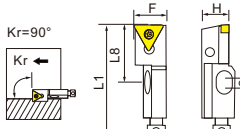
STSPR



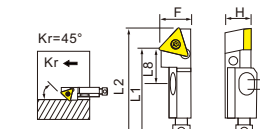
编码 Order	型号 Model	尺寸 Size (mm)					刀片 Insert	螺丝 Screw	扳手 Wrench	单价 RMB
		L1	L8	F	H	Dm				
513210	SSSPR- 10CA-09	50	30	14	10	40	SP..0903..	M3.5x8	T15	500

编码 Order	型号 Model	尺寸 Size (mm)					刀片 Insert	螺丝 Screw	扳手 Wrench	单价 RMB
		L1	L8	F	H	Dm				
513230	STSPR- 08CA-09	28	11	10	8	25	TP..0902..	M2.5x6	T8	500
513232	10CA-11	44	24	14	10	40	TP..1103..	M3.0x8	T10	500
513234	12CA-16	47	27	20	12	50	TP..1603..	M4.0x9	T15	500

STFCR



STSCR



编码 Order	型号 Model	尺寸 Size (mm)					刀片 Insert	螺丝 Screw	扳手 Wrench	单价 RMB
		L1	L8	F	H	Dm				
513212	SSSPR- 08CA-09	32	15	10	8	25	TC..0902..	M2.2x5	T6	500
513214	10CA-11	50	30	14	10	40	TC..1102..	M2.5x6	T8	500
513216	12CA-16	55	35	20	12	50	TC..16T3..	M4.0x9	T15	500

编码 Order	型号 Model	尺寸 Size (mm)					刀片 Insert	螺丝 Screw	扳手 Wrench	单价 RMB
		L1	L8	F	H	Dm				
513236	STSCR- 08CA-09	28	11	10	8	25	TC..0902..	M2.2x5	T6	500
513238	10CA-11	44	24	14	10	40	TC..1102..	M2.5x6	T8	500
513240	12CA-16	47	27	20	12	50	TC..16T3..	M4.0x9	T15	500

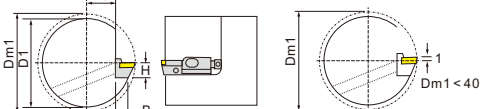
轴向安装 Axial mounting

轴向安装
Axial mounting

$$D1 = 2\sqrt{H^2 + (B \pm Xa)^2}$$

$$Xa = \frac{Dm1}{2} - F$$

轴向调整 ±1mm
Radial adjust ±0.5mm



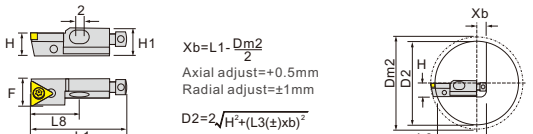
径向安装 Radial mounting

径向安装
Radial mounting

$$Xb = L1 - \frac{Dm2}{2}$$

$$D2 = 2\sqrt{H^2 + (L3 \pm Xb)^2}$$

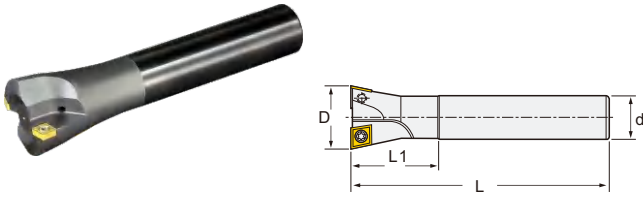
轴向调整 ±0.5mm
Radial adjust ±1mm



固定式粗镗/倒角刀

Fixed rough boring / Chamfering cutter

TBL 固定式双刃粗镗刀杆
TBL Fixed double edge rough boring bar



TBC 固定式双刃粗镗头
TBC Fixed double edge rough boring head

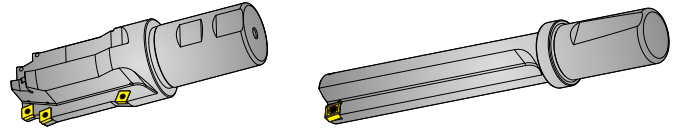


编码 Order	型号 Model	尺寸Size (mm)				刃数 Edge	刀片 Insert	螺丝 Screw	扳手 Wrench	单价 RMB
		D	d	L1	L					
513600	TBL 8-130-C16	7.7	16	35	130	1				400
513602	9-130-C16	8.7	16	40	130	1				400
513604	10-130-C16	9.7	16	45	130	1				400
513606	11-130-C16	10.7	16	55	130	1				400
513608	12-130-C16	11.7	16	60	130	1				400
513610	13-130-C16	12.7	16	65	130	1				250
513612	14-130-C16	13.7	16	70	130	1				250
513614	15-110-C16	14.7	16	60	110	2				250
513616	15-150-C16	14.7	16	80	150	2				250
513618	16-110-C16	15.7	16	60	110	2				250
513620	16-160-C16	15.7	16	80	160	2				250
513622	16-240-C16	15.7	16	160	240	2				750
513624	17-110-C16	16.7	16	40	110	2				250
513626	17-160-C16	16.7	16	40	160	2				250
513628	17-240-C16	16.7	16	40	240	2				750
513630	18-110-C16	17.7	16	40	110	2				250
513632	18-160-C16	17.7	16	40	160	2				250
513634	18-240-C16	17.7	16	40	240	2				750
513636	19-110-C16	18.7	16	40	110	2				250
513638	19-160-C16	18.7	16	40	160	2	CC..0602..	M2.5x6	T8	250
513640	19-240-C16	18.7	16	40	240	2				750
513642	20-110-C16	19.7	16	40	110	2				250
513644	20-160-C16	19.7	16	40	160	2				250
513646	20-240-C16	19.7	16	40	240	2				750
513648	21-120-C20	20.7	20	40	120	2				300
513650	21-180-C20	20.7	20	40	180	2				300
513652	21-260-C20	20.7	20	40	260	2				1000
513654	22-120-C20	21.7	20	40	120	2				300
513656	22-180-C20	21.7	20	40	180	2				300
513658	22-260-C20	21.7	20	40	260	2				1000
513660	23-120-C20	22.7	20	40	120	2				300
513662	23-160-C20	22.7	20	40	160	2				300
513664	23-260-C20	22.7	20	40	260	2				1000
513666	24-120-C20	23.7	20	40	120	2				300
513668	24-180-C20	23.7	20	40	180	2				300
513670	24-260-C20	23.7	20	40	260	2				1000
513672	25-120-C20	24.7	20	40	120	2				300
513674	25-180-C20	24.7	20	40	180	2				300
513676	25-260-C20	24.7	20	40	260	2				1250
513678	26-120-C20	25.7	20	40	120	2				400
513680	26-180-C20	25.7	20	40	180	2				400
513682	26-260-C20	25.7	20	40	260	2				1250
513684	27-120-C20	26.7	20	40	120	2				400
513686	27-200-C20	26.7	20	40	200	2				400
513688	27-280-C20	26.7	20	40	280	2				1250
513690	28-120-C20	27.7	20	40	120	2				400
513692	28-200-C20	27.7	20	40	200	2				400
513694	28-280-C20	27.7	20	40	280	2				1250
513696	29-200-C25	28.7	25	40	200	2				400
513698	29-280-C25	28.7	25	40	280	2				1250
513700	30-160-C25	29.7	25	40	160	2				400
513702	30-200-C25	29.7	25	40	200	2				400
513704	30-280-C25	29.7	25	40	280	2				1250
513706	31-200-C25	30.7	25	40	200	2				500
513708	31-280-C25	30.7	25	40	280	2				1500
513710	32-160-C25	31.7	25	40	160	2				500
513712	32-210-C25	31.7	25	40	210	2				500
513714	32-280-C25	31.7	25	40	280	2				1500
513716	33-220-C32	32.7	32	40	220	2				500
513718	34-220-C32	33.7	32	40	220	2	CC..09T3..	M4.0x9	T15	500
513720	35-160-C32	34.7	32	40	160	2				500
513722	35-250-C32	34.7	32	40	250	2				550
513724	36-250-C32	35.7	32	40	250	2				550
513726	37-160-C32	36.7	32	40	160	2				550
513728	37-250-C32	36.7	32	40	250	2				550
513730	38-250-C32	37.7	32	40	250	2				550
513732	39-250-C32	38.7	32	40	250	2				550
513734	40-160-C32	39.7	32	40	160	2				550
513736	40-250-C32	39.7	32	40	250	2				600
513738	41-250-C32	40.7	32	40	250	2				600
513740	42-250-C32	41.7	32	40	250	2				600
513742	43-250-C32	42.7	32	40	250	2				600
513744	44-250-C32	43.7	32	40	250	2				600
513746	45-250-C32	44.7	32	40	250	2				800
513748	46-250-C32	45.7	32	40	250	2				800
513750	47-250-C32	46.7	32	40	250	2				800
513752	48-250-C32	47.7	32	40	250	2				800
513754	49-250-C32	48.7	32	40	250	2				950
513756	50-250-C32	49.7	32	40	250	2				950

编码 Order	型号 Model	尺寸Size (mm)			刃数 Edge	刀片 Insert	螺丝 Screw	扳手 Wrench	单价 RMB
		D	d	H					
513760	TBC 22-45	44.7	22	50	2				400
513762	22-50	49.7	22	50	2	CC..09T3..	M4.0x9	T15	1150
513764	22-55	54.7	22	50	2				1150
513766	22-80	59.7	22	50	2				1150
513768	TBC 27-60	59.7	27	50	2				1150
513770	27-65	64.7	27	50	2				1275
513772	27-70	69.7	27	50	2				1275
513774	27-75	74.7	27	50	2				1275
513776	27-80	79.7	27	50	2	CC..09T3..	M4.0x9	T15	1275
513778	27-85	84.7	27	50	2				1275
513780	27-90	89.7	27	50	2				1500
513782	27-95	94.7	27	50	2				1500
513784	27-100	99.7	27	50	2				1500
513786	TBC 32-105	104.7	32	63	2				1500
513788	32-110	109.7	32	63	2				1750
513790	32-115	114.7	32	63	2				1750
513792	32-120	119.7	32	63	2	CC..09T3..	M4.0x9	T15	1750
513794	32-125	124.7	32	63	2				1750
513796	32-130	129.7	32	63	2				1750

非标孔加工刀具

Nonstandard tool for boring



削平柄复合镗刀

Compound boring cutter

定尺寸扩孔钻

Fixed size drill

1. 高效率：一把刀具可以在一次进给中完成多道工序加工。
2. 高刚性：由于是量身定制，刀具可以按加工要求设计成最高刚性结构。
3. 超灵活：无论是超长超大还是特殊形状的刀具都能为您定制。

1. High efficiency: one tool can complete multi process processing in one feed.
2. High rigidity: because it is customized, the cutting tool can be designed into the highest rigidity structure according to the processing requirements.
3. Super flexible: both super long and super large cutters and special shaped cutters can be customized for you.

※ 定制非标刀具的一般步骤：

Custom non-standard tool of the general steps:

- 第一步：提供工件加工图纸，并详细注明需要加工位置的尺寸要求及工件的材质、硬度。
step1: providing workpiece drawings, and detailed processing of specifying a location of the size requirements and the workpiece material, hardness.
- 第二步：指定刀具柄部的型式，可以是BT等整体式主轴柄，也可以是削平柄或斜削平柄等直柄或其它任何形式的接口。
step2: Specify the type of tool shank, which can be integral spindle handle BT, etc. may also be a leveling out or raked flat shank straight shank handle, etc. or any other form of interface.
- 第三步：尽可能详细的提供下述资料以便我们为 您量身定制最符合您需求的刀具。
step3: to provide the following information as detailed as possible so that we can provide you customized tool that best meets your needs.

机床类型 Machine Type _____

机床功率 (KW) Machine power (KW) _____

最大转速 (RPM) Maximum Speed (RPM) _____

最大冷却液压力 Maximum Coolant Pressure _____

钻头旋转 Rotary Drill 工件旋转 Workpiece rotation

垂直钻削 Vertical Drilling 水平钻削 The level of drilling

冷却方式 Cooling 内冷 Cooled 外冷 External cooling

机床刚性 Machine rigidity 高 High 一般 Common 差 Low

1. 如果您已经有设计好的非标刀具图纸，那么仅提供刀具图纸我们就可以为您加工。

1. If you already have designed non-standard drawing tools, then we can only provide tools that you are drawing processing.

2. 尽可能详细的提供您需要定制刀具的相关资料，资料越详细，定制的刀具将越合用。

2. Much detail as possible you need to customize the tool to provide relevant information, data more detailed, customized tool will be more shared.

3. 如果您还有其它要求请直接与我们的工程师沟通。

3. If you have other requirements please communicate directly with our engineers.

快速
钻孔

镗孔
加工
系统

钻头

铰刀

快速
钻头

铲齿

定心
钻头

VMD
大钻头

钻尖

空心
钻头

油路
配件

LBK
BST
镗孔
刀柄

HBOR
CBI
CBH
精镗
系统

NBJ
NBH
镗孔
套装

TWE
RBH
粗镗
系统

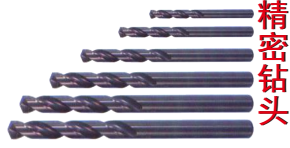
钻头

铰刀

直柄标准麻花钻头 Straight Shank Drill

产品编码: 525...

尺寸			单价(人民币)	
刃径	刃长	全长	L6542	M35
0.2	3	19	72	
0.3	3.5	20	59	
0.4	5.5	24	547	
0.5	7.5	27	7	9
0.6	8.5	30	7	9
0.7	10	32	7	9
0.8	11	34	7	9
0.9	13	36	7	9
1.0	18	40	7	9
1.1	20	42	7	9
1.2	20	42	7	9
1.3	22	45	7	9
1.4	23	48	7	9
1.5	23	48	7	9
1.6	25	50	8	10
1.7	25	50	8	10
1.8	28	52	8	10
1.9	28	52	8	10
2.0	29	55	8	10
2.1	29	55	8.5	11
2.2	33	58	8.5	11
2.3	33	58	8.5	11
2.4	35	61	8.5	11
2.5	35	61	8.5	11
2.6	37	64	10	13
2.7	37	64	10	13
2.8	39	67	10	13
2.9	42	71	10	13
3.0	42	71	10	13
3.1	42	71	11	14
3.2	42	71	11	14
3.3	45	73	11	14
3.4	45	73	11	14
3.5	45	73	11	14
3.6	48	76	13	16
3.7	48	76	13	16
3.8	48	76	13	16
3.9	51	79	13	16
4.0	54	83	13	16
4.1	54	83	17	21
4.2	54	83	17	21
4.3	54	83	18	23
4.4	56	86	18	23
4.5	56	86	18	23
4.6	56	86	20	25
4.7	59	89	20	25
4.8	59	89	20	25
4.9	62	92	20	25
5.0	62	92	20	25
5.1	62	92	24	30
5.2	64	95	24	30
5.3	64	95	26	33
5.4	64	95	26	33
5.5	64	95	26	33
5.6	67	98	29	36
5.7	67	98	29	36
5.8	67	98	29	36
5.9	67	98	29	36
6.0	70	102	29	36
6.1	70	102	33	41
6.2	70	102	33	41
6.3	70	102	33	41
6.4	73	105	33	41
6.5	73	105	33	41
6.6	73	105	39	49
6.7	73	105	39	49
6.8	73	105	39	49
6.9	73	105	39	49
7.0	73	105	39	49
7.1	75	108	47	59
7.2	75	108	47	59
7.3	75	108	47	59
7.4	78	111	47	59



精密钻头

尺寸			单价(人民币)	
刃径	刃长	全长	L6542	M35
7.5	78	111	47	59
7.6	78	111	55	69
7.7	81	114	55	69
7.8	81	114	55	69
7.9	81	114	55	69
8.0	81	114	55	69
8.1	84	117	69	86
8.2	84	117	69	86
8.3	84	117	69	86
8.4	87	121	69	86
8.5	87	121	69	86
8.6	87	121	76	95
8.7	87	121	76	95
8.8	89	124	76	95
8.9	89	124	76	95
9.0	89	124	76	95
9.1	89	124	83	104
9.2	92	127	83	104
9.3	92	127	83	104
9.4	92	127	83	104
9.5	92	127	83	104
9.6	95	130	93	116
9.7	95	130	93	116
9.8	95	130	93	116
9.9	95	130	93	116
10.0	95	130	93	116
10.1	98	133	105	131
10.2	98	133	105	131
10.3	98	133	105	131
10.4	98	133	105	131
10.5	100	137	105	131
10.6	100	137	113	141
10.7	100	137	113	141
10.8	103	140	113	141
10.9	103	140	113	141
11.0	103	140	113	141
11.1	103	140	125	156
11.2	106	143	125	156
11.3	106	143	125	156
11.4	106	143	125	156
11.5	106	143	125	156
11.6	109	146	136	170
11.7	109	146	136	170
11.8	109	146	136	170
11.9	109	146	136	170
12.0	111	149	136	170
12.1	111	149	150	188
12.2	111	149	150	188
12.3	111	149	150	188
12.4	114	152	150	188
12.5	114	152	150	188
12.6	114	152	160	200
12.7	114	152	160	200
12.8	114	152	160	200
12.9	114	152	160	200
13.0	114	152	160	200
13.5	122	168	195	244
14.0	122	168	245	306
14.5	122	168	308	385
15.0	132	181	370	463
15.5	132	181	423	529
16.0	132	181	440	550
16.5	132	181	485	606
17.0	143	194	530	663
17.5	143	194	550	688

直柄加长钻头 Straight shank lengthening drill bit



尺寸			单价(人民币)	
刃径	刃长	全长	L6542	M35
1.0	35	75	10	13
	40	100	15	19
1.1	35	75	10	13
	40	100	15	19
1.2	35	75	10	13
	40	100	15	19
1.3	35	75	10	13
	40	100	15	19
1.4	35	75	10	13
	40	100	15	19
1.5	35	75	10	13
	40	100	15	19
1.6	35	75	10	13
	40	100	15	19
1.7	35	75	10	13
	40	100	15	19
1.8	35	75	10	13
	40	100	15	19
1.9	35	75	10	13
	40	100	15	19
2.0	40	100	10	13
	60	150	15	19
2.1	40	100	10	13
	60	150	15	19
2.2	40	100	10	13
	60	150	15	19
2.3	40	100	10	13
	60	150	15	19
2.4	40	100	10	13
	60	150	15	19
2.5	50	100	10	13
	60	150	33	41
	100	200	48	60
2.6	50	100	10	13
	75	150	33	41
	100	200	48	60
2.7	50	100	10	13
	75	150	33	41
	100	200	48	60
2.8	50	100	10	13
	75	150	33	41
	100	200	48	60
2.9	50	100	10	13
	75	150	33	41
	100	200	48	60
3.0	50	100	10	13
	75	150	33	41
	100	200	48	60
3.1	75	150	36	45
	100	200	48	60
3.2	75	150	36	45
	100	200	48	60
3.3	75	150	36	45
	100	200	48	60
3.4	75	150	36	45
	100	200	48	60
3.5	75	150	36	45
	100	200	48	60
3.6	75	150	46	58
	100	200	57	71
	120	250	76	95
	120	300	100	125
3.7	75	150	46	58
	100	200	57	71
	120	250	76	95
	120	300	100	125
3.8	75	150	46	58
	100	200	57	71
	120	250	76	95
	120	300	100	125
3.9	75	150	46	58
	100	200	57	71
	120	250	76	95
	120	300	100	125

尺寸			单价(人民币)	
刃径	刃长	全长	L6542	M35
4.0	75	150	46	58
	100	200	57	71
	120	250	76	95
	120	300	100	125
4.1	75	150	49	61
	100	200	67	84
	120	250	86	108
	120	300	109	136
4.2	75	150	49	61
	100	200	67	84
	120	250	86	108
	120	300	109	136
4.3	75	150	49	61
	100	200	67	84
	120	250	86	108
	120	300	109	136
4.4	75	150	49	61
	100	200	67	84
	120	250	86	108
	120	300	109	136
4.5	75	150	49	61
	100	200	67	84
	120	250	86	108
	120	300	109	136
4.6	75	150	57	71
	100	200	76	95
	120	250	100	125
	130	300	119	149
	150	400	150	188
4.7	75	150	57	71
	100	200	76	95
	120	250	100	125
	130	300	119	149
	150	400	150	188
4.8	75	150	57	71
	100	200	76	95
	120	250	100	125
	130	300	119	149
	150	400	150	188
4.9	75	150	57	71
	100	200	76	95
	120	250	100	125
	130	300	119	149
	150	400	150	188
5.0	75	150	57	71
	100	200	76	95
	120	250	100	125
	130	300	119	149
	150	400	150	188
5.1	75	150	62	78
	100	200	81	101
	120	250	115	144
	130	300	135	169
	150	400	165	206
5.2	75	150	62	78
	100	200	81	101
	120	250	115	144
	130	300	135	169
	150	400	165	206
5.3	75	150	62	78
	100	200	81	101
	120	250	115	144
	130	300	135	169
	150	400	165	206
5.4	75	150	62	78
	100	200		

直柄加长钻头 Straight shank lengthening drill bit



	尺寸			单价(人民币)	
	刃径	刃长	全长	L6542	M35
5.6	100	150	69	86	
	100	200	95	119	
	120	250	125	156	
	150	300	155	194	
5.7	180	400	220	275	
	180	500	315	394	
	100	150	69	86	
	100	200	95	119	
5.8	120	250	125	156	
	150	300	155	194	
	180	400	220	275	
	180	500	315	394	
5.9	100	150	69	86	
	100	200	95	119	
	120	250	125	156	
	150	300	155	194	
6.0	180	400	220	275	
	180	500	315	394	
	100	150	69	86	
	100	200	95	119	
6.1	120	250	125	156	
	150	300	155	194	
	180	400	220	275	
	200	600	500	625	
6.2	100	150	69	86	
	100	200	95	119	
	120	250	125	156	
	150	300	155	194	
6.3	100	150	69	86	
	100	200	95	119	
	120	250	125	156	
	150	300	155	194	
6.4	100	150	69	86	
	100	200	95	119	
	120	250	125	156	
	150	300	155	194	
6.5	100	200	105	131	
	120	250	150	188	
	150	300	175	219	
	200	400	285	356	
6.6	200	500	370	463	
	200	600	495	619	
	100	200	105	131	
	120	250	150	188	
6.7	150	300	175	219	
	100	200	105	131	
	120	250	150	188	
	150	300	175	219	
6.8	100	200	105	131	
	120	250	150	188	
	150	300	175	219	
	100	200	105	131	
6.9	120	250	150	188	
	150	300	175	219	
	200	400	285	356	
	200	500	370	463	
7.0	200	600	495	619	
	100	200	105	131	
	120	250	150	188	
	150	300	175	219	
7.1	200	400	285	356	
	200	500	370	463	
	100	200	105	131	
	120	250	150	188	
	150	300	175	219	

	刃径	刃长	全长	L6542		M35	
7.2	100	200	120	150			
	120	250	152	190			
	150	300	250	313			
7.3	100	200	120	150			
	120	250	152	190			
	150	300	250	313			
7.4	100	200	120	150			
	120	250	152	190			
	150	300	250	313			
7.5	100	200	120	150			
	120	250	152	190			
	150	300	250	313			
7.6	100	200	130	163			
	120	250	165	206			
	150	300	220	275			
7.7	100	200	130	163			
	120	250	165	206			
	150	300	220	275			
7.8	100	200	130	163			
	120	250	165	206			
	150	300	220	275			
7.9	100	200	130	163			
	120	250	165	206			
	150	300	220	275			
8.0	100	200	130	163			
	120	250	165	206			
	150	300	220	275			
8.1	100	200	145	181			
	120	250	185	231			
	150	300	238	298			
8.2	100	200	145	181			
	120	250	185	231			
	150	300	238	298			
8.3	100	200	145	181			
	120	250	185	231			
	150	300	238	298			
8.4	100	200	145	181			
	120	250	185	231			
	150	300	238	298			
8.5	100	200	145	181			
	120	250	185	231			
	150	300	238	298			
8.6	100	200	152	190			
	120	250	195	244			
	150	300	266	333			
8.7	100	200	152	190			
	120	250	195	244			
	150	300	266	333			
8.8	100	200	152	190			
	120	250	195	244			
	150	300	266	333			
8.9	100	200	152	190			
	120	250	195	244			
	150	300	266	333			
9.0	100	200	152	190			
	120	250	195	244			
	150	300	266	333			
9.1	100	200	162	203			
	120	250	220	275			
	150	300	285	356			
9.2	100	200	162	203			
	120	250	220	275			
	150	300	285	356			

	尺寸			单价(人民币)	
	刃径	刃长	全长	L6542	M35
9.3	100	200	162	203	
	120	250	220	275	
	150	300	285	356	
9.4	100	200	162	203	
	120	250	220	275	
	150	300	285	356	
9.5	100	200	162	203	
	120	250	220	275	
	150	300	285	356	
9.6	100	200	171	214	
	120	250	238	298	
	150	300	295	369	
9.7	100	200	171	214	
	120	250	238	298	
	150	300	295	369	
9.8	100	200	171	214	
	120	250	238	298	
	150	300	295	369	
9.9	100	200	171	214	
	120	250	238	298	
	150	300	295	369	
10.0	100	200	171	214	
	120	250	238	298	
	150	300	295	369	
10.1	100	200	185	231	
	120	250	252	315	
	150	300	305	381	
10.2	100	200	185	231	
	120	250	252	315	
	150	300	305	381	
10.3	100	200	185	231	
	120	250	252	315	
	150	300	305	381	
10.4	100	200	185	231	
	120	250	252	315	
	150	300	305	381	
10.5	100	200	185	231	
	120	250	252	315	
	150	300	305	381	
10.6	100	200	185	231	
	120	250	252	315	
	150	300	305	381	
10.7	100	200	185	231	
	120	250	252	315	
	150	300	305	381	
10.8	100	200	185	231	
	120	250	252	315	
	150	300	305	381	
10.9	100	200	185	231	
	120	250	252	315	
	150	300	305	381	
11.0	100	200	185	231	
	120	250	252	315	
	150	300	305	381	
11.1	100	200	185	231	
	120	250	252	315	
	150	300	305	381	
11.2	100	200	185	231	
	120	250	252	315	
	150	300	305	381	
11.3	100	200	185	231	
	120	250	252	315	
	150	300	305	381	
11.4	100	200	185	231	
	120	250	252	315	
	150	300	305	381	
11.5	100	200	185	231	
	120	250	252	315	
	150	300	305	381	

	尺寸			单价(人民币)	
	刃径	刃长	全长	L6542	M35
11.6	120	250	315	394	
	150	300	371	464	
	120	250	315	394	
11.7	120	250	315	394	
	150	300	371	464	
	120	250	315	394	
11.8	120	250	315	394	
	150	300	371	464	
	120	250	315	394	
11.9	120	250	315	394	
	150	300	371	464	
	120	250	315	394	
12.0	120	250	315	394	
	150	300	371	464	
	200	400	550	688	
12.1	250	500	710	888	
	300	600	930	1163	
	120	250	330	413	
12.2	150	300	410	513	
	120	250	330	413	
	150	300	410	513	
12.3	120	250	330	413	
	150	300	410	513	
	120	250	330	413	
12.4	120	250	330	413	
	150	300	410	513	
	120	250	330	413	
12.5	120	250	330	413	
	150	300	410	513	
	120	400	570	713	
12.6	150	500	760	950	
	200	600	995	1244	
	120	250	350	438	
12.7	150	300	465	581	
	120	250	350	438	
	150	300	465	581	
12.8	120	250	350	438	
	150	300	465	581	
	120	250	350	438	
12.9	120	250	350	438	
	150	300	465	581	
	120	250	350	438	
13.0	120	250	350	438	
	150	300	465	581	
	200	400	635	794	
	250	500	830	1038	
	300	600	1050	1310	

快速
钻孔

镗孔
加工
系统

钻头

铰刀

快速
钻头

铲齿

定心
钻头

VMD
大钻头

钻尖

空心
钻头

油路
配件

LBK
BST
镗孔
刀柄

斜柄钻头 Oblique Shank Drill



材质 HSS DIN345 通用型 产品编码: 527...

尺寸				单价(人民币)		尺寸				单价(人民币)		尺寸				单价(人民币)							
刃径	刃长	全长	MT.NO	L6542	M35	刃径	刃长	全长	MT.NO	L6542	M35	刃径	刃长	全长	MT.NO	L6542	M35	刃径	刃长	全长	MT.NO	L6542	M35
7.0	75	155	1	120	170	14.3	122	222	2	151	230	21.6	160	260	2	315	640	28.9	180	300	3	644	1270
7.1	78	158	1	120	170	14.4	122	222	2	151	230	21.7	160	260	2	315	640	29.0	180	300	3	644	1270
7.2	78	158	1	120	170	14.5	122	222	2	151	230	21.8	160	260	2	315	640	29.1	185	305	3	644	1270
7.3	78	158	1	120	170	14.6	125	225	2	151	260	21.9	160	260	2	315	640	29.2	185	305	3	644	1270
7.4	78	158	1	120	170	14.7	125	225	2	151	260	22.0	160	260	2	315	640	29.3	185	305	3	644	1270
7.5	78	158	1	120	170	14.8	125	225	2	151	260	22.1	165	265	2	315	640	29.4	185	305	3	644	1270
7.6	82	162	1	120	170	14.9	125	225	2	151	260	22.2	165	265	2	315	640	29.5	185	305	3	644	1270
7.7	82	162	1	120	170	15.0	125	225	2	151	260	22.3	165	265	2	315	640	29.6	185	305	3	754	1430
7.8	82	162	1	120	170	15.1	128	228	2	151	260	22.4	165	265	2	315	640	29.7	185	305	3	754	1430
7.9	82	162	1	120	170	15.2	128	228	2	151	260	22.5	165	265	2	315	640	29.8	185	305	3	754	1430
8.0	82	162	1	120	170	15.3	128	228	2	151	260	22.6	165	265	2	356	730	29.9	185	305	3	754	1430
8.1	85	168	1	120	170	15.4	128	228	2	151	260	22.7	165	265	2	356	730	30.0	185	305	3	754	1430
8.2	85	168	1	120	170	15.5	128	228	2	151	260	22.8	165	265	2	356	730	30.1	190	310	3	754	1430
8.3	85	168	1	120	170	15.6	130	230	2	164	290	22.9	165	265	2	356	730	30.2	190	310	3	754	1430
8.4	85	168	1	120	170	15.7	130	230	2	164	290	23.0	165	265	2	356	730	30.3	190	310	3	754	1430
8.5	85	168	1	120	170	15.8	130	230	2	164	290	23.1	165	285	3	411	730	30.4	190	310	3	754	1430
8.6	88	172	1	120	170	15.9	130	230	2	164	290	23.2	165	285	3	411	730	30.5	190	310	3	754	1430
8.7	88	172	1	120	170	16.0	130	230	2	164	290	23.3	165	285	3	411	730	30.6	190	310	3	850	1560
8.8	88	172	1	120	170	16.1	132	232	2	178	290	23.4	165	285	3	411	730	30.7	190	310	3	850	1560
8.9	88	172	1	120	170	16.2	132	232	2	178	290	23.5	165	285	3	411	800	30.8	190	310	3	850	1560
9.0	88	172	1	120	170	16.3	132	232	2	178	290	23.6	165	285	3	411	800	30.9	190	310	3	850	1560
9.1	92	175	1	120	170	16.4	132	232	2	178	290	23.7	165	285	3	411	800	31.0	190	310	3	850	1560
9.2	92	175	1	120	170	16.5	132	232	2	178	290	23.8	165	285	3	411	800	31.1	195	315	3	850	1560
9.3	92	175	1	120	170	16.6	135	235	2	192	330	23.9	165	285	3	411	800	31.2	195	315	3	850	1560
9.4	92	175	1	120	170	16.7	135	235	2	192	330	24.0	165	285	3	411	800	31.3	195	315	3	850	1560
9.5	92	175	1	120	170	16.8	135	235	2	192	330	24.1	165	285	3	411	800	31.4	195	315	3	850	1560
9.6	95	178	1	120	170	16.9	135	235	2	192	330	24.2	165	285	3	411	800	31.5	195	315	3	850	1560
9.7	95	178	1	120	170	17.0	135	235	2	192	330	24.3	165	285	3	411	800	31.6	195	315	3	960	1810
9.8	95	178	1	120	170	17.1	140	240	2	192	330	24.4	165	285	3	411	800	31.7	195	315	3	960	1810
9.9	95	178	1	120	170	17.2	140	240	2	192	330	24.5	165	285	3	411	800	31.8	195	315	3	960	1810
10.0	95	178	1	120	170	17.3	140	240	2	192	330	24.6	165	285	3	425	880	31.9	195	315	3	960	1810
10.1	98	182	1	120	170	17.4	140	240	2	192	330	24.7	165	285	3	425	880	32.0	195	315	3	960	1810
10.2	98	182	1	120	170	17.5	140	240	2	192	330	24.8	165	285	3	425	880	32.5	200	345	4	1000	1930
10.3	98	182	1	120	170	17.6	140	240	2	206	370	24.9	165	285	3	425	880	33.0	200	345	4	1070	1930
10.4	98	182	1	120	170	17.7	140	240	2	206	370	25.0	165	285	3	425	880	33.5	205	350	4	1110	1980
10.5	98	182	1	120	170	17.8	140	240	2	206	370	25.1	165	285	3	425	880	34.0	205	350	4	1110	1980
10.6	102	185	1	120	170	17.9	140	240	2	206	370	25.2	165	285	3	425	880	34.5	205	350	4	1180	1980
10.7	102	185	1	120	170	18.0	140	240	2	206	370	25.3	165	285	3	425	880	35.0	205	350	4	1220	2140
10.8	102	185	1	120	170	18.1	145	245	2	206	370	25.4	165	285	3	425	880	35.5	210	355	4	1300	2140
10.9	102	185	1	120	170	18.2	145	245	2	206	370	25.5	165	285	3	425	880	36.0	210	355	4	1330	2310
11.0	102	185	1	120	170	18.3	145	245	2	206	370	25.6	165	285	3	521	950	36.5	210	355	4	1410	2310
11.1	105	188	1	120	170	18.4	145	245	2	206	370	25.7	165	285	3	521	950	37.0	210	355	4	1630	2500
11.2	105	188	1	120	170	18.5	145	245	2	206	370	25.8	165	285	3	521	950	37.5	215	360	4	1640	2500
11.3	105	188	1	120	170	18.6	145	245	2	219	420	25.9	165	285	3	521	950	38.0	215	360	4	1650	2760
11.4	105	188	1	120	170	18.7	145	245	2	219	420	26.0	165	285	3	521	950	38.5	215	360	4	1680	2760
11.5	105	188	1	120	170	18.8	145	245	2	219	420	26.1	170	290	3	521	950	39.0	215	360	4	1690	2940
11.6	108	192	1	120	170	18.9	145	245	2	219	420	26.2	170	290	3	521	950	39.5	220	365	4	1700	2940
11.7	108	192	1	120	170	19.0	145	245	2	219	420	26.3	170	290	3	521	950	40.0	220	365	4	1710	3050
11.8	108	192	1	120	170	19.1	150	250	2	219	420	26.4	170	290	3	521	950	40.5	220	365	4	1720	3050
11.9	108	192	1	120	170	19.2	150	250	2	219	420	26.5	170	290	3	521	950	41.0	220	365	4	1730	3160
12.0	108	192	1	121	190	19.3	150	250	2	219	420	26.6	170	290	3	534	1020	41.5	225	370	4	1750	3160
12.1	112	195	1	121	190	19.4	150	250	2	219	420	26.7	170	290	3	534	1020	42.0	225	370	4	1790	3230
12.2	112	195	1	121	190	19.5	150	250	2	219	420	26.8	170	290	3	534	1020	42.5	225	370	4	1790	3230
12.3	112	195	1	121	190	19.6	150	250	2	260	460	26.9	170	290	3	534	1020	43.0	225	370	4	1790	3400
12.4	112	195	1	121	190	19.7	150	250	2	260	460	27.0	170	290	3	534	1020	43.5	230	375	4	1790	3400
12.5	112	195	1	121	190	19.8	150	250	2	260	460	27.1	175	295	3	534	1020	44.0	230	375	4	2000	3560
12.6	115	198	1	135	210	19.9	150	250	2	260	460	27.2	175	295	3	534	1020	44.5	230	375	4	2000	3560
12.7	115	198	1	135	210	20.0	150	250	2	260	460	27.3	175	295	3	534	1020	45.0	230	375	4	2290	4040
12.8	115	198	1	135	210	20.1	155	255	2	260	460	27.4	175	295	3	534	1020	45.5	235	380	4	2290	4040
12.9	115	198	1	135	210	20.2	155	255	2	260	460	27.5	175	295	3	534	1020	46.0	235	380	4	2290	4240
13.0	115	198	1	135	210	20.3	155	255	2	260	460	27.6	175	295	3	562	1100	46.5	235	380	4	2580	4240
13.1	118																						

高速钢钻头

High-speed steel drill



斜柄钻头

Oblique Shank Drill

材质 HSS DIN345 通用型

尺寸					单价
刃径	刃长	全长	MT.NO	L6542	
56.0	260	440	5	3850	
57.0	260	440	5	3850	
58.0	265	445	5	4070	
59.0	265	445	5	4070	
60.0	270	450	5	4070	
61.0	270	450	5	5740	
62.0	275	455	5	5740	
63.0	275	455	5	5740	
64.0	280	460	5	6120	
65.0	280	460	5	6120	
66.0	285	465	5	6930	
67.0	285	465	5	6930	
68.0	290	470	5	7140	
69.0	290	470	5	7140	
70.0	295	475	5	7140	
71.0	295	475	5	7520	
72.0	300	480	5	7920	
73.0	300	480	5	7920	
74.0	305	485	5	7920	
75.0	305	485	5	7920	
76.0	310	490	5	11740	
77.0	315	560	6	13520	
78.0	315	560	6	13750	
79.0	315	560	6	14000	
80.0	315	560	6	14330	
81.0	325	570	6	15440	
82.0	325	570	6	15730	
83.0	325	570	6	15950	
84.0	325	570	6	16190	
85.0	325	570	6	16480	
86.0	335	580	6	17620	
87.0	335	580	6	17880	
88.0	335	580	6	18170	
89.0	335	580	6	18450	
90.0	335	580	6	18770	
91.0	345	590	6	19960	
92.0	345	590	6	20260	
93.0	345	590	6	20550	
94.0	345	590	6	20820	
95.0	345	590	6	21110	
96.0	355	600	6	22280	
97.0	355	600	6	22590	
98.0	355	600	6	22890	
99.0	355	600	6	23210	
100.0	355	600	6	23510	

斜柄加长钻头

Oblique shank extension drill

材质 HSS DIN345 通用型

产品编码: 528...

尺寸					单价
刃径	全长	刃长	MT.NO	L6542	
10.5	250	150	1	480	
	300	200	1	619	
	350	225	1	818	
11.0	250	150	1	480	
	300	200	1	619	
	350	225	1	818	
11.5	250	150	1	494	
	300	200	1	621	
	350	225	1	829	
12.0	250	150	1	498	
	300	200	1	635	
	350	225	1	834	
12.5	250	150	1	508	
	300	200	1	646	
	350	225	1	843	
13.0	250	150	1	516	
	300	200	1	531	
	350	225	1	855	
13.5	250	150	1	516	
	300	200	1	658	
	350	225	1	863	
14.0	250	150	1	470	
	300	200	1	580	
	350	225	1	660	
14.5	325	200	2	470	
	375	250	2	580	
	425	275	2	680	
	475	325	2	860	
15.0	325	200	2	470	
	375	250	2	580	
	425	275	2	680	
	475	325	2	860	
15.5	325	200	2	470	
	375	250	2	580	
	425	275	2	680	
	475	325	2	860	
16.0	325	200	2	470	
	375	250	2	580	
	425	275	2	680	
	475	325	2	860	
16.5	325	200	2	470	
	375	250	2	580	
	425	275	2	680	
	475	325	2	860	
17.0	325	200	2	580	
	375	250	2	610	
	425	275	2	710	
	475	325	2	820	
17.5	325	200	2	580	
	375	250	2	610	
	425	275	2	710	
	475	325	2	820	
18.0	325	200	2	610	
	375	250	2	660	
	425	275	2	740	
	475	325	2	860	
18.5	325	200	2	610	
	375	250	2	660	
	425	275	2	740	
	475	325	2	860	
19.0	325	200	2	660	
	375	250	2	710	
	425	275	2	820	
	475	325	2	890	
19.5	325	200	2	660	
	375	250	2	710	
	425	275	2	820	
	475	325	2	890	
20.0	325	200	2	660	
	375	250	2	710	
	425	275	2	870	
	475	325	2	920	

斜柄加长钻头

Oblique shank extension drill

材质 HSS DIN345 通用型

尺寸					单价
刃径	全长	刃长	MT.NO	L6542	
7.0	250	150	1	530	
	300	200	1	669	
	350	225	1	910	
7.5	250	150	1	519	
	300	200	1	665	
	350	225	1	899	
8.0	250	150	1	512	
	300	200	1	653	
	350	225	1	878	
8.5	250	150	1	508	
	300	200	1	639	
	350	225	1	857	
9.0	250	150	1	494	
	300	200	1	635	
	350	225	1	850	
9.5	250	150	1	494	
	300	200	1	635	
	350	225	1	843	
10.0	250	150	1	494	
	300	200	1	635	
	350	225	1	839	

刃径	全长	刃长	MT.NO	L6542
20.5	325	200	2	660
	375	250	2	710
	425	275	2	870
	475	325	2	920
21.0	325	200	2	660
	375	250	2	710
	425	275	2	870
	475	325	2	920
21.5	325	200	2	710
	375	250	2	770
	425	275	2	870
	475	325	2	1030
22.0	325	200	2	770
	375	250	2	820
	425	275	2	950
	475	325	2	1050
22.5	325	200	2	770
	375	250	2	820
	425	275	2	950
	475	325	2	1050
23.0	325	200	2	770
	375	250	2	820
	425	275	2	950
	475	325	2	1050
23.5	350	200	3	780
	400	250	3	1050
	450	300	3	1160
	500	350	3	1310
	600	400	3	1630
24.0	350	200	3	780
	400	250	3	1050
	450	300	3	1160
	500	350	3	1310
	600	400	3	1630
24.5	350	200	3	780
	400	250	3	1050
	450	300	3	1160
	500	350	3	1310
	600	400	3	1630
25.0	350	200	3	780
	400	250	3	1050
	450	300	3	1210
	500	350	3	1470
	600	400	3	1630
25.5	350	200	3	900
	400	250	3	1140
	450	300	3	1310
	500	350	3	1630
	600	400	3	1730
26.0	350	200	3	900
	400	250	3	1140
	450	300	3	1310
	500	350	3	1630
	600	400	3	1730
26.5	350	200	3	1020
	400	250	3	1210
	450	300	3	1310
	500	350	3	1630
	600	400	3	1790
27.0	350	200	3	1020
	400	250	3	1210
	450	300	3	1310
	500	350	3	1630
	600	400	3	1790
27.5	350	200	3	1160
	400	250	3	1310
	450	300	3	1470
	500	350	3	1730
	600	400	3	1840
28.0	350	200	3	1160
	400	250	3	1310
	450	300	3	1470
	500	350	3	1730
	600	400	3	1840

尺寸					单价
刃径	全长	刃长	MT.NO	L6542	
28.5	350	200	3	1290	
	400	250	3	1370	
	450	300	3	1630	
	500	350	3	1890	
	600	400	3	1940	
29.0	350	200	3	1290	
	400	250	3	1370	
	450	300	3	1630	
	500	350	3	1890	
	600	400	3	1940	
29.5	350	200	3	1420	
	400	250	3	1730	
	450	300	3	1890	
	500	350	3	2050	
	600	400	3	2310	
30.0	350	200	3	1420	
	400	250	3	1730	
	450	300	3	1890	
	500	350	3	2050	
	600	400	3	2310	
30.5	350	200	3	1580	
	400	250	3	1790	
	450	300	3	2000	
	500	350	3	2310	
	600	400	3	2520	
31.0	350	200	3	1580	
	400	250	3	1790	
	450	300	3	2000	
	500	350	3	2310	
	600	400	3	2520	
31.5	350	200	3	1630	
	400	250	3	1890	
	450	300	3	2150	
	500	350	3	2360	
	600	400	3	2730	
32.0	350	200	3	1630	
	400	250	3	1890	
	450	300	3	2150	
	500	350	3	2360	
	600	400	3	2730	
33.0	425	25			

WGDDZ. . 钨钢定点钻

Tungsten steel fixed-point drill

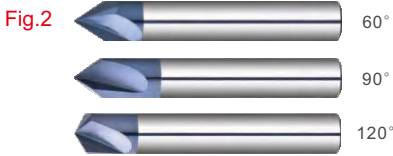


Fig.1 刀具涂层: 无
Tool coating: Without
适用: 铝、铝合金、压铸铝
Use: Aluminum, aluminum alloy, die-cast aluminum

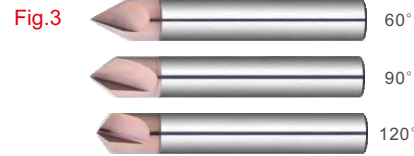


Fig.2 刀具涂层: 纳米涂层
Tool coating: Nano coating

Fig.3 适用: 模具预硬钢、淬火钢、合金钢、工具钢、有色金属、灰口铸铁、普通模具钢

Use: Die prehardened steel, Quenched steel, Alloy steel, Tool steel, Nonferrous metal, Gray cast iron, Common die steel

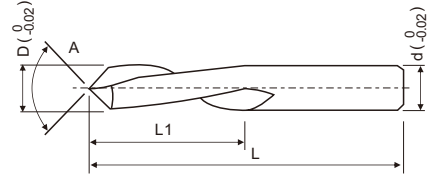


Fig.1	铝用不涂层 AL Uncoated	Fig.2	黑色涂层 Black Coating	Fig.3	古铜色涂层 Bronze Colored Coating	钻尖角度 A Drill point angle	刃径 D Outside Diameter	柄径 d Shank Diameter	刃长 L1 Flute Length	总长 L Total Length	Order Number
WGDDZ1.0D4L50A60	WGDDZ1.0D4L50A60B	WGDDZ1.0D4L50A60T	60°	1	4	2	50				
WGDDZ2.0D4L50A60	WGDDZ2.0D4L50A60B	WGDDZ2.0D4L50A60T	60°	2	4	4	50				
WGDDZ3.0D4L50A60	WGDDZ3.0D4L50A60B	WGDDZ3.0D4L50A60T	60°	3	4	6	50				
WGDDZ4.0D4L50A60	WGDDZ4.0D4L50A60B	WGDDZ4.0D4L50A60T	60°	4	4	8	50				
WGDDZ5.0D5L50A60	WGDDZ5.0D5L50A60B	WGDDZ5.0D5L50A60T	60°	5	5	10	50				
WGDDZ6.0D6L50A60	WGDDZ6.0D6L50A60B	WGDDZ6.0D6L50A60T	60°	6	6	12	50				
WGDDZ8.0D8L60A60	WGDDZ8.0D8L60A60B	WGDDZ8.0D8L60A60T	60°	8	8	16	60				
WGDDZ10D10L75A60	WGDDZ10D10L75A60B	WGDDZ10D10L75A60T	60°	10	10	20	75				
WGDDZ12D12L75A60	WGDDZ12D12L75A60B	WGDDZ12D12L75A60T	60°	12	12	24	75				

Fig.1	铝用不涂层 AL Uncoated	Fig.2	黑色涂层 Black Coating	Fig.3	古铜色涂层 Bronze Colored Coating	钻尖角度 A Drill point angle	刃径 D Outside Diameter	柄径 d Shank Diameter	刃长 L1 Flute Length	总长 L Total Length	Order Number
WGDDZ1.0D4L50A90	WGDDZ1.0D4L50A90B	WGDDZ1.0D4L50A90T	90°	1	4	2	50				
WGDDZ1.5D4L50A90	WGDDZ1.5D4L50A90B	WGDDZ1.5D4L50A90T	90°	1.5	4	3	50				
WGDDZ2.0D4L50A90	WGDDZ2.0D4L50A90B	WGDDZ2.0D4L50A90T	90°	2	4	4	50				
WGDDZ2.5D4L50A90	WGDDZ2.5D4L50A90B	WGDDZ2.5D4L50A90T	90°	2.5	4	5	50				
WGDDZ3.0D3L50A90	WGDDZ3.0D3L50A90B	WGDDZ3.0D3L50A90T	90°	3	3	6	50				
WGDDZ3.0D3L100A90	WGDDZ3.0D3L100A90B	WGDDZ3.0D3L100A90T	90°	3	3	6	100				
WGDDZ3.0D4L50A90	WGDDZ3.0D4L50A90B	WGDDZ3.0D4L50A90T	90°	3	4	6	50				
WGDDZ4.0D4L50A90	WGDDZ4.0D4L50A90B	WGDDZ4.0D4L50A90T	90°	4	4	8	50				
WGDDZ4.0D4L100A90	WGDDZ4.0D4L100A90B	WGDDZ4.0D4L100A90T	90°	4	4	8	100				
WGDDZ5.0D5L50A90	WGDDZ5.0D5L50A90B	WGDDZ5.0D5L50A90T	90°	5	5	10	50				
WGDDZ5.0D5L100A90	WGDDZ5.0D5L100A90B	WGDDZ5.0D5L100A90T	90°	5	5	10	100				
WGDDZ6.0D6L50A90	WGDDZ6.0D6L50A90B	WGDDZ6.0D6L50A90T	90°	6	6	12	50				
WGDDZ6.0D6L100A90	WGDDZ6.0D6L100A90B	WGDDZ6.0D6L100A90T	90°	6	6	12	100				
WGDDZ8.0D8L60A90	WGDDZ8.0D8L60A90B	WGDDZ8.0D8L60A90T	90°	8	8	16	60				
WGDDZ8.0D8L100A90	WGDDZ8.0D8L100A90B	WGDDZ8.0D8L100A90T	90°	8	8	16	100				
WGDDZ10D10L75A90	WGDDZ10D10L75A90B	WGDDZ10D10L75A90T	90°	10	10	20	75				
WGDDZ10D10L100A90	WGDDZ10D10L100A90B	WGDDZ10D10L100A90T	90°	10	10	20	100				
WGDDZ12D12L75A90	WGDDZ12D12L75A90B	WGDDZ12D12L75A90T	90°	12	12	24	75				
WGDDZ12D12L100A90	WGDDZ12D12L100A90B	WGDDZ12D12L100A90T	90°	12	12	24	100				
WGDDZ14D14L100A90	WGDDZ14D14L100A90B	WGDDZ14D14L100A90T	90°	14	14	28	100				
WGDDZ16D16L100A90	WGDDZ16D16L100A90B	WGDDZ16D16L100A90T	90°	16	16	32	100				
WGDDZ18D18L100A90	WGDDZ18D18L100A90B	WGDDZ18D18L100A90T	90°	18	18	36	100				
WGDDZ20D20L100A90	WGDDZ20D20L100A90B	WGDDZ20D20L100A90T	90°	20	20	40	100				

Fig.1	铝用不涂层 AL Uncoated	Fig.2	黑色涂层 Black Coating	Fig.3	古铜色涂层 Bronze Colored Coating	钻尖角度 A Drill point angle	刃径 D Outside Diameter	柄径 d Shank Diameter	刃长 L1 Flute Length	总长 L Total Length	Order Number
WGDDZ1.0D4L50A120	WGDDZ1.0D4L50A120B	WGDDZ1.0D4L50A120T	120°	1	4	2	50				
WGDDZ2.0D4L50A120	WGDDZ2.0D4L50A120B	WGDDZ2.0D4L50A120T	120°	2	4	4	50				
WGDDZ3.0D4L50A120	WGDDZ3.0D4L50A120B	WGDDZ3.0D4L50A120T	120°	3	4	6	50				
WGDDZ4.0D4L50A120	WGDDZ4.0D4L50A120B	WGDDZ4.0D4L50A120T	120°	4	4	8	50				
WGDDZ5.0D5L50A120	WGDDZ5.0D5L50A120B	WGDDZ5.0D5L50A120T	120°	5	5	10	50				
WGDDZ6.0D6L50A120	WGDDZ6.0D6L50A120B	WGDDZ6.0D6L50A120T	120°	6	6	12	50				
WGDDZ8.0D8L60A120	WGDDZ8.0D8L60A120B	WGDDZ8.0D8L60A120T	120°	8	8	16	60				
WGDDZ10D10L75A120	WGDDZ10D10L75A120B	WGDDZ10D10L75A120T	120°	10	10	20	75				
WGDDZ12D12L75A120	WGDDZ12D12L75A120B	WGDDZ12D12L75A120T	120°	12	12	24	75				

快速
钻孔

镗孔
加工
系统

钻头

铰刀

快速
钻头

铲钻

定心
钻头

VMD
大钻头

钻尖

空心
钻头

油路
配件

LBK
BST
镗孔
刀柄

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CBI
CBH
精镗
系统

NBJ
NBH
镗孔
套装

TWE
RBH
粗镗
系统

钻头

铰刀

高速钢钻头

High-speed steel drill

钨钢中心钻 产品编码: 532...
Tungsten steel fixed point drill, center drill



尺寸 size				单价 Order Number
刃径 Blade diameter	刃长 blade length	柄径 Stem diameter	全长 entire length	
Ø1.0	2.4	4	38	64
Ø1.5	2.4	4	38	64
Ø2.0	2.9	4	50	64
Ø2.0	2.9	6	50	110
Ø2.5	3.1	6	50	110
Ø3.0	3.9	6	50	110
Ø3.0	3.9	8	50	160
Ø4.0	5.0	10	65	250
Ø5.0	6.3	12	60	310

高速钢中心钻 产品编码: 529...
High speed steel center drill 通用型

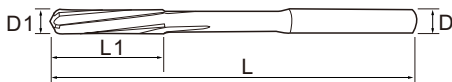


规格尺寸 size	单价 Order Number
0.4×3.0×31	110
0.5×3.0×31	86
0.6×3.5×36	77
0.8×4.0×36	59
1.0×4.0×36	49
1.2×5.0×42	45
1.5×5.0×42	37
2.0×5.0×42	37
2.5×6.0×47	43
3.0×7.7×57	52
3.2×7.7×57	52
4.0×10×69	103
5.0×11×69	111
6.0×16×90	271
8.0×18×100	425
10×18×100	425

钨钢机械绞刀 H7

Tungsten steel mechanical reamer

涂层: WGZCJD...
铝用: AL-WGZCJD...



适用于HRC55 以内的合金钢、不锈钢、钛合金、
铸铁等难切削材料绞孔。
For less than HRC55 steel, stainless steel, titanium, cast
iron and other hard Twisted hole cut materials.

直径D1 Diameter	刃长 L1 Flute Length	全长 L Overall Length	柄径D Shank Diameter	刃数 Flute Number	单价 Price
2.0	25	50	2.0	4	40
2.5	25	50	2.5	4	40
3.0	25	50	3.0	4	40
3.5	25	50	3.5	4	56
4.0	25	50	4.0	4	56
4.5	25	50	4.5	4	76
5.0	25	50	5.0	4	76
5.5	25	50	5.5	4	104
6.0	30	60	6.0	6	104
6.5	30	60	6.5	6	152
7.0	35	70	7.0	6	152
8.0	40	70	8.0	6	184
9.0	40	75	9.0	6	236
10.0	40	75	10.0	6	280
11.0	40	75	11.0	6	380
12.0	40	80	12.0	6	396
13.0	50	100	13.0	6	544
14.0	50	100	14.0	6	632
15.0	50	100	15.0	6	740
16.0	50	100	16.0	6	800
17.0	50	100	17.0	6	900
18.0	50	100	18.0	6	996
19.0	50	100	19.0	6	1152
20.0	50	100	20.0	6	1276

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钻尖

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系统

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绞刀

FMZT..

粉末高速钢钻头 3D

Powder high speed steel drill bit

刀具涂层: 纳米涂层

Tool coating: Nano coating

材质: 高级粉末高速钢

Material: high grade powder high speed steel

特性: 适用于一般构造压延钢、碳素钢、合金钢、调质钢、模具钢、不锈钢、钛合金、耐热合金铸铁、铝合金、铜合金等材料之高精度、高效率之钻孔。

Features: Applicable to thousands of general structure rolled steel, carbon steel, alloy steel, tempered steel, die steel, stainless steel, chin alloy, heat-resistant alloy cast iron, aluminum alloy, copper alloy High precision and high efficiency drilling of other materials.



刃径 Outside Diameter	总长 Total Length	刃长 Flute Length	柄径 Shank Diameter	刃径 Outside Diameter	总长 Total Length	刃长 Flute Length	柄径 Shank Diameter	刃径 Outside Diameter	总长 Total Length	刃长 Flute Length	柄径 Shank Diameter
1	38	6	3	3.2	50	18	4	5.4	72	28	6
1.05	38	6	3	3.25	50	18	4	5.45	72	28	6
1.1	39	7	3	3.3	50	18	4	5.5	72	28	6
1.15	39	7	3	3.35	50	18	4	5.55	72	28	6
1.2	40	8	3	3.4	52	20	4	5.6	72	28	6
1.25	40	8	3	3.45	52	20	4	5.65	72	28	6
1.3	40	8	3	3.5	52	20	4	5.7	72	28	6
1.35	41	9	3	3.55	52	20	4	5.75	72	28	6
1.4	41	9	3	3.6	52	20	4	5.8	72	28	6
1.45	41	9	3	3.65	52	20	4	5.85	72	28	6
1.5	41	9	3	3.7	52	20	4	5.9	72	28	6
1.55	42	10	3	3.75	52	20	4	5.95	72	28	6
1.6	42	10	3	3.8	54	22	4	6.0	72	28	6
1.65	42	10	3	3.85	54	22	4	6.1-6.5	75	31	8
1.7	42	10	3	3.9	54	22	4	6.6-6.7	75	31	8
1.75	43	11	3	3.95	54	22	4	6.8-7.0	78	34	8
1.8	43	11	3	4.0	54	22	4	7.1-7.5	78	34	8
1.85	43	11	3	4.05	66	22	6	7.6-8.0	81	37	8
1.9	43	11	3	4.1	66	22	6	8.1-8.5	87	37	10
1.95	44	12	3	4.15	66	22	6	8.6-9.0	90	40	10
2.0	44	12	3	4.2	66	22	6	9.1-9.5	90	40	10
2.05	44	12	3	4.25	66	22	6	9.6-10	93	43	10
2.1	44	12	3	4.3	68	24	6	10.1-10.5	100	43	12
2.15	45	13	3	4.35	68	24	6	10.6	100	43	12
2.2	45	13	3	4.4	68	24	6	10.7-11.0	104	47	12
2.25	45	13	3	4.45	68	24	6	11.1-11.5	104	47	12
2.3	45	13	3	4.5	68	24	6	11.6-11.8	104	47	12
2.35	45	13	3	4.55	68	24	6	11.9-12.0	108	51	12
2.4	46	14	3	4.6	68	24	6	12.1-12.5	108	51	14
2.45	46	14	3	4.65	68	24	6	12.6-13.0	108	51	14
2.5	46	14	3	4.7	68	24	6	13.5	132	72	14
2.55	46	14	3	4.75	68	24	6	14	132	72	14
2.6	46	14	3	4.8	70	26	6	14.5	136	76	16
2.65	46	14	3	4.85	70	26	6	15	142	76	16
2.7	48	16	3	4.9	70	26	6	15.5	146	80	16
2.75	48	16	3	4.95	70	26	6	16	146	80	16
2.8	48	16	3	5.0	70	26	6	16.5	150	84	18
2.85	48	16	3	5.05	70	26	6	17	150	84	18
2.9	48	16	3	5.1	70	26	6	17.5	153	87	18
2.95	48	16	3	5.15	70	26	6	18	153	87	18
3	48	16	3	5.2	70	26	6	18.5	156	90	20
3.05	50	18	4	5.25	70	26	6	19	164	90	20
3.1	50	18	4	5.3	70	26	6	19.5	168	94	20
3.15	50	18	4	5.35	72	28	6	20	168	94	20

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FMZT. .

粉末高速钢钻头 5D

Powder high speed steel drill bit

 刀具涂层: 纳米涂层
Tool coating: Nano coating

 材质: 高级粉末高速钢
Material: high grade powder high speed steel

 特性: 适用于一般构造压延钢、碳素钢、合金钢、调质钢、模具钢、不锈钢、钛合金、耐热合金铸铁、铝合金、铜合金等材料之高精度、高效率之钻孔。
Features: Applicable to thousands of general structure rolled steel, carbon steel, alloy steel, tempered steel, die steel, stainless steel, chin alloy, heat-resistant alloy cast iron, aluminum alloy, copper alloy High precision and high efficiency drilling of other materials.



刃径 Outside Diameter	总长 Total Length	刃长 Flute Length	柄径 Shank Diameter	刃径 Outside Diameter	总长 Total Length	刃长 Flute Length	柄径 Shank Diameter	刃径 Outside Diameter	总长 Total Length	刃长 Flute Length	柄径 Shank Diameter
2.0	56	24	3	5.6-5.9	99	57	6	15.0	180	114	16
2.1	56	24	3	6.0	99	57	6	15.5	185	120	16
2.2	56	25	3	6.1-6.4	107	63	8	16.0	185	120	16
2.3	56	25	3	6.5	107	63	8	16.5	189	125	18
2.4	61	30	3	6.6-6.7	107	63	8	17.0	189	125	18
2.5	61	30	3	6.8-6.9	113	69	8	17.5	194	130	18
2.6	61	30	3	7.0	113	69	8	18.0	194	130	18
2.7	64	33	3	7.1-7.4	113	69	8	18.5	198	135	20
2.8	64	33	3	7.5	113	69	8	19.0	206	135	20
2.9	64	33	3	7.6-7.9	119	75	8	19.5	210	140	20
3.0	64	33	3	8.0	119	75	8	20.0	210	140	20
3.1	68	36	4	8.1-8.4	125	75	10				
3.2	68	36	4	8.5	125	75	10				
3.3	68	36	4	8.6-8.9	131	81	10				
3.4	71	39	4	9.0	131	81	10				
3.5	71	39	4	9.1-9.4	131	81	10				
3.6	71	39	4	9.5	131	81	10				
3.7	71	39	4	9.6-9.9	137	87	10				
3.8	75	43	4	10.0	137	87	10				
3.9	75	43	4	10.1-10.4	144	87	12				
4.0	75	43	4	10.5	144	87	12				
4.1	85	43	6	10.6	144	87	12				
4.2	85	43	6	10.7-10	151	94	12				
4.3	89	47	6	11.0	151	94	12				
4.4	89	47	6	11.1-11.4	151	94	12				
4.5	89	47	6	11.5	151	94	12				
4.6	89	47	6	11.6-11.8	151	94	12				
4.7	89	47	6	11.9	158	101	12				
4.8	94	52	6	12.0	158	101	12				
4.9	94	52	6	12.1-12.4	158	101	14				
5.0	94	52	6	12.5	158	101	14				
5.1	94	52	6	12.6-12	158	101	14				
5.2	94	52	6	13.0	158	101	14				
5.3	94	52	6	13.5	168	108	14				
5.4	99	57	6	14.0	168	108	14				
5.5	99	57	6	14.5	173	114	16				

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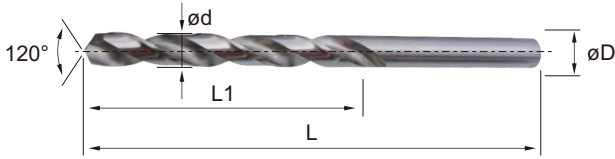
高速钢直柄钻头

HSS Straight Shank Drill

适合铜, 铝, 钢材, 铸铁加工

Suitable for copper, aluminum, steel, cast iron processing

L6542..



单位 (Unit): mm

型号 Type $\phi d = \phi D$	尺寸 Dimensions		型号 Type $\phi d = \phi D$	尺寸 Dimensions	
	L1	L		L1	L
0.50	6	22	4.3-4.7	47	80
0.60	7	23	4.8-5.3	52	86
0.70	9	27	5.4-6.0	57	93
0.80	10	29	6.1-6.7	63	101
0.90	11	32	6.8-7.5	69	109
0.5-1.0	12	34	7.6-8.5	75	117
1.10	14	36	8.6-9.5	81	125
1.2-1.3	16	38	9.6-10.6	87	133
1.4-1.5	18	40	10.7-11.8	94	142
1.6-1.7	20	43	11.9-13.0	101	151
1.8-1.9	22	46	13.5-14.0	108	160
2.0-2.1	24	49	14.5-15.0	114	169
2.1-2.3	27	53	15.5-16.0	120	178
2.4-2.6	30	57	16.5-17.0	125	184
2.7-3.0	33	61	17.5-18.0	130	191
3.1-3.3	36	65	18.5-19.0	135	198
3.4-3.7	39	70	19.5-20.0	140	205
3.8-4.2	43	75			

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高速钢钻头(切削参数)

HSS Drill (Cutting parameters)

被削材 Work Material	结构用钢/铜/灰口铸铁 Structural Steel SS,SUM,FC250		合金钢/球墨铸铁 Alloy Steel/Cast Iron SCM,FCD		工具钢/不锈钢 Tool / Stainless Steel SKD,SKH,SUS		钛及钛合金 Titanium Alloy Ti,TiA,TiCu		铝合金 Aluminum Alloy ADC	
切削速度 Cutting Speed Vc m/min	32		16		10		5		60	
钻头外径 Dia of Drill mm	回转速 R.P.M min ⁻¹	进给速度 Feed mm/min	回转速 R.P.M min ⁻¹	进给速度 Feed mm/min	回转速 R.P.M min ⁻¹	进给速度 Feed mm/min	回转速 R.P.M min ⁻¹	进给速度 Feed mm/min	回转速 R.P.M min ⁻¹	进给速度 Feed mm/min
0.5~1.0	13000	0.01	7000	0.01	5000	0.01	3000	0.005	25000	0.01
1.1~1.5	10200	0.015	6000	0.015	3900	0.015	2500	0.007	21000	0.02
1.5~2.0	7000	0.02	5000	0.016	3200	0.016	1600	0.01	20000	0.03
2.1~3.0	5100	0.04	2500	0.03	1600	0.03	800	0.02	10000	0.04
3.1~4.0	3400	0.06	1700	0.04	1070	0.04	540	0.03	6700	0.06
4.1~5.0	2550	0.08	1250	0.06	800	0.05	400	0.04	5000	0.12
5.1~6.0	2050	0.08	1020	0.06	640	0.05	320	0.05	4000	0.13
6.1~7.0	1700	0.09	850	0.07	500	0.06	270	0.06	3300	0.16
7.1~8.0	1450	0.11	730	0.08	460	0.07	230	0.07	2860	0.17
8.1~9.0	1280	0.12	630	0.10	400	0.08	200	0.08	2500	0.20
9.1~10.0	1130	0.14	570	0.11	360	0.09	180	0.09	2200	0.22
10.1~11.0	1020	0.16	510	0.12	320	0.10	160	0.10	2000	0.25
11.1~12.0	850	0.16	430	0.12	270	0.10	130	0.10	1670	0.25
12.1~13.0	640	0.20	320	0.16	200	0.12	100	0.12	1250	0.35
13.1~16.0	510	0.25	260	0.20	160	0.16	80	0.16	1000	0.40
16.5~20.0	500	0.30	230	0.25	150	0.18	70	0.18	900	0.50

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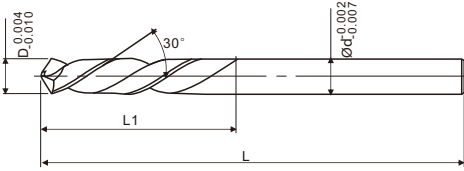
钻头

铰刀

DBWGZT45C-3D.. 45度黑色涂层钨钢钻头-3D
DBWGZT45C-5D.. 45度黑色涂层钨钢钻头-5D

HRC45° 钨钢定柄钻头

HRC45° tungsten steel fixed shank drill bit



刀具涂层：纳米涂层
Tool coating: Nano coating

适用· 有色金属、灰口铸铁、普通模具钢、不锈钢、耐热合金钢
Use: Nonferrous metal, Gray cast iron, Common die steel, Stainless steel, Heat resistant alloy steel

备注 规格：直径D 0.5-4mm(间隔0.05)
Specification: Diameter D 0.5-4mm(interval 0.05)

直径D 4-12mm(间隔0.1)
Diameter D 4-12mm(interval 0.1)

直径D 12-16mm(间隔0.5)
Diameter D 12-16mm(interval 0.5)

规格(刃径) D Outside Diameter	柄径d Shank Diameter		总长开槽L Total length slotted L		Order Number
	3倍径	5倍径	3倍径	5倍径	
0.5-0.6	3		50-5		
0.7-0.9	3		50-6		
1-1.5	3	4	50-8	50-13	
1.6-2	3	4	50-11	50-20	
2.1-2.5	3	4	50-13	75-22	
2.6-3	3	4	50-16	75-26	
3.1-3.5	4	4	50-18	75-28	
3.6-4	4	4	50-20	75-32	
4.1-4.5		6	50-20	75-36	
4.6-5		6	60-24	75-36	
5.1-5.5		6	60-26	75-40	
5.6-6		6	60-26	75-40	
6.1-6.5		8	60-28	100-48	
6.6-7		8	60-28	100-48	
7.1-7.5		8	60-30	100-50	
7.6-8		8	60-30	100-50	
8.1-8.5		10	75-34	100-56	
8.6-9		10	75-36	100-56	
9.1-9.5		10	75-38	100-58	
9.6-10		10	75-40	100-58	
10.1-10.5		12	75-42	100-60	
10.6-11		12	75-42	100-60	
11.1-11.5		12	75-45	100-65	
11.6-12		12	75-45	100-65	
12.5		14	100-52	120-70	
13		14	100-52	120-70	
13.5		14	100-52	120-70	
14		14	100-52	120-70	
14.5		16	100-60	135-83	
15		16	100-60	135-83	
15.5		16	100-60	135-83	
16		16	100-60	135-83	

DBWGZT-AL-3D.. 铝用定柄钨钢钻头-3D
DBWGZT-AL-5D.. 铝用定柄钨钢钻头-5D
DBWGZT45C-3D.. 45度黑色涂层钨钢钻头-3D
DBWGZT45C-5D.. 45度黑色涂层钨钢钻头-5D
DBWGZT55C-3D.. 55度古铜色涂层钨钢钻头-3D
DBWGZT55C-5D.. 55度古铜色涂层钨钢钻头-5D

- 快速钻孔
- 镗孔加工系统
- 钻头
- 铰刀
- 快速钻头
- 铲钻
- 定心钻头
- VMD大钻头
- 钻尖
- 空心钻头
- 油路配件
- LBK BST 镗孔刀柄
- HBOR CBI CBH 精镗系统
- NBJ NBH 镗孔套装
- TWE RBH 粗镗系统
- 钻头
- 铰刀

钨钢定柄钻头

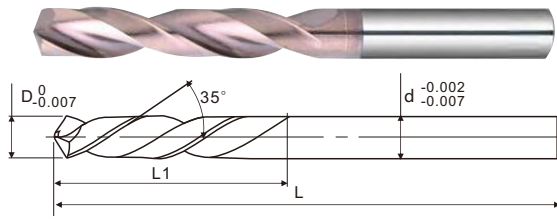
Tungsten Steel Fixed Shank Drill Bit

DBWGZT55C-3D.. 55度古铜色涂层钨钢钻头-3D

DBWGZT55C-5D.. 55度古铜色涂层钨钢钻头-5D

HRC55° 钨钢定柄钻头

HRC55° tungsten steel fixed shank drill bit



刀具涂层: 纳米涂层
Tool coating: Nano coating

适用: 淬火钢、高温合金等难加工材料
Use: Hardened steel, high temperature alloy and other difficult processing material

备注 规格: 直径D 0.5-4mm(间隔0.05)
Specification: Diameter D 0.5-4mm(interval 0.05)

直径D 4-12mm(间隔0.1)
Diameter D 4-12mm(interval 0.1)

直径D 12-16mm(间隔0.5)
Diameter D 12-16mm(interval 0.5)

规格(刃径) D Outside Diameter	柄径d Shank Diameter		总长开槽L Total length slotted L		Order Number
	3倍径	5倍径	3倍径	5倍径	
0.5-0.6	3		50-5		
0.7-0.9	3		50-6		
1-1.5	3	4	50-8	50-13	
1.6-2	3	4	50-11	50-20	
2.1-2.5	3	4	50-13	75-22	
2.6-3	3	4	50-16	75-26	
3.1-3.5	4	4	50-18	75-28	
3.6-4	4	4	50-20	75-32	
4.1-4.5		6	50-20	75-36	
4.6-5		6	60-24	75-36	
5.1-5.5		6	60-26	75-40	
5.6-6		6	60-26	75-40	
6.1-6.5		8	60-28	100-48	
6.6-7		8	60-28	100-48	
7.1-7.5		8	60-30	100-50	
7.6-8		8	60-30	100-50	
8.1-8.5		10	75-34	100-56	
8.6-9		10	75-36	100-56	
9.1-9.5		10	75-38	100-58	
9.6-10		10	75-40	100-58	
10.1-10.5		12	75-42	100-60	
10.6-11		12	75-42	100-60	
11.1-11.5		12	75-45	100-65	
11.6-12		12	75-45	100-65	
12.5		14	100-52	120-70	
13		14	100-52	120-70	
13.5		14	100-52	120-70	
14		14	100-52	120-70	
14.5		16	100-60	135-83	
15		16	100-60	135-83	
15.5		16	100-60	135-83	
16		16	100-60	135-83	

快速
钻孔

镗孔
加工
系统

钻头

铰刀

快速
钻头

铲钻

定心
钻头

VMD
大钻头

钻尖

空心
钻头

油路
配件

LBK
BST
镗孔
刀柄

HBOR
CBI
CBH
精镗
系统

NBJ
NBH
镗孔
套装

TWE
RBH
粗镗
系统

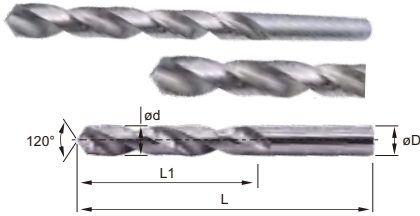
钻头

铰刀

钨钢钻头(无涂层)

Carbide Drill (Uncoated)

适合铜, 铝, 钢材, 铸铁加工
Suitable for copper, aluminum, steel, cast iron processing



加长 Lengthening 单位(Unit):mm

型号 Type ød = øD	尺寸Dimensions	
	L1	L
1.0~5.0	35	60
2.0~9.0	45	80
2.0~20	60	100
3.0~20	80	120
3.0~20	105	150
4.0~20	150	200

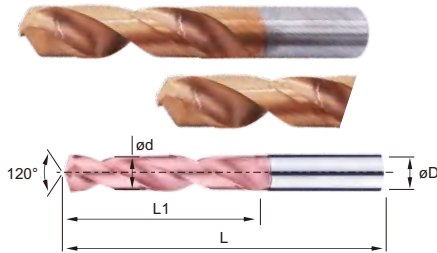
标准长 Standard Length

型号 Type ød = øD	尺寸Dimensions	
	L1	L
0.5~1.5	10	33
1.6~3.5	19	38
3.6~4.5	23	45
4.6~6.0	25	50
6.1~7.0	28	55
7.1~8.5	30	60
8.6~9.5	33	65
9.6~10.5	35	70
10.6~13.0	38	75
13.1~15.0	40	80
15.1~20.0	40	80
20.5~22.0	60	100
22.5~25.0	80	120

钨钢钻头(涂层)

Carbide Drill (Coated) HRC≤50°

适合钢材, 不锈钢, 铸铁等材料加工
Suitable for steel, stainless steel, cast iron and other materials processing



加长 Lengthening 单位(Unit):mm

型号 Type ød = øD	尺寸Dimensions	
	L1	L
1.0~5.0	35	60
2.0~9.0	45	80
2.0~20	60	100
3.0~20	80	120
3.0~20	105	150
4.0~20	150	200

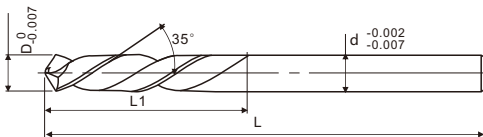
标准长 Standard Length

型号 Type ød = øD	尺寸Dimensions	
	L1	L
0.5~1.5	10	33
1.6~3.5	19	38
3.6~4.5	23	45
4.6~6.0	25	50
6.1~7.0	28	55
7.1~8.5	30	60
8.6~9.5	33	65
9.6~10.5	35	70
10.6~13.0	38	75
13.1~15.0	40	80
15.1~20.0	40	80
20.5~22.0	60	100
22.5~25.0	80	120

50° 2F 铝用钨钢钻头

50° 2F Aluminum Carbide Drill

涂层: **WGZT..**
铝用: **AL-WGZT..**



刀具涂层: 无
Tool coating: Without

适用: 铝、铝合金、压铸铝
Use: Aluminum, aluminum alloy, die-cast aluminum

备注 规格: 直径D 0.5-4mm(间隔0.05)
Specification: Diameter D 0.5-4mm(interval 0.05)

直径D4-12mm(间隔0.1)
Diameter D 4-12mm(interval 0.1)
直径D12-16mm(间隔0.5)
Diameter D 12-16mm(interval 0.5)

规格(刃径) D Outside Diameter	柄径d Shank Diameter		总长开槽L Total length slotted L		Order Number
			3倍径	5倍径	
0.5-0.6	3		50-5		
0.7-0.9	3		50-6		
1-1.5	3	4	50-8	50-13	
1.6-2	3	4	50-11	50-20	
2.1-2.5	3	4	50-13	75-22	
2.6-3	3	4	50-16	75-26	
3.1-3.5	4	4	50-18	75-28	
3.6-4	4	4	50-20	75-32	
4.1-4.5		6	50-20	75-36	
4.6-5		6	60-24	75-36	
5.1-5.5		6	60-26	75-40	
5.6-6		6	60-26	75-40	
6.1-6.5		8	60-28	100-48	
6.6-7		8	60-28	100-48	
7.1-7.5		8	60-30	100-50	
7.6-8		8	60-30	100-50	
8.1-8.5		10	75-34	100-56	
8.6-9		10	75-36	100-56	
9.1-9.5		10	75-38	100-58	
9.6-10		10	75-40	100-58	
10.1-10.5		12	75-42	100-60	
10.6-11		12	75-42	100-60	
11.1-11.5		12	75-45	100-65	
11.6-12		12	75-45	100-65	
12.5		14	100-52	120-70	
13		14	100-52	120-70	
13.5		14	100-52	120-70	
14		14	100-52	120-70	
14.5		16	100-60	135-83	
15		16	100-60	135-83	
15.5		16	100-60	135-83	
16		16	100-60	135-83	

快速
钻孔

镗孔
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套装

TWE
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粗镗
系统

钻头

铰刀

钨钢钻头(切削参数) Carbide Drill (Cutting parameters)

被削材 Work Material	一般结构用钢 Structural Steel SS400,S50C,FC250		合金钢/球墨铸铁 Alloy Steel/Cast Iron SCM,FCD,20~30HRC		模具钢/调质钢 Mold/Hardened Steel SKD,NAK,30~40HRC		高硬度钢 High Hardened Steel 40~50HRC		铝合金 Aluminum Alloy ADC	
切削速度 Cutting Speed Vc m/min	90 65		80 55		55 28		40 18		90 -	
钻头外径 Dia of Drill mm	回转速 R.P.M min ⁻¹	进给速度 Feed mm/min	回转速 R.P.M min ⁻¹	进给速度 Feed mm/min	回转速 R.P.M min ⁻¹	进给速度 Feed mm/min	回转速 R.P.M min ⁻¹	进给速度 Feed mm/min	回转速 R.P.M min ⁻¹	进给速度 Feed mm/min
0.5~1.0	25500 19000	500 400	21000 15000	350 500	15000 9000	500 300	8000 3000	350 130	25500 -	1000 -
1.1~1.5	17000 12000	600 380	15000 13000	900 500	13500 7500	600 300	7000 3000	400 130	17000 -	950 -
1.5~2.0	14000 10000	560 340	14000 9600	880 450	12800 4400	590 220	6400 2800	340 110	14000 -	900 -
2.1~3.0	9500 6900	510 310	9500 6400	830 420	8500 3000	530 210	4200 1900	320 110	9500 -	860 -
3.1~4.0	7000 5000	480 270	7000 4800	770 390	6400 2200	510 200	3200 1400	310 100	7000 -	780 -
4.1~5.0	5700 4000	450 260	5700 3800	740 360	5100 1800	480 190	2500 1200	290 100	5700 -	750 -
5.1~6.0	4800 3400	430 260	4800 3200	710 350	4200 1500	450 180	2100 950	270 90	4800 -	720 -
6.1~7.0	4100 3000	410 250	4100 2700	680 340	3600 1250	430 170	1800 820	260 90	4100 -	690 -
7.1~8.0	3500 2500	390 230	3500 2400	630 320	3200 1100	420 160	1600 700	260 85	3500 -	650 -
8.1~9.0	3200 2300	390 230	3200 2100	630 320	2800 1000	410 160	1400 640	250 85	3200 -	650 -
9.1~10.0	2800 2000	370 220	2800 1900	600 310	2500 900	400 160	1250 600	240 85	2800 -	630 -
10.1~11.0	2600 1850	360 220	2600 1700	590 300	2300 800	380 150	1150 520	230 80	2600 -	610 -
11.1~12.0	2400 1700	360 220	2400 1600	580 290	2100 700	370 150	1050 480	230 80	2400 -	600 -
12.1~13.0	2200 1600	350 210	2200 1450	560 280	2000 680	360 150	1000 440	230 80	2200 -	580 -
13.1~16.0	1600 1300	330 190	1600 1300	500 250	1900 600	330 140	900 400	210 70	1600 -	550 -

● 有冷却液加工参数 With Coolant Processing Parameters

● 干式钻孔加工参数 Dry Drilling Processing Parameters

快速
钻孔

镗孔
加工
系统

钻头

铰刀

快速
钻头

铲钻

定心
钻头

VMD
大钻头

钻尖

空心
钻头

油路
配件

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刀柄

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CBH
精镗
系统

NBJ
NBH
镗孔
套装

TWE
RBH
粗镗
系统

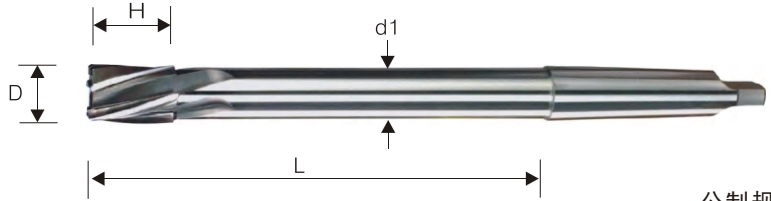
钻头

铰刀

SWRMT

螺旋焊刃式超微粒钨钢 左旋机械铰刀-莫氏锥柄

Spiral welded edge ultrafine tungsten steel
Left-handed mechanical reamer - Morse taper shank



公制规格

订购编码 Order Number	规格 Type	尺寸 Size(mm)						单价 Price
		外径 D(H7)	刃长 H	工作长 L	颈径 d ₁	莫氏锥柄 MT	齿数 T	
551100	SWRMT-12	12	20	150	11	2#	4	390
551102	SWRMT-14	14	20	150	13	2#	4	410
551104	SWRMT-15	15	25	150	14	3#	4	465
551106	SWRMT-16	16	25	150	15	3#	4	465
551108	SWRMT-17	17	25	150	16	3#	4	510
551110	SWRMT-18	18	35	200	17	3#	5	715
551112	SWRMT-19	19	35	200	18	3#	5	730
551114	SWRMT-20	20	35	200	19	3#	5	735
551116	SWRMT-22	22	35	200	20	3#	5	830
551118	SWRMT-23	23	35	200	21	3#	5	835
551120	SWRMT-24	24	35	200	22	3#	5	865
551122	SWRMT-25	25	35	200	22	3#	5	840
551124	SWRMT-28	28	35	230	25	4#	6	1160
551126	SWRMT-30	30	35	230	26	4#	6	1195
551128	SWRMT-32	32	35	230	28	4#	6	1245
551130	SWRMT-35	35	35	230	31	4#	6	1360
551132	SWRMT-40	40	40	260	34	4#	6	1650
551134	SWRMT-42	42	40	260	36	4#	6	1810
551136	SWRMT-45	45	40	260	38	4#5#	6	2020
551138	SWRMT-50	50	50	300	44	4#5#	6	2520
551140	SWRMT-55	55	50	300	46	4#5#	8	3070
551142	SWRMT-60	60	50	300	50	4#5#	8	3300

SWRIMT

螺旋焊刃式超微粒钨钢左旋机械铰刀-莫氏锥柄

Spiral Welding Edge Type Ultra-fine Particle Tungsten Steel Left-hand Mechanical Reamer - Morse Taper Shank

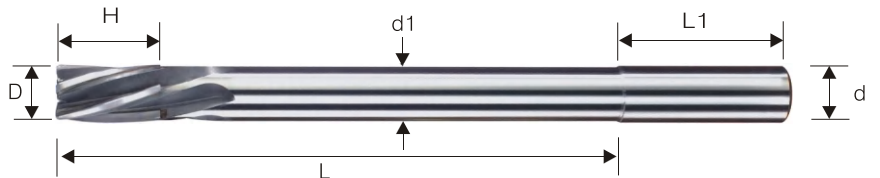
英制规格

订购编码 Order Number	规格 Type	尺寸 Size(mm)						单价 Price
		外径 D(H7)	刃长 H	工作长 L	颈径 d ₁	莫氏锥柄 MT	齿数 T	
551200	SWRIMT-1/2"	1/2"	20	150	12	2#	4	410
551202	SWRIMT-5/8"	5/8"	25	150	15	3#	4	465
551204	SWRIMT-3/4"	3/4"	35	200	18	3#	5	735
551206	SWRIMT-7/8"	7/8"	35	200	20	3#	5	865
551208	SWRIMT-1"	1"	35	200	22	3#	5	1160
551210	SWRIMT-1"1/8	1"1/8	35	230	25	4#	6	1195
551212	SWRIMT-1"1/4	1"1/4	35	230	28	4#	6	1245
551214	SWRIMT-1"3/8	1"3/8	35	230	31	4#	6	1360
551216	SWRIMT-1"1/2	1"1/2	35	260	34	4#	6	1650
551218	SWRIMT-1"5/8	1"5/8	40	260	36	4#	6	1810
551220	SWRIMT-1"3/4	1"3/4	40	260	38	4#	6	2020
551222	SWRIMT-1"7/8	1"7/8	40	260	40	4#	6	2520
551224	SWRIMT-2"	2"	50	300	44	4#	6	3070

SWRM

螺旋焊刃式超微粒 钨钢左旋机械铰刀-直柄

Spiral-welded ultrafine particles Tungsten steel
left-hand mechanical reamer - straight shank



订购编码 Order Number	规格 Type	尺寸 Size(mm)							单价 Price
		外径 D(H7)	刃长 H	工作长 L	颈径 d ₁	柄径 d(h7)	柄长 L ₁	齿数 T	
551300	SWRM-12	12	20	120	11	12	50	4	270
551302	SWRM-14	14	20	150	13	16	60	4	305
551304	SWRM-15	15	20	150	14	16	60	4	315
551306	SWRM-16	16	25	150	15	16	60	4	340
551308	SWRM-20	20	35	200	19	20	60	5	550
551310	SWRM-25	25	35	200	20	20	60	5	630

快速
钻孔

镗孔
加工
系统

钻头

铰刀

快速
钻头

铲钻

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镗孔
套装

TWE
RBH
粗镗
系统

钻头

铰刀

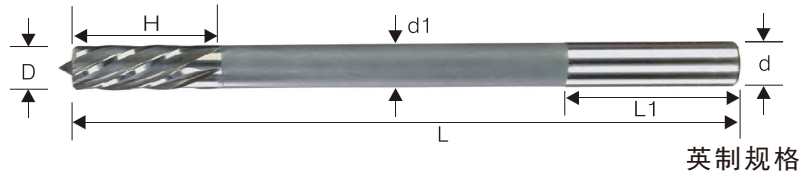
高精度铰刀

High precision reamer

SWRI

对焊式超微粒钨钢头 左旋机械铰刀-直柄

Butt-welded ultra-fine tungsten steel head
Left-handed mechanical reamer - straight shank



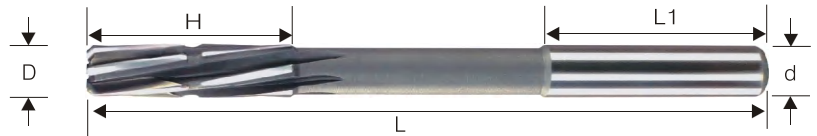
英制规格

订购编码 Order Number	规格 Type	尺寸 Size(mm)							单价 Price
		外径 D(H7)	刃长 H	颈径 d ₁	柄长 L ₁	柄径 d(h7)	全长 L	齿数 T	
551400	SWRI-1/8"	1/8"	20	3	35	3	75	4	
551402	SWRI-3/16"	3/16"	20	4.4	35	4	75	4	
551404	SWRI-1/4"	1/4"	30	6	40	6	130	4	
551406	SWRI-5/16"	5/16"	30	7.5	40	8	130	5	
551408	SWRI-3/8"	3/8"	30	9.3	40	10	130	5	
551410	SWRI-7/16"	7/16"	30	10.8	40	12	130	6	
551412	SWRI-1/2"	1/2"	30	12	40	12	130	6	

SWM

焊刃式超微粒钨钢不等分 左旋机械铰刀-直柄

Welding edge type ultrafine tungsten steel is not equal
Left-handed mechanical reamer - straight shank

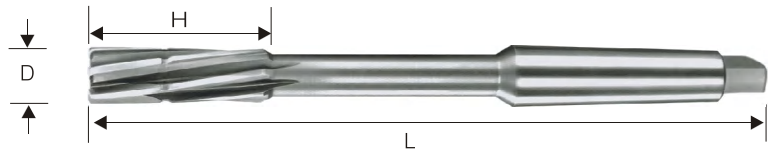


订购编码 Order Number	规格 Type	尺寸 Size(mm)					齿数 T	单价 Price
		外径 D(H7)	刃长 H	柄长 L ₁	柄径 d(h7)	全长 L		
551500	SWM-6	6	26	32	6	93	6T	
551502	SWM-7	7	31	36	7	109	6T	
551504	SWM-8	8	33	42	8	117	6T	
551506	SWM-9	9	36	42	9	125	6T	
551508	SWM-10	10	38	45	10	133	6T	
551510	SWM-11	11	41	48	10	142	6T	
551512	SWM-12	12	44	50	10	151	6T	
551514	SWM-13	13	44	50	10	151	6T	
551516	SWM-14	14	47	53	12.5	160	6T	
551518	SWM-15	15	50	55	12.5	162	6T	
551520	SWM-16	16	52	58	12.5	170	6T	
551522	SWM-17	17	54	62	14	175	6T	
551524	SWM-18	18	56	64	14	182	6T	
551526	SWM-19	19	58	66	16	189	6T	
551528	SWM-20	20	60	68	16	195	6T	

SWMT

焊刃式超微粒钨钢不等分 左旋机械铰刀-莫式锥柄

Welding edge type ultrafine tungsten steel is not equal
Left-handed mechanical reamer - Mo-style taper shank



订购编码 Order Number	规格 Type	尺寸 Size(mm)					单价 Price
		外径 D(H7)	刃长 H	全长 L	莫式锥柄 MT	齿数 T	
551600	SWMT-10	10	38	168	1#	6	
551602	SWMT-11	11	41	175	1#	6	
551604	SWMT-12	12	44	182	1#	6	
551606	SWMT-13	13	44	182	1#	6	
551608	SWMT-14	14	47	189	1#	6	
551610	SWMT-15	15	50	204	2#	6	
551612	SWMT-16	16	52	210	2#	6	
551614	SWMT-17	17	54	214	2#	6	
551616	SWMT-18	18	56	219	2#	6	
551618	SWMT-19	19	58	223	2#	6	
551620	SWMT-20	20	60	228	2#	6	
551622	SWMT-22	22	64	237	2#	6	
551624	SWMT-24	24	68	268	2#	8	
551626	SWMT-25	25	68	268	2#	8	
551628	SWMT-26	26	70	273	3#	8	
551630	SWMT-27	27	71	277	3#	8	
551632	SWMT-28	28	71	277	3#	8	
551634	SWMT-30	30	73	281	3#	8	
551636	SWMT-32	32	77	317	4#	8	
551638	SWMT-35	35	78	321	4#	8	
551640	SWMT-36	36	79	325	4#	8	
551642	SWMT-38	38	81	329	4#	8	
551644	SWMT-40	40	81	329	4#	8	

快速
钻孔

镗孔
加工
系统

钻头

铰刀

快速
钻头

铲钻

定心
钻头

VMD
大钻头

钻尖

空心
钻头

油路
配件

LBK
BST
镗孔
刀柄

HBOR
CBI
CBH
镗孔
系统

NBJ
NBH
镗孔
套装

TWE
RBH
粗镗
系统

钻头

铰刀

螺纹铣削刀具

Thread milling tool

L05-L25



螺纹铣削系统

丝攻板牙

整体螺纹铣刀

螺纹铣刀杆刀片

丝攻板牙

丝锥

Taps

L27-L54



螺纹
铣削
系统

丝攻
板牙

整体
螺纹
铣刀

螺纹
铣刀
刀杆
刀片

丝攻

板牙

单牙型 L05  螺纹铣刀 公制单牙螺纹铣刀 螺纹铣削加工	三牙型 L05  螺纹铣刀 公制三牙螺纹铣刀 螺纹铣削加工	全牙型 L06  螺纹铣刀 公制全牙螺纹铣刀 螺纹铣削加工	加长单牙型 L06  螺纹铣刀 公制加长单牙螺纹铣刀 螺纹铣削加工	加长三牙型 L07  螺纹铣刀 公制加长三牙螺纹铣刀 螺纹铣削加工	右旋钻型 L07  螺纹铣刀 M制-硬质合金右旋钻孔螺纹铣刀 螺纹铣削加工	左旋钻型 L08  螺纹铣刀 M制-硬质合金左旋钻孔螺纹铣刀 螺纹铣削加工	左旋右切全牙型 L08  螺纹铣刀 M制-特钢左旋右切全牙螺纹铣刀 螺纹铣削加工
单齿型 L09  螺纹铣刀 60° 单齿范围螺纹铣刀 螺纹铣削加工	三牙型 L10  螺纹铣刀 UNC, UNF 美制三牙螺纹铣刀 螺纹铣削加工	内螺纹型 L11  螺纹铣刀 全牙美制UN内螺纹铣刀 螺纹铣削加工	单齿范围型 L12  螺纹铣刀 55° 英制单齿范围螺纹铣刀 螺纹铣削加工	直槽型 L13  螺纹铣刀 A80德标PG-钨钢直槽螺纹铣刀 螺纹铣削加工	圆柱型 L13  螺纹铣刀 英制圆柱管螺纹铣刀 螺纹铣削加工	圆锥型 L14  螺纹铣刀 NPT/NTPF 美制圆锥管螺纹铣刀 螺纹铣削加工	圆锥型 L14  螺纹铣刀 BSPT (PT, RC) 英制圆锥管螺纹铣刀 螺纹铣削加工
标准型 L15  螺纹刀片 ISO标准型螺纹刀片 螺纹铣削加工	标准型 L15  螺纹刀片 UN-60° 美制统一标准型螺纹刀片 螺纹铣削加工	英国惠氏 L16  螺纹刀片 W-55° 英国惠氏螺纹刀片 螺纹铣削加工	标准锥管型 L16  螺纹刀片 BSPT-55° 英国标准锥管螺纹刀片 螺纹铣削加工	SR... L18  适配刀片 ..N.. 螺纹铣削加工	SR... 加长 L18  适配刀片 ..N.. 螺纹铣削加工	SR... 双刃 L18  适配刀片 ..N.. 螺纹铣削加工	SR... 刀盘 L18  适配刀片 ..N.. 螺纹铣削加工
标准型 L19  螺纹铣刀片 ISO标准型螺纹铣刀片 螺纹铣削加工	美制统一标准型 L19  螺纹铣刀片 UN-60° 美制统一标准型螺纹铣刀片 螺纹铣削加工	机械型 L19  螺纹铣刀片 UNJ美制航空航天机械螺纹刀片 螺纹铣削加工	STM... L20  适配刀片 TM... 螺纹铣削加工	STMN... L20  适配刀片 TM... 螺纹铣削加工	STM... L20  适配刀片 TM... 螺纹铣削加工	STML... L20  适配刀片 TM... 螺纹铣削加工	2STM... 双刃 L20  适配刀片 TM... 螺纹铣削加工
SHTM... 刀盘 L20  适配刀片 TM... 螺纹铣削加工	2UI... L23  螺纹铣刀片 深孔加工 螺纹铣削加工	3UI... L23  螺纹铣刀片 深孔加工 螺纹铣削加工	..AI... L23  螺纹铣刀片 深孔加工 螺纹铣削加工	螺纹铣刀杆 L23  螺纹铣刀杆 深孔加工 螺纹铣削加工	螺纹铣刀杆 L23  螺纹铣刀杆 深孔加工 螺纹铣削加工	单刃铣螺纹 L24  螺纹铣刀杆 铣螺纹加工 螺纹铣削加工	旋风铣螺纹 L25  螺纹铣刀杆 旋风铣螺纹加工 螺纹铣削加工
螺旋槽丝锥 L27  螺旋丝锥 JIS-SP螺旋槽丝锥 螺纹铣削加工	螺旋槽丝锥 L28  螺旋丝锥 JIS-SP螺旋槽丝锥 螺纹铣削加工	螺旋槽丝锥-短刃 L28  螺旋丝锥 JIS螺旋槽丝锥-短刃 螺纹铣削加工	螺旋槽丝锥 L29  螺旋槽丝锥 JIS-SP美制螺旋槽丝锥 螺纹铣削加工	螺旋槽丝锥 L30  螺旋槽丝锥 JIS-SP英制螺旋槽丝锥 螺纹铣削加工	直槽先端丝锥 L31  直槽丝锥 直槽先端丝锥JIS-P0 通孔加工	直槽先端丝锥 L33  直槽丝锥 JIS-P0英制直槽先端丝锥 通孔加工	直槽先端丝锥 L34  直槽丝锥 JIS-P0美制直槽先端丝锥 通孔加工
无沟挤压丝锥 L35  直槽丝锥 JIS-NRT无沟挤压丝锥 螺纹孔加工	无沟挤压丝锥 L36  直槽丝锥 JIS-NRT美制无沟挤压丝锥 螺纹孔加工	螺旋槽丝锥 L37  螺旋槽丝锥 GB-SPS螺旋槽丝锥 螺纹孔加工	直槽丝锥 L38  直槽丝锥 GB-P0Z直槽先端丝锥 螺纹孔加工	螺旋槽丝锥 L39  螺旋槽丝锥 DIN-SP螺旋槽丝锥 螺纹孔加工	直槽丝锥 L40  直槽丝锥 DIN-P0直槽先端丝锥 螺纹孔加工	螺纹丝锥 L41  螺纹丝锥 (标准) 圆柱螺纹丝锥 螺纹孔加工	螺纹丝锥 (RC) L41  螺纹丝锥 55° 圆锥管螺纹丝锥 螺纹孔加工
螺纹丝锥 (PT) L41  螺纹丝锥 55° 圆锥管螺纹螺旋槽丝锥 螺纹孔加工	螺纹丝锥 L42  螺纹丝锥 60° 圆锥管螺纹螺旋槽丝锥 螺纹孔加工	螺纹丝锥 L42  螺纹丝锥 60° 圆锥管螺纹螺旋槽丝锥 螺纹孔加工	螺纹丝锥 L42  螺纹丝锥 ANPT圆锥管螺纹丝锥 螺纹孔加工	螺纹丝锥 L43  螺纹丝锥 NPTF圆锥管螺纹丝锥 (干密封) 螺纹孔加工	螺纹加长丝锥 L43  螺纹加长丝锥 60° 圆锥管螺纹加长丝锥 螺纹孔加工	螺纹丝锥 L43  螺纹丝锥 美标气瓶螺纹丝锥 螺纹孔加工	螺纹丝锥 L44  螺纹丝锥 气瓶螺纹丝锥 螺纹孔加工

螺纹铣削系统

丝攻板牙

整体螺纹铣刀

螺纹铣刀刀杆刀片

丝攻

板牙

整体钨钢螺纹铣刀

Integral Tungsten Steel Thread Milling Cutter

螺纹丝锥	暖气片丝锥	钢管丝锥	钢管丝锥	抽油杆丝锥	桶盖丝锥	过滤器丝锥	过滤器丝锥
L44	L44	L45	L45	L45	L46	L46	L46
							
螺纹丝锥 建筑套筒用螺纹丝锥 螺纹孔加工	暖气片丝锥 适用于左右旋内螺纹加工 螺纹孔加工	钢管丝锥 NPSC、NPSL 钢管丝锥 螺纹孔加工	钢管丝锥 Rp 钢管丝锥 螺纹孔加工	抽油杆丝锥 抽油杆接箍挤压丝锥 螺纹孔加工	桶盖丝锥 桶盖挤压丝锥 螺纹孔加工	过滤器丝锥 过滤器普通螺纹挤压丝锥 螺纹孔加工	过滤器丝锥 过滤器统一螺纹挤压丝锥 螺纹孔加工
梯形丝锥	螺母丝锥	螺旋槽丝锥	专用丝锥	螺纹环规	螺纹塞规	螺纹塞规	螺纹环规
L47	L47	L47	L47	L48	L48	L48	L49
							
梯形丝锥 梯形丝锥 (TR...) 螺纹孔加工	螺母丝锥 防松螺母丝锥 螺母螺纹孔加工	螺旋槽丝锥 马氏体专用螺旋槽公制丝锥 螺纹孔加工	专用丝锥 专用公制阀门丝锥 螺纹孔加工	螺纹环规 55° 全牙型工作螺纹环规 螺纹加工	螺纹塞规 55° 全牙型工作螺纹塞规 螺纹加工	螺纹塞规 NPT圆锥管工作螺纹塞规 (极限式) 螺纹加工	螺纹环规 NPT圆锥管工作螺纹环规 (极限式) 螺纹加工
螺纹塞规	圆锥环规	气瓶环规	螺纹梳刀体	螺纹梳刀体	梳刀片	梳刀片	梳刀片
L49	L49	L49	L49	L50	L50	L50	L50
							
螺纹塞规 德标螺纹极限塞规 螺纹加工	圆锥环规 气瓶圆锥光滑环规 螺纹加工	气瓶环规 气瓶圆锥光滑环规 螺纹加工	螺纹梳刀体 R、NPT圆锥管螺纹梳刀体 螺纹加工	螺纹梳刀体 R、NPT圆锥管螺纹梳刀体 (刀把式) 螺纹加工	梳刀片 出口数刀片 螺纹加工	梳刀片 R、NPT圆锥管螺纹刀把梳刀片 螺纹加工	梳刀片 R、NPT圆锥管螺纹梳刀片 螺纹加工
螺纹钻头	螺纹攻牙	螺纹攻牙	螺纹攻牙	螺纹攻牙			
L51	L52	L52	L53	L54			
							
螺纹钻头 螺纹攻牙下孔径 (钻头) 螺纹加工	螺纹攻牙 挤压-螺纹攻牙下孔径 螺纹加工	螺纹攻牙 挤压-螺纹攻牙下孔径 螺纹加工	螺纹攻牙 螺纹攻牙下孔径 (钻头) 螺纹加工	螺纹攻牙 螺纹攻牙下孔径 (钻头) 螺纹加工			

螺纹
铣削
系统

丝攻
板牙

整体
螺纹
铣刀

螺纹
铣刀
刀杆
刀片

丝攻

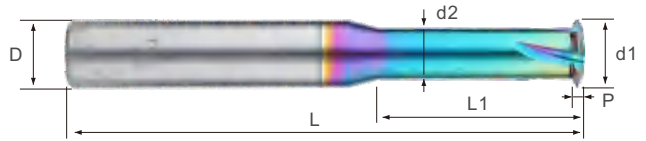
板牙



公制单牙螺纹铣刀

Metric single tooth thread milling cutter

1T-..

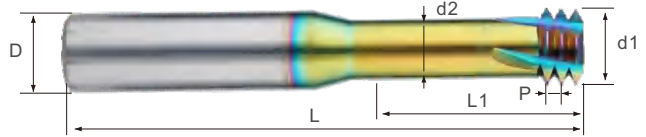


螺距 pitch	粗牙 Coarse teeth	细牙 Fine tooth	刃径d1 Blade diameter d1	避空直径d2 Avoidance diameter d2	有效刃长L1 Effective blade length L1	柄径D Shank diameter D	总长L Total length L	刃数 Blade count	Order Number
0.2	M0.8xP0.2		0.55	0.29	1.5	4	50	2	
0.25	M1.0xP0.25		0.7	0.375	3.1	4	50	3	
0.25	M1.2xP0.25		0.9	0.575	3.8	4	50	3	
0.3	M1.4xP0.3		1.05	0.66	4	4	50	3	
0.35	M1.6xP0.35		1.2	0.745	5	4	50	3	
0.35		M1.8xP0.35/M2.0xP0.35	1.4	0.945	5.6	4	50	3	
0.4	M2xP0.4		1.54	1.02	6	4	50	3	
0.45	M2.5xP0.45		1.96	1.375	6.5	4	50	3	
0.5	M3xP0.5		2.4	1.75	8	4	50	3	
0.5		M8.0xP0.5	6	5.35	20	6	50	3	
0.6	M3.5xP0.6		2.75	1.97	10	4	50	3	
0.7	M4.0xP0.7		3.15	2.24	10	4	50	3	
0.75	M4.5xP0.75		3.5	2.525	12	4	50	3	
0.75		M8.0xP0.75	6	5.025	20	6	50	3	
0.8	M5.0xP0.8		4	2.96	12	4	50	3	
1.0	M6.0xP1.0		4.8	3.5	15	6	50	3	
1.25	M8.0xP1.25		6	4.375	20	6	50	3	
1.5	M10xP1.5		8	6.05	25	8	60	3	
1.5		M14xP1.5	12	10.05	30	12	75	4	
1.75	M12xP1.75		10	7.725	30	10	75	4	
2.0	M14xP2.0		10	7.4	36	10	75	4	
2.0		M16xP2.0	12	9.4	45	12	75	4	
2.5	M18xP2.5		14	10.75	48	14	90	5	
3.0	M24xP3.0		14	10.1	48	14	90	5	
3.5	M30xP3.5		16	11.45	50	16	90	5	

公制三牙螺纹铣刀

Metric three tooth thread milling cutter

3T-..



螺距 pitch	粗牙 Coarse teeth	细牙 Fine tooth	刃径d1 Blade diameter d1	避空直径d2 Avoidance diameter d2	有效刃长L1 Effective blade length L1	柄径D Shank diameter D	总长L Total length L	刃数 Blade count	Order Number
0.25	M1.0xP0.25		0.7	0.375	2.8	4	50	3	
0.25	M1.2xP0.25		0.9	0.575	3	4	50	3	
0.3	M1.4xP0.3		1.05	0.66	3.2	4	50	3	
0.35	M1.6xP0.35		1.2	0.745	4	4	50	3	
0.35		M1.8xP0.35	1.41	0.955	4.1	4	50	3	
0.4	M2.0xP0.4		1.54	1.02	4.4	4	50	3	
0.45	M2.5xP0.45		1.96	1.375	5.3	4	50	3	
0.5	M3.0xP0.5		2.4	1.75	6.4	4	50	3	
0.5		M4.0xP0.5	3	2.35	8.6	4	50	3	
0.5		M6.0xP0.5	4.8	4.15	13	6	50	3	
0.5		M10xP0.5	8	7.35	21.8	8	60	3	
0.6	M3.5xP0.6		2.75	1.97	7.4	4	50	3	
0.7	M4.0xP0.7		3.15	2.24	8.6	4	50	3	
0.75	M4.5xP0.75		3.5	2.525	9.5	4	50	3	
0.75		M6.0xP0.75	4.8	3.825	13	6	50	3	
0.75		M8.0xP0.75	6	5.025	16	6	50	3	
0.75		M10xP0.75	8	7.025	21.8	8	60	3	
0.8	M5.0xP0.8		4	2.96	12	4	50	3	
1.0	M6.0xP1.0		4.8	3.5	13	6	50	3	
1.0		M8.0xP1.0	6	4.7	16	6	50	3	
1.0		M10xP1.0	8	6.7	21.8	8	60	3	
1.0		M12xP1.0	10	8.7	25	10	75	4	
1.0		M14xP1.0	10	8.7	28	10	75	4	
1.0		M16xP1.0	12	10.7	30	12	75	4	
1.0		M20xP1.0	15.8	14.5	40	16	90	4	
1.25	M8.0xP1.25		6	4.375	16	6	50	3	
1.25		M10xP1.25	8	6.375	21.8	8	60	3	
1.25		M12xP1.25	10	8.375	25	10	75	4	
1.25		M14xP1.25	10	8.375	28	10	75	4	
1.25		M16xP1.25	12	10.375	30	12	75	4	
1.5	M10xP1.5		8	6.05	21.8	8	60	3	
1.5		M12xP1.5	10	8.05	25	10	75	4	
1.5		M14xP1.5	12	10.05	28	12	75	4	
1.5		M16xP1.5	12	10.05	30	12	75	4	
1.5		M20xP1.5	15.8	13.85	40	16	90	4	
1.75	M12xP1.75		10	7.725	25	10	75	4	
2.0	M14xP2.0		10	7.4	25	10	75	4	
2.0		M16xP2.0	12	9.4	27	12	75	4	
2.0		M20xP2.0	15.8	13.2	40	16	90	4	
2.5	M20xP2.5		14	10.75	40	14	90	4	
3.0	M24xP3.0		16	12.1	45	16	90	4	

螺纹
铣削
系统

丝攻
板牙

整体
螺纹
铣刀

螺纹
铣刀
刀杆
刀片

丝攻

板牙

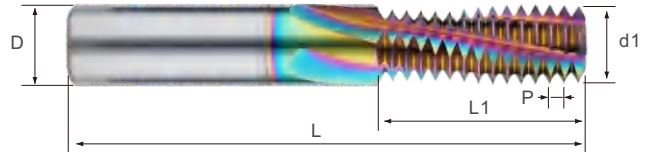
整体钨钢螺纹铣刀

Integral Tungsten Steel
Thread Milling Cutter

公制全牙螺纹铣刀

Metric full thread milling cutter

FT-..

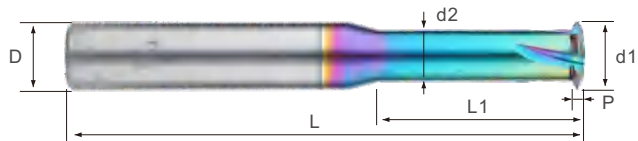


螺距 pitch	粗牙 Coarse teeth	细牙 Fine tooth	刃径d1 Blade diameter d1	有效刃长L1 Effective blade length L1	柄径D Shank diameter D	总长L Total length L	刃数 Blade count	Order Number
0.5	M3.0xP0.5		2.3	6	4	50	3	
0.5		M6.0xP0.5	4	10	4	50	3	
0.5		M8-M12xP0.5	6	16	6	50	3	
0.6	M3.5xP0.6		2.7	7	4	50	3	
0.7	M4.0xP0.7		3	8	4	50	3	
0.75	M4.5xP0.75		3.4	9	4	50	3	
0.75		M6.0xP0.75	4.8	12	6	60	3	
0.75		M8.0xP0.75	6	16	6	60	3	
0.75		M10-M12xP0.75	8	20	8	60	3	
0.8	M5.0xP0.8		4	10	4	50	3	
1.0	M6.0xP1.0		4.8	12	6	60	3	
1.0		M8.0xP1.0	6	16	6	60	3	
1.0		M10xP1.0	8	20	8	60	3	
1.0		M12-M14xP1.0	10	22	10	75	4	
1.0		M16xP1.0	12	22	12	75	4	
1.0		M20-M48xP1.0	16	30	16	90	4	
1.25	M8.0xP1.25		6	16	6	60	3	
1.25		M10xP1.25	8	20	8	60	3	
1.25		M12-M14xP1.25	10	25	10	75	4	
1.5	M10xP1.5		8	20	8	60	3	
1.5		M12-M20xP1.5	10	28	10	75	4	
1.5		M14-M24xP1.5	12	28	12	75	4	
1.5		M20-M48xP1.5	16	30	16	90	4	
1.75	M12xP1.75		9.8	30	10	75	4	
2.0	M14xP2.0		10	30	10	75	4	
2.0		M16xP2.0	12	30	12	75	4	
2.0		M20-M80xP2.0	16	40	16	100	4	
2.5	M18-M20xP2.5		14	36	14	100	4	
2.5		M20-M80xP2.5	16	40	16	100	4	
3.0	M24xP3.0		16	42	16	100	4	

公制加长单牙螺纹铣刀

Metric extended single tooth thread milling cutter

1T-..



螺距 pitch	型号 model	刃径d1 Blade diameter d1	避空直径d2 Avoidance diameter d2	有效刃长L1 Effective blade length L1	柄径D Shank diameter D	总长L Total length L	刃数 Blade count	Order Number
0.3	M1.4xP0.3	1.05	0.66	4	4	100	3	
0.35	M1.6xP0.35	1.2	0.745	4.5	4	100	3	
0.4	M2.0xP0.4	1.55	0.9	6	4	100	3	
0.45	M2.5xP0.45	1.96	1.3	6.5	4	100	4	
0.5	M3.0xP0.5	2.35	1.6	8	4	100	4	
0.7	M4.0xP0.7	3.15	2.1	10	4	100	4	
0.8	M5.0xP0.8	3.9	2.8	12	4	100	4	
1.0	M6.0xP1.0	4.8	3.4	15	6	100	4	
1.25	M8.0xP1.25	6	4.2	20	6	100	4	
1.5	M10xP1.5	7.7	5.6	25	8	100	4	
1.75	M12xP1.75	9.6	7.3	30	10	100	4	
2.0	M14xP2.0	10	7.3	36	10	100	4	
2.5	M18xP2.5	12	8.75	38	12	100	4	
3.0	M24xP3.0	14	10.1	48	14	100	6	
3.5	M30xP3.5	16	11.45	50	16	100	6	

螺纹
铣削
系统

丝攻
板牙

整体
螺纹
铣刀

螺纹
铣刀
刀杆
刀片

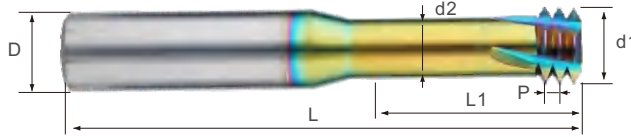
丝攻

板牙

公制加长三牙螺纹铣刀

Metric extended single tooth thread milling cutter

3T-..



螺距 pitch	型号 model	刃径d1 Blade diameter d1	避空直径d2 Avoidance diameter d2	有效刃长L1 Effective blade length L1	柄径D Shank diameter D	总长L Total length L	刃数 Blade count	Order Number
0.35	M1.6*P0.35	1.2	0.745	3.2	6	100	3	
0.4	M2.0*P0.4	1.55	1.03	4	6	100	3	
0.45	M2.5*P0.45	1.96	1.375	5	6	100	3	
0.5	M3.0*P0.5	2.4	1.75	6	6	100	3	
0.7	M4.0*P0.7	3.15	2.24	8	6	100	3	
0.8	M5.0*P0.8	4	2.96	10	6	100	3	
1.0	M6.0*P1.0	4.8	3.5	12	6	100	3	
1.25	M8.0*P1.25	6	4.375	16	6	100	4	
1.5	M10*P1.5	8	6.05	21.8	8	100	4	
1.75	M12*P1.75	10	7.725	24	10	100	4	
2.0	M14*P2.0	10	7.4	37	10	100	4	

螺纹
铣削
系统

丝攻
板牙

整体
螺纹
铣刀

螺纹
铣刀
刀杆
刀片

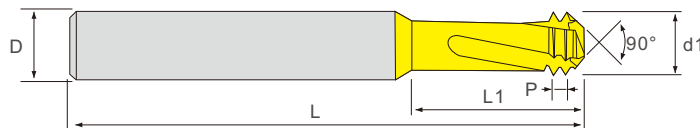
丝攻

板牙

M公制-硬质合金右旋钻孔螺纹铣刀

M metric hard alloy right-hand drilling thread milling cutter

RT-..



M公制螺纹代号 M metric thread code	刀具规格 tool specification	刃径d1 Blade diameter d	有效刃长L1 Effective blade length L1	螺距 P pitch	柄径D Shank diameter D	刃数F Blade count F	总长L Total length L	Order Number
M2*0.4P	D1.4*0.4P*5H*D6*50L*3F	1.4	5	0.4	6	3	50	
M2.5*0.45P	D1.8*0.45P*6H*D6*50L*3F	1.8	6	0.45	6	3	50	
M3*0.5P	D2.4*0.5P*9H*D6*50L*3F	2.4	9	0.5	6	3	50	
M4*0.7P	D3.2*0.7P*12H*D6*50L*3F	3.2	12	0.7	6	3	50	
M5*0.8P	D3.9*0.8P*12H*D6*50L*3F	3.9	12	0.8	6	3	50	
M6*1.0P	D4.7*1.0P*15H*D6*50L*3F	4.7	15	1	6	3	50	
M8*1.25P	D6.5*1.25P*20H*D8*60L*3F	6.5	20	1.25	8	3	60	
M10*1.5P	D7.8*1.5P*23H*D8*75L*3F	7.8	23	1.5	8	3	75	
M12*1.75P	D9.5*1.75P*26H*D10*75L*3F	9.5	26	1.75	10	3	75	

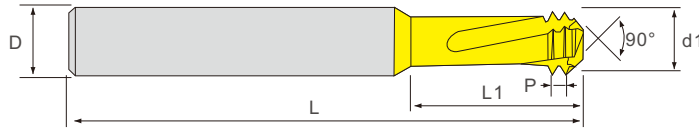
Co10%材料, 涂层巴尔查斯-超H,加工不锈钢, 高温合金, 钛合金, 模具钢, 钢件, 铸铁

Co10% material, coated with Balchals Ultra H, processed stainless steel, high-temperature alloy, titanium alloy, mold steel, steel parts, cast iron

M公制-硬质合金高硬左旋左切钻铣螺纹铣刀

M metric hard alloy high hardness left-hand cutting, drilling, and milling thread milling cutter

LT-...



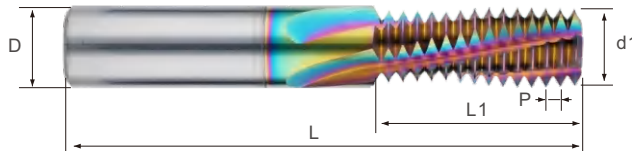
M公制螺纹代号 M metric thread code	刀具规格 tool specification	刃径d1 Blade diameter d	有效刃长L1 Effective blade length L1	螺距 P pitch	柄径D Shank diameter D	刃数F Blade count F	总长L Total length L	Order Number
M2*0.4P	D1.4*0.4P*5H*D6*50L*4F	1.4	5	0.4	6	4	50	
M2.2*0.45P	D1.6*0.45P*5.5H*D6*50L*4F	1.6	5.5	0.45	6	4	50	
M2.5*0.45P	D1.8*0.45P*6.25H*D6*50L*4F	1.8	6.25	0.45	6	4	50	
M3*0.5P	D2.4*0.5P*7.25H*D6*50L*4F	2.4	7.25	0.5	6	4	50	
M4*0.7P	D3.1*0.7P*10H*D6*50L*4F	3.1	10	0.7	6	4	50	
M5*0.8P	D4*0.8P*12.5H*D6*50L*4F	4	12.5	0.8	6	4	50	
M6*1.0P	D4.6*1.0P*15H*D6*50L*4F	4.6	15	1	6	4	50	
M8*1.25P	D6.2*1.25P*20H*D10*75L*4F	6.2	20	1.25	10	4	75	
M10*1.5P	D7.5*1.5P*25H*D10*75L*4F	7.5	25	1.5	10	4	75	
M12*1.75P	D9*1.75P*30H*D10*75L*4F	9	30	1.75	10	4	75	

Co8%高硬材料, 涂层巴尔查斯-DR,加工热处理钢材HRC60模具钢等高硬度材料
Co8% high hardness material, coated with Balchals DR, processed heat treated steel HRC60 mold steel and other high hardness materials

M公制-钨钢左旋右切全牙螺纹铣刀

M metric tungsten steel left-hand right cutting full thread milling cutter

FLT-...



M公制螺纹代号 M metric thread code	刀具规格 tool specification	刃径d1 Blade diameter d	有效刃长L1 Effective blade length L1	螺距P pitch	柄径D Shank diameter D	刃数F Blade count F	总长L Total length L	Order Number
M6*0.75P	D4.5*0.75P*13H*D6*65*4T	4.5	13	0.75	6	4	65	
M6*1.0P	D4.5*1.0P*13H*D6*65*4T	4.5	13	1	6	4	65	
M8*0.5P	D5.7*0.5P*16H*D6*75L*4T	5.7	16	0.5	6	4	75	
M8*1.0P	D5.7*1.0P*18H*D6*75*4T	5.7	18	1	6	4	75	
M8*1.25P	D5.7*1.25P*19H*D6*75*4T	5.7	19	1	6	4	75	
M10*1.0P	D7.7*1.0P*22H*D8*85*4T	7.7	22	1	8	4	85	
M10*1.25P	D7.7*1.25P*22.5H*D8*85*4T	7.7	22.5	1.25	8	4	85	
M10*1.5P	D7.7*1.5P*24H*D8*85*4T	7.7	24	1.5	8	4	85	
M12*1.0P	D9.7*1.0P*26H*D10*100*5T	9.7	26	1	10	5	100	
M12*1.25P	D9.7*1.25P*27.5H*D10*100*5T	9.7	27.5	1.25	10	5	100	
M12*1.5P	D9.7*1.5P*27H*D10*100*5T	9.7	27	1.5	10	5	100	
M12*1.75P	D9.7*1.75P*28H*D10*100*5T	9.7	28	1.75	10	5	100	
M14*0.5P	D11.7*0.5P*29H*D12*100*5T	11.7	29	0.5	12	5	100	
M14*0.75P	D11.7*0.75P*30H*D12*100*5T	11.7	30	0.75	12	5	100	
M14*1.0P	D11.7*1.0P*28H*D12*100*5T	11.7	28	1	12	5	100	
M14*2.0P	D9.7*2.0P*28H*D10*100*5T	9.7	28	2	10	5	100	
M16*1.0P	D13.7*1.0P*35H*D14*110*5T	13.7	35	1	14	5	110	
M16*1.5P	D13.7*1.5P*36H*D14*110*5T	13.7	36	1.5	14	5	110	
M16*1.5P	D13.7*1.5P*45H*D14*120*5T	13.7	45	1.5	14	5	120	
M16*2.0P	D11.7*2.0P*35H*D12*110*5T	11.7	35	2	12	5	110	
M18*2.5P	D11.7*2.5P*42.5H*D12*120*5T	11.7	42.5	2.5	12	5	120	
M20*1.5P	D15.7*1.5P*40H*D16*100*5T	15.7	40	1.5	16	5	100	
M24*3.0P	D19.7*3.0P*54H*D20*130*5T	19.7	54	3	20	5	130	

Co10%材料, 涂层巴尔查斯-超H,加工不锈钢, 高温合金, 钛合金, 模具钢, 钢件, 铸铁
Co10% material, coated with Balchals Ultra H, processed stainless steel, high-temperature alloy, titanium alloy, mold steel, steel parts, cast iron

螺纹
铣削
系统

丝攻
板牙

整体
螺纹
铣刀

螺纹
铣刀
刀杆
刀片

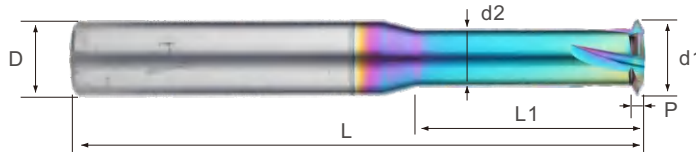
丝攻

板牙

60°单齿范围螺纹铣刀(适合UN.M)

60° single tooth range thread milling cutter (suitable for UN.M.)

1T-..



螺距 pitch	螺距 pitch	规格 specifications			尺寸规格 Size specifications						Order Number
		粗牙 Coarse teeth	细牙 Fine tooth		刃径d1 Blade diameter d1	避空直径d2 Avoidance diameter d2	有效刃长L1 Effective blade length L1	柄径D Shank diameter D	总长L Total length L	刃数 Blade count	
32-56	0.5-0.8	M5.0x0.8	M5x0.5 M5X0.75	No. 10-56UNS, No. 10-48UNS, No. 40UNS, M5X0.75	3.9	2.8	16	4	50	4	
24-56	0.5-1.0	M6.0x1.0	M6x0.5 M6X0.75	No. 12-56UNS, No. 12-48UNS, 1/4-40UNS, 1/4-36UNS, 1/4-32UNEF, 1/4-28UNF, 1/4-27UNS, 1/4-24UNS	4.85	3.5	20	6	60	5	
20-48	0.5-1.25	M8.0x1.25	M7x0.5 M7X0.75	5/16-48UNS, 5/16-40UNS, 5/16-36UNS, 5/16-36UNEF, 5/16-28UN, 5/16-27UNS, 5/16-24UNS, 5/16-20UNS	5.9	4.2	25	6	60	5	
24-56	0.5-1.0		M7.5X1.0 M10X0.5 M11X0.75	7/16-32UNS, 7/16-28UNEF, 7/16-27UNS, 7/16-24UNS	9.8	8.5	35	10	75	6	
13-24	1.0-1.50	M10x1.5	M11X1.0 M10X1.0	3/8-24UNF, 3/8-20UNS, 7/16-18UNS, 7/16-16UNS	7.9	5.8	32	8	75	6	
14-24	1.0-1.75	M12x1.75	M10X1.25 M12X1.0	1/2-24UNS, 1/2-20UNS, 1/2-18UNS, 1/2-16UNS, 1/2-14UNS	9.9	7.6	38	10	75	6	
14-24	1.0-2.0	M16x2.0	M12X1.25 M12X1.5 M13.5X1.0	9/16-24UNEF, 9/16-18UNF, 5/8-18UNF, 3/4-16UNF, 7/8-14UNF	11.9	9.6	40	12	75	6	
9-12	2.0-3.0	M18x2.5 M20x2.5 M24x3.0 M27x3.0	M14X1.25 M14X1.5	9/16-12UNC, 5/8-11UNC 3/4-10UNC, 7/8-9UNC	14	10.2	48	14	100	6	
8-12	2.0-3.5	M20x2.5 M22x2.5 M24x3.0 M27x3.0 M30x3.5 M33x3.5		9/16-12UNC, 5/8-11UNC 3/4-10UNC, 1-8UNC	16	11.5	50	16	100	6	

螺纹
铣削
系统

丝攻
板牙

整体
螺纹
铣刀

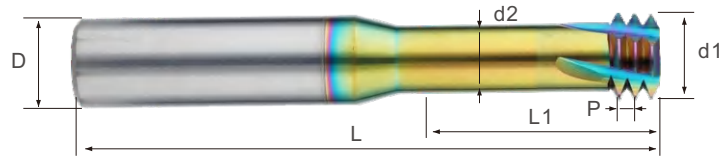
螺纹
铣刀
刀杆
刀片

丝攻
板牙

UNC.UNF美制三牙螺纹刀

UNC.UNF American triple thread cutter

3T-..



螺距 pitch	UNC粗牙 NUF Coarse teeth	UNF细牙 NUF Fine tooth	刃径d1 Blade diameter d1	避让直径d2 Avoidance diameter d2	有效刃长L1 Effective blade length L1	柄径D Shank diameter D	总长L Total length L	刃数 Blade count	Order Number
72		No.1-72	1.45	0.991	3.9	4	50	3	
64	No.1-64	No.2-64	1.4	0.884	4.2	4	50	3	
56	No.2-56	No.3-56	1.65	1.06	5	4	50	3	
48	No.3-48	No.4-48	1.9	1.212	6	4	50	3	
40	No.4,No.5-40	No.6-40	2.1	1.275	6	4	50	3	
40	No.5-40	No.6-40	2.45	1.6	7.2	4	50	3	
36		No.8-36	3.3	2.383	8.7	4	50	3	
32	No.6,No.8-32	No.10-32	2.55	1.518	7.4	4	50	3	
32	No.8-32	No.10-32	3.2	2.168	10	4	50	3	
32		No.10-32	3.8	2.768	10.3	4	50	3	
28		1/4"-28	5.25	4.071	13.2	6	50	3	
24	No.10-24	5/16"-24	3.58	2.204	10.2	4	50	3	
24		5/16"-24	6.68	5.304	16.5	8	60	3	
20	1/4"-20	7/16"-20	4.88	3.229	13.4	6	50	3	
20		7/16"-20	9.55	7.899	23	10	75	4	
18	5/16"-18		6.15	4.316	16.9	8	60	3	
16	3/8"-16		6.7	4.636	19.1	8	60	3	
14	7/16"-14		9	6.641	23.3	10	75	4	

螺纹
铣削
系统

丝攻
板牙

整体
螺纹
铣刀

螺纹
铣刀
刀杆
刀片

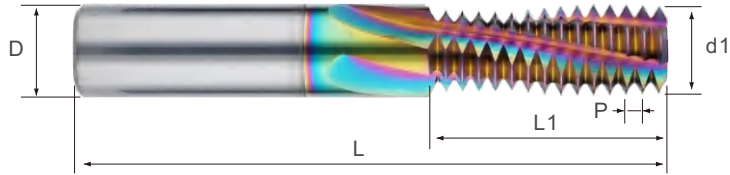
丝攻

板牙

全牙美制UN内螺纹铣刀

Full tooth American UN internal thread milling cutter

FT-..



螺距 pitch	粗牙 Coarse teeth	细牙 Fine tooth	超细牙 Ultrafine teeth	刃径d1 Blade diameter d1	有效刃长L1 Effective blade length L1	柄径D Shank diameter D	总长L Total length L	刃数 Blade count	Order Number
36		No.8-36		3	8.5	4	50	3	
32		No.10-32	No.12-3/8"-32	3.5	11.1	4	50	3	
28		No.12-28,1/4"-28	7/16",1/2"-28	4	11.8	4	50	3	
28		1/4"-28	7/16",1/2"-28	5	12.7	6	60	3	
28	N0.10-24		7/16",1/2"-28	9.2	22.7	10	75	4	
24	N0.12-24	5/16",3/8-24	9/16",11/16"-24	3.2	10.6	4	50	3	
24		5/16",3/8-24	9/16",11/16"-24	4	11.6	4	50	3	
24		5/16",3/8-24	9/16",11/16"-24	6	15.9	6	60	3	
24		3/8"-24	9/16",11/16"-24	7.8	19.1	8	60	3	
24	1/4"-20		9/16",11/16"-24	11.9	28.6	12	75	4	
20		7/16",1/2"-20	3/4",1"-20	4	12.7	4	50	3	
20		7/16",1/2"-20	3/4",1"-20	9	22.9	10	75	4	
20		1/2"-20	3/4",1"-20	10	25.4	10	75	4	
20	5/16"-18		3/4",1"-20	12	38.1	12	75	4	
18		9/16",5/8"-18	11/16",1 1/16"-18	5.8	16.9	6	60	3	
18		9/16",5/8"-18	11/16",1 1/16"-18	10	29.6	10	75	4	
18	3/8"-16	5/8"-18	11/16",1 1/16"-18	11.9	32.5	12	75	4	
16		3/4"-16		7.6	19.1	8	60	3	
16	7/16"-14	3/4"-16		12	28	12	75	4	
14		7/8"-14		8	20	8	60	3	
14	1/2"-13	7/8"-14		16	39.9	16	100	4	
13	9/16"-12			8	20	8	60	3	
12		1",1 1/2"-12		10	28	10	75	4	
12	5/8"-11	1",1 1/2"-12		16	40	16	100	4	
11	3/4"-10			12	30	12	75	4	
10	7/8"-9			12	30	12	75	4	
9	1"-8			16	38	16	100	4	
8				16	40	16	100	4	

螺纹
铣削
系统

丝攻
板牙

整体
螺纹
铣刀

螺纹
铣刀
刀杆
刀片

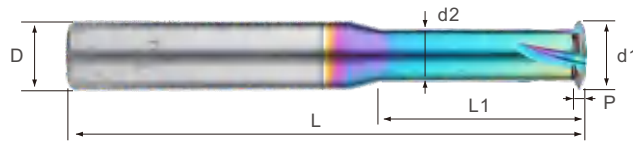
丝攻

板牙

55°英制单齿范围螺纹铣刀

55° inch single tooth range thread milling cutter

1T-..



螺距 pitch	型号 model	刃径d1 Blade diameter d1	避空直径d2 Avoidance diameter d2	有效刃长L1 Effective blade length L1	柄径D Shank diameter D	总长L Total length L	刃数 Blade count	Order Number
P0.793	W5/32	3.1	1.9	8	4	50	4	
P1.058	W3/16-24	3.5	2	10	4	50	4	
P1.27	W1/4-20	4	2.2	12	4	50	4	
P0.907-P1.411	W5/16-18 G1/16-28 G1/8-28	6	4.5	14	6	50	4	
P1.336-P1.814	W3/8-16 W7/16-14 G1/4-19 G3/8-19	8	5.9	22	8	60	4	
P1.336-P1.814	W7/16-14 G1/2-14 G1/4-19 G3/4-14 G3/8-19"	10	7.3	30	10	75	4	
P1.336-P2.54	W5/8-11 W3/4-10 G1/2-14 G3/4-14 G1-11	12	8.2	38	12	75	4	

螺纹
铣削
系统

丝攻
板牙

整体
螺纹
铣刀

螺纹
铣刀
刀杆
刀片

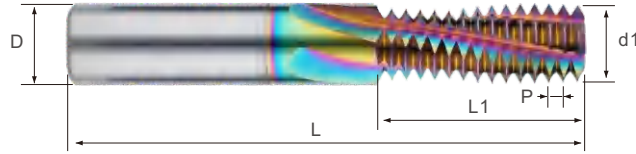
丝攻

板牙

A80德标PG-钨钢直槽螺纹铣刀

A80 German standard PG tungsten steel straight groove thread milling cutter

FT-..



UN螺纹代号 UN thread code	螺距 pitch	刀具规格 tool specification	刃径d1 Blade diameter d	有效刃长L1 Effective blade length L1	螺距 pitch	柄径D Shank diameter D	刃数F Blade count F	总长L Total length L	Order Number
Pg7	20	d7.9*1.27P*19L1*D8*65L*5F	7.9	19	1.27	8	5	65	
PG9,11, 13.5, 16	18	d9.9*1.411P*24L1*D10*75L*5F	9.9	24	1.411	10	5	75	
PG21, 29, 36, 42, 48	16	d11.9*1.588P*29L1*D12*85L*5F	11.9	29	1.588	12	5	85	

Co10%材料，涂层巴尔查斯-超H,加工不锈钢，高温合金，钛合金，模具钢，钢件，铸铁
Co10% material, coated with Balchals Ultra H, processed stainless steel, high-temperature alloy, titanium alloy, mold steel, steel parts, cast iron

螺纹
铣削
系统

丝攻
板牙

整体
螺纹
铣刀

螺纹
铣刀
刀杆
刀片

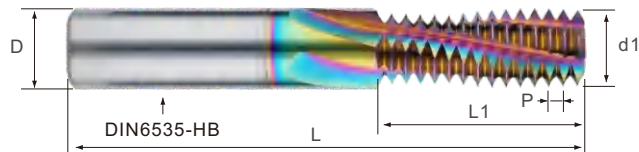
丝攻

板牙

英制圆柱管螺纹铣刀

Inch cylindrical pipe thread milling cutter

FT-..

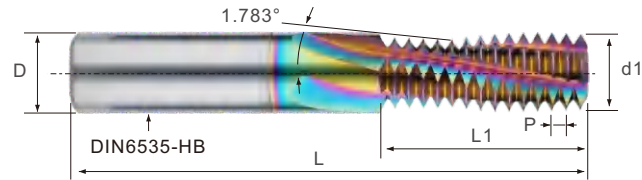


螺距 pitch	型号 model	刃径d1 Blade diameter d1	有效刃长L1 Effective blade length L1	柄径D Shank diameter D	总长L Total length L	刃数 Blade count	Order Number
28	G1/16 G1/8	6	12	6	60	3	
28	G1/8	8	12	8	60	3	
19	G1/4	8	18	8	60	3	
19	G1/4 G3/8	10	15	10	75	4	
19	G3/8	12	22	12	75	4	
19	G3/8	14	22	14	90	4	
14	G1/2 G5/8 G3/4	16	30	16	90	4	
11	G1 G1-1/2	16	34	16	90	4	

NPT/NPTF美制圆锥管螺纹铣刀

NPT/NPTF American taper pipe thread milling cutter

FT-..

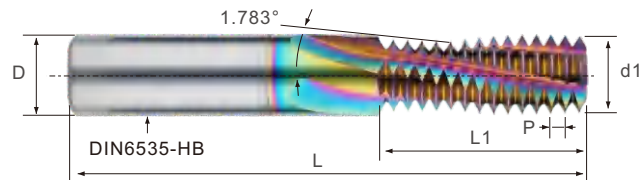


螺距 pitch	型号 model	刃径d1 Blade diameter d1	有效刃长L1 Effective blade length L1	柄径D Shank diameter D	总长L Total length L	刃数 Blade count	Order Number
27	1/16" 1/8"	5.2	12	6	60	3	
27	1/8"	7.2	12	8	60	3	
18	1/4"	7.1	14.1	8	60	3	
18	1/4" 3/8"	8.7	20	10	75	4	
18	3/8"	10.6	22	12	75	4	
18	3/8"	12.6	22	14	90	4	
14	1/2"	10.8	18.1	12	75	4	
14	1/2" 3/4" 5/8"	14.4	25	16	90	4	
11.5	1" 2"	14.1	30	16	90	4	
8	2-1/2" 3"	13.8	35	16	90	4	

BSPT(PT.RC)英制圆锥管螺纹铣刀

BSPT (PT. RC) British taper pipe thread milling cutter

FT-..



螺距 pitch	型号 model	刃径d1 Blade diameter d1	有效刃长L1 Effective blade length L1	柄径D Shank diameter D	总长L Total length L	刃数 Blade count	Order Number
28	RC1/16 RC1/8	5.24	12	6	60	3	
28	RC1/8	7.24	12	8	60	3	
19	RC1/4	7.13	14	8	60	3	
19	RC1/4 RC3/8	8.88	18	10	75	4	
19	RC3/8	10.75	20	12	75	4	
19	RC3/8	12.75	20	14	90	4	
14	RC1/2 RC3/4 RC7/8	14.48	24	16	90	4	
11	1"	14.13	30	16	90	4	

螺纹
铣削
系统

丝攻
板牙

整体
螺纹
铣刀

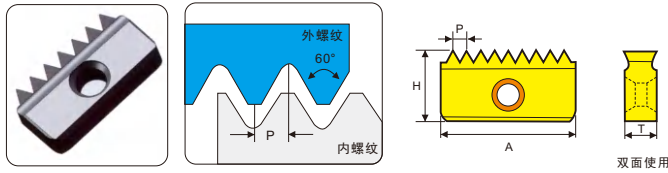
螺纹
铣刀
刀杆
刀片

丝攻

板牙

ISO标准型螺纹刀片

ISOS tandard threaded blade 产品编码: 6061..

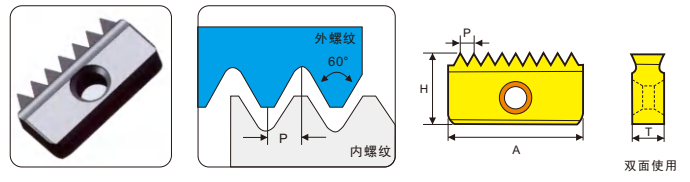


加工螺距 Pitch	尺寸 Dimensions(mm)				
mm	12	14	21	30	40
0.5 外Ext					
0.5 内Int	*12N 0.5 ISO	14 N 0.5 ISO			
0.75 外Ext	*12N 0.75 ISO	14 E 0.75 ISO			
0.75 内Int	*12N 1.0 ISO	14 N 0.75 ISO			
1.0 外Ext	*12N 1.25 ISO	14 E 1.0 ISO	21 E 1.0 ISO		
1.0 内Int	*12N 1.5 ISO	14 N 1.0 ISO	21 N 1.0 ISO		
1.25 外Ext		14 E 1.25 ISO			
1.25 内Int		14 N 1.25 ISO			
1.5 外Ext	14 E 1.5 ISO	21 E 1.5 ISO	30 E 1.5 ISO	40 E 1.5 ISO	
1.5 内Int	14 N 1.5 ISO	21 N 1.5 ISO	30 N 1.5 ISO	40 N 1.5 ISO	
1.75 外Ext	14 E 1.75 ISO				
1.75 内Int	14 N 1.75 ISO	21 N 1.75 ISO			
2.0 外Ext	14 E 2.0 ISO	21 E 2.0 ISO	30 E 2.0 ISO	40 E 2.0 ISO	
2.0 内Int	14 N 2.0 ISO	21 N 2.0 ISO	30 N 2.0 ISO	40 N 2.0 ISO	
2.5 外Ext	14 E 2.5 ISO	21 E 2.5 ISO			
2.5 内Int	14 N 2.5 ISO	21 N 2.5 ISO			
3.0 外Ext		21 E 3.0 ISO	30 E 3.0 ISO	40 E 3.0 ISO	
3.0 内Int		21 N 3.0 ISO	30 N 3.0 ISO	40 N 3.0 ISO	
3.5 外Ext			30 E 3.5 ISO		
3.5 内Int		21 N 3.5 ISO	30 N 3.5 ISO	40 N 3.5 ISO	
4.0 外Ext			30 E 4.0 ISO	40 E 4.0 ISO	
4.0 内Int			30 N 4.0 ISO	40 N 4.0 ISO	
4.5 外Ext					
4.5 内Int			30 N 4.5 ISO	40 N 4.5 ISO	
5.0 外Ext				40 E 5.0 ISO	
5.0 内Int			30 N 5.0 ISO	40 N 5.0 ISO	
5.5 外Ext					
5.5 内Int				40 E 5.5 ISO	
6.0 外Ext				40 E 6.0 ISO	
6.0 内Int					
H	6.3	7.5	12	16	20
T	2.9	3.1	4.7	5.5	6.3

*One cutting edge
Order example: 14 N 1.5 ISO MT7

UN-60°美制统-标准性螺纹刀片

UN,UNC,UNF,UNEF,UNS 产品编码: 6064..



加工螺距 Pitch	尺寸 Dimensions(mm)				
tpi	12	14	21	30	40
32 外Ext		14 E 32 UN			
32 内Int	*12N 32 UN	14 N 32 UN			
28 外Ext		14 E 28 UN			
28 内Int	*12N 28 UN	14 N 28 UN			
27 外Ext					
27 内Int		14 N 27 UN			
24 外Ext		14 E 24 UN	21 E 24 UN		
24 内Int	*12N 24 UN	14 N 24 UN	21 N 24 UN		
20 外Ext		14 E 20 UN	21 E 20 UN	30 E 20 UN	
20 内Int	*12N 20 UN	14 N 20 UN	21 N 20 UN	30 N 20 UN	
18 外Ext		14 E 18 UN	21 E 18 UN	30 E 18 UN	
18 内Int	*12N 18 UN	14 N 18 UN	21 N 18 UN	30 N 18 UN	
16 外Ext		14 E 16 UN	21 E 16 UN	30 E 16 UN	40 E 16 UN
16 内Int	*12N 16 UN	14 N 16 UN	21 N 16 UN	30 N 16 UN	40 N 16 UN
14 外Ext		14 E 14 UN	21 E 14 UN	30 E 14 UN	40 E 14 UN
14 内Int		14 N 14 UN	21 N 14 UN	30 N 14 UN	40 N 14 UN
12 外Ext		14 E 12 UN	21 E 12 UN	30 E 12 UN	40 E 12 UN
12 内Int		14 N 12 UN	21 N 12 UN	30 N 12 UN	40 N 12 UN
11 外Ext					
11 内Int		14 N 11 UN			
10 外Ext			21 E 10 UN	30 E 10 UN	40 E 10 UN
10 内Int		14 N 10 UN	21 N 10 UN	30 N 10 UN	40 N 10 UN
9 外Ext				30 E 8 UN	40 E 8 UN
8 内Int			21 N 8 UN	30 N 8 UN	40 N 8 UN
7 外Ext					
7 内Int			21 N 7 UN		
6 外Ext				30 E 6 UN	40 E 6 UN
6 内Int				30 N 6 UN	40 N 6 UN
5 外Ext					
5 内Int				30 N 5 UN	
4.5 外Ext					
4.5 内Int					40 N 4.5 UN
4 外Ext					
4 内Int					40 N 4 UN
H	6.3	7.5	12	16	20
T	2.9	3.1	4.7	5.5	6.3

H	6.3	7.5	12	16	20
T	2.9	3.1	4.7	5.5	6.3

*One cutting edge
Order example: 21 E 18 UN MT7

螺纹
铣削
系统

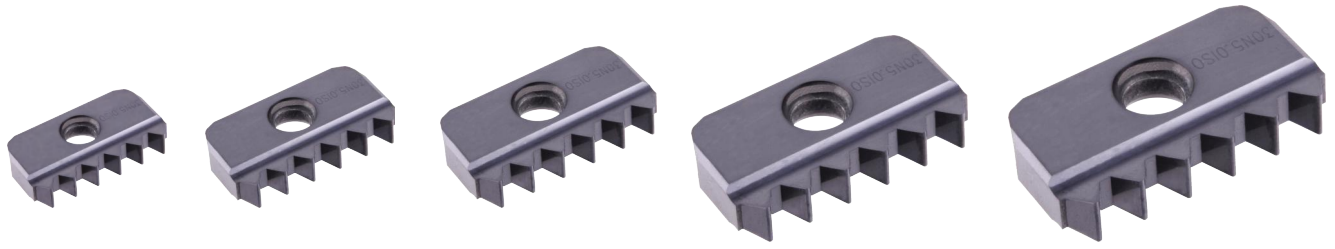
丝攻
板牙

整体
螺纹
铣刀

螺纹
铣刀
杆片
刀片

丝攻

板牙



12.. 14.. 21.. 30.. 40..

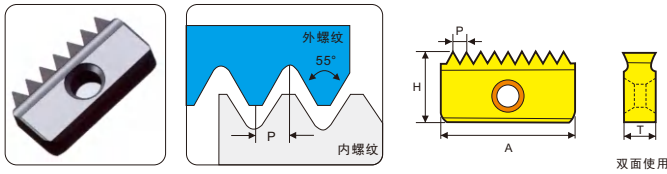
刀片式螺纹铣刀

Inserts Type Thread Milling Cutter

W-55° 英国惠氏螺纹刀

BSW,BSF,BSP

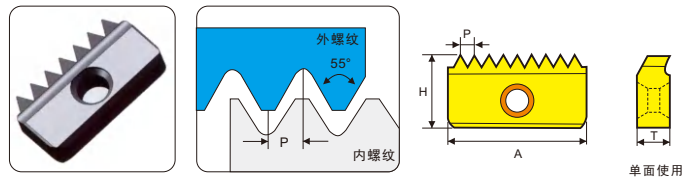
产品编码: 6063..



BSPT-55°英国标准锥管螺纹刀片

BSPT

产品编码: 6066..



加工螺距 Pitch	尺寸 Dimensions(mm)				
tpi	12	14	21	30	40
24		14-24 W			
20		14-20 W	21-20 W		
19	*12-19 W	14-19 W	21-19 W		
16		14-16 W	21-16 W	30-16 W	
14		14-14 W	21-14 W	30-14 W	
11		14-11 W	21-11 W	30-11 W	40-11 W
8					40-8W

加工螺距 Pitch	尺寸 Dimensions(mm)				
tpi	12	14	21	30	40
19	12-19 BSPT	14-19 BSPT			
14		14-14 BSPT	21-14 BSPT		
11			21-11 BSPT	30-11 BSPT	40-11 BSPT
H	6.3	7.5	12	16	20
T	2.9	3.1	4.7	5.5	6.3

Order example: 14-19 BSPT MT7
For conical preparation end mills see page 121

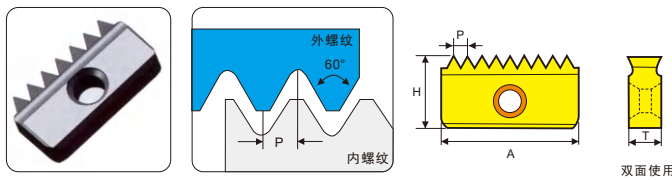
H	6.3	7.5	12	16	20
T	2.9	3.1	4.7	5.5	6.3

*One cutting edge
Order example: 21-11 W MT7

NPT-60° 美国标准锥管螺纹刀片

NPT

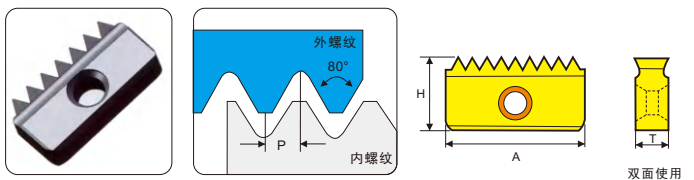
产品编码: 6068..



PG 螺纹刀片

PG-DIN 40430

产品编码: 6069..



加工螺距 Pitch	尺寸 Dimensions(mm)				
tpi	12	14	21	30	40
18	12-18 NPT	14-18 NPT			
14		14-14 NPT	21-14 NPT		
11.5			21-11.5 NPT	30-11.5 NPT	40-11.5 NPT
8				30-8 NPT	40-8 NPT
H	6.3	7.5	12	16	20
T	2.9	3.1	4.7	5.5	6.3

加工螺距 Pitch	尺寸 Dimensions(mm)		
tpi	14	21	30
18	14-18 PG (PG 9, 11, 13.5, 16)	21-18 PG (PG 16)	
16		21-16 PG (PG 21, 29, 36, 42, 48)	30-16 PG (PG 36, 42, 48)
H	7.5	12	16
T	3.1	4.7	5.5

Order example: 30-11.5 NPT MT7

Order example: 21-18 PG MT7



螺纹
铣削
系统

丝攻
板牙

整体
螺纹
铣刀

螺纹
铣刀
刀杆
刀片

丝攻

板牙



螺纹铣削系统

丝攻板牙

整体螺纹铣刀

螺纹铣刀杆刀片

丝攻

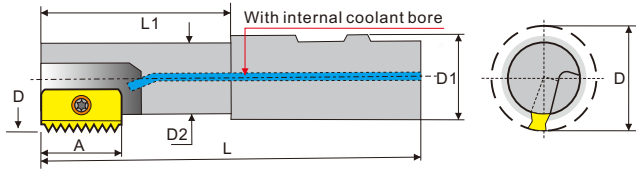
板牙

刀片式螺纹铣刀

Inserts Type Thread Milling Cutter

单刃螺纹铣刀杆

Single insert toolholders



型号	尺寸 Dimensions (mm)						刀片	螺钉	板手	订购编码	价格
Ordering Code	A	D	D1	D2	L	L1	Insert	Insert Screw	Torx Key	Order Number	Price (RMB)
* SR0009H12	12	9.5	20	7.5	85	14	12****	M2.5X7	T8	607100	
SRO010H12	12	9.9	20	7.6	85	16	12****	M2.5X7	T8	607102	
SR0012H14	14	12.0	20	8.9	85	20	14****	M3X8	T8	607104	
SR0014H14	14	14.5	20	11.2	85	25	14****	M3X8	T8	607106	
SR0017H14	14	17.0	20	13.4	85	30	14****	M3X8	T8	607108	
** SR0018H21	21	18.0	20	14.4	85	30	21****	M3.5X8	T15	607110	
SR0021H21	21	21.0	20	16.5	94	40	21****	M3.5X8	T15	607112	
SR0029J30	30	29.0	25	22.4	110	50	30****	M4X10	T15	607114	
SR0048M40	40	48.0	40	35.0	153	78	40****	M5X14	T20	607116	

Order example: SR0029J30

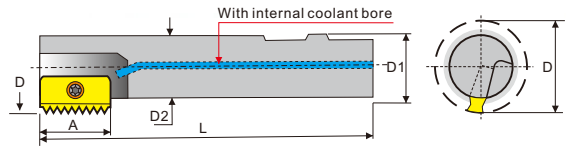
*For conic inserts: 12-18 NPT, 12-18 NPTF, 12-19 BSPT

** Cannot be used with the following inserts:

21 N 3.5 ISO, 211 8 UN, 211 7 UN, 21-11 BSPT, 21-11.5 NPT, 21-11.5 NPTF

单刃螺纹铣刀杆(加长型)

Single insert toolholders(long shank)



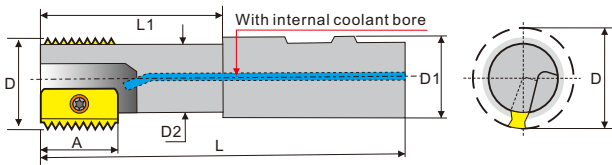
型号	尺寸 Dimensions (mm)				刀片	螺钉	板手	订购编码	价格
Ordering Code	A	D	D1	L	Insert	Insert Screw	Torx Key	Order Number	Price (RMB)
SR0025K21	21	25	20	125	21****	M3.5X8	T15	607200	
SR0031M30	30	31	25	150	30****	M4X10	T15	607202	
SR0038M30	30	38	32	150	30****	M4X10	T15	607204	
SR0048R40	40	48	40	210	40****	M5X14	T20	607206	

Order example: SR0031M30

For holders with long overhang reduce the cutting speed and feed rate between 20% to 40% (depends on workpiece material, pitch and overhang)

双刃螺纹铣刀杆

Twin insert toolholders

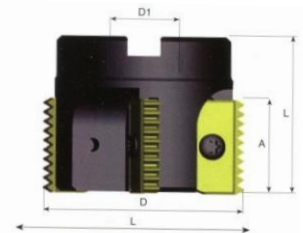


型号	尺寸 Dimensions (mm)						刀片	刃数	螺钉	板手	订购编码	价格
Ordering Code	A	D	D1	D2	L	L1	Insert	No. of Insert	Insert Screw	Torx Key	Order Number	Price (RMB)
SR0020H14-2	14	20	20	16	93	41	14****	2	M3X7	T8	607300	
SR0030J21-2	21	30	25	24	108	52	21****	2	M3.5X8	T15	607302	
SR0040L30-2	30	40	32	30	130	70	30****	2	M4X10	T15	607304	
SR0050M40-2	40	50	40	38	153	78	40****	2	M5X14	T20	607306	

Order example: SR0030J21-2

螺纹铣刀盘(多刃)

Multi Insert Toolholders



型号	尺寸 Dimensions (mm)				刀片	螺钉	板手	订购编码	价格
Ordering Code	A	D	D1	L	Insert	Insert Screw	Torx Key	Order Number	Price (RMB)
SR0063C21-5	21	63	22	50	21****	M3.5X7	T15	607400	
SR0063C30-4	30	63	22	50	30****	M4X10	T15	607402	
SR0080D30-4	30	80	27	55	30****	M4X10	T15	607404	
SR0100D30 4	30	100	32	60	30****	M4X10	T15	607406	
SR0080D40-4	40	80	27	65	40****	M5X14	T20	607408	
SR0100E40-4	40	100	32	70	40****	M5X14	T20	607410	

Order example: SR0080D30-4

螺纹
铣削
系统

丝攻
板牙

整体
螺纹
铣刀

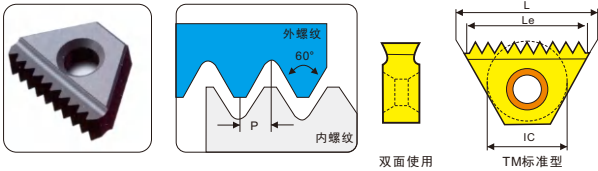
螺纹
铣刀
刀杆
刀片

丝攻

板牙

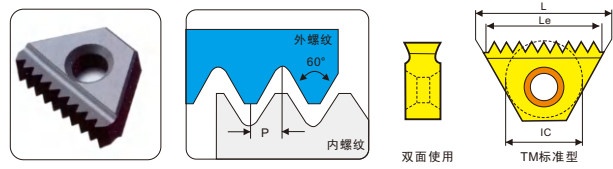
ISO标准型螺纹铣刀片

ISO Metric Full Profile 产品编码: 6031..



UN-60°美制统一标准螺纹铣刀片

UN-60° American UN Full Profile 产品编码: 6035..



加工螺距 Pitch	尺寸 Dimensions(mm)					
	L=10.4mm D=6.0mm	L=11mm D=1/4"	L=16mm D=3/8"	L=22mm D=3/8"B	L=27mm D=5/8"	L=38.5mm D=3/4"B
0.5	外Ext					
	内Int	TM6.0N0.5 ISO	TM2N0.5 ISO	TM3N0.5 ISO		
0.75	外Ext					
	内Int	TM6.0N0.75 ISO	TM2N0.75 ISO	TM3N0.75 ISO		
1.0	外Ext					
	内Int	TM6.0N1.0 ISO	TM2N1.0 ISO	TM3N1.0 ISO	TM3BE1.0 ISO	TM5E1.0 ISO
1.25	外Ext					
	内Int	TM6.0N1.25 ISO	TM2N1.25 ISO	TM3N1.25 ISO	TM3BN1.0 ISO	TM5N1.0 ISO
1.5	外Ext					
	内Int	TM6.0N1.5 ISO	TM2N1.5 ISO	TM3N1.5 ISO	TM3BE1.5 ISO	TM5E1.5 ISO
1.75	外Ext					
	内Int				TM3BN1.5 ISO	TM5N1.5 ISO
2.0	外Ext					
	内Int				TM3BE2.0 ISO	TM5E2.0 ISO
2.5	外Ext					
	内Int				TM3BN2.0 ISO	TM5N2.0 ISO
3.0	外Ext					
	内Int				TM5E2.5 ISO	TM6BE2.5 ISO
3.5	外Ext					
	内Int				TM5N2.5 ISO	TM6BN2.5 ISO
4.0	外Ext					
	内Int				TM5E3.0 ISO	TM6BE3.0 ISO
4.5	外Ext					
	内Int				TM5N3.0 ISO	TM6BN3.0 ISO
5.0	外Ext					
	内Int				TM5E3.5 ISO	TM6BE3.5 ISO
5.5	外Ext					
	内Int				TM5N3.5 ISO	TM6BN3.5 ISO
6.0	外Ext					
	内Int				TM5E4.0 ISO	TM6BE4.0 ISO

加工螺距 Pitch	尺寸 Dimensions(mm)						
	TPI	L=10.4mm D=6.0mm	L=11mm D=1/4"	L=16mm D=3/8"	L=22mm D=3/8"B	L=27mm D=5/8"	L=38.5mm D=3/4"B
48	外Ext						
	内Int				TM2N48 UN		
40	外Ext						
	内Int				TM2N40 UN	TM3N40 UN	
32	外Ext						
	内Int				TM6.0N32 UN	TM2N32 UN	TM3N32 UN
28	外Ext						
	内Int				TM2E28 UN	TM3E28 UN	
27	外Ext						
	内Int				TM6.0N28 UN	TM2N28 UN	TM3N28 UN
26	外Ext						
	内Int				TM2E27 UN	TM3E27 UN	
24	外Ext						
	内Int				TM2N27 UN	TM3N27 UN	
20	外Ext						
	内Int				TM6.0N20 UN	TM2N20 UN	TM3N20 UN
18	外Ext						
	内Int				TM2E20 UN	TM3E20 UN	TM5E20 UN
16	外Ext						
	内Int				TM6.0N16 UN	TM2N16 UN	TM3N16 UN
14	外Ext						
	内Int				TM2E18 UN	TM3E18 UN	TM5E18 UN
13	外Ext						
	内Int				TM6.0N18 UN	TM2N18 UN	TM3N18 UN
12	外Ext						
	内Int				TM2E16 UN	TM3E16 UN	TM5E16 UN
11.5	外Ext						
	内Int				TM6.0N16 UN	TM2N16 UN	TM3N16 UN
11	外Ext						
	内Int				TM2E14 UN	TM3E14 UN	TM5E14 UN
10	外Ext						
	内Int				TM6.0N16 UN	TM2N16 UN	TM3N16 UN
9	外Ext						
	内Int				TM2E13 UN	TM3E13 UN	TM5E13 UN
8	外Ext						
	内Int				TM6.0N16 UN	TM2N16 UN	TM3N16 UN
7	外Ext						
	内Int				TM2E12 UN	TM3E12 UN	TM5E12 UN
6	外Ext						
	内Int				TM6.0N16 UN	TM2N16 UN	TM3N16 UN
5	外Ext						
	内Int				TM2E11.5 UN	TM3E11.5 UN	TM5E11.5 UN
4.5	外Ext						
	内Int				TM6.0N16 UN	TM2N16 UN	TM3N16 UN
4	外Ext						
	内Int				TM2E10 UN	TM3E10 UN	TM5E10 UN

螺纹
铣削
系统

丝攻
攻板
牙

整体
螺纹
铣刀

螺纹
铣刀
杆片
刀片

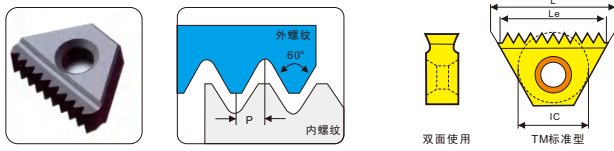
丝攻
攻板
牙

刀片式螺纹铣刀

Inserts Type Thread
Milling Cutter

UNJ 美制航空航天机械螺纹铣刀片

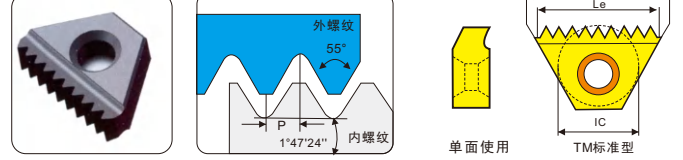
UNJ Aviation Thread 产品编码: 6041..



加工螺距 Pitch	尺寸 Dimensions(mm)			
	L=10.4mm D=6.0mm	L=11mm D=1/4"	L=16mm D=3/8"	L=27mm D=5/8"
24	外Ext	TM6.0N24 UNJ	TM2E24 UNJ	TM3E24 UNJ
	内Int		TM2N24 UNJ	TM3N24 UhU
20	外Ext		TM2E20 UNJ	TM3E20 UNJ
	内Int	TM6.0N20 UNJ	TM2N20 UNJ	R13N20 UNJ
18	外Ext			TM3E18 UNJ
	内Int	TM6.0N18 UNJ	TM2N18 UNJ	TM3N18 UhU
16	外Ext		TM2E16 UNJ	TM3E16 UNJ
	内Int	TM6.0N18 UNJ	TM2N16 UNJ	TM3N16 UNJ
14	外Ext		TM2E14 UNJ	TM3E14 UNJ
	内Int		TM2N14 UNJ	TM3N14 UNJ
13	外Ext			TM3E13 UNJ
	内Int			TM3N13 UNJ
12	外Ext		TM3E12 UNJ	TM5E12 UNJ
	内Int		TM3N12 UhU	TM5N12 UNJ
11	外Ext		TM3E11 UNJ	TM5E11 UNJ
	内Int		TM3N11 UNJ	TM5N11 UNJ

BSPT 英国标准锥管螺纹铣刀片

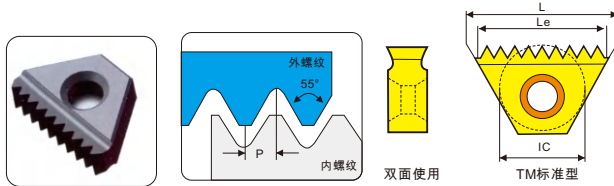
BSPT-55° 产品编码: 6043..



加工螺距 Pitch	尺寸 Dimensions(mm)		
	L=11mm D=1/4"	L=16mm D=3/8"	L=27mm D=5/8"
19	TM2-19 BSPT		
14		TM3-14 BSPT	
11		TM3-11 BSPT	TM5-11 BSPT

W-55° 英制惠氏螺纹铣刀片

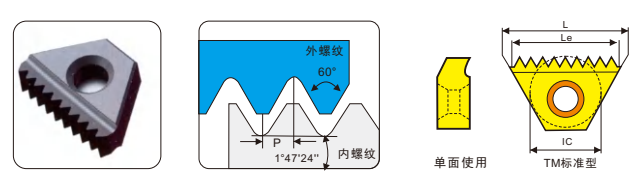
W-55° Whitworth Full Profile 产品编码: 6033..



加工螺距 Pitch	尺寸 Dimensions(mm)					
	L=10.4mm D=6.0mm	L=11mm D=1/4"	L=16mm D=3/8"	L=22mm D=3/8"B	L=27mm D=5/8"	L=38.5mm D=3/4"B
28	外Ext	TM6.0E28 W	TM2E28 W			
	内Int	TM6.0N28 W	TM2N28 W			
26	外Ext	TM6.0E26 W	TM2E26 W	TM3E26 W		
	内Int	TM6.0N26 W	TM2N26 W	TM3N26 W		
24	外Ext	TM6.0E24 W	TM2E24 W	TM3E24 W	TM3BE24 W	
	内Int	TM6.0N24 W	TM2N24 W	TM3N24 W	TM3BN24 W	
20	外Ext	TM6.0E20 W	TM2E20 W	TM3E20 W	TM3BE20 W	
	内Int	TM6.0N20 W	TM2N20 W	TM3N20 W	TM3BN20 W	
19	外Ext	TM6.0E19 W	TM2E19 W	TM3E19 W	TM3BE19 W	
	内Int	TM6.0N19 W	TM2N19 W	TM3N19 W	TM3BN19 W	
18	外Ext			TM3E18 W	TM3BE18 W	
	内Int			TM3N18 W	TM3BN18 W	
16	外Ext			TM3E16 W	TM3BE16 W	TM5E16 W
	内Int			TM3N16 W	TM3BN16 W	TM5N16 W
14	外Ext		TM2E14 W	TM3E14 W	TM3BE14 W	TM5E14 W
	内Int		TM2N14 W	TM3N14 W	TM3BN14 W	TM5N14 W
12	外Ext		TM3E12 W	TM3BE12 W	TM5E12 W	
	内Int		TM3N12 W	TM3BN12 W	TM5N12 W	
11	外Ext		TM3E11 W	TM3BE11 W	TM5E11 W	6BE11 W
	内Int		TM3N11 W	TM3BN11 W	TM5N11 W	6BN11 W
10	外Ext			TM5E10 W		
	内Int			TM5N10 W		
9	外Ext			TM5E9 W		
	内Int			TM5N9 W		
8	外Ext			TM5E8 W		
	内Int			TM5N8 W		
7	外Ext			TM5E7 W		
	内Int			TM5N7 W		
6	外Ext			TM5E6 W	TM6BE6 W	
	内Int			TM5N6 W	TM6BN6 W	
5	外Ext			TM6BE5 W	TM6BN5 W	
	内Int			TM6BN5 W	TM6BN5 W	
4.5	外Ext			TM6BE4.5 W	TM6BN4.5 W	
	内Int			TM6BN4.5 W	TM6BN4.5 W	

NPT 美国标准锥管螺纹铣刀片

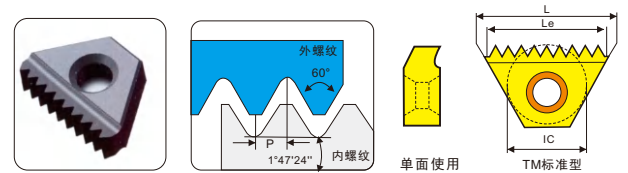
NPT-60° National Pipe Threads 产品编码: 6037..



加工螺距 Pitch	尺寸 Dimensions(mm)			
	L=16mm D=3/8"	L=22mm D=3/8"B	L=27mm D=5/8"	L=38.5mm D=3/4"B
18	TM3E18 NPT			
14	TM3-14 NPT	TM3B-14 NPT		
11.5	TM3-11.5 NPT	TM3B-11.5 NPT	TM5-11.5 NPTF	TM6B-11.5 NPT
8			TM5-8 NPTF	TM6B-8 NPT

NPTF 美制干密封螺纹铣刀片

NPTF(Dry seal) 产品编码: 6039..



加工螺距 Pitch	尺寸 Dimensions(mm)			
	L=16mm D=3/8"	L=22mm D=3/8"B	L=27mm D=5/8"	L=38.5mm D=3/4"B
14	TM3-14 NPTF	TM3B-14 NPTF		
11.5	TM3-11.5 NPTF	TM3B-11.5 NPTF	TM5-11.5 NPTF	TM6B-11.5 NPTF
8			TM5-8 NPTF	TM6B-8 NPTF

螺纹
铣削
系统

丝攻
板牙

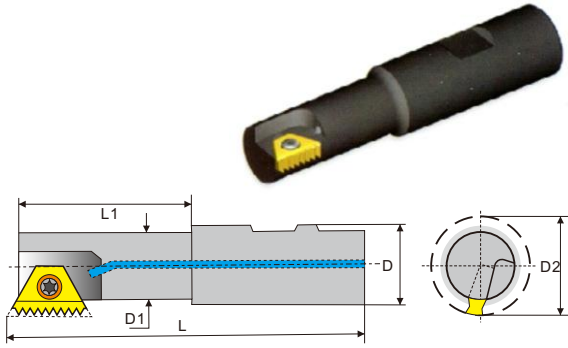
整体
螺纹
铣刀

螺纹
铣刀
刀杆
刀片

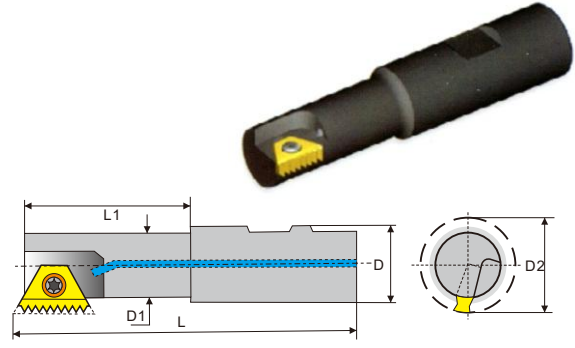
丝攻

板牙

螺纹铣刀杆 Threading Milling Tool Holders



螺纹铣刀杆 Threading Milling Tool Holders

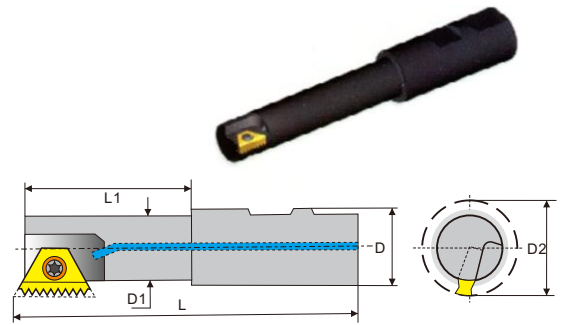
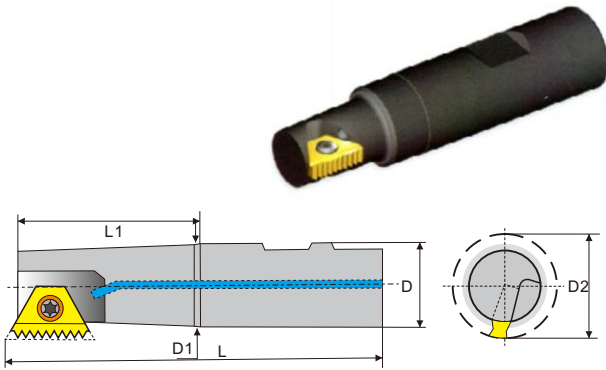


型号	尺寸 Dimensions (mm)					通用刀片	刀片螺钉	扳手	订购编码	价格
Ordering Code	L	L1	D	D1	D2	Insert	Insert Screw	Wrench	Order Number	Price (RMB)
STM6.0-C20 124/003	85	15	20	6.7	9	6.0****	M2.2X5	T7	605100	
STM2-C20 124/005	77	15.5	20	7.4	10	6.0****	M2.2X5	T7	605102	
STM2-C20 124/006	77	15.5	20	9	12	2****	M3X7	T8	605104	
STM2-C20 124/009	77	15.5	20	7.4	10	2****	M3X7	T8	605106	
STM3-C16 124/001	91	20.5	16	12.2	15.5	3****	M3.5X8	T15	605108	
STM4-C25 124/002	88	30	25	13.4	18	3****	M3.5X8	T15	605110	
STM4-C25 124/007	98	40	25	16	20	3B****	M3.5X8	T15	605112	
STM5-C25 124/004	98	40	25	19	25	3B****	M3.5X8	T15	605114	
STM5-C25 124/008	98	40	25	16.4	22	3B****	M3.5X8	T15	605116	

型号	尺寸 Dimensions (mm)					通用刀片	刀片螺钉	扳手	订购编码	价格
Ordering Code	L	L1	D	D1	D2	Insert	Insert Screw	Torx Key	Order Number	Price (RMB)
STM6.0-C12	69	12	12	6.8	9	6.0****	M2.2X5	T7	605300	
STM6.0-C20	84	17	20	6.8	9	6.0****	M2.2X5	T7	605302	
STM2-C12	70	12	12	8.9	11.5	2****	M3X7	T9	605304	
STM2-C20	85	20	20	8.9	11.5	2****	M3X7	T8	605306	
STM3-C16	90	22	16	13.6	17	3****	M3.5X8	T15	605308	
STM3-C20	95	43	20	16.6	20	3****	M3.5X8	T15	605310	
SBTM3B-C16	79.5	29	16	13.5	17	3B****	M3.5X8	T15	605312	
SBTM3B-C20	81.5	29	20	15.5	19	3B****	M3.5X8	T15	605314	
SBTM3B-C25	92.3	30	25	15.5	19	3B****	M3.5X8	T15	605316	
SBTMW3B-C25	90.8	30	25	18.5	22	3B****	M3.5X8	T15	605318	
STM5-C25	110	52	25	24	30	5****	M5X14	T20	605320	
STM5-C25LH	110	52	25	24	30	5****	M5X14	T20	605322	
STM5-C32	120	58	32	31	37	5****	M5X14	T20	605324	
STM6B-C32	115	53	32	27	35	6B****	M7X15	T25	605326	
STM6B-C40	135	63	40	38	46	6B****	M7X15	T25	605328	

螺纹铣刀杆 Threading Milling Tool Holders

螺纹铣刀杆 Threading Milling Tool Holders



右刀杆	左刀杆	尺寸 Dimensions (mm)					通用刀片	刀片螺钉	扳手	订购编码	单价
Right Hand	Left Hand	L	L1	D	D1	D2	Insert	Insert Screw	Torx Key	Order Number	Price (RMB)
STMN3-C16	STMN3-C16LH	125	17	25	8.9	11.5	2****	M3X7	T8	605200	
STMN3-C20	STMN3-C20LH	125	25	25	18.6	22	3****	M3.5X8	T15	605202	
SBTMN3N-C16	SBTMN3N-C16LH	125	63.5	25	18.6	22	3****	M3.5X8	T15	605204	
SBTMN3B-C20	SBTMN3B-C20LH	96.5	44	20	15.5	19	3B****	M3.5X8	T15	605206	
SBTMN5-C32	SBTMN5-C32LH	125	63.5	25	18.6	22	3B****	M3.5X8	T15	605208	

型号	尺寸 Dimensions (mm)					通用刀片	刀片螺钉	扳手	订购编码	价格
Ordering Code	L	L1	D	D1	D2	Insert	Insert Screw	Torx Key	Order Number	Price (RMB)
STML2-C25	125	17	25	8.9	11.5	2****	M3X7	T8	605400	
STML3-C25	125	25	25	18.6	22	3****	M3.5X8	T15	605402	
SBTML3-C25	125	63.5	25	18.6	22	3****	M3.5X8	T15	605404	
SBTML3B-C20	96.5	44	20	15.5	19	3B****	M3.5X8	T15	605406	
SBTML3B-C25	125	63.5	25	18.6	22	3B****	M3.5X15	T15	605408	
STML5-C25	150	92	25	24	30	5****	M5X14	T20	605410	
STML5-C32	160	98	32	31	37	5****	M5X14	T20	605412	
STML6B-C40	165	93	40	38	46	6B****	M7X15	T25	605414	

螺纹铣削系统

丝攻板牙

整体螺纹铣刀

螺纹铣刀杆刀片

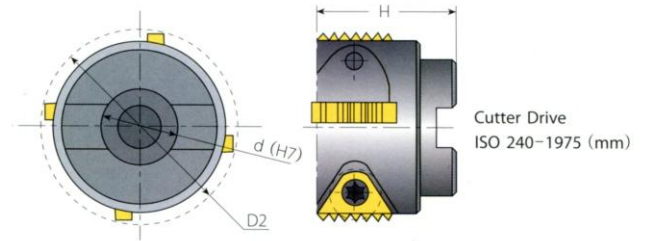
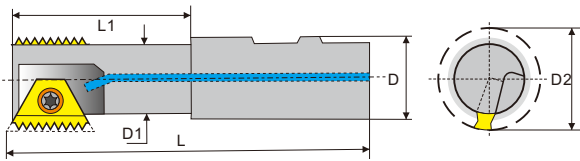
丝攻板牙

刀片式螺纹铣刀

Inserts Type Thread Milling Cutter

螺纹铣刀杆 Threading Milling Tool Holders

螺纹铣刀杆 Threading Milling Tool Holders



型号 Ordering Code	尺寸Dimensions (mm)					适用刀片 Insert	刀片螺钉 Insert Screw	板手 Torx Key	订购编码 Order Number	价格 Price (RMB)
	L	L1	D	D1	D2					
2STM2-C20	85	20	20	14.4	17	6.0****	M2.2X5	T7	605500	
2STM3-C25	100	43	25	22.5	26	6.0****	M2.2X5	T7	605502	
2SBTM3B-C25	104.2	46	25	22.5	26	2****	M3X7	T8	605504	
2STM5-C32	120	45	32	36	42	2****	M3X7	T8	605506	
2STM6B-C40	137.2	65	40	44	52	3****	M3.5X8	T15	605508	

型号 Ordering Code	刀片数量 No. of insert	尺寸 Dimensions (mm)			适用刀片 Insert	刀片螺钉 Insert Screw	板手 Torx Key	订购编码 Order Number	单价 Price (RMB)
		D2	d(H7)	H					
SHTM2-D38-16	6	38	16	40	2****	M3X7	T8	605600	
SHTM2-D50-22	8	50	22	40	2****	M3X7	T8	605602	
SHTM3-D50-22	6	50	22	40	3****	M3.5X8	T15	605604	
SHTM3B-D63-22	6	63	22	40	3B****	M3.5X8	T15	605606	
SHTM5-D63-22	4	63	22	45	5****	M5X14	T20	605608	
SHTM6B-D63-22	4	63	22	50	6B****	M7X15	T25	605610	
SHTM5-D80-27	6	80	27	50	5****	M5X14	T20	605612	
SHTM6B-D80-27	5	80	27	50	6B****	M7X15	T25	605614	
SHTM5-D100-32	7	100	32	55	5****	M5X14	T20	605616	
SHTM6B-D100-32	6	100	32	55	6B****	M7X15	T25	605618	
SHTM5-D125-40	9	125	40	63	5****	M5X14	T20	605620	
SHTM6B-D125-40	8	125	40	63	6B****	M7X15	T25	605622	

螺纹
铣削
系统

丝攻
板牙

整体
螺纹
铣刀

螺纹
铣刀
刀杆
刀片

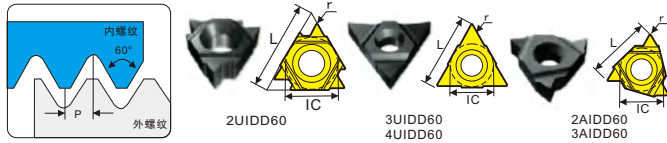
丝攻

板牙

60° 深孔加工螺纹铣刀片

Thread Mill for Deep Holes

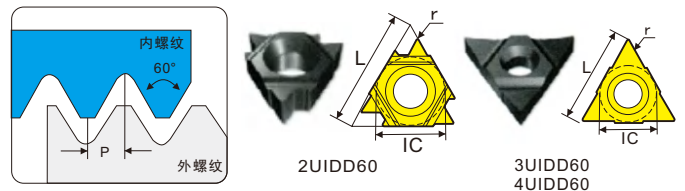
产品编码: 6081. .



60° 深孔加工螺纹铣刀片

Thread Mill for Deep Holes

产品编码: 6083. .

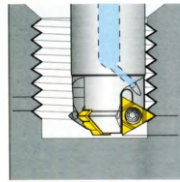


型号 Ordering Code	材质 Material Code			加工螺距范围		尺寸 Dimensions (mm)			刀杆 toolholder	
	ZK 01	ZP 15	ZM 856	mm	tpi	IC	L	r		
2UIDA60 TM***	○	○	○	0.5-1.5	48-16	1/4"	11		SMT.SC***2U	
2UIDB60 TM***	○	○	○	1.5-2.0	16-12				SMT.SC*2U	
2UIDD60 TM***	○	○	○	2.0-2.5	9-12				SMT2SC 14C17-65-2U	
2UIDM60 TM***	○	○	○	2.5	10				SMT2SC 14C17-65-2U	
2UIDC60 TM***	○	○	●	2.5-4.0	10-6	3/8"	16		SMT.SC***2U CTM.SC***2U	
3UIDB60 TM***	○	○	○	1.5-2.0	16-12				SMT.SC***3U	
3UIDE60 TM***	○	○	○	2.5-3.5	10-7				SMT.SC***3U	
3UIDH60 TM***	○	○	○	4.0-6.0	6-4	1/2"	22		SMT.SC D***4U	
4UIDX60 TM***	○	○	○	6.0-8.0	4-3				SMT.SC***2A	
2AIDP60 TW***	○	○	●	1.5-3.0	16-8	1/4"	11		SMT.SC***2A	
3AIDT60 TM***	○	○	○	2.0-4.0	12-6	3/8"	16		SMT.SC***3A	

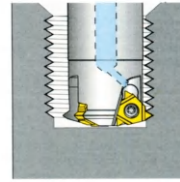
型号 Ordering Code	材质 Material Code			加工螺距范围		尺寸 Dimensions (mm)			刀杆 toolholder	
	ZK 01	ZP 15	ZM 856	mm	tpi	IC	L	r		
2UIDA60 TM***	○	○	○	0.5-1.5	48-16	1/4"	11		SMT.SC***2U	
2UIDB60 TM***	○	○	○	1.5-2.0	16-12				SMT.SC*2U	
2UIDD60 TM***	○	○	○	2.0-2.5	9-12				SMT2SC 14C17-65-2U	
2UIDM60 TM***	○	○	○	2.5	10				SMT2SC 14C17-65-2U	
2UIDC60 TM***	○	○	●	2.5-4.0	10-6	3/8"	16		SMT.SC***2U CTM.SC***2U	
3UIDB60 TM***	○	○	○	1.5-2.0	16-12				SMT.SC***3U	
3UIDE60 TM***	○	○	○	2.5-3.5	10-7				SMT.SC***3U	
3UIDH60 TM***	○	○	○	4.0-6.0	6-4	1/2"	22		SMT.SC D***4U	
4UIDX60 TM***	○	○	○	6.0-8.0	4-3				SMT.SC***2A	
2AIDP60 TW***	○	○	●	1.5-3.0	16-8	1/4"	11		SMT.SC***2A	
3AIDT60 TM***	○	○	○	2.0-4.0	12-6	3/8"	16		SMT.SC***3A	

深孔加工螺纹铣刀具 (U型)

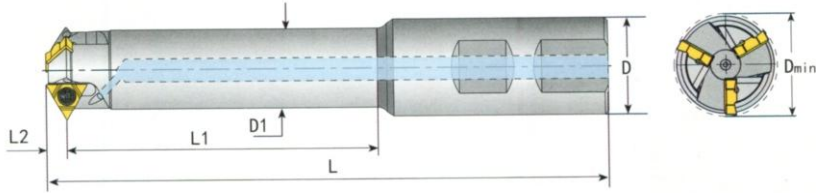
Thread Milling holder For Deep Holes



U型适用于大螺距
For large pitches



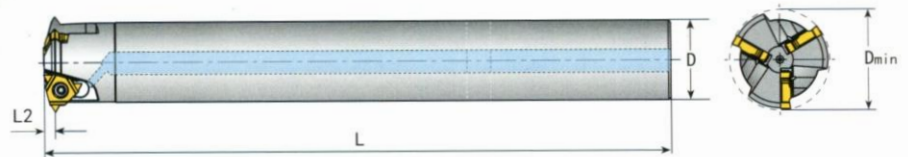
A型适用于小螺距以及
退刀槽较短的情况
For short pitches



型号 Ordering Code	尺寸 Dimensions (mm)						刃数 No. of Insert	适用刀片 Insert	螺钉 Insert Screw	板手 Torx Key	产品编码 Order Number	价格 (RMB) Price
SMT1SC 16W15-40-2U	95	40	5.4	16	11	14.75*	1	2UID***	M2.5X6	T8	609100	
SMT2SC 25W21-60-2U	123	60		25	16	20.65*	2				609102	
SMT2SC 25W23-70-2U	135	70		25	17.7	23	2				609104	
SMT3SC 25W26-80-2U	147	80		25	20.4	26	3				609106	
SMT4SC 32W31-95-2U	164	95	8.0	32	25.7	31	4	3UID***	M3.5X10	T15	609108	
SMT3SC 32W36-95-3U	166	95		32	29	36.5	3				609110	
SMT4SC 40W42-120-3U	201	120		40	34.2	42	4				609112	

深孔加工螺纹铣刀具 (A型)

Thread Milling holder for Deep Holes



型号 Ordering Code	尺寸 Dimensions (mm)				刃数 No. of Insert	适用刀片 Insert	刀片螺钉 Insert Screw	板手 Torx Key	产品编码 Order Number	价格 (RMB) Price
SMT3SC 20C26-105-2A	105	3.0	20	26	3	2UID***	M2.5X6	T8	609200	
SMT3SC 28C35-144-3A	144	4.0	28	35	3	3UID***	M3.5X8	T15	609202	

螺纹铣削系统
丝攻板牙

整体螺纹铣刀

螺纹铣刀刀杆刀片

丝攻

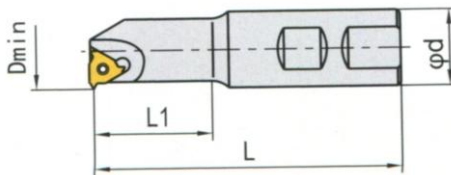
板牙

刀片式螺纹铣刀

Inserts Type Thread Milling Cutter

单刃螺纹铣刀

Indexable Threading Mills



型号	尺寸 Dimensions (mm)				刀片	刀片螺钉	板手	产品编码	价格
Ordering Code	Dmin	φd	L1	L	Insert	Insert Screw	Torx Key	Order Number	(RMB) Price
SMT10-10F08	10	10	25	80	08IR..	M2.2X5	T6		
SMT12-12F11	12	12	25	80	11IR..	M2.5X6	T8		
SMT14-14K11	14	14	40	125	11IR..	M2.5X6	T8		
SMT16-16K16	16	16	40	125	16IR..	M3.5X8	T15		
SMT16-20K16	16	20	40	125	16IR..	M3.5X8	T15		
SMT18-18K16	18	18	40	125	16IR..	M3.5X8	T15		
SMT18-20K16	18	20	40	125	16IR..	M3.5X8	T15		
SMT20-20K16	20	20	40	125	16IR..	M3.5X8	T15		
SMT25-25M16	25	25	65	150	16IR..	M3.5X8	T15		
SMT25-25M22	25	25	65	150	22IR..	M4.5X12	T20		
SMT32-32R16	32	32	110	200	16IR..	M3.5X8	T15		
SMT32-32R22	32	32	110	200	22IR..	M4.5X12	T20		
SMT35-32S16	35	32	110	250	16IR..	M3.5X8	T15		
SMT35-32S22	35	32	110	250	22IR..	M4.5X12	T20		

● 订货示例：1件 SMT18-20KIF1

Ordering example: 1pc, SMT18-20Kie

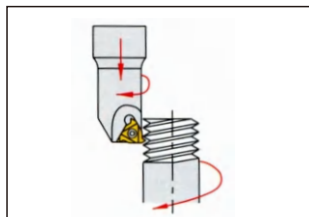
刀片使用：加工外螺纹：16NR**

加工内螺纹：16NT**

Insert information: External threading inserts: 16NR **

Internal threading inserts: 16NR **

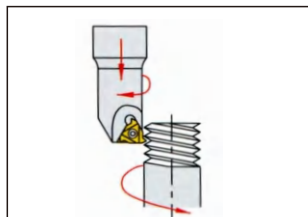
外螺纹铣削方法 External thread milling method



右旋螺纹 -R Right Hand-R

顺时针进给, 顺铣 CW.Feed and Milling

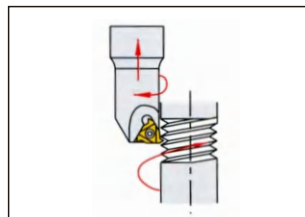
刀片Insert:16NR****



左旋螺纹 -L Left Hand-L

逆时针进给, 逆铣 CCW.Feed and Milling

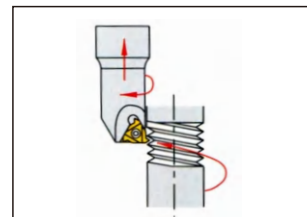
刀片Insert:16NR****



右旋螺纹 -R Right Hand-R

顺时针进给, 逆铣 CW.Feed and CCW Milling

刀片Insert:16NR****

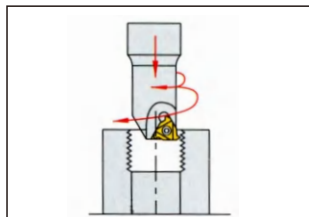


左旋螺纹 -L Left Hand-L

逆时针进给, 顺铣 CW.Feed and CW Milling

刀片Insert:16NR****

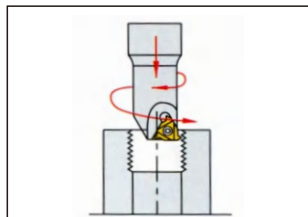
内螺纹铣削方法 Internal thread milling method



右旋螺纹 -R Right Hand-R

顺时针进给, 顺铣 CW.Feed and Milling

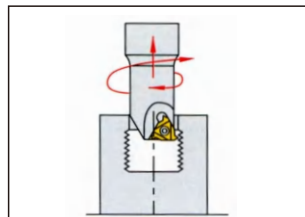
刀片Insert:16NR****



左旋螺纹 -L Left Hand-L

逆时针进给, 逆铣 CCW.Feed and Milling

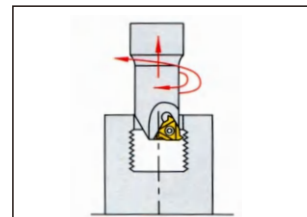
刀片Insert:16NR****



右旋螺纹 -R Right Hand-R

顺时针进给, 逆铣 CW.Feed and CCW Milling

刀片Insert:16NR****



左旋螺纹 -L Left Hand-L

逆时针进给, 顺铣 CW.Feed and CW Milling

刀片Insert:16NR****

螺纹
铣削
系统

丝攻
板牙

整体
螺纹
铣刀

螺纹
铣刀
刀杆
刀片

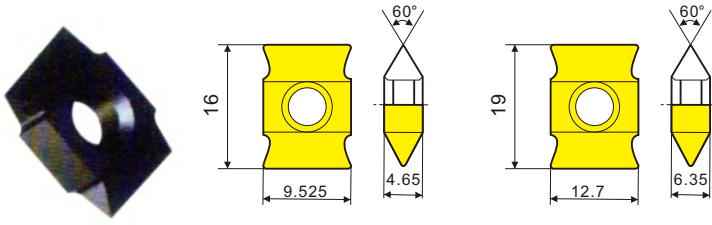
丝攻

板牙

旋风铣螺纹刀片

Partial Profile Thread Milling Inserts

产品编码: 6085..



名称 Name	刀片型号 Designation	材质 Material Code		
		ZK 110	ZP 153	ZP 15
60°通用螺纹刀片 Partial Profile 60°	SV1906		○	●
60°通用螺纹刀片 Partial Profile 60°	SV1604		○	●

● 常备库存（主推） Stock standard(main) ○ 一般库存 Stock standard

订货示例: SV1604 ZP5 10片 Ordering example:SV1604 ZP15 10pcs

螺纹
铣削
系统

丝攻
板牙

整体
螺纹
铣刀

螺纹
铣刀
刀杆
刀片

丝攻

板牙

螺纹
铣削
系统

丝攻
板牙

整体
螺纹
铣刀

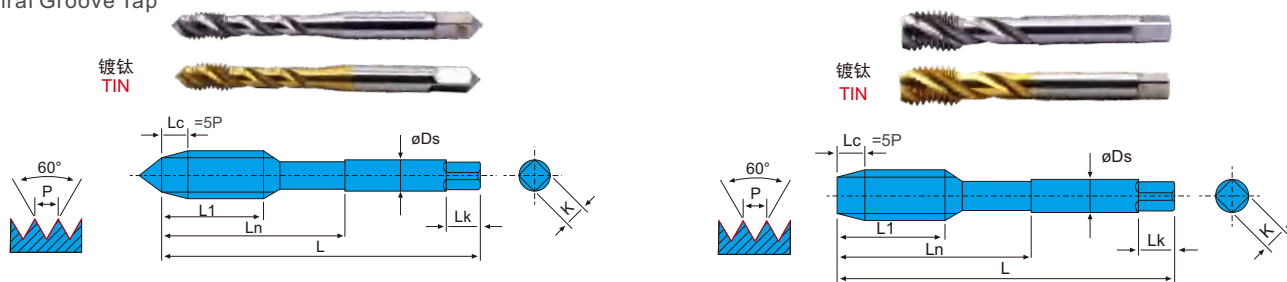
螺纹
铣刀
刀杆
刀片

丝攻

板牙

JIS-SP螺旋槽丝锥

Spiral Groove Tap



向上排屑适合盲孔加工，钢，不锈钢，铸铁通用。

Upward chip removal is suitable for blind hole processing, steel, stainless steel and cast iron.

单位(Unit): mm

丝锥 Tap Size	精度 Limit	钻头 Drill	全长 L	刃长 L1	颈长 Ln	柄径 øDs	四方 K	方长 Lk	
M1.0×	0.25	P1	0.75	36	4.0	-	3	2.5	5
	0.2	P1	0.8	36	4.0	-	3	2.5	5
M1.1×	0.25	P1	0.85	36	4.5	-	3	2.5	5
	0.2	P1	0.9	36	4.5	-	3	2.5	5
M1.2×	0.25	P1	0.95	36	5.5	-	3	2.5	5
	0.2	P1	1.0	36	4.5	-	3	2.5	5
M1.4×	0.3	P1	1.1	36	6.0	-	3	2.5	5
	0.2	P1	1.2	36	4.5	-	3	2.5	5
M1.6×	0.35	P1	1.25	36	6.0	-	3	2.5	5
	0.2	P1	1.4	36	4.5	-	3	2.5	5
M1.7×	0.35	P1	1.35	36	7.0	-	3	2.5	5
	0.2	P1	1.5	36	4.5	-	3	2.5	5
M1.8×	0.35	P1	1.45	42	10	-	3	2.5	5
	0.2	P1	1.6	42	4.5	-	3	2.5	5
M2.0×	0.4	P1	1.6	42	9	12	3	2.5	5
	0.25	P1	1.75	42	8	12	3	2.5	5
M2.2×	0.45	P1	1.75	42	11	12	3	2.5	5
	0.25	P1	1.95	42	8	12	3	2.5	5
M2.3×	0.4	P1	1.9	42	12	12	3	2.5	5
	0.25	P1	2.05	42	8	12	3	2.5	5
M2.5×	0.45	P1	2.05	46	10	14	3	2.5	5
	0.35	P1	2.15	46	10	14	3	2.5	5
M2.6×	0.45	P1	2.15	46	10	14	3	2.5	5
	0.35	P1	2.25	46	10	14	3	2.5	5
M3.0×	0.5	P1	2.5	46	10.5	14	4	3.2	6
	0.35	P1	2.65	46	12	14	4	3.2	6
M3.5×	0.6	P1	2.9	52	13	16	5	4.0	7
	0.35	P1	3.15	52	10	16	5	4.0	7
M4.0×	0.7	P2	3.3	52	14	19	5	4	7
	0.5	P1	3.5	55	14	19	5	4	7
M4.5×	0.75	P2	3.8	55	16	24	5.5	4.5	7
	0.5	P1	4.0	55	12	19	5.5	4.5	7
M5.0×	0.8	P2	4.2	62	16	24	5.5	4.5	7
	0.5	P1	4.5	62	16	25	5.5	4.5	7
M5.5×	0.5	P1	5.0	63	18	24	6	4.5	7
	M6.0×	1.0	P2	5.0	67	18	30	6	4.5
0.75		P2	5.3	67	18	30	6	4.5	7
0.5	P1	5.5	68	20	28	6	4.5	7	

丝锥 Tap Size	精度 Limit	钻头 Drill	全长 L	刃长 L1	柄径 øDs	四方 K	方长 Lk	
M7.0×	1.0	P2	6.0	70	23	6.2	5	8
	0.75	P2	6.3	70	22	6.2	5	8
M8.0×	0.5	P2	6.4	70	13	6.2	5	8
	1.25	P2	6.8	70	22	6.2	5	8
	1.0	P2	7.0	70	22	6.2	5	8
M9.0×	0.75	P2	7.3	70	22	6.2	5	8
	0.5	P2	7.5	70	13	6.2	5	8
	1.25	P2	7.8	75	25	7	5.5	8
M10×	1.0	P2	8.0	75	25	7	5.5	8
	0.75	P2	8.3	75	25	7	5.5	8
	1.5	P2	8.5	75	25	7	5.5	8
M11×	1.25	P2	8.8	75	25	7	5.5	8
	1.0	P2	9.0	75	25	7	5.5	8
	0.75	P2	9.3	75	25	7	5.5	8
M12×	0.5	P2	9.5	75	15	7	5.5	8
	1.5	P2	9.6	82	29	8.5	6.5	9
	1.0	P2	10.0	82	29	8.5	6.5	9
M13×	0.75	P2	10.2	82	29	8.5	6.5	9
	1.75	P2	10.2	82	29	8.5	6.5	9
	1.5	P2	10.5	82	29	8.5	6.5	9
M14×	1.25	P2	10.8	82	29	8.5	6.5	9
	1.0	P2	11.0	82	29	8.5	6.5	9
	0.75	P2	11.3	82	29	8.5	6.5	9
M15×	0.5	P2	11.5	82	12	8.5	6.5	9
	1.75	P2	11.2	88	26	10.5	8	11
	1.0	P2	12.0	88	26	10.5	8	11
M16×	2.0	P2	12.0	88	30	10.5	8	11
	1.5	P2	12.5	88	30	10.5	8	11
	1.25	P2	12.8	88	30	10.5	8	11
M17×	1.0	P2	13.0	88	30	10.5	8	11
	2.0	P2	13.0	95	33	12.5	10	13
	1.5	P2	13.5	95	33	12.5	10	13
M18×	1.0	P2	14.0	95	33	12.5	10	13
	2.0	P2	14.0	95	32	12.5	10	13
	1.5	P2	14.5	95	32	12.5	10	13
M19×	1.0	P2	15.0	95	32	12.5	10	13
	1.5	P2	15.5	100	33	14	11	14
	1.0	P2	16.0	100	33	14	11	14
M20×	2.5	P3	15.5	100	37	14	11	14
	2.0	P3	16.0	100	37	14	11	14
	1.5	P2	16.5	100	37	14	11	14
M21×	1.0	P2	17.0	100	18	14	11	14
	2.5	P3	16.5	105	37	15	12	15
	1.5	P3	17.5	105	37	15	12	15
M22×	1.0	P2	18.0	105	18	15	12	15
	2.5	P3	17.5	105	37	15	12	15
	2.0	P3	18.0	105	37	15	12	15
M23×	1.5	P3	18.5	105	37	15	12	15
	1.0	P2	19.0	105	18	15	12	15
	2.5	P3	19.5	115	38	17	13	16
M24×	2.0	P3	20.0	115	38	17	13	16
	1.5	P3	20.5	115	38	17	13	16
	1.0	P2	21.0	115	19	17	13	16

👉 螺纹底孔(Threaded Bottom Hole): L51

螺纹
铣削
系统

丝攻
板牙

整体
螺纹
铣刀

螺纹
铣刀
杆
刀片

丝攻

板牙

JIS-SP螺旋槽丝锥

Spiral Groove Tap

镀钛
TIN

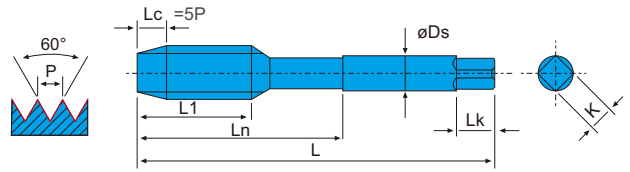


🔪 螺纹底孔(Threaded Bottom Hole): L51

向上排屑适合盲孔加工, 钢, 不锈钢, 铸铁通用。

Upward chip removal is suitable for blind hole processing, steel, stainless steel and cast iron.

单位(Unit):mm



丝锥 Tap Size	精度 Limit	钻头 Drill	全长 L	刃长 L1	柄径 øDs	四方 K	方长 Lk	
M23×	2.5	P3	20.5	120	39	19	15	18
	2.0	P3	21.0	120	39	19	15	18
M24×	3.0	P3	21.0	120	39	19	15	18
	2.0	P3	22.0	120	39	19	15	18
	1.5	P3	22.5	120	39	19	15	18
M25×	1.0	P2	23.0	120	19	19	15	18
	3.0	P3	22.0	125	39	19	15	18
	2.0	P3	23.0	125	39	19	15	18
M26×	1.5	P3	23.5	125	39	19	15	18
	1.0	P2	24.0	125	20	19	15	18
	3.0	P3	23.0	130	39	20	15	18
M27×	1.5	P3	24.5	130	39	20	15	18
	3.0	P3	24.0	130	39	20	15	18
	2.0	P3	25.0	130	39	20	15	18
M28×	1.5	P3	25.5	130	39	20	15	18
	1.0	P2	26.0	130	20	20	15	18
	3.0	P3	25.0	135	46	23	17	20
M28×	2.0	P3	26.0	135	46	23	17	20
	1.5	P3	26.5	135	46	23	17	20
	1.0	P2	27.0	135	20	23	17	20
M30×	3.5	P4	26.5	135	46	23	17	20
	3.0	P3	27.0	135	46	23	17	20
	2.0	P3	28.0	135	46	23	17	20
M32×	1.5	P3	28.5	135	46	23	17	20
	1.0	P2	29.0	135	21	23	17	20
	2.0	P3	30.0	145	46	24	19	22
M32×	1.5	P3	30.5	145	46	24	19	22
	1.0	P2	31.0	145	21	24	19	22

丝锥 Tap Size	精度 Limit	钻头 Drill	全长 L	刃长 L1	柄径 øDs	四方 K	方长 Lk	
M33×	3.5	P4	29.5	145	46	25	19	22
	3.0	P3	30.0	145	46	25	19	22
	2.0	P3	31.0	145	46	25	19	22
M35×	1.5	P3	31.5	145	21	25	19	22
	1.5	P3	33.5	155	52	28	21	24
	4.0	P4	32.0	155	52	28	21	24
M36×	3.0	P3	33.0	155	52	28	21	24
	2.0	P3	34.0	155	52	28	21	24
	1.5	P3	34.5	155	26	28	21	24
M38×	1.5	P3	36.5	165	26	30	23	26
	4.0	P4	35.0	165	52	30	23	26
M39×	3.0	P3	36.0	165	52	30	23	26
	2.0	P3	37.0	165	52	30	23	26
	1.5	P3	37.5	165	26	30	23	26
M40×	3.0	P3	37.0	175	59	32	26	30
	2.0	P3	38.0	175	59	32	26	30
	1.5	P3	38.5	175	27	32	26	30
M42×	4.5	P4	37.5	175	59	32	26	30
	4.0	P4	38.0	175	59	32	26	30
	3.0	P3	39.0	175	59	32	26	30
M45×	2.0	P3	40.0	175	59	32	26	30
	1.5	P3	40.5	175	27	32	26	30
	4.5	P4	40.5	180	59	35	26	30
M45×	4.0	P4	41.0	180	59	35	26	30
	3.0	P3	42.0	180	59	35	26	30
	2.0	P3	43.0	180	59	35	26	30
M48×	1.5	P3	43.5	180	27	35	26	30
	5.0	P4	43.0	185	65	38	29	32

JIS 螺旋槽丝锥-短刃

Spiral Groove Tap - Short Cutting Edge

短刃
S Type

短刃镀钛
S-TIN
Type

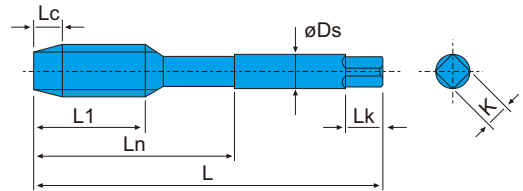


🔪 螺纹底孔(Threaded Bottom Hole): L51

向上排屑适合盲孔加工, 钢, 不锈钢, 铸铁通用。

Upward chip removal is suitable for blind hole processing, steel, stainless steel and cast iron.

单位(Unit):mm



型号 Type	导向牙 Lc	全长 L	螺纹长 L1	颈长 Ln	钻头 Drill	柄径 øDs	四方 K	四方长 Lk	产品编码 Order Number	
M2.0×	0.4	2.5P	40	3.2	10	1.6	3	2.5	5.0	
M2.2×	0.45	2.5P	42	3.6	11	1.75	3	2.5	5.0	
M2.5×	0.45	2.5P	44	3.6	13	2.05	3	2.5	5.0	
M2.6×	0.45	2.5P	44	3.6	13	2.15	3	2.5	5.0	
M3.0×	0.5	2.5P	46	4.0	19	2.5	4	3.2	6.0	
M3.5×	0.6	2.5P	48	4.8	20	2.9	4	3.2	6.0	
M4.0×	0.7	2.5P	52	5.6	21	3.3	5	4.0	7.0	
M4.5×	0.75	2.5P	55	6.0	21	3.8	5	4.0	7.0	
M5.0×	0.8	2.5P	60	6.4	24	4.2	5.5	4.5	7.0	
M6.0×	1.0	2.5P	62	8.0	29	5.0	6	4.5	7.0	
M8.0×	1.25	2.5P	70	15	37	6.8	6.2	5.0	8.0	
M10×	1.5	2.5P	75	18	41	8.5	7	5.5	8.0	
M12×	1.75	2.5P	82	21	48	10.3	8.5	6.5	9.0	
M14×	2.0	2.5P	88	24	48	12.0	10.5	8.0	11	
M16×	2.0	2.5P	95	24	52	14	12.5	10	13	
M18×	2.5	2.5P	100	30	55	15.5	14.0	11	14	
M20×	2.5	2.5P	105	30	58	17.5	15.0	12	15	

螺纹
铣系统

丝攻
板牙

整体
螺纹
铣刀

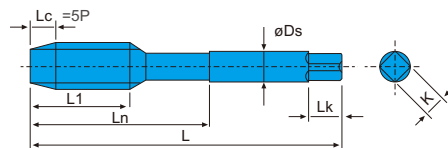
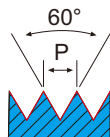
螺纹
铣刀
杆
刀片

丝攻

板牙

螺旋槽丝锥 Spiral Groove Tap

美制螺纹 (UNC/UNF)
JIS-SP



螺纹底孔(Threaded Bottom Hole): L53

向上排屑适合盲孔加工, 钢, 不锈钢, 铸铁通用。

Upward chip removal is suitable for blind hole processing, steel, stainless steel and cast iron.

单位 (Unit): mm

丝锥 Tap Size	精度 Limit	钻头 Drill	全长 L	刃长 L1	柄径 øDs	四方 K	方长 Lk	
0	-80UNF	P1	1.25	38	10.5	3	2.5	5
1	-64UNC	P1	1.55	38	9.5	3	2.5	5
	-72UNF	P1	1.55	38	10.5	3	2.5	5
2	-56UNC	P1	1.8	42	11	3	2.5	5
	-64UNF	P1	1.85	42	11	3	2.5	5
3	-48UNC	P1	2.1	46	13	3	2.5	5
	-56UNF	P1	2.1	46	13	3	2.5	5
4	-40UNC	P2	2.3	46	13	4	3.2	6
	-48UNF	P1	2.4	46	15	4	3.2	6
5	-40UNC	P2	2.6	52	15	5	4	7
	-44UNF	P1	2.7	52	15	5	4	7
6	-32UNC	P2	2.8	52	15	5	4	7
	-40UNF	P2	2.9	52	15	5	4	7
8	-32UNC	P2	3.4	60	17	5.5	4.5	7
	-36UNF	P2	3.5	60	17	5.5	4.5	7
10	-24UNC	P2	3.9	60	19	5.5	4.5	7
	-32UNF	P2	4.1	60	19	5.5	4.5	7
12	-24UNC	P2	4.5	62	19	6	4.5	7
	-28UNF	P2	4.6	62	19	6	4.5	7
1/4	-20UNC	P2	5.1	62	23	6	4.5	7
	-28UNF	P2	5.5	62	23	6	4.5	7
5/16	-18UNC	P3	6.6	70	22	6.2	5	8
	-24UNF	P2	6.9	70	22	6.2	5	8
3/8	-16UNC	P3	8	75	23	7	5.5	8
	-24UNF	P2	8.5	75	23	7	5.5	8

丝锥 Tap Size	精度 Limit	钻头 Drill	全长 L	刃长 L1	柄径 øDs	四方 K	方长 Lk	
7/16	-14UNC	P3	9.4	82	26	8.5	6.5	9
	-20UNF	P2	9.9	82	26	8.5	6.5	9
1/2	-13UNC	P3	10.9	88	26	10.5	8	11
	-20UNF	P2	11.5	88	26	10.5	8	11
9/16	-12UNC	P3	12.2	95	26	12.5	10	13
	-18UNF	P2	12.9	95	26	12.5	10	13
5/8	-11UNC	P3	13.6	95	26	12.5	10	13
	-18UNF	P2	14.5	95	26	12.5	10	13
3/4	-10UNC	P3	16.6	105	33	15	12	15
	-16UNF	P3	17.5	105	33	15	12	15
7/8	-9UNC	P3	19.6	115	33	17	13	16
	-14UNF	P3	20.5	115	33	17	13	16
1	-8UNC	P3	22.3	125	39	19	15	18
	-12UNF	P3	23.3	125	39	19	15	18
1-1/8	-7UNC	P4	25	135	46	23	17	20
	-12UNF	P3	26.5	135	46	23	17	20
1-1/4	-7UNC	P4	28.2	145	46	24	19	22
	-12UNF	P3	29.6	145	46	24	19	22
1-3/8	-6UNC	P4	30.8	155	52	28	21	24
	-12UNF	P3	32.8	155	52	28	21	24
1-1/2	-6UNC	P4	34	165	52	30	23	26
	-12UNF	P3	36	165	52	30	23	26
1-3/4	-5UNC	P4	39.5	180	59	35	26	30
2	-4-1/2UNC	P4	45.2	185	65	38	29	32

螺纹
铣削
系统

丝攻
板牙

整体
螺纹
铣刀

螺纹
铣刀
刀杆
刀片

丝攻

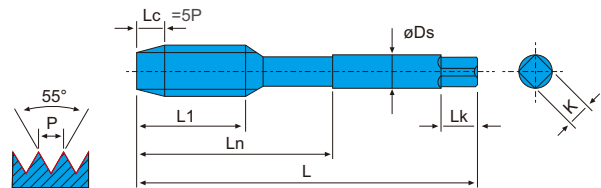
板牙

螺旋槽丝锥

Spiral Groove Tap

英制螺纹 (W)

JIS-SP



 螺纹底孔(Threaded Bottom Hole): L53

向上排屑适合盲孔加工，钢，不锈钢，铸铁通用。

Upward chip removal is suitable for blind hole processing, steel, stainless steel and cast iron.

单位(Unit):mm

丝锥 Tap Size	精度 Limit	钻头 Drill	全长 L	刃长 L1	柄径 øDs	四方 K	方长 Lk	产品编码 Order Number
W1/8 -40	P1	2.55	50	15	5	4	7	
W3/16 -24	P2	3.7	63	20	5.5	4.5	7	
W1/4 -20	P2	5.1	67	23	6	4.5	7	
W5/16 -18	P2	6.6	70	23	6.2	5	8	
W3/8 -16	P2	8	75	25	7	5.5	8	
W7/16 -14	P3	9.4	82	30	8.5	6.5	9	
W1/2 -12	P3	10.7	85	32	10.5	8	11	
W9/16 -12	P3	12.3	95	32	12.5	10	13	
W5/8 -11	P3	13.7	95	33	12.5	10	13	
W3/4 -10	P3	16.6	105	33	15	12	15	
W7/8 -9	P3	19.5	115	33	17	13	16	
W1 -8	P3	22.3	125	39	19	15	18	

螺纹
铣削
系统

丝攻
板牙

整体
螺纹
铣刀

螺纹
铣刀
刀杆
刀片

丝攻

板牙

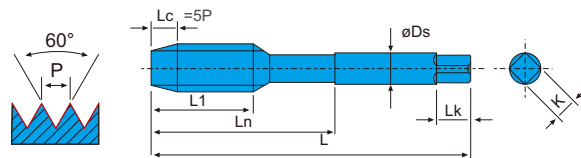
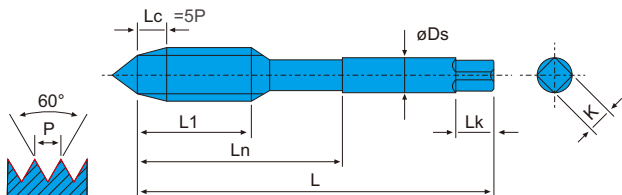
直槽先端丝锥 JIS-PO

Straight Groove Tip Tap

镀钛
TIN



镀钛
TIN



向下排屑适合通孔加工，钢，不锈钢，铸铁通用。

Downward chip removal is suitable for through hole processing, which is common for steel, stainless steel and cast iron.

单位(Unit):mm

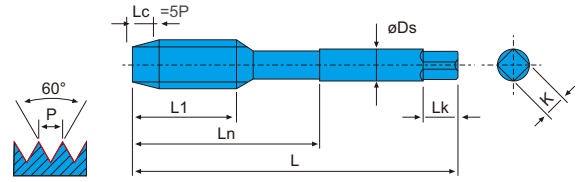
丝锥 Tap Size	精度 Limit	钻头 Drill	全长 L	刃长 L1	颈长 Ln	柄径 øDs	四方 K	方长 Lk	
M1.0×	0.25	P1	0.75	36	4.0	-	3	2.5	5
	0.2	P1	0.8	36	4.0	-	3	2.5	5
M1.1×	0.25	P1	0.85	36	4.5	-	3	2.5	5
	0.2	P1	0.9	36	4.5	-	3	2.5	5
M1.2×	0.25	P1	0.95	36	5.5	-	3	2.5	5
	0.2	P1	1.0	36	4.5	-	3	2.5	5
M1.4×	0.3	P1	1.1	36	6.0	-	3	2.5	5
	0.2	P1	1.2	36	4.5	-	3	2.5	5
M1.6×	0.35	P1	1.25	36	6.0	-	3	2.5	5
	0.2	P1	1.4	36	4.5	-	3	2.5	5
M1.7×	0.35	P1	1.35	36	7.0	-	3	2.5	5
	0.2	P1	1.5	36	4.5	-	3	2.5	5
M1.8×	0.35	P1	1.45	42	10	-	3	2.5	5
	0.2	P1	1.6	42	4.5	-	3	2.5	5
M2.0×	0.4	P1	1.6	42	9	12	3	2.5	5
	0.25	P1	1.75	42	8	12	3	2.5	5
M2.2×	0.45	P1	1.75	42	11	12	3	2.5	5
	0.25	P1	1.95	42	8	12	3	2.5	5
M2.3×	0.4	P1	1.9	42	12	12	3	2.5	5
	0.25	P1	2.05	42	8	12	3	2.5	5
M2.5×	0.45	P1	2.05	46	10	14	3	2.5	5
	0.35	P1	2.15	46	10	14	3	2.5	5
M2.6×	0.45	P1	2.15	46	10	14	3	2.5	5
	0.35	P1	2.25	46	10	14	3	2.5	5
M3.0×	0.5	P1	2.5	46	10.5	14	4	3.2	6
	0.35	P1	2.65	46	12	14	4	3.2	6
M3.5×	0.6	P1	2.9	52	13	16	5	4.0	7
	0.35	P1	3.15	52	10	16	5	4.0	7
M4.0×	0.7	P2	3.3	52	14	19	5	4	7
	0.5	P1	3.5	55	14	19	5	4	7
M4.5×	0.75	P2	3.8	55	16	24	5.5	4.5	7
	0.5	P1	4.0	55	12	19	5.5	4.5	7
M5.0×	0.8	P2	4.2	62	16	24	5.5	4.5	7
	0.5	P1	4.5	62	16	25	5.5	4.5	7
M5.5×	0.5	P1	5.0	63	18	24	6	4.5	7
	M6.0×	1.0	P2	5.0	67	18	30	6	4.5
0.75		P2	5.3	67	18	30	6	4.5	7
0.5		P1	5.5	68	20	28	6	4.5	7

丝锥 Tap Size	精度 Limit	钻头 Drill	全长 L	刃长 L1	柄径 øDs	四方 K	方长 Lk	
M7.0×	1.0	P2	6.0	70	23	6.2	5	8
	0.75	P2	6.3	70	22	6.2	5	8
	0.5	P2	6.4	70	13	6.2	5	8
M8.0×	1.25	P2	6.8	70	22	6.2	5	8
	1.0	P2	7.0	70	22	6.2	5	8
	0.75	P2	7.3	70	22	6.2	5	8
M9.0×	0.5	P2	7.5	70	13	6.2	5	8
	1.25	P2	7.8	75	25	7	5.5	8
	1.0	P2	8.0	75	25	7	5.5	8
M10×	0.75	P2	8.3	75	25	7	5.5	8
	1.5	P2	8.5	75	25	7	5.5	8
	1.25	P2	8.8	75	25	7	5.5	8
M11×	1.0	P2	9.0	75	25	7	5.5	8
	0.75	P2	9.3	75	25	7	5.5	8
	0.5	P2	9.5	75	15	7	5.5	8
M12×	1.5	P2	9.6	82	29	8.5	6.5	9
	1.0	P2	10.0	82	29	8.5	6.5	9
	0.75	P2	10.2	82	29	8.5	6.5	9
M13×	1.75	P2	10.2	82	29	8.5	6.5	9
	1.5	P2	10.5	82	29	8.5	6.5	9
	1.25	P2	10.8	82	29	8.5	6.5	9
M14×	1.0	P2	11.0	82	29	8.5	6.5	9
	0.75	P2	11.3	82	29	8.5	6.5	9
	0.5	P2	11.5	82	12	8.5	6.5	9
M15×	1.75	P2	11.2	88	26	10.5	8	11
	1.0	P2	12.0	88	26	10.5	8	11
	1.5	P2	12.0	88	30	10.5	8	11
M16×	1.25	P2	12.8	88	30	10.5	8	11
	1.0	P2	13.0	88	30	10.5	8	11
	1.0	P2	13.0	88	30	10.5	8	11
M17×	2.0	P2	13.0	95	33	12.5	10	13
	1.5	P2	13.5	95	33	12.5	10	13
	1.0	P2	14.0	95	33	12.5	10	13
M18×	2.0	P2	14.0	95	32	12.5	10	13
	1.5	P2	14.5	95	32	12.5	10	13
	1.0	P2	15.0	95	32	12.5	10	13
M19×	1.5	P2	15.5	100	33	14	11	14
	1.0	P2	16.0	100	33	14	11	14
	1.5	P2	16.5	100	37	14	11	14
M20×	1.0	P2	17.0	100	18	14	11	14
	2.5	P3	16.5	105	37	15	12	15
	1.5	P3	17.5	105	37	15	12	15
M22×	1.0	P2	18.0	105	18	15	12	15
	2.5	P3	17.5	105	37	15	12	15
	2.0	P3	18.0	105	37	15	12	15
M22×	1.5	P3	18.5	105	37	15	12	15
	1.0	P2	19.0	105	18	15	12	15
	2.5	P3	19.5	115	38	17	13	16
M22×	2.0	P3	20.0	115	38	17	13	16
	1.5	P3	20.5	115	38	17	13	16
	1.0	P2	21.0	115	19	17	13	16

🔧 螺纹底孔(Threaded Bottom Hole):L51

JIS-PO 直槽先端丝锥

Straight Groove Tip Tap



螺纹底孔(Threaded Bottom Hole): L51

向下排屑适合通孔加工, 钢, 不锈钢, 铸铁通用。

Downward chip removal is suitable for through hole processing, which is common for steel, stainless steel and cast iron.

单位(Unit):mm

丝锥 Tap Size	精度 Limit	钻头 Drill	全长 L	刃长 L1	柄径 øDs	四方 K	方长 Lk
M23×	2.5	P4	20.5	120	39	19	15
	2.0	P4	21.0	120	39	19	15
M24×	3.0	P4	21.0	120	39	19	15
	2.0	P4	22.0	120	39	19	15
	1.5	P4	22.5	120	39	19	15
M25×	1.0	P3	23.0	120	19	19	15
	3.0	P4	22.0	125	39	19	15
	2.0	P4	23.0	125	39	19	15
M26×	1.5	P4	23.5	125	39	19	15
	1.0	P3	24.0	125	20	19	15
	3.0	P4	23.0	130	39	20	15
M27×	1.5	P4	24.5	130	39	20	15
	3.0	P4	24.0	130	39	20	15
M28×	1.5	P4	25.0	130	39	20	15
	1.0	P3	25.5	130	39	20	15
	1.0	P3	26.0	130	20	20	15
M28×	3.0	P4	25.0	135	46	23	17
	2.0	P4	26.0	135	46	23	17
	1.5	P4	26.5	135	46	23	17
	1.0	P3	27.0	135	20	23	17
M30×	3.5	P5	26.5	135	46	23	17
	3.0	P4	27.0	135	46	23	17
	2.0	P4	28.0	135	46	23	17
	1.5	P4	28.5	135	46	23	17
M32×	1.0	P3	29.0	135	21	23	17
	2.0	P4	30.0	145	46	24	19
	1.5	P4	30.5	145	46	24	19
1.0	P3	31.0	145	21	24	19	

丝锥 Tap Size	精度 Limit	钻头 Drill	全长 L	刃长 L1	柄径 øDs	四方 K	方长 Lk
M33×	3.5	P5	29.5	145	46	25	19
	3.0	P4	30.0	145	46	25	19
	2.0	P4	31.0	145	46	25	19
M35×	1.5	P4	31.5	145	21	25	19
	1.5	P4	33.5	155	52	28	21
	4.0	P5	32.0	155	52	28	21
M36×	3.0	P4	33.0	155	52	28	21
	2.0	P4	34.0	155	52	28	21
	1.5	P4	34.5	155	26	28	21
	1.5	P4	36.5	165	26	30	23
M38×	4.0	P5	35.0	165	52	30	23
	3.0	P4	36.0	165	52	30	23
	2.0	P4	37.0	165	52	30	23
M39×	1.5	P4	37.5	165	26	30	23
	3.0	P4	37.0	175	59	32	26
	2.0	P4	38.0	175	59	32	26
M40×	1.5	P4	38.5	175	27	32	26
	4.5	P5	37.5	175	59	32	26
	4.0	P4	38.0	175	59	32	26
M42×	3.0	P4	39.0	175	59	32	26
	2.0	P4	40.0	175	59	32	26
	1.5	P4	40.5	175	27	32	26
	4.5	P5	40.5	180	59	35	26
M45×	4.0	P4	41.0	180	59	35	26
	3.0	P4	42.0	180	59	35	26
	2.0	P4	43.0	180	59	35	26
	1.5	P4	43.5	180	27	35	26
M48×	5.0	P5	43.0	185	65	38	29

螺纹
铣刀

丝攻
板牙

整体
螺纹
铣刀

螺纹
铣刀
刀杆
刀片

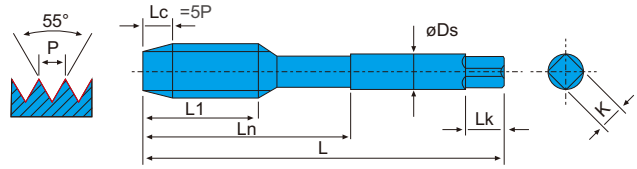
丝攻

板牙

JIS-PO 直槽先端丝锥

Straight Groove Tip Tap

英制螺纹(W)



螺纹底孔(Threaded Bottom Hole): L53

向下排屑适合通孔加工，钢，不锈钢，铸铁通用。

Downward chip removal is suitable for through hole processing, which is common for steel, stainless steel and cast iron.

丝锥 Tap Size	精度 Limit	钻头 Drill	全长 L	刃长 L1	柄径 øDs	四方 K	方长 Lk	产品编码 Order Number
W1/8 -40	P1	2.55	50	15	5	4	7	
W3/16 -24	P2	3.7	63	20	5.5	4.5	7	
W1/4 -20	P2	5.1	67	23	6	4.5	7	
W5/16 -18	P2	6.6	70	23	6.2	5	8	
W3/8 -16	P2	8	75	25	7	5.5	8	
W7/16 -14	P3	9.4	82	30	8.5	6.5	9	
W1/2 -12	P3	10.7	85	32	10.5	8	11	
W9/16 -12	P3	12.3	95	32	12.5	10	13	
W5/8 -11	P3	13.7	95	33	12.5	10	13	
W3/4 -10	P3	16.6	105	33	15	12	15	
W7/8 -9	P3	19.5	115	33	17	13	16	
W1 -8	P3	22.3	125	39	19	15	18	

螺纹
铣削
系统

丝攻
板牙

整体
螺纹
铣刀

螺纹
铣刀
刀杆
刀片

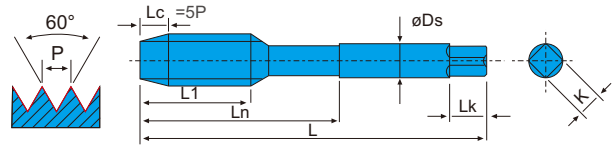
丝攻

板牙

JIS-PO 直槽先端丝锥

Straight Groove Tip Tap

美制螺纹 (UNC/UNF)



螺纹底孔(Threaded Bottom Hole): L53

向下排屑适合通孔加工, 钢, 不锈钢, 铸铁通用。

Downward chip removal is suitable for through hole processing, which is common for steel, stainless steel and cast iron.

单位(Unit): mm

丝锥 Tap Size	精度 Limit	钻头 Drill	全长 L	刃长 L1	柄径 øDs	四方 K	方长 Lk	丝锥 Tap Size	精度 Limit	钻头 Drill	全长 L	刃长 L1	柄径 øDs	四方 K	方长 Lk
0 -80UNF	P1	1.25	38	10.5	3	2.5	5	7/16 -14UNC	P3	9.4	82	26	8.5	6.5	9
1 -64UNC	P1	1.55	38	9.5	3	2.5	5	-20UNF	P3	9.9	82	26	8.5	6.5	9
-72UNF	P1	1.55	38	10.5	3	2.5	5	1/2 -13UNC	P3	10.9	88	26	10.5	8	11
2 -56UNC	P1	1.8	42	11	3	2.5	5	-20UNF	P3	11.5	88	26	10.5	8	11
-64UNC	P1	1.85	42	11	3	2.5	5	9/16 -12UNC	P3	12.2	95	26	12.5	10	13
3 -48UNC	P1	2.1	46	13	3	2.5	5	-18UNF	P3	12.9	95	26	12.5	10	13
-56UNF	P1	2.1	46	13	3	2.5	5	5/8 -11UNC	P3	13.6	95	26	12.5	10	13
4 -40UNC	P2	2.3	46	13	4	3.2	6	-18UNF	P3	14.5	95	26	12.5	10	13
-48UNF	P1	2.4	46	15	4	3.2	6	3/4 -10UNC	P4	16.6	105	33	15	12	15
5 -40UNC	P2	2.6	52	15	5	4	7	-16UNF	P3	17.5	105	33	15	12	15
-44UNF	P1	2.7	52	15	5	4	7	7/8 -9UNC	P4	19.6	115	33	17	13	16
6 -32UNC	P2	2.8	52	15	5	4	7	-14UNF	P3	20.5	115	33	17	13	16
-40UNF	P2	2.9	52	15	5	4	7	1 -8UNC	P4	22.3	125	39	19	15	18
8 -32UNC	P2	3.4	60	17	5.5	4.5	7	-12UNF	P4	23.3	125	39	19	15	18
-36UNF	P2	3.5	60	17	5.5	4.5	7	1-1/8 -7UNC	P4	25	135	46	23	17	20
10 -24UNC	P2	3.9	60	19	5.5	4.5	7	-12UNF	P4	26.5	135	46	23	17	20
-32UNF	P2	4.1	60	19	5.5	4.5	7	1-1/4 -7UNC	P4	28.2	145	46	24	19	22
12 -24UNC	P2	4.5	62	19	6	4.5	7	-12UNF	P4	29.6	145	46	24	19	22
-28UNF	P2	4.6	62	19	6	4.5	7	1-3/8 -6UNC	P5	30.8	155	52	28	21	24
1/4 -20UNC	P2	5.1	62	23	6	4.5	7	-12UNF	P4	32.8	155	52	28	21	24
-28UNF	P2	5.5	62	23	6	4.5	7	1-1/2 -6UNC	P5	34	165	52	30	23	26
5/16 -18UNC	P3	6.6	70	22	6.2	5	8	-12UNF	P4	36	165	52	30	23	26
-24UNF	P2	6.9	70	22	6.2	5	8	1-3/4 -5UNC	P5	39.5	180	59	35	26	30
3/8 -16UNC	P3	8	75	23	7	5.5	8	2 -4-1/2UNC	P5	45.2	185	65	38	29	32
-24UNF	P2	8.5	75	23	7	5.5	8								

螺纹
铣削
系统

丝攻
板牙

整体
螺纹
铣刀

螺纹
铣刀
刀杆
刀片

丝攻

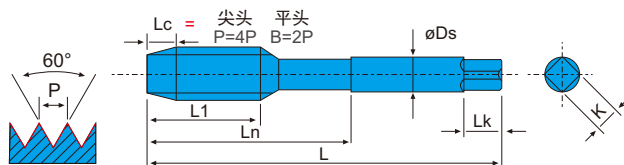
板牙

JIS-NRT 无沟挤压丝锥

Extrusion Tap

尖头 P Type

平头 B Type



👉 螺纹底孔(Threaded Bottom Hole): L52

适合薄壁零件的螺纹孔加工，钢，不锈钢，铸铁通用。

It is suitable for the processing of thin wall parts, which is common for steel, stainless steel and cast iron.

单位 (Unit) :mm

丝锥 Tap Size	精度 Limit	钻头 Drill	全长 L	刃长 L1	颈长 Lc	柄径 øDs	四方 K	方长 Lk	
M0.5×	0.125	RH2	0.375	33	2.0	-	3	2.5	5
M0.6×	0.15	RH2	0.45	33	2.5	-	3	2.5	5
M0.7×	0.175	RH3	0.525	37	2.5	-	3	2.5	5
M0.8×	0.2	RH3	0.6	39	2.5	-	3	2.5	5
M0.9×	0.25	RH4	0.65	36	3.0	-	3	2.5	5
	0.225	RH4	0.675	32	3.0	-	3	2.5	5
M1.0×	0.25	RH4	0.75	34	5.0	-	3	2.5	5
	0.2	RH4	0.8	34	6.0	-	3	2.5	5
M1.1×	0.25	RH4	0.85	34	6.5	-	3	2.5	5
	0.2	RH4	0.9	34	6.5	-	3	2.5	5
M1.2×	0.25	RH4	0.95	34	7.0	-	3	2.5	5
	0.2	RH4	1.0	34	7.0	-	3	2.5	5
M1.4×	0.3	RH4	1.1	36	7.0	-	3	2.5	5
	0.2	RH4	1.2	36	7.0	-	3	2.5	5
M1.6×	0.35	RH4	1.25	38	7.5	-	3	2.5	5
	0.2	RH4	1.4	38	7.5	-	3	2.5	5
M1.7×	0.35	RH4	1.35	38	10	-	3	2.5	5
	0.2	RH4	1.5	38	7.5	-	3	2.5	5
M1.8×	0.35	RH4	1.45	38	9.0	-	3	2.5	5
	0.2	RH4	1.6	38	9.0	-	3	2.5	5
M2.0×	0.4	RH4	1.6	42	13.5	12	3	2.5	5
	0.25	RH4	1.75	42	12	12	3	2.5	5
M2.2×	0.45	RH4	1.75	42	12	12	3	2.5	5
	0.25	RH4	1.95	42	12	12	3	2.5	5
M2.3×	0.4	RH4	1.9	42	12	12	3	2.5	5
	0.25	RH4	2.05	42	12	12	3	2.5	5
M2.5×	0.45	RH5	2.05	45	16	14	3	2.5	5
	0.35	RH5	2.15	45	16	14	3	2.5	5
M2.6×	0.45	RH5	2.15	45	17	14	3	2.5	5
	0.35	RH5	2.25	45	17	14	3	2.5	5
M3.0×	0.5	RH5	2.5	48	20	14	4	3.2	6
	0.35	RH5	2.65	47	20	14	4	3.2	6
M3.5×	0.6	RH5	2.9	50	18	16	5	4.0	7
	0.35	RH5	3.15	50	18	16	5	4.0	7
M4.0×	0.7	RH6	3.3	54	22	17	5	4	7
	0.5	RH6	3.5	54	22	17	5	4	7
M4.5×	0.75	RH6	3.8	60	22	21	5.5	4.5	7
	0.5	RH6	4.0	60	22	21	5.5	4.5	7
M5.0×	0.8	RH6	4.2	62	23	22	5.5	4.5	7
	0.5	RH6	4.5	62	23	22	5.5	4.5	7
M5.5×	0.5	RH6	5.0	62	23	26	6	4.5	7
M6.0×	1.0	RH7	5.0	65	25	26	6	4.5	7
	0.75	RH6	5.3	65	25	26	6	4.5	7
	0.5	RH6	5.5	65	25	26	6	4.5	7
M7.0×	1.0	RH7	6.0	70	22	6.2	5	8	
	0.75	RH7	6.3	70	22	6.2	5	8	
	0.5	RH7	6.4	70	14	6.2	5	8	
M8.0×	1.25	RH7	6.8	70	23	6.2	5	8	
	1.0	RH7	7.0	70	23	6.2	5	8	
	0.75	RH7	7.3	70	23	6.2	5	8	
	0.5	RH7	7.5	70	15	6.2	5	8	
M9.0×	1.25	RH7	7.8	75	25	7	5.5	8	
	1.0	RH7	8.0	75	25	7	5.5	8	
	0.75	RH7	8.3	75	25	7	5.5	8	
M10×	1.5	RH7	8.5	75	25	7	5.5	8	
	1.25	RH7	8.8	75	25	7	5.5	8	
	1.0	RH7	9.0	75	25	7	5.5	8	
	0.75	RH7	9.3	75	25	7	5.5	8	
	0.5	RH7	9.5	75	14	7	5.5	8	
M11×	1.5	RH7	9.6	82	30	8.5	6.5	9	
	1.0	RH7	10.0	82	30	8.5	6.5	9	
	0.75	RH7	10.2	82	30	8.5	6.5	9	
M12×	1.75	RH8	10.2	82	30	8.5	6.5	9	
	1.5	RH8	10.5	82	30	8.5	6.5	9	
	1.25	RH9	10.8	82	30	8.5	6.5	9	
	1.0	RH7	11.0	82	30	8.5	6.5	9	
	0.75	RH7	11.3	82	28	8.5	6.5	9	
	0.5	RH7	11.5	82	12	8.5	6.5	9	
M13×	1.75	RH9	11.2	88	30	10.5	8	11	
	1.0	RH8	12.0	88	30	10.5	8	11	
M14×	2.0	RH10	12.0	88	26	10.5	8	11	
	1.5	RH9	12.5	88	26	10.5	8	11	
	1.25	RH9	12.8	88	26	10.5	8	11	
	1.0	RH8	13.0	88	26	10.5	8	11	
M15×	2.0	RH10	13.0	95	26	12.5	10	13	
	1.5	RH9	13.5	95	26	12.5	10	13	
	1.0	RH8	14.0	95	26	12.5	10	13	
M16×	2.0	RH10	14.0	95	32	12.5	10	13	
	1.5	RH9	14.5	95	32	12.5	10	13	
	1.0	RH8	15.0	95	32	12.5	10	13	
M17×	1.5	RH9	15.5	100	33	14	11	14	
	1.0	RH8	16.0	100	18	14	11	14	
M18×	2.5	RH11	15.5	100	25	14	11	14	
	2.0	RH10	16.0	100	25	14	11	14	
	1.5	RH9	16.5	100	25	14	11	14	
	1.0	RH8	17.0	100	25	14	11	14	
M19×	2.5	RH11	16.5	105	25	15	12	15	
	1.5	RH10	17.5	105	25	15	12	15	
	1.0	RH9	18.0	105	18	15	12	15	
M20×	2.5	RH11	17.5	105	25	15	12	15	
	2.0	RH10	18.0	105	25	15	12	15	
	1.5	RH10	18.5	105	25	15	12	15	
	1.0	RH9	19.0	105	18	15	12	15	

螺纹
铣削
系统

丝攻
板牙

整体
螺纹
铣刀

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杆
刀片

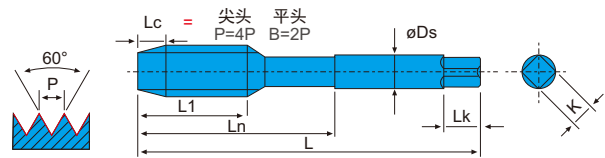
丝攻

板牙

JIS-NRT无沟挤压丝锥

Extrusion Tap

美制螺纹 (UNC/UNF)



螺纹底孔(Threaded Bottom Hole): L52

适合薄壁零件的螺纹孔加工, 钢, 不锈钢, 铸铁通用。

It is suitable for the processing of thin wall parts, which is common for steel, stainless steel and cast iron.

单位(Unit):mm

丝锥 Tap Size	精度 Limit	钻头 Drill	全长 L	刃长 L1	柄径 øDs	四方 K	方长 Lk	丝锥 Tap Size	精度 Limit	钻头 Drill	全长 L	刃长 L1	柄径 øDs	四方 K	方长 Lk
0 -80UNF	RH5	1.25	36	6.3	3	2.5	5	7/16 -14UNC	P3	9.4	82	26	8.5	6.5	9
1 -64UNC	RH5	1.55	42	7.2	3	2.5	5	-20UNF	P3	9.9	82	26	8.5	6.5	9
-72UNF	RH5	1.55	42	8.1	3	2.5	5	1/2 -13UNC	P3	10.9	88	26	10.5	8	11
2 -56UNC	RH4	1.8	42	8.1	3	2.5	5	-20UNF	P3	11.5	88	26	10.5	8	11
-64UNF	RH4	1.85	42	8.1	3	2.5	5	9/16 -12UNC	P3	12.2	95	26	12.5	10	13
3 -48UNC	RH4	2.1	46	8.1	3	2.5	5	-18UNF	P3	12.9	95	26	12.5	10	13
-56UNF	RH4	2.1	46	8.1	3	2.5	5	5/8 -11UNC	P3	13.6	95	26	12.5	10	13
4 -40UNC	RH5	2.3	46	9	4	3.2	6	-18UNF	P3	14.5	95	26	12.5	10	13
-48UNF	RH5	2.4	46	9	4	3.2	6	3/4 -10UNC	P4	16.6	105	33	15	12	15
5 -40UNC	RH5	2.6	52	11	5	4	7	-16UNF	P3	17.5	105	33	15	12	15
-44UNF	RH5	2.7	52	11	5	4	7	7/8 -9UNC	P4	19.6	115	33	17	13	16
6 -32UNC	RH5	2.8	52	11	5	4	7	-14UNF	P3	20.5	115	33	17	13	16
-40UNF	RH5	2.9	52	11	5	4	7	1 -8UNC	P4	22.3	125	39	19	15	18
8 -32UNC	RH6	3.4	60	13	5.5	4.5	7	-12UNF	P4	23.3	125	39	19	15	18
-36UNF	RH5	3.5	60	13	5.5	4.5	7	1-1/8-7UNC	P4	25	135	46	23	17	20
10 -24UNC	RH6	3.9	60	13	5.5	4.5	7	-12UNF	P4	26.5	135	46	23	17	20
-32UNF	RH6	4.1	60	13	5.5	4.5	7	1-1/4-7UNC	P4	28.2	145	46	24	19	22
12 -24UNC	RH6	4.5	62	15	6	4.5	7	-12UNF	P4	29.6	145	46	24	19	22
-28UNF	RH6	4.6	62	15	6	4.5	7	1-3/8-6UNC	P5	30.8	155	52	28	21	24
1/4 -20UNC	RH7	5.1	62	15	6	4.5	7	-12UNF	P4	32.8	155	52	28	21	24
-28UNF	RH6	5.5	62	15	6	4.5	7	1-1/2-6UNC	P5	34	165	52	30	23	26
								-12UNF	P4	36	165	52	30	23	26
								1-3/4-5UNC	P5	39.5	180	59	35	26	30
								2-4-1/2UNC	P5	45.2	185	65	38	29	32

螺纹
铣削
系统

丝攻
板牙

整体
螺纹
铣刀

螺纹
铣刀
刀杆
刀片

丝攻

板牙

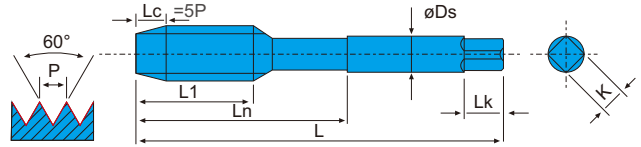
国标 ISO 标准柄

GB-SP螺旋槽丝锥

Spiral Groove Tap



镀钛
TIN



螺纹底孔(Threaded Bottom Hole): L51

向上排屑适合盲孔加工, 钢, 不锈钢, 铸铁通用。

Upward chip removal is suitable for blind hole processing, steel, stainless steel and cast iron.

单位 (Unit): mm

丝锥 Tap Size	精度 Limit	钻头 Drill	全长 L	刃长 L1	颈长 Ln	柄径 øDs	四方 K	方长 Lk	丝锥 Tap Size	精度 Limit	钻头 Drill	全长 L	刃长 L1	颈长 Ln	柄径 øDs	四方 K	方长 Lk
M1.0× 0.25		0.75	35	5.5		3	2.5	5	M14× 2.0		12.0	95	30		11.2	9.0	12
M1.2× 0.25		0.95	35	5.5		3	2.5	5	1.5		12.5	95	30		11.2	9.0	12
M1.4× 0.3		1.1	35	7.0		3	2.5	5	M16× 2.0		14.0	102	32		12.5	10	13
M1.6× 0.35		1.25	38	7.0		3	2.5	5	1.5		14.5	102	32		12.5	10	13
M1.8× 0.35		1.45	38	8.0		3	2.5	5	M18× 2.5		15.5	112	37		14	11.2	14
M2.0× 0.4		1.6	42	8.0		3	2.5	5	1.5		16.5	104	29		14	11.2	14
M2.5× 0.45		2.05	44	9.5		3	2.5	5	M20× 2.5		17.5	112	37		14	11.2	14
M3.0× 0.5		2.5	48	11		3.15	2.5	5	1.5		18.5	104	29		14	11.2	14
M3.5× 0.6		2.9	53	11		4	3.15	6	M22× 2.5		19.5	118	38		16	12.5	16
M4.0× 0.7		3.3	53	13		4	3.15	6	1.5		20.5	113	33		16	12.5	16
0.5		3.5	53	13		4	3.15	6	M24× 3.0		21.0	130	45		18	14	18
M4.5× 0.75		3.75	58	16		5	4.0	6	2.0		22.0	120	35		18	14	18
M5.0× 0.8		4.2	58	16		5	4.0	6	M27× 3.0		24.0	135	45		20	16	20
0.5		4.5	58	16		5	4.0	6	2.0		25.0	127	37		20	16	20
M6.0× 1.0		5.0	66	19		6.3	5.0	8	M30× 3.5		26.5	138	48		20	16	20
0.75		5.25	66	19		6.3	5.0	8	2.0		28.0	127	37		20	16	20
M8.0× 1.25		6.75	72	22		6.3	5.0	8	M36× 4.0		32.0	162	57		25	20	24
1.0		7.0	72	19		6.3	5.0	8	2.0		34.0	149	39		25	20	24
0.75		7.25	72	19		6.3	5.0	8									
M10× 1.5		8.5	76	24		8	6.3	8									
1.25		8.75	76	20		8	6.3	8									
1.0		9.0	76	20		8	6.3	8									
0.75		9.25	76	20		8	6.3	8									
M12× 1.75		10.25	89	29		9	7.1	10									
1.5		10.5	89	29		9	7.1	10									
1.25		10.75	89	24		9	7.1	10									
1.0		11.0	89	24		9	7.1	10									

螺纹
铣削
系统

丝攻
板牙

整体
螺纹
铣刀

螺纹
铣刀
刀杆
刀片

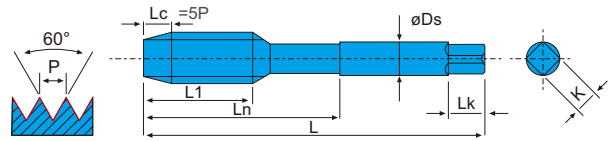
丝攻

板牙

国标 ISO 标准柄

GB-PO 直槽先端丝锥

Straight Groove Tip Tap



螺纹底孔(Threaded Bottom Hole): L51

向下排屑适合通孔加工, 钢, 不锈钢, 铸铁通用。

Downward chip removal is suitable for through hole processing, which is common for steel, stainless steel and cast iron.

单位(Unit): mm

丝锥 Tap Size	精度 Limit	钻头 Drill	全长 L	刃长 L1	颈长 Ln	柄径 øDs	四方 K	方长 Lk
M1.0×0.25		0.75	35	5.5		3	2.5	5
M1.2×0.25		0.95	35	5.5		3	2.5	5
M1.4×0.3		1.1	35	7.0		3	2.5	5
M1.6×0.35		1.25	38	7.0		3	2.5	5
M1.8×0.35		1.45	38	8.0		3	2.5	5
M2.0×0.4		1.6	42	8.0		3	2.5	5
M2.5×0.45		2.05	44	9.5		3	2.5	5
M3.0×0.5		2.5	48	11		3.15	2.5	5
M3.5×0.6		2.9	53	11		4	3.15	6
M4.0×0.7		3.3	53	13		4	3.15	6
0.5		3.5	53	13		4	3.15	6
M4.5×0.75		3.75	58	16		5	4.0	6
M5.0×0.8		4.2	58	16		5	4.0	6
0.5		4.5	58	16		5	4.0	6
M6.0×1.0		5.0	66	19		6.3	5.0	8
0.75		5.25	66	19		6.3	5.0	8
M8.0×1.25		6.75	72	22		6.3	5.0	8
1.0		7.0	72	19		6.3	5.0	8
0.75		7.25	72	19		6.3	5.0	8
M10×1.5		8.5	76	24		8	6.3	8
1.25		8.75	76	20		8	6.3	8
1.0		9.0	76	20		8	6.3	8
0.75		9.25	76	20		8	6.3	8
M12×1.75		10.25	89	29		9	7.1	10
1.5		10.5	89	29		9	7.1	10
1.25		10.75	89	24		9	7.1	10
1.0		11.0	89	24		9	7.1	10

丝锥 Tap Size	精度 Limit	钻头 Drill	全长 L	刃长 L1	颈长 Ln	柄径 øDs	四方 K	方长 Lk
M14×2.0		12.0	95	30		11.2	9.0	12
1.5		12.5	95	30		11.2	9.0	12
M16×2.0		14.0	102	32		12.5	10	13
1.5		14.5	102	32		12.5	10	13
M18×2.5		15.5	112	37		14	11.2	14
1.5		16.5	104	29		14	11.2	14
M20×2.5		17.5	112	37		14	11.2	14
1.5		18.5	104	29		14	11.2	14
M22×2.5		19.5	118	38		16	12.5	16
1.5		20.5	113	33		16	12.5	16
M24×3.0		21.0	130	45		18	14	18
2.0		22.0	120	35		18	14	18
M27×3.0		24.0	135	45		20	16	20
2.0		25.0	127	37		20	16	20
M30×3.5		26.5	138	48		20	16	20
2.0		28.0	127	37		20	16	20
M36×4.0		32.0	162	57		25	20	24
2.0		34.0	149	39		25	20	24

螺纹
铣削
系统

丝攻
板牙

整体
螺纹
铣刀

螺纹
铣刀
刀杆
刀片

丝攻

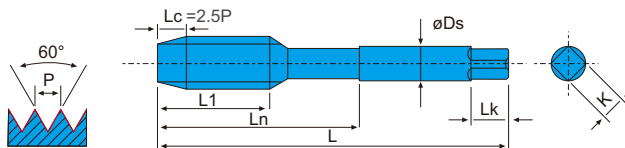
板牙

德标 DIN 标准柄 DIN-SP 螺旋槽丝锥 Spiral Groove Tap

镀钛
TIN



螺纹底孔(Threaded Bottom Hole): L51



向上排屑适合盲孔加工, 钢, 不锈钢, 铸铁通用。

Upward chip removal is suitable for blind hole processing, steel, stainless steel and cast iron.

单位 (Unit): mm

丝锥 Tap Size	精度 Limit	钻头 Drill	全长 L	刃长 L1	柄径 øDs	四方 K	方长 Lk
M2.0× 0.4		1.6	45	8	2.8	2.1	5
M2.2× 0.45		1.75	45	9	2.8	2.1	5
M2.5× 0.45		2.05	50	8	2.8	2.1	5
M2.6× 0.45		2.15	50	8	2.8	2.1	5
M3.0× 0.5		2.5	56	11	3.5	2.7	6
M3.5× 0.6		2.9	56	13	4.0	3.0	6
M4.0× 0.7		3.3	63	13	4.5	3.4	6
M5.0× 0.8		4.2	70	16	6.0	4.9	8
M6.0× 1.0		5.0	80	19	6.0	4.9	8
M8.0× 1.25-371		6.75	90	22	8.0	6.2	9
M8.0× 1.25-376		6.75	90	22	6.0	4.9	8
M8.0× 1.0		7.0	90	22	6.0	4.9	8
M8.0× 0.75		7.25	80	12	6.0	4.9	8
M8.0× 0.5		7.5	80	12	6.0	4.9	8
M10× 1.5-371		8.5	100	24	10	8.0	11
M10× 1.5-376		8.5	100	24	7.0	5.5	8
M10× 1.25		8.75	100	24	7.0	5.5	8
M10× 1.0		9.0	90	14	7.0	5.5	8
M10× 0.75		9.25	90	14	7.0	5.5	8
M12× 1.75		10.25	110	29	9.0	7.0	10
M12× 1.5		10.5	100	29	9.0	7.0	10
M12× 1.25		10.75	100	19	9.0	7.0	10
M12× 1.0		11.0	100	19	9.0	7.0	10
M14× 2.0		12.0	110	30	11.0	9.0	12
M14× 1.5		12.5	100	20	11.0	9.0	12
M16× 2.0		14.0	110	32	12.0	9.0	12
M16× 1.5		14.5	100	22	12.0	9.0	12
M16× 1.0		15.0	100	22	12.0	9.0	12

丝锥 Tap Size	精度 Limit	钻头 Drill	全长 L	刃长 L1	柄径 øDs	四方 K	方长 Lk
M18× 2.5		15.5	125	34	14	11	14
M18× 2.0		16.0	125	34	14	11	14
M20× 2.5		17.5	140	34	16	12	15
M20× 2.0		18.0	140	34	16	12	15
M20× 1.5		18.5	125	20	16	12	15
M20× 1.0		19.0	125	20	16	12	15
M22× 2.5		19.5	140	34	18	14.5	17
M22× 2.0		20.0	140	34	18	14.5	17
M24× 3.0		21.0	160	38	18	14.5	17
M24× 2.0		22.0	140	18	18	14.5	17
M25× 1.5		23.5	140	18	18	14.5	17
M26× 1.5		24.5	140	18	18	14.5	17
M27× 3.0		24.0	160	25	20	16	19
M28× 2.0		26.0	140	20	20	16	19
M30× 3.5		26.5	180	38	22	18	21
M32× 2.0		30.0	150	20	22	18	21
M33× 3.5		29.5	180	38	25	20	23
M36× 4.0		32.0	200	40	28	22	25
M36× 2.0		34.0	170	20	28	22	25
M36× 1.5		34.5	170	20	28	22	25
M36× 1.0		35.0	170	20	28	22	25
M39× 4.0		35.0	200	40	32	24	27
M42× 4.5		37.5	200	40	32	24	27
M45× 4.5		40.5	220	45	36	29	32
M45× 3.0		42.0	200	40	36	29	32
M45× 2.0		43.0	180	25	36	29	32
M45× 1.5		43.5	180	25	36	29	32
M48× 5.0		43.0	250	45	36	29	32

螺纹
铣削
系统

丝攻
板牙

整体
螺纹
铣刀

螺纹
铣刀
刀杆
刀片

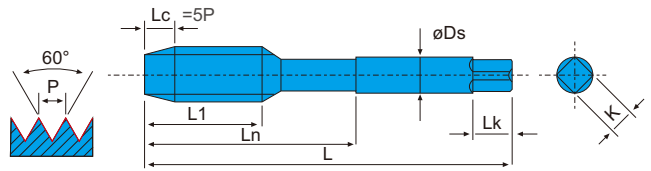
丝攻

板牙

德标 DIN 标准柄 DIN-PO直槽先端丝锥 Straight Groove Tip Tap



镀钛
TIN
螺纹底孔(Threaded Bottom Hole): L51



向下排屑适合通孔加工，钢，不锈钢，铸铁通用。

Downward chip removal is suitable for through hole processing, which is common for steel, stainless steel and cast iron.

单位 (Unit): mm

丝锥 Tap Size	精度 Limit	钻头 Drill	全长 L	刃长 L1	柄径 øDs	四方 K	方长 Lk
M2.0× 0.4		1.6	45	8	2.8	2.1	5
M2.2× 0.45		1.75	45	9	2.8	2.1	5
M2.5× 0.45		2.05	50	8	2.8	2.1	5
M2.6× 0.45		2.15	50	8	2.8	2.1	5
M3.0× 0.5		2.5	56	11	3.5	2.7	6
M3.5× 0.6		2.9	56	13	4.0	3.0	6
M4.0× 0.7		3.3	63	13	4.5	3.4	6
M5.0× 0.8		4.2	70	16	6.0	4.9	8
M6.0× 1.0		5.0	80	19	6.0	4.9	8
M8.0× 1.25-371		6.75	90	22	8.0	6.2	9
M8.0× 1.25-376		6.75	90	22	6.0	4.9	8
M8.0× 1.0		7.0	90	22	6.0	4.9	8
M8.0× 0.75		7.25	80	12	6.0	4.9	8
M8.0× 0.5		7.5	80	12	6.0	4.9	8
M10× 1.5-371		8.5	100	24	10	8.0	11
M10× 1.5-376		8.5	100	24	7.0	5.5	8
M10× 1.25		8.75	100	24	7.0	5.5	8
M10× 1.0		9.0	90	14	7.0	5.5	8
M10× 0.75		9.25	90	14	7.0	5.5	8
M12× 1.75		10.25	110	29	9.0	7.0	10
M12× 1.5		10.5	100	29	9.0	7.0	10
M12× 1.25		10.75	100	19	9.0	7.0	10
M12× 1.0		11.0	100	19	9.0	7.0	10
M14× 2.0		12.0	110	30	11.0	9.0	12
M14× 1.5		12.5	100	20	11.0	9.0	12
M16× 2.0		14.0	110	32	12.0	9.0	12
M16× 1.5		14.5	100	22	12.0	9.0	12
M16× 1.0		15.0	100	22	12.0	9.0	12

丝锥 Tap Size	精度 Limit	钻头 Drill	全长 L	刃长 L1	柄径 øDs	四方 K	方长 Lk
M18× 2.5		15.5	125	34	14	11	14
M18× 2.0		16.0	125	34	14	11	14
M20× 2.5		17.5	140	34	16	12	15
M20× 2.0		18.0	140	34	16	12	15
M20× 1.5		18.5	125	20	16	12	15
M20× 1.0		19.0	125	20	16	12	15
M22× 2.5		19.5	140	34	18	14.5	17
M22× 2.0		20.0	140	34	18	14.5	17
M24× 3.0		21.0	160	38	18	14.5	17
M24× 2.0		22.0	140	18	18	14.5	17
M25× 1.5		23.5	140	18	18	14.5	17
M26× 1.5		24.5	140	18	18	14.5	17
M27× 3.0		24.0	160	25	20	16	19
M28× 2.0		26.0	140	20	20	16	19
M30× 3.5		26.5	180	38	22	18	21
M32× 2.0		30.0	150	20	22	18	21
M33× 3.5		29.5	180	38	25	20	23
M36× 4.0		32.0	200	40	28	22	25
M36× 2.0		34.0	170	20	28	22	25
M36× 1.5		34.5	170	20	28	22	25
M36× 1.0		35.0	170	20	28	22	25
M39× 4.0		35.0	200	40	32	24	27
M42× 4.5		37.5	200	40	32	24	27
M45× 4.5		40.5	220	45	36	29	32
M45× 3.0		42.0	200	40	36	29	32
M45× 2.0		43.0	180	25	36	29	32
M45× 1.5		43.5	180	25	36	29	32
M48× 5.0		43.0	250	45	36	29	32

螺纹
铣系统

丝攻
板牙

整体
螺纹
铣刀

螺纹
铣刀
刀杆
刀片

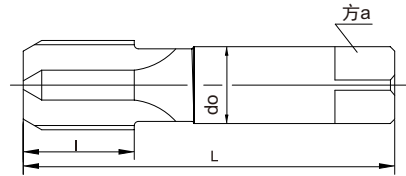
丝攻

板牙

(标准) 圆柱管螺纹丝锥

Standard Cylinder Pipe Thread Taps

G/Rp



性能特点: Features:

螺纹底孔(Threaded Bottom Hole): L54

该系列丝锥产品基本尺寸符合GB/T20333-2006/ISO2284:1987标准的要求, Rp适用于用螺纹密封的圆柱内螺纹的加工, 加工出的螺纹符合GB/T7306.1-2000 eqv ISO7-1:1994标准的要求; G为非螺纹密封的管件圆柱内螺纹的加工, 螺纹符合GB/T7307-2001 eqv ISO228-1:1994。

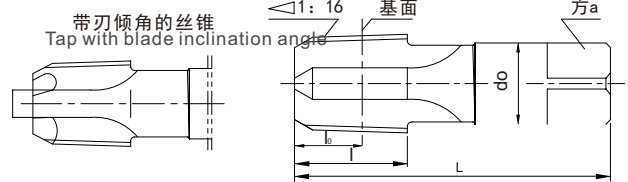
This series product conforms to GB/T20333-2006/ISO2284:1987. Rp tap is designed for processing female thread with thread-seal. The thread conforms to GB7306.1-2000 eqv ISO7-1:1994; G tap for processing female thread with non-thread-seal. The thread conforms to GB7307-2001 eqv ISO228-1:1994.

单位 (unit): mm

规格 Thread Size	牙数 T.P.I	L	l	do	a	槽数 Flutes	Order Number
Rp1/8	G1/8	28	59	15	8	6.3	Rc1/8
Rp1/4	G1/4	19	67	19	10	8	Rc1/4
Rp3/8	G3/8	19	75	21	12.5	10	Rc3/8
Rp1/2	G1/2	14	87	26	16	12.5	Rc1/2
Rp3/4	G3/4	14	96	28	20	16	Rc3/4
Rp1	G1	11	109	33	25	20	Rc1
Rp1¼	G1¼	11	119	36	31.5	25	Rc1¼
Rp1½	G1½	11	125	37	35.5	28	Rc1½
Rp2	G2	11	140	41	40	31.5	Rc2

55度圆锥管螺纹丝锥(RC)

55° Taper Pipe Thread Taps



PT/Rc

性能特点: Features:

螺纹底孔(Threaded Bottom Hole): L54

该系列产品适用于用英制螺纹密封的圆锥管螺纹内螺纹的加工, 可用于加工玛钢管件及不锈钢管件, 加工的螺纹, 符合GB7306.2-2000 eqv ISO7-1:1994标准的要求, 也可根据用户需求增加刃倾角。本产品采用优质高速钢W6Mo4Cr4V2材料。加工螺纹精度高, 经久耐用。

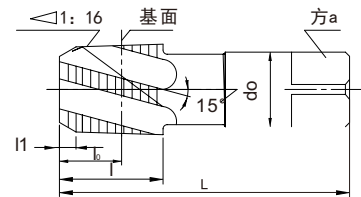
This series of products is suitable for processing internal threads of conical pipes sealed with imperial threads. It can be used to process malleable steel and stainless steel pipe fittings, and the processed threads comply with GB7306 According to the requirements of the ISO7-1:1994 standard for 2-2000 eqv, the blade inclination angle can also be increased according to user needs. This product uses high-quality high-speed steel W6Mo4Cr4V2 material. High precision and durability in thread processing.

单位 (unit): mm

代码编号 Code number	规格 Thread Size	牙数 T.P.I	L	l	lo	do	a	槽数 Flutes	Order Number
	Rc1/8S	PT1/8	28	55	15	10	9	7	4
	Rc1/4S	PT1/4	19	60	20	12	11	9	4
	Rc3/8S	PT3/8	19	65	22	14	14	11	4
	Rc1/2S	PT1/2	14	70	25	15	18	14.5	4
	Rc3/4S	PT3/4	14	70	26	17	22	18	4
	Rc1S	PT1	11	80	30	20	26	20	4
	Rc1¼S	PT1¼	11	85	32	22	34	26	6
	Rc1½S	PT1½	11	90	32	23	38	29	6
	Rc2S	PT2	11	100	35	25	38	29	6

55度圆锥管螺纹螺旋槽丝锥 (PT)

55° Taper Pipe Thread Tap with Spiral Flute



PT

性能特点: Features:

螺纹底孔(Threaded Bottom Hole): L54

该系列产品适用于用英制螺纹密封的不锈钢管件的圆锥管螺纹内螺纹的加工, 丝锥表面TIN处理, 加工的螺纹符合ISO7-1:1994标准的要求。本产品采用优质高速钢W6Mo4Cr4V2材料。加工螺纹精度高, 经久耐用。

This series of products is suitable for processing the internal threads of tapered pipe threads of stainless steel pipe fittings sealed with inch threads. The surface of the tap is treated with TIN, and the processed threads comply with the requirements of ISO7-1:1994 standard. This product uses high-quality high-speed steel W6Mo4Cr4V2 material. High precision and durability in thread processing.

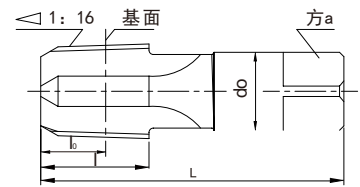
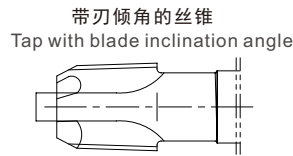
单位 (unit): mm

代码编号 Code number	规格 Thread Size	牙数 T.P.I	L	l	lo	li	do	a	槽数 Flutes	Order Number
	PT1/8	28	55	15	10	2.3	9	7	3	
	PT1/4	19	60	20	12	3.3	11	9	3	
	PT3/8	19	65	22	14	3.3	14	11	4	
	PT1/2	14	70	25	15	3.6	18	14.5	4	
	PT3/4	14	70	26	17	3.6	22	18	4	
	PT1	11	80	30	20	4.5	26	20	5	
	PT1¼	11	85	32	22	5.5	34	26	6	
	PT1½	11	90	32	23	5.5	38	29	6	
	PT2	11	100	35	25	5.5	38	29	7	

60度圆锥管螺纹丝锥

60° Taper Pipe Thread Taps

NPT



性能特点: Features:

螺纹底孔(Threaded Bottom Hole): L54

该系列产品适用于用美制螺纹密封的圆锥管螺纹内螺纹的加工, 可用于加工玛钢件及不锈钢件, 加工的螺纹, 符合GB/T12716-2002 eqv ASME B1. 20. 1-1983 标准的要求, 也可根据用户需求增加刃倾角。

Designed for processing female thread with thread-seal, The thread standard conforms to ASME B1. 20.1-1983, to produce the malleable fittings and stainless steel products.

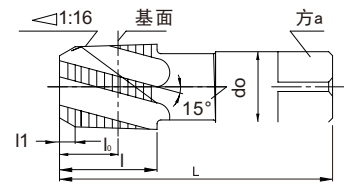
单位 (unit): mm

规格 Thread Size	牙数 T.P.I	L	l	l ₀	do	a	槽数 Flutes	Order Number
NPT1/8-27	27	55	15	10	9	7	4	
NPT1/4-18	18	60	20	12	11	9	4	
NPT3/8-18	18	65	22	14	14	11	4	
NPT1/2-14	14	70	25	15	18	14.5	4	
NPT3/4-14	14	70	26	17	22	18	4	
NPT1-11½	11½	80	30	20	26	20	4	
NPT1¼-11½	11½	85	32	22	34	26	6	
NPT1½-11½	11½	90	32	23	38	29	6	
NPT2-11½	11½	100	35	25	38	29	6	

60度圆锥管螺纹螺旋槽丝锥

60° Taper Pipe Thread Tap with Spiral Flute

NPT



性能特点: Features:

螺纹底孔(Threaded Bottom Hole): L54

该系列产品适用于用英制螺纹密封的不锈钢管件的圆锥管螺纹内螺纹的加工, 丝锥表面TIN处理, 加工的螺纹符合 ISO7-1: 1994 标准的要求。本产品采用优质高速钢W6Mo4Cr4V2材料。加工螺纹精度高, 经久耐用。

This series of products is suitable for processing the internal threads of tapered pipe threads of stainless steel pipe fittings sealed with inch threads. The surface of the tap is treated with TIN, and the processed threads comply with the requirements of ISO7-1:1994 standard. This product uses high-quality high-speed steel W6Mo4Cr4V2 material. High precision and durability in thread processing.94.

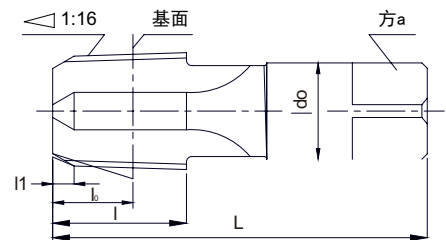
单位 (unit): mm

规格 Thread Size	牙数 T.P.I	L	l	l ₀	do	a	槽数 Flutes	Order Number
NPT1/8-27	27	55	15	10	9	7	4	
NPT1/4-18	18	60	20	12	11	9	4	
NPT3/8-18	18	65	22	14	14	11	4	
NPT1/2-14	14	70	25	15	18	14.5	4	
NPT3/4-14	14	70	26	17	22	18	4	
NPT1-1½	11½	80	30	20	26	20	4	
NPT1¼-11½	11½	85	32	22	34	26	6	
NPT1½-11½	11½	90	32	23	38	29	6	
NPT2-11½	11½	100	35	25	38	29	6	

ANPT圆锥管螺纹丝锥

ANPT Taper Pipe Thread Taps

ANPT



性能特点: Features:

螺纹底孔(Threaded Bottom Hole): L54

该系列产品为美国航空(军用)标准, 适用于严格的螺纹密封的螺纹产品, 螺纹符合ML-P-7105B标准的要求。

Designed for taper pipe thread with thread-seal, Aeronautical National Form, The thread standard conformsto MIL-P-7105B.

单位 (unit): mm

规格 Thread Size	牙数 T.P.I	L	l	l ₀	l ₁	do	a	槽数 Flutes	Order Number
ANPT1/8-27	27	55	15	10	3.0	9	7	4	
ANPT1/4-18	18	60	20	12	3.0	11	9	4	
ANPT3/8-18	18	65	22	14	3.0	14	11	4	
ANPT1/2-14	14	70	25	15	4.0	18	14.5	4	
ANPT3/4-14	14	70	26	17	4.0	22	18	4	
ANPT1-11½	11½	80	30	20	5.0	26	20	4	
ANPT1¼-11½	11½	85	32	22	5.0	34	26	6	
ANPT1½-11½	11½	90	32	23	5.0	38	29	6	
ANPT2-11½	11½	100	35	25	5.0	38	29	6	

螺纹
铣削
系统

丝攻
板牙

整体
螺纹
铣刀

螺纹
铣刀
刀杆
刀片

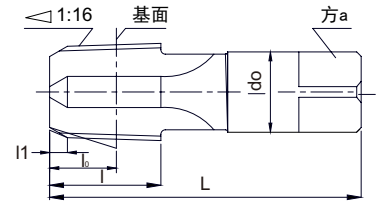
丝攻

板牙

NPTF 圆锥管螺纹丝锥 (干密封)

NPTF Taper Pipe Thread Taps (HSS Dry Seal)

NPTF



性能特点: Features:
 螺纹底孔(Threaded Bottom Hole): L54
 该系列产品适用于干密封管螺纹的加工, 螺纹符合ANSI B1.20.3-1976标准的要求。

These general purpose taps are suitable for tapping most materials. The chips are retained in the flutes during use. Assembly of NPTF thread does not require the sealants. The thread standard conforms to ANSI B1.20.3-1976.

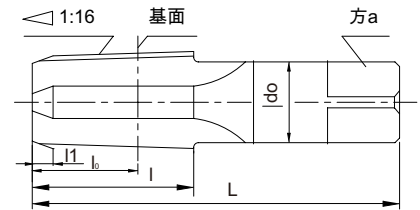
单位 (unit) : mm

规格 Thread Size	牙数 T.P.I	L	l	l ₀	l ₁	do	a	槽数 Flutes	Order Number
NPTF1/8-27	27	55	15	10	3.0	9	7	4	
NPTF1/4-18	18	60	20	12	3.0	11	9	4	
NPTF3/8-18	18	65	22	14	3.0	14	11	4	
NPTF1/2-14	14	70	25	15	4.0	18	14.5	4	
NPTF3/4-14	14	70	26	17	4.0	22	18	4	
NPTF1-11½	11½	80	30	20	5.0	26	20	4	
NPTF1¼-11½	11½	85	32	22	5.0	34	26	6	
NPTF1½-11½	11½	90	32	23	5.0	38	29	6	
NPTF2-11½	11½	100	35	25	5.0	38	29	6	

60°圆锥管螺纹加长丝锥

60° Taper Pipe Thread Taps HSS Bright-Low Hook for Cast Iron

加长NPT



性能特点: Features:
 螺纹底孔(Threaded Bottom Hole): L54
 该系列产品广泛应用于玛钢产品, 因其性能可靠, 还可用于铸铜和其它铜制品等材料的加工, 螺纹标准符合GB/T12716-2002 eqv ASME B1.20.1-1983 标准的要求。

These geometry of these taps are specifically designed for cast iron producing small or powdery chips. They will also work well in cast brass and other brasses which produce similar chips. The chips are retained in the flutes during use. The thread standard conforms to ASME B1.20.1-1983.

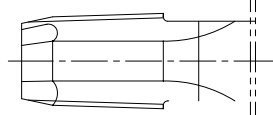
单位 (unit) : mm

规格 Thread Size	牙数 T.P.I	L	l	l ₀	l ₁	do	a	槽数 Flutes	Order Number
NPT1/8-27	27	54	19.1	12.03	2.5	11.11	8.33	4	
NPT1/4-18	18	61.9	27	17.44	3.5	14.29	10.69	4	
NPT3/8-18	18	65.1	27	17.63	3.5	17.78	13.49	4	
NPT1/2-14	14	79.4	34.9	22.83	4.5	17.46	13.08	4	
NPT3/4-14	14	82.6	34.9	22.96	4.5	23.02	17.25	5	
NPT1-11½	11½	95.3	44.5	27.38	5.5	28.58	21.41	5	
NPT1¼-11½	11½	101.6	44.5	28.09	5.5	33.34	24.99	5	
NPT1½-11½	11½	108	44.5	28.42	6.0	38.10	28.58	7	
NPT2-11½	11½	114.3	44.5	28.02	6.0	47.63	35.71	7	

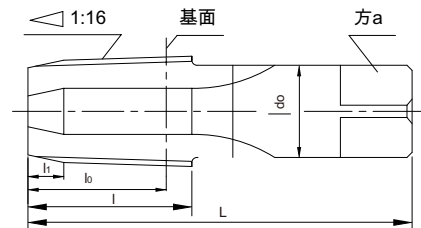
美标气瓶锥螺纹丝锥

NGT Taper Thread Tap for Gas Cylinder

NGT



可加工带刃倾角的丝锥
Machinable tap with edge inclination angle



性能特点: Features:
 该系列产品加工的螺纹符合 ANSI5.7.1 中 NGT 气瓶锥螺纹标准。

Designed for NGT taper thread of gas cylinder. The thread standard conforms to ANSI5.7.1.

单位 (unit) : mm

规格 Thread Size	牙数 T.P.I	L	l	l ₀	l ₁	do	a	槽数 Flutes	Order Number
NGT3/8-18	18	70	28	21	6.0	14	11	3	
NGT1/2-14	14	75	32	27	7.0	18	14.5	3	
NGT3/4-14	14	80	37.5	30	7.0	22	18	3	
NGT1-11½	11½	90	40	33	9.0	25	20	3	
NGT2-11½	11½	100	45	38	9.0	40	31.5	6	

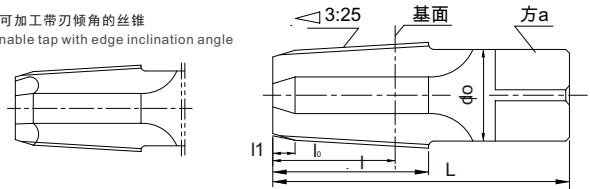
气瓶锥螺纹丝锥

Taper Thread Tap for Gas Cylinder

PZ



可加工带刃倾角的丝锥
Machinable tap with edge inclination angle



性能特点: Features:

该系列产品用于氧气、乙炔气、液化石油气、二氧化碳等钢瓶瓶口具有 3:25 锥度、牙型角平分线垂直于锥体母线的瓶口内螺纹的加工。

加工出的螺纹符合国标 GB8335-2011, 其余根据用户要求特订。

Designed for processing female thread for mouth which owns 3:25 taper, and bisector of thread form angle of steel cylinder in which is oxygen, acetylene, LPG, CO2. The thread standard conforms to GB/T8335-2011.

单位 (unit): mm

规格 Thread Size	牙数 T.P.I	L	l	l ₀	l ₁	do	a	槽数 Flutes	Order Number
*PZ19.2	14	75	32	27	6.0	16	12.5	3	
PZ19.8	14	75	38	32	6.0	18	14.5	3	
PZ25.4	14	80	42	36	6.0	22	18	3	
*PZ27.8	14	80	40	33	6.0	25	20	3	
PZ30.3	14	80	40	33	6.0	25	20	3	
*PZ39	12	90	42	34	7.0	31.5	25	4	

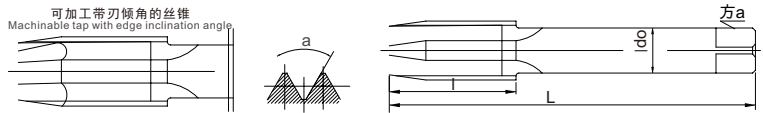
建筑套筒用螺纹丝锥

Building Sleeves Joint Tap

建筑



可加工带刃倾角的丝锥
Machinable tap with edge inclination angle



性能特点: Features:

该系列产品是特殊订货产品, 适用于加工建筑接箍套筒内螺纹, 螺距、牙型角可根据用户要求设计, 可特定螺旋槽丝锥、带刃倾角的丝锥。

Suitable for building joint sleeve female thread. This product is special. The pitch and teeth angle are decided by the customers. And we accept the orders including spiral flute and spiral point taps.

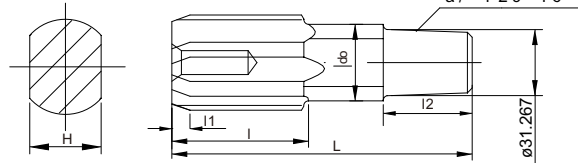
单位 (unit): mm

规格 Thread Size	L	l	do	a	槽数 Flutes	α			Order Number
JZTT-12#	90	32	10	8	3	60°	70°	75°	
JZTT-14#	100	40	11.2	9	4	60°	70°	75°	
JZTT-16#	120	45	12.5	10	3	60°	70°	75°	
JZTT-18#	125	45	14	11.2	4	60°	70°	75°	
JZTT-20#	130	45	16	12.5	4	60°	70°	75°	
JZTT-22#	140	45	18	14	4	60°	70°	75°	
JZTT-25#	150	55	20	16	4	60°	70°	75°	
JZTT-28#	160	55	20	16	4	60°	70°	75°	
JZTT-32#	170	55	22.4	18	4	60°	70°	75°	
JZTT-36#	190	55	25	20	4	60°	70°	75°	
JZTT-40#	200	55	28	22.4	4	60°	70°	75°	

暖气片丝锥

Radiator Tap

暖气片



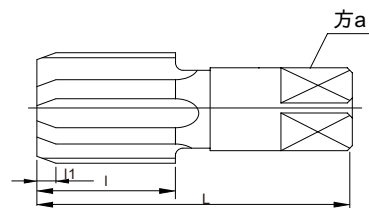
性能特点: Features:

该系列产品适用于大立柱式暖气片丝锥上左、右旋内螺纹的加工。

Designed for the big column radiator. Its thread is in left and in right thread.

单位 (unit): mm

规格 Thread Size	牙数 T.P.I	L	l	l ₁	l ₂	do	H	槽数 Flutes	Order Number
LH1/1	11	145	60	5.0	39	40	31.6	4	
LH1¼/1¼	11	148	71	5.0	39	40	31.6	6	
LH1½/1½	11	150	70	5.0	49	40	31.6	6	



单位 (unit): mm

规格 Thread Size	牙数 T.P.I	L	l	l ₁	do	H	槽数 Flutes	Order Number
LH1½/1½	11	105	48	6.0	38	29	6	

螺纹
铣削
系统

丝攻
板牙

整体
螺纹
铣刀

螺纹
铣刀
刀杆
刀片

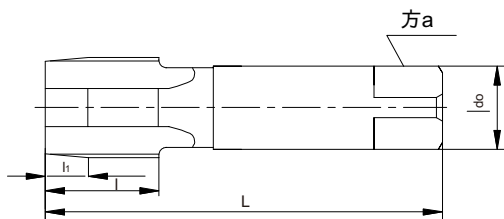
丝攻

板牙

NPSC、NPSL 钢管丝锥

NPSC (NPSL) Pipe Steel Taps

NPS..



性能特点: Features:

该系列产品加工符合美国标准螺纹 H28 钢管圆柱内螺纹。

This product is suitable to produce the female thread of pipe steel. The thread standard conforms to H28 (America Standard)

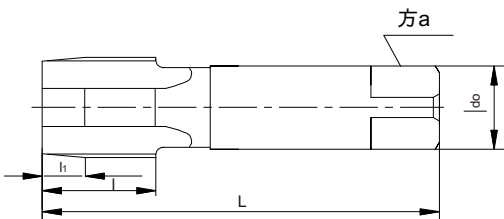
单位 (unit) : mm

规格 Thread Size	牙数 T.P.I	L	l	l ₁	do	a	槽数 Flutes	Order Number
NPSC1/8	NPSL1/8	27	60	15	9	8.0	6.3	3
NPSC1/4	NPSL1/4	18	80	25	13	11.0	9	3
NPSC3/8	NPSL3/8	18	90	25	13	14.0	11	3
NPSC1/2	NPSL1/2	14	95	30	17	18.0	14.5	4
NPSC3/4	NPSL3/4	14	105	30	17	22.0	18	4
NPSC1	NPSL1	11½	115	35	21	26.0	20	4
NPSC1¼	NPSL1¼	11½	125	35	21	34.0	26	6
NPSC1½	NPSL1½	11½	130	35	21	38.0	29	6
NPSC2	NPSL2	11½	130	35	21	38.0	29	6

Rp 钢管丝锥

Rp Pipe Steel Taps

钢管 Rp



性能特点: Features:

该系列产品加工符合GB/T7306.1-2000标准螺纹的钢管圆柱内螺纹。

It conforms to GB/T7306.1-2000 (Cylinder female thread for pipe steel).

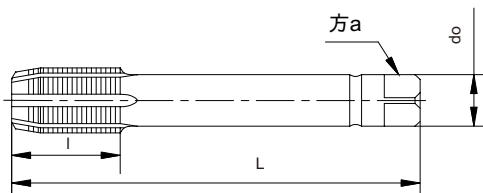
单位 (unit) : mm

规格 Thread Size	牙数 T.P.I	L	l	l ₁	do	a	槽数 Flutes	Order Number
Rp1/8	28	60	15	9	8.0	6.3	3	
Rp1/4	19	80	25	13	11.0	9	3	
Rp3/8	19	90	25	13	14.0	11	3	
Rp1/2	14	95	30	17	18.0	14.5	4	
Rp3/4	14	105	30	17	22.0	18	4	
Rp1	11	115	35	21	26.0	20	4	
Rp1¼	11	125	35	21	34.0	26	6	
Rp1½	11	130	35	21	38.0	29	6	
Rp2	11	130	35	21	38.0	29	6	

抽油杆接箍挤压丝锥

Extruding Tap for Sucker Rod Joint

抽油杆



性能特点: Features:

该系列产品适用于抽油杆接箍内螺纹的挤压成形 (分为通孔和盲孔两种形式), 加工出的螺纹符合SY/T5029-2003、SY/T5550-2006标准的要求。

Designed for the sucker rod joint. The tap is divided into through and blind ones. The thread standard conformsto sY/T5029-2003, sY/T5550-2006.

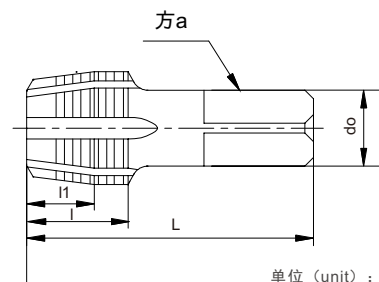
单位 (unit) : mm

规格 Thread Size	L	l	do	a	槽数 Flutes	Order Number
YG5/8	170	40	18	14.32	6	
YG5/8	170	40	24	17.75	8	
YG7/8	170	40	24	17.75	8	
YG1	170	40	24	17.75	8	
YG1 ^{1/8}	170	40	32	23.72	10	
YG1 ^{3/4}	200	40	32	23.72	10	
YG1 ^{7/8}	200	40	36	28	10	

桶盖挤压丝锥

Extruding Tap for Barrel Cap

桶盖



单位 (unit) : mm

性能特点: Features:

该系列产品适用于桶盖内螺纹的挤压成形。

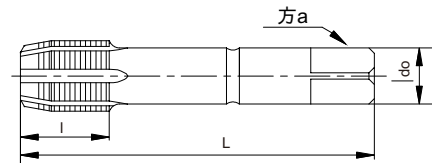
The series tap is designed for barrel cap female thread to be extruded

规格 Thread Size	牙数 T.P.I	L	l	l ₁	do	a	槽数 Flutes	Order Number
TC1/2	14	66	24	16	14	11	8	
TC3/4	14	68	24	16	18	14	8	
TC2	14	77	30	19	38	30	14	

滤清器普通螺纹挤压丝锥

Metric Extruding Tap for Filter

滤清器



单位 (unit) : mm

性能特点: Features:

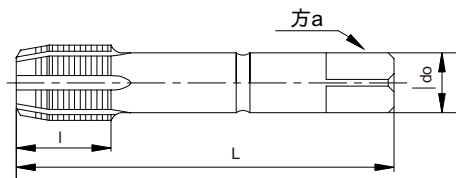
该系列产品适用于滤清器内螺纹的挤压成形, 加工出的螺纹符合GB/T192-2003、193-2003、196-2003、197-2003螺纹标准的要求。

Designed for the filter. The thread standard conforms to GB/T192-2003, 193-2003, 196-2003, 197-2003.

规格 Thread Size	p	L	l	do	a	槽数 Flutes	Order Number
LQQ-M12	1.5	75	24	9.0	7.1	4	
LQQ-M14	1.25/1.5	85	25	11.2	9	6	
LQQ-M16	1/1.5/2	100	25	12.5	10	6	
LQQ-M17	1.25	100	25	15	11.2	6	
LQQ-M18	1.5/2	100	25	15	11.2	6	
LQQ-M20	1/1.5/2	100	25	15	11.2	6	
LQQ-M22	1/1.5/2	110	28	15	11.2	6	
LQQ-M23	1/1.5	110	28	18	14	6	
LQQ-M24	1.5/2	110	28	18	14	6	
LQQ-M25	1.5/2	110	28	18	14	6	
LQQ-M26	1.5/2	110	28	18	14	6	
LQQ-M27	1.5/2	110	28	18	14	8	
LQQ-M30	1.5/2	110	28	26	20	8	
LQQ-M32	1.5/2	110	28	26	20	8	
LQQ-M33	1.5	110	28	26	20	8	
LQQ-M36	1.5/2	110	28	34	20	10	
LQQ-M38	1.5/2	120	30	34	29	10	
LQQ-M39	1.5	120	30	34	29	10	
LQQ-M40	1.5/2	120	30	34	29	10	
LQQ-M41	1.5	120	30	34	29	10	
LQQ-M42	1.5/2	120	30	34	29	10	
LQQ-M48	5	120	30	34	29	12	

滤清器统一螺纹挤压丝锥

Unified Extruding Tap for Filter



单位 (unit) : mm

性能特点: Features:

该系列产品适用于滤清器内螺纹的挤压成形, 加工出的螺纹符合美国统一螺纹标准ANSI-B1.1的要求。

Designed for the filter. The thread standard conforms to ANSI B1.1.

规格 Thread Size	牙数 T. P. I			L	l	do	a	槽数 Flutes	Order Number
	UN	UNF	UNS						
LQQ-5/8		18		100	25	12.5	10	6	
LQQ-11/16	12/16			100	25	12.5	10	6	
LQQ-3/4	12	16		100	25	15	11.2	6	
LQQ-13/16	12/16		18	100	25	15	11.2	6	
LQQ-7/8	16	14		110	28	15	11.2	6	
LQQ-15/16	16			110	28	18	14	6	
LQQ-1	16	12		110	28	18	14	6	
LQQ-1 ¹ / ₁₆	12/16			110	28	18	14	8	
LQQ-1 ¹ / ₈	16	12		110	28	18	14	8	
LQQ-1 ¹ / ₄	16	12	14	110	28	18	14	8	
LQQ-1 ⁵ / ₁₆	12			120	30	26	20	8	
LQQ-1 ³ / ₈	16	12		110	28	26	20	10	
LQQ-1 ¹ / ₂	16	12		120	30	34	29	10	
LQQ-1 ⁵ / ₈	12			120	30	34	29	10	
LQQ-1 ³ / ₄	12/16			120	30	34	29	10	
LQQ-1 ¹ / ₄	12			120	30	34	29	14	
LQQ-2 ¹ / ₂	12			120	30	38	29	14	

螺纹
铣削
系统

丝攻
板牙

整体
螺纹
铣刀

螺纹
铣刀
刀杆
刀片

丝攻

板牙

梯形丝锥

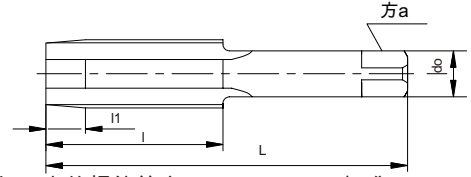
Trapezoidal Thread Taps

TR..

性能特点: Features:

该产品适用于冷水嘴、低压阀门等产品上左、右旋的梯形内螺纹的加工，加工出的螺纹符合 GB5796-2005 标准。

Designed for processing female trapezoidal threads (right and left thread) in the cold-water mouth pieces or low-pressure valves. The thread conforms to GB5796-2005. 单位 (unit): mm



规格 Thread Size	P	L	l	l1	do	a	槽数 Flutes	Order Number
GB-PO-Tr9×2L	2	75	30	6	8	6.2	3	
GB-PO-Tr10×3L	3	80	40	9	8	6.2	4	
GB-PO-Tr12×3L	3	85	45	9	9	7	4	
GB-PO-Tr14×3L	3	95	45	9	10	8	4	
GB-PO-Tr16×3L	3	100	48	9	12	10	4	
GB-PO-Tr16×4L	4	100	48	9	12	10	4	
GB-PO-Tr18×4L	4	105	50	12	12	10	4	
GB-PO-Tr20×4L	4	110	55	12	14	11	4	
GB-PO-Tr12×3S	3	65	26	5	14	11	4	
GB-PO-Tr14×3S	3	65	26	5	14	11	4	

防松螺母丝锥

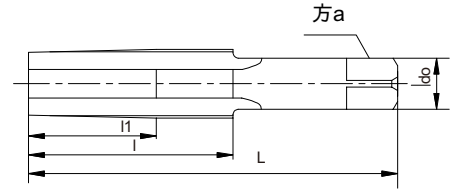
Anti-loose Locknut Tap

防松螺母

性能特点: Features:

适用于美国施必牢防松螺母螺纹的加工。

Suitable for America spirallock's anti-loose locknut.



单位 (unit): mm

规格 Thread Size	P	L	l	l1	do	a	槽数 Flutes	Order Number
NS-M24	3	130	72/66	45/6.5	18	14	4	
NS-M27	3	130	72	45	22.4	18	4	

马氏体专用螺旋槽公制丝锥

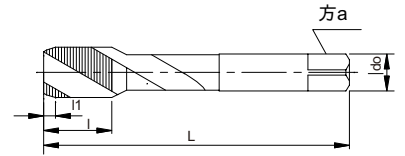
Spiral Flute Metric Tap for Martensite Steel

马氏体

性能特点: Features:

用于汽车行业马氏体材料螺纹的加工。

Suitable to process the martensite materials of in automotive industry



单位 (unit): mm

规格 Thread Size	P	L	l	l1	do	a	槽数 Flutes	刀具材料 Raw Materials	Order Number
MST-M14	1.5	88	31	4.0	10.5	8.0	3	M42	
MST-M16	1.5	102	23	4.0	10.5	10.0	4	M42	

专用公制丝锥

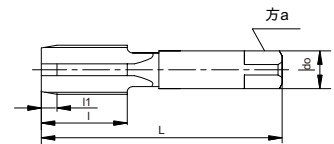
Special Metric Tap

阀门

性能特点: Features:

该产品适用于低压阀门及其他行业产品上内螺纹的加工，加工出的螺纹符合 192、193、196、197、老二级）精度。

Design according to the old standard. The thread standard conforms to 192, 193, 196, 197.

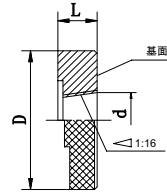


单位 (unit): mm

规格 Thread Size	P	L	l	l1	do	a	槽数 Flutes	Order Number
FM-M14	1/1.5	70	25	2P	10.5	8	4	
FM-M16	1/1.5	80	28	2P	12.5	10.0	4	
FM-M18	1/1.5/2	90	32	2P	14	11	4	
FM-M20	1/1.5/2	90	32	2P	16	12	4	
FM-M22	1/1.5/2	90	32	2P	18	14.5	4	
FM-M25	1.5	95	32	2P	20	16	4	
FM-M30	1/1.5/2	105	36	2P	24	18	4	
FM-M32	1.5/2	115	40	2P	26	20	4	
FM-M35	1.5	115	40	2P	26	20	4	
FM-M36	1.5/2	125	45	2P	28	22	6	
FM-M38	1.5/2	125	45	2P	28	22	6	
FM-M39	1.5/2	130	45	2P	32	24	6	
FM-M40	2	130	45	2P	32	24	6	
FM-M42	1.5/2	130	45	2P	34	26	6	
FM-M45	1.5/2	140	50	2P	36	29	6	
FM-M48	1.5/2	150	50	2P	38	29	6	
FM-M50	2	150	50	2P	38	29	6	
FM-M52	1.5/2	150	50	2P	38	29	6	
FM-M54	2	150	50	2P	35.5	28	6	

55° 圆锥管螺纹削 u 值平顶全牙型工作螺纹环规

RB Work Ring Gauge



性能特点: Features:

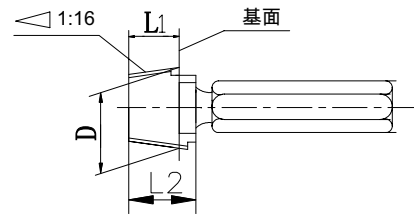
该系列产品适用于用螺纹密封的圆锥外螺纹的综合测量, 环规的设计依据标准 JB/T10031-1999。
Suitable for checking the taper male thread (thread-seal fittings). It conforms to JB/T10031-1999.

单位 (unit): mm

规格 Thread Size	牙数 T.P.I	L	D	d	Order Number
LWHG-R _B 1/2	14	9.979	45	18.875	
LWHG-R _B 3/4	14	11.339	48	30.608	
LWHG-R _B 1	11	12.700	56	39.269	
LWHG-R _B 1¼	11	15.009	72	39.269	
LWHG-R _B 1½	11	15.009	80	45.162	
LWHG-R _B 2	11	18.184	90	56.973	
LWHG-R _B 2½	11	20.926	115	72.537	
LWHG-R _B 3	11	24.101	135	85.237	
LWHG-R _B 3½	11	25.663	155	97.683	
LWHG-R _B 4	11	28.864	175	110.383	
LWHG-R _B 5	11	32.039	200	135.783	
LWHG-R _B 6	11	32.039	235		

55° 圆锥管螺纹削U值平顶全牙型工作螺纹塞规

55° taper pipe thread cutting U-value flat top full tooth working thread plug gauge



性能特点: Features:

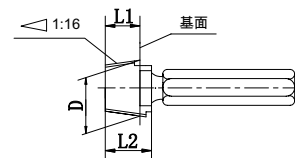
该系列产品适用于螺纹密封的圆锥内螺纹及圆柱内螺纹的综合测量, 塞规的设计依据标准 JB/T10031-1999。
Suitable for checking the taper female and cylinder female thread. The standard conforms to JB/T10031-1999.

单位 (unit): mm

规格 Thread Size	牙数 T.P.I	L1	L2	D	Order Number
LWSG-R _B 1/8	28	3.969	6.69	9.594	
LWSG-R _B 1/4	19	6.016	10.03	12.959	
LWSG-R _B 3/8	19	6.350	10.36	16.464	
LWSG-R _B 1/2	14	8.164	13.6	20.687	
LWSG-R _B 3/4	14	9.525	15.0	26.173	
LWSG-R _B 1	11	10.391	17.3	32.908	
LWSG-R _B 1¼	11	12.700	19.6	41.569	
LWSG-R _B 1½	11	12.700	19.6	47.462	
LWSG-R _B 2	11	15.875	22.8	59.273	
LWSG-R _B 2½	11	17.463	24.4	74.843	
LWSG-R _B 3	11	20.638	27.6	87.543	
LWSG-R _B 3½	11	22.20	29.1	99.989	
LWSG-R _B 4	11	25.401	32.3	112.689	
LWSG-R _B 5	11	28.576	35.5	138.089	
LWSG-R _B 6	11	28.576	35.5	163.489	

NPT 圆锥管螺纹工作螺纹塞规 (极限型式)

NPT Work Plug Gauge



性能特点: Features:

该系列产品适用于螺纹密封的圆锥内螺纹及圆柱内螺纹的综合测量, 塞规的设计依据标准 JB/T10031-1999。
Designed for checking the taper female thread. It conforms to FED-STD-H28: ANSI B47.1.

单位 (unit): mm

规格 Thread Size	牙数 T.P.I	L1	L2	D	Order Number
LWSG-NPT1/8-27	27	4.102	6.702	10.116	
LWSG-NPT1/4-18	18	5.786	10.205	13.427	
LWSG-NPT3/8-18	18	6.096	10.358	16.866	
LWSG-NPT1/2-14	14	8.128	13.556	20.980	
LWSG-NPT3/4-14	14	8.611	13.861	26.326	
LWSG-NPT1-11½	11½	10.160	17.343	32.932	
LWSG-NPT1¼-11½	11½	10.668	17.952	41.689	
LWSG-NPT1½-11½	11½	10.668	18.376	47.758	
LWSG-NPT2-11½	11½	11.074	19.216	59.796	
LWSG-NPT2½-8	8	17.323	28.89	72.273	
LWSG-NPT3-8	8	19.456	30.48	88.182	
LWSG-NPT3½-8	8	20.853	31.75	100.891	
LWSG-NPT4-8	8	21.438	33.02	113.548	
LWSG-NPT5-8	8	23.800	35.72	140.527	
LWSG-NPT6-8	8	24.333	38.42	167.366	

螺纹
铣削
系统

丝攻
板牙

整体
螺纹
铣刀

螺纹
铣刀
刀杆
刀片

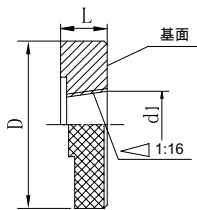
丝攻

板牙

NPT 圆锥管螺纹工作螺纹环规 (极限型式)

NPT Work Ring Gauge

单位 (unit) : mm



性能特点: Features:

该系列产品按美国标准H28 设计, 符合美国国家标准ANSI B47.1 的要求。

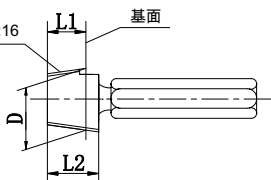
Designed according to America Standard H28. The thread standard conforms to ANSI B47.1.

规格 Thread Size	牙数 T.P.I	L1	L2	D	Order Number
LWHG-NPT1/2-14	14	9.942	45	18.564	
LWHG-NPT3/4-14	14	10.425	48	23.909	
LWHG-NPT1-11½	11½	12.369	56	29.990	
LWHG-NPT1¼-11½	11½	12.877	72	38.747	
LWHG-NPT1½-11½	11½	12.877	80	44.816	
LWHG-NPT2-11½	11½	13.283	90	56.854	
LWHG-NPT2½-8	8	20.498	115	68.044	
LWHG-NPT3-8	8	22.631	135	83.953	
LWHG-NPT3½-8	8	24.028	155	96.661	
LWHG-NPT4-8	8	24.613	175	109.318	
LWHG-NPT5-8	8	26.975	200	136.297	
LWHG-NPT6-8	8	27.508	235	163.137	

单位 (unit) : mm

德标螺纹极限塞规

Rp Work Plug Gauge



性能特点: Features:

该系列产品设计依据德国标准DIN2999.

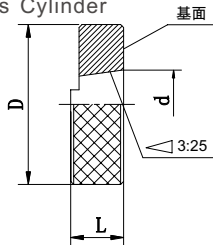
Designed for checking the cylinder female thread.

It conforms to DIN2999.

规格 Thread Size	牙数 T.P.I	L1	L2	D	Order Number
LWSG-R1/8	28	4.01	5.6	9.666	
LWSG-R1/4	19	6.06	8.4	13.065	
LWSG-R3/8	19	6.46	8.8	16.570	
LWSG-R1/2	14	8.22	11.4	20.823	
LWSG-R3/4	14	9.52	12.7	26.309	
LWSG-R1	11	10.46	14.5	33.078	
LWSG-R1¼	11	10.46	14.5	41.739	
LWSG-R1½	11	10.46	14.5	47.632	
LWSG-R2	11	10.96	15.0	59.443	
LWSG-R2½	11	12.88	17.5	75.015	
LWSG-R3	11	13.88	18.5	87.715	
LWSG-R4	11	15.38	20.0	112.861	

气瓶圆锥光滑环规

Taper Smooth Ring for Gas Cylinder



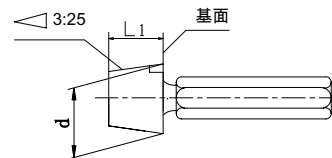
性能特点: Features:

该系列产品适用于氧气、乙炔气、液化石油气、二氧化碳等钢瓶瓶尾部圆锥外螺纹大径、锥度的测量, 环规的设计依据国标 GB/T8336-2011.

Designed for checking the taper of the minor diameter of female thread for steel cylinder in which is oxygen, acetylene, LPG, CO2, the standard conforms to GB/T8336-2011.

气瓶圆锥光滑环规

Taper Smooth Ring for Gas Cylinder



性能特点: Features:

该系列产品适用于氧气、乙炔气、液化石油气、二氧化碳等钢瓶瓶口圆锥内螺纹小径锥度的测量。塞规的设计依据国标 GB/T8336-2011.

Designed for checking the taper of the minor diameter of female thread for steel cylinder in which is oxygen, acetylene, LPG, CO2, the standard conforms to GB/T8336-2011.

单位 (unit) : mm

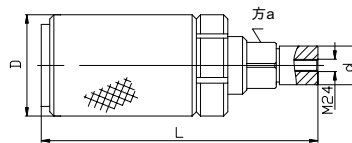
规格 Thread Size	L1	L2	D
YZHG-PZ19.2	16.00	40	19.2
YZHG-PZ27.8	17.67	48	27.8
YZHG-PZ30.3	17.67	52	30.3
YZHG-PZ39	17.67	60	39

单位 (unit) : mm

规格 Thread Size	L1	D
YZSG-PZ19.2	16.00	16.876
YZSG-PZ27.8	17.67	25.476
YZSG-PZ30.3	17.67	27.976
YZSG-PZ39	17.67	36.290

R、NPT 圆锥管螺纹梳刀体

R (NPT) Die Chaser Body



性能特点: Features:

R、NPT 系列圆锥管螺纹梳刀体与本公司生产的 R、NPT 圆锥管螺纹梳刀片配套使用。该系列产品适用于螺纹密封的管螺纹 (R、NPT) 圆锥外螺纹的加工, 加工出的螺纹符合

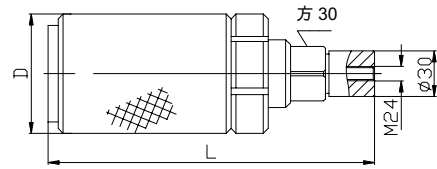
GB/T7306.2-2000 eqvISO7-1:1994、ASME B1.20.1-1983 和 GB/T12716-2002 标准的要求。Designed for external thread, to equipped with our die chaser. The thread standard conforms to GB/T7306.2-2000 eqv ISO7-1:1994; ASME B1.20.1-1983 and GB/T12716-2002 (NPT).

单位 (unit) : mm

规格 Thread Size	D	L	a	d	槽数 Flutes	配套用梳刀片尺寸 Die Chaser	Order Number
LWSDT-R1/2	NPT1/2	58	180	30	30	85×6×12	
LWSDT-R3/4	NPT3/4	63	180	30	30	85×6×12	
LWSDT-R1	NPT1	77	190	30	30	95×8×15	
LWSDT-R1¼	NPT1¼	85	190	30	30	95×8×15	
LWSDT-R1½	NPT1½	91	190	30	30	95×8×15	
LWSDT-R2	NPT2	102	190	30	30	95×8×15	
LWSDT-R2½	NPT2½	122	208	50	50	100×9.5×16	
LWSDT-R3	NPT3	135	208	50	50	100×9.5×16	
LWSDT-R3½	NPT3½	147	220	50	50	100×9.5×16	
LWSDT-R4	NPT4	160	220	50	50	100×9.5×16	
LWSDT-R5	NPT5	189	230	50	50	100×9.5×16	
LWSDT-R6	NPT6	215	230	50	50	100×9.5×16	

R、NPT 圆锥管螺纹梳刀体 (刀把式)

R (NPT) Die Chaser Body (Hilt Type)



性能特点: Features:

R、NPT 系列圆锥管螺纹梳刀体 (刀把式) 与本公司生产的 R、NPT 圆锥管螺纹刀把梳刀片 (单独订货) 配套使用。该系列产品适用于螺纹密封的管螺纹 (R、NPT) 圆锥外螺纹的加工, 加工出的螺纹符合 GB/T7306.2-2000 eqv ISO7-1:1994、ASME B1.20.1-1983 和 GB/T12716-2002 标准的要求。

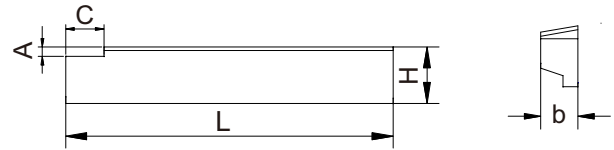
Designed for external thread, to equipped with our die chaser. The thread standard conforms to GB/T7306.2-2000 eqv ISO7-1:1994; ASME B1.20.1-1983 and GB/T12716-2002(NPT). 单位 (unit): mm

规格 Thread Size		D	L	槽数 Flutes	配套用梳刀片尺寸 Die Chaser	Order Number
LWSDB-R1/8	NPT1/8	56	180	4	80×4×17	
LWSDB-R1/4	NPT1/4	60	180	4	80×6×17	
LWSDB-R3/8	NPT3/8	65	180	4	80×6×17	
LWSDB-R1/2	-	66	185	4	85×6×17	
LWSDB-R3/4	-	72	185	4	85×6×17	

出口梳刀片

Die Chaser for Exporting

LWSDP..

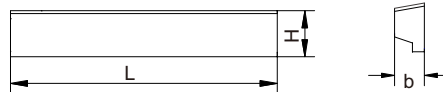


性能特点: Features:

PT 系列、NPT 系列产品适用于螺纹密封的外螺纹的加工, 与本公司生产的出口梳刀体配套使用。加工出的螺纹分别符合 GB/T7306.2-2000 eqvISO7-1:1994、ASME B1.20.1-1983 和 GB/T12716-2002 (NPT) 标准的要求。梳刀片的结构尺寸符合日本 SAKAI 标准。

According to the customers, die chaser dimension is same as SAKAI 's and Taiwan's products. The thread standard conforms to GB/T7306.2-2000 eqv ISO7-1:1994, ASME B1.20.1-1983 and GB/T12716-2002 (NPT). 单位 (unit): mm

规格 Thread Size		α	L	b	H	A	C	牙数 T.P.I	Order Number	
PT1/4	NPT1/4	55°	60°	55	6.0	13.9	3	10	19	18



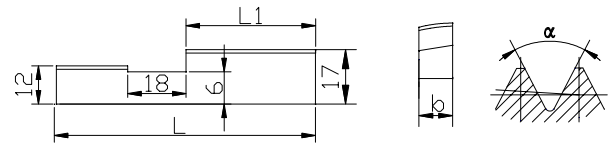
LWSDP..

单位 (unit): mm

规格 Thread Size		α	L	b	H	牙数 T.P.I	Order Number	
PT1/8	NPT1/8	55°	60°	40	4	13.9	28	27
PT3/8	NPT3/8	55°	60°	55	6	12.1	19	18
PT1/2-3/4	NPT1/2-3/4	55°	60°	70	6.5	15.2	14	14
PT1	NPT1	55°	60°	70	8	15.2	11	11.5
PT1¼-2	NPT1¼-2	55°	60°	80	8	15.2	11	11.5
PT2½-4	NPT2½-4	55°	60°	100	8	15.2	11	8

R、NPT 圆锥管螺纹刀把梳刀片

R (NPT) Die Chaser (Hilt Type)



性能特点: Features:

R 系列、NPT 系列产品适用于螺纹密封的外螺纹的加工, 与本公司生产的 R、NPT 圆锥管螺纹刀把梳刀体配套使用。加工出的螺纹分别符合GB/T7306.2-2000 eqv ISO7-1:1994 ASME B1.20.1-1983 和GB/T12716-2002 (NPT) 标准的要求。

Designed for external thread, to equipped with our die chaser body. The thread standard conforms to GB/T7306.2-2000 eqv ISO7-1:1994; ASME B1.20.1-1983 and GB/T12716-2002(NPT).

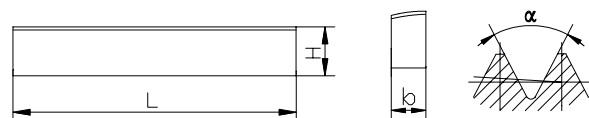
LWSDP..

单位 (unit): mm

规格 Thread Size		L	b	L1	α
R14牙D		85	6	40	55°
R19牙D	R19牙D	80	6	30	55° 60°
R28牙D	R28牙D	80	6	30	55° 60°

R、NPT 圆锥管螺纹梳刀片

R (NPT) Die Chaser



性能特点: Features:

R系列、NPT系列产品适用于螺纹密封的外螺纹的加工, 与本公司生产的 R、NPT圆锥管螺纹梳刀体配套使用。加工出的螺纹分别符合GB/T7306.2-2000 eqv ISO7-1:1994 ASME B1.20.1-1983和GB/T12716-2002 (NPT) 标准的要求。

Designed for external thread, to equipped with our die chaser body. The thread standard conforms to GB/T7306.2-2000 eqv ISO7-1:1994; ASME B1.20.1-1983 and GB/T12716-2002 (NPT).

LWSDP..

单位 (unit): mm

规格 Thread Size		L	b	H	α	适用范围 Scope
R14牙	NPT14牙	85	6	12	55°	60° 1/2"-3/4"
R11牙	NPT11½牙	95	8	15	55°	60° 1"-2"
R11牙	NPT8牙	110	9.5	16	55°	60° 2¼"-4"

螺纹攻牙下孔径(钻头)参考(1) 公制 the metric system

Hole diameter under thread tapping (bit) reference (1)



丝锥规格 Tap Size	钻头 Drill Size	D1(mm)		丝锥规格 Tap Size	钻头 Drill Size	D1(mm)		丝锥规格 Tap Size	钻头 Drill Size	D1(mm)	
		Min	Max			Min	Max			Min	Max
M1.0× 0.25	0.75	0.729	0.799	M12× 1.75	10.2	10.106	10.441	M30×3.5	26.5	26.211	26.771
	0.2	0.783	0.843		1.5	10.376	10.676		3.0	27.0	26.752
M1.1× 0.25	0.85	0.829	0.899		1.25	10.647	10.912		2.0	28.0	27.835
	0.2	0.883	0.943		1.0	10.917	11.153		1.5	28.5	28.376
M1.2× 0.25	0.95	0.929	0.999		0.75	11.188	11.378		1.0	29.0	28.917
	0.2	1.0	0.983		0.5	11.459	11.599	M32×2.0	30.0	29.835	30.21
M1.4× 0.3	1.1	1.075	1.16	M13× 1.75	11.2	11.106	11.441		1.5	30.5	30.376
	0.2	1.2	1.183	M14× 2.0	12.0	11.835	12.210	M33×3.5	29.5	29.211	29.771
M1.6× 0.35	1.25	1.221	1.321		1.5	12.376	12.676		3.0	30.0	29.752
	0.2	1.4	1.383		1.25	12.647	12.912		2.0	31.0	30.835
M1.7× 0.35	1.35	1.321	1.421	M15× 2.0	13.0	12.917	13.153		1.5	31.5	31.376
	0.2	1.5	1.483		1.5	13.376	13.676	M35×1.5	33.5	33.376	33.676
M1.8× 0.35	1.45	1.421	1.521		1.0	13.917	14.153	M36×4.0	32.0	31.67	32.27
	0.2	1.6	1.583	M16× 2.0	14.0	13.835	14.21		3.0	33.0	32.752
M2.0× 0.4	1.6	1.567	1.679		1.5	14.376	14.676		2.0	34.0	33.835
	0.25	1.75	1.729		1.0	14.917	15.153		1.5	34.5	34.376
M2.2× 0.45	1.75	1.713	1.838	M17× 1.5	15.5	15.376	15.676	M38×1.5	36.5	36.376	36.676
	0.25	1.95	1.929		1.0	16.0	16.153	M39×4.0	35.0	34.67	35.27
M2.3× 0.4	1.9	1.867	1.979	M18× 2.5	15.5	15.294	15.744		3.0	36.0	35.752
	0.25	2.05	2.029		2.0	16.0	16.21		2.0	37.0	36.835
M2.5× 0.45	2.05	2.013	2.138		1.5	16.376	16.676		1.5	37.5	37.376
	0.35	2.15	2.221	M19× 2.5	16.5	16.294	16.744	M40×3.0	37.0	36.752	37.252
M2.6× 0.45	2.15	2.113	2.238		1.5	17.376	17.676		2.0	38.0	37.835
	0.35	2.25	2.321		1.0	17.917	18.153		1.5	38.5	38.376
M3.0× 0.5	2.5	2.459	2.599	M20× 2.5	17.5	17.294	17.744	M42×4.5	37.5	37.129	37.799
	0.35	2.65	2.721		2.0	18.0	18.21		4.0	38.0	37.67
M3.5× 0.6	2.9	2.85	3.010		1.5	18.376	18.676		3.0	39.0	38.752
	0.35	3.15	3.221	M22× 2.5	19.0	18.917	19.153		2.0	40.0	39.835
M4.0× 0.7	3.3	3.242	3.422		1.0	19.294	19.744	M45×4.5	40.5	40.129	40.799
	0.5	3.5	3.459	M22× 2.0	20.0	19.835	20.21		4.0	41.0	40.67
M4.5× 0.75	3.8	3.688	3.878		1.5	20.376	20.676		3.0	42.0	41.752
	0.5	4.0	3.959	M23× 2.0	21.0	20.917	21.153		2.0	43.0	42.835
M5.0× 0.8	4.2	4.134	4.334		1.5	20.294	20.744		1.5	43.5	43.376
	0.5	4.5	4.599	M24× 3.0	21.0	20.752	21.252	M48×5.0	43.0	42.587	43.297
M5.5× 0.5	5.0	4.959	5.099		2.0	21.835	22.21		4.0	44.0	43.67
M6.0× 1.0	5.0	4.917	5.153	M24× 2.0	22.0	21.835	22.21		3.0	45.0	44.752
	0.75	5.3	5.188		1.5	22.376	22.676		2.0	46.0	45.835
M7.0× 0.5	5.5	5.459	5.599	M25× 3.0	23.0	22.917	23.153		1.5	46.5	46.376
	1.0	6.0	5.917		2.0	21.752	22.252	M50×3.0	47.0	46.752	47.252
M8.0× 0.75	6.3	6.188	6.378		1.5	22.835	23.21		2.0	48.0	47.835
	0.5	6.4	6.459	M26× 3.0	24.0	23.376	23.676		1.5	48.5	48.376
	1.25	6.8	6.647		1.0	23.917	24.153	M52×5.0	47.0	46.587	47.297
M9.0× 1.0	7.0	6.917	7.153	M26× 1.5	24.5	23.252	23.252		4.0	48.0	47.67
	0.75	7.3	7.188		2.0	24.376	24.676		3.0	49.0	48.752
	0.5	7.5	7.459	M27× 3.0	24.0	23.752	24.252		2.0	50.0	49.835
M10× 1.25	7.8	7.647	7.912		2.0	24.835	25.21		1.5	50.5	50.376
	1.0	8.0	7.917	M28× 3.0	25.0	24.835	25.21	M55×4.0	51.0	50.67	51.27
	0.75	8.3	8.188		1.5	25.376	25.676		3.0	52.0	51.752
	1.5	8.5	8.376		1.0	25.917	26.153		2.0	53.0	52.835
M11× 1.25	8.8	8.647	8.912		2.0	24.752	25.252		1.5	53.5	53.376
	1.0	9.0	8.917		1.5	25.835	26.21	M56×5.5	50.5	50.046	50.796
	0.75	9.3	9.188		1.0	26.376	26.676		4.0	52.0	51.67
	0.5	9.5	9.459		1.0	26.917	27.153		3.0	53.0	52.752
	1.5	9.6	9.376						2.0	54.0	53.835
	1.0	10.0	9.917						1.5	54.5	54.376
	0.75	10.2	10.188							54.5	54.796
									M60×5.5	54.5	54.046
									M64×6.0	58.0	57.505
									M68×6.0	62.0	61.505

● D1为内螺纹加工完成后内径允许尺寸之上限/下限值。

D1 is the upper(Max) / lower(Min) limit of the allowable inner diameter after the internal thread is machined.

挤压-螺纹攻牙下孔径(5)

Extrusion - Thread Tapping Lower Bore (5)

$$\text{咬合率 (\%)} = \frac{\text{外径 - 钻孔直径}}{2 \times \text{牙高}} \times 100$$

Occlusion rate (%) = $\frac{\text{Outer diameter - drilling diameter}}{2 \times \text{Dental height}} \times 100$

标准牙高: 公制牙/美制牙 :0.5413P
 Standard tooth height: 英制牙 :0.5665P
 Metric/American Teeth P:牙距
 bsw P: Interdental distance
 Canal tooth



丝锥规格 Tap Size	精度 Limits	孔径 D1(mm)		咬合率 (%)
		Min	Max	
0 -80UNF	5	1.39	1.45	65~100
1 -64UNC	5	1.68	1.76	65~100
-72UNF	5	1.70	1.77	65~100
2 -56UNC	4	1.96	2.04	65~100
-64UNF	4	1.98	2.06	65~100
3 -48UNC	4	2.25	2.35	65~100
-56UNF	4	2.29	2.37	65~100
4 -40UNC	5	2.54	2.64	70~100
-48UNF	5	2.59	2.68	70~100
5 -40UNC	5	2.87	2.97	70~100
-44UNF	5	2.90	2.99	70~100
6 -32UNC	5	3.11	3.22	75~100
-40UNF	5	3.19	3.29	70~100
8 -32UNC	6	3.78	3.89	75~100
-36UNF	5	3.81	3.91	75~100
10 -24UNC	6	4.30	4.44	75~100
-32UNF	6	4.44	4.53	80~100
12 -24UNC	6	4.96	5.07	80~100
-28UNF	6	5.03	5.13	80~100
1/4 -20UNC	7	5.73	5.86	80~100
-28UNF	7	5.91	6.00	80~100
5/16 -18UNC	7	7.23	7.38	80~100
-24UNF	7	7.42	7.53	80~100
3/8 -16UNC	7	8.72	8.89	80~100
-24UNF	7	8.99	9.10	80~100
7/16 -14UNC	8	10.20	10.40	80~100
-20UNF	8	10.48	10.62	80~100
1/2 -13UNC	8	11.70	11.92	80~100
-20UNF	8	12.06	12.20	80~100

丝锥规格 Tap Size	精度 Limits	孔径 D1(mm)		咬合率 (%)
		Min	Max	
M1.0x 0.25	4	0.89	0.92	80~100
M1.1x 0.25	4	0.99	1.02	80~100
M1.2x 0.25	4	1.09	1.12	80~100
M1.4x 0.3	4	1.26	1.30	75~100
M1.6x 0.35	4	1.42	1.47	75~100
M1.7x 0.35	4	1.52	1.57	75~100
M1.8x 0.35	4	1.62	1.67	75~100
M2.0x 0.4	4	1.79	1.84	75~100
0.25	4	1.89	1.92	80~100
M2.2x 0.45	5	1.97	2.04	75~100
M2.3x 0.4	4	2.09	2.14	75~100
M2.5x 0.45	5	2.27	2.34	75~100
0.35	5	2.34	2.38	75~100
M2.6x 0.45	5	2.37	2.44	75~100
M3.0x 0.5	5	2.75	2.82	75~100
0.35	5	2.84	2.88	75~100
M3.5x 0.6	5	3.19	3.27	75~100
0.35	5	3.34	3.38	75~100
M4.0x 0.7	5	3.65	3.72	80~100
0.5	6	3.76	3.83	75~100
M5.0x 0.8	6	4.59	4.67	80~100
0.5	6	4.76	4.83	75~100
M6.0x 1.0	7	5.49	5.59	80~100
0.75	6	5.61	5.69	80~100
M7.0x 1.0	7	6.49	6.59	80~100
0.75	7	6.62	6.70	80~100
M8.0x 1.25	7	7.36	7.49	80~100
1.0	7	7.49	7.59	80~100
0.75	7	7.62	7.70	80~100
M10x 1.5	7	9.22	9.34	85~100
1.25	7	9.35	9.49	80~100
1.0	7	9.49	9.59	80~100
M12x 1.75	8	11.09	11.23	85~100
1.5	8	11.22	11.34	85~100
1.25	9	11.36	11.50	80~100
1.0	7	11.49	11.59	80~100
M14x 2.0	10	12.98	13.14	85~100
1.5	9	13.22	13.35	85~100
1.0	8	13.50	13.60	80~100

螺纹
铣削
系统

丝攻
板牙

整体
螺纹
铣刀

螺纹
铣刀
刀杆
刀片

丝攻

板牙

螺纹攻牙下孔径(钻头)参考(4)

Hole diameter under thread tapping (bit) reference (4)



英制平行管用螺纹 PS (Rp)

丝锥规格 Tap Size	钻头 Drill Size	D1(mm)	
		Min	Max
PS1/16 -28	6.5	6.490	6.632
PS1/8 -28	8.5	8.495	8.637
PS1/4 -19	11.4	11.341	11.549
PS3/8 -19	14.9	14.846	15.054
PS1/2 -14	18.6	18.489	18.773
PS3/4 -14	24.0	23.975	24.259
PS1 -11	30.2	30.110	30.472
PS1-1/4 -11	38.8	38.771	39.133
PS1-1/2 -11	44.7	44.664	45.026
PS2 -11	56.5	56.475	56.837

英制锥度管用螺纹 PT (Rc)

丝锥规格 Tap Size	钻头 Drill Size	有效螺纹长度 (内径)		标准螺纹长度 (内径)
		铰孔	不铰孔	
PT1/16 -28	6.1	6.2	6.244	6.384
PT1/8 -28	8.1	8.2	8.249	8.388
PT1/4 -19	10.7	11.0	10.962	11.174
PT3/8 -19	14.2	14.5	14.448	14.658
PT1/2 -14	17.6	18.0	17.979	18.263
PT3/4 -14	23.0	23.5	23.378	23.663
PT1 -11	29.0	29.5	29.459	29.822
PT1-1/4 -11	37.5	38.0	37.976	38.339
PT1-1/2 -11	43.4	44.0	43.869	44.232
PT2 -11	54.9	55.5	55.412	55.844

英制平行管用螺纹 PF (G)

丝锥规格 Tap Size	钻头 Drill Size	D1(mm)	
		Min	Max
PF1/16 -28	6.7	6.561	6.843
PF1/8 -28	8.7	8.566	8.848
PF1/4 -19	11.7	11.445	11.890
PF3/8 -19	15.2	14.950	15.395
PF1/2 -14	19.0	18.631	19.172
PF5/8 -14	21.0	20.587	21.128
PF3/4 -14	24.5	24.117	24.658
PF7/8 -14	28.2	27.877	28.418
PF1 -11	30.6	30.291	30.931
PF1-1/8 -11	35.2	34.939	35.579
PF1-1/4 -11	39.2	38.952	39.592
PF1-1/2 -11	45.0	44.845	45.485
PF1-3/4 -11	51.0	50.788	51.428
PF2 -11	57.0	56.656	57.296

美制管用螺纹 NPT (锥度) / NPS (平行)

丝锥规格 Tap Size	平行 NPS	锥管 NPT (mm)	
		铰孔	不铰孔
1/16 -27	6.35 (0.250)	5.94 (0.234)	6.15 (0.242)
1/8 -27	8.74 (0.344)	8.33 (0.328)	8.43 (0.332)
1/4 -18	11.13 (0.438)	10.72 (0.422)	11.13 (0.438)
3/8 -18	14.68 (0.578)	14.27 (0.562)	14.27 (0.562)
1/2 -14	18.26 (0.719)	17.48 (0.688)	17.86 (0.703)
3/4 -14	23.42 (0.922)	22.63 (0.891)	23.01 (0.906)
1 -11-1/2	29.36 (1.156)	28.58 (1.125)	28.98 (1.141)
1-1/4 -11-1/2	38.10 (1.500)	37.31 (1.469)	37.69 (1.484)
1-1/2 -11-1/2	44.45 (1.750)	43.26 (1.703)	43.66 (1.719)
2 -11-1/2	56.36 (2.219)	55.17 (2.172)	55.58 (2.188)
2-1/2 -8	67.46 (2.656)	65.48 (2.578)	66.27 (2.609)

美制干密封管用螺纹 NPTF 锥度 / NPSF 平行

丝锥规格 Tap Size	平行 NPS	锥管 NPT (mm)	
		铰孔	不铰孔
1/16 -27	6.35 (0.246)	5.94 (0.234)	6.15 (0.242)
1/8 -27	8.61 (0.339)	8.33 (0.328)	8.43 (0.332)
1/4 -18	11.13 (0.438)	10.72 (0.422)	11.13 (0.438)
3/8 -18	14.68 (0.578)	14.27 (0.562)	14.27 (0.562)
1/2 -14	17.86 (0.703)	17.48 (0.688)	17.86 (0.703)
3/4 -14	23.42 (0.922)	22.63 (0.891)	23.01 (0.906)
1 -11-1/2	29.36 (1.156)	28.58 (1.125)	28.98 (1.141)
1-1/4 -11-1/2		37.31 (1.469)	37.69 (1.484)
1-1/2 -11-1/2		43.26 (1.703)	43.66 (1.719)
2 -11-1/2		55.17 (2.172)	55.58 (2.188)
2-1/2 -8		65.48 (2.578)	66.27 (2.609)

● D1 为内螺纹加工完成后内径允许尺寸之上限/下限值。
D1 is the upper(Max) / lower(Min) limit of the allowable inner diameter after the internal thread is machined.

螺纹
铣削
系统

丝攻
板牙


整体
螺纹
铣刀

螺纹
铣刀
刀杆
刀片

丝攻

板牙

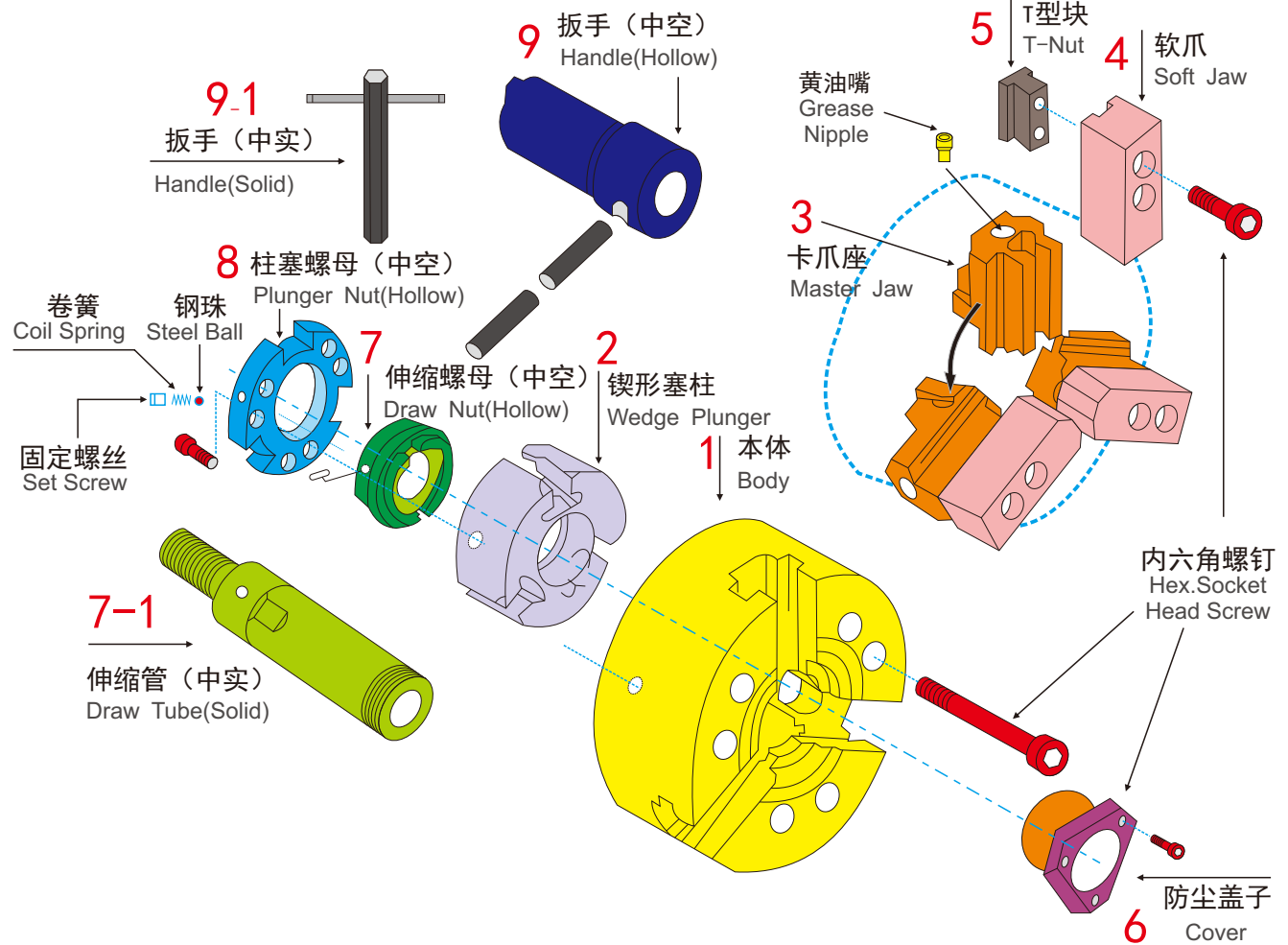
中空卡盘	SBL.. M05  液压卡盘 二爪 中空 车床配件	SB.. M06  液压卡盘 三爪 中空 车床配件	SBS.. M07  液压卡盘 四爪 中空 车床配件	SH.. M08  液压卡盘 中空高速回转缸 车床配件	1L.. M09  液压卡盘 单爪 中实 车床配件	3GB.. M09  液压卡盘 三爪 杠杆补偿式 车床配件	JNL.. M10  液压卡盘 二爪 中实 车床配件	JN.. M11  液压卡盘 三爪 中实 车床配件
立式卡盘	J-Y.. M12  液压卡盘 中实 高速回转缸 车床配件	SBL..KQL M13  气动卡盘 二爪 气动 立式 车床配件	SB..KQL M13  气动卡盘 三爪 气动 立式 车床配件	SBS..KQL M13  气动卡盘 四爪 气动 立式 车床配件	JYS.. M14  液压卡盘 三爪 液压 立式 车床配件	SB..KQ M15  气动卡盘 三爪 气动 车床配件	TS.. M15  气动卡盘 高速回转气缸 车床配件	XZQ.. M16  卡盘配件 卡盘修整器 车床配件
生爪硬爪	T形块 M17  卡盘配件 卡盘T型连接块 车床配件	法兰盘 M17  卡盘配件 卡盘连接盘 车床配件	法兰盘 M17  卡盘配件 硬爪 车床配件	扇形软爪 M17  卡盘配件 扇形软爪 车床配件	软爪 M18  卡盘配件 标准/加高软爪 车床配件	刀套 M19  车床刀套 高精度套筒 车床配件	SHB.. M20  车床刀套 小径刀套 车床配件	侧固式延长杆 M20  侧固延长杆 小径刀套 车床配件
精密夹头	SBHA.. M20  车床刀座 方柄变圆柄 车床配件	CCYS.. M20  车床刀座 刀座延伸 车床配件	车床压紧块 M21  车床刀座 车床压紧块 车床配件	排刀刀座 M21  车床刀座 排刀刀座 车床配件	双工位刀座 M21  车床刀座 双工位车床刀座 车床配件	中心钻刀杆 M21  车床刀座 中心钻刀杆 车床配件	方变圆刀套 M21  车床刀座 方变圆防振刀套 车床配件	L型排刀座-圆 M22  车床刀座 L型排刀座-圆孔输出 车床配件
手动卡盘	L型排刀座-方 M22  车床刀座 L型排刀座-方型输出 车床配件	车床刀塔刀座 M22  车床刀座 数控车床刀塔刀座 车床配件	车床刀塔刀座 M22  车床刀座 数控车床刀塔刀座 车床配件	车床刀塔刀座 M22  车床刀座 数控车床刀塔刀座 车床配件	车床延长杆 M23  精密车床延长杆 车床配件	刀塔出水铜咀 M23  车床刀座 车床刀塔出水铜咀 车床配件	刀塔出水铜咀 M23  车床刀座 车床刀塔出水铜咀 车床配件	拉料器-方柄 M24  车床拉料器 方柄 车床配件
顶针	拉料器-圆柄 M24  车床拉料器 圆柄 车床配件	后拉式夹头 M25  车床夹头 标准后拉式夹头 车床配件	后拉式夹头座 M25  车床夹头 标准后拉式夹头座 车床配件	前推式夹头 M25  车床夹头 标准前推式夹头 车床配件	前推式夹头座 M26  车床夹头 标准前推式夹头座 车床配件	前推内撑夹头 M25  车床夹头 前推式内撑夹头 车床配件	后拉内撑夹头 M26  车床夹头 后拉式内撑夹头 车床配件	重型内撑夹头 M26  车床夹头 重型内撑夹头 车床配件
铣床虎钳配件	橡胶夹头 M26  车床夹头 精密橡胶夹头 车床配件	橡胶夹头座 M26  车床夹头 精密橡胶夹头座 车床配件	走心机夹头 M27  走心机夹头、导套、备夹	背面钻孔座 M28  精密车床夹头	背面钻孔座 M29  精密车床夹头	背面钻孔座 M29  精密车床夹头	直柄攻牙刀杆 M30  精密车床夹头	直柄攻牙刀杆 M30  精密车床夹头
铣床磁盘	直柄攻牙刀杆 M30  直柄攻牙刀杆ER螺帽 精密车床夹头	ER轴动力装置 M31  ER20-1端 车床配件	ER轴动力装置 M31  ER20-2侧 车床配件	ER轴动力装置 M31  ER20-2端 车床配件	ER轴动力装置 M31  ER20-3侧 车床配件	ER轴动力装置 M31  ER20-3端 车床配件	ER轴动力装置 M32  ER20-4端4侧 车床配件	回转式气压夹头 M33  气动卡盘 回转式气压夹头 车床配件
工具万力								
线割配件								
机床工具								
车床卡盘								
铣床虎钳								
磨床磁盘								
线割配件								
机械工具								

强力超薄夹头 M34 	方型超薄夹头 M34 	三爪手动卡盘 M35 	四爪手动卡盘 M35 	六爪手动卡盘 M35 	八爪手动卡盘 M35 	强力三爪 M36 	直装三爪 M36 
手动卡盘 强力超薄夹头 车床配件	手动卡盘 方型超薄夹头 车床配件	手动卡盘 三爪 手动 车床配件	手动卡盘 三爪 手动 车床配件	手动卡盘 三爪 手动 车床配件	手动卡盘 三爪 手动 车床配件	手动卡盘 三爪 强力 手动 车床配件	手动卡盘 三爪 直装 手动 车床配件
强力联动四爪 M36 	齿式 二爪 M37 	齿式 三爪 M37 	三爪钢壳可调 M37 	四爪钢壳可调 M37 	可调强力二爪 M38 	可调强力三爪 M38 	可调强力四爪 M38 
手动卡盘 四爪 联动 强力 车床配件	手动卡盘 二爪 齿式 车床配件	手动卡盘 三爪 齿式 车床配件	手动卡盘 三爪 可调式 钢壳 车床配件	手动卡盘 四爪 可调式 钢壳 车床配件	手动卡盘 可调式二爪强力钢壳 车床配件	手动卡盘 可调式三爪强力钢壳 车床配件	手动卡盘 可调式四爪强力钢壳 车床配件
汽车轮毂夹头 M39 	汽车轮毂夹头 M39 	汽车轮毂夹头 M40 	轮毂夹头油缸 M40 	回转顶针 M41 	重型回转顶针 M42 	伞形回转顶针 M43 	固定式顶针 M43 
液压卡盘 汽车轮毂夹头 车床配件	液压卡盘 汽车轮毂夹头 车床配件	液压卡盘 汽车轮毂夹头 车床配件	液压卡盘 汽车轮毂夹头油缸 车床配件	高速回转顶针 回转顶针 车床配件	高速回转顶针 重型回转顶针 车床配件	高速回转顶针 伞形回转顶针 车床配件	回转顶针 固定式顶针 车床配件

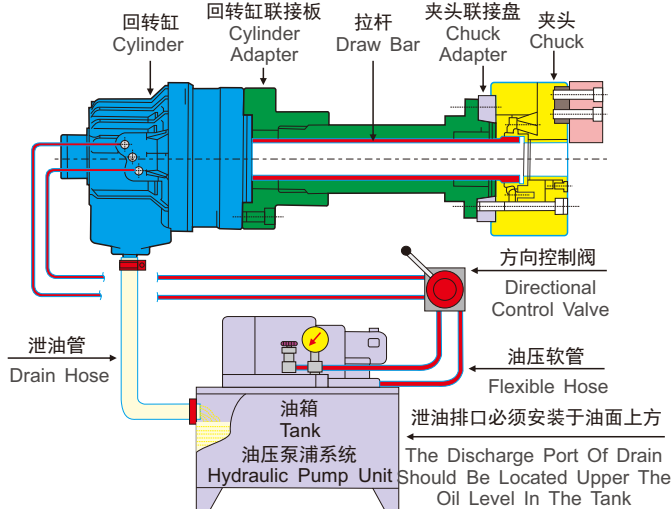
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液压卡盘装配图

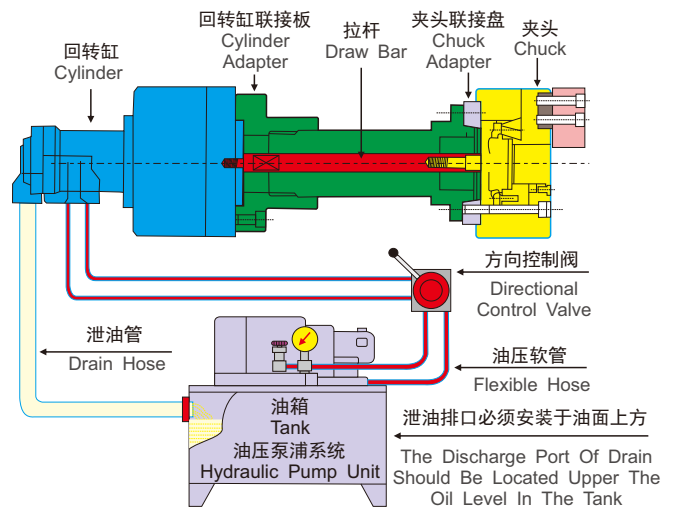
Hydraulic Chuck Assembly Diagram



中空卡盘连接示意 Through Hole Type



中实卡盘连接示意 Non-Through Hole Type



1. 注意事项 For Safe Operation

请仔细阅读本说明书，并依照指示说明操作。若未依照指示，错误的使用夹头而引起的损坏或意外事故，本公司概不负责。

Please operation the product according to the instructions carefully and read it carefully. We cannot assume responsibility for damage or accidents caused by misuse of the chuck, through noncompliance with the safety instruction.

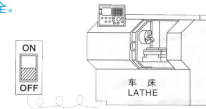


1.1. 在安装、检查或润滑夹头时，务必关掉所有电源，确保操作者安全。

1.1.SWITCH OFF power before setting,inspecting,lubricating or changing the chuck,to ensure operator's safety.

易发生身体或衣物卷入等意外事故。Failing to do so could cause catching the operator or clothing in a machine.

OFF



1.2. 当主轴回转时 切勿操作切换阀和电磁阀。

1.2.Never operate the selector valve and the solenoid valve during the spindle rotation.

主爪关

JAW CLOSED

DANGER

主爪开

JAW OPEN

手动切换阀

Manual operated valve

电磁阀

Solenoid valve



将使夹持力丧失 致工件飞散产生危险。Causing fly-out of the workpiece.

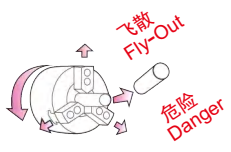
1.3. 夹头的回转速度 切勿超过容许的最高限度。

1.3.Don't exceed the recommended speed of the chuck.

回转数增加时 离心力相对增加 而降低夹持力 易导致工件飞散产生危险 固需依切削条件选择适当的转速。

Rotary speed and centrifugal force increase at the same time. You may cause the work piece fly out by decreasing the gripping force.

So you should choose the suitable speed according to the cutting conditions.



1.4. 未关好安全门之前，切勿启动主轴开关。

1.4.Don't start the spindle before closing the machine door.

避免工件或夹爪因关门而飞出。

Work piece or jaw may fly out while the door opening.

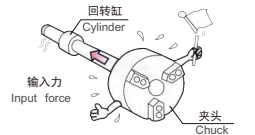


1.5. 不可超过拉杆容许之允许值。

1.5.Don't exceed the max allowable of plunger input force.

如拉杆输入力超过容许允许值，将致使夹头变形或破裂之危险。

If input force of plunger is exceeded, chuck may be deformed or broken.

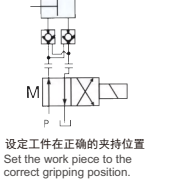
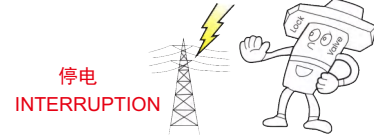


1.6. 某些型号的回转缸内建有“逆止阀”机构，当电源意外中断时，能防止回转缸内部压力骤降，保持稳固的夹持。

1.6.In case of power failure,some cylinders are fitted with check valves and pressure relief valves.When power is restored,the solenoid valve resumes its normal function.

停电时丧失夹持力，致使工件飞散产生危险。

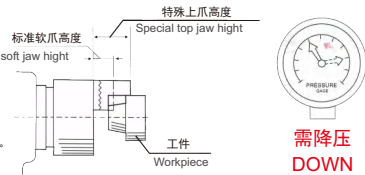
If power interruption may cause fly-out of the work piece.



1.7. 软爪的高度，必须在允许夹持力的限制范围。

1.7.Soft jaw's high must in the limit range of the max gripping force.

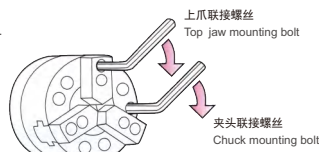
使用加高软爪是，需降低油压力及回转速度。You should reduce the input force and rotating speed while using higher top jaw.



1.8. 联接螺丝请依照附表所指定之扭矩锁紧。

1.8.Secure tightening bolts with specified torque.

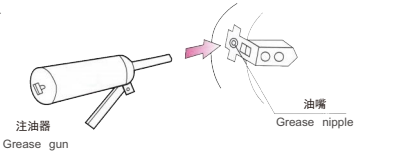
螺丝规格 Bolt Size	锁紧力矩 Tightening Torque
M6	12.7Nm (1.3kgf.m)
M8	38.2Nm (3.9kgf.m)
M10	72.6Nm (7.4kgf.m)
M12	106.8Nm (10.9kgf.m)
M14	170.6Nm (17.4kgf.m)
M16	250.0Nm (25.5kgf.m)
M20	402.1Nm (41.0kgf.m)
M22	539.4Nm (55.0kgf.m)



1.9. 应确保给油。

1.9.Don't miss to lubricate chuck.

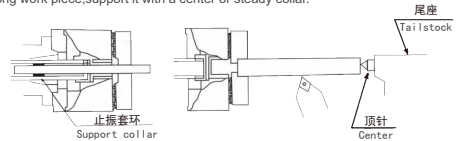
给油不足，会降低夹持力 Lowering gripping force caused by the shortage of oil.



1.10. 车削长工件时，必须以尾座顶心或止振环支撑。

1.10.When machining a long work piece,support it with a center or steady collar.

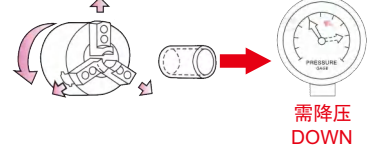
太长而没有辅助支撑之工件，会有飞散之危险。Danger by fly-out of work piece,if it is too long and do not be supported.



1.11. 工件加工以内径夹持时，需将油压力降低至正常的50%以下。

1.11.When chucking components internally,reduce the hydraulic pressure by less than 50%.

如未降低油压力，可能会因夹持力与离心力的变量作用而使工件或夹头受损。If have no down the hydraulic pressure,may cause the jaw or the work piece broken.



1.12. 不可随意改造夹头。

1.12.Don't attempt to modify the chuck.

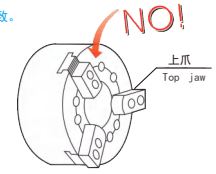
不当改造会损坏夹头机能而发生危险。Danger by function damaged of chuck.



1.13. 安装上爪时，三爪之锁紧位置必须相同，三爪之重量则尽量一致。

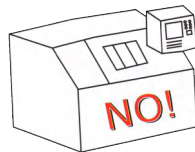
1.13.When mounting the top jaw on the chuck,the position should be the same,and mass of each jaw is as much as possible.

动力平衡差异过大，易造成机床震动，影响加工精度。Unbalanced mass will cause larger vibration of the machine,thus in poor accuracy.



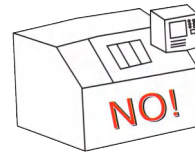
1.14. 操作机器前，请勿喝酒或服用麻醉性药物。

1.14.Never attempt to operate machine while under take alcohol or drugs.



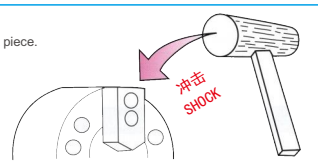
1.15. 操作机器时，请勿穿戴手套或领带。

1.15.Never attempt to operate machine with gloves and necktie worn.



1.16. 不可敲击夹头，夹爪或夹持之工件。

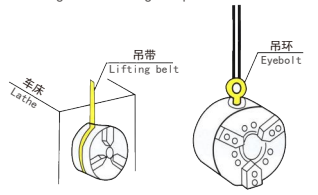
1.16.Never hammer chuck, jaws or clamped work piece.



1.17. 拆装夹头时，务必使用吊带或吊环。

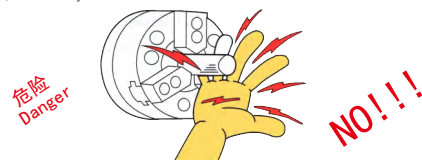
1.17.Have to using eyebolt or lifting belt, when you mounting or dismounting clamp.

不使用吊带将产生危险 Without lifting belt will cause danger



1.18. 夹持工件时，请注意不要被夹到手。

1.18.When clamping work piece, make sure your hand not to be hurt.



中空卡盘

中实卡盘

立式卡盘

气动卡盘

生爪硬爪

车床刀套

刀座

精密夹头

手动卡盘

顶针

铣床虎钳配件

磨床磁盘

工具万力

线割配件

机床工具

车床卡盘

铣床虎钳

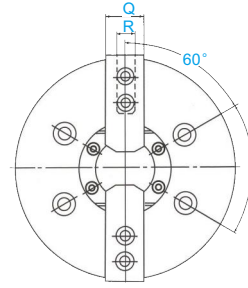
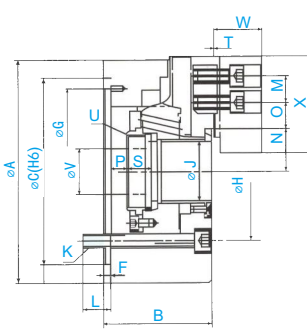
磨床磁盘

线割配件

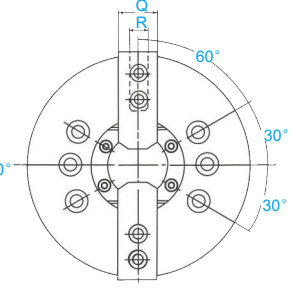
机械工具

- 中空卡盘
- 中实卡盘
- 立式卡盘
- 气动卡盘
- 生爪硬爪
- 车床刀套

SBL... 二爪中空液压卡盘 2-Jaw High Speed Hollow Power Chucks



SBL-204/205
2DTK..



SBL-206/208/210/212/215

1. 是一种中心通孔油压驱动的卡盘, 适用于加工方型和异型长条材料的零件, 能更换硬爪;
2. 在自动化应用中, 机械臂可以快捷的装卸工件。

- 1.It is a center through-hole hydraulic drive chuck, suitable for processing square and special-shaped strip material parts, can replace the hard claw.
- 2.in automation applications, the manipulator can quickly load and unload workpieces.

>> Dimensions (mm)

Dimensions 规格 Type	尺寸	A	B	C h6	F	G	H	J	K	L	M	N max	N min	O max	O min	P max	P min	Q	R	S	T	U	V	W	X	编码 Order
SBL-204	110	59	85	4	-	70.6	26	4-M10×1.5P	-	14	23.1	20.1	11.5	6.7	3.5	-6.5	23	10	17.5	2	M32×1.5P	12	24	49.5	701100	
SBL-205	135	60	110	4	96	82.6	33	4-M10×1.5P	15	14	26.5	23.8	19	6	1	-9	25	10	19	2	M40×1.5P	12	31.5	62	701102	
SBL-206	168	81	140	5	116	104.8	45	6-M10×1.5P	16	20	32.0	29.25	24	7	11	-1	31	12	19	2	M55×2.0P	20	37	73	701104	
SBL-208	210	91	170	5	150	133.4	52	6-M12×1.75P	18	25	38.7	35.0	30	10	14.5	-1.6	36	14	20	2	M60×2.0P	30	39	95	701106	
SBL-210	254	100	220	5	190	171.4	75	6-M16×2P	19	30	51.0	46.6	34	12	8.5	-10.5	40	16	25	2	M85×2.0P	40	43	110	701108	
SBL-212	304	110	220	6	190	171.4	91	6-M16×2P	25	30	61.3	56.0	46	12	8	-15	50	21	28	2	M100×2P	50	51	129	701110	
SBL-215	381	133	300	6	260	235.0	117.5	6-M20×2.5P	28	43	82.7	77.4	46	13	8	-15	62	22	42.5	5	M130×2P	60	66	165	701112	

- 刀座
- 精密夹头
- 手动卡盘
- 顶针
- 铣床虎钳配件
- 磨床磁盘
- 工具万力

Dimensions 规格 Type	尺寸	通孔直径 Thru-Hole Dia	柱塞行程 Plunger Stroke	爪行程-直径 Jaw Stroke Dia	容许转速 Max. Speed r.p.m (min ⁻¹)	容许拉力 Max Pull Force kgf (KN)	静夹持力 Max Gripping Force kgf (KN)	搭配油缸 Matching Cylinder	夹持范围 Gripping Range Min Max	许用压力 Max Pressure kgf/cm ² (Mpa)	重量 Weight (kg)	单价 Price (RMB)
SBL-204	26.0	10	5.4	8000	920 (9)	1930 (19)	SH1036	7 110	15.5 (1.5)	3.6	9000	
SBL-205	33.0	10	5.4	7000	1100 (11)	2430 (23)	SH1036	12 135	18.5 (1.8)	6.5	8300	
SBL-206	45.0	12	5.5	6000	1400 (14)	3750 (37)	SH1246	14 168	18.5 (1.8)	13.0	9300	
SBL-208	52.0	16	7.4	4800	2200 (22)	5700 (56)	SH1552	16 210	17.0 (1.7)	22.5	10300	
SBL-210	75.0	19	8.8	4200	2800 (27)	7420 (73)	SH1875	31 254	18.0 (1.8)	35.5	14000	
SBL-212	91.0	23	10.6	3300	2680 (36)	9680 (95)	SH2091	34 304	18.0 (1.8)	52.0	19300	
SBL-215	117.5	23	10.6	2500	4700 (46)	12100 (119)	SH2511	37 381	17.0 (1.7)	103.5	30000	

2DTK... 二爪中空大通孔液压卡盘 2-Jaw Large Thru-Hole Power Chucks

>> Dimensions (mm)

Dimensions 规格 Type	尺寸	A	B	C h6	F	G	H	J	K	L	M	N max	N min	O max	O min	P max	P min	Q	R	S	T	U	V	W	X	编码 Order
2DTK-206	168	81	140	5	116	104.8	45	6-M10×1.5P	16	20	32.0	29.25	24	7	11	-1	31	12	19	2	M60×2.0P	20	37	73	701500	
2DTK-208	210	91	170	5	150	133.4	52	6-M12×1.75P	18	25	38.7	35.0	30	10	14.5	-1.6	36	14	20	2	M75×2.0P	30	39	95	701502	
2DTK-210	254	100	220	5	190	171.4	75	6-M16×2P	19	30	51.0	46.6	34	12	8.5	-10.5	40	16	25	2	M95×2.0P	40	43	110	701504	

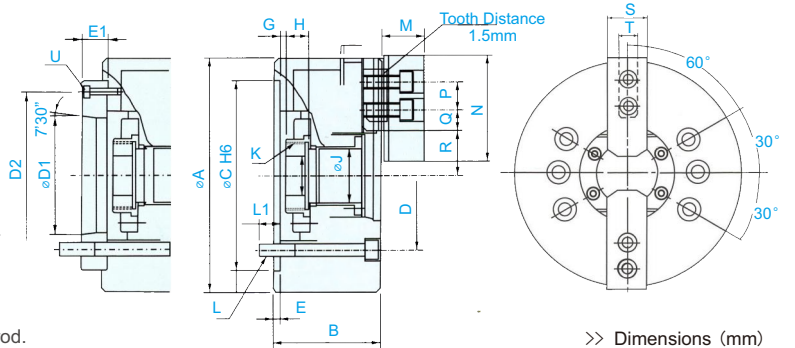
- 线割配件
- 机床工具
- 车床卡盘

Dimensions 规格 Type	尺寸	通孔直径 Thru-Hole Dia	柱塞行程 Plunger Stroke	爪行程-直径 Jaw Stroke Dia	容许转速 Max. Speed r.p.m (min ⁻¹)	容许拉力 Max Pull Force kgf (KN)	静夹持力 Max Gripping Force kgf (KN)	搭配油缸 Matching Cylinder	夹持范围 Gripping Range Min Max	许用压力 Max Pressure kgf/cm ² (Mpa)	重量 Weight (kg)	单价 Price (RMB)
2DTK-206	52.0	12	5.5	6000	1400 (14)	3750 (37)	SH1246	14 168	18.5 (1.8)	13.0	13800	
2DTK-208	66.0	16	7.4	4800	2200 (22)	5700 (56)	SH1552	16 210	17.0 (1.7)	22.5	15900	
2DTK-210	85.0	19	8.8	4200	2800 (27)	7420 (73)	SH1875	31 254	18.0 (1.8)	35.5	17900	

2JDB... 二爪中空大行程液压卡盘 2-Jaw Large Stroke Power Chucks

1. 曲柄型二爪超大贯穿通孔直径, 超长爪行程。
2. 滑动面均经硬化及精密研磨, 并直接润滑。
3. 高刚性结构及高夹持精度。
4. 安装联接方式与中空夹头一样, 且可与之相容交换, 不必更改拉杆。

- 1.crank type 2 jaw super large through hole, super long claw stroke.
- 2.sliding surfaces are hardened and precision lapping and lubricated directly.
- 3.high rigidity structure and high clamping accuracy.
- 4.the way of installation and connection is the same as the hollow chuck, and it can be exchanged with it without changing the pull rod.



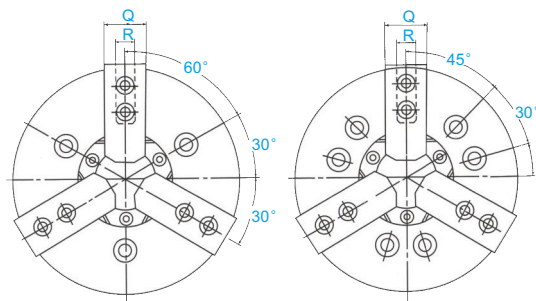
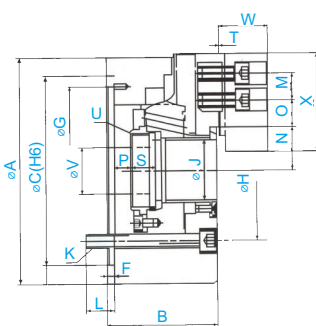
>> Dimensions (mm)

Dimensions 规格 Type	尺寸	A	B	C h6	D	D1	D2	E	E1	F	G max	G min	H	J	K max	L	L1	M	N	P	Q max	Q min	编码 Order
2JDB-206	168	84	140	104.78	82.563	116	5	18	45	6.5	-8.5	19	45	M55×2.0P	6-M10	15	37	73	20	25.75	13.75	701550	
2JDB-208	210	96	170	133.35	106.375	150	5	23	52	7	-13	20	52	M60×2.0P	6-M12	18	38	95	25	28.25	16.25	701552	
2JDB-210	254	110	220	171.45	139.719	190	5	18	75	8	-17	25	75	M85×2.0P	6-M16	22	43	110	30	35.25	17.25	701554	

Dimensions 规格 Type	尺寸	R max	R min	S	T	U	楔心行程 Block Stroke	爪行程 Jaw Stroke Dia	容许推力 Max Thrust Force(kgf)	夹持力 Max Gripping Force(kgf)	许用压力 Max Pressure kgf/cm ²	容许转速 Max Speed r.p.m (min ⁻¹)	惯性矩 Inertia kg/m ²	搭配油缸 Matching Cylinder	夹持范围 Gripping Range Min Max	重量 Weight (kg)	单价 Price (RMB)
2JDB-206	39	27	31	12	3-M6	13	26	1600	1760	18	3600	0.061	SH1246	10 168	14.4	13900	
2JDB-208	49.25	33.25	35	14	3-M6	16	28	2330	2750	17	3000	0.167	SH1552	10 210	23.1	16000	
2JDB-210	64.25	45.25	40	16	3-M8	22	32	3240	3800	18	2400	0.338	SH1875	18 254	42.5	18000	

SB.. 三爪中空液压卡盘

3-Jaw High Speed Hollow Power Chucks



SB-204/205
3DTK..

SB-206/208/210/212/215

- 1.是一种中心通孔液压驱动卡盘, 适用于加工长条棒类等广泛的零件, 能更换硬爪, 使用法兰盘联接;
- 2.在自动化应用中, 机械臂可以快捷的装卸工件。

- 1.It is a center through-hole hydraulic drive chuck, suitable for processing a wide range of parts, such as bar, can replace the hard claw, using flange connection;
- 2.in automation applications, the manipulator can quickly load and unload workpieces.

>> Dimensions (mm)

Dimensions 规格 Type	尺寸	A	B	C h6	F	G	H	J	K	L	M	N max	N min	O max	O min	P max	P min	Q	R	S	T	U	V	W	X	编码 Order
SB-204	110	59	85	4	-	70.6	26	3-M10×1.5P	-	14	23.1	20.1	11.5	6.7	3.5	-6.5	23	10	17.5	2	M32×1.5P	12	24	49.5	701200	
SB-205	135	60	110	4	96	82.6	33	6-M10×1.5P	15	14	26.5	23.8	19	6	1	-9	25	10	19	2	M40×1.5P	12	31.5	62	701202	
SB-206	168	81	140	5	116	104.8	45	6-M10×1.5P	16	20	32.0	29.25	24	7	11	-1	31	12	19	2	M55×2.0P	20	37	73	701204	
SB-208	210	91	170	5	150	133.4	52	6-M12×1.75P	18	25	38.7	35.0	30	10	14.5	-1.5	35	14	20	2	M60×2.0P	30	39	95	701206	
SB-210	254	100	220	5	190	171.4	75	6-M16×2P	19	30	51.0	46.6	34	12	8.5	-10.5	40	16	25	2	M85×2.0P	40	43	110	701208	
SB-212	304	110	220	6	190	171.4	91	6-M16×2P	25	30	61.3	56.0	46	12	8	-15	50	21	28	2	M100×2P	50	51	129	701210	
SB-215	381	133	300	6	260	235.0	117.5	6-M20×2.5P	28	43	82.7	77.4	46	13	8	-15	62	22	42.5	5	M130×2P	60	66	165	701212	

Dimensions 规格 Type	尺寸	通孔直径 Thru-Hole Dia	柱塞行程 Plunger Stroke	爪行程-直径 Jaw Stroke Dia	容许转速 Max. Speed r.p.m (min ⁻¹)	容许拉力 Max Pull Force kgf (KN)	静夹持力 Max Gripping Force kgf (KN)	搭配油缸 Matching Cylinder	夹持范围 Gripping Range	许用压力 Max Pressure kgf/cm ² (Mpa)	重量 Weight (kg)	单价 Price (RMB)
SB-204		26.0	10	5.4	8000	1428 (14)	2850 (28)	SH1036	7 110	24(2.3)	3.8	9000
SB-205		33.0	10	5.4	7000	1730 (17)	3550 (35)	SH1036	10 135	29(2.8)	6.0	8000
SB-206		45.0	12	5.5	6000	2140 (21)	5700 (56)	SH1246	13 168	28(2.7)	12.5	9000
SB-208		52.0	16	7.4	4800	3350 (33)	8350 (82)	SH1552	16 210	26(2.5)	22.0	10000
SB-210		75.0	19	8.8	4200	4280 (42)	11000 (108)	SH1875	25 254	27(2.6)	33.6	14000
SB-212		91.0	23	10.6	3300	5500 (55)	14300 (140)	SH2091	23 304	27(2.6)	55.3	19300
SB-215		117.5	23	10.6	2500	7200 (71)	18200 (178)	SH2511	42 381	25(2.4)	106.8	30000

3DTK.. 三爪中空大通孔液压卡盘 3-Jaw Large Thru-Hole Power Chucks

>> Dimensions (mm)

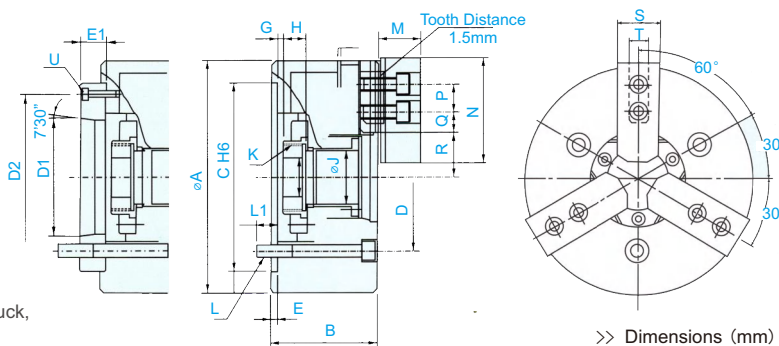
Dimensions 规格 Type	尺寸	A	B	C h6	F	G	H	J	K	L	M	N max	N min	O max	O min	P max	P min	Q	R	S	T	U	V	W	X	编码 Order
3DTK-206	168	140	140	5	116	104.8	45	6-M10×1.5P	15	20	32.0	29.25	24	7	11	-1	31	12	19	2	M60×2.0P	20	37	73	701510	
3DTK-208	210	170	170	5	150	133.4	52	6-M12×1.75P	16	25	38.7	35.0	30	10	14.5	-1.6	35	14	20	2	M75×2.0P	30	39	95	701512	
3DTK-210	254	220	220	5	190	171.4	75	6-M16×2P	16	30	51.0	46.6	34	12	8.5	-10.5	40	16	25	2	M95×2.0P	40	43	110	701514	

Dimensions 规格 Type	尺寸	通孔直径 Thru-Hole Dia	柱塞行程 Plunger Stroke	爪行程-直径 Jaw Stroke Dia	容许转速 Max. Speed r.p.m (min ⁻¹)	容许拉力 Max Pull Force kgf (KN)	静夹持力 Max Gripping Force kgf (KN)	搭配油缸 Matching Cylinder	夹持范围 Gripping Range	许用压力 Max Pressure kgf/cm ² (Mpa)	重量 Weight (kg)	单价 Price (RMB)
3DTK-206		52.0	12	5.5	6000	2140 (21)	5700 (56)	SH1246	13 168	28(2.7)	12.5	13800
3DTK-208		66.0	16	7.4	4800	3350 (33)	8350 (82)	SH1552	16 210	26(2.5)	22.0	15900
3DTK-210		85.0	19	8.8	4200	4280 (42)	11000 (108)	SH1875	25 254	27(2.6)	33.6	17900

3JDB.. 三爪中空大行程液压卡盘

3-Jaw Large Stroke Power Chucks

- 1.曲柄型二爪超大贯穿通孔, 超长爪行程。
 - 2.滑动面均经硬化及精密研磨, 并直接润滑。
 - 3.高刚性结构及高夹持精度。
 - 4.安装联接方式与中空夹头一样, 且可与之相容交换, 不必更改拉杆。
- 1.crank type 3 jaw super large through hole, super long claw stroke.
 - 2.sliding surfaces are hardened and precision lapping and lubricated directly.
 - 3.high rigidity structure and high clamping accuracy.
 - 4.the way of installation and connection is the same as the hollow chuck, and it can be exchanged with it without changing the pull rod.



>> Dimensions (mm)

Dimensions 规格 Type	尺寸	A	B	C h6	D	D1	D2	E	E1	F	G max	G min	H	J	K max	L	L1	M	N	P	Q max	Q min	编码 Order
3JDB-206	168	97	140	104.78	82.563	116	5	18	45	6.5	-8.5	19	45	M55×2.0P	6-M10	15	37	73	20	25.75	13.75	701560	
3JDB-208	210	114	170	133.35	106.375	150	5	23	52	7	-13	20	52	M60×2.0P	6-M12	18	38	95	25	28.25	16.25	701562	
3JDB-210	254	123	220	171.45	139.719	190	5	18	75	8	-17	25	75	M85×2.0P	6-M16	22	43	110	30	35.25	17.25	701564	

Dimensions 规格 Type	尺寸	R max	R min	S	T	U	键心行程 Block Stroke	爪行程 Jaw Stroke Dia	容许推力 Max Thrust Force(kgf)	夹持力 Max Gripping Force(kgf)	许用压力 Max Pressure kgf/cm ²	容许转速 Max. Speed r.p.m (min ⁻¹)	惯性矩 Inertia kg/m ²	搭配油缸 Matching Cylinder	夹持范围 Gripping Range	重量 Weight (kg)	单价 Price (RMB)
3JDB-206		39	27	31	12	3-M6	13	26	2400	2650	27	3600	0.063	SH1246	10 168	15.5	13900
3JDB-208		49.25	33.25	35	14	3-M6	16	28	3500	4150	26	3000	0.175	SH1552	10 210	25.5	16000
3JDB-210		64.25	45.25	40	16	3-M8	22	32	4870	5700	27	2400	0.347	SH1875	18 254	43.9	18000

中空卡盘

中实卡盘

立式卡盘

气动卡盘

生爪硬爪

车床刀套

刀座

精密夹头

手动卡盘

顶针

铣床虎钳配件

磨床磁盘

工具万力

线割配件

机床工具

车床卡盘

铣床虎钳

磨床磁盘

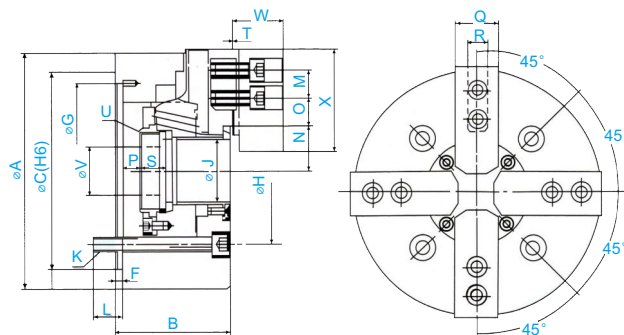
线割配件

机械工具

中空卡盘

SBS... 四爪中空液压卡盘

4-Jaw High Speed Hollow Power Chucks



1. 是一种中心通孔液压驱动的卡盘，适用于加工方型和异型长条材料的零件，能更换硬爪；
2. 在自动化应用中，机械臂可以快捷的装卸工件。

1. It is a center through-hole hydraulic drive chuck, suitable for processing square and special-shaped strip material parts, can replace the hard claw.
2. In automation applications, the manipulator can quickly load and unload workpieces.

>> Dimensions (mm)

Dimensions 规格 Type	尺寸																			编码 Order					
	A	B	C _{h6}	F	G	H	J	K	L	M	N _{max}	N _{min}	O _{max}	O _{min}	P _{max}	P _{min}	Q	R	S		T	U	V	W	X
SBS-205	135	60	110	4	96	82.6	33	4-M10×1.5P	15	14	28.5	23.8	19	6	1	-9	25	10	19	2	M40×1.5P	12	31.5	62	701298
SBS-206	168	81	140	5	116	104.8	45	6-M10×1.5P	16	20	32.0	29.3	24	7	11	-1	31	12	19	2	M55×2.0P	20	37	73	701300
SBS-208	210	91	170	5	150	133.4	52	6-M12×1.75P	18	25	38.7	35.0	30	10	14.5	-1.5	35	14	20	2	M60×2.0P	30	39	95	701302
SBS-210	254	100	220	5	190	171.4	75	6-M16×2P	19	30	51.0	46.6	34	12	8.5	-10.5	40	16	25	2	M85×2.0P	40	43	110	701304
SBS-212	304	110	220	6	190	171.4	91	6-M16×2P	25	30	61.3	56.0	46	12	8	-15	50	21	28	2	M100×2P	50	51	129	701306
SBS-215	381	133	300	6	260	235.0	117.5	6-M20×2.5P	28	43	82.7	77.5	46	13	8	-15	62	22	42.5	5	M130×2P	60	66	165	701308

铣床虎钳配件

Dimensions 规格 Type	尺寸	通孔直径 Thru-Hole Dia	柱塞行程 Plunger Stroke	爪行程-直径 Jaw Stroke Dia	容许转速 Max. Speed r.p.m (min ⁻¹)	容许拉力 Max Pull Force kgf (KN)	静夹持力 Max Gripping Force kgf (KN)	搭配油缸 Matching Cylinder	夹持范围 Gripping Range		许用压力 Max Pressure kgf/cm ² (Mpa)	重量 Weight (kg)	单价 Price (RMB)
									Min	Max			
SBS-205		33.0	10	5.4	7000	1730 (17)	3550 (35)	SH1036	10	135	29 (2.8)	6.0	9000
SBS-206		45.0	12	5.5	6000	1630 (16)	4180 (41)	SH1246	22	168	21 (2.1)	14.2	10600
SBS-208		52.0	16	7.4	4800	2440 (24)	6000 (59)	SH1552	25	210	19 (1.9)	24.5	12000
SBS-210		75.0	19	8.8	4200	3160 (31)	8000 (78)	SH1875	26	254	20 (2.0)	38.0	16000
SBS-212		91.0	23	10.6	3300	4080 (40)	10400 (102)	SH2091	35	304	20 (2.0)	60.5	21600
SBS-215		117.5	23	10.6	2500	5400 (53)	13600 (133)	SH2511	63	381	19 (1.9)	111.5	30000

工具万力

4DTK... 四爪中空大通孔液压卡盘

4-Jaw Large Thru-Hole Power Chucks

>> Dimensions (mm)

Dimensions 规格 Type	尺寸																			编码 Order					
	A	B	C _{h6}	F	G	H	J	K	L	M	N _{max}	N _{min}	O _{max}	O _{min}	P _{max}	P _{min}	Q	R	S		T	U	V	W	X
4DTK-206	168	81	140	5	116	104.8	45	6-M10×1.5P	16	20	32.0	29.3	24	7	11	-1	31	12	19	2	M55×2.0P	20	37	73	701520
4DTK-208	210	91	170	5	150	133.4	52	6-M12×1.75P	18	25	38.7	35.0	30	10	14.5	-1.5	35	14	20	2	M60×2.0P	30	39	95	701522
4DTK-210	254	100	220	5	190	171.4	75	6-M16×2P	19	30	51.0	46.6	34	12	8.5	-10.5	40	16	25	2	M85×2.0P	40	43	110	701524

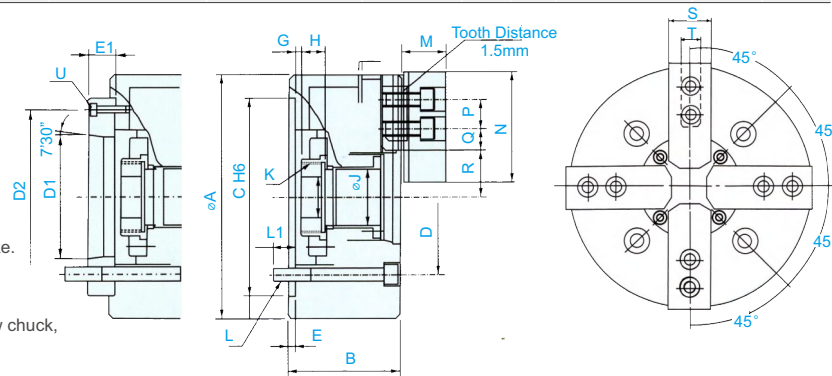
机床工具

Dimensions 规格 Type	尺寸	通孔直径 Thru-Hole Dia	柱塞行程 Plunger Stroke	爪行程-直径 Jaw Stroke Dia	容许转速 Max. Speed r.p.m (min ⁻¹)	容许拉力 Max Pull Force kgf (KN)	静夹持力 Max Gripping Force kgf (KN)	搭配油缸 Matching Cylinder	夹持范围 Gripping Range		许用压力 Max Pressure kgf/cm ² (Mpa)	重量 Weight (kg)	单价 Price (RMB)
									Min	Max			
4DTK-206		52.0	12	5.5	6000	1630 (16)	4180 (41)	SH1246	22	168	21 (2.1)	14.2	15500
4DTK-208		66.0	16	7.4	4800	2440 (24)	6000 (59)	SH1552	25	210	19 (1.9)	24.5	17900
4DTK-210		85.0	19	8.8	4200	3160 (31)	8000 (78)	SH1875	26	254	20 (2.0)	38.0	20000

车床卡盘

4JDB... 四爪中空大行程液压卡盘

4-Jaw Large Stroke Power Chucks



1. 曲柄型二爪超大贯穿通孔径，超长爪行程。
2. 滑动面均经硬化及精密研磨，并直接润滑。
3. 高刚性结构及高夹持精度。
4. 安装联接方式与中空夹头一样，且可与之相容交换，不必更改拉杆。

1. crank type 4 jaw super large through hole, super long claw stroke.
2. sliding surfaces are hardened and precision lapping and lubricated directly.
3. high rigidity structure and high clamping accuracy.
4. the way of installation and connection is the same as the hollow chuck, and it can be exchanged with it without changing the pull rod.

Dimensions 规格 Type	尺寸																			编码 Order		
	A	B	C _{h6}	D	D1	D2	E	E1	F	G _{max}	G _{min}	H	J	K _{max}	L	L1	M	N	P		Q _{max}	Q _{min}
4JDB-206	168	84	140	104.78	82.563	116	5	18	45	6.5	-8.5	19	45	M55×2.0P	6-M10	15	37	73	20	25.75	13.75	701570
4JDB-208	210	96	170	133.35	106.375	150	5	23	52	7	-13	20	52	M60×2.0P	6-M12	18	38	95	25	28.25	16.25	701572
4JDB-210	254	110	220	171.45	139.719	190	5	18	75	8	-17	25	75	M85×2.0P	6-M16	22	43	110	30	35.25	17.25	701574

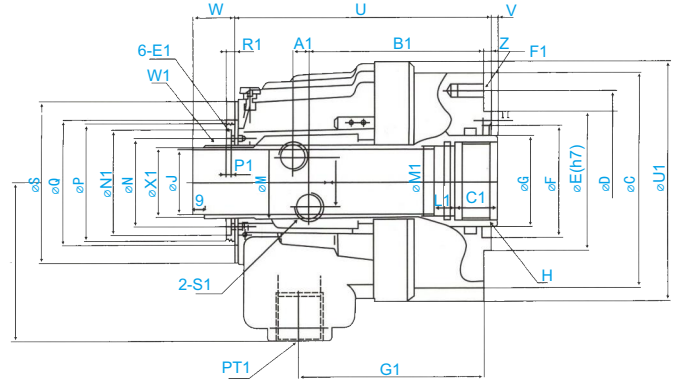
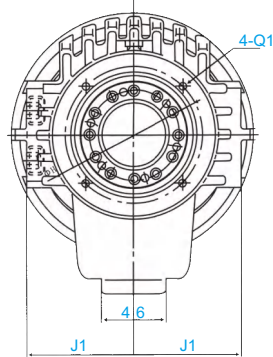
Dimensions 规格 Type	R		S	T	U	楔心行程 Block Stroke	爪行程 Jaw Stroke Dia	容许推力 Max Thrust Force(kgf)	夹持力 Max Gripping Force(kgf)	许用压力 Max Pressure kgf/cm ²	容许转速 Max. Speed r.p.m (min ⁻¹)	惯性矩 Inertia kg/m ²	搭配油缸 Matching Cylinder	夹持范围 Gripping Range		重量 Weight (kg)	单价 Price (RMB)
	max	min												Min	Max		
4JDB-206	39	27	31	12	3-M6	13	26	2500	2700	27	3600	0.063	SH1246	10	168	15.2	15500
4JDB-208	49.25	33.25	35	14	3-M6	16	28	3600	4200	26	3000	0.175	SH1552	10	210	25.1	18000
4JDB-210	64.25	45.25	40	16	3-M8	22	32	5000	5800	27	2400	0.347	SH1875	18	254	43.9	20000

线割配件

机械工具

SH.. 中空高速油压回转缸

Super High Speed Hollow Rotary Hydraulic Cylinder



这是一种高速通孔回转缸，配置了高速诊断阀，以防止停电时压力突然下降，重量轻，能高速回转，通孔大，能使用更广泛棒材，能选择安装各种回转组件在汽缸背后，冷却联接环，传感器，回转组件等。

This is a high-speed through-hole rotary cylinder equipped with a diagnostic valve to prevent sudden power failure. Low weight; light weight; high speed slewing; large through-hole; wider bar; optional installation. The rotary assembly is behind the cylinder (cooling link ring, sensor, rotary assembly, etc.).

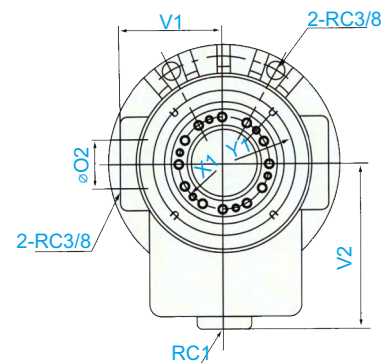
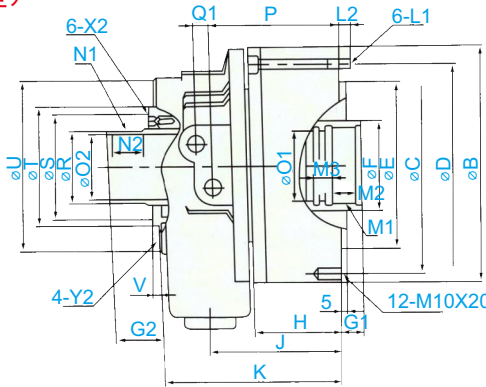
>> Dimensions (mm)

Dimensions 规格 Type	尺寸	A1	B1	C1	E1	F1	G1	H1	J1	L1	M1	N1	P1	O1	R1	S1	T1	U1	W1	X1	C	D	E	F	G	H	J	K	M	编码 Order
SH1036		11.0	120.0	25	M4	12-M10	127	88	68	15	38	64	4	M5	5	PT3/8	6	154	M44×1.5P	42	136	115	100	365	48	M42×1.5P	36	30	44.6	701402
SH1246		11.5	126.5	30	M6	12-M10	134	98	76	15	50	76	4	M5	6	PT1/2	6	170	M52×1.5P	50	155	130	100	80	65	M55×2.0P	46	36	52.9	701404
SH1552		12.0	136.5	30	M6	12-M10	145	110	87	15	55	85	4	M6	7	PT1/2	6	210	M58×1.5P	56	190	170	130	85	70	M60×2.0P	52	36	59.6	701406
SH1875		17.5	154.5	35	M6	12-M10	162	155	101	15	80	108	4	M6	7	PT1/2	4	235	M84×2.0P	81	215	190	160	125	95	M85×2.0P	75	36	84.6	701408
SH2091		21.0	168.0	35	M6	12-M12	183	165	110	15	95	120	4	M6	7	PT1/2	6	160	M99×2.0P	96	240	215	180	140	100	M100×2.0P	91	36	99.6	701410
SH2511		27.0	191.0	45	M6	12-M16	218	206	135	15	125	160	5	M6	7	PT1/2	7	302	M134×2.0P	130	310	275	230	166	140	M130×2.0P	117	40	134.6	701412

Dimensions 规格 Type	尺寸	N	P	Q	S	T	U	V Min	V Max	W Min	W Max	Z	柱套行程 Piston Stroke	活塞直径 Piston DIA	转速 MAX Speed (min ⁻¹)	惯性 Inertia GD ² (kg·m ²)	流量 Oil Leakage Rate (L/min)	活塞面积 Piston Area(cm ²)		容许推/拉力 MAX. Pull Force KN(kgf)		许用压力 Max Pressure kgf/cm ² (Mpa)	重量 Weight (kg)	单价 Price (RMB)
																		推 Push Side	拉 Pull Side	推 Push Side	拉 Pull Side			
SH1036		53.5	73	78	104	115	176.5	-5	10	24	39	5	15	105	8000	0.012	3.0	71	68	24.5(2500)	23.5(2400)	40(3.9)	10.0	5600
SH1246		64	85	90	116	115	184	-5	10	25	40	5	15	125	7000	0.019	3.0	100	89	36.2(3700)	31.5(3200)	40(3.9)	13.0	6300
SH1552		73	96	102	135	130	196	-5	17	25	47	5	22	155	6200	0.053	3.9	160	150	57.0(5800)	54(5500)	40(3.9)	18.5	7300
SH1875		98	121	131	164	160	230	-5	20	25	50	5	25	180	4700	0.096	4.2	198	183	71.0(7200)	66(6700)	40(3.9)	26.0	8500
SH2091		108	138	147	180	185	253	-5	25	25	55	5	30	205	3800	0.160	4.5	252	234	91.0(9200)	85(8600)	40(3.9)	37.0	12000
SH2511		148	178	184	230	210	304	-5	24	25	55	6	30	250	2800	0.500	7.0	348	336	123(12400)	119(12000)	40(3.9)	63.0	16000

SHS.. 中空高速油压回转缸 (短寸型)

Super High Speed Hollow Short Rotary Hydraulic Cylinder



>> Dimensions (mm)

Dimensions 规格 Type	尺寸	A Piston DIA	B	C	D	E h7	F	G1		G2		H	J	K	L1	L2	M1	M2	M3	N1	N2	O1 H8	O2 H8	P	Q1	Q2	R g7	S H7	T	U	编码 Order
								max	min	max	min																				
SHS428		90	120	96	106	80	44	13	4	33	24	57	89	124	M6×65	14	M33×1.5P	25	15	M34×1.5P	28	30	28	90	12	24	32	54	64	90	701420
SHS428B		90	120	100	106	80	44	13	4	33	24	57	89	124	M6×65	14	M38×1.5P	25	15	M34×1.5P	28	30	28	90	12	24	32	54	64	90	701422
SHS1036		105	140	115	124	100	48	14	-1	39	24	65	98	136	M8×70	14	M42×1.5P	25	15	M44×1.5P	25	42	36	100	12	30	42	65	74	105	701424
SHS1246		125	165	130	144	100	65	14	-1	40	25	70	103	141	M8×75	14	M50×2.0P	30	15	M52×1.5P	29	50	46	105	12	36	50	76	85	116	701426
SHS1246B		125	165	130	144	100	65	14	-1	40	25	70	103	141	M8×75	14	M55×2.0P	30	15	M52×1.5P	29	50	46	105	12	36	50	76	85	116	701428
SHS1552		150	185	170	165	130	70	21	-1	42	20	75	111	151	M8×80	14	M60×2.0P	30	15	M58×1.5P	29	55	52	110	14	36	56	85	96	135	701430

Dimensions 规格 Type	尺寸	V	W1	W2	X1	X2	Y1	Y2	活塞行程 Piston Stroke	转速 MAX Speed (min ⁻¹)	惯性 Inertia GD ² (kg·m ²)	活塞面积 Piston Area(cm ²)		总泄流量 Total Of Teage fit/min	容许压力 Max Pressure kgf/cm ² (Mpa)	重量 Weight (kg)	单价 Price (RMB)
												推 Extend	拉 Retract				
SHS428		2.5	60	85	44	M5×6	78	M5×6	9	8500	0.028	50.6	48.3	1.8	45(4.5)	1.8	6000
SHS428B		2.5	60	85	44	M5×6	78	M5×6	9	8500	0.028	50.6	48.3	1.8	45(4.5)	1.8	6000
SHS1036		2.5	70	102	54	M5×6	90	M5×6	15	8500	0.047	67.5	60.5	2.5	45(4.5)	2.5	5600
SHS1246		2.5	76	120	64	M5×6	100	M5×6	15	8000	0.071	99.1	88.0	3.0	45(4.5)	3.0	6300
SHS1246B		2.5	76	120	64	M5×6	100	M5×6	15	8000	0.071	99.1	88.0	3.0	45(4.5)	3.0	7300
SHS1552		2.5	85	130	73	M6×7	110	M6×6	22	6500	0.129	135.3	125.0	3.9	45(4.5)	3.9	8500

中空卡盘

中实卡盘

立式卡盘

气动卡盘

生爪硬爪

车床刀套

刀座

精密夹头

手动卡盘

顶针

铣床虎钳配件

磨床磁盘

工具万力

线割配件

机床工具

车床卡盘

铣床虎钳

磨床磁盘

线割配件

机械工具

中空卡盘

中实卡盘

立式卡盘

气动卡盘

生爪硬爪

车床刀套

刀座

精密夹头

手动卡盘

顶针

铣床虎钳配件

磨床磁盘

工具万力

线割配件

机床工具

车床卡盘

铣床虎钳

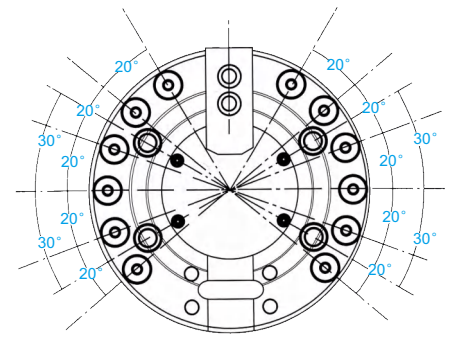
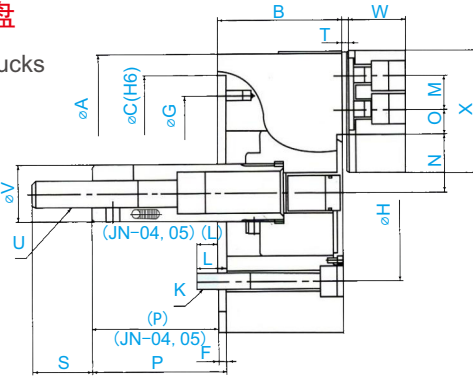
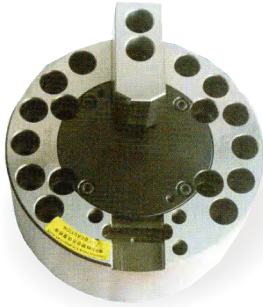
磨床磁盘

线割配件

机械工具

1L. 单爪中实长行程液压卡盘

1-JAW Long Stroke Solid Power Chucks



1. 是一种实心油压驱动的卡盘，适用于加工异型的零件，能更换硬爪；
2. 在自动化应用中，机械臂可以快捷的装卸工件。

1. It is a solid oil driven chuck, suitable for machining. Special shaped parts can replace hard jaws.
2. in automation applications, the manipulator can quickly load and unload workpieces.

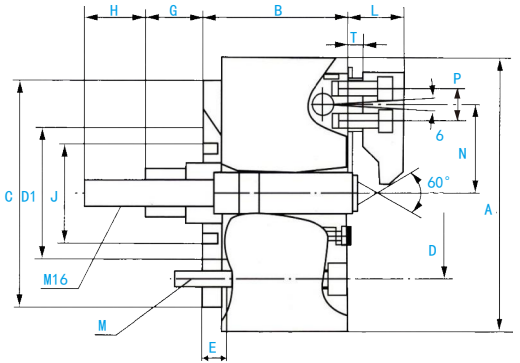
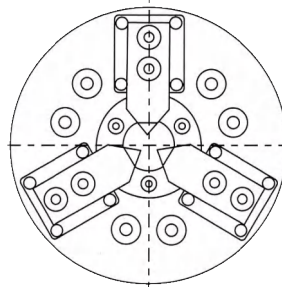
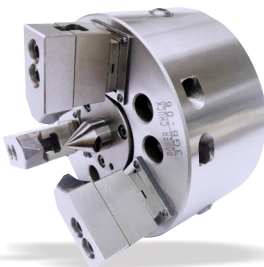
>> Dimensions (mm)

Dimensions 规格 Type	A	B	C h6	F	G	H	K	L	M	N max	N min	O max	O min	P max	P min	Q	R	S	T	U	V	W	X	编码 Order
1L-06	165	74	140	5	116	104.8	6-M10×1.5P	14	20	37.8	33.55	18	7.5	101.5	81.5	31	12	36	4	M16×2.0P	34	39	73	702250
1L-08	210	85	170	5	150	133.4	6-M12×1.75P	18	25	46.3	41.90	22.5	9	127	106	35	14	36	5	M20×2.5P	38	42	95	702252
1L-10	254	89	220	5	190	171.4	6-M16×2P	20	30	51.4	47.00	37.5	10.5	158	133	40	16	36	5	M20×2.5P	45	46	110	702254

Dimensions 规格 Type	柱塞行程 Plunger Stroke	爪行程-直径 Jaw Stroke Dia	容许转速 Max. Speed r. p. m (min ⁻¹)	容许拉力 Max Pull Force kgf (KN)	容许静夹持力 Max Gripping Force kgf (KN)	搭配油缸 Matching Cylinder	夹持范围 Gripping Range		许用压力 Max Pressure kgf/cm ² (Mpa)	重量 Weight (kg)	单价 Price (RMB)
							Min	Max			
1L-06	20	6.5	5000	1220	3460	J-Y1020	22	165	19 (1.9)	13.0	10000
1L-08	21	8.1	4000	1630	4990	J-Y1225	24	210	16 (1.6)	25.0	11400
1L-10	25	9.0	3500	1930	7140	J-Y1530	27	254	19 (1.9)	37.0	14100

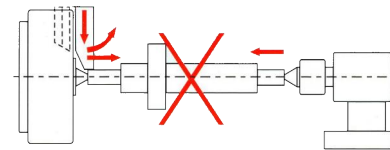
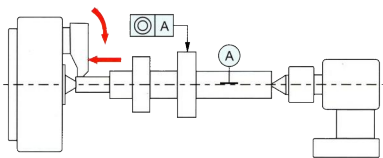
3GB. 杠杆式补偿型液压卡盘

Compensating Power Chucks



1. 轴类零件加工专用夹具，卡爪对工件具有后拉和补偿式夹紧的功能，（该卡盘夹持力提供加工时的扭矩和后拉力）；对中心的补偿量为5毫米。
2. 以轴心为基准（顶针定位）、要求与轴有同轴度要求时可使用此类卡盘。
3. 使用法兰联接，通用卡爪（自行修整），安装方便。

1. Special fixture for machining shaft parts. Jaws have the function of pulling back and compensating clamping to the workpiece (the clamping force of the chuck provides the torque and pulling force during machining); the compensation to the center is 5mm.
2. Use this kind of chuck on the axis as the datum (thimble location) and require the axis to have a coaxiality requirement.
3. Use flange connection, universal jaws (self trimming), easy to install.



尾座只需支撑工件的力，卡盘把工件拉向中心顶针，工件不发生弯曲，加工出来的轴同轴度好；当轴的外径与中心孔不同轴时，以中心孔为基准，卡爪的补偿作用就凸显出来了。

无后拉和补偿的卡盘夹紧工件时，卡爪翘起，把轴推离中心定位，如尾座的力不能克服这个翘起的力，则会导致工件弯曲。

The tailstock only needs to support the force of the workpiece, the chuck pulls the workpiece to the center ejector, the workpiece does not bend, and the axle coaxiality is good; when the outer diameter of the shaft is different from the axis of the center hole, the center hole is taken as the reference, the compensation effect of the Jaw is highlighted.

When the workpiece is clamped by a chuck without back pull and compensation, the Jaw is raised and the shaft is pushed away from the center. If the force of the tailstock can not overcome this force, the workpiece will bend.

>> Dimensions (mm)

Dimensions 规格 Type	A	B	C h6	D	D1	E	G	H	J	L	M	N	P	T	编码 Order
3GB-06	168	91	140	104.8	A5	15	27-42	36	60	35	M10×95	55	20	10	702232
3GB-08	210	105	170	133.4	A6	17	30-50	36	70	44	M12×110	75	25	12	702236

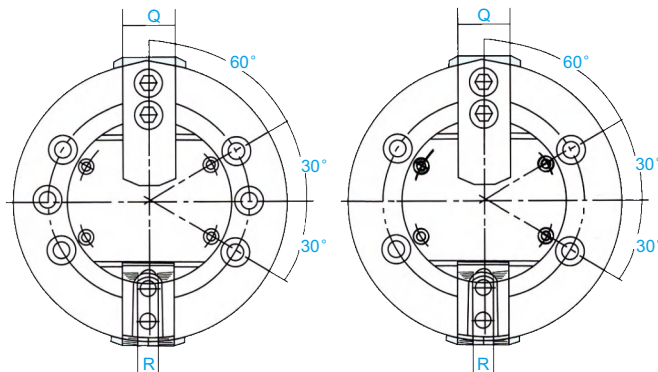
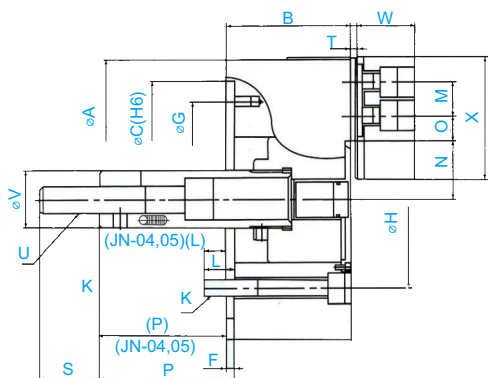
Dimensions 规格 Type	卡爪角行程 Jaw Angle Stroke	卡爪行程 Jaw Stroke 直径 Dia	斜楔行程 Oblique Stroke	圆周补偿量 Compensation Distance DIA	容许转速 Max. Speed r. p. m (min ⁻¹)	容许推力 Maximum Thrust kgf	夹持力 Max Gripping Force kgf	搭配油缸 Matching Cylinder	惯量 Inertia kgf/m ²	重量 Weight (kg)	单价 Price (RMB)
3GB-06	6	4	5	5	3500	1500	3800	J-Y1020	0.2	13.0	12100
3GB-08	6	4.5	6	6	3000	2000	5400	J-Y1225	0.5	25.0	14100

JNL. 二爪中实液压卡盘

2-JAW Solid Power Chucks

1. 是一种实心油压驱动的卡盘，适用于加工方型和异型的零件，能更换硬爪；
2. 在自动化应用中，机械臂可以快捷的装卸工件。

- 1.It is a solid oil driven chuck, suitable for machining square and Special shaped parts can replace hard claws.
- 2.In automation applications, the manipulator can quickly load and unload workpieces.



06/08/10/12

JNL-05

>> Dimensions (mm)

Dimensions 规格 Type	尺寸	A	B	C h6	F	G	H	K	L	M	N max	N min	O max	O min	P max	P min	Q	R	S	T	U	V	W	X	编码 Order
JNL-05		135	55	80	7	-	100	4-M8×1.25P	14	14	30.4	27.20	11.25	6.75	9	-6.0	25	10	35	3	M12×1.75P	28	31	62	702099
JNL-06		165	74	140	5	116	104.8	6-M10×1.5P	14	20	37.8	33.55	18	7.5	101.5	81.5	31	12	36	4	M16×2.0P	34	39	73	702100
JNL-08		210	85	170	5	150	133.4	6-M12×1.75P	18	25	46.3	41.90	22.5	9	127	106	35	14	36	5	M20×2.5P	38	42	95	702102
JNL-10		254	89	220	5	190	171.4	6-M16×2P	20	30	51.4	47.00	37.5	10.5	158	133	40	16	36	5	M20×2.5P	45	46	110	702104
JNL-12		304	106	220	6	190	171.4	6-M16×2P	20	30	60.7	55.45	47	11	163	133	50	18	36	5	M20×2.5P	50	54	130	702106

Dimensions 规格 Type	尺寸	柱塞行程 Plunger Stroke	爪行程-直径 Jaw Stroke Dia	容许转速 Max.Speed r.p.m (min ⁻¹)	容许拉力 Max Pull Force kgf (KN)	容许静夹持力 Max Gripping Force kgf (KN)	搭配油缸 Matching Cylinder	夹持范围 Gripping Range		许用压力 Max Pressure kgf/cm ² (Mpa)	重量 Weight (kg)	单价 Price (RMB)
								Min	Max			
JNL-05		15	6.4	5500	800(7.8)	2450(24)	J-Y0815	16	135	22 (2.2)	6.2	7650
JNL-06		20	8.5	5000	1220	3460	J-Y1020	22	165	19 (1.9)	12.5	8300
JNL-08		21	8.8	4000	1630	4990	J-Y1225	24	210	16 (1.6)	24.0	9000
JNL-10		25	8.8	3500	1930	7140	J-Y1225	27	254	19 (1.9)	35.5	12000
JNL-12		30	10.5	3000	2750	10300	J-Y1530	33	304	18.5 (1.8)	60.5	17300

2L. 二爪中实长行程液压卡盘

2-JAW Long Stroke Solid Power Chucks

>> Dimensions (mm)

Dimensions 规格 Type	尺寸	A	B	C h6	F	G	H	K	L	M	N max	N min	O max	O min	P max	P min	Q	R	S	T	U	V	W	X	编码 Order
2L-06		165	74	140	5	116	104.8	6-M10×1.5P	14	20	37.8	33.55	18	7.5	101.5	81.5	31	12	36	4	M16×2.0P	34	39	73	702260
2L-08		210	85	170	5	150	133.4	6-M12×1.75P	18	25	46.3	41.90	22.5	9	127	106	35	14	36	5	M20×2.5P	38	42	95	702262
2L-10		254	89	220	5	190	171.4	6-M16×2P	20	30	51.4	47.00	37.5	10.5	158	133	40	16	36	5	M20×2.5P	45	46	110	702264

Dimensions 规格 Type	尺寸	柱塞行程 Plunger Stroke	爪行程-直径 Jaw Stroke Dia	容许转速 Max.Speed r.p.m (min ⁻¹)	容许拉力 Max Pull Force kgf (KN)	容许静夹持力 Max Gripping Force kgf (KN)	搭配油缸 Matching Cylinder	夹持范围 Gripping Range		许用压力 Max Pressure kgf/cm ² (Mpa)	重量 Weight (kg)	单价 Price (RMB)
								Min	Max			
2L-06		20	13	5000	1220	3460	J-Y1020	22	165	19 (1.9)	12.5	10000
2L-08		21	16.2	4000	1630	4990	J-Y1225	24	210	16 (1.6)	24.0	11400
2L-10		25	18.1	3500	1930	7140	J-Y1225	27	254	19 (1.9)	35.5	14100

2JLS. 二爪中实超大行程液压卡盘

2-JAW Long Stroke Solid Power Chucks

>> Dimensions (mm)

Dimensions 规格 Type	尺寸	A	B	C h6	F	G	H	K	L	M	N max	N min	O max	O min	P max	P min	Q	R	S	T	U	V	W	X	编码 Order
2JLS-06		165	80	140	5	116	104.8	6-M10×1.5P	14	20	37.8	33.55	18	7.5	101.5	81.5	31	12	36	4	M16×2.0P	34	39	73	702282
2JLS-08		210	92	170	5	150	133.4	6-M12×1.75P	18	25	46.3	41.90	22.5	9	127	106	35	14	36	5	M20×2.5P	38	42	95	702284
2JLS-10		254	115	220	5	190	171.4	6-M16×2P	20	30	51.4	47.00	37.5	10.5	158	133	40	16	36	5	M20×2.5P	45	46	110	702286

Dimensions 规格 Type	尺寸	柱塞行程 Plunger Stroke	爪行程-直径 Jaw Stroke Dia	容许转速 Max.Speed r.p.m (min ⁻¹)	容许拉力 Max Pull Force kgf (KN)	容许静夹持力 Max Gripping Force kgf (KN)	搭配油缸 Matching Cylinder	夹持范围 Gripping Range		许用压力 Max Pressure kgf/cm ² (Mpa)	重量 Weight (kg)	单价 Price (RMB)
								Min	Max			
2JLS-06		20	28	5000	1220	3460	J-Y1020	19	165	27 (2.6)	12.5	16000
2JLS-08		25	40	4600	1630	4990	J-Y1225	23	210	25 (2.5)	24.0	17300
2JLS-10		30	50	4000	1930	7140	J-Y1530	24	254	29 (2.8)	35.5	20000

中空卡盘

中实卡盘

立式卡盘

气动卡盘

生爪硬爪

车床刀套

刀座

精密夹头

手动卡盘

顶针

铣床虎钳配件

磨床磁盘

工具万力

线割配件

机床工具

车床卡盘

铣床虎钳

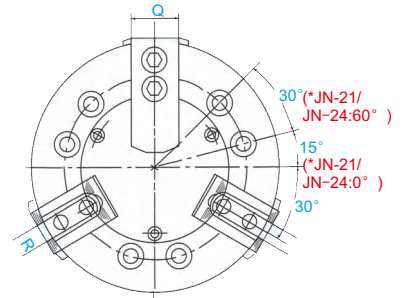
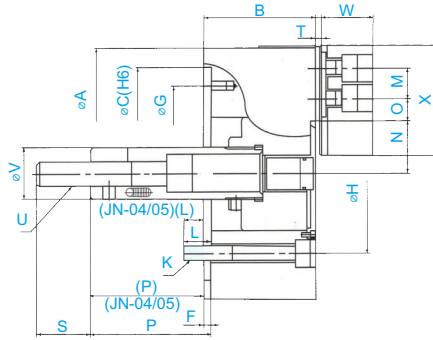
磨床磁盘

线割配件

机械工具

JN. 三爪中实液压卡盘

3-JAW Solid Power Chucks



1. 是一种实心油压驱动卡盘，适用于加工长条棒类等广泛的零件，能更换硬爪，使用法兰盘联接；
2. 在自动化应用中，机械臂可以快捷的装卸工件。

1. It is a solid hydraulic drive chuck, which is suitable for processing wide bar parts. It can replace hard claw and use flange connection.
2. In automation applications, the manipulator can quickly load and unload workpieces.

>> Dimensions (mm)

规格 Type	Dimensions 尺寸		A	B	C h6	F	G	H	K	L	M	N max	N min	O max	O min	P max	P min	Q	R	S	T	U	V	W	X	编码 Order
	规格 Type	尺寸																								
JN-04	110	52	60	6	-	80	3-M8×1.25P	12	14	23.3	20.1	11.25	8.25	18	3.0	23	10	25	3	M10×1.5P	26	27	53	702199		
JN-05	135	55	80	7	-	100	3-M8×1.25P	14	14	30.4	27.2	11.25	6.75	9	-6.0	25	10	35	3	M12×1.75P	28	31	62	702200		
JN-06	165	74	140	5	116	104.8	6-M10×1.5P	14	20	37.8	33.55	18	7.5	101.5	81.5	31	12	36	4	M16×2.0P	34	39	73	702202		
JN-08	210	85	170	5	150	133.4	6-M12×1.75P	18	25	46.3	41.9	22.5	9	127	106	35	14	36	5	M20×2.5P	38	42	95	702204		
JN-10	254	89	220	5	190	171.4	6-M16×2P	20	30	51.4	47.0	37.5	10.5	158	133	40	16	36	5	M20×2.5P	45	46	110	702206		
JN-12	304	106	220	6	190	171.4	6-M16×2P	20	30	60.7	55.45	47	11	163	133	50	18	36	5	M20×2.5P	50	54	130	702208		
JN-15	381	114	300	6	260	235	6-M20×2.5P	30	43	77.5	69.5	48.75	23.25	104	69	62	25.5	55	2	M30×3.5P	60	62	165	702210		
JN-18	450	114	300	6	260	235	6-M20×2.5P	30	43	108	100	48.75	23.25	92	57	62	25.5	55	2	M30×3.5P	60	62	165	702212		
JN-21	530	125	380	6	330.2	330.2	6-M20×2.5P	31	60	86	78	93.5	27.5	97	62	65	25	55	3	M30×3.5P	60	70	180	702214		
JN-24	610	125	380	6	330.2	330.2	6-M20×2.5P	31	60	125	117	93.5	27.5	97	62	65	25	55	3	M30×3.5P	60	70	180	702216		

规格 Type	Dimensions 尺寸	柱塞行程 Plunger Stroke	爪行程-直径 Jaw Stroke Dia	容许转速 Max.Speed r.p.m (min ⁻¹)	容许拉力 Max Pull Force kgf (KN)	容许静夹持力 Max Gripping Force kgf (KN)	搭配油缸 Matching Cylinder	夹持范围 Gripping Range		许用压力 Max Pressure kgf/cm ² (Mpa)	重量 Weight (kg)	单价 Price (RMB)
								Min	Max			
JN-04	15	6.4	5800	775(7.6)	2325(22.8)	J-Y0815	8	110	22 (2.2)	4.1	7300	
JN-05	15	6.4	5500	800(7.8)	2450(24)	J-Y0815	16	135	22 (2.2)	6.2	7400	
JN-06	20	8.5	5000	1730(17)	5200(51)	J-Y1020	19	165	27 (2.6)	13.0	8000	
JN-08	21	8.8	4600	2440(22)	7440(73)	J-Y1225	23	210	25 (2.5)	25.0	9000	
JN-10	25	8.8	4000	2850(28)	10810(106)	J-Y1225	24	254	29 (2.8)	37.0	12600	
JN-12	30	10.5	3200	4080(40)	15500(152)	J-Y1530	26	304	29 (2.8)	57.3	17300	
JN-15	35	16	2800	8260(81)	25290(248)	J-Y2035	72	381	32.5 (3.2)	96.5	26000	
JN-18	35	16	2700	8260(81)	25290(248)	J-Y2035	135	450	32.5 (3.2)	124.5	35000	
JN-21	35	16	1900	8260(81)	25290(248)	J-Y2035	70	530	32.5 (3.2)	180	46500	
JN-24	35	16	1750	8260(81)	25290(248)	J-Y2035	152	610	32.5 (3.2)	223	60000	

3L. 三爪中实长行程液压卡盘 3-JAW Long Stroke Solid Power Chucks

>> Dimensions (mm)

规格 Type	Dimensions 尺寸		A	B	C h6	F	G	H	K	L	M	N max	N min	O max	O min	P max	P min	Q	R	S	T	U	V	W	X	编码 Order
	规格 Type	尺寸																								
3L-06	165	74	140	5	116	104.8	6-M10×1.5P	14	20	37.8	33.55	18	7.5	101.5	81.5	31	12	36	4	M16×2.0P	34	39	73	702270		
3L-08	210	85	170	5	150	133.4	6-M12×1.75P	18	25	46.3	41.9	22.5	9	127	106	35	14	36	5	M20×2.5P	38	42	95	702272		
3L-10	254	89	220	5	190	171.4	6-M16×2P	20	30	51.4	47.0	37.5	10.5	158	133	40	16	36	5	M20×2.5P	45	46	110	702274		

规格 Type	Dimensions 尺寸	柱塞行程 Plunger Stroke	爪行程-直径 Jaw Stroke Dia	容许转速 Max.Speed r.p.m (min ⁻¹)	容许拉力 Max Pull Force kgf (KN)	容许静夹持力 Max Gripping Force kgf (KN)	搭配油缸 Matching Cylinder	夹持范围 Gripping Range		许用压力 Max Pressure kgf/cm ² (Mpa)	重量 Weight (kg)	单价 Price (RMB)
								Min	Max			
3L-06	20	13	5000	1730(17)	5200(51)	J-Y1020	19	165	27 (2.6)	13.0	10000	
3L-08	21	16.2	4600	2440(22)	7440(73)	J-Y1225	23	210	25 (2.5)	25.0	11400	
3L-10	25	18.1	4000	2850(28)	10810(106)	J-Y1225	24	254	29 (2.8)	37.0	14100	

3JLS. 三爪中实超大行程液压卡盘 3-JAW Long Stroke Solid Power Chucks

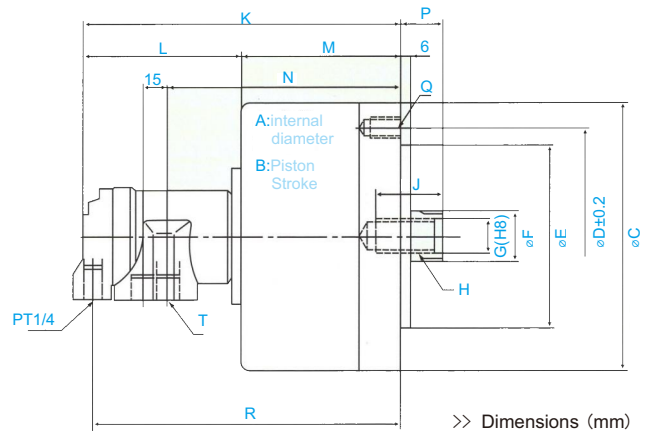
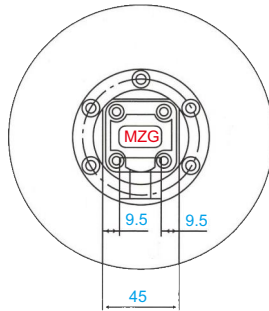
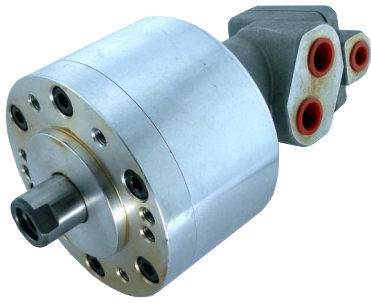
>> Dimensions (mm)

规格 Type	Dimensions 尺寸		A	B	C h6	F	G	H	K	L	M	N max	N min	O max	O min	P max	P min	Q	R	S	T	U	V	W	X	编码 Order
	规格 Type	尺寸																								
3JLS-06	165	80	140	5	116	104.8	6-M10×1.5P	14	20	37.8	33.55	18	7.5	101.5	81.5	31	12	36	4	M16×2.0P	34	39	73	702292		
3JLS-08	210	92	170	5	150	133.4	6-M12×1.75P	18	25	46.3	41.9	22.5	9	127	106	35	14	36	5	M20×2.5P	38	42	95	702294		
3JLS-10	254	115	220	5	190	171.4	6-M16×2P	20	30	51.4	47.0	37.5	10.5	158	133	40	16	36	5	M20×2.5P	45	46	110	702296		

规格 Type	Dimensions 尺寸	柱塞行程 Plunger Stroke	爪行程-直径 Jaw Stroke Dia	容许转速 Max.Speed r.p.m (min ⁻¹)	容许拉力 Max Pull Force kgf (KN)	容许静夹持力 Max Gripping Force kgf (KN)	搭配油缸 Matching Cylinder	夹持范围 Gripping Range		许用压力 Max Pressure kgf/cm ² (Mpa)	重量 Weight (kg)	单价 Price (RMB)
								Min	Max			
3JLS-06	20	28	5000	1730(17)	5200(51)	J-Y1020	19	165	27 (2.6)	13.0	16000	
3JLS-08	25	40	4600	2440(22)	7440(73)	J-Y1225	23	210	25 (2.5)	25.0	17300	
3JLS-10	30	50	4000	2850(28)	10810(106)	J-Y1530	24	254	29 (2.8)	37.0	20000	

J-Y.. 中实高速油压回转缸

Super High Speed Solid Rotary Hydraulic Cylinder



铝合金外形构造，重量比传统回转缸轻，体积小；在高速回转时，可保持性能的稳定及减轻机械负载。

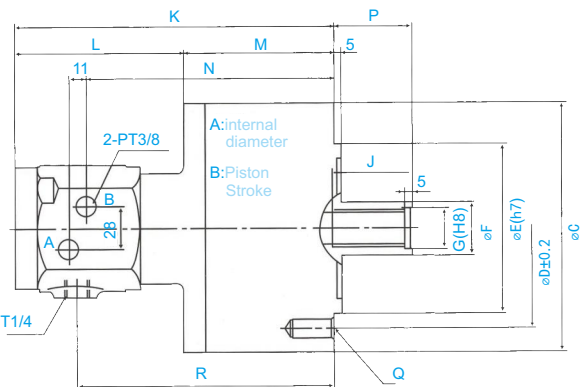
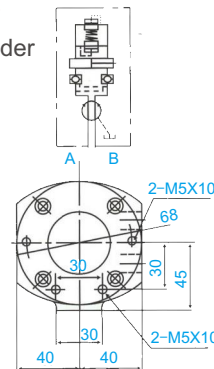
Aluminum alloy configuration, weight lighter than the traditional rotary cylinder, small size; in high-speed rotation, can maintain the stability of performance and reduce mechanical load.

规格 Type	Dimensions 尺寸		A	B	C	D	E h7	F	G H8	H	J	K	L	M	N	P		Q	R	T	编码 Order
	Max	Min																			
J-Y0815	80	15	112	90	65	25	16.5	M16×2.0P	30	175	102	74	119	45	30	6-M8×1.25	164	2-PT3/8	702300		
J-Y1020	100	20	135	100	80	30	20.5	M20×2.5P	35	191	102	89	134	45	25	6-M10×1.5	179	2-PT3/8	702302		
J-Y1225	125	25	160	130	110	35	25.0	M24×3.0P	44	198	102	96	141	50	25	12-M12×1.75	186	2-PT3/8	702304		
J-Y1530	150	30	190	130	110	45	31.0	M30×3.5P	45	207	102	105	150	55	25	12-M12×1.75	195	2-PT3/8	702306		
J-Y2035	200	35	245	145	120	55	37.0	M36×4.0P	60	232	102	130	175	70	35	12-M16×2.0	220	2-PT1/2	702308		

规格 Type	Dimensions 尺寸		柱塞行程 Piston Stroke	容许转速 MAX Speed(min ⁻¹)	惯性 Inertia Gd ² (kg·m ²)	流量 Oil Leakage Rate L/min	活塞面积 Piston Area(cm ²)		许用压力 Max Pressure kgf/cm ² (Mpa)	重量 Weight (kg)	单价 Price (RMB)
	Extend	Retract									
J-Y0815	15	6000	0.010	0.8	48	43	35 (3.4)	3.5	1850		
J-Y1020	20	5500	0.040	0.8	75	68	40 (3.9)	5.0	2150		
J-Y1225	25	5500	0.080	0.8	119	110	40 (3.9)	6.8	2500		
J-Y1530	30	4000	0.180	0.8	173	157	40 (3.9)	10.0	2500		
J-Y2035	35	4000	0.380	0.8	310	286	40 (3.9)	19.5	3300		

J-YS.. 中实高速油压回转缸（带止逆阀）

Super High Speed Solid Rotary Hydraulic Cylinder



铝合金外形构造，重量比传统回转缸轻，体积小；在高速回转时，可保持性能的稳定及减轻机械负载。配置了高速诊断阀，防止断电时压力突然下降发生安全事故，在水平和垂直方向都可以安装许多装置。

Aluminum alloy configuration, weight lighter than the traditional rotary cylinder, small size; in high-speed rotation, can maintain the stability of performance and reduce mechanical load. It is equipped with a high-speed diagnostic valve to prevent sudden drop of pressure during power failure, and many devices can be installed in both horizontal and vertical directions.

It is equipped with a high-speed diagnostic valve to prevent sudden drop of pressure during power failure, and many devices can be installed in both horizontal and vertical directions.

规格 Type	Dimensions 尺寸		A	B	C	D	E h7	F	G H8	H	J	K	L	M	N	P		Q	R	编码 Order
	Max	Min																		
J-YS0715	75	15	104	90	65	30	21	M20×2.5P	32	172	106	66	127	46	31	6-M8×20	133	702399		
J-YS1020	105	20	135	100	80	30	21	M20×2.5P	35	197	108	89	152	45	25	6-M10×20	158	702400		
J-YS1225	125	25	160	130	110	35	25	M24×3.0P	44	205	108	97	160	51	26	6-M12×24	166	702402		
J-YS1530	150	30	190	130	110	45	31	M30×3.5P	45	214	108	106	169	56	26	12-M12×24	175	702404		
J-YS2035	200	35	245	145	120	55	37	M36×4.0P	60	228	106	122	183	69	34	12-M16×30	189	702406		

规格 Type	Dimensions 尺寸		柱塞行程 Piston Stroke	容许转速 MAX Speed(min ⁻¹)	惯性 Inertia Gd ² (kg·m ²)	流量 Oil Leakage Rate L/min	活塞面积 Piston Area(cm ²)		容许推/拉力 Max Pull Force KN(kgf)		许用压力 Max Pressure kgf/cm ² (Mpa)	重量 Weight (kg)	单价 Price (RMB)
	Extend	Retract					推 Push Side	拉 Pull Side					
J-YS0715	15	6000	0.003	0.8	44	37	16.6 (1693)	13.9 (1417)	40.8 (4.0)	4.0	2000		
J-YS1020	20	6000	0.013	0.8	86	79	32 (3263)	29 (2957)	40.8 (4.0)	7.1	2500		
J-YS1225	25	6000	0.023	0.8	122	113	46 (4691)	41 (4183)	40.8 (4.0)	10.0	3000		
J-YS1530	30	5500	0.048	0.8	176	160	66 (6730)	60 (6118)	40.8 (4.0)	13.5	3500		
J-YS2035	35	5500	0.098	0.8	314	314	117 (11930)	108 (11013)	40.8 (4.0)	22.0	5000		

中空卡盘

中实卡盘

立式卡盘

气动卡盘

生爪硬爪

车床刀套

刀座

精密夹头

手动卡盘

顶针

铣床虎钳配件

磨床磁盘

工具万力

线割配件

机床工具

车床卡盘

铣床虎钳

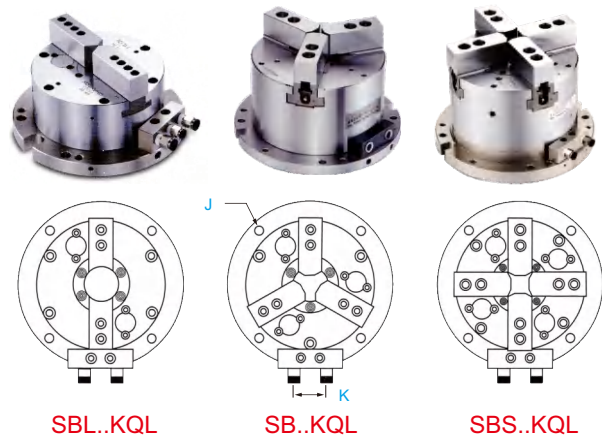
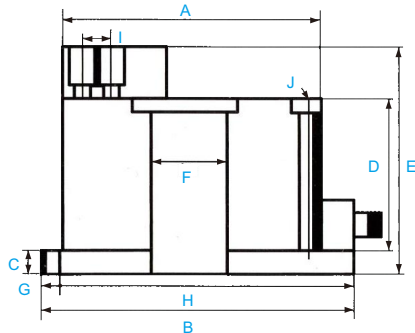
磨床磁盘

线割配件

机械工具

SB..KQL 立式中空气动卡盘

Vertical Through-Hole Pneumatic Chucks



该系列卡盘为内置式气缸式结构，采用高级合金钢材质，所有配合面经表面硬化处理，以提高精度和耐用度。不含联接法兰，D型联接。

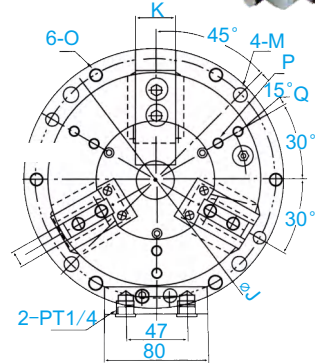
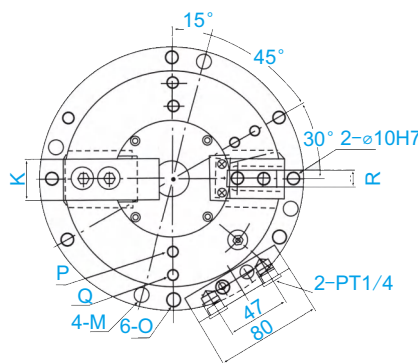
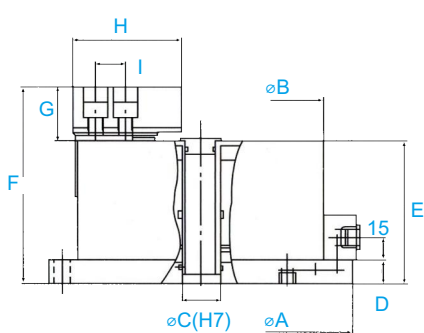
This series of chucks is built-in cylinder structure with advanced alloy steel. All mating surfaces are hardened to improve accuracy and durability. No connecting flange, D type connection.

>> Dimensions (mm)

Dimensions Type 规格	尺寸											爪行程 (直径) Jaw Stroke Dia	允许压力 Max Pressure (Mpa)	Gripping 夹持		重量 Weight (kg)	编码 Order Number	单价 Price (RMB)
	A	B	C	D	E	F	G	H	I	J	K			Min	Max			
SBL-206KQL	168	203	15	97	137	30	11	188	20	M8	47	7.8	0.4-0.8	20	165	703202	10700	
SBL-208KQL	215	255	17	107	148	45	13	238	25	M10	47	9.0	0.4-0.8	25	210	703204	12100	
SBL-210KQL	258	297	20	114	160	60	13	278	30	M12	47	10.4	0.4-0.8	27	250	703206	14100	
SB-205KQL	135	170	15	97	128	26	9	152	14	M6	22	5.4	0.4-0.8	16	135	703210	10000	
SB-206KQL	168	203	15	97	137	30	11	188	20	M8	47	7.8	0.4-0.8	20	165	703212	10700	
SB-208KQL	215	255	17	107	148	45	13	238	25	M10	47	9.0	0.4-0.8	25	210	703214	12100	
SB-210KQL	258	297	20	114	160	60	13	278	30	M12	47	10.4	0.4-0.8	27	250	703216	14100	
SBS-206KQL	168	203	15	97	137	30	11	188	20	M8	47	7.8	0.4-0.8	20	165	703222	12100	
SBS-208KQL	215	255	17	107	148	45	13	238	25	M10	47	9.0	0.4-0.8	25	210	703224	13500	
SBS-210KQL	258	297	20	114	160	60	13	278	30	M12	47	10.4	0.4-0.8	27	250	703226	15500	

JNS..立式内藏式气动卡盘

Vertical Built-in Type Pneumatic Chucks



JNSL..

JNS..

应用于钻床、铣床和加工中心的工件快速夹持，气压驱动，使用方便，设计小型化，轻量化的同时内藏气缸，安装简单。

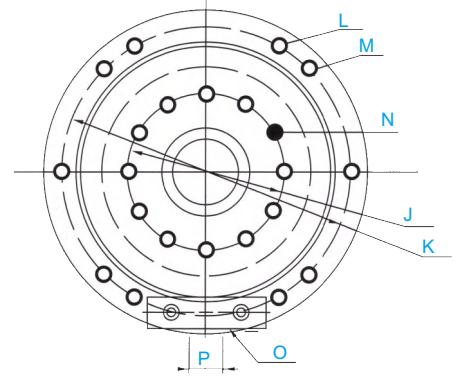
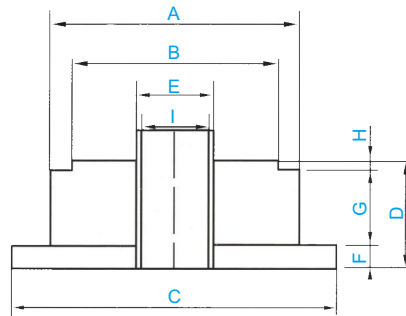
Used in drilling machine, milling machine and machining center workpiece fast clamping, pneumatic drive, easy to use, design miniaturization, lightweight and at the same time, the cylinder is built-in, easy to install.

>> Dimensions (mm)

Dimensions Type 规格	尺寸											爪行程 Jaw Stroke Dia	夹持力 Max. Gripping Force kgf(KN)	夹持范围 Gripping Range		允许压力 Max Pressure kgf/cm² (Mpa)	重量 Weight (kg)	编码 Order Number	单价 Price (RMB)			
	A	B	C H7	D	E	F	G	H	I	J	O			P	G					R	Min	Max
JNSL-04	148	110	20	15	90	117	27	53	14	130±0.2	M8×1.25	-	-	10	5.2	765 (7.5)	15	110	6 (0.6)	7.0	703232	11000
JNSL-06	203	165	25	15	95	131	36	72	20	185±0.2	M10×1.5	2-M8×1.25	3-M8×1.25	12	5.2	2150 (21)	23	165	6 (0.6)	15.0	703234	12000
JNSL-08	248	210	36	15	106	148	42	95	25	230±0.2	M10×1.5	2-M8×1.25	3-M8×1.25	14	6.3	3365 (33)	30	210	6 (0.6)	26.7	703236	14000
JNSL-10	300	254	50	16	110	156	46	110	30	280±0.2	M12×1.75	2-M10×1.5	3-M10×1.5	16	6.3	2390 (24)	50	254	6 (0.6)	40.8	703238	16000
JNS-04	148	110	20	15	90	117	27	53	14	130±0.2	M8×1.25	-	-	10	5.2	765 (7.5)	15	110	7 (0.7)	7.5	703242	11000
JNS-06	203	165	25	15	95	131	36	72	20	185±0.2	M10×1.5	3-M8×1.25	3-M8×1.25	12	5.2	2150 (21)	23	165	7 (0.7)	16.0	703244	11500
JNS-08	248	210	36	15	106	148	42	95	25	230±0.2	M10×1.5	3-M8×1.25	3-M8×1.25	14	6.3	3365 (33)	30	210	7 (0.7)	27.8	703246	13500
JNS-10	300	254	50	16	110	156	46	110	30	280±0.2	M12×1.75	3-M10×1.5	3-M10×1.5	16	6.3	2390 (24)	50	254	7 (0.7)	42.5	703248	15600

JYS.. 立式中空液压卡盘

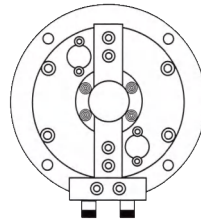
Vertical Hollow Hydraulic Chuck



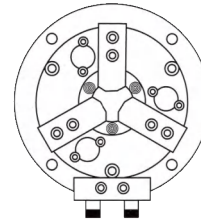
应用于钻床、铣床和加工中心的工件快速夹持，油压驱动；
 单个安装：用T型螺丝直接固定即可；
 群组安装：将数个夹盘安装与固定板上。

It is applied to drilling, milling machine and machining center for fast clamping of workpiece and hydraulic drive. Single installation:

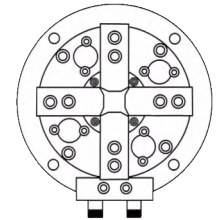
It can be fixed directly with T-screw;
 Group installation: several chucks are installed on the fixed plate.



JYL..



JYS..



JY..

>> Dimensions (mm)

Type 规格	Dimensions 尺寸		A	B	C H7	D	E	F	G	H	I	J	K	L	M	N	O	R	编码 Order
JYL-06			168	140	218	72	M55×2.0	15	52	6	45	104.8	195	6-M10×1.5	11	12-M10×1.5	PT1/4	22	703252
JYL-08			210	170	258	81	M60×2.0	18	58	6	45	133.4	234	6-M12×1.75	13	12-M12×1.75	PT1/4	22	703254
JYL-10			254	220	306	91	M85×2.0	20	72	6	70	171.4	280	6-M12×1.75	17	12-M16×2.0	PT1/4	22	703256
JYS-06			168	140	218	72	M55×2.0	15	52	6	45	104.8	195	6-M10×1.5	11	12-M10×1.5	PT1/4	22	703262
JYS-08			210	170	258	81	M60×2.0	18	58	6	45	133.4	234	6-M12×1.75	13	12-M12×1.75	PT1/4	22	703264
JYS-10			254	220	306	91	M85×2.0	20	72	6	70	171.4	280	6-M12×1.75	17	12-M16×2.0	PT1/4	22	703266
JY-06			168	140	218	72	M55×2.0	15	52	6	45	104.8	195	6-M10×1.5	11	12-M10×1.5	PT1/4	22	703272
JY-08			210	170	258	81	M60×2.0	18	58	6	45	133.4	234	6-M12×1.75	13	12-M12×1.75	PT1/4	22	703274
JY-10			254	220	306	91	M85×2.0	20	72	6	70	171.4	280	6-M12×1.75	17	12-M16×2.0	PT1/4	22	703276

Type 规格	Dimensions 尺寸	柱塞行程 Piston Stroke	爪行程 Dia Jaw Stroke	允许推(拉)力 Max.Push(Pull) Force kgf(KN)		活塞面积 Piston Area cm ²		允许油压压力 Max Pressure kgf/cm ² (Mpa)	夹持范围 Gripping Range		重量 Weight (kg)	单价 Price (RMB)
				推力侧Push Side	拉力侧Pull Side	推力侧Push Side	拉力侧Pull Side		Min	Max		
JYL-06		12	5.5	2500 (24.5)	2400 (23.5)	71	68	40 (3.9)	23	165	24.5	12600
JYL-08		16	7.4	3700 (36)	3200 (31.5)	100	89	40 (3.9)	30	210	43	14300
JYL-10		20	8.8	5800 (57)	5500 (54)	160	150	40 (3.9)	50	254	69.1	19000
JYS-06		12	5.5	2500 (24.5)	2400 (23.5)	71	68	40 (3.9)	23	165	24.5	12300
JYS-08		16	7.4	3700 (36)	3200 (31.5)	100	89	40 (3.9)	30	210	43	14000
JYS-10		20	8.8	5800 (57)	5500 (54)	160	150	40 (3.9)	50	254	69.1	19000
JY-06		12	5.5	2500 (24.5)	2400 (23.5)	71	68	40 (3.9)	23	165	24.5	14000
JY-08		16	7.4	3700 (36)	3200 (31.5)	100	89	40 (3.9)	30	210	43	16000
JY-10		20	8.8	5800 (57)	5500 (54)	160	150	40 (3.9)	50	254	69.1	21000

中空卡盘

中实卡盘

立式卡盘

气动卡盘

生爪硬爪

车床刀套

刀座

精密夹头

手动卡盘

顶针

铣床虎钳配件

磨床磁盘

工具万力

线割配件

机床工具

车床卡盘

铣床虎钳

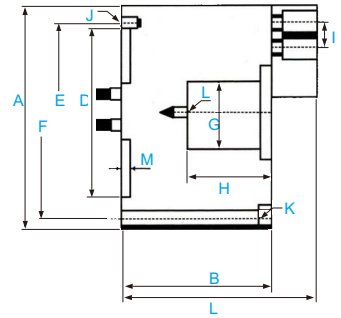
磨床磁盘

线割配件

机械工具

SB..KQ 气动卡盘-半通孔

Half-Through-Hole Pneumatic Chucks



该系列卡盘为内置式气缸式结构，采用高级合金钢材质，所有配合面经表面硬化处理，以提高精度和耐用度。不含联接法兰，D型联接。

This series of chucks is built-in cylinder structure with advanced alloy steel. All mating surfaces are hardened to improve accuracy and durability. No connecting flange, D type connection.

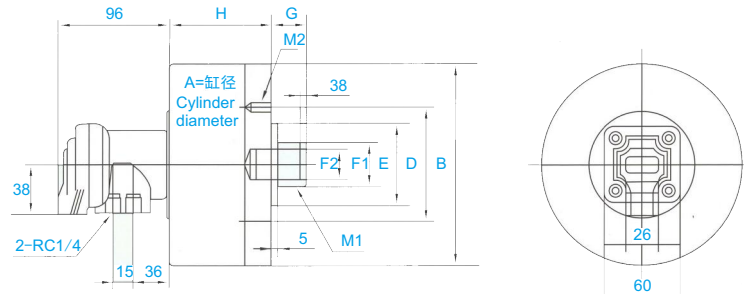
>> Dimensions (mm)

Type 规格	Dimensions 尺寸															编码 Order	
	A	B	C h6	D	E	F	G	H	I	J	K	L	M	N			
精密夹头																	
SB-206KQ	168	100	140	130	142	154	30	67	20	M8×1.25	M8×1.25	M6×1.0	4	M8×1.25	703602		
SBL-208KQ	215	110	185	165	180	196	45	74	25	M10×1.5	M10×1.5	M8×1.25	5	M10×1.5	703604		
SBL-210KQ	258	117	220	206	226	238	60	76	30	M10×1.5	M12×1.75	M8×1.25	5	M10×1.5	703606		
手动卡盘																	
SB-205KQ	135	100	-	95	108	-	26	67	14	M8×1.25	-	M6×1.0	4	M6×1.0	703610		
SB-206KQ	168	100	140	130	142	154	30	67	20	M8×1.25	M8×1.25	M6×1.0	4	M8×1.25	703612		
SB-208KQ	215	110	180	165	180	196	45	74	25	M10×1.5	M10×1.5	M8×1.25	5	M10×1.5	703614		
SB-210KQ	258	117	220	206	226	238	60	76	30	M10×1.5	M12×1.75	M8×1.25	5	M10×1.5	703616		
顶针																	
SBS-206KQ	168	100	140	130	142	154	30	67	20	M8×1.25	M8×1.25	M6×1.0	4	M8×1.25	703622		
SBS-208KQ	215	110	180	165	180	196	45	74	25	M10×1.5	M10×1.5	M8×1.25	5	M10×1.5	703624		
SBS-210KQ	258	117	220	206	226	238	60	76	30	M10×1.5	M12×1.75	M8×1.25	5	M10×1.5	703626		

Type 规格	爪行程 Jaw Stroke Dia	许用压力 Max Pressure (Mpa)	极限转速 Max. Speed r. p. m (min ⁻¹)	搭配气缸 Matching Cylinder	夹紧范围 Gripping Range		撑紧范围 Extend Range		重量 Weight (kg)	单价 Price (RMB)
					Min	Max	Min	Max		
磨床磁盘										
SBL-206KQ	7.8	0.4-0.8	3600	JS1315	2	170	20	180	13.0	11000
SBL-208KQ	9.0	0.4-0.8	3200	JS1720	5	210	20	240	25.0	12500
SBL-210KQ	10.4	0.4-0.8	2800	JS2225	10	260	30	280	37.0	14500
工具万力										
SB-205KQ	5.4	0.4-0.8	4000	JS1315	2	130	20	150	6.2	10000
SB-206KQ	7.8	0.4-0.8	3600	JS1315	2	170	20	180	13.0	11000
SB-208KQ	9.0	0.4-0.8	3200	JS1720	5	210	20	240	25.0	12500
SB-210KQ	10.4	0.4-0.8	2800	JS2225	10	260	30	280	37.0	14500
线割配件										
SBS-206KQ	7.8	0.4-0.8	3600	JS1315	2	170	20	180	13.0	12500
SBS-208KQ	9.0	0.4-0.8	3200	JS1720	5	210	20	240	25.0	13800
SBS-210KQ	10.4	0.4-0.8	2800	JS2225	10	260	30	280	37.0	15900

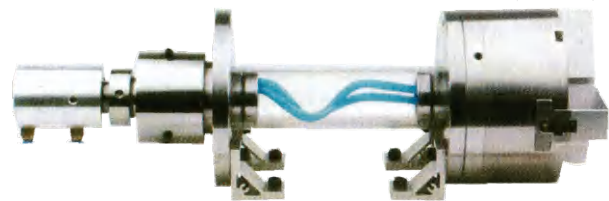
TS.. 高速气动回转缸

High Speed Solid Rotary Air Cylinder



铝合金外形构造，重量比传统回转缸轻，体积小；在高速回转时，可保持性能的稳定及减轻机械负载。

Aluminum alloy configuration, weight lighter than the traditional rotary cylinder, small size; in high-speed rotation, can maintain the stability of performance and reduce mechanical load.



气动卡盘安装示例

Installation example of pneumatic chuck

Type 规格	A	B	D	E h7	F1	F2 H8	G		H	M1	M2	编码 Order
							Max	Min				
TS1315	130	160	90	65	25	17	45	30	70	M16×25	6-M6×18	703652
TS1720	170	200	100	80	25	17	40	20	77	M16×30	6-M10×18	703654
TS2225	220	225	130	110	30	21	50	25	77	M20×30	6-M12×18	703656

Type 规格	活塞行程 Piston Stroke	容许速度 MAX Speed (min ⁻¹)	惯性 Inertia Gd ² (kg. m ²)	活塞面积 Piston Area (cm ²)		容许推/拉力 Max Pull Force KN(kgF)		许用气压 Max Pressure kgf/cm ² (Mpa)	重量 Weight (kg)	单价 Price (RMB)
				推力侧 Push Side	拉力侧 Pull Side	推力侧 Push Side	拉力侧 Pull Side			
TS1315	15	5000	0.05	131.12	127.76	545 (9.25)	920 (9)	8.0 (0.8)	5.3	3800
TS1720	20	5000	0.13	225.3	219.8	1622 (15.9)	1582 (15.5)	8.0 (0.8)	8.5	6900
TS2225	25	4000	0.17	378.6	369.3	2254 (22.1)	2193 (21.5)	8.0 (0.8)	11.6	10000

XZQ. 修爪器 (油压生爪修整成形固定圈)

Gripper(Chucks Jaw Trimming And Forming Fixing Ring)

修爪器特点:

1. 使用后握持力增强, 提高了真圆度, 圆心度等精度, 不会产生喇叭状离心振动, 影响精度。
2. 外部夹持及内孔撑紧均可使用, 可任意调整所需尺寸, 操作迅速简便, 节省修整时间, 永久使用。
3. 旧的夹头使用成型圈后, 可以提高精度和握持力, 使恢复同新品一样品质。

The characteristics of the claw device are:

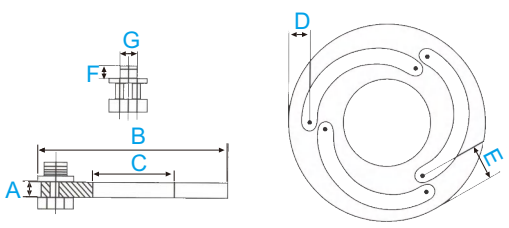
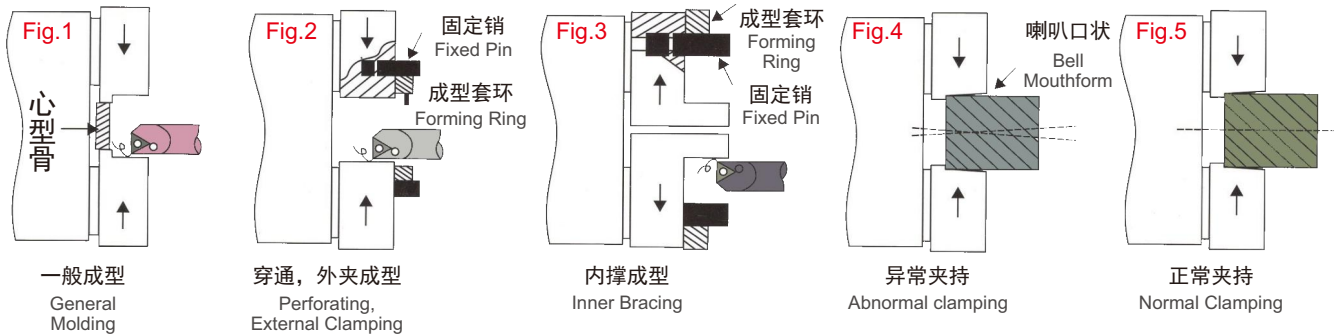
1. The grip force is enhanced after use, the accuracy of roundness and centricity is improved, and the trumpet centrifugal vibration is not produced, which affects the accuracy.
2. External clamping and inner hole bracing can be used, and the required size can be adjusted arbitrarily. The operation is quick and simple, saving the dressing time and permanent use.
3. After the old chuck uses the molding ring, it can improve the precision and grip force, and restore the same quality as the new one.

使用说明:

1. 使用成型圈, 不但能做到外夹, 内张与穿通成型三种方式的成型, 尚可夹住工作物件时在同样的状态成形, 所以芯振摆少, 把握力也就提升。(Fig.1, Fig.2, Fig.3)
2. 使用硬爪夹持时, 接触面不良会产生喇叭口状, 把握力不良会产生离心振动, 影响精度, 危险性高 (Fig.4)
3. 使用成形圈, 与夹头一起成型时, 无芯振摆现象, 把握力可靠, 可提高精度。(Fig.5)

Instructions:

1. By using the forming ring, not only can the outer clamping, the inner stretching and the through forming be realized, but also the working object can be formed in the same state when clamped. Therefore, the core vibration is less, and the grip power is also improved. (Fig. 1/2/3)
2. When gripping with hard claws, bad contact surface will produce horn-shaped, poor grasp force will produce centrifugal vibration, affecting accuracy, high risk.(Fig.4)
3. When the forming ring is used and the clamp is formed together, there is no core oscillating pendulum phenomenon. The holding force is reliable and the precision can be improved. (Fig.5)



>> Dimensions (mm)

规格 Type	尺寸 Dimensions	编码 Order Number	A	B	C	D	E	F	G	重量 Weight (kg)	单价 Price (RMB)
XZQ-04		707460	12	114	34	12	28	9	13	0.9	2000
XZQ-05		707462	12	140	60	12	28	9	13	1.2	2000
XZQ-06		707464	12	168	60	12	32	9	16.5	1.5	2100
XZQ-08		707466	12	218	115	15	36	9	18.5	2.4	2400
XZQ-10		707468	12	258	150	17	40	9	18.5	3.1	3000
XZQ-12		707470	15	316	188	21	50	9	22.5	5.4	4000
XZQ-15		707472	20	380	230	23	52	16	31	10.1	5000

中空卡盘
中实卡盘
立式卡盘
气动卡盘
生爪硬爪
车床刀套
刀座
精密夹头
手动卡盘
顶针
铣床虎钳配件
磨床磁盘
工具万力
线割配件
机床工具
车床卡盘
铣床虎钳
磨床磁盘
线割配件
机械工具

中空卡盘

T型块 T-Nuts



又名T型螺母，可将其他连接件简单安全地固定在槽内。装配过程中，它能自动定位，自动锁紧，主要用于T型槽。

Also known as T nut, other connectors can be simply and safely fixed to the tank. During the assembly process, it can automatically locate and automatically lock, and is mainly used for T groove.

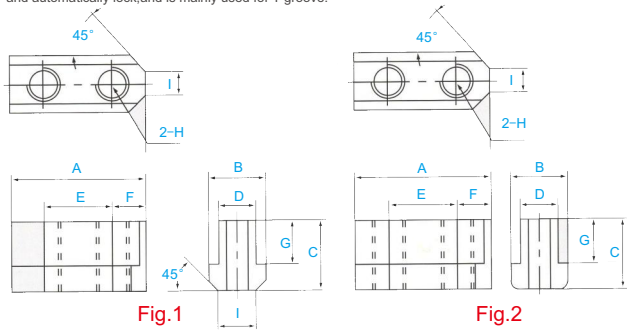


Fig.1

Fig.2

>> Dimensions (mm)

规格 Type	尺寸 Order Number	A	B	C	D	E	F	G	H	I	Fig	应用 Application	重量 Weight (kg)	单价 Price (RMB)
JNT04	707430	28	15	18	10	14	7	12.5	M8	10	Fig.1	JN-04, JNS-04	200	200
SBT05	707432	26	15	15	10	14	6	9.5	M8	10	Fig.1	SBL-205, SB-205, SBS-205	200	200
JNT05	707434	26	15	16.5	10	14	6	11	M8	10	Fig.1	JN-05	230	230
SBT06	707436	36.5	17.5	18.5	12	20	8.2	11	M10	11	Fig.1	SBL-206, SB-206, SBS-206	225	225
JNT06	707438	36.5	17.5	22.5	12	20	7.5	15	M10	11	Fig.1	SB-06, JN-06, JNL-06, JNSL-06	225	225
SBT08	707440	46.5	20	20.5	14	25	10.5	12	M12	14	Fig.1	SBL-208, SB-208, SBS-208	275	275
JNT08	707442	50	21	26	14	25	12.5	16.5	M12	14	Fig.1	JNL-08, JN-08, JNS-08, JNSL-08	275	275
SBT10	707444	51	22.5	21.5	16	30	11	13	M12	14	Fig.1	SBL-210, SB-210, SBS-210	325	325
JNT10	707446	55	22.5	25.5	16	30	11	16	M12	14	Fig.1	JNL-10, JN-10, JNS-10, JNSL-10	325	325
SBT12	707448	55.5	29.5	27.8	21	30	11.5	16.3	M16	-	Fig.1	SBL-212, SB-212, SBS-212	375	375
JNT12	707450	55.5	26.5	33.5	18	30	12	20	M14	-	Fig.2	JNL-12, JN-12	375	375
SBT15	707452	80	33.5	38	24	43	17	21.5	M20	-	Fig.1	SBL-215, SB-215, SBS-215	500	500
JNT15	707454	80	33.5	38	22	43	17	21.5	M20	-	Fig.2	JN-15, JN-18, JNL-15, JNL-18	500	500
JNT24	707456	100	37.5	45	25	60	20	26	M20	-	Fig.2	JN-21, JN-24, JNL-21, JNL-24	600	600

中实卡盘

立式卡盘

气动卡盘

生爪硬爪

车床刀套

刀座

精密夹头

手动卡盘

顶针

铣床虎钳配件

磨床磁盘

工具万力

线割配件

机床工具

车床卡盘

铣床虎钳

磨床磁盘

线割配件

机械工具

JSA..卡盘联接盘 Adaptor Plates



图1用于直接安装，当主轴的尺寸与卡盘的直接为标配的时候；图2和图3用于间接安装（减小和增大），当主轴的尺寸与卡盘的直径不是标配的时候。

Fig.1 is used for direct installation: when the size of the spindle is directly matched with the chuck, Fig.2 and Fig.3 are for indirect mounting (reduction and increase): when the spindle size does not match the chuck diameter.

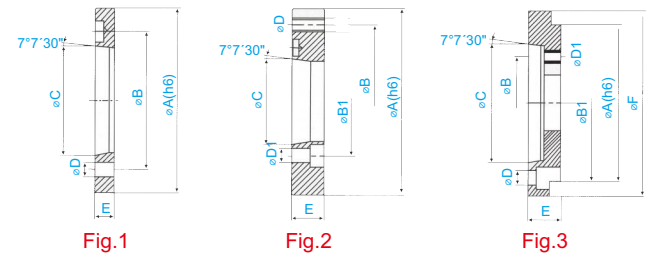


Fig.1

Fig.2

Fig.3

>> Dimensions (mm)

规格 Type	尺寸 Order Number	连接盘 Connection Number	A h6	B	B1	C	D	D1	E	F	Fig	重量 Weight (kg)	单价 Price (RMB)
JSA00504	707500	A4	80	82.6	-	63.51	9	-	20	-	Fig.1	0.55	600
JSA00504	707502	A4	140	104.8	82.6	63.51	11	M10	20	-	Fig.2	1.60	600
JSA00505	707504	A5	140	104.8	-	82.56	11	-	15	-	Fig.1	1.00	400
JSA00506	707506	A6	140	104.8	133.4	106.38	13	M10	30	165	Fig.3	3.50	600
JSA00505	707508	A5	170	133.4	104.8	82.56	11	M12	24	-	Fig.2	2.70	400
JSA00506	707510	A6	170	133.4	-	106.38	13	-	17	-	Fig.1	1.50	400
JSA00508	707512	A8	170	133.4	171.4	139.72	17	M12	40	210	Fig.3	6.20	600
JSA01006	707514	A6	220	171.4	133.4	106.38	13	M16	28	-	Fig.2	3.00	750
JSA01008	707516	A8	220	171.4	-	139.72	17	-	18	-	Fig.1	2.70	750
JSA01508	707518	A8	300	235	171.4	139.72	17	M20	22	-	Fig.2	8.50	900
JSA01511	707520	A11	300	235	-	196.87	21	-	22	-	Fig.1	6.50	900
JSA01515	707522	A15	300	235	330.2	285.78	25	M20	50	380	Fig.3	22.00	1100
JSA02108	707524	A8	380	330.2	171.4	139.72	17	M22	27	-	Fig.2	21.00	1350
JSA02111	707526	A11	380	330.2	235	196.87	21	M22	27	-	Fig.2	18.00	1200
JSA02115	707528	A15	380	330.2	-	285.78	23	-	27	-	Fig.1	10.00	1200
JSA02120	707530	A20	380	330.2	463.6	412.78	27	M22	58	520	Fig.3	55.00	1800

YZ..油压硬爪 Standard Hardened Jaw For Hydraulic Chucks

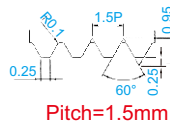
经过淬火硬化处理，硬度较高，一般车床用硬爪。可夹持棒料，圆柱形毛坯等，夹紧牢靠，夹持力大。

After hardening treatment, the hardness is higher. Ordinary lathe with hard claw. It can hold bar material, cylindrical blank and so on. It has strong clamping force and large clamping force.

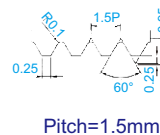


经过淬火硬化处理，硬度较高，一般车床用硬爪。可夹持棒料，圆柱形毛坯等，夹紧牢靠，夹持力大。

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Pitch=1.5mm



Pitch=1.5mm

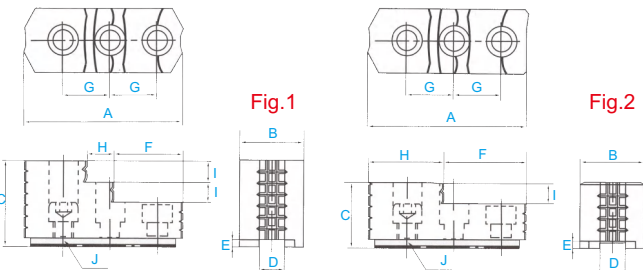


Fig.1

Fig.2

>> Dimensions (mm)

规格 Type	尺寸 Order Number	A	B	C	D	E	F	G	H	I	J	Fig	重量 Weight (kg)	单价 Price (RMB)
YZ2C	707402	53	23	28	10	4	23	14	24	10	M8×1.25	Fig.2	0.4	1900
YZ2C	707406	67	31	36	12	5	39	20	28	12	M10×1.5	Fig.2	0.95	2100
YZ2C	707408	87	35	51	14	5	30	25	18	12	M12×1.75	Fig.1	1.9	2400
YZ10C	707408	101	40	54	16	5	46	30	18	13	M12×1.75	Fig.1	2.8	3000
YZ12C-21	707410	108	50	67	21	5	49	30	20	16	M16×2.0	Fig.1	3.5	3700
YZ12C-18	707411	108	50	67	18	5	49	30	20	16	M16×2.0	Fig.1	3.7	3700
YZ15C-22	707412	143	62	86	22	8	55	43	38	20	M20×2.5	Fig.1	9.6	6800
YZ15C-25.5	707413	143	62	86	25.5	5	55	43	38	20	M20×2.5	Fig.1	9.5	6800

SZSX..扇形油压软爪 Fan-shaped Hydraulic Soft Jaw

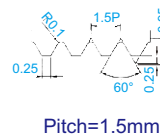
用于夹持质地软的，容易变形的工件。车好的软爪，夹零件可以减少碰伤，提高同轴度，可车带定位软爪。

It is used for clamping soft, easily deformed workpieces. The soft jaw and clamping parts can reduce bruise and improve coaxiality.

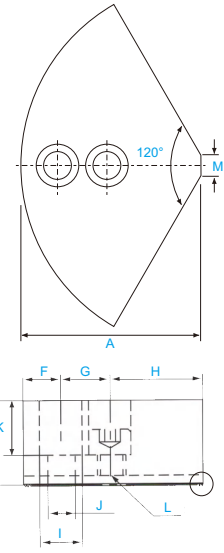


用于夹持质地软的，容易变形的工件。车好的软爪，夹零件可以减少碰伤，提高同轴度，可车带定位软爪。

It is used for clamping soft, easily deformed workpieces. The soft jaw and clamping parts can reduce bruise and improve coaxiality.



Pitch=1.5mm



>> Dimensions (mm)

规格 Type	尺寸 Order Number	A	B	C	D	E	F	G	H	I	J	K	L	M	重量 Weight (kg)	单价 Price (RMB)
SZSX4C120	707360	49.5	86	23	10	5	9	14	26.5	13.5	9	14	M8	3	1.5	2000
SZSX5C120	707362	54	108	30	10	5	9	14	31	13.5	9	21	M8	5	3.0	2100
SZSX6C120	707364	73	129	36	12	5	15	20	31	17	11	23	M10	14	5.5	2250
SZSX8C120	707366	95	173	37	14	5	25	25	46	19	13	28	M12	16	10.5	3600
SZSX10C120	707368	110	216	42	16	5	30	30	50	19	13	27	M12	18	16.0	5000

卡盘生爪/硬爪

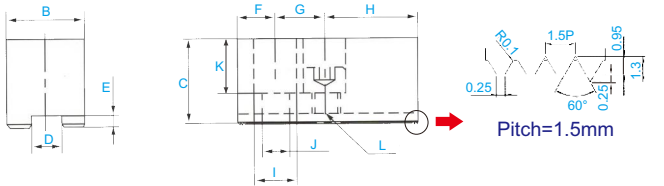
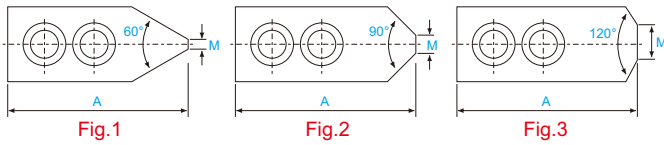
Chuck raw Claw / hard claw

标准/加高压软爪

Heighten And Standard Soft Jaw For Hydraulic Chucks

用于夹持质地软的，容易变形的工件。车好的软爪，夹零件可以减少碰伤，提高同轴度，可车带定软爪。

It is used for clamping soft, easily deformed workpieces. The soft jaw and clamping parts can reduce bruise and improve coaxiality.



SZ5C..5寸标准/加高压软爪

5 Inch Heighten And Standard Soft Jaw For Hydraulic Chucks

>> Dimensions (mm)

规格 Type	Dimensions 尺寸	编码 Order Number	A	B	C	D	E	F	G	H	I	J	K	L	M	Fig	重量 Weight (kg)	单价 Price (RMB)
SZ5C60	707200	54	25	30	10	5	9	14	31	13.5	9	21	M8	5	Fig.1	0.70	185	
SZ5C90	707202	54	25	30	10	5	9	14	31	13.5	9	21	M8	5	Fig.2	0.70	175	
SZ5C120	707204	54	25	30	10	5	9	14	31	13.5	9	21	M8	5	Fig.3	0.70	165	
SZ5C120H40	707206	54	25	40	10	5	9	14	31	13.5	9	21	M8	5	Fig.3	0.89	300	
SZ5C120H50	707208	54	25	50	10	5	9	14	31	13.5	9	21	M8	5	Fig.3	1.11	350	
SZ5C120H60	707210	54	25	60	10	5	9	14	31	13.5	9	21	M8	5	Fig.3	1.53	400	
SZ5C120H70	707212	54	25	70	10	5	9	14	31	13.5	9	21	M8	5	Fig.3	1.55	450	
SZ5C120H80	707214	54	25	80	10	5	9	14	31	13.5	9	21	M8	5	Fig.3	1.77	650	
SZ5C120H90	707216	54	25	90	10	5	9	14	31	13.5	9	21	M8	5	Fig.3	1.99	750	
SZ5C120H100	707218	54	25	100	10	5	9	14	31	13.5	9	21	M8	5	Fig.3	2.22	850	
SZ5C120H120	707219	54	25	120	10	5	9	14	31	13.5	9	21	M8	5	Fig.3	2.66	1000	

SZ6C..6寸标准/加高压软爪

6 Inch Heighten And Standard Soft Jaw For Hydraulic Chucks

规格 Type	Dimensions 尺寸	编码 Order Number	A	B	C	D	E	F	G	H	I	J	K	L	M	Fig	重量 Weight (kg)	单价 Price (RMB)
SZ6C60	707220	73	31	36	12	5	15	20	31	17	11	23	M10	5	Fig.1	1.50	220	
SZ6C90	707222	73	31	36	12	5	15	20	31	17	11	23	M10	9	Fig.2	1.50	210	
SZ6C120	707224	73	31	36	12	5	15	20	31	17	11	23	M10	14	Fig.3	1.50	200	
SZ6C120H50	707226	73	31	50	12	5	15	20	31	17	11	23	M10	14	Fig.3	2.00	350	
SZ6C120H60	707228	73	31	60	12	5	15	20	31	17	11	23	M10	14	Fig.3	2.40	400	
SZ6C120H70	707230	73	31	70	12	5	15	20	31	17	11	23	M10	14	Fig.3	2.80	450	
SZ6C120H80	707232	73	31	80	12	5	15	20	31	17	11	23	M10	14	Fig.3	3.20	500	
SZ6C120H90	707234	73	31	90	12	5	15	20	31	17	11	23	M10	14	Fig.3	3.60	550	
SZ6C120H100	707236	73	31	100	12	5	15	20	31	17	11	23	M10	14	Fig.3	4.00	600	
SZ6C120H120	707238	73	31	120	12	5	15	20	31	17	11	23	M10	14	Fig.3	4.80	800	
SZ6C120H130	707240	73	31	130	12	5	15	20	31	17	11	23	M10	14	Fig.3	5.20	900	
SZ6C120H150	707242	73	31	150	12	5	15	20	31	17	11	23	M10	14	Fig.3	6.00	1000	

SZ8C..8寸标准/加高压软爪

8 Inch Heighten And Standard Soft Jaw For Hydraulic Chucks

规格 Type	Dimensions 尺寸	编码 Order Number	A	B	C	D	E	F	G	H	I	J	K	L	M	Fig	重量 Weight (kg)	单价 Price (RMB)
SZ8C60	707244	95	35	37	14	5	25	25	46	19	13	22	M12	5	Fig.1	2.40	270	
SZ8C90	707246	95	35	37	14	5	25	25	46	19	13	22	M12	10	Fig.2	2.40	260	
SZ8C120	707248	95	35	37	14	5	25	25	46	19	13	22	M12	16	Fig.3	2.40	250	
SZ8C120H40	707250	95	35	40	14	5	25	25	46	19	13	22	M12	16	Fig.3	2.50	350	
SZ8C120H50	707252	95	35	50	14	5	25	25	46	19	13	22	M12	16	Fig.3	2.80	400	
SZ8C120H60	707254	95	35	60	14	5	25	25	46	19	13	22	M12	16	Fig.3	3.36	450	
SZ8C120H70	707256	95	35	70	14	5	25	25	46	19	13	22	M12	16	Fig.3	3.92	500	
SZ8C120H80	707258	95	35	80	14	5	25	25	46	19	13	22	M12	16	Fig.3	4.50	550	
SZ8C120H90	707260	95	35	90	14	5	25	25	46	19	13	22	M12	16	Fig.3	5.05	600	
SZ8C120H100	707262	95	35	100	14	5	25	25	46	19	13	22	M12	16	Fig.3	5.60	700	
SZ8C120H120	707264	95	35	120	14	5	25	25	46	19	13	22	M12	16	Fig.3	6.72	750	
SZ8C120H130	707266	95	35	130	14	5	25	25	46	19	13	22	M12	16	Fig.3	7.28	800	
SZ8C120H140	707268	95	35	140	14	5	25	25	46	19	13	22	M12	16	Fig.3	7.80	900	
SZ8C120H150	707270	95	35	150	14	5	25	25	46	19	13	22	M12	16	Fig.3	8.40	1000	
SZ8C120H180	707272	95	35	180	14	5	25	25	46	19	13	22	M12	16	Fig.3	10.10	1400	
SZ8C120H200	707274	95	35	200	14	5	25	25	46	19	13	22	M12	16	Fig.3	11.20	1650	

SZ10C..10寸标准/加高压软爪

10 Inch Heighten And Standard Soft Jaw For Hydraulic Chucks

规格 Type	Dimensions 尺寸	编码 Order Number	A	B	C	D	E	F	G	H	I	J	K	L	M	Fig	重量 Weight (kg)	单价 Price (RMB)
SZ10C60	707276	110	40	42	16	5	30	30	50	19	13	27	M12	8	Fig.1	3.70	340	
SZ10C90	707278	110	40	42	16	5	30	30	50	19	13	27	M12	13	Fig.2	3.70	320	
SZ10C120	707280	110	40	42	16	5	30	30	50	19	13	27	M12	18	Fig.3	3.70	300	
SZ10C120H50	707282	110	40	50	16	5	30	30	50	19	13	27	M12	18	Fig.3	4.25	400	
SZ10C120H60	707284	110	40	60	16	5	30	30	50	19	13	27	M12	18	Fig.3	5.10	450	
SZ10C120H70	707286	110	40	70	16	5	30	30	50	19	13	27	M12	18	Fig.3	5.95	550	
SZ10C120H80	707288	110	40	80	16	5	30	30	50	19	13	27	M12	18	Fig.3	6.80	600	
SZ10C120H90	707290	110	40	90	16	5	30	30	50	19	13	27	M12	18	Fig.3	7.65	700	
SZ10C120H100	707292	110	40	100	16	5	30	30	50	19	13	27	M12	18	Fig.3	8.50	800	
SZ10C120H110	707293	110	40	110	16	5	30	30	50	19	13	27	M12	18	Fig.3	9.35	850	
SZ10C120H120	707294	110	40	120	16	5	30	30	50	19	13	27	M12	18	Fig.3	10.20	900	
SZ10C120H130	707297	110	40	130	16	5	30	30	50	19	13	27	M12	18	Fig.3	11.05	1000	
SZ10C120H140	707298	110	40	140	16	5	30	30	50	19	13	27	M12	18	Fig.3	11.90	1100	
SZ10C120H150	707298	110	40	150	16	5	30	30	50	19	13	27	M12	18	Fig.3	12.75	1150	
SZ10C120H180	707300	110	40	180	16	5	30	30	50	19	13	27	M12	18	Fig.3	15.30	1600	
SZ10C120H200	707302	110	40	200	16	5	30	30	50	19	13	27	M12	18	Fig.3	17.00	1800	

SZ12C..12寸标准/加高压软爪

12 Inch Heighten And Standard Soft Jaw For Hydraulic Chucks

规格 Type	Dimensions 尺寸	编码 Order Number	A	B	C	D	E	F	G	H	I	J	K	L	M	Fig	重量 Weight (kg)	单价 Price (RMB)
ZKSZ12C60-21	707304	130	50	50	21	5	39	30	61	25	17	30	M14	10	Fig.1	6.2	490	
ZKSZ12C90-21	707306	130	50	50	21	5	39	30	61	25	17	30	M14	15	Fig.2	6.2	465	
ZKSZ12C120-21	707308	130	50	50	21	5	39	30	61	25	17	30	M14	23	Fig.3	6.2	450	
ZKSZ12C120H60	707310	130	50	60	21	5	39	30	61	25	17	30	M14	23	Fig.3	7.5	600	
ZKSZ12C120H70	707312	130	50	70	21	5	39	30	61	25	17	30	M14	23	Fig.3	8.75	700	
ZKSZ12C120H80	707314	130	50	80	21	5	39	30	61	25	17	30	M14	23	Fig.3	10.0	750	
ZKSZ12C120H90	707316	130	50	90	21	5	39	30	61	25	17	30	M14	23	Fig.3	11.25	850	
ZKSZ12C120H100	707318	130	50	100	21	5	39	30	61	25	17	30	M14	23	Fig.3	12.5	1100	
ZKSZ12C120H120	707320	130	50	120	21	5	39	30	61	25	17	30	M14	23	Fig.3	15.0	1200	
ZKSZ12C120H150	707322	130	50	150	21	5	39	30	61	25	17	30	M14	23	Fig.3	18.75	1400	

▲ 适用于中空液压卡盘。 ▲ Used For Hollow Hydraulic Chucks

规格 Type	Dimensions 尺寸	编码 Order Number	A	B	C	D	E	F	G	H	I	J	K	L	M	Fig	重量 Weight (kg)	单价 Price (RMB)
ZSSZ12C90-18	707350	130	50	50	18	5	39	30	61	23	15	30	M16	10	Fig.1	6.2	490	
ZSSZ12C90-18	707352	130	50	50	18	5	39	30	61	23	15	30	M16	15	Fig.2	6.2	465	
ZSSZ12C120-18	707354	130	50	50	18	5	39	30	61	23	15	30	M16	23	Fig.3	6.2	450	
ZSSZ12C120H60	707356	130	50	60	18	5	39	30	61	23	15	30	M16	23	Fig.3	7.5	600	
ZSSZ12C120H70	707358	130	50	70	18	5	39	30	61	23	15	30	M16					

数控车床刀套 Lathe sleeve

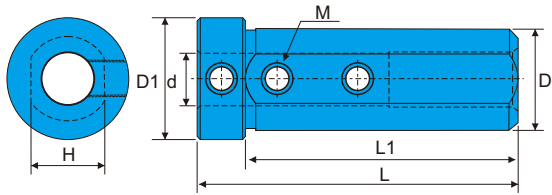


FIG-1

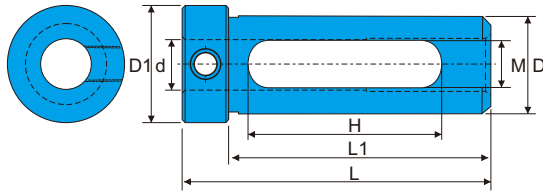


FIG-2

D16-T..车床刀套 Lathe sleeve

订购编码 Order Number	规格型号 Model No.	库存 Stock	尺寸 Dimension (mm)							Fig		
			d	D	L	L1	D1	H	M			
708300	D16-T03	●	3							M4	1	
708302	D16-T04	●	4							M4		
708304	D16-T05	●	5							M5		
708306	D16-T06	●	6							M6		
708308	D16-T07	●	7	16	62	55		19	14.5	M5		
708310	D16-T08	●	8							M6		
708312	D16-T10	●	10					24.5		M4		
708314	D16-T12	●	12					19	50	9		2

D20-T..车床刀套 Lathe sleeve

订购编码 Order Number	规格型号 Model No.	库存 Stock	尺寸 Dimension (mm)							Fig	
			d	D	L	L1	D1	H	M		
708316	D20-T02	●	2								1
708318	D20-T03	●	3								
708320	D20-T04	●	4								
708322	D20-T05	●	5								
708324	D20-T06	●	6								
708326	D20-T07	●	7						17.5	M6	
708328	D20-T08	●	8								
708330	D20-T09	●	9	20	67	60	27				
708332	D20-T10	●	10								
708334	D20-T12	●	12						40	13	
708336	D20-T13	●	13								2
708338	D20-T14	●	14								
708340	D20-T16	●	16								
708342	D20-MTA1	●	MTA1								
708344	D20-MTA2	●	MTA2								

D25-T..车床刀套 Lathe sleeve

订购编码 Order Number	规格型号 Model No.	库存 Stock	尺寸 Dimension (mm)							Fig	
			d	D	L	L1	D1	H	M		
708346	D25-T04	●	4								1
708348	D25-T05	●	5								
708350	D25-T06	●	6								
708352	D25-T07	●	7								
708354	D25-T08	●	8								
708356	D25-T09	●	9						23.5	M6	
708358	D25-T10	●	10								
708360	D25-T12	●	12	25	64	58	35				
708362	D25-T13	●	13								
708364	D25-T14	●	14								
708366	D25-T16	●	16								
708368	D25-T18	●	18						51	12	2
708370	D25-T20	●	20								2
708372	D25-T22	●	22								
708374	D25-MTA1	●	MTA1								
708376	D25-MTA2	●	MTA2								



D32-T..车床刀套 Lathe sleeve

订购编码 Order Number	规格型号 Model No.	库存 Stock	尺寸 Dimension (mm)							Fig	
			d	D	L	L1	D1	H	M		
708400	D32-T04	●	4								1
708402	D32-T05	●	5								
708404	D32-T06	●	6								
708406	D32-T07	●	7								
708408	D32-T08	●	8								
708410	D32-T09	●	9								
708412	D32-T10	●	10								
708414	D32-T12	●	12								
708416	D32-T13	●	13								
708418	D32-T14	●	14								
708420	D32-T16	●	16								
708422	D32-T18	●	18								
708424	D32-T20	●	20								
708426	D32-T22	●	22								
708428	D32-T25	●	25								
708430	D32-MTA1	●	MTA1								
708432	D32-MTA2	●	MTA2								
708434	D32-MTA3	●	MTA3								

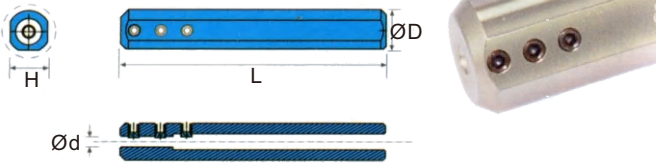
D40-T..车床刀套 Lathe sleeve

订购编码 Order Number	规格型号 Model No.	库存 Stock	尺寸 Dimension (mm)							Fig	
			d	D	L	L1	D1	H	M		
708436	D40-T04	●	4								1
708438	D40-T05	●	5								
708440	D40-T06	●	6								
708442	D40-T07	●	7								
708444	D40-T08	●	8								
708446	D40-T09	●	9								
708448	D40-T10	●	10								
708450	D40-T12	●	12								
708452	D40-T13	●	13								
708454	D40-T14	●	14								
708456	D40-T16	●	16								
708458	D40-T18	●	18								
708460	D40-T20	●	20								
708462	D40-T22	●	22								
708464	D40-T25	●	25								
708466	D40-T30	●	30								
708468	D40-T32	●	32								
708470	D40-MTA1	●	MTA1								
708472	D40-MTA2	●	MTA2								
708474	D40-MTA3	●	MTA3								
708476	D40-MTA4	●	MTA4								

D50-T..车床刀套 Lathe sleeve

订购编码 Order Number	规格型号 Model No.	库存 Stock	尺寸 Dimension (mm)							Fig	
			d	D	L	L1	D1	H	M		
708478	D50-T08	●	8								1
708480	D50-T10	●	10								
708482	D50-T12	●	12								
708484	D50-T16	●	16								
708486	D50-T20	●	20								
708488	D50-T25	●	25								
708490	D50-T32	●	32								
708492	D50-T40	●	40								
708494	D50-MTA3	●	MTA3								
708496	D50-MTA4	●	MTA4								
708498	D50-MTA5	●	MTA5								

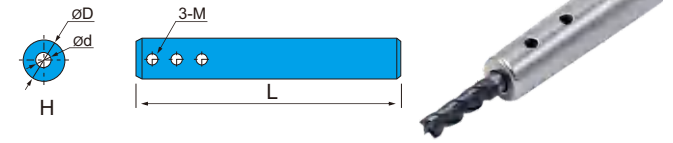
SHB小径套筒 Sleeve



Shank	订购编码 Model No.	库存 Stock	尺寸 Dimension (mm)				适用柄型 Assembly Holder	零件 Parts		订购编码 Order Number
			ØD	Ød	L	H		螺丝Screw	扳手Wrench	
Steel	SHB-1202	●	12	2	100	11	2mm	JM40	L2	708141
	SHB-1203	●	12	3	100	11	3mm			708142
	SHB-1204	●	12	4	100	11	4mm			708143
	SHB-1205	●	12	5	100	11	5mm			708144
	SHB-1206	●	12	6	100	11	6mm			708145
	SHB-1602	●	16	2	100	15	2mm			708100
	SHB-1603	●	16	3	100	15	3mm	708102		
	SHB-1604	●	16	4	100	15	4mm	708104		
	SHB-1605	●	16	5	100	15	5mm	708106		
	SHB-1606	●	16	6	100	15	6mm	708108		
	SHB-1607	●	16	7	100	15	7mm	708110		
	SHB-1608	●	16	8	100	15	8mm	708112		
	SHB-1610	●	16	10	100	15	10mm	708114		
	SHB-2004	●	20	4	100	18	4mm	708116		
	SHB-2005	●	20	5	100	18	5mm	708118		
	SHB-2006	●	20	6	100	18	6mm	708120		
	SHB-2008	●	20	8	100	18	8mm	708122		
	SHB-2010	●	20	10	100	18	10mm	708124		
	SHB-2012	●	20	12	100	18	12mm	708126		
	SHB-2204	●	22	4	100	20	4mm	708128		
	SHB-2205	●	22	5	100	20	5mm	708130		
	SHB-2206	●	22	6	100	20	6mm	708132		
SHB-2208	●	22	8	100	20	8mm	708134			
SHB-2210	●	22	10	100	20	10mm	708136			
SHB-2212	●	22	12	100	20	12mm	708138			
SHB-2216	●	22	16	100	20	16mm	708140			

小径侧固式延长连接杆

Small diameter side fixed extended connecting rod

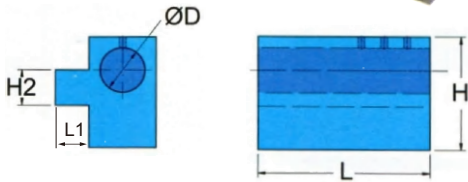


Shank	订购编码 Model No.	库存 Stock	尺寸 Dimension (mm)				适用柄型 Assembly Holder	零件 Parts		订购编码 Order Number
			ØD	Ød	L	M		螺丝Screw	扳手Wrench	
Steel	C08-SLN03-110L	●	8	3	110	M3	3mm	L1.5		708150
	C08-SLN04-110L	●	8	4	110	M3	4mm			708151
	C10-SLN03-150L	●	10	3	150	M3	3mm			708152
	C10-SLN04-150L	●	10	4	150	M4	4mm			708153
	C10-SLN06-150L	●	10	6	150	M4	6mm			708154
	C12-SLN03-150L	●	12	3	150	M4	3mm			708155
	C12-SLN04-150L	●	12	4	150	M4	4mm	708156		
	C12-SLN06-150L	●	12	6	150	M4	6mm	708157		
	C16-SLN04-150L	●	16	4	150	M4	4mm	708158		
	C16-SLN04-200L	●	16	4	200	M4	4mm	708159		
	C16-SLN06-150L	●	16	6	150	M4	6mm	708160		
	C16-SLN06-200L	●	16	6	200	M4	6mm	708161		
	C16-SLN08-150L	●	16	8	150	M6	8mm	708162		
	C16-SLN08-200L	●	16	8	200	M6	8mm	708163		
	C20-SLN06-150L	●	20	6	150	M4	6mm	708164		
	C20-SLN06-200L	●	20	6	200	M4	6mm	708165		
	C20-SLN08-150L	●	20	8	150	M6	8mm	708166		
	C20-SLN08-200L	●	20	8	200	M6	8mm	708167		
	C20-SLN10-150L	●	20	10	150	M6	10mm	708168		
	C20-SLN10-200L	●	20	10	200	M6	10mm	708169		
	C20-SLN12-150L	●	20	12	150	M6	12mm	708170		
	C20-SLN12-200L	●	20	12	200	M6	12mm	708171		
C32-SLN06-150L	●	32	6	150	M6	6mm	708172			
C32-SLN08-150L	●	32	8	150	M6	8mm	708173			
C32-SLN10-150L	●	32	10	150	M6	10mm	708174			
C32-SLN12-150L	●	32	12	150	M6	12mm	708175			

SBHA内孔刀具定位座

SBHA Lathe Quick Center Block

快速
方柄 → 圆柄
转换



订购编码 Order Number	规格型号 Model No.	库存 Stock	尺寸 Dimension (mm)				
			D	L	L1	H	H2
708200	SBHA 1616	●	16	65	20	37	16
708201	SBHA 2016	●	16	65	20	37	20
708202	SBHA 2020	●	20	65	20	47	20
708203	SBHA 2025	●	25	65	25	47	20
708204	SBHA 2032	●	32	80	32	55	20
708205	SBHA 2040	●	40	90	40	65	20
708206	SBHA 2516	●	16	70	16	42	25
708207	SBHA 2520	●	20	70	16	42	25
708208	SBHA 2525	●	25	70	25	53	25
708209	SBHA 2532	●	32	80	32	60	25
708210	SBHA 2540	●	40	90	40	65	25
708211	SBHA 3225	●	25	80	32	66	32
708212	SBHA 3232	●	32	90	32	66	32
708213	SBHA 3240	●	40	100	40	83	32
708214	SBHA 3250	●	50	120	50	83	32

车床转换刀座/变径套筒

Lathe Conversion Tool Holder / Reducing Sleeve



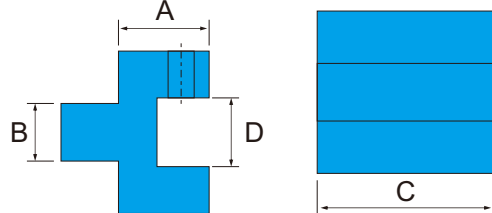
SHB..ER..	规格尺寸 Dimensions	单价 RMB
SHB16-ER16-80	四面有平面	80
SHB20-ER20-80	四面有平面	80
SHB20-ER25-80	四面有平面	90
SHB..MTA..	规格尺寸 Dimensions	单价 RMB
SHB20-25-MTA2	四面有平面	80
SHB20-30-MTA3	四面有平面	80

车床延伸刀座

Lathe extension tool holder

快速
方柄 → 方柄
转换

主要用于车床排刀座和
内径刀杆的长度补偿使用。
It is mainly used for lathe cutter
bed and The length compensation
of inner diameter cutter bar is used.



订购编码 Order Number	规格型号 Model No.	库存 Stock	尺寸 Dimension (mm)			
			A	B	C	D
708228	CCYS 2020	●	35	20	90	25
708229	CCYS 2525	●	40	25	90	30

中空
卡盘

中实
卡盘

立式
卡盘

气动
卡盘

生爪
硬爪

车床
刀套

刀座

精密
夹头

手动
卡盘

顶针

铣床
虎钳
配件

磨床
磁盘

工具
万力

线割
配件

机床
工具

车床
卡盘

铣床
虎钳

磨床
磁盘

线割
配件

机械
工具

中空卡盘

中实卡盘

立式卡盘

气动卡盘

生爪硬爪

车床刀套

刀座

精密夹头

手动卡盘

顶针

铣床虎钳配件

磨床磁盘

工具万力

线割配件

机床工具

车床卡盘

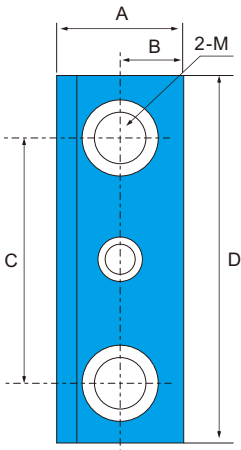
铣床虎钳

磨床磁盘

线割配件

机械工具

数控车床车刀压紧块 NC lathe tool pressing block YJK..

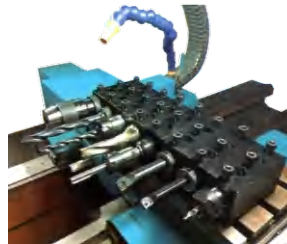
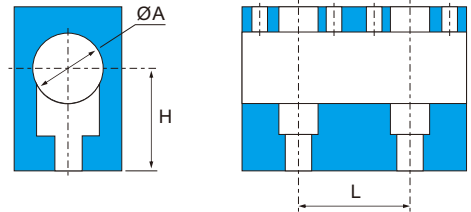


两个压紧块利用楔块压紧原理，可以牢固的压紧车刀。

The two pressing blocks can firmly press the turning tool by using the wedge block pressing principle.

编码 Order	规格型号 Model No.	尺寸 Dimension (mm)			
		C	A	B	M
708260	3020-10-M8	30	20x20	10	M8
708261	3025-10-M8	30	25x25	10	M8
708262	3520-09-M8	35	20x20	9	M8
708263	3520-10-M8	35	20x20	10	M8
708264	3525-10-M8	35	25x25	10	M8
708265	3525-12-M8	35	25x25	12	M8
708266	3525-08-M8	35	25x25	8	M8
708267	3625-10-M8	36	25x25	10	M8
708268	3820-09-M6	38	20x20	9	M6
708269	3820-10-M8	38	20x20	10	M8
708270	4020-08-M6	40	20x20	8	M6
708271	4020-09-M6	40	20x20	9	M6
708272	4020-10-M8	40	20x20	10	M8
708273	4520-10-M8	45	20x20	10	M8
708274	4525-10-M8	45	25x25	10	M8
708275	4825-10-M8	48	25x25	10	M8
708276	4825-13-M8	48	25x25	13	M8
708277	5025-09-M8	50	25x25	9	M8
708278	5025-09-M10	50	25x25	9	M10
708279	5025-10-M8	50	25x25	10	M8
708280	5525-10-M8	55	25x25	10	M8
708281	5525-10-M10	55	25x25	10	M10
708282	6025-10-M8	60	25x25	10	M8
708283	6025-10-M10	60	25x25	10	M10
708284	6032-13-M10	60	32x32	13	M10
708285	6032-14-M12	60	32x32	14	M12
708286	6032-15-M8	60	32x32	15	M8
708287	6532-10-M10	65	32x32	10	M10
708288	7032-10-M8	70	32x32	10	M8
708289	8032-10-M8	80	32x32	10	M8

数控车床排刀刀座 Tool holder of CNC lathe



节省换刀时间，适合钻孔、攻丝等内孔工序加工。

It can save tool changing time and is suitable for drilling and tapping.

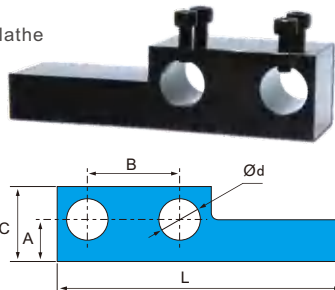
编码 Order	规格型号 Model No.	尺寸 Dimension (mm)		
		H	L	A
708230	PDDZ3540-25	35	40	25
708231	PDDZ3250-20	32	50	20
708232	PDDZ3250-25	32	50	25
708233	PDDZ3550-20	35	50	20
708234	PDDZ3550-25	35	50	25
708235	PDDZ4050-20	40	50	20
708236	PDDZ4050-25	40	50	25
708237	PDDZ4050-32	40	50	32
708238	PDDZ4550-20	45	50	20
708239	PDDZ4550-25	45	50	25
708240	PDDZ4550-32	45	50	32
708241	PDDZ5050-20	50	50	20
708242	PDDZ5050-25	50	50	25
708243	PDDZ5050-32	50	50	32
708244	PDDZ5550-20	55	50	20
708245	PDDZ5550-25	55	50	25
708246	PDDZ5550-32	55	50	32
708247	PDDZ6050-20	60	50	20
708248	PDDZ6050-25	60	50	25
708249	PDDZ6050-32	60	50	32
708250	PDDZ7050-20	70	50	20
708251	PDDZ7050-25	70	50	25
708252	PDDZ7050-32	70	50	32

双刀位车床刀座

Tool holder of double tool position lathe

用于车床刀架刀位安装两把刀具使用，解决了车床缺少刀位的情况，减少了换刀时间，提高了工作效率。

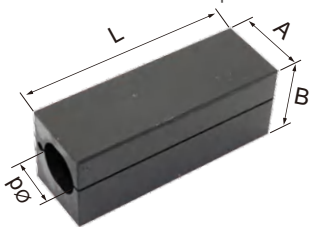
It is used to install two cutting tools in the tool position of lathe tool holder, which solves the problem of lathe. The lack of tool position reduces the tool change time and improves the work efficiency.



编码 Order	规格型号 Model No.	尺寸 Dimension (mm)				
		A	d	B	C	L
708290	CCSGW20-20	20	20	50	40	150
708291	CCSGW20-25	20	25	55	45	170
708292	CCSGW25-20	25	20	55	45	170
708293	CCSGW25-25	25	25	55	45	170

车床方变圆防振刀套

Tool holder of double tool position lathe



用于车床方型刀架转换为内孔刀架。

It is used for the conversion of lathe square turret to inner hole turret.

编码 Order	规格 Model	Ød	A	B	L
708620	WTD1616-4	4	16	16	
708621	WTD1616-5	5	16	16	
708622	WTD1616-6	6	16	16	
708623	WTD1616-7	7	16	16	
708624	WTD1616-8	8	16	16	
708625	WTD1616-10	10	16	16	
708626	WTD1616-12	12	16	16	
708627	WTD2016-4	4	20	16	
708628	WTD2016-5	5	20	16	
708629	WTD2016-6	6	20	16	
708630	WTD2016-7	7	20	16	
708631	WTD2016-8	8	20	16	
708632	WTD2016-10	10	20	16	
708633	WTD2020-4	4	20	20	

编码 Order	规格 Model	Ød	尺寸 Dimension (mm)		
			A	B	L
708634	WTD2020-5	5	20	20	40
708635	WTD2020-6	6	20	20	45
708636	WTD2020-7	7	20	20	45
708637	WTD2020-8	8	20	20	45
708638	WTD2020-10	10	20	20	
708639	WTD2020-12	12	20	20	
708640	WTD2020-14	14	20	20	
708641	WTD2525-6	6	25	25	
708642	WTD2525-8	8	25	25	
708643	WTD2525-10	10	25	25	
708644	WTD2525-12	12	25	25	
708645	WTD2525-14	14	25	25	
708646	WTD2525-16	16	25	25	
708647	WTD2525-20	20	25	25	

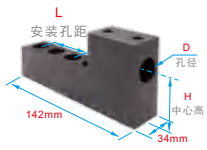
MCH中心钻刀杆

Centre-drill Holder

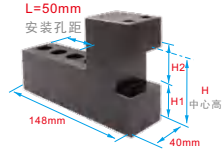


订购编码 Order Number	规格型号 Model No.	库存 Stock	尺寸 Dimension (mm)					零件 Parts	
			ØD	A	B	L	H1	螺丝 Screw	扳手 Wrench
708220	MCH2020K-05	●	5	20	20	125	20	FS40	L2
708221	MCH2020K-06	●	6	20	20	125	20	FS50	L2.5
708222	MCH2020K-08	●	8	20	20	125	20	FS60	L3
708223	MCH2020K-10	●	10	20	20	125	20	FS80	L4
708224	MCH2525M-05	●	5	25	25	150	25	FS40	L2
708225	MCH2525M-06	●	6	25	25	150	25	FS50	L2.5
708226	MCH2525M-08	●	8	25	25	150	25	FS60	L3
708227	MCH2525M-10	●	10	25	25	150	25	FS80	L4

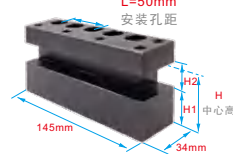
钻孔刀架
Lathe Drilling Tool Post



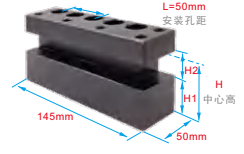
正反刀架
Lathe Drilling Tool Post



单刀架
Lathe Drilling Tool Post



双刀架
Lathe Drilling Tool Post



规格	Dimensions			单价 RMB	规格	Dimensions			单价 RMB	规格	Dimensions			单价 RMB					
	D	H	L			H1	H2	H			H1	H2	H		H1	H2	H		
ZKDJ20-4050	20	40	50	108	ZFDJ1616-4050	24	35	40	125	DDJ1616-4050	24	22	40	125	SDJ1616-4050	24	22	40	135
ZKDJ20-4550	20	45	50	108	ZFDJ1616-4550	29	35	45	125	DDJ1616-4550	29	22	45	125	SDJ1616-4550	29	22	45	135
ZKDJ20-5040	20	50	40	108	ZFDJ1616-5050	34	35	50	125	DDJ1616-5050	34	22	50	125	SDJ1616-5050	34	22	50	135
ZKDJ20-5050	20	50	50	108	ZFDJ1616-5550	39	35	55	141	DDJ1616-5550	39	22	55	141	SDJ1616-5550	39	22	55	160
ZKDJ20-5550	20	55	50	117	ZFDJ1616-6050	44	35	60	141	DDJ1616-6050	44	22	60	141	SDJ1616-6050	44	22	60	160
ZKDJ20-5565	20	55	65	117	ZFDJ1616-6550	49	35	65	158	DDJ1616-6550	49	22	65	158	SDJ1616-6550	49	22	65	185
ZKDJ20-5650	20	56	50	117	ZFDJ1616-7050	54	35	70	158	DDJ1616-7050	54	22	70	158	SDJ1616-7050	54	22	70	185
ZKDJ20-6050	20	60	50	117	ZFDJ2020-4050	20	42	40	125	DDJ2020-4050	20	24	40	125	SDJ2020-4050	20	24	40	135
ZKDJ20-6350	20	63	50	125	ZFDJ2020-4550	25	42	45	125	DDJ2020-4550	25	24	45	125	SDJ2020-4550	25	24	45	135
ZKDJ20-7050	20	70	50	125	ZFDJ2020-5050	30	42	50	125	DDJ2020-5050	30	24	50	125	SDJ2020-5050	30	24	50	135
ZKDJ25-4050	25	45	50	117	ZFDJ2020-5550	35	42	55	141	DDJ2020-5550	35	24	55	141	SDJ2020-5550	35	24	55	160
ZKDJ25-5050	25	50	50	117	ZFDJ2020-6050	40	42	60	141	DDJ2020-6050	40	24	60	141	SDJ2020-6050	40	24	60	160
ZKDJ25-5565	25	55	65	117	ZFDJ2020-6550	45	42	65	158	DDJ2020-6550	45	24	65	158	SDJ2020-6550	45	24	65	185
ZKDJ25-6050	25	60	50	125	ZFDJ2020-7050	50	42	70	158	DDJ2020-7050	50	24	70	158	SDJ2020-7050	50	24	70	185
ZKDJ25-7050	25	70	50	125															

数控车床刀塔刀座

Tool holder of CNC lathe turret

F58-G20-D10-A25	F72-G45-D16-A32	F68-G42-D30-A32				
F88-G56-D40-A40	F71-G43-D25-A40	F70-G50-凹20-A40				
F71-G43-D25-开口	F62-G31-D20-A32	F72-G46-D20-A40	F75-G48-D20-A32	F75-G56-D20-A40	F76-G43-D20-A40	F76-G35-25凹槽+开口
F76-G35-D25凹台-A40	F76-G35-凹25-A40	F79-G37-D20-A25	F80-G55-D20-A50	F80-G60-D20-A32	F80-G40-D20-A32	F80-G40-D20-A40
F80-G40-D20+开口	F80-G45挂台-A32	F80-G60-凹20-A40	F88-G52-D20-A40	F56-G39-D18-A25	F66-G36-D25-A32	F72-G56-D20-A40
F58-G20-D10+开口	F72-G45-D16-A40	F68-G42-D30开口40/50	F70-G45-D20开口50	F58-G32-D16-A25	F70-G45-D20-A50	F70-G35-凹20-A32
F79-G56-D40-A40	F70-G45-D20-A32	哈斯T10F70-G45-A32	F85-G66-D20-A50	津上F72-G67-D20-A32	F70-G52-D16-A40	

中空卡盘

中实卡盘

立式卡盘

气动卡盘

生爪硬爪

车床刀套

刀座

精密夹头

手动卡盘

顶针

铣床虎钳配件

磨床磁盘

工具万力

线割配件

机床工具

车床卡盘

铣床虎钳

磨床磁盘

线割配件

机械工具

中空卡盘

中实卡盘

立式卡盘

气动卡盘

生爪硬爪

车床刀套

刀座

精密夹头

手动卡盘

顶针

铣床虎钳配件

磨床磁盘

工具万力

线割配件

机床工具

车床卡盘

铣床虎钳

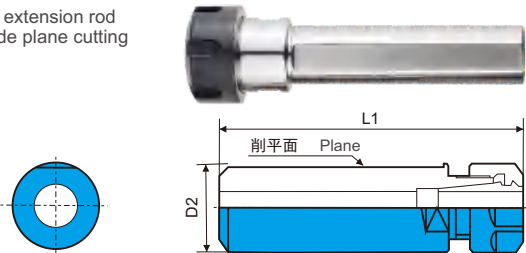
磨床磁盘

线割配件

机械工具

数控车床延长杆-单面削平面

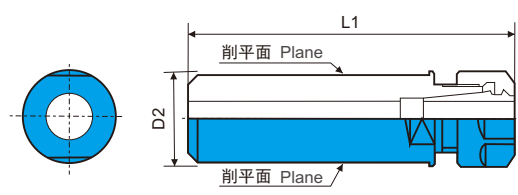
CNC lathe extension rod - single side plane cutting



订购 Order Number	规格型号 Model No.	库存 Stock	尺寸 Dimension (mm)				筒夹 Collet	扳手 Wrench	单价 Price
			L1	D					
708540	SL12-ER11A-100-DM	●	100	12			LMER11A	BSER11A	300
708541	SL16-ER16A-100-DM	●	100	16			LMER16A	BSER16A	300
708542	SL16-ER20A-100-DM	●	100	16			LMER20A	BSER20A	300
708543	SL20-ER16A-100-DM	●	100	20			LMER16A	BSER16A	300
708544	SL20-ER20A-100-DM	●	100	20			LMER20A	BSER20A	300
708545	SL20-ER25-100-DM	●	100	20			LMER25	BSER25	300
708546	SL25-ER16A-100-DM	●	100	25			LMER16A	BSER16A	300
708547	SL25-ER20A-100-DM	●	100	25			LMER20A	BSER20A	300
708548	SL25-ER25-100-DM	●	100	25			LMER25	BSER25	300
708549	SL32-ER20A-100-DM	●	100	32			LMER20A	BSER20A	400
708550	SL32-ER25-100-DM	●	100	32			LMER25	BSER25	400
708551	SL32-ER32-100-DM	●	100	32			LMER32	BSER32	400
708552	SL32-ER40-100-DM	●	100	32			LMER40	BSER40	500

数控车床延长杆-双面削平面

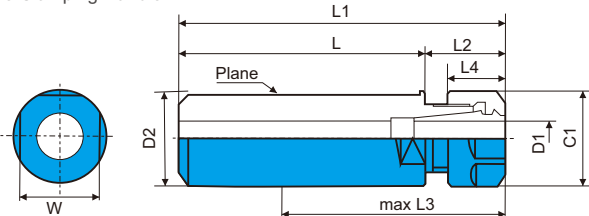
CNC lathe extension rod - double side plane cutting



订购 Order Number	规格型号 Model No.	库存 Stock	尺寸 Dimension (mm)				筒夹 Collet	扳手 Wrench	单价 Price
			L1	D					
708560	SL12-ER11A-100-SM	●	100	12			LMER11A	BSER11A	300
708561	SL16-ER16A-100-SM	●	100	16			LMER16A	BSER16A	300
708562	SL16-ER20A-100-SM	●	100	16			LMER20A	BSER20A	300
708563	SL20-ER16A-100-SM	●	100	20			LMER16A	BSER16A	300
708564	SL20-ER20A-100-SM	●	100	20			LMER20A	BSER20A	300
708565	SL20-ER25-100-SM	●	100	20			LMER25	BSER25	300
708566	SL25-ER16A-100-SM	●	100	25			LMER16A	BSER16A	300
708567	SL25-ER20A-100-SM	●	100	25			LMER20A	BSER20A	300
708568	SL25-ER25-100-SM	●	100	25			LMER25	BSER25	300
708569	SL32-ER20A-100-SM	●	100	32			LMER20A	BSER20A	400
708570	SL32-ER25-100-SM	●	100	32			LMER25	BSER25	400
708571	SL32-ER32-100-SM	●	100	32			LMER32	BSER32	400
708572	SL32-ER40-100-SM	●	100	32			LMER40	BSER40	500

高精度数控车床延长杆

Lathe Clamping Handle

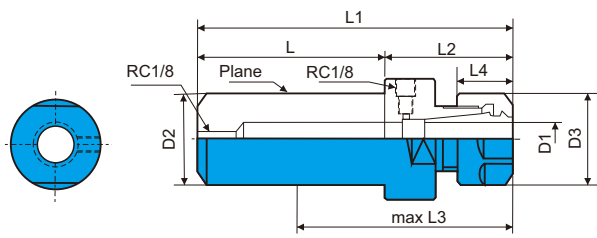


订购 Order Number	规格型号 Model No.	库存 Stock	尺寸 Dimension (mm)								筒夹 Collet	扳手 Wrench		
			L	L1	L2	max L3	L4	C1	D1	D2				
708500	SSH16-ECH7-32	●	32	48	16	35								
708502	SSH16-ECH7-70	●	70	94	24	55								
708504	SSH20-ECH7-45	●	45	61	16	45	11.5	23	0.5-7		16		ER11	BSER11A
708506	SSH20-ECH7-70	●	70	94	24	55								
708508	SSH20-ECH7-105	●	105	129	24	70								
708510	SSH20-ECH10-40	●	40	63	23	45								
708512	SSH20-ECH10-70	●	70	105	35	70	17	32	0.5-10		20		ER16	BSER16A
708514	SSH20-ECH10-105	●	105	140	35	80								
708516	SSH20-ECH13-70	●	70	106	36	75	19	36	1-13				ER20	BSER20A
708518	SSH20-ECH7-62	●	62	86	24	55	11.5	23	0.5-7				ER11	BSER11A
708520	SSH25-ECH10-70	●	70	105	35	70	17	32	0.5-10		25		ER16	BSER16A
708522	SSH25-ECH10-105	●	105	140	35	80								
708524	SSH25-ECH13-70	●	70	106	36	75	19	36	1-13				ER20	BSER20A
708526	SSH25-ECH16-70	●	70	110	40	80	20	43	1-16				ER25	BSER25
708528	SSH32-ECH13-80	●	80	116	36	75	19	36	1-13				ER20	BSER20A
708530	SSH32-ECH16-80	●	80	120	40	80	20	43	1-16				ER25	BSER25
708532	SSH32-ECH20-80	●	80	128	48	100	23	51	1-20				ER32	BSER32
708534	SSH40-ECH20-80	●	80	128	48	100	23	51	1-20				ER32	BSER32
708536	SSH40-ECH20-110	●	110	158	48	100								

高精度数控车床延长杆 (侧面+端面冷却)

Collet Holder For Coolant(Side Supply)

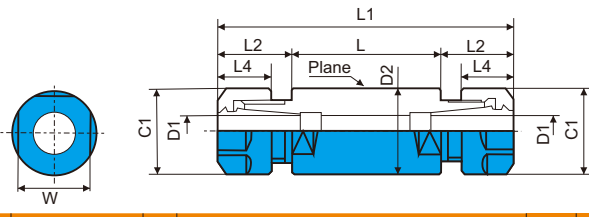
It is used together with a coolant collet. A piping screw is in the back or the side of a holder.



订购 Order Number	规格型号 Model No.	库存 Stock	尺寸 Dimension (mm)										筒夹 Collet	扳手 Wrench		
			L	L1	L2	max L3	L4	D3	D1	D2	D2	D2				
708700	SSH20-ECH20H-40	●	70	106	36	83	11.5	23	0.5-7							
708702	SSH20-ECH10OH-40	●	40	85	45	55	17	32	0.5-10		20		ER11	BSER11A		
708704	SSH20-ECH10OH-70	●	70	115	45	85	17	32	0.5-10				ER16	BSER16A		
708706	SSH20-ECH13OH-70	●	70	117.5	47.5	85	19	36	1-13				ER20	BSER20A		
708708	SSH25-ECH10OH-70	●	70	115	45	85	17	32	0.5-10				ER16	BSER16A		
708710	SSH25-ECH10OH-105	●	105	150	45	95	17	32	0.5-10		25		ER20	BSER20A		
708712	SSH25-ECH13OH-70	●	70	117.5	47.5	85	19	36	1-13				ER20	BSER20A		
708714	SSH25-ECH16OH-70	●	70	121	51	85	20	43	1-16				ER25	BSER25		
708716	SSH32-ECH13OH-75	●	75	122.5	47.5	85	19	36	1-13				ER20	BSER20A		
708718	SSH32-ECH16OH-75	●	75	126	51	85	20	43	1-16				ER25	BSER25		
708720	SSH32-ECH20OH-75	●	75	134	59	90	23	51	1-20				ER32	BSER32		
708722	SSH32-ECH10OH-105	●	105	150	45	94	17	32	0.5-10		19.05		ER25	BSER25		
708724	SSH1-ECH10OH-105	●	105	150	45	94	17	32	0.5-10		25.4		ER16	BSER16A		

双头高精度数控车床延长杆

Double Head Clamping Handle Of Lathe

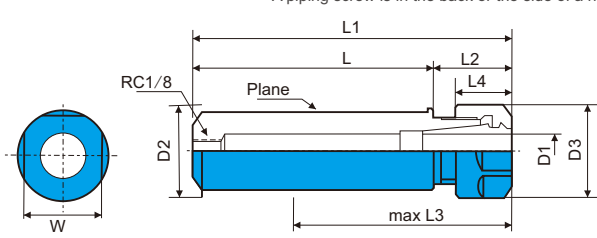


订购 Order Number	规格型号 Model No.	库存 Stock	尺寸 Dimension (mm)								筒夹 Collet	扳手 Wrench		
			L	L1	L2	C1	L4	D1	D2	D2				
708600	SSH20-ECH7WS-33	●	33	65							20			
708602	SSH20-ECH7WS-53	●	53	85										
708604	SSH34-ECH7WS-33	●	33	65	16	19	11.5	0.5-7			19.05		ER11	BSER11A
708606	SSH34-ECH7WS-53	●	53	85										
708608	SSH22-ECH10WM-70	●	70	122	26	22	18	0.5-10			22		ER16	BSER16M
708610	SSH22-ECH10WM-85	●	85	137										
708612	SSH22-ECH7WMS-100	●	100	142.5	16.5	19	11.5	0.5-7					ER11	BSER11A
708614	SSH22-ECH10WMS-100	●	100	142.5	26	22	18	0.5-10					ER16	BSER16M
708616	SSH32-ECH13WM-55	●	55	109	27	28	19				32		ER20	BSER20M
708618	SSH32-ECH13WM-85	●	85	138	27	28	19	1-13					ER20	BSER20M

高精度数控车床延长杆 (端面冷却)

Collet Holder For Coolant

It is used together with a coolant collet. A piping screw is in the back or the side of a holder.



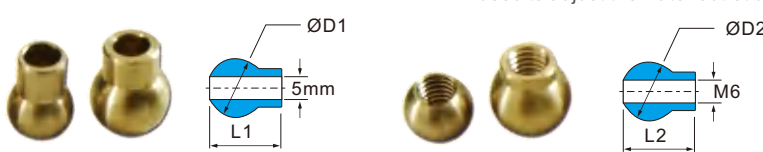
订购 Order Number	规格型号 Model No.	库存 Stock	尺寸 Dimension (mm)										筒夹 Collet	扳手 Wrench	
			L	L1	L2	max L3	L4	D3	D1	D2	D2	D2			
708800	SSH20-ECH7SOH-40	●	40	56	16	33	11.5	19	0.5-7						
708802	SSH20-ECH10SOH-40	●	40	62	22	38					20	17	ER11	BSER11A	
708804	SSH20-ECH10SOH-70	●	70	90	22	66									
708806	SSH25-ECH10SOH-40	●	40	63	23	37				17	28	0.5-10	ER16	BSER16A	
708808	SSH25-ECH10SOH-50	●	50	73	23	47						25	22	ER20	BSER20A
708810	SSH25-ECH13SOH-50	●	50	73.5	23.5	46	19	34	1-13				ER20	BSER20A	
708812	SSH32-ECH20SOH-80	●	80	115	35	75	23	50	2-20		32	36	ER32	BSER32	

刀塔出水铜帽

Water outlet copper cap of lathe turret

安装在车床刀座上, 调节出水方向使用。

It is installed on the lathe tool holder and used to adjust the water outlet direction.



编码 Order	规格型号 Model No.	尺寸 Dimension (mm)			
		D1	L1	D2	L2
708580	CC-CSLM-1	12	15	-	-
708581	CC-CSLM-2	10	14	-	-
708582	CC-CSLM-3	-	-	12	12
708583	CC-CSLM-4	-	-	10	9

方柄车床拉料器

Bar Puller For CNC Lathe(Square Handle)

特点: 拉料器适合安装在数控转台上车床或其他自动专用机床替代自动送条机。为了重复拉长是非常精确的，使用拉杆是一种非常方便有效的自动替代方案机器。

Feature: Bar Puller is great for installing on the turret of CNC Lathes or other Automatic special purpose machines to substitute for automatic bar feeder. For the repetitive pulling length is very accurate; the use of Bar Puller is a very convenient and effective alternative for automatic machines.

应用:

- 1、拉杆开合直径应小于工件直径3~5 mm。
- 2、夹持工件长度从爪面算起必须大于16mm。
- 3、夹持范围: 12~48 mm。

Application:

1. The opening of bar puller shall be 3~5 mm less than the diameter of work piece.
2. The gripping length has to be more than 16mm from chuck surface.
3. Gripping range:12~48mm.



提示: 选购产品时请注意, 选择钳口是否需要合金。

Note:

When You Choose, Please Choose Insert Alloy Or No Alloy Jaw.

>> Dimensions (mm)

型号Type	Dimensions 尺寸 Order Number	A	B	有无镶合金 Alloy or No alloy Jaw.	夹持范围 Gripping Range	Weight (kg)	Price (RMB)
LLQ1616	707650	16	16	镶合金 Alloy Jaw	12mm-48mm	0.3	400
LLQ1616N	707652	16	16	无合金 No Alloy Jaw	12mm-48mm	0.3	350
LLQ2020	707654	20	20	镶合金 Alloy Jaw	12mm-48mm	0.4	400
LLQ2020N	707656	20	20	无合金 No Alloy Jaw	12mm-48mm	0.4	350
LLQ2525	707658	25	25	镶合金 Alloy Jaw	12mm-48mm	0.6	400
LLQ2525N	707660	25	25	无合金 No Alloy Jaw	12mm-48mm	0.6	350
LLQ3232	707662	32	32	镶合金 Alloy Jaw	12mm-48mm	0.9	700
LLQ3232N	707664	32	32	无合金 No Alloy Jaw	12mm-48mm	0.9	650

圆柄车床拉料器

Bar Puller For CNC Lathe(Round Handle)

特点: 拉料器适合安装在数控转台上车床或其他自动专用机床替代自动送条机。为了重复拉长是非常精确的，使用拉杆是一种非常方便有效的自动替代方案机器。

Feature: Bar Puller is great for installing on the turret of CNC Lathes or other Automatic special purpose machines to substitute for automatic bar feeder. For the repetitive pulling length is very accurate; the use of Bar Puller is a very convenient and effective alternative for automatic machines.

应用:

- 1、拉杆开合直径应小于工件直径3~5 mm。
- 2、夹持工件长度从爪面算起必须大于16mm。
- 3、夹持范围: 12~48 mm。

Application:

1. The opening of bar puller shall be 3~5 mm less than the diameter of work piece.
2. The gripping length has to be more than 16mm from chuck surface.
3. Gripping range:12~48mm.



提示: 选购产品时请注意, 选择钳口是否需要合金。

Note:

When you choose, please choose insert alloy or no alloy.

>> Dimensions (mm)

型号Type	Dimensions 尺寸 Order Number	A	有无镶合金 Alloy or No alloy Jaw.	夹持范围 Gripping Range	Weight (kg)	Price (RMB)
LLQ16	707670	Ø 16	镶合金 Alloy Jaw	12mm-48mm	0.3	400
LLQ16N	707672	Ø 16	无合金 No Alloy Jaw	12mm-48mm	0.3	350
LLQ20	707674	Ø 20	镶合金 Alloy Jaw	12mm-48mm	0.4	400
LLQ20N	707676	Ø 20	无合金 No Alloy Jaw	12mm-48mm	0.4	350
LLQ25	707678	Ø 25	镶合金 Alloy Jaw	12mm-48mm	0.6	400
LLQ25N	707680	Ø 25	无合金 No Alloy Jaw	12mm-48mm	0.6	350
LLQ32	707682	Ø 32	镶合金 Alloy Jaw	12mm-48mm	0.9	700
LLQ32N	707684	Ø 32	无合金 No Alloy Jaw	12mm-48mm	0.9	650

中空卡盘

中实卡盘

立式卡盘

气动卡盘

生爪硬爪

车床刀套

刀座

精密夹头

手动卡盘

顶针

铣床虎钳配件

磨床磁盘

工具万力

线割配件

机床工具

车床卡盘

铣床虎钳

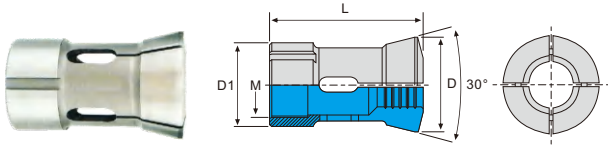
磨床磁盘

线割配件

机械工具

标准拉式夹头

Standard pull chuck

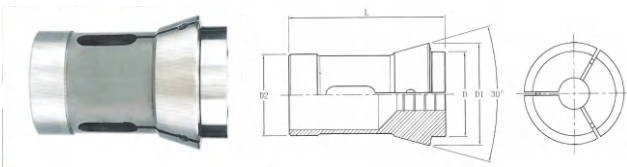


- 拉式夹头主要针对国内外各种数控加工中心、数控车床上使用的圆、四方、六方等专用夹头。
- 拉式夹头型号规格完整有28型、35/35型、45/46型、52型等型号夹头可以选用搭配适用于各类数控车床、磨床和各式专用机械，拉式夹头系列产品尺寸依照标准规格设计，搭配拉式轴头能与机床原有的液压卡盘替换安装，无需尺寸修改。
- Pull type chucks are mainly designed for circular, square, hexagonal and other specialized chucks used in various CNC machining centers and CNC lathes both domestically and internationally.
- The models and specifications of pull type chucks are complete, including 28 types, 35/35 types, 45/46 types, and 52 types. The chucks can be selected and matched, suitable for various CNC lathes, grinders, and various specialized machinery. The size of the pull type chuck series products is designed according to standard specifications, and can be replaced and installed with the original hydraulic chuck of the machine tool with the pull type spindle, without the need for size modification.

型号 Model	D	L	D1	M	Max Dia		
					○	◇	□
CCJT28	Ø49	103	Ø40	M34x2.0	Ø28	H24	S18
CCJT36	Ø60	100	Ø49	M44x2.0	Ø36	H30	S30
CCJT36-B	Ø65	103	Ø56	M44x2.0	Ø36	H30	S30
CCJT42	Ø65	103	Ø56	M50x2.0	Ø42	H31	S30
CCJT46-S	Ø74	103	Ø63	M55x2.0	Ø46	H40	S32
CCJT46	Ø75	103	Ø65	M55x2.0	Ø46	H40	S32
CCJT52	Ø80	103	Ø70	M60x2.0	Ø52	H45	S37
CCJT56	Ø87	103	Ø75	M65x2.0	Ø56	H48	S39
CCJT65	Ø100	120	Ø85	M75x2.0	Ø68	H58	S48
CCJT630	Ø55	80	Ø43	M37x1.5	Ø30	H25	S21
CCJT640	Ø70	98	Ø56	M48x1.5	Ø44	H38	S31

标准前推式夹头

Standard pull chuck



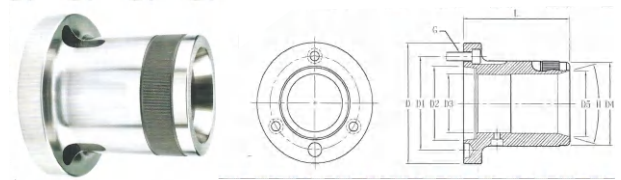
- 前推式夹头采用前推式操作，夹持工件时无轴向移动
- 前推式夹头型号规格完整有163型、173型、185型、193型等型号夹头可以选用搭配适用于各类数控车床、磨床和各式专用机械，前推式夹头系列产品尺寸依照标准规格设计，搭配前推式夹头套能与机床原有的液压卡盘替换安装，无需尺寸修改。
- The push-on chuck uses a push-up operation that does not move axially when clamping the workpiece
- The model of the front push type chuck is complete with 163 type, 173 type, 185 type, 193 type and other types of chucks. Applicable to all kinds of CNC lathes, grinding machines and all kinds of special machinery, the size of the front push type chuck series according to the standard. The specification design, combined with the front push clamp, can be replaced with the original hydraulic chuck on the machine without dimension modification.

编号 Order	型号 Model	D	D1	L	D2	Max Dia			RMB
						○	◇	□	
708635	CCJT-163E	Ø39	Ø49	80	Ø35	Ø30	H27	S22	
708636	CCJT-173E	Ø50	Ø60	94	Ø48	Ø42	H36	S28	
708637	CCJT-185E	Ø73	Ø84	110	Ø66	Ø60	H50	S40	
708638	CCJT-193E	Ø92	Ø107	130	Ø90	Ø80	H66	S50	

以上产品均为标准夹头，如有非标可按尺寸订做

标准拉式轴头

Standard pull shaft head



- 拉式轴头其精密度在0.005mm
- 数控拉式轴头型号规格完整有A2-3型、A2-4型、A2-6型等型号可以选用搭配适用于各类数控车床、磨床和各式专用机械，拉式轴头系列产品尺寸能与机床上原有的液压卡盘替换安装，无需尺寸修改
- Pull shaft head with precision of 0.005mm
- Models of CNC pull type chucks are available in A2-3 type, A2-4 type, A2-6 type, etc. Applicable to all kinds of CNC lathes, grinding machines and all kinds of special machinery, pull shaft head series products size and machine The original hydraulic chuck on the bed is replaced and installed without dimensional modification.

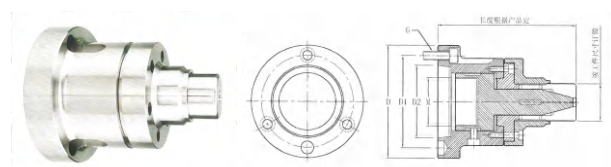
编号 Order	型号 Model	D	D1	D2	D3	L	D4	H	D5	G	RMB
708625	CCJT-CK28(A2-3)	Ø94	Ø70.6	Ø53.975	Ø38	Ø38	102	24	Ø44.5	3-M10X25	
708626	CCJT-CK36(A2-4)	Ø110	Ø82.6	Ø63.51	Ø56	Ø56	115	30	Ø63.5	3-M10X25	
708627	CCJT-CK46(A2-5)	Ø135	Ø82.56	Ø82.56	Ø65	Ø65	124	30	Ø73.5	3-M10X25	
708628	CCJT-CK52(A2-6)	Ø158	Ø133.4	Ø106.38	Ø70	Ø70	128	30	Ø78.5	6-M12X28	

编号 Order	型号 Model	D	D1	D2	D3	L	D4	H	D5	G	RMB
708630	CCJT-YS28(A2-3)	Ø110	Ø82.6	Ø63.51	Ø49	115	Ø75	30	Ø58.5	3-M10X25	
708631	CCJT-CK36(A2-4)	Ø128	Ø104.8	Ø82.56	Ø56	115	Ø82	30	Ø63.5	3-M10X25	
708632	CCJT-YS46(A2-5)	Ø128	Ø104.8	Ø82.56	Ø49	115	Ø76	30	Ø58.5	3-M10X25	
708633	CCJT-CK52(A2-6)	Ø158	Ø133.4	Ø106.38	Ø65	126	Ø95	30	Ø73.5	6-M12X28	

如有非标可按尺寸订做

前推式内撑夹具

Push-up inner support



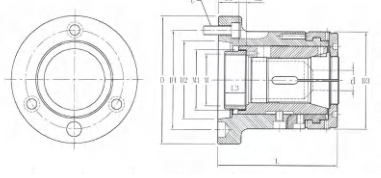
- 前推式内撑夹具型号规格完整有A2-3型、A2-4型、A2-6型等型号可以选用搭配适用于各类数控车床、磨床和各式专用机械，前推式内撑夹具系列产品尺寸依照标准规格设计，搭配前推式夹头能与机床原有的液压卡盘替换安装，无需尺寸修改。
- The model specifications of the front push type inner support clamp are complete with A2-3 type, A2-4 type, A2-6 type and so on. Applicable to all kinds of CNC lathes, grinders and all kinds of special machinery, the size of the front push type internal clamps is designed according to the standard specifications, and the front push type chuck can be replaced with the original hydraulic chuck on the machine tool without dimension modification.

编号 Order	型号 Model	D	D1	D2	M	G	RMB
708640	CCJT-A2-3-28	Ø94	Ø70.6	Ø53.975	M32X1.5	3-M10X25	
708641	CCJT-A2-4-36	Ø110	Ø82.6	Ø63.51	M44X2.0	3-M10X25	
708642	CCJT-A2-5-46	Ø128	Ø104.8	Ø82.56	M55X2.0	3-M10X25	
708643	CCJT-A2-6-52	Ø158	Ø133.4	Ø106.38	M60X2.0	6-M12X30	

如有非标可按尺寸订做

标准前推式夹头套

Standard front push clamp



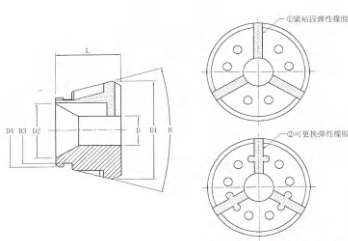
- 前推式夹头套其精密度0.005mm
- 前推式夹头套型号规格完整有A2-3型、A2-4型、A2-6型等型号可以选用搭配
- 适用于各类数控车床、磨床和各式专用机械，前推式夹头套系列产品尺寸依照标准规格设计，搭配前推式夹头能与机床上原有的液压卡盘替换安装，无需尺寸修改。
- Front push type ferrule with precision of 0.005mm
- The model specifications of the front push type ferrule are complete with A2-3 type, A2-4 type, A2-6 type and so on.
- Applicable to all kinds of CNC lathes, grinding machines and all kinds of special machinery, the size of the front push type ferrule series products according to the standard. The quasi-standard design, with the front push chuck can be replaced with the original hydraulic chuck on the machine, no need to modify the size.

编号 Order	型号 Model	D	D1	D2	M	M1	L	D3	d	L1	L2	L3	G	RMB
708645	CCJT-JS28(A2-4)	Ø110	Ø82.6	Ø63.51	M40X1.5	M50X1.5	110	Ø83	Ø30	20	8	23	3-M10X30	
708646	CCJT-CK36(A2-5)	Ø128	Ø104.8	Ø82.56	M55X2	M64X1.5	128	Ø103	Ø42	22	8	23	4-M10X30	
708647	CCJT-JS46(A2-6)	Ø165	Ø133.4	Ø106.38	M60X2	M80X1.5	148	Ø130	Ø52	26	8	31	4-M12X30	
708648	CCJT-CK52(A2-8)	Ø220	Ø171.4	Ø139.7	M85X2	M112X2	174	Ø158	Ø80	32	11	34	6-M16X35	

如有非标可按尺寸订做

橡胶弹性夹头

Rubber elastic chuck

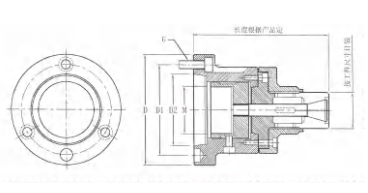


- 采用后拉式工作尺寸优化，无多余重量
- 允许转速高，转速增加不影响夹持力
- 通过专用反扳手，快速更换套筒夹头
- 高耐磨性，使用寿命长
- 橡胶密封防止铁屑、铝屑进入本体
- 精钢材质，超长寿命
- 高回转精度，跳动精度≤0.005mm
- Optimized with back pull working size, no excess weight
- Allow high speed, increase in speed does not affect clamping force
- Quickly change the collet chuck with a special counter wrench
- High wear resistance and long service life
- Rubber seal prevents iron filings and aluminum filings from entering the body
- Stainless steel material, long life
- High rotation accuracy, runout accuracy ≤0.005mm

编号 Order	型号 Model	D	D1	D2	D3	D4	L	H	RMB
708650	CCJT-XJ25	Ø4-Ø25	Ø54	Ø27	Ø34	Ø39	40	30°	
708651	CCJT-XJ35	Ø4-Ø35	Ø66	Ø37	Ø44	Ø49	42	30°	
708652	CCJT-XJ45	Ø4-Ø45	Ø83	Ø46	Ø55	Ø66	53	30°	
708653	CCJT-XJ52	Ø4-Ø52	Ø93	Ø54	Ø62.5	Ø68	56	30°	

后拉式内撑夹具

Rear pull inner clamp



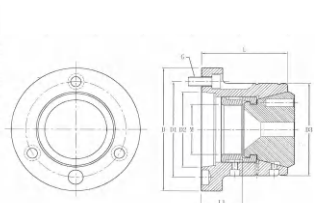
- 后拉式内撑夹具型号规格完整有A2-3型、A2-4型、A2-6型等型号可以选用搭配
- 适用于各类数控车床、磨床和各式专用机械，前推式内撑夹具系列产品尺寸依照标准规格设计，与机床上原有的液压卡盘替换安装，无需修改尺寸。
- The rear pull type inner support clamp model specifications are complete with A2-3 type, A2-4 type, A2-6 type and other models.
- Applicable to all kinds of CNC lathes, grinding machines and all kinds of special machinery. The size of the front push type internal clamp series is designed according to the standard specifications, and it is replaced with the original hydraulic chuck of the machine tool, no need to modify the size.

编号 Order	型号 Model	D	D1	D2	M	G	RMB
708660	CCJT-A2-3-28	Ø94	Ø70.6	Ø53.975	M32X1.5	3-M10X25	
708661	CCJT-A2-4-36	Ø110	Ø82.6	Ø63.51	M44X2.0	3-M10X25	
708662	CCJT-A2-5-46	Ø128	Ø104.8	Ø82.56	M55X2.0	3-M10X25	
708663	CCJT-A2-6-52	Ø158	Ø133.4	Ø106.38	M60X2.0	6-M12X30	

如有非标可按尺寸定做

橡胶弹性夹头套筒

Rubber elastic collet sleeve

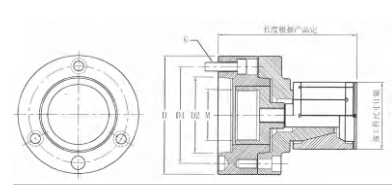


- 采用后拉式工作尺寸优化，无多余重量
- 允许转速高，转速增加不影响夹持力
- 通过专用反扳手，快速更换套筒夹头
- 高耐磨性，使用寿命长
- 橡胶密封防止铁屑、铝屑进入本体
- 精钢材质，超长寿命
- 高回转精度，跳动精度≤0.005mm
- Optimized with back pull working size, no excess weight
- Allow high speed, increase in speed does not affect clamping force
- Quickly change the collet chuck with a special counter wrench
- High wear resistance and long service life
- Rubber seal prevents iron filings and aluminum filings from entering the body
- Stainless steel material, long life
- High rotation accuracy, runout accuracy ≤0.005mm

编号 Order	型号 Model	D	D1	D2	M	L	D3	L1	G	RMB
708655	CCJT-XJ25(A2-3)	Ø95	Ø70.6	Ø53.975	M32X1.5	76	Ø68	40	3-M10X25	
708656	CCJT-XJ35(A2-4)	Ø110	Ø82.6	Ø63.51	M44X2.0	83	Ø82	44	3-M10X25	
708657	CCJT-XJ45(A2-5)	Ø128	Ø104.5	Ø82.56	M55X2.0	90	Ø101	43	3-M10X25	
708658	CCJT-XJ52(A2-6)	Ø165	Ø133.4	Ø106.38	M60X2.0	100	Ø114	49	6-M12X30	

重型后拉式内撑夹具

Heavy-duty rear pull-type inner support fixture



- 重型后拉式内撑夹具型号规格完整有A2-3型、A2-4型、A2-6型等型号可以选用搭配
- 适用于各类数控车床、磨床和各式专用机械，前推式内撑夹具系列产品尺寸依照标准规格设计，与机床上原有的液压卡盘替换安装，无需修改尺寸。
- Heavy-duty rear pull type inner clamp type specifications are available in A2-3 type, A2-4 type, A2-6 type, etc.
- Applicable to all kinds of CNC lathes, grinding machines and all kinds of special machinery. The size of the front push type internal clamp series is designed according to the standard specifications, and it is replaced with the original hydraulic chuck of the machine tool, no need to modify the size.

编号 Order	型号 Model	D	D1	D2	M	G	RMB
708665	CCJT-A2-3-28	Ø94	Ø70.6	Ø53.975	M32X1.5	3-M10X25	
708666	CCJT-A2-4-36	Ø110	Ø82.6	Ø63.51	M44X2.0	3-M10X25	
708667	CCJT-A2-5-46	Ø128	Ø104.8	Ø82.56	M55X2.0	3-M10X25	
708668	CCJT-A2-6-52	Ø158	Ø133.4	Ø106.38	M60X2.0	6-M12X30	

如有非标可按尺寸定做

中空卡盘

中实卡盘

立式卡盘

气动卡盘

生爪硬爪

车床刀套

刀座

精密夹头

手动卡盘

顶针

铣床虎钳配件

磨床磁盘

工具万力

线割配件

机床工具

车床卡盘

铣床虎钳

磨床磁盘

线割配件

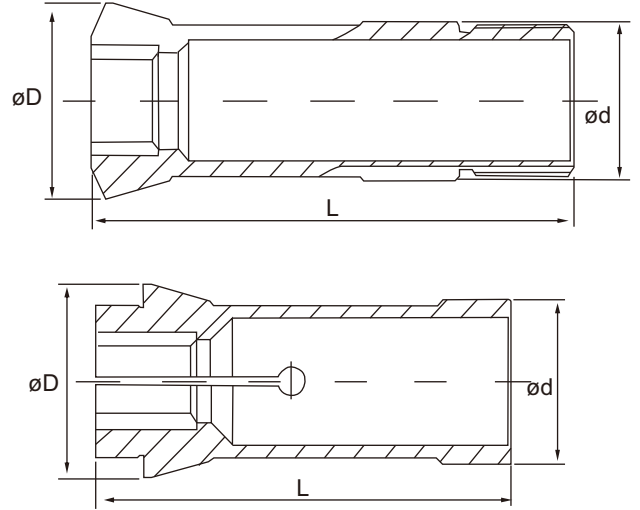
机械工具

走心机夹头
Walking Chuck

DT
导套

ZJ
主夹

BJ
背夹



各种夹头品牌及规格
Various clamp brands and specifications

Models	主轴 Coller			导套 GuideBush			副轴 SubCollet			RMB
Eugeo (江黑)	d	D	L	d	D	L	d	D	L	
江黑JT-JH6#	19.05	26	77							
江黑JT-JH8#	24	33.2	103							
江黑JT-JH10#	32	42	118							
江黑JT-JH15#	19	26	76							
江黑JT-JH25#	25	32.5	102							

Models	主轴 Coller			导套 GuideBush			副轴 SubCollet			RMB
Kitamura	d	D	L	d	D	L	d	D	L	
JT-KL16	22	30	82							
JT-KL20	26	34	92							
JT-KL25	32	42	118							
JT-KI30	37	47	119							

Models	主轴 Coller			导套 GuideBush			副轴 SubCollet			RMB
Nomura (野村)	d	D	L	d	D	L	d	D	L	
JT-P10/NS-1053	16	22	53	16	20	63				
JT-P16/NS-1653	20	26.2	67	22	26	70.5				
JT-P20	23	36	67	30	35.2	67.5				

Models	主轴 Coller			导套 GuideBush			副轴 SubCollet			RMB
RTornos (瑞士特纳斯)	d	D	L	d	D	L	d	D	L	
JT-DECO200-7(D7)	10	15.5	48	11	14.5	53.3				
JT-DECO200-10(D10)	13	19.5	64	16	20.5	59				
JT-DECO200-13(D13)	20	26	54	24	29.5	61	20	26	54	
JT-DECO200-20(D20)	25	35	77	28	38	81	25	35	77	
JT-DT26	30	38	65	34	41	87.5				

Models	主轴 Coller			导套 GuideBush			副轴 SubCollet			RMB
Star (星牌)	d	D	L	d	D	L	d	D	L	
JT-S13/SNC15/VNC12/SH12	18	25	67	21	24	58				
JT-SW7/JNC10/RNC10/SNC10	15	21	64	16	20	59				
JT-SA16/SH16/SR16/SR16/RNC16	20	28	67	22	29	68				
JT-VNC20/SR20/20R/KNC20/SV20/JNC20	26	36	67	30	35	59				
JT-VNC32	37	47	92	42	49	82				
JT-STAR23#	28	35	77	30	35	59	28	35	77	
JT-STAR25#	30	42	78	34	41	87.5	28	35	77	

Models	主轴 Coller			导套 GuideBush			副轴 SubCollet			RMB
Riken (理研)	d	D	L	d	D	L	d	D	L	
JT-SAD25	30	43	66							
JT-SAD40	48	66	84							
JT-SAD50	56	68	94							
JT-SAD65	75	93	100							

Models	主轴 Coller			导套 GuideBush			副轴 SubCollet			RMB
Hanwha (韩华)	d	D	L	d	D	L	d	D	L	
JT-SL12/SL12S/SL12H	16	21	64	18	22	60				
JT-SL16/XP16	22	30	55	22	29	68				
JT-SL20/XD20	25	35	77	28	33.8	82				
JT-SL32/XD32	37	47	92	42	49	82				
JT-SL35/XD35	40	50	92	45	52	82				

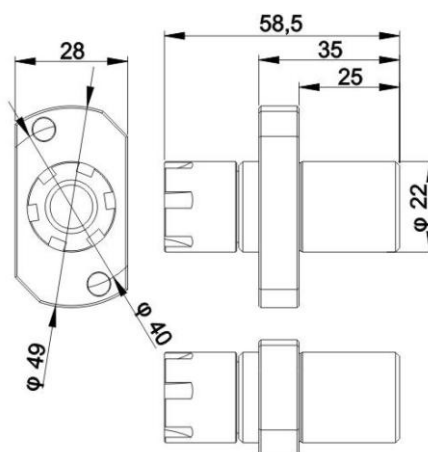
Models	主轴 Coller			导套 GuideBush			副轴 SubCollet			RMB
Hvdromat	d	D	L	d	D	L	d	D	L	
JT-W20	20	26	73							
JT-W25	25	33.7	97.5							

Models	主轴 Coller			导套 GuideBush			副轴 SubCollet			RMB
Citizen (西铁城)	d	D	L	d	D	L	d	D	L	
JT-R04	8	11.2	36	9	12.5	38.5				
JT-L10/R07	15	20	45.5	16	20	50				
JT-A12/B12/C12/M12	16	21	62	18	22	60				
JT-A16/C16/M16-111	20	28	67	22	29	68	20	28	67	
JT-L16/L20/M20/E16/E20/F16/F20	26	36	67	30	35	59	26	36	67	
JT-L25/F25/E25	30	42	78	34	41	87.5	30	42	78	
JT-C32/L32/M32/E32	37	47	92	42	48	82	37	47	92	
JT-BL12	19.05	26	77				16	21	62	
JT-BL20	33	41	100				26	36	67	
JT-BL25	33	41	100				30	42	78	
JT-L38	48	60	94	48	54	82				

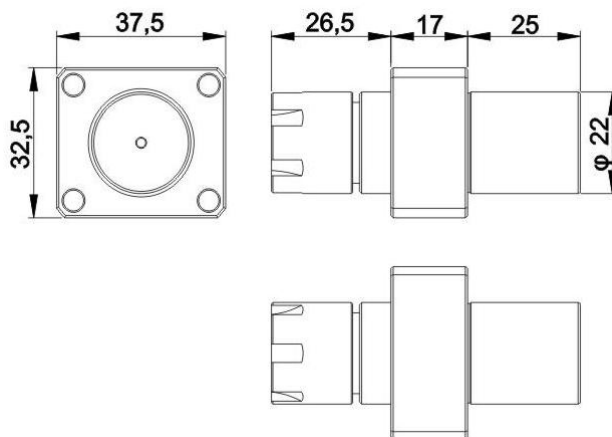
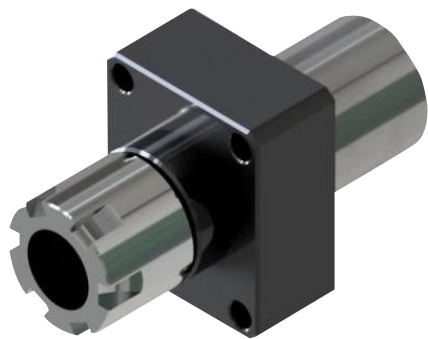
Models	主轴 Coller			导套 GuideBush			副轴 SubCollet			RMB
Tsugami (津上)	d	D	L	d	D	L	d	D	L	
JT-T7/B007	10	16	47	11	14.5	52	10	10	47	
JT-L10/NT11	14	20	47	15	19	54				
JT-8026/BU26	33	40	80	34	41	87.5				
JT-BA26	33	40	80	33	38	70	33	40	80	
JT-NP16/NP17/NT17/8012/BS12	23.8	28	62	23	28	72	23.8	28	62	
JT-8S20/S20	28	35	77	30	36	70	25	35	77	
JT-BM16	30	38	75				16	21	64	
JT-8032	37	44	91.2	41	46	82	23.8	28	62	
JT-80385	43	53	92	48	48	81				
JT-B0385L	58	70	105				48	54	100	
JT-B0385C	48	54	100				48	54	100	

Models	主轴 Coller			导套 GuideBush			副轴 SubCollet			RMB
Miyano (宫野)	d	D	L	d	D	L	d	D	L	
JT-BNC20	27	38	73							
JT-BNC34	44.4	54	108							
JT-BNF16(148E)	28	38	70				22	30.5	55	
JT-BM35	53	70.3	105							
JT-171E	42	55	94							
JT-173E	48	60	94							
JT-176E	56	68	94							
JT-177E	58	70	94							

背面钻孔座 Back Drilling Seat



ORDER ON	编号 STAR	转速比 Maximum Speed	最高转速 Maximum Speed	柄径 Handle Diameter	孔径 Aperture	使用筒夹 USE A Collet	RMB
	BZDZ-C22-ER16M-L	/	/	22	10.0	ER16	



ORDER ON	编号 STAR	转速比 Maximum Speed	最高转速 Maximum Speed	柄径 Handle Diameter	孔径 Aperture	使用筒夹 USE A Collet	RMB
	BZDZ-C22-ER16M-F	/	/	22	10.0	ER16	

中空
卡盘

中实
卡盘

立式
卡盘

气动
卡盘

生爪
硬爪

车床
刀套

刀座

精密
夹头

手动
卡盘

顶针

铣床
虎钳
配件

磨床
磁盘

工具
万力

线割
配件

机床
工具

车床
卡盘

铣床
虎钳

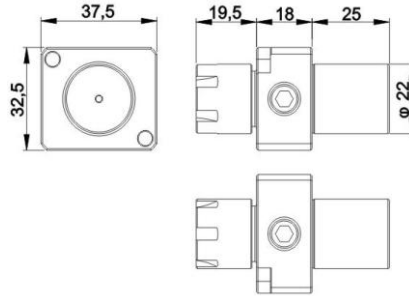
磨床
磁盘

线割
配件

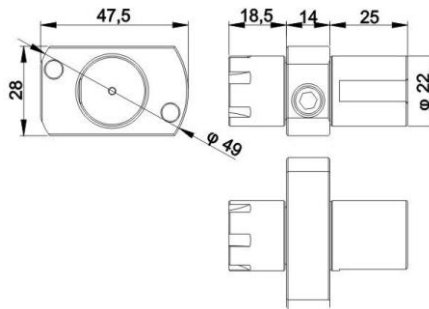
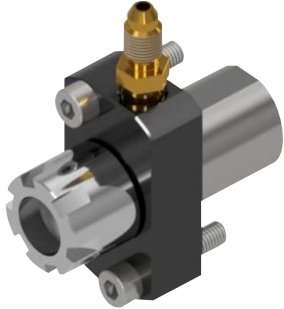
机械
工具

背面钻孔座 (中心出水)

Back Drilling Seat (center Outlet)



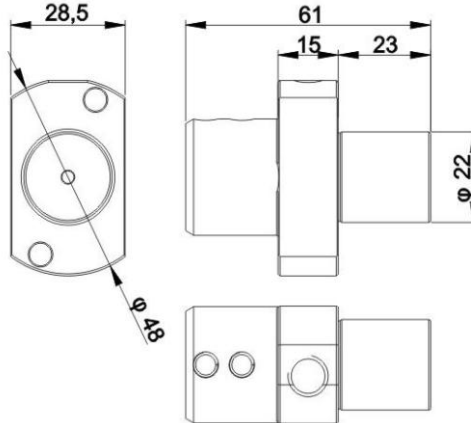
ORDER ON	编号 STAR	转速比 Maximum Speed	最高转速 Maximum Speed	柄径 Handle Diameter	孔径 Aperture	使用筒夹 USE A Collet	RMB
	BZDZ-C22-ER16M-FOH	/	/	22	10.0	ER16	



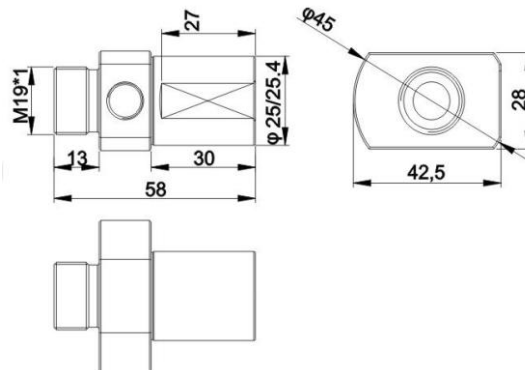
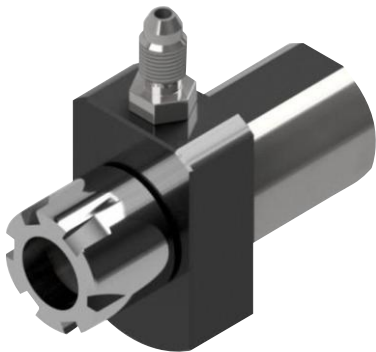
ORDER ON	编号 STAR	转速比 Maximum Speed	最高转速 Maximum Speed	柄径 Handle Diameter	孔径 Aperture	使用筒夹 USE A Collet	RMB
	BZDZ-C22-ER16M-LOH	/	/	22	10.0	ER16	

背面钻孔座

Back Drilling Seat



ORDER ON	编号 STAR	转速比 Maximum Speed	最高转速 Maximum Speed	柄径 Handle Diameter	孔径 Aperture	使用筒夹 USE A Collet	RMB
	BZDZ-C22-SLN...-LOH	/	/	22	6/8/10/12/16	/	

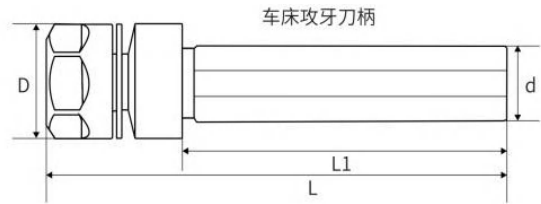


ORDER ON	编号 STAR	转速比 Maximum Speed	最高转速 Maximum Speed	柄径 Handle Diameter	孔径 Aperture	使用筒夹 USE A Collet	RMB
西铁城	BZDZ-C25-ER16M-LOH	/	/	25	10	ER16	
	BZDZ-C25.4-ER16M-LOH	/	/	25.4	10	ER16	

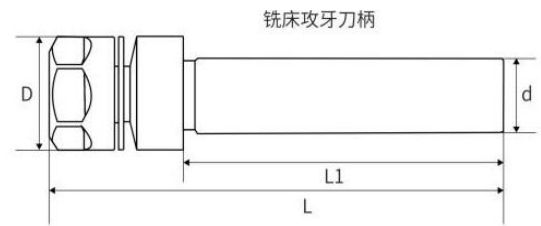
直柄攻牙刀杆

Tapping Tool With Straight Handle

STB型 STBTYPE

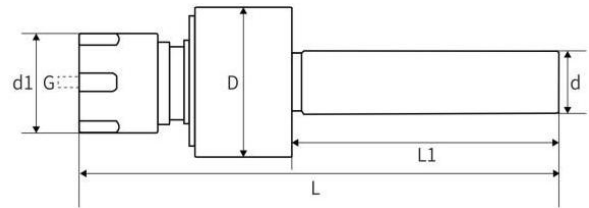


STC型 STBTYPE



ORDER ON	MOEL SERIES	D	d	L	L1	夹持范围 Clamping range	RMB
642001	STC20-TER16-70L	28	20	113	70	M2-M12	
642002	STC25-TER16-70L	28	25	113	70	M2-M12	
642003	STB20-TER16-70L	28	20	113	70	M2-M12	
642004	STB25-TER16-70L	28	25	113	70	M2-M12	

ER型 ERTYPE



ORDER ON	MOEL SERIES	D	d	d1	L1	L	G单边浮动量 G Unilateral floating quantity	RMB
643001-10	D10-ER11	25	10	16	16	44	0.5	
643001-16	D16-ER11		16					
643001-20	D20-ER11		20					
643001-20	D20-ER20		20	28				
643001-25	D25-ER20		25					
643001-32	D32-ER20	32						

ER螺帽 ER NUT



※以上产品均为标准螺帽,如有非标可按尺寸定做
 ※The above products are standard nuts, if there are non-standard can be customized according to size

中空卡盘

中实卡盘

立式卡盘

气动卡盘

生爪硬爪

车床刀套

刀座

精密夹头

手动卡盘

顶针

铣床虎钳配件

磨床磁盘

工具万力

线割配件

机床工具

车床卡盘

铣床虎钳

磨床磁盘

线割配件

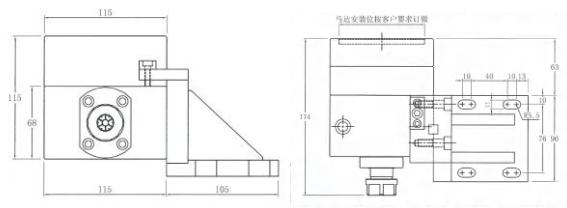
机械工具

中空卡盘

ER轴动力装置

ER axis power unit

CCJT-ER20-1侧



ER轴动力装置就是在数控车床的刀塔上安装以动力装置,装置上可以安装钻头,铣刀,丝攻等各种加工刀具,让机床实现多样化加工生产,扩大机床的加工范围适用于国内外各种品牌型号机床。

The ER-axis power unit is equipped with a power unit on the turret of the CNC lathe, and the unit can be equipped with a drill bit, Milling knives, wire tapping and other processing tools, enabling machine tools to achieve diverse processing and production, expanding the processing range of machine tools. Applicable to all kinds of brand models at home and abroad.

中实卡盘

立式卡盘

气动卡盘

生爪硬爪

车床刀套

刀座

精密夹头

手动卡盘

顶针

铣床虎钳配件

磨床磁盘

工具万力

线割配件

机床工具

车床卡盘

铣床虎钳

磨床磁盘

线割配件

机械工具

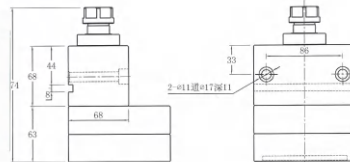
ER轴动力装置

ER AXIS POWER UNIT

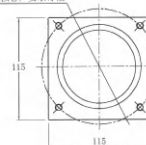
CCJT-ER20-1端

ER轴动力装置就是在数控车床的刀塔上安装以动力装置,装置上可以安装钻头,铣刀,丝攻等各种加工刀具,让机床实现多样化加工生产,扩大机床的加工范围适用于国内外各种品牌型号机床。

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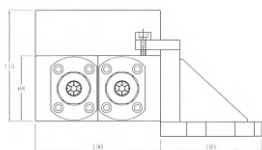
马达安装规格客户要求订购



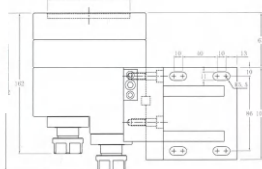
ER轴动力装置

ER axis power unit

CCJT-ER20-2侧



马达安装规格客户要求订购



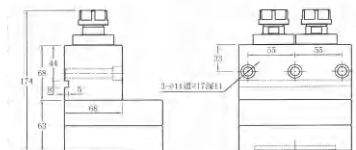
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The ER-axis power unit is equipped with a power unit on the turret of the CNC lathe, and the unit can be equipped with a drill bit, Milling knives, wire tapping and other processing tools, enabling machine tools to achieve diverse processing and production, expanding the processing range of machine tools. Applicable to all kinds of brand models at home and abroad.

ER轴动力装置

ER axis power unit

CCJT-ER20-2端



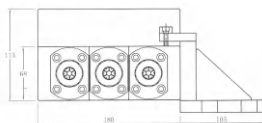
马达安装规格客户要求订购



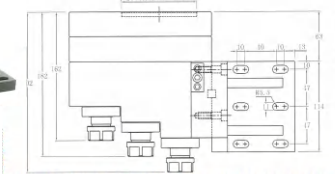
ER轴动力装置

ER axis power unit

CCJT-ER20-3侧



马达安装规格客户要求订购



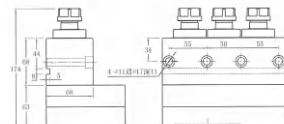
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The ER-axis power unit is equipped with a power unit on the turret of the CNC lathe, and the unit can be equipped with a drill bit, Milling knives, wire tapping and other processing tools, enabling machine tools to achieve diverse processing and production, expanding the processing range of machine tools. Applicable to all kinds of brand models at home and abroad.

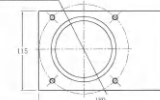
ER轴动力装置

ER axis power unit

CCJT-ER20-3端



马达安装规格客户要求订购

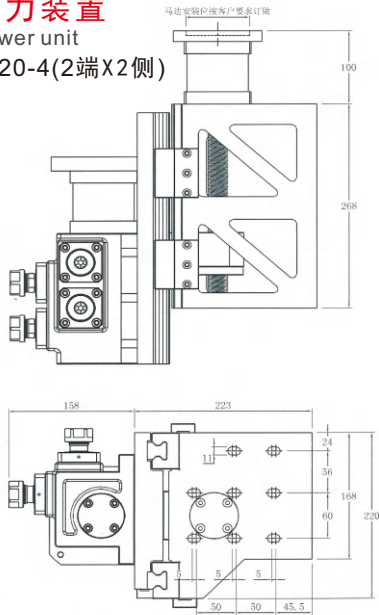


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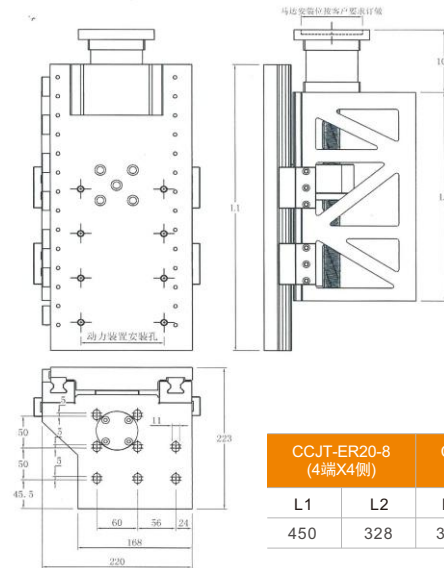
ER轴动力装置

ER axis power unit
CCJT-ER20-4(2端X2侧)



ER轴动力装置支架

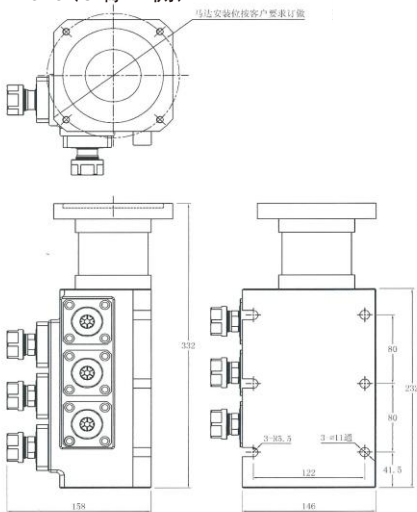
ER shaft power unit bracket



CCJT-ER20-8 (4端X4侧)		CCJT-ER20-6 (3端X3侧)		CCJT-ER20-6 (2端X2侧)	
L1	L2	L1	L2	L1	L2
450	328	390	268	330	268

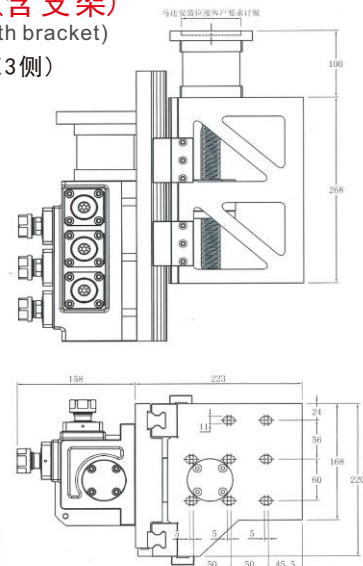
ER轴动力装置

ER axis power unit
CCJT-ER20-6(3端X3侧)



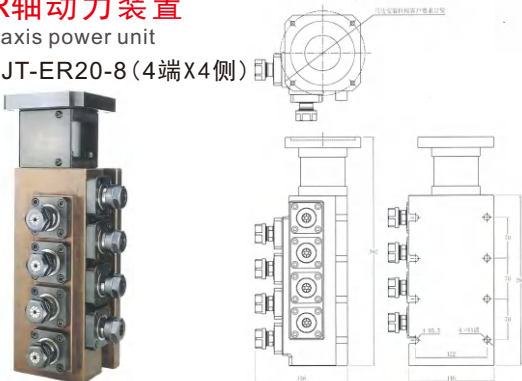
ER轴动力装置(含支架)

ER axis power unit (with bracket)
CCJT-ER20-6(3端X3侧)



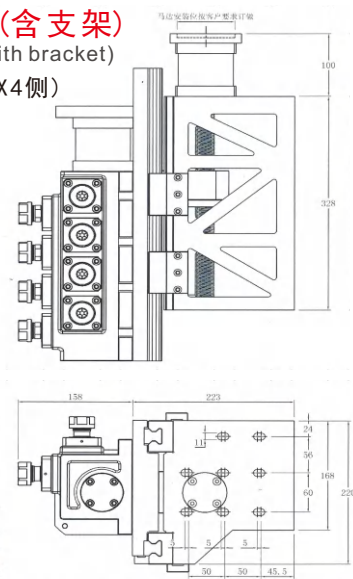
ER轴动力装置

ER axis power unit
CCJT-ER20-8(4端X4侧)



ER轴动力装置(含支架)

ER axis power unit (with bracket)
CCJT-ER20-8(4端X4侧)



ER轴动力装置就是在数控车床的刀塔上安装以动力装置,装置上可以安装钻头、铣刀、丝攻等各种加工刀具,让机床实现多样化加工生产,扩大机床的加工范围,适用于国内外各种品牌型号机床。

The ER-axis power unit is equipped with a power unit on the turret of the CNC lathe, and the unit can be equipped with a drill bit, Milling knives, wire tapping and other processing tools, enabling machine tools to achieve diverse processing and production, expanding the processing range of machine tools. Applicable to all kinds of brand models at home and abroad.

中空卡盘

中实卡盘

立式卡盘

气动卡盘

生爪硬爪

车床刀套

刀座

精密夹头

手动卡盘

顶针

铣床虎钳配件

磨床磁盘

工具万力

线割配件

机床工具

车床卡盘

铣床虎钳

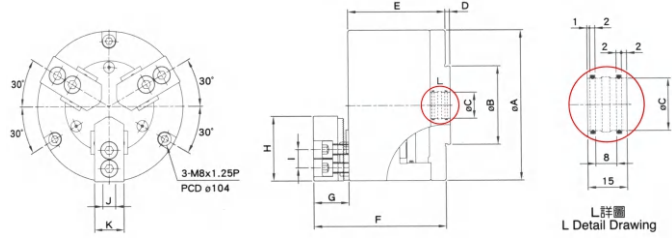
磨床磁盘

线割配件

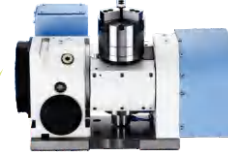
机械工具

三爪气压夹盘

3-JAW AIR CHUCK FIXTURES



分度盘适用范例
Operation Example for rotary table



CNC
Operation Example for CNC Lathe



订购编码 Order Number	型号 MODEL	A	B	C	D	E	F	G	H	I	J	K	活塞面积 Piston Area (cm ²)	柱塞行程 Plunger Stroke (mm)	爪行程 (直径) Jaw Stroke [Diameter] (mm)	空压夹持力 Gripping Force At Air 7kgf/cm ² Pressure (0.7Mpa) kgf (KN)	最高回转速 Max.Speed r.p.m.(min-1)	夹持范围 Gripping Range	净重 Weight (kg)	单价 Price
703800	JMR-04	117	60	20	3.5	74	100.7	26.7	49.5	14	10	23	57	9	3.8	1100 (10.8)	3000	Ø10~Ø117	5.7	

双气缸三爪气压夹盘 3-JAW AIR CHUCK FIXTURES BUILT-IN 2 CYLINDERS

订购编码 Order Number	型号 MODEL	A	B	C	D	E	F	G	H	I	J	K	活塞面积 Piston Area (cm ²)	柱塞行程 Plunger Stroke (mm)	爪行程 (直径) Jaw Stroke [Diameter] (mm)	空压夹持力 Gripping Force At Air 7kgf/cm ² Pressure (0.7Mpa) kgf (KN)	最高回转速 Max.Speed r.p.m.(min-1)	夹持范围 Gripping Range	净重 Weight (kg)	单价 Price
703850	JMR-04S	117	60	20	3.5	99.7	126.4	26.7	49.5	14	10	23	114	9	3.8	2200 (21.6)	4500	Ø10~Ø117	7.2	

回转式气压夹盘

Rotary Air Chuck Fixtures

经切削加工适用 Suitable for light cutting

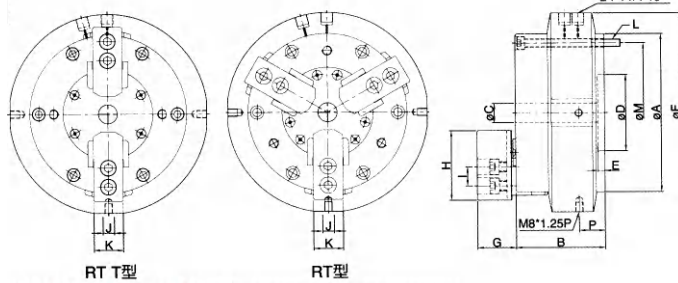
回转式气压夹盘适用于分度盘，具可随分度盘主轴旋转功能，动力夹持加工物作角度分割或旋转切削。

- 1. 气压防锈处理：**在潮湿及工作环境较差的情况，气缸内部经防锈处理，不会生锈或卡死。
- 2. 防尘装置：**工作中的铁屑及切削液不易进入夹盘内部的缸室，确保夹盘的使用寿命及精度保持。
- 3. 前置式的气缸：**气缸与夹盘直接设计，确保夹盘的稳定性，更方便于组装及操作。

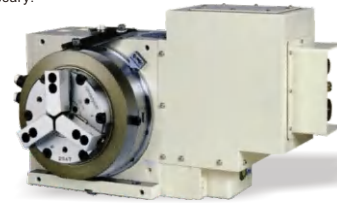


It's ideal for diving or cutting work pieces by mounting the chuck on indexing table or rotary table. The distinctive feature is that the chuck rotates with the spindle of indexing table or rotary table.

- 1. Rustproof treated cylinder:** The cylinder won't get rusty and seized even in wet or high moisture working environment.
- 2. Dust and water proof cover:** prevent metal chips or coolant from entering inside of chuck cylinder to maintain its accuracy and lead to longer service life.
- 3. Integral pneumatic cylinder:** Connect chuck and built-in cylinder to each other directly; thus enables operation stability. Moreover, it is more convenient for installation and operation since the use of draw tube and draw bar are no longer necessary.



应用实例 >> Operation Example



订购编码 Order Number	型号 MODEL	A	B	C	D	E	F	G	H	I	J	K	L	M	P	通孔直径(mm) Thru-Hole(Diameter)	活塞面积(cm ²) Piston Area
703900	JRT-05	140	85	16	60	6	180	33	62	14	10	25	6-M8x1.25P	Ø118	27	16	74
703902	JRT-06	170	96	20	80	7	210	40	73	20	12	31	6-M8x1.25P	Ø147	27	20	120
703904	JRT-08	215	112	30	110	8	250	42	95	25	14	35	6-M10x1.5P	Ø185	28	30	190
703906	JRT-10	255	120	43	140	8	290	46	110	30	16	40	6-M10x1.5P	Ø220	30.5	43	280
703908	JRT-05T	140	85	16	60	6	180	33	62	14	10	25	6-M8x1.25P	Ø118	27	16	74
703910	JRT-06T	170	93	20	80	7	210	40	73	20	12	31	6-M8x1.25P	Ø147	27	20	120

型号 MODEL	柱塞行程(mm) Plunger Stroke	爪行程 (直径mm) Jaw Stroke(Diameter)	最高转速 Max.Speed r.p.m.(min-1)	最大设定压力 Max.R.pressure kgf/cm ² (Mpa)	气压夹持力 Gripping Force At Air Pressure 7kgf/cm ² (0.7Mpa) kgf (KN)	夹持范围 Gripping Range	净重(kg) Weight	单价 Price
JRT-05	10	4.6	51	7 (0.7)	1340 (13.1)	Ø4-Ø136	9.3	
JRT-06	13	5.5	41	7 (0.7)	2330 (22.8)	Ø25-Ø166	15.5	
JRT-08	16	6.8	33	7 (0.7)	3730 (36.5)	Ø33-Ø215	28.5	
JRT-10	19	8.0	26	7 (0.7)	5480 (53.7)	Ø43-Ø255	42.3	
JRT-05T	10	4.6	51	7 (0.7)	1340 (13.1)	Ø4-Ø136	9.0	
JRT-06T	13	5.5	41	7 (0.7)	2330 (22.8)	Ø25-Ø166	15.0	

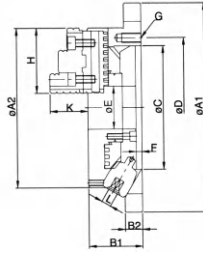
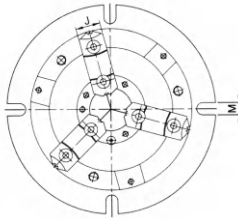
强力型超薄型夹头 SUPER THIN CHUCK

强力超薄夹盘之特色:

1. 把手和盘面成30°角, 旋转操作更便利。
2. 薄型设计, 可增加机械加工之容许长度。
3. 外径成凸缘设计, 装卸容易。
4. 强力型设计可共用生爪。

SUPER THIN CHUCKS

1. The handle with an angle of 30 degrees is much convenient for operations
2. The "super thin thickness" design of chuck increase the "allowable distance" of machining operation.
3. Chuck flange makes loading and unloading operations simpler and more convenient.
4. Hard jaws and Soft jaws can be used alternatively.



Unit:mm

Order NO.	Model	A1	A2	B1	B2	C	D	E	F	G	H	J	K	L	M	净重 (kg)	外径把握 O.D.C lamping (mm)	内径把握 I.D.C lamping (mm)	单价 Price
704100	NBK06	220	170	58	18	130	147	45	6	3-M10×1.5P	68	26	40	10	13	10.6	Ø8~Ø160	Ø48~Ø150	
704102	NBK08	270	210	65	20	155	172	60	6	3-M10×1.5P	82	28	43	11	13	18.1	Ø11~Ø200	Ø62~Ø190	
704104	NBK10	315	255	73	20	190	210	80	6	3-M12×1.75P	93	32	52	12	16	27.9	Ø12~Ø250	Ø72~Ø240	
704106	NBK12	370	305	80	22	250	285	105	5	3-M12×1.75P	118	40	59	14	18	42.9	Ø15~Ø300	Ø86~Ø290	

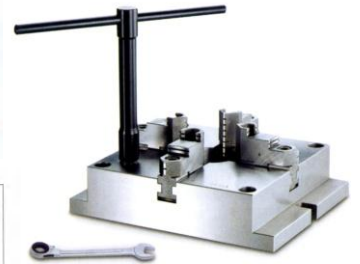
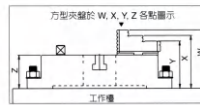
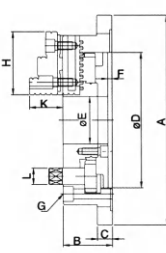
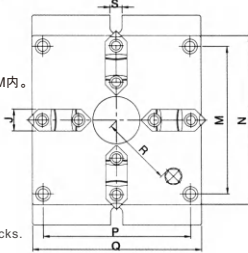
方型超薄夹头 SUPER THIN SQUARE CHUCK

MC附硬爪

1. MC均为定寸研磨方式; 任何相同规格之方型夹盘W, X, Y, Z各点之高度公差为0.05MM内。
2. MC规格均可替换生爪, 作不规则形状之加工, 以替代中心机大量模治具, 更经济、方便。
3. 硬爪重复夹持之精度公差为0.02MM内。
4. 侧边平行校正后, 硬爪夹持之平行公差为0.05MM内。

MC SQUARE CHUCKS

1. MC chucks are precisely ground, the tolerances of W, X, Y, Z among chucks are within 0.05mm.
2. Soft jaws can be used alternatively for machining special shaped work pieces, to substitute for designing and making a lot of jigs for this purpose.
3. The repetitive gripping accuracy with the hard jaws are within 0.02mm.
4. parallel gripping accuracy with hard jaws can be controlled within 0.05mm after aligning sides of chucks.



Unit:mm

Order NO.	Model	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	净重 (kg)	外径把握 O.D.C lamping (mm)	内径把握 I.D.C lamping (mm)	单价 Price
704200	MC06	215	57	18	130	40	5.5	4-M10×1.5P	68	26	39	14	144	165	144	165	66	18	11.4	Ø4~Ø128	Ø55~Ø128	
704202	MC08	250	65	20	160	55	6	4-M12×1.75P	82	28	43	17	174	200	174	200	83	18	18.6	Ø5~Ø162	Ø62~Ø162	
704204	MC10	310	72	22	200	70	6	4-M14×2P	93	32	50	21	218	250	218	250	104	18	31.6	Ø6~Ø200	Ø72~Ø200	
704206	MC12	380	85	25	260	100	7	4-M16×2P	117	40	56	23	274	310	274	310	135	22	56.6	Ø10~Ø265	Ø90~Ø265	

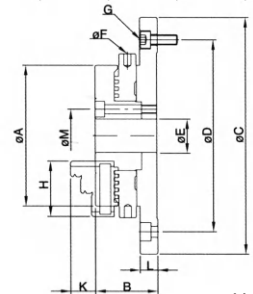
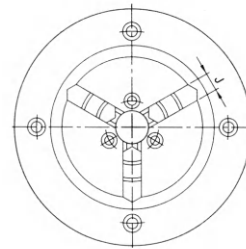
超薄夹头 THIN CHUCK

强力超薄型夹盘之特色:

1. 轻、薄、短小的设计, 适用于工件量测夹持。
2. 直接转动旋盘, 免于使用扳手旋转干涉。
3. 钢制本体, 耐用性甚佳。
4. 夹爪正反夹持两用设计, 操作方便。
5. 2"最小工件夹持0.8mm.

Features of super thin chuck:

1. Light, thin and short design, suitable for workpiece measurement and clamping.
2. Rotate the rotating disc directly to avoid the interference of spanner rotation.
3. Steel body, good durability.
4. The clamping claw is designed to clamp the rain forward and backward, so it is easy to operate.
5. 2" minimum workpiece clamping 0.8mm



Unit:mm

Order NO.	Model	A	B	C	D	E	F	G	H	J	K	L	M	净重 (kg)	把握范围Max. Gripping Diameter		单价 Price
															外径把握 O.D. Clamping	内径把握 I.D. Clamping	
704300	SE02	63	28	118	100	16	4	4-M5×0.8P	27	8	13	8	26	1.2	Ø0.8~Ø63	Ø23~Ø58	
704302	SE03	85	37	143	116	20	4	4-M6×1P	35	11	15	10.5	32	2.9	Ø1~Ø81	Ø31~Ø70	
704304	SE04	110	39	168	140	26	5	4-M6×1P	42	14	19	10	40	4.3	Ø1~Ø100	Ø36~Ø90	
704306	SE05	130	45	202	168	32	6	4-M8×1.25P	50	16	21	11.5	49	6.2	Ø1.5~Ø116	Ø43~Ø106	
704308	SE06	160	52	248	208	50	8	4-M10×1.5P	65	19	26	15	70	11.1	Ø1.5~Ø160	Ø52~Ø148	

中空卡盘

中实卡盘

立式卡盘

气动卡盘

生爪硬爪

车床刀套

刀座

精密夹头

手动卡盘

顶针

铣床虎钳配件

磨床磁盘

工具万力

线割配件

机床工具

车床卡盘

铣床虎钳

磨床磁盘

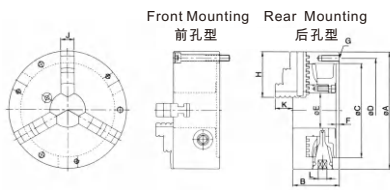
线割配件

机械工具

- 中空卡盘
- 中实卡盘
- 立式卡盘
- 气动卡盘
- 生爪硬爪

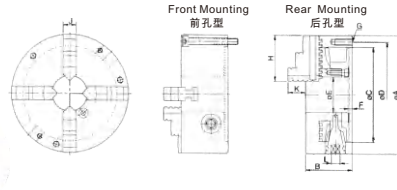
普通三爪夹头

3-JAWS REGULAR TYPE CHUCK



普通四爪夹头

4-JAWS REGULAR TYPE CHUCK



Unit:mm

Order NO.	Model	A	B	C	D	E	F	G	H	J	K	L	净重 (kg)	最高回转速 Max.Speed (r.p.m)	把握范围 Max.Gripping Diameter		单价 Price
															外径把握 O.D.Clamping	内径把握 I.D.Clamping	
705100	SC03	85	45	60	73	16	3.5	3-M6×1P	35	11	15	7	1.5	2500	Ø2-70	Ø24-64	
705102	SC04	112	58	80	95	24	4.5	3-M8×1.25P	42	14	17	8	3.3	2500	Ø3-90	Ø32-84	
705104	SC05	132	60	100	115	32	4.5	3-M8×1.25P	50	16	20	8	4.6	2500	Ø3-110	Ø35-110	
705106	SC06	167	66	130	147	45	5	3-M10×1.5P	65	19	23	10	7.9	2000	Ø4-160	Ø48-150	
705108	SC07	193	76	155	172	58	5	3-M10×1.5P	75	22	28	11	12.0	2000	Ø4-180	Ø56-170	
705110	SC08	103	76	160	176	58	5	3-M10×1.5P	75	22	28	11	13.3	2000	Ø4-180	Ø56-170	
705112	SC09	133	84	190	210	70	5.5	3-M12×1.75P	85	24	34.5	12	19.3	2000	Ø5-220	Ø62-210	
705114	SC10	273	86	230	250	89	5.5	3-M12×1.75P	98	28	39	12	26.2	1800	Ø6-260	Ø70-250	
705116	SC12	310	96	260	285	105	7	3-M12×1.75P	110	30	44	14	37.6	1800	Ø10-300	Ø86-290	
705118	SC16	405	122	345	375	160	8	3-M14×2P	146	40	56	15	80.7	1500	Ø14-400	Ø100-380	

- 车床刀套
- 刀座
- 精密夹头
- 手动卡盘
- 顶针
- 铣床虎钳配件

普通四爪夹头 4-JAWS REGULAR TYPE CHUCK

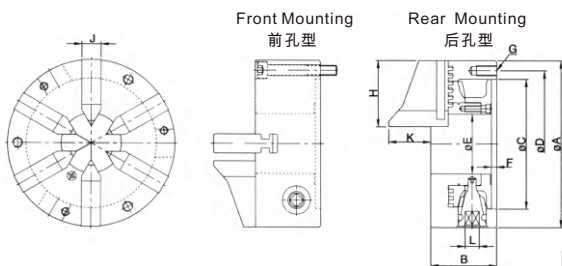
Unit:mm

Order NO.	Model	A	B	C	D	E	F	G	H	J	K	L	净重 (kg)	最高回转速 Max.Speed (r.p.m)	把握范围 Max.Gripping Diameter		单价 Price
															外径把握 O.D.Clamping	内径把握 I.D.Clamping	
705200	PS07	193	76	155	172	58	5	3-M10×1.5P	75	22	28	11	12.1	2000	Ø4-180	Ø56-170	
705202	PS09	233	84	190	210	70	5.5	3-M12×1.75P	85	24	34.5	12	19.4	2000	Ø5-220	Ø62-210	
705204	PS12	310	96	260	285	105	7	3-M12×1.75P	110	30	45	14	38.1	1800	Ø10-300	Ø86-290	
705206	PS16	405	122	345	375	160	8	3-M14×2P	146	40	56	15	82.4	1500	Ø14-400	Ø100-280	

- 磨床磁盘
- 工具万力
- 线割配件
- 机床工具

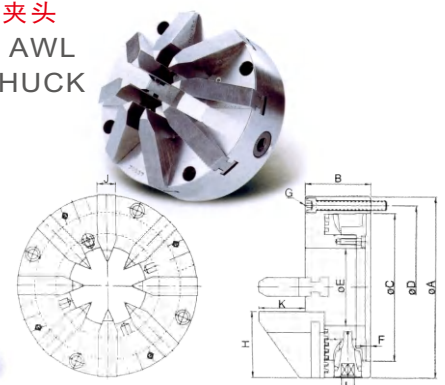
锥形六爪夹头

6-JAWS AWL TYPE CHUCK



锥形八爪夹头

8-JAWS AWL TYPE CHUCK



Order NO.	Model	A	B	C	D	E	F	G	H	J	K	L	净重 (kg)	最高回转速 Max.Speed (r.p.m)	把握范围 Max.Gripping Diameter		单价 Price
															外径把握 O.D.Clamping	内径把握 I.D.Clamping	
705300	AS04	112	58	80	95	32	4.5	3-M8×1.25P	45	14	46	8	3.8	1200	Ø2-32		
705302	AS06	167	65	130	147	60	5	3-M10×1.5P	66	19	43	10	8.4	1200	Ø4-60		

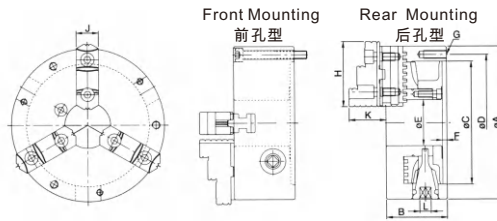
- 车床卡盘
- 铣床虎钳
- 磨床磁盘
- 线割配件
- 机械工具

锥形八爪夹头 8-JAWS AWL TYPE CHUCK

Unit:mm

Order NO.	Model	A	B	C	D	E	F	G	H	J	K	L	净重 (kg)	最高回转速 Max.Speed (r.p.m)	把握范围 Max.Gripping Diameter		单价 Price
															外径把握 O.D.Clamping	内径把握 I.D.Clamping	
705400	AE09	233	84	190	210	100	5.5	4-M12×1.75P	85	24	60	12	21	1000	Ø7-100		

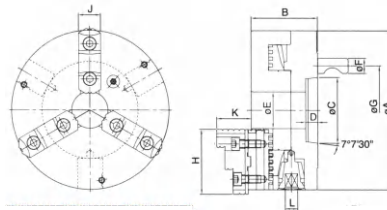
强力型三爪夹头 3-JAWS POWERFUL TYPE



Unit:mm

Order NO.	Model	A	B	C	D	E	F	G	H	J	K	L	净重 (kg)	最高回 转速 Max. Speed (r.p.m)	把握范围 Max.Gripping Diameter		单价 Price
															外径把握O.D.Clamping (mm)	内径把握I.D.Clamping (mm)	
705500	SK06	167	66	130	147	45	5	3-M10×1.5P	68	26	39	10	8.6	2000	Ø8-160	Ø55-150	
705502	SK07	193	76	155	172	58	5	3-M10×1.5P	82	28	43	11	12.8	2000	Ø8-1800	Ø62-170	
705504	SK08	203	76	160	176	58	5	3-M10×1.5P	82	28	43	11	14.1	2000	Ø8-180	Ø62-170	
705506	SK09	233	84	190	210	70	5.5	3-M12×1.75P	93	32	50	12	20.4	2000	Ø11-220	Ø70-210	
705508	SK10	273	86	230	250	89	5.5	3-M12×1.75P	93	32	50	12	26.7	1800	Ø12-260	Ø80-250	
705510	SK12	310	96	260	285	105	7	3-M12×1.75P	118	40	56	14	39.3	1800	Ø15-300	Ø90-290	
705512	SK16	405	122	345	375	160	8.5	6-M14×2P	150	45	75.5	15	82.3	1500	Ø30-400	Ø110-380	

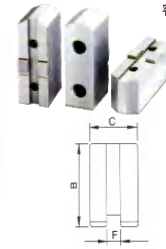
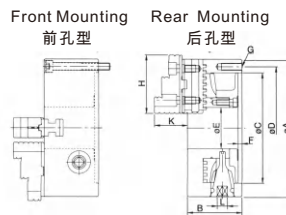
直装型三爪夹头 3-JAWS A1 TYPE CHUCK



Unit:mm

Order NO.	Model	A	B	C	D	E	F	G	H	I	J	K	L	P	M	N	净重 (kg)	最高回 转速 Max. Speed (r.p.m)	把握范围 Max.Gripping Diameter		单价 Price
																			外径把握 O.D.Clamping	内径把握 I.D.Clamping	
705600	A,5-08"	200	83	33.5	61.9	40	Ø104.8	3-M10×1.5P	82	82.563	28	43	11	14.29	Ø16.3	6.8	17.4	2000	Ø8-180	Ø62-170	
705602	A,6-08"	200	83	33.5	82.6	56	Ø133.4	3-M12×1.75P	82	106.375	28	43	11	15.88	Ø19.3	6.8	30	2000	Ø11-220	Ø70-210	
705604	A,6-10"	255	91.5	36.5	82.6	56	Ø133.4	3-M12×1.75P	93	106.375	32	50	12	15.88	Ø19.3	6.8	30.6	1800	Ø15-300	Ø90-290	

强力联动型四爪夹头 POWERFUL 4-JAWS SCROLL TYPE



客户订购时请注明"前孔型"或"后孔型"

Order NO.	Model	A	B	C	D	E	F	G	H	J	K	L	净重 (kg)	最高回 转速 Max. Speed (r.p.m)	把握范围 Max.Gripping Diameter		单价 Price
															外径把握O.D.Clamping (mm)	内径把握I.D.Clamping (mm)	
705700	PSK07	193	76	155	172	58	5	3-M10×1.5P	82	28	43	11	12.7	2000	Ø8-180	Ø62-170	
705702	PSK09	233	84	190	210	70	5	3-M12×1.75P	94	32	50	12	20.8	2000	Ø11-220	Ø70-210	
705704	PSK12	310	96	260	285	105	7	3-M12×1.75P	118	40	56	14	49	1800	Ø15-300	Ø90-290	
705706	PSK16	405	122	345	375	160	8.5	6-M14×2P	150	45	75.5	15	86.7	1500	Ø30-400	Ø110-380	

强力生爪 POWER SOFT JAWS

客户订购时请注明"前孔型"或"后孔型"

Order NO.	型号 MODEL	A	B	C	D	E	F	G	H	J	K	L	M	M	净重 Weight(kg)	单价 Price
705800	SO06Jaw	73	37	26	38.1	12.68	7.94	M8×1.25P	17.45	14	3.5	3	25	9	1.3	
705802	SO07Jaw	95	48	31	44.4	12.68	7.94	M10×1.5P	25.3	17	3.8	3	34	11	2.6	
705804	SO09Jaw	110	48	37	54	19.03	12.7	M12×1.75P	28	19	4.2	3	34	13	3.6	
705806	SO12Jaw	125	54	42	63.5	19.03	12.7	M12×1.75P	30.75	19	4.2	3	38	13	5.5	
705808	SO16Jaw	160	70	50	76.2	19.03	12.7	M16×2P	41.9	25	5.5	3	48	17	10.4	

中空
卡盘

中实
卡盘

立式
卡盘

气动
卡盘

生爪
硬爪

车床
刀套

刀座

精密
夹头

手动
卡盘

顶针

铣床
虎钳
配件

磨床
磁盘

工具
万力

线割
配件

机床
工具

车床
卡盘

铣床
虎钳

磨床
磁盘

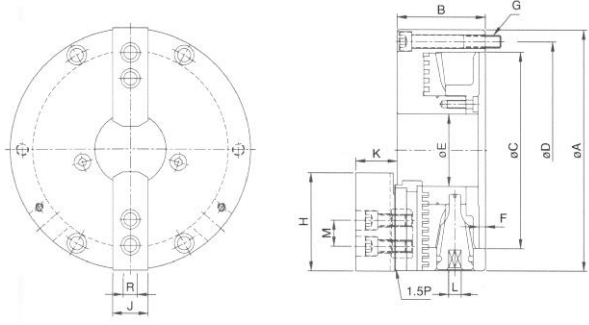
线割
配件

机械
工具

中空卡盘
中实卡盘
立式卡盘
气动卡盘
生爪硬爪
车床刀套
刀座
精密夹头
手动卡盘

齿式二爪钢壳夹头 2-JAW STEEL BODY CHUCKS

- 1.可替代修整油压生爪成型盘。
- 2.爪仔可前后任意调整，加大夹持工件范围。
- 3.生爪及硬爪与CNC车床油压爪公用。
- 4.钢壳结构于高速回转时安全性高，耐磨性强，使用寿命长。
- 5.转动扳手扭力较小操作顺畅。



1. Can be used as a "Forming plate" for mach soft jaws.
2. Hard jaws and soft jaws can be adjusted just like on a power Chuck to increase the gripping
3. Hard jaws as well as Soft jaws are interchangeable with those of power chuck
4. Chuck Body is made of steel to enhance sa operations for high speed machining
5. The Chuck Handle can be operated easily smoothly

可替代修整油压生爪成型盘
The chuck can be used as a "Forming plate" for machining soft jaws.

爪仔可前后任意调整加大夹持工件范围
Top jaws can be adjusted back and forth easily, thus increasing gripping range

硬爪与油压夹盘硬爪共用
Hard jaws are interchangeable with those of power chucks.

生爪与油压夹盘生爪共用
Soft jaws are interchangeable with those of power chucks.

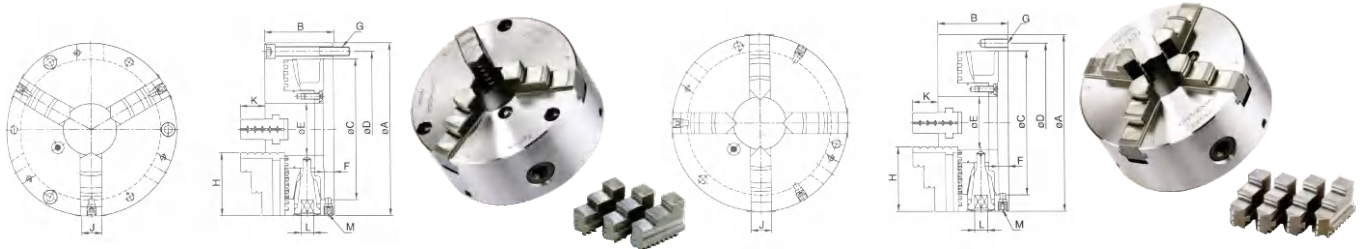
特别附件
连结盘
Optional accessory: Mounting plate.

订购编码 Order Number	型号 MODEL	A	B	C	D	E	F	G	H	J	K	L	M	R	最高转速 Max. Speed r.p.m.(min ⁻¹)	把握范围 Max. Gripping Diameter		净重 Weight(kg)	单价 Price
																外径把握 O.D.Clamping(mm)	内径把握 I.D.Clamping(mm)		
706100	TNT-07	193	78	155	172	58	5	3-M10×1.5P	73	31	38	11	20	12	3200	Ø8~Ø235	Ø66~Ø235	14.4	
706102	TNT-09	233	85	190	210	70	5.5	3-M12×1.75P	95	35	40	12	25	14	2800	Ø11~Ø280	Ø85~Ø280	22.3	

齿式三爪钢壳夹头 3-JAW STEEL BODY CHUCKS

订购编码 Order Number	型号 MODEL	A	B	C	D	E	F	G	H	J	K	L	M	R	最高转速 Max. Speed r.p.m.(min ⁻¹)	把握范围 Max. Gripping Diameter		净重 Weight(kg)	单价 Price
																外径把握 O.D.Clamping(mm)	内径把握 I.D.Clamping(mm)		
706200	NT-07	193	78	155	172	58	5	3-M10×1.5P	78	28	48	11	20	12	3200	Ø8~Ø235	Ø66~Ø235	13.1	
706202	NT-09	233	85	190	210	70	5.5	3-M12×1.75P	92	32	52	12	25	14	2800	Ø11~Ø280	Ø85~Ø280	21.2	
706204	NT-10	273	91	230	250	89	5.5	3-M12×1.75P	101.5	37	56	12	30	16	2400	Ø12~Ø330	Ø92~Ø330	30.5	
706206	NT-12	310	104	260	285	105	7	3-M12×1.75P	116	47	67	14	30	21	2100	Ø15~Ø370	Ø104~Ø370	46.1	

可调式普通型三爪钢壳夹头 3-JAW ADJUSTMENT STEEL BODY SCROLL CHUCKS



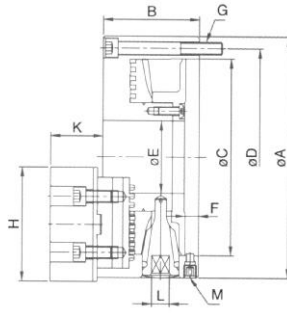
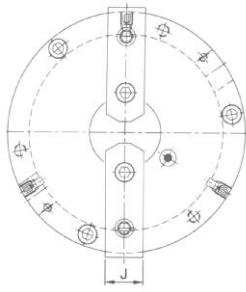
订购编码 Order Number	型号 MODEL	A	B	C	D	E	F	G	H	J	K	L	M	最高转速 Max. Speed r.p.m.(min ⁻¹)	把握范围 Max. Gripping Diameter		净重 Weight(kg)	单价 Price
															外径把握 O.D.Clamping(mm)	内径把握 I.D.Clamping(mm)		
706400	CT-06	167	75.5	130	147	45	12	3-M10×1.5P	65	22	28	10	3-M12×1.75P	4000	Ø4~Ø160	Ø48~Ø150	10.4	
706402	CT-07	193	85	155	172	58	12	3-M10×1.5P	75	24	28.5	11	3-M12×1.75P	3500	Ø4~Ø180	Ø56~Ø170	12.9	
706404	CT-09	233	92	190	210	70	12.5	3-M12×1.75P	85	28	33	12	3-M12×1.75P	2900	Ø5~Ø220	Ø62~Ø210	20.4	
706406	CT-10	275	98	230	250	89	12.5	3-M12×1.75P	98	30	38	12	3-M12×1.75P	2500	Ø6~Ø260	Ø70~Ø250	29.3	
706408	CT-12	310	111	260	285	105	14	3-M12×1.75P	110	32	45	14	3-M12×1.75P	2200	Ø10~Ø300	Ø86~Ø290	43.7	

可调式普通型四爪钢壳夹头 4-JAW ADJUSTMENT STEEL BODY SCROLL CHUCKS

订购编码 Order Number	型号 MODEL	A	B	C	D	E	F	G	H	J	K	L	M	最高转速 Max. Speed r.p.m.(min ⁻¹)	把握范围 Max. Gripping Diameter		净重 Weight(kg)	单价 Price
															外径把握 O.D.Clamping(mm)	内径把握 I.D.Clamping(mm)		
706500	FCT-07	193	85	155	172	58	12	3-M10×1.5P	75	24	28.5	11	3-M12×1.75P	3500	Ø4~Ø180	Ø56~Ø170	13.2	
706502	FCT-09	233	92	190	210	70	12.5	3-M12×1.75P	85	28	33	12	3-M12×1.75P	2900	Ø5~Ø220	Ø62~Ø210	20.7	
706504	FCT-10	275	98	230	250	89	12.5	3-M12×1.75P	98	30	38	12	3-M12×1.75P	2500	Ø6~Ø260	Ø70~Ø250	29.8	
706506	FCT-12	310	111	260	285	105	14	3-M12×1.75P	110	32	45	14	3-M12×1.75P	2200	Ø10~Ø300	Ø86~Ø290	44.4	

可调式强力型二爪钢壳夹头

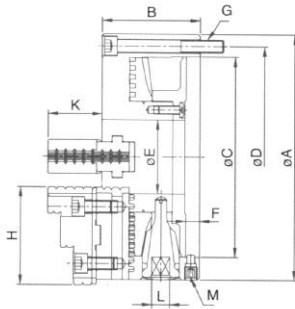
2-JAW POWERFUL TYPE ADJUSTMENT STEEL BODY CHUCKS



订购编码 Order Number	型号 MODEL	A	B	C	D	E	F	G	H	J	K	L	M	最高回转速 Max. Speed r.p.m.(min ⁻¹)	把握范围 Max. Gripping Diameter 外径把握 O.D. Clamping(mm) 内径把握 I.D. Clamping(mm)	净重 Weight (kg)	单价 Price
706600	TKT-06	167	75.5	130	147	45	12	3-M10×1.5P	73	26	40.5	10	3-M12×1.75P	4000	Ø4~Ø160 Ø48~Ø150	10.4	
706602	TKT-07	193	85	155	172	58	12	3-M10×1.5P	95	31	49.5	11	3-M12×1.75P	3500	Ø4~Ø180 Ø56~Ø170	14.46	
706604	TKT-09	233	92	190	210	70	12.5	3-M12×1.75P	110	37	50	12	3-M12×1.75P	2900	Ø5~Ø220 Ø62~Ø210	22.4	

可调式强力型三爪钢壳夹头

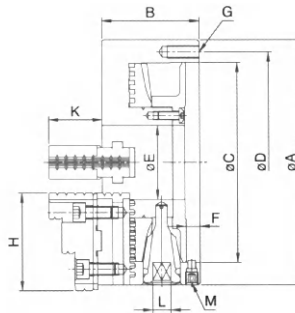
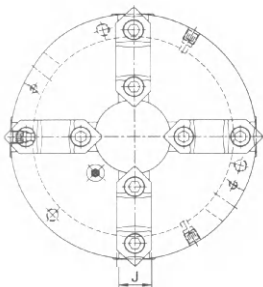
3-JAW POWERFUL TYPE ADJUSTMENT STEEL BODY CHUCKS



订购编码 Order Number	型号 MODEL	A	B	C	D	E	F	G	H	J	K	L	M	最高回转速 Max. Speed r.p.m.(min ⁻¹)	把握范围 Max. Gripping Diameter 外径把握 O.D. Clamping(mm) 内径把握 I.D. Clamping(mm)	净重 Weight (kg)	单价 Price
701670	KT-06	167	75.5	130	147	45	12	3-M10×1.5P	68	26	40	10	3-M12×1.75P	4000	Ø8~Ø160 Ø55~Ø150	9.7	
706702	KT-07	193	85	155	172	58	12	3-M10×1.5P	82	28	43	11	3-M12×1.75P	3500	Ø8~Ø180 Ø62~Ø170	13.6	
706704	KT-09	233	92	190	210	70	12.5	3-M12×1.75P	93	32	51	12	3-M12×1.75P	2900	Ø11~Ø220 Ø70~Ø210	21.5	
706706	KT-10	275	98	230	250	89	12.5	3-M12×1.75P	102	35	54	12	3-M12×1.75P	2500	Ø12~Ø260 Ø80~Ø250	30.4	
706708	KT-12	310	111	260	285	105	14	3-M12×1.75P	118	40	58	14	3-M12×1.75P	2200	Ø15~Ø300 Ø90~Ø290	45.4	

可调式强力型四爪钢壳夹头

4-JAW POWERFUL TYPE ADJUSTMENT STEEL BODY CHUCKS



订购编码 Order Number	型号 MODEL	A	B	C	D	E	F	G	H	J	K	L	M	最高回转速 Max. Speed r.p.m.(min ⁻¹)	把握范围 Max. Gripping Diameter 外径把握 O.D. Clamping(mm) 内径把握 I.D. Clamping(mm)	净重 Weight (kg)	单价 Price
706800	FKT-07	193	85	155	172	58	12	3-M10×1.5P	82	28	43	11	3-M12×1.75P	3500	Ø8~Ø180 Ø62~Ø170	14.1	
706802	FKT-09	233	92	190	210	70	12.5	3-M12×1.75P	93	32	51	12	3-M12×1.75P	2900	Ø11~Ø220 Ø70~Ø210	22	
706804	FKT-10	275	98	230	250	89	12.5	3-M12×1.75P	102	35	54	12	3-M12×1.75P	2500	Ø12~Ø260 Ø80~Ø250	33.5	
706806	FKT-12	310	111	260	285	105	14	3-M12×1.75P	118	40	58	14	3-M12×1.75P	2200	Ø15~Ø300 Ø90~Ø290	46.1	

中空卡盘

中实卡盘

立式卡盘

气动卡盘

生爪硬爪

车床刀套

刀座

精密夹头

手动卡盘

顶针

铣床虎钳配件

磨床磁盘

工具万力

线割配件

机床工具

车床卡盘

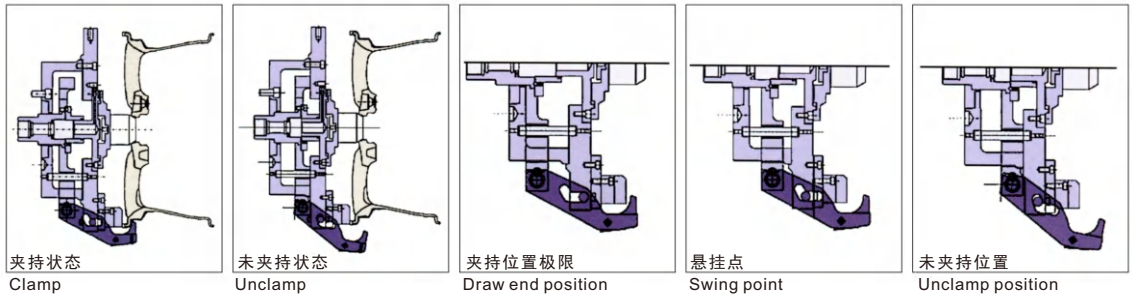
铣床虎钳

磨床磁盘

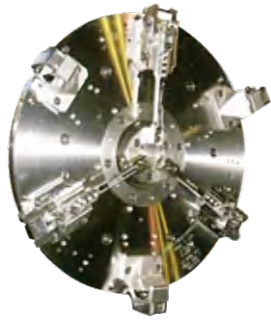
线割配件

机械工具

轮毂夹头



Wheel Diameter 轮圈直径	Chuck Diameter 夹盘直径			
	WTi-310	US-1420	LPS	US-1524
25"				
24"				
22"				
21"				
20"				
19"	WTi-310	US-1420	LPS	US-1524
18"	客车、小型卡车 (Passenger Car.	客车、小型卡车 (Passenger Car.	客车、小型卡车 (Passenger Car.	小型卡车、卡车、 巴士 (Light Truck, Truck.
17"	Light Truck)	Light Truck)	Light Truck)	巴士 (Light Truck, Truck.
16"	2800rpm	2800rpm	2800rpm	Bus) (Bus)
15"	Min.14" Max.20.5"	Min.14" Max.20.5"	Min.15" Max.20.5"	2200rpm 2200rpm
14"				Min.15" Max.24.5" Min.15" Max.24.5"
13"				
12"				
11"				
10"				



标准和轻型系列

本系列共有四种型号满足各类轮圈制造需求，WTi 适用于制造汽车和小型卡车的轮圈，外径范围149到209mm。卡车和公车轮圈最大范围可到24.59寸。请联络本公司取得最理想的夹持方案。轻型化的US系列夹头可延长主轮寿命，同时加速加工周期时间。选配的零件侦测系统由三个空气活化活塞组成，其作用为感应工件是否安装正确，作为自动化机器人手臂加工应用的基本元件。

Standard and Lightweight Series

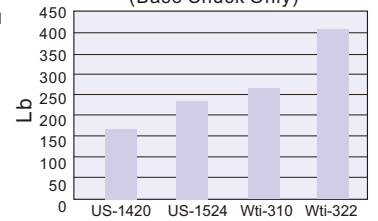
This chuck, available in four models. Does it all. The WTi fits automobile and light truck wheels 149 to 209. truck and bus wheels up to 24.59. Contact LMC Workholding for the optimum clamping solution. US Series chucks are lightweight for increased spindle life and faster cycle times.

Optional part detection system, consisting of three air-activated plungers, senses whether or not the workpiece is properly seated, an essential component for any automatic/robot loaded application.

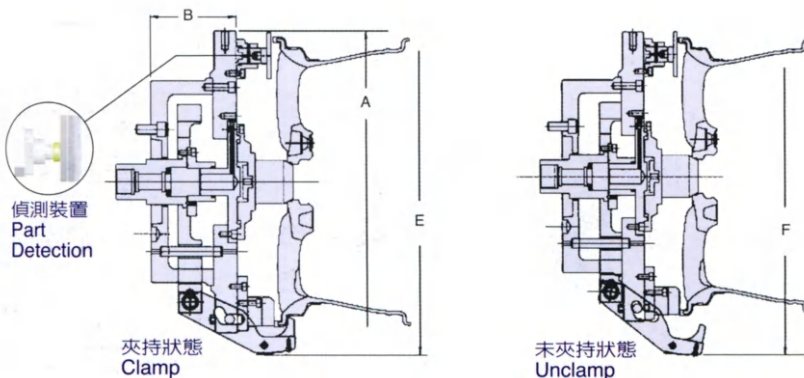
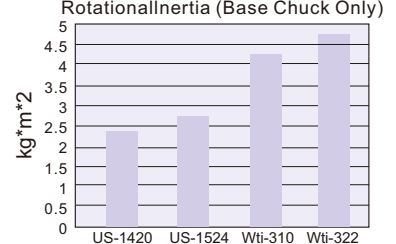
新一代凸轮手臂设计 Next-generation cam arm design



夹头重量 Weight (Base Chuck Only)



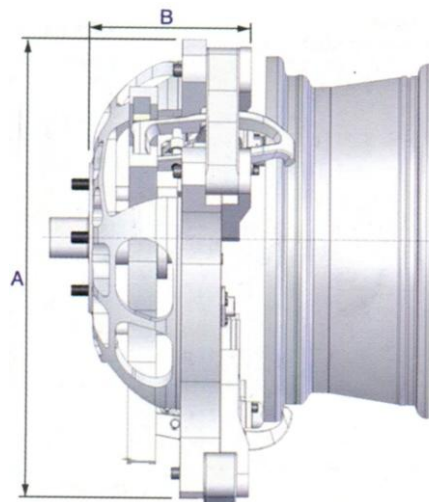
转动惯性 (仅夹头) Rotational Inertia (Base Chuck Only)



型号 Model Number	轮圈外径范围 Capacity Wheel Diameter	最高转速 RPMs (max)	拉杆拉力 Drawbar Pull (lbs)	拉杆行程 Drawbar Stroke (in/mm)	主轴鼻端 Spindle Mount	夹盘重量 Chuck Weight (lbs)	A尺寸 A Dia (in/mm)	B尺寸 B Dia (in/mm)		
WTi-310/US-1420	14 to 20	2800	7700	1.38/35	A2-8	264/160	21.50/546.2	5.90/149.7		
WTi-322/US-1524	15 to 24.5	2200	7700	1.38/35	A2-11	410/240	26.00/660.0	7.85/199.5		
型号 Model Number	SS-3/4EX		S-3/4EX		L-3/4EX		XL-3/4EX		Z-3/4EX*	
	E	F	E	F	E	F	E	F	E	F
WTi-310/US-1420	21.5/547	22.4/570	21.5/547	23.0/584	22.0/559	24.1/611	23.1/587	25.0/634	24.3/618	26.2/665
WTi-322/US-1524	26.0/660	26.5/673	26.0/660	27.5/698	26.6/675	28.5/724	27.6/702	29.5/749	28.6/727	30.5/774



应用实例 >> Operation Example



规格表 >> Specifications

型号 Model Number	轮圈外径范围 Capacity Wheel Diameter	最高转速 RPM's(max)	拉杆拉力 Drawbar Pull(lbs)	拉杆行程 Drawbar Stroke(in/mm)
LPS-1520	15" to 20"	2800	7700	1.38/35

型号 Model Number	主轴鼻端 Spindle Mount	夹盘净重 Chuck Weight(lbs)	A尺寸 A Dia(in/mm)	B尺寸 B Dia(in/mm)
LPS-1520	A2-8	300	29.45/748.0	7.32/186.0

轮毂夹头专用油缸



夹头制动器 / 油压缸

LMC Workholding提供两种为轮壳夹头特别设计的夹头制动器，这两种油压缸具有理想的油压系统压力装置，让夹头以最快得速度夹持和放松，而较短，较轻的设计有利於车床加速和减速，改善机器性能。

2R 120 为单动油压缸，适用于配合中宝车床心轴或弹簧片，以求轮圈中心 RNW 为双气缸油压缸，适合启动套筒夹头或小尺寸三爪夹头，可求轮圈中心。

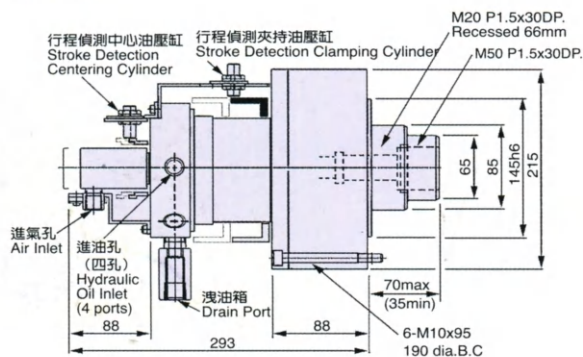
Chuck Actuators

LMC Workholding offers two chuck actuators specifically designed for wheel chuck applications like yours. These hydraulic cylinders offer optimum hydraulic system pressure settings for the fastest clamping/unclamping action available. And their shorter lengths and lighter weights enhance lathe acceleration and deceleration while improving machine dynamics.

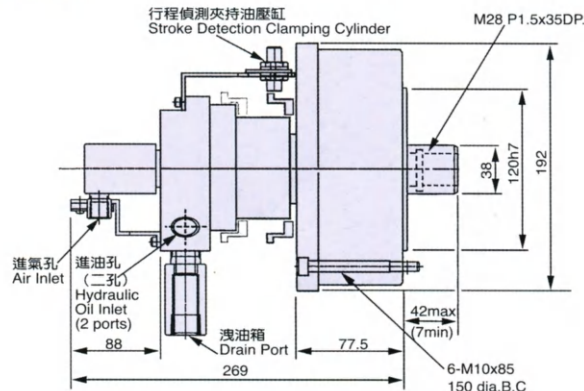
Model 2R 120 is a single-motion cylinder ideal for applications that use solid mandrels or spring rings for wheel centering. RNW is a dual-function cylinder that is ideal for applications that actuate a collet or a small three-jaw chuck for wheel centering.

尺寸图 >> Dimensions

RNW 40



2R 120



规格表 >> Specifications

型号 Model Number	长度 Length (mm)	行程时间 Stroke Time(sec)	夹持油压缸 Clamping Cylinder	
			口径×行程 Bore×Stroke(mm)	活塞面积 Piston Area(in ² /cm ²)
2R-120	269	1.6	120×35	15.8/102
RNW 40	293	2.3(0.4)	146×35	17.2/111

型号 Model Number	中心油压缸 Centering Cylinder		最大推力 Max. oper. Pressure (b/in ² -kgf/cm ²)	最高转速 RPMs (Max)	油压缸净重 Cylinder Weight (lbs)
	口径×行程 Bore×Stroke(mm)	活塞面积 Piston Area(in ² /cm ²)			
2R-120	n/a	n/a	568/40	5000	33
RNW 40	50×12	1.2/8	568/40	4000	50

中空卡盘

中实卡盘

立式卡盘

气动卡盘

生爪硬爪

车床刀套

刀座

精密夹头

手动卡盘

顶针

铣床虎钳配件

磨床磁盘

工具万力

线割配件

机床工具

车床卡盘

铣床虎钳

磨床磁盘

线割配件

机械工具

中空卡盘 标准型回转顶尖 STANDARD LIVE CENTER

中空卡盘

立式卡盘

气动卡盘

生爪硬爪

车床刀套

刀座

精密夹头

手动卡盘

顶针

铣床虎钳配件

磨床磁盘

工具万力

线割配件

机床工具

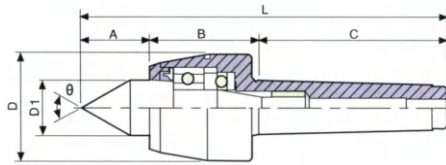
车床卡盘

铣床虎钳

磨床磁盘

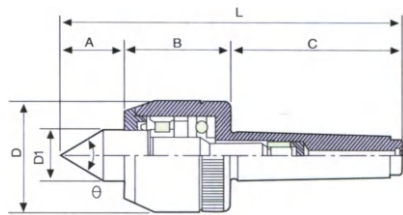
线割配件

机械工具



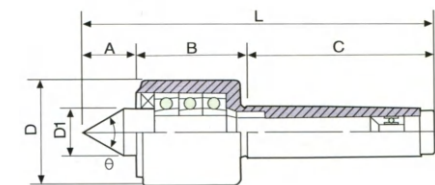
编码 Order	规格型号 Model	A	B	C	D	D1	d	L	Co精度 Accuracy	θ	G.W.重量 Weight kgs	合金尖	标准尖	细长尖	单价 Price
709100	BZ-MT.3H	39	55	86	53	30	-	180	0.005	60°	1.28kgs	合金尖			
709102	BZ-MT.4H	42	62	108	63	32	-	208	0.005	60°	2.20kgs				
709104	BZ-MT.5H	49	71	136	83	40	-	256	0.005	60°	4.33kgs				
709106	BZ-MT.5H	80	110	189	128	70	-	379	0.008	60°	14.2kgs				
709108	BZ-MT.1B	17	43	70	35	15	-	120	0.005	60°	0.75kgs	标准尖			
709110	BZ-MT.2B	24	41	80	45	20	-	145	0.005	60°	0.95kgs				
709112	BZ-MT.3B	39	55	86	53	30	-	180	0.005	60°	1.28kgs				
709114	BZ-MT.4B	42	62	108	63	32	-	208	0.005	60°	2.20kgs				
709116	BZ-MT.5B	49	71	136	83	40	-	256	0.005	60°	4.33kgs				
709118	BZ-MT.6B	80	110	189	128	70	-	379	0.008	60°	14.2kgs				
709120	BZ-MT.3X	45	55	86	53	30	10	186	0.005	60°	1.28kgs	细长尖			
709122	BZ-MT.4X	52	62	108	63	32	12	218	0.005	60°	2.20kgs				
709124	BZ-MT.5X	59	71	136	83	40	14	266	0.005	60°	4.42kgs				

标准重型回转顶尖 STANDARD HEAVY-DUTY LIVE CENTER



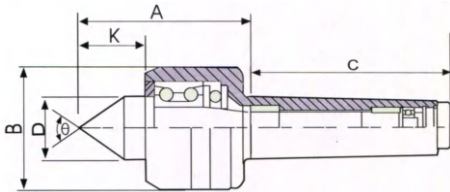
编码 Order	规格型号 Model	A	B	C	D	D1	d	L	Co精度 Accuracy	θ	G.W.重量 Weight kgs	合金尖	标准尖	单价 Price	
709200	ZXB-MT.3H	35	65	86	64	25	-	186	0.005	60°	1.9kgs	合金尖			
709202	ZXB-MT.4H	41	74	108	73	32	-	223	0.005	60°	2.85kgs				
709204	ZXB-MT.5H	49	78	136	94	40	-	263	0.005	60°	5.6kgs				
709206	ZXB-MT.3B	35	65	86	64	25	-	186	0.005	60°	1.9kgs	标准尖			
709208	ZXB-MT.4B	41	74	108	73	32	-	223	0.005	60°	2.85kgs				
709210	ZXB-MT.5B	49	78	136	94	40	-	263	0.005	60°	5.6kgs				

精密高速回转顶尖 HIGH-SPEED PRECISION LIVE CENTER



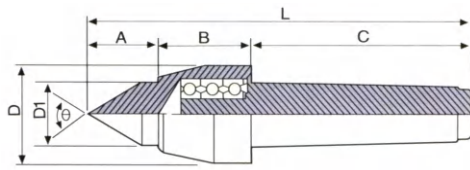
编码 Order	规格型号 Model	A	B	C	D	D1	d	L	Co精度 Accuracy	θ	G.W.重量 Weight kgs	合金尖	标准尖	细长尖	单价 Price
709300	GS-MT.3H	38	58	86	48	30	-	182	0.005	60°	1.25kgs	合金尖			
709302	GS-MT.4H	45	65	108	62	32	-	215	0.005	60°	2.22kgs				
709304	GS-MT.5H	50	70	136	72	40	-	256	0.005	60°	3.60kgs				
709306	GS-MT.3B	38	58	86	48	30	-	182	0.005	60°	1.25kgs	标准尖			
709308	GS-MT.4B	45	65	108	62	32	-	215	0.005	60°	2.22kgs				
709310	GS-MT.5B	50	70	136	72	40	-	256	0.005	60°	3.60kgs				
709312	GS-MT.3C	48	58	86	48	30	10	192	0.005	60°	1.28kgs	细长尖			
709314	GS-MT.4C	52	65	108	62	32	12	225	0.005	60°	2.26kgs				
709316	GS-MT.5C	60	70	136	72	40	14	266	0.005	60°	3.66kgs				

大型重载顶尖 LARGE-DUTY LIVE CENTER



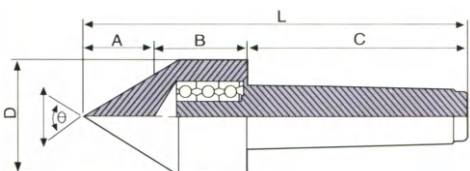
编码 Order	规格型号 Model	MT6-6T	MT6-8T	MT6-10T	M80-8T	M80-10T	M80-12T	单价 Price
709400	允许承载工件重量(kg)	6000	8000	10000	8000	10000	12000	
709402	定心精度(mm)	0.01	0.01	0.01	0.01	0.01	0.01	
709404	A	196	215	215	196	215	257	
709406	B	140	160	180	160	180	200	
709408	D	60	70	80	70	80	85	
709410	K	62	68	77	68	77	86	
709412	θ	60°	60°	60°	60°	60°	60°	

外旋回顶尖 SIDES LIVE CENTER



编码 Order	规格型号 Model	A	B	C	D	D1	d	L	Co精度 Accuracy	θ	G.W.重量 Weight kgs		单价 Price
709500	WX-MT.3H	39	55	86	53	45	-	180	0.005	60°	1.28kgs	合金尖	
709502	WX-MT.4H	42	62	108	63	53	-	208	0.005	60°	2.20kgs		
709504	WX-MT.5H	49	71	136	83	68	-	256	0.005	60°	4.33kgs		
709506	WX-MT.3B	39	55	86	53	45	-	180	0.005	60°	1.28kgs	标准尖	
709508	WX-MT.4B	42	62	108	63	53	-	208	0.005	60°	2.20kgs		
709510	WX-MT.5B	49	71	136	83	68	-	256	0.005	60°	4.33kgs		
709512	WX-MT.3X	45	55	86	53	45	10	186	0.005	60°	1.28kgs	细长尖	
709514	WX-MT.4X	52	62	108	63	53	12	218	0.005	60°	2.20kgs		
709516	WX-MT.5X	59	71	136	83	68	14	266	0.005	60°	4.42kgs		

外旋回顶尖 SIDES LIVE CENTER



编码 Order	规格型号 Model	A	B	C	D	D1	d	L	Co精度 Accuracy	θ	G.W.重量 Weight kgs		单价 Price
709600	WX-MT.3C	28	55	86	60	-	-	169	0.005	60°	1.8kgs	标准尖	
709602	WX-MT.4C	30	62	108	80	-	-	196	0.005	60°	2.4kgs		
709604	WX-MT.5C	34	71	136	120	-	-	266	0.005	60°	5.0kgs		

中空卡盘

中实卡盘

立式卡盘

气动卡盘

生爪硬爪

车床刀套

刀座

精密夹头

手动卡盘

顶针

铣床虎钳配件

磨床磁盘

工具万力

线割配件

机床工具

车床卡盘

铣床虎钳

磨床磁盘

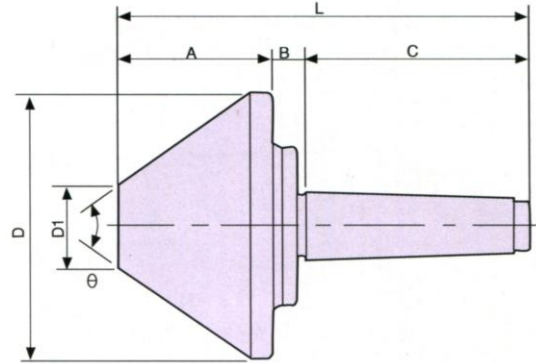
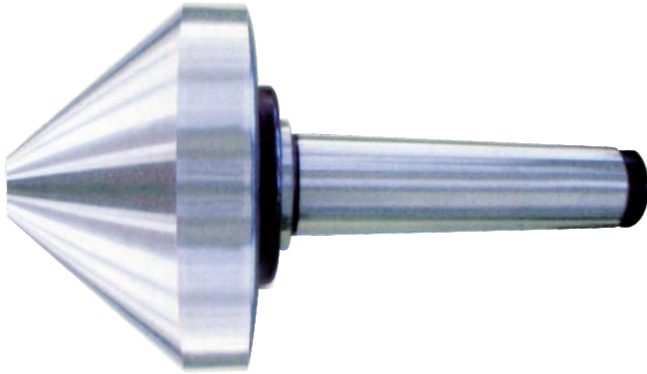
线割配件

机械工具

机械工具

- 中空卡盘
- 中实卡盘
- 立式卡盘
- 气动卡盘
- 生爪硬爪
- 车床刀套
- 刀座
- 精密夹头
- 手动车盘
- 顶针

回转顶尖系列 LIVE CENTER



- 铣床虎钳配件

伞型顶尖 BULL NOSE CENTER

编码 Order	规格型号 Model	A	B	C	D	D1	L	Co精度 Accuracy	θ	G.W.重量 Weight kgs	单价 Price
709700	SX 63-MT.2	46	17	69	60	12	132	0.005	60°	0.9kgs	
709702	SX 63-MT.3	46	17	86	60	12	149	0.005	60°	1.0kgs	
709704	SX 78-MT.3	52	18	86	80	15	156	0.005	70°	1.3kgs	
709706	SX 106-MT.3	59	16	86	100	25	161	0.008	70°	2.7kgs	
709708	SX 63-MT.4	46	17	108	60	12	171	0.005	60°	1.0kgs	
709710	SX 78-MT.4	52	18	108	80	15	178	0.005	70°	1.45kgs	
709712	SX 106-MT.4	59	16	108	100	25	183	0.008	70°	3.0kgs	
709714	SX 128-MT.4	73	12	108	130	40	193	0.008	70°	4.8kgs	
709716	SX 156-MT.4	88	12	108	150	45	208	0.010	70°	7.6kgs	
709718	SX 206-MT.4	98	12	108	200	81	218	0.010	70°	17kgs	
709720	SX 258-MT.4	107	13	108	250	92	228	0.015	80°	27kgs	
709722	SX 128-MT.5	73	12	136	130	40	221	0.008	70°	5.8kgs	
709724	SX 156-MT.5	88	12	136	150	45	236	0.010	70°	8.5kgs	
709726	SX 206-MT.5	98	12	136	200	81	246	0.015	70°	18kgs	
709728	SX 258-MT.5	107	13	136	250	92	256	0.015	80°	28kgs	
709730	SX 306-MT.5	107	30	136	300	120	273	0.020	90°	37.5kgs	
709732	SX 206-MT.6	98	12	190	200	81	300	0.010	70°	20.6kgs	
709734	SX 258-MT.6	107	13	190	250	92	310	0.015	80°	30.6kgs	
709736	SX 306-MT.6	107	30	190	300	120	327	0.020	90°	40kgs	

- 车床卡盘

- 铣床虎钳

- 磨床磁盘

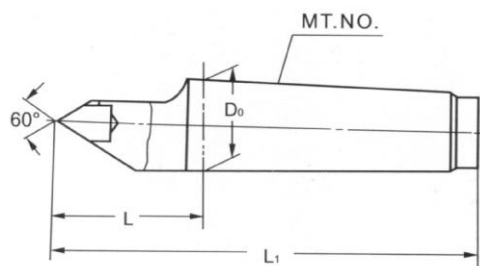
- 线割配件

- 机械工具

固定顶尖系列

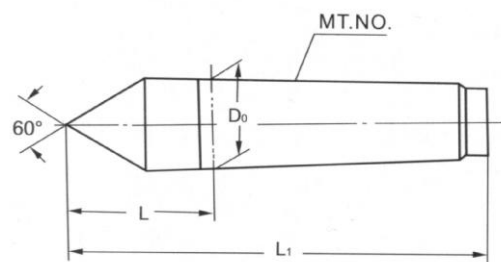
DEAD CENTER

半缺顶尖(镶硬质合金) CARBIDE HALF-NOTCHED CENTER



编码 Order	型号、规格 Model & Specification	锥度号 Taper	do	D1	L1	单价 Price
709800	BQDJ-D142	MT.2	17.780	36	100	100
709802	BQDJ-D143	MT.3	23.825	44	125	125
709804	BQDJ-D144	MT.4	31.267	58	160	160
709806	BQDJ-D145	MT.5	44.399	70	200	200
709808	BQDJ-D146	MT.6	63.348	98	280	280

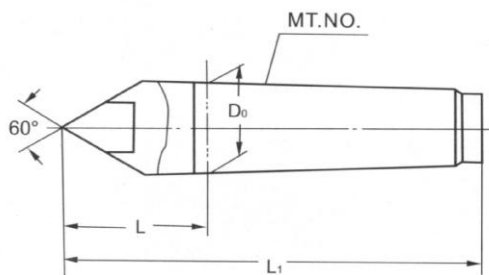
固定顶尖 DEAD CENTER



编码 Order	型号、规格 Model & Specification		锥度号 Taper	do	D1	L1	单价 Price
	普通级 Ordinary Class	精密级 Accurate Class					
709810	GDDJ-D11-4	GDDJ-D11-4G	1:20	4	10	33	33
709812	GDDJ-D11-6	GDDJ-D11-6G		6	15	47	47
709814	GDDJ-D11-80	GDDJ-D11-80G		80	119	315	315
709816	GDDJ-D11-100	GDDJ-D11-100G		100	128	360	360
709818	GDDJ-D110	GDDJ-D110G	MT.0	9.045	20	70	70
709820	GDDJ-D111	GDDJ-D111G	MT.1	12.065	26	80	80
709822	GDDJ-D112	GDDJ-D112G	MT.2	17.780	36	100	100
709824	GDDJ-D113	GDDJ-D113G	MT.3	23.825	44	125	125
709826	GDDJ-D114	GDDJ-D114G	MT.4	31.267	58	160	160
709828	GDDJ-D115	GDDJ-D115G	MT.5	44.399	70	200	200
709830	GDDJ-D116	GDDJ-D116G	MT.6	63.348	98	280	280

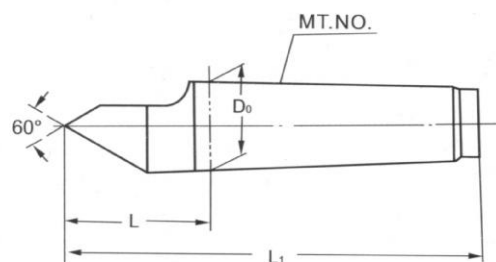
固定顶尖(镶硬质合金)

CARBIDE DEAD CENTER



编码 Order	型号、规格 Model & Specification	锥度号 Taper	do	D1	L1	单价 Price
709840	GDDJ-D121	MT.1	12.065	26	80	80
709842	GDDJ-D122	MT.2	17.780	36	100	100
709844	GDDJ-D123	MT.3	23.825	44	125	125
709846	GDDJ-D124	MT.4	31.267	58	160	160
709848	GDDJ-D125	MT.5	44.399	70	200	200
709850	GDDJ-D126	MT.6	63.348	98	280	280

半缺顶尖 HALF-NOTCHED CENTER



编码 Order	型号、规格 Model & Specification		锥度号 Taper	do	D1	L1	单价 Price
	普通级 Ordinary Class	精密级 Accurate Class					
709852	BQDJ-D130	DM130	MT.0	9.045	20	70	70
709854	BQDJ-D131	DM131	MT.1	12.065	26	80	80
709856	BQDJ-D132	DM132	MT.2	17.780	36	100	100
709858	BQDJ-D133	DM133	MT.3	23.825	44	125	125
709860	BQDJ-D134	DM134	MT.4	31.267	58	160	160
709862	BQDJ-D135	DM135	MT.4	44.399	70	200	200
709864	BQDJ-D136	Dm136	MT.6	63.348	98	280	280

中空卡盘

中实卡盘

立式卡盘

气动卡盘

生爪硬爪

车床刀套

刀座

精密夹头

手动卡盘

顶针

铣床虎钳配件

磨床磁盘

工具万力

线割配件

机床工具

车床卡盘

铣床虎钳

磨床磁盘

线割配件

机械工具

铣床虎钳/分度盘

Milling machine vice / index plate

CNC数控分度盘	CNC数控分度盘	CNC数控分度盘	CNC数控分度盘	手动尾座	圆盘尾座	四轴圆盘尾座	HYU-301.PCH
N03  分度盘 高精度分度盘 铣床配件	N05  分度盘 高精度分度盘 铣床配件	N07  分度盘 大型四轴 铣床配件	N09  分度盘 五轴 铣床配件	N11  手动尾座 可使用进口轴承零件 铣床配件	N11  手动尾座 更侧重切削 铣床配件	N12  四轴圆盘尾座 FD系列尾座 铣床配件	N13  四轴圆盘尾座 铣削加工 铣床配件
空油转换器	油压虎钳	电控磁盘	可倾斜虎钳	角固式虎钳	角固光面直角	角固光面虎钳	平面油压虎钳
N13  空油转换器 标准附件 铣床配件	N15  液压虎钳 油压精密虎钳 铣床配件	N16  铣床虎钳 电控磁盘 铣床配件	N16  铣床虎钳 可倾斜虎钳 铣床配件	N16  铣床虎钳 角固式虎钳 铣床配件	N16  铣床虎钳 角固式光面直角虎钳 铣床配件	N16  铣床虎钳 角固光面虎钳 铣床配件	N16  铣床虎钳 平面油压虎钳 铣床配件
双向油压虎钳	倍力内藏油压	高级倍力外藏	向量光面直角	倍力光面直角	双向向量虎钳	超高压气动虎钳	万能分度头
N17  铣床虎钳 双向油压虎钳 铣床配件	N17  铣床虎钳 倍力内藏增压虎钳 铣床配件	N17  铣床虎钳 高级倍力外藏式增压 铣床配件	N17  铣床虎钳 向量式光面直角 铣床配件	N17  铣床虎钳 倍力增压光面直角 铣床配件	N17  液压虎钳 双向向量式虎钳 铣床配件	N17  气压虎钳 增压器型超高压虎钳 铣床配件	N18  分度盘 万能分度头 铣床配件
横立两用分度盘	尾座	可调倾斜角度	万能倾斜分度				
N18  分度盘 横立两用分度盘 铣床配件	N18  分度盘 尾座 铣床配件	N18  分度盘 可调倾斜角度盘 铣床配件	N18  分度盘 万能倾斜分度盘 铣床配件				

中空卡盘

中实卡盘

立式卡盘

气动卡盘

生爪硬爪

车床刀套

刀座

精密夹头

手动卡盘

顶针

铣床虎钳配件

磨床磁盘

工具万力

线割配件

机床工具

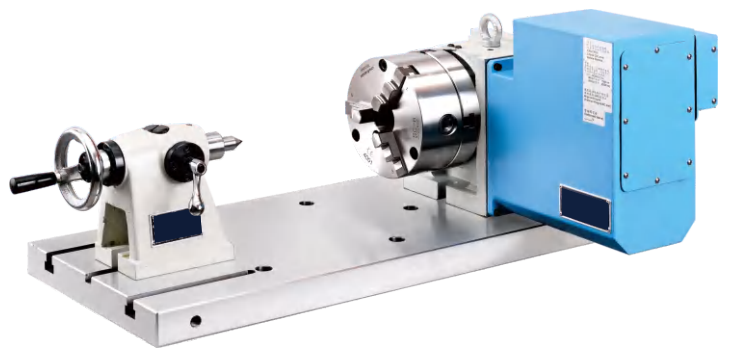
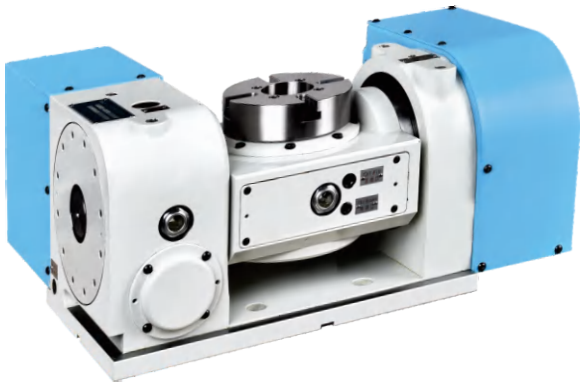
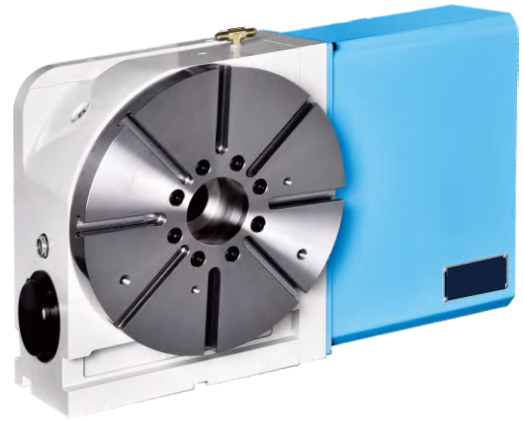
车床卡盘

铣床虎钳

磨床磁盘

线割配件

机械工具



中空卡盘

中实卡盘

立式卡盘

气动卡盘

生爪硬爪

车床刀套

刀座

精密夹头

手动卡盘

顶针

铣床虎钳配件

磨床磁盘

工具万力

线割配件

机床工具

车床卡盘

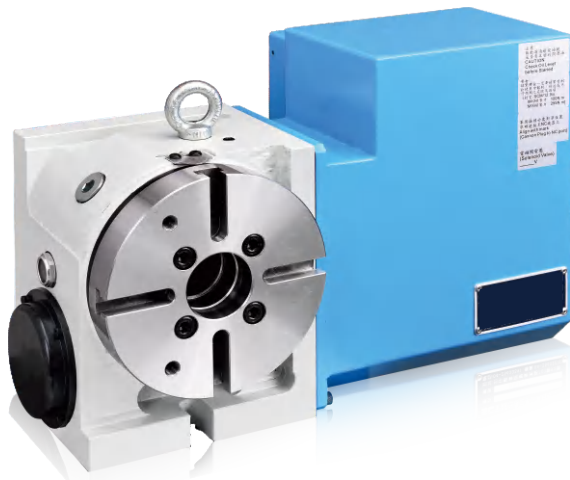
铣床虎钳

磨床磁盘

线割配件

机械工具

CNC数控分度盘 4th axis cnc rotary table

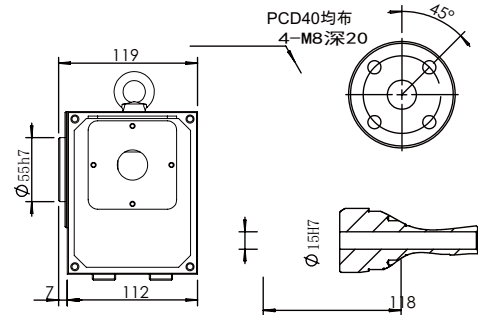
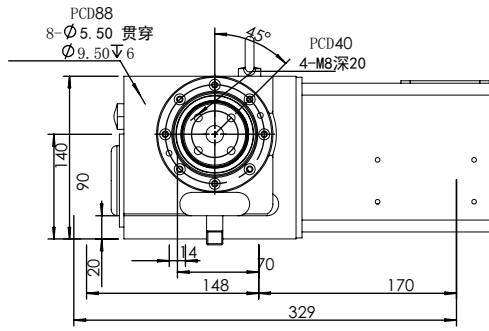


产品特点 Feature

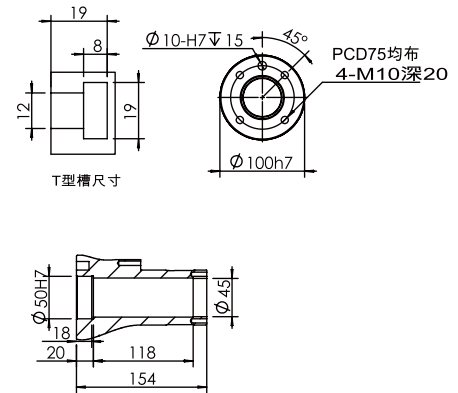
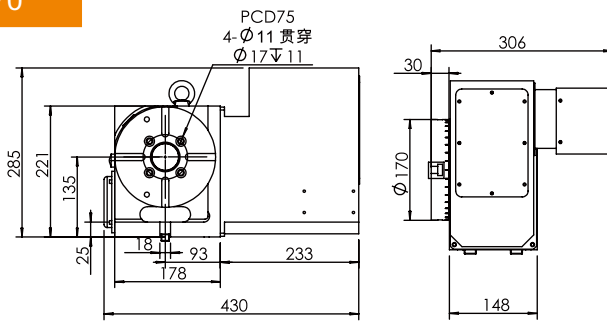
- 采用进口双导程蜗杆、蜗轮，蜗轮采用铝青铜合金，传动定位精度高。
- 蜗轮大小接近盘面大小，不偷工减料、刚性比同类产品要强30%-50%。
- 轴承使用交叉滚柱轴承，提高分度盘旋转的精度和刚性，可保长时间加工时不必担心产生次品。
- 气压锁紧采用全面刹车之锁紧方式，加大锁紧力，确保耐重切削加工。
- 部分机型有大孔径与左手型可供选择。
- It adopts imported dual-lead worm and worm gear, the worm adopts aluminum bronze alloy, which has high transmission positioning precision.
- The size of the worm is close to the size of the disk, and it is over 30%-50% stronger than the similar products.
- The bearings use crossed roller bearings, improved the accuracy and rigidity of the indexing disc rotation, avoid long-term processing without worrying about defective products.
- The pneumatic locking adopts the full brake locking method to increase the locking force and ensure heavy-duty cutting.
- Some models are in large hole and with left handwheel versions.

型式 type		单位 Unit	MD-100	MD-170	MD-200	MD-255
盘面直径 Worktable diameter		mm	无盘面 No disc	Φ 170	Φ 200	Φ 250
盘面主轴中心孔 Spindle bore diameter		mm	--	Φ 50 ^{H7}	Φ 50 ^{H7}	Φ 75 ^{H7}
盘面主轴中心穿透孔 Through hole diameter		mm	Φ 15	Φ 45	Φ 45	Φ 50
水平放置总高 Center height with table top horizontal		mm	140	221	261	285
垂直放置中心高 Center height with table top vertical		mm	90	135	160	160
旋转轴盘面T型槽宽 Width of T slots		mm	--	12 ^{H7}	12 ^{H7}	12 ^{H7}
基准导块宽 Width of alignment key in mounting base		mm	12 ^{H7}	14 ^{H7}	18 ^{H7}	18 ^{H7}
锁紧装置使用压力 Clamp operation pressure		kg/cm ²	5(气压 Pneumatic)	5(气压 Pneumatic) 25(油压 Hydraulic)	5(气压 Pneumatic) 25(油压 Hydraulic)	5(气压 Pneumatic) 25(油压 Hydraulic)
适用环境温度 Ambient temperature		°C	18°~40°			
等分制最小角度 Mini input increment		degree	0.001°	0.001°	0.001°	0.001°
总齿数比 Gear ratio			1/40	1/72	1/72	1/144
转盘最高转速 Table speed	马达转速3000 Motor speed	r.p.m	X	X	X	20.8
	马达转速4000 Motor speed	r.p.m	100	44.4	44.4	X
伺服马达 (选配) Serve motor (optional)	FANUC	--	--	α 4i/B8i	α 4i/B8i	α 4i/B8i
	MITSUBISHI	--	--	HF-104S	HF-104S	HF-104S
	SIEMENS	--	--	1FK7060	1FK7060	1FK7063
分割精度 (累积值) Indexing accuracy(Cumulative value)		sec	40"	40"	30"	15"
重现精度 Repeatability accuracy		sec	± 2"	± 2"	± 2"	± 2"
容许负荷 (锁紧时) Permissible load (With table clamped)	F	N-m	6480	10800	14400	19600
	FxL	N-m	250	500	800	800
	FxL	N-m	380	780	1900	1900
容许积载荷重 Allowable load	0°	kg	75	150	200	250
	90°	kg	75(150)	100(200)	100(200)	125(250)
产品重量 Weight		kg	16	48	65	90

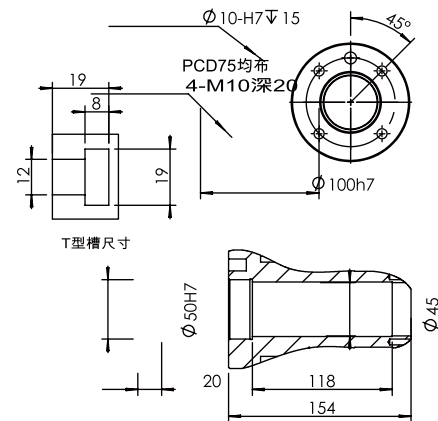
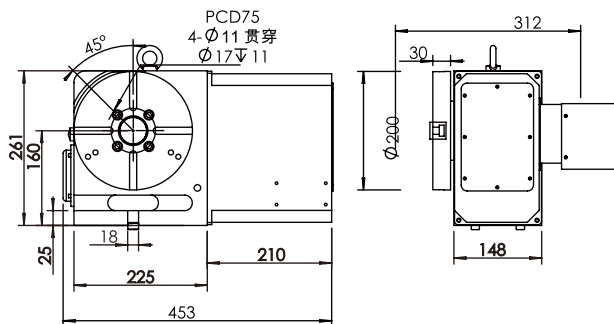
MD-100



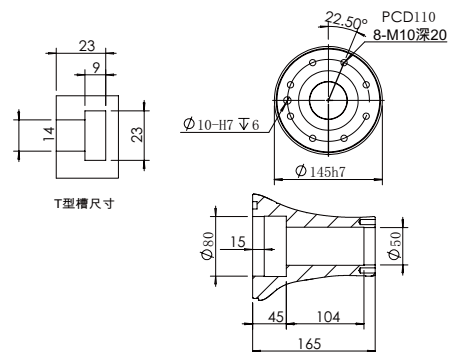
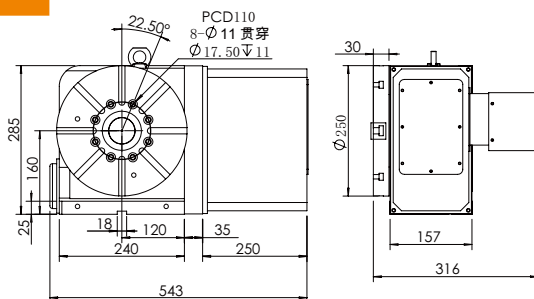
MD-170



MD-200



MD-255



中空卡盘

中实卡盘

立式卡盘

气动卡盘

生爪硬爪

车床刀套

刀座

精密夹头

手动卡盘

顶针

床虎钳配件

磨床磁盘

工具万力

线割配件

机床工具

车床卡盘

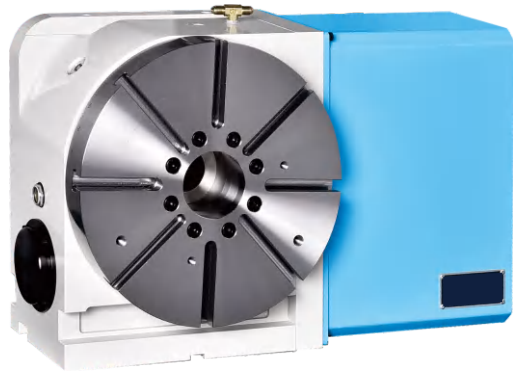
床虎钳

磨床磁盘

线割配件

机械工具

CNC数控分度盘 4th axis cnc rotary table



产品特点 Feature

- 采用进口双导程蜗杆、蜗轮，蜗轮采用铝青铜合金，传动定位精度高。
- 蜗轮大小接近盘面大小，不偷工减料、刚性比同类产品要强30%-50%。
- 轴承使用交叉滚柱轴承，提高分度盘旋转的精度和刚性，可保长时间加工时不必担心产生次品。
- 气压锁紧采用全面刹车之锁紧方式，加大锁紧力，确保耐重切削加工。
- 部分机型有大孔径与左手型可供选择。
- It adopts imported dual-lead worm and worm gear, the worm adopts aluminum bronze alloy, which has high transmission positioning precision.
- The size of the worm is close to the size of the disk, and it is over 30%-50% stronger than the similar products.
- The bearings use crossed roller bearings, improved the accuracy and rigidity of the indexing disc rotation, avoid long-term processing without worrying about defective products.
- The pneumatic locking adopts the full brake locking method to increase the locking force and ensure heavy-duty cutting.
- Some models are in large hole and with left handwheel versions.

型式 type		单位 Unit	MD-255HB	MD-320	MD-400	MD-500
盘面直径 Worktable diameter		mm	Φ255	Φ320	Φ400	Φ500
盘面主轴中心孔 Spindle bore diameter		mm	Φ50 ^{H7}	Φ75 ^{H7}	Φ90 ^{H7}	Φ200 ^{H7}
盘面主轴中心穿透孔 Through hole diameter		mm	36	Φ50	Φ42	Φ170
水平放置总高 Center height with table top horizontal		mm		370	456	565
垂直放置中心高 Center height with table top vertical		mm	160	210	255	310
旋转轴盘面T型槽宽 Width of T slots		mm	12 ^{H7}	14 ^{H7}	14 ^{H7}	18 ^{H7}
基准导块宽 Width of alignment key in mounting base		mm	18 ^{H7}	18 ^{H7}	18 ^{H7}	18 ^{H7}
锁紧装置使用压力 Clamp operation pressure		kg/cm ²	35 (油压 Hydraulic)	35 (油压 Hydraulic)	35 (油压 Hydraulic)	35 (油压 Hydraulic)
适用环境温度 Ambient temperature		°C	18°~40°			
等分分割最小角度 Mini input increment		degree	0.001°		0.001°	0.001°
总齿数比 Gear ratio			1/120	0.001°	1/120	1/180
转盘最高转速 Table speed	马达转速3000 Motor speed	r.p.m	33.3	1/144	25	16.6
	马达转速4000 Motor speed	r.p.m		20.8	--	--
伺服马达 (选配) Serve motor (optional)	FANUC	r.p.m	α iF4		α 12iB22i	α 12i
	MITSUBISHI			α4iB12i	HF-204S	HF-204S
	SIEMENS			HF-154S	1FK7083	1FK7083
分割精度 (累积值) Indexing accuracy(Cumulative value)			15"	1FK7063	15"	15"
重现精度 Repeatability accuracy		sec	±2"	15"	±2"	±2"
容许负荷 (锁紧时) Permissible load (With table clamped)	F	N-m	13720	±2" 19600	29400	22540
	FxL	N-m	490	800	2450	2450
	FxL	N-m	833	1900	3626	2450
容许积载荷重 Allowable load	0°	kg	250	350	400	800
	90°	kg	100	150	200	350
产品重量 Weight		kg	110	154	280	480

中空
卡盘

中实
卡盘

立式
卡盘

气动
卡盘

生爪
硬爪

车床
刀套

刀座

精密
夹头

手动
卡盘

顶针

铣床
虎钳
配件

磨床
磁盘

工具
万力

线割
配件

机床
工具

车床
卡盘

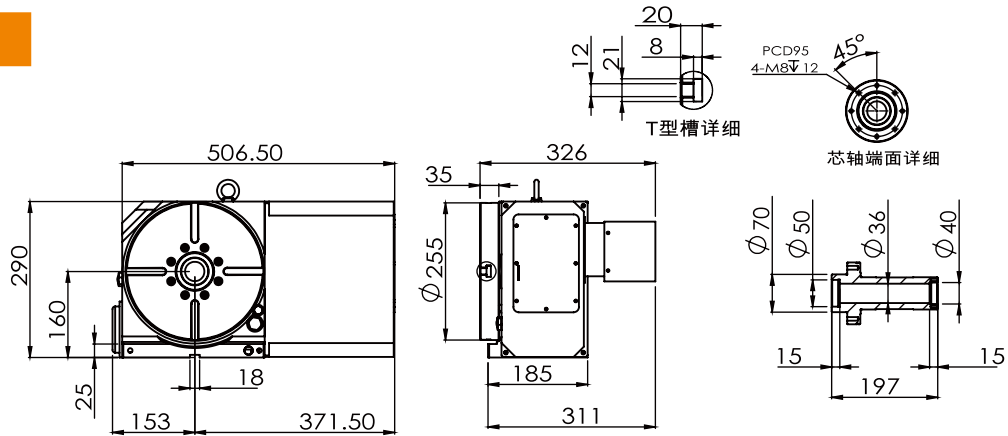
铣床
虎钳

磨床
磁盘

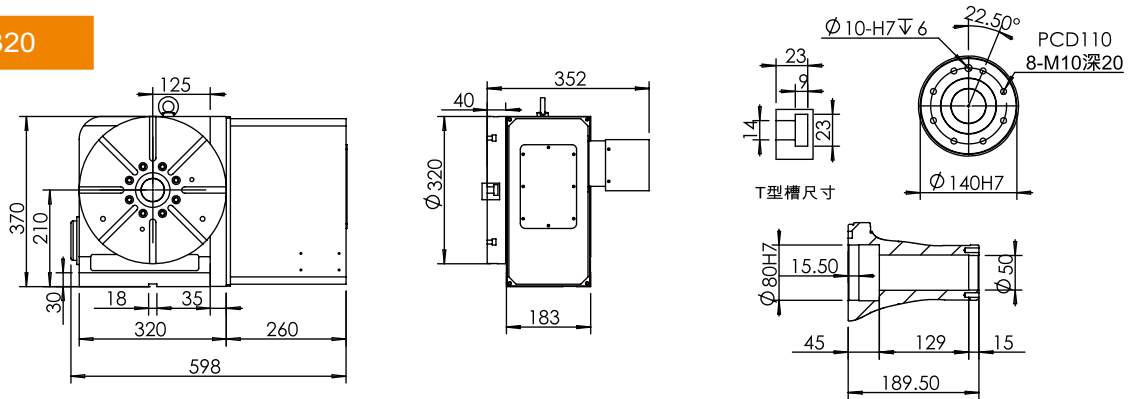
线割
配件

机械
工具

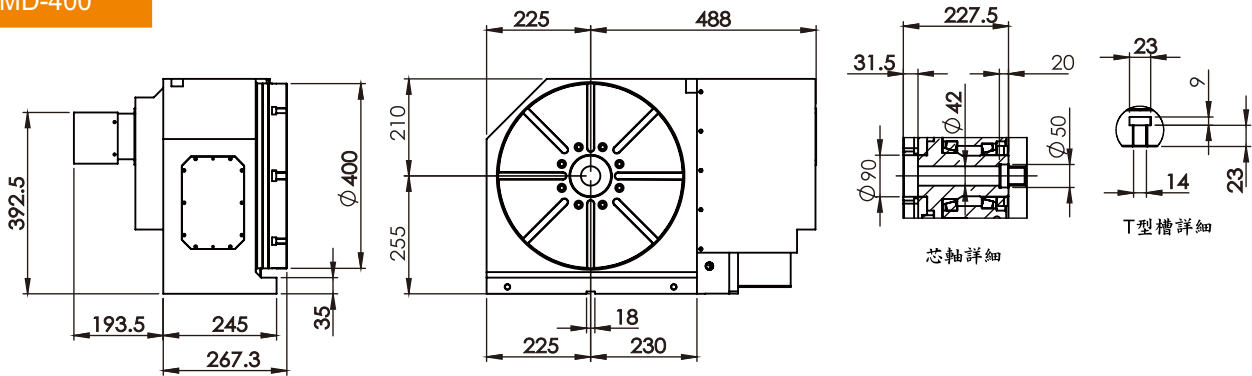
MD-255HB



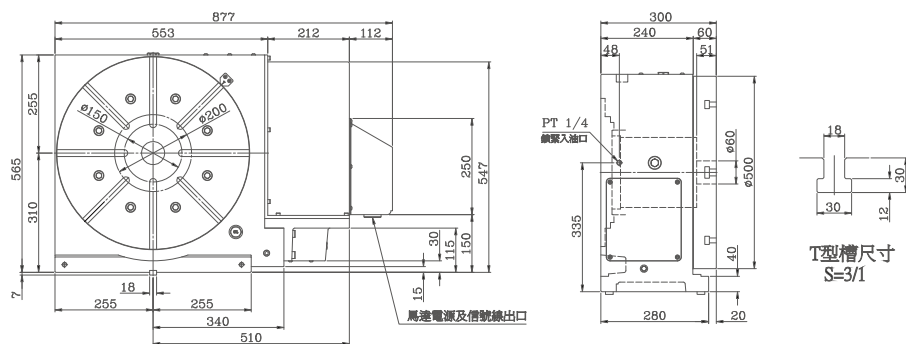
MD-320



MD-400



MD-500



中空卡盘
中实卡盘
立式卡盘
气动卡盘
生爪硬爪
车床刀套
刀座
精密夹头
手动卡盘
顶针

CNC数控分度盘 (大型四轴)

cnc rotary table (large size)



产品特点 Feature

- 采用进口双导程蜗杆、蜗轮，蜗轮采用铝青铜合金，传动定位精度高。
 - 蜗轮大小接近盘面大小，不偷工减料、刚性比同类产品要强30%-50%。
 - 轴承使用交叉滚柱轴承，提高分度盘旋转的精度和刚性，可保长时间加工时不必担心产生次品。
 - 气压锁紧采用全面刹车之锁紧方式，加大锁紧力，确保耐重切削加工。
 - 部分机型有大孔径与左手型可供选择。
- It adopts imported dual-lead worm and worm gear, the worm adopts aluminum bronze alloy, which has high transmission positioning precision.
 - The size of the worm is close to the size of the disk, and it is over 30%-50% stronger than the similar products.
 - The bearings use crossed roller bearings, improved the accuracy and rigidity of the indexing disc rotation, avoid long-term processing without worrying about defective products.
 - The pneumatic locking adopts the full brake locking method to increase the locking force and ensure heavy-duty cutting.
 - Some models are in large hole and with left handwheel versions.

铣床虎钳配件

磨床磁盘

工具万力

线割配件

机床工具

车床卡盘

铣床虎钳

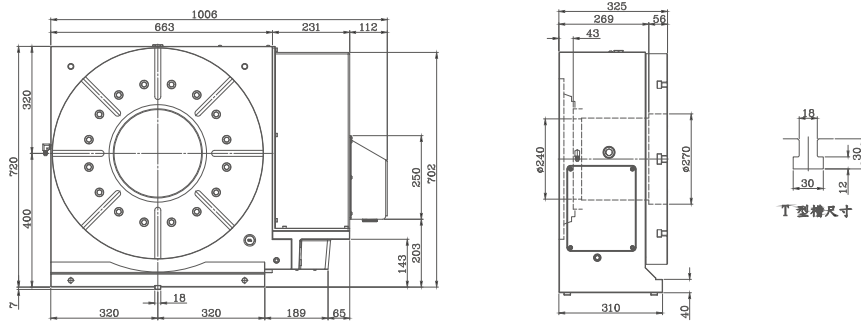
磨床磁盘

线割配件

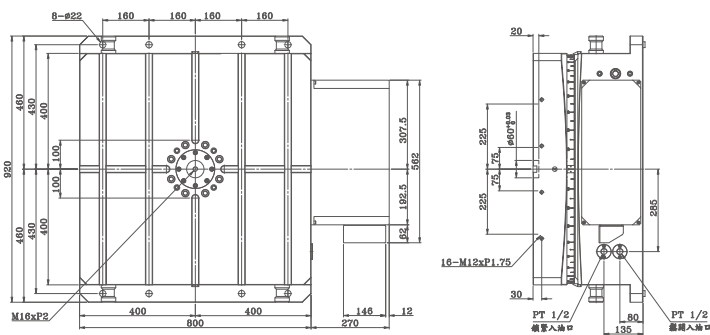
机械工具

型式 type	单位 Unit	MD-630	MD-800	MD-1000	MD-1200	
盘面直径 Worktable diameter	mm	Φ 630	Φ 800	Φ 1000	Φ 1200	
盘面主轴中心孔 Spindle bore diameter	mm	Φ 270 ^{H7}	Φ 295 ^{H7}	Φ 305 ^{H7}	Φ 330 ^{H7}	
盘面主轴中心穿透孔 Through hole diameter	mm	Φ 240	Φ 250	Φ 260	Φ 280	
水平放置总高 Center height with table top horizontal	mm	325	380	430	550	
垂直放置中心高 Center height with table top vertical	mm	400	480	650	750	
旋转轴盘面T型槽宽 Width of T slots	mm	18 ^{H7}	22 ^{H7}	22 ^{H7}	22 ^{H7}	
基准导块宽 Width of alignment key in mounting base	mm	18 ^{H7}	22 ^{H7}	22 ^{H7}	22 ^{H7}	
锁紧装置使用压力 Clamp operation pressure	kg/cm ²	35 (油压 Hydraulic)	35 (油压 Hydraulic)	35 (油压 Hydraulic)	35 (油压 Hydraulic)	
适用环境温度 Ambient temperature	°C	18°~40°				
等分割最小角度 Mini input increment	degree	0.001°	0.001°	0.001°	0.001°	
总齿数比 Gear ratio		1/180	1/360	1/360	1/720	
转盘最高转速 Table speed	马达转速3000 Motor speed	r. p. m	11.1	8.3	8.3	4.16
伺服马达 (选配) Serve motor (optional)	FANUC	α 22i	α 22i	α 22i	α 30i	
	MITSUBISHI	HF-354S	HF-354S	HF-354S	X	
	SIEMENS	1FK7101	1FK7101	1FK7101	X	
分割精度 (累积值) Indexing accuracy (Cumulative value)	sec	15"	15"	15"	15"	
重现精度 Repeatability accuracy	sec	± 2"	± 2"	± 2"	± 2"	
容许负荷 (锁紧时) Permissible load (With table clamped)	F	N-m	25480	27440	48020	5880
	FxL	N-m	4410	5390	6370	17640
	FxL	N-m	3920	6860	17640	2000
容许积载荷重 Allowable load	0°	kg	1000	1400	3000	5000
	90°	kg	400	600	1200	2000

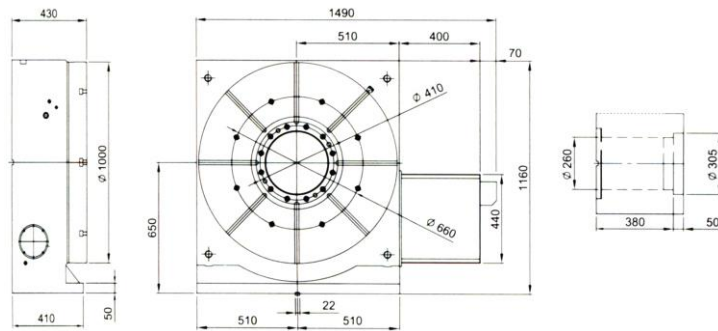
MD-630



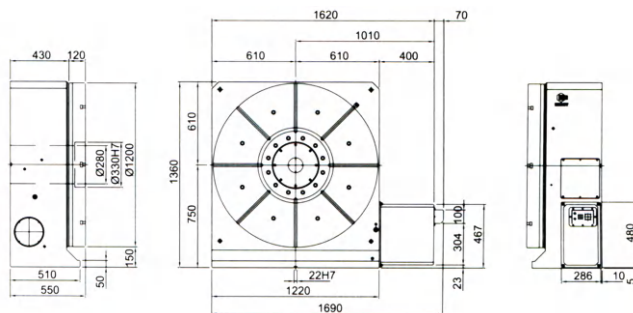
MD-800



MD-1000



MD-1200



中空卡盘

中实卡盘

立式卡盘

气动卡盘

生爪硬爪

车床刀套

刀座

精密夹头

手动卡盘

顶针

床虎钳配件

磨床磁盘

工具万力

线割配件

机床工具

车床卡盘

铣床虎钳

磨床磁盘

线割配件

机械工具

CNC数控分度盘 (五轴) cnc rotary table (5 axis)

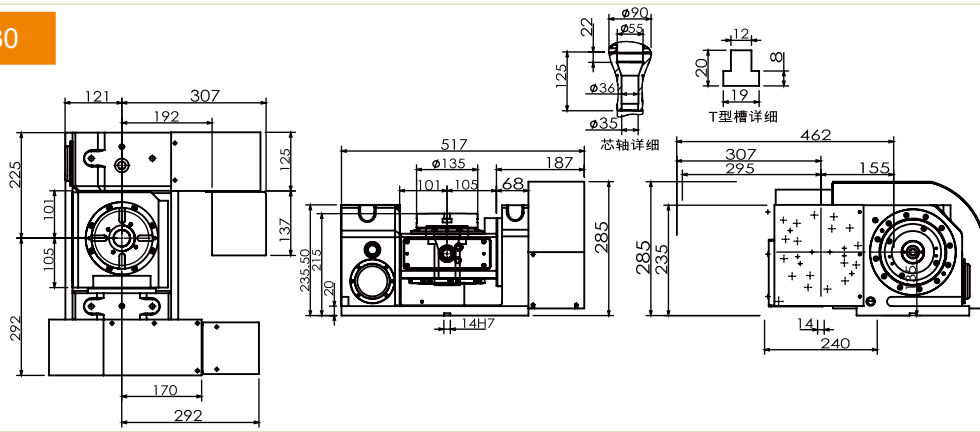


产品特点 Feature

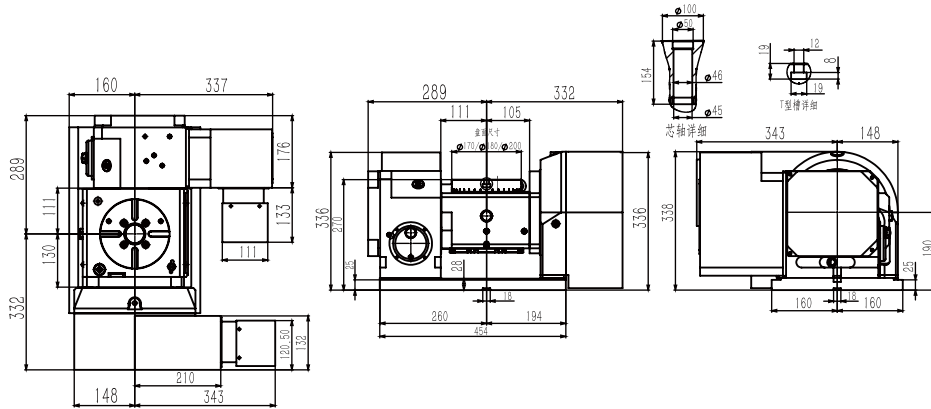
- 采用进口双导程蜗杆、蜗轮，蜗轮采用铝青铜合金，传动定位精度高。
- 蜗轮大小接近盘面大小，不偷工减料、刚性比同类产品要强30%-50%。
- 气压锁紧采用全面刹车之锁紧方式，加大锁紧力，确保耐重切削加工。
- 小型化设计，MABD-125可装在钻攻机床，不产生干涉。
- It adopts imported dual-lead worm and worm gear, the worm adopts aluminum bronze alloy, which has high transmission positioning precision.
- The size of the worm is close to the size of the disk, and it is over 30%-50% stronger than the similar products.
- The pneumatic locking adopts the full brake locking method to increase the locking force and ensure heavy-duty cutting.
- Some models are in large spindle hole and with left handwheel versions.

型式 type	单位 Unit	MABD-130	MABD-180	MABD-250	MABD-350				
旋转轴盘面直径 Worktable diameter	mm	Φ 135	Φ 180	Φ 250	Φ 350				
旋转轴主轴中心孔 Spindle holder	mm	Φ 40 ^{H7}	Φ 50 ^{H7}	Φ 75 ^{H7}	Φ 135 ^{H7}				
旋转轴主轴中心穿透孔 Through hole diameter	mm	Φ 35	Φ 45	Φ 50	Φ 110				
旋转轴盘面水平0° 时高度able height at 0°	mm	215	270	294	350				
旋转轴盘面水平90° 时总高able height at 90°tilted	mm	233	260	370	448				
旋转轴盘面水平90° 时中心高 Table Center height at 90° tilted	mm	135	130	210	255				
旋转轴盘面T型槽宽 Width of T slots	mm	x	12 ^{H7}	12 ^{H7}	14 ^{H7}				
基准导块宽 Width of alignment key in mounting base	mm	14 ^{H7}	18 ^{H7}	18 ^{H7}	18 ^{H7}				
锁紧装置使用压力 Clamp operation pressure	kg/cm ²	5(空压 Pneumatic) 35(油压 Hydraulic)	35(油压 Hydraulic)	35(油压 Hydraulic)	35(油压 Hydraulic)				
适用环境温度 Ambient temperature	°C	18°~40°							
轴别 Axis		旋转轴 Rotate axis	倾斜轴 Rotate axis	旋转轴 Rotate axis	倾斜轴 Rotate axis	旋转轴 Rotate axis	倾斜轴 Rotate axis	旋转轴 Rotate axis	倾斜轴 Rotate axis
等分割最小角度 Mini input increment	degree	0.001°	0.001°	0.001°	0.001°	0.001°	0.001°	0.001°	0.001°
总齿数比 Gear ratio		1/60	1/120	1/90	1/120	1/90	1/120	1/144	1/240
转盘最高转速 Table speed	马达转速3000 Motor speed	X	X	X	X	33.3	24.9	8.3	8.3
	马达转速4000 Motor speed	66.6	33.3	44.4	33.3	44.4	33.3	X	X
伺服马达 (选配) Serve motor (optional)	FANUC	α 2i	α 2i	α 2i	α 2i	α 4i	α 4i	α 8i	α 8i
	MITSUBISHI	HF-105S	HF-105S	HF-105S	HF-105S	HF-104S	HF-104S	HF-104S	HF-104S
	SIEMENS	1FK7042	1FK7042	1FK7042	1FK7042	1FK7063	1FK7063	1FK7063	1FK7063
分割精度 (累积值)Indexing accuracy(Cumulative value)	sec	60"	60"	20"	60"	15"	45"	15"	45"
重现精度 Repeatability accuracy	sec	±2"	±2±4"	±2"	±4"	±2"	±2"	±2"	±2"
倾斜轴倾斜角度范围 Tilting range	水平时=0°	-20°~+110°		-110°~+110°		-110°~+110°		-110°~+110°	
容许负荷 (锁紧时) Permissible load (With table clamped)	F	N	3430	4900	8820	17640			
	FxL	N-m	147	167	490	833			
	FxL	N-m	147	167	490	980			
容许积载荷重 Allowable load	0°	kg	40	60	100	150			
	0~90°	kg	25	40	50	100			
倾斜摆动扭力 Rotation torque	WxL	kgf-m	3	8	16	21			

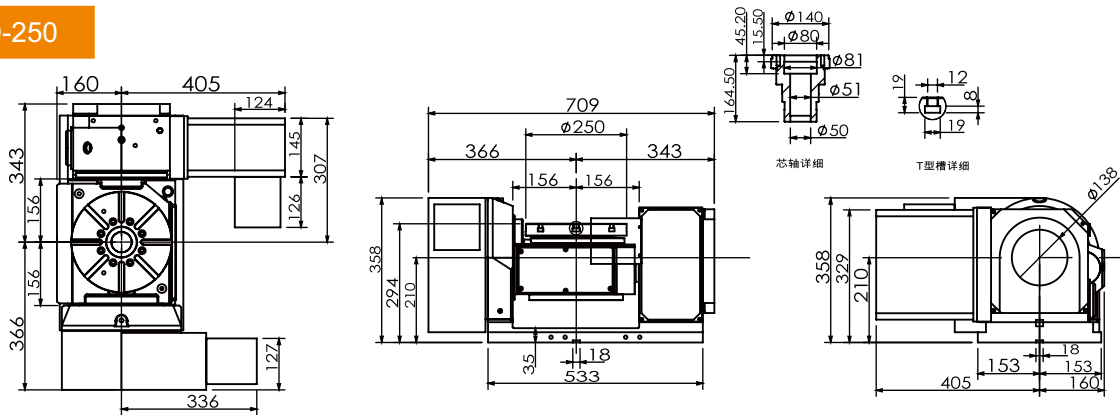
MABD-130



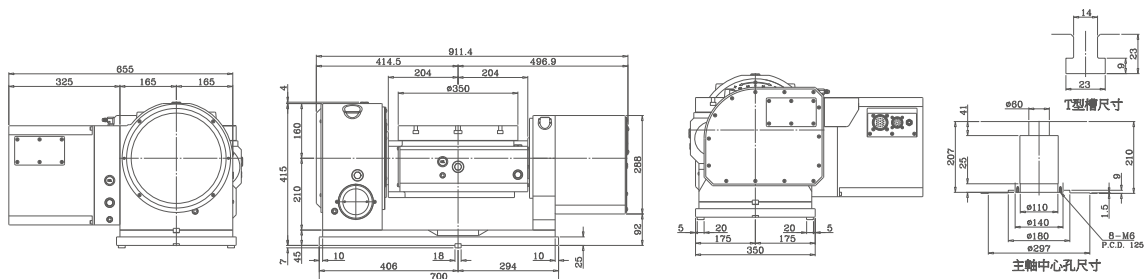
MABD-180



MABD-250



MABD-350



中空卡盘

中实卡盘

立式卡盘

气动卡盘

生爪硬爪

车床刀套

刀座

精密夹头

手动卡盘

顶针

床虎钳配件

磨床磁盘

工具万力

线割配件

机床工具

车床卡盘

床虎钳

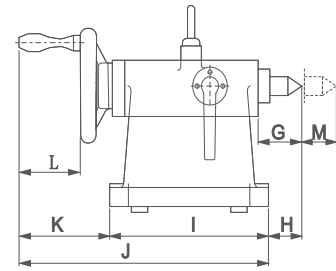
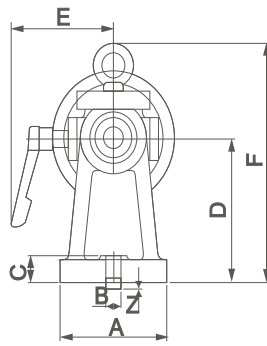
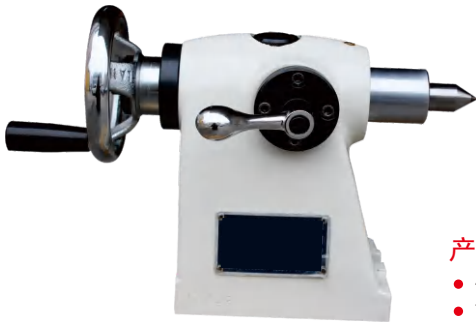
磨床磁盘

线割配件

机械工具

中空卡盘
中实卡盘
立式卡盘
气动卡盘
生爪硬爪
车床刀套
刀座

手动尾座 Manual tailstock



产品特点 Feature

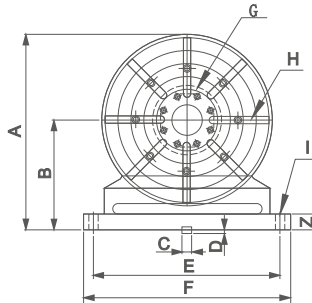
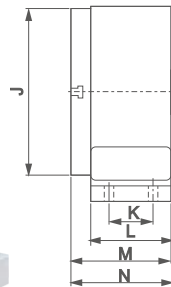
- 使用进口轴承零件、品质更稳定。
- 可选择固定式(不带“S”)或替换式(带“S”)两种。
- 可选择气压或油压。

- The tailstocks are designed to complement Non-lifting Indexing and NC Rotary tables when heavy and/or long work piece are machined.
- Quill travel is driven by handwheel.
- Standard center heights from 110~400mm, special sizes are available on request.
- Fixed or not can be optional by customer ("S" means fixed).
- Pneumatic or hydraulic optional

机型/尺寸 Size	TD-110/110S	TD-135/135S	TD-160/160S	TD-210/210S	TD-255S
A	100	100	130	146	200
B	14	14	18	18	18
C	23	23	30	30	30
D	110	135	160	210	255
E	103	103	125	125	135
F	161	186	267	317	394
G	67	67	64	64	122
H	36	36	47	47	132
I	135	135	230	230	285
J	247	247	362	362	482
K	112	112	132	132	197
L	60	60	90	90	90
M	30	30	50	50	110
N	7	7	7	7	7
顶针 Pin	2"	2"	3"	3"	4"
净重 Net weight(KG)	10	12	19	26	53

精密夹头
手动卡盘
顶针
铣床虎钳配件
磨床磁盘
工具万力

圆盘尾座 Round disc tailstock



产品特点 Feature

- 使用进口轴承零件品质更稳定。
- 与本体同步刹车，更耐重切削。
- 气压锁紧采用全面碟式刹车锁紧方式。
- 油压锁紧采用全圆周油压环抱锁紧方式。
- The series tailstocks are fitted with a free Pneumatic/hydraulic brake assembly for max holding power.
- Used to support long a or heavy piece parts or when fabricating a trunion style work holding fixture.
- Operating pressure = 35 bar hydraulic, 5bar pneumatic

线割配件
机床工具
车床卡盘
铣床虎钳
磨床磁盘
线割配件
机械工具

规格尺寸 Size	FD-90	FD-135P	FD-135PB	FD-160P	FD-160AP	FD-160H	FD-210	FD-255A
锁紧方式 Locking	气压 5kg/cm ² Pressure	气压 (Pressure) 5kg/cm ² / 油压 (Hydraulic) 35kg/cm ²						油压 35kg/cm ² Hydraulic
盘面尺寸 Disc diameter	--	Φ170mm	Φ170mm	Φ170mm	Φ200mm	Φ250mm	Φ320mm	Φ320mm
贯穿孔径 Through hole diameter	Φ25mm	Φ20mm	Φ35mm	Φ20mm	Φ20mm	Φ45mm	Φ50mm	Φ42mm
中心高度 Center height	90mm	135mm	135mm	160mm	160mm	160mm	210mm	255mm
A	140	220	220	245	260	285	370	420
B	90	135	135	160	160	160	210	255
C	12	14	14	18	18	18	18	18
D	5	5	5	5	5	5	5	5
E	-	200	200	200	250	250	300	360
F	100	245	245	245	300	300	400	400
G	40	75	80	80	80	75	118	102
H	-	4-12	4-12	4-12	4-12	4-12	4-14	8-14
I	-	4-14	4-14	4-18	3-18	3-18	3-18	4-18
J	-	170	170	170	200	250	320	320
K	-	63	63	63	63	80	108	85
L	50	95	95	95	95	120	148	153
M	67.5	101	101	101	101	134	164.5	194
重量kg weight	4.6	20.3	22	21.4	28.8	53.6	110	

四轴圆盘尾座模组

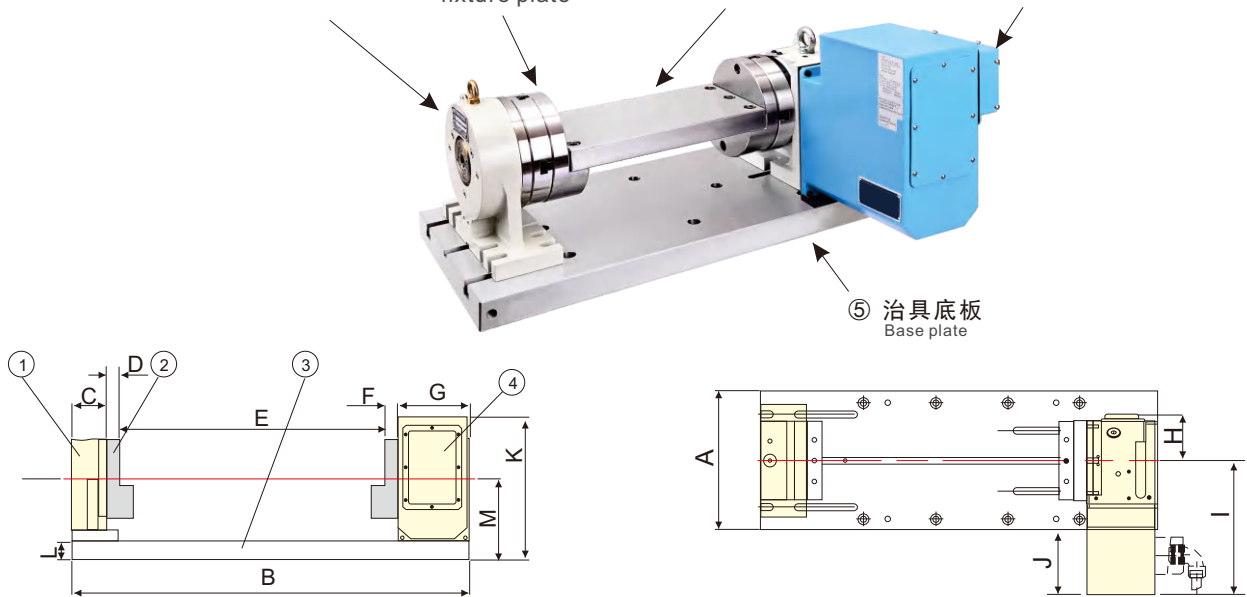
Accessories

FD系列尾座
FD series tailstock

200圆形标准式L块
200 round standard L fixture plate

中间桥板
Fixture Plate

CNC旋转工作台
Cnc rotary table



型号/尺寸 Size	A	B	C	D	E	F	G	H	I	J	K	L	M
MD-170/FD-135	300	82.5	101	25	495	25	179	85	338	188	304	40	175
MD-200/FD-160A	300	82.5	101	25	495	25	179	85	362	212	347	40	200
MD-255/FD-160	450	1250	171	25	774	25	213	160	400	175	412	50	210
MD-320/FD-210	450	1250	194	25	737	25	223	205	502	277	430	50	260

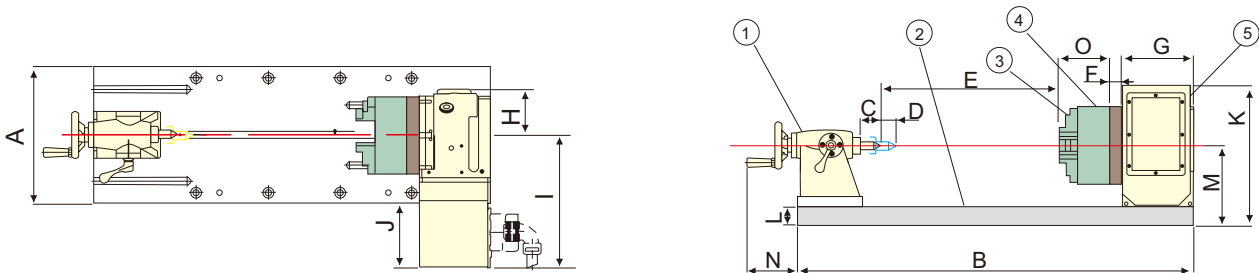
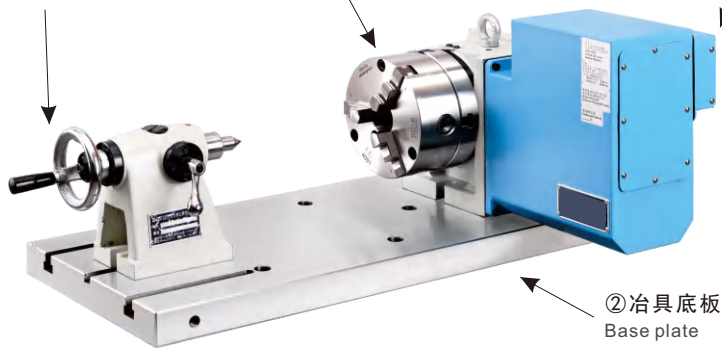
四轴顶针尾座模组

Manual tailstock

① TD 系列尾座
TD series tailstock

③ 三爪夹头
3 Jaw chuck

④ NC旋转工作台
Cnc rotary



型号/尺寸 Size	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	搭配尺寸
MD-170/TD-135	300	82.5	42	30	349	20	179	85	338	188	304	40	175	112	105	6"
MD-200/TD-160	300	82.5	47	50	230	20	179	85	362	212	347	40	200	132	119	7"
MD-255/TD-160	450	1250	47	50	619	22	213	160	400	175	412	50	210	132	119	8"
MD-320/TD-210	450	1250	47	50	590	26	223	205	502	277	430	50	260	132	134	9"

中空卡盘

中实卡盘

立式卡盘

气动卡盘

生爪硬爪

车床刀套

刀座

精密夹头

手动卡盘

顶针

铣床虎钳配件

磨床磁盘

工具万力

线割配件

机床工具

车床卡盘

铣床虎钳

磨床磁盘

线割配件

机械工具

中空卡盘
中实卡盘
立式卡盘
气动卡盘
生爪硬爪
车床刀套
刀座
精密夹头
手动卡盘

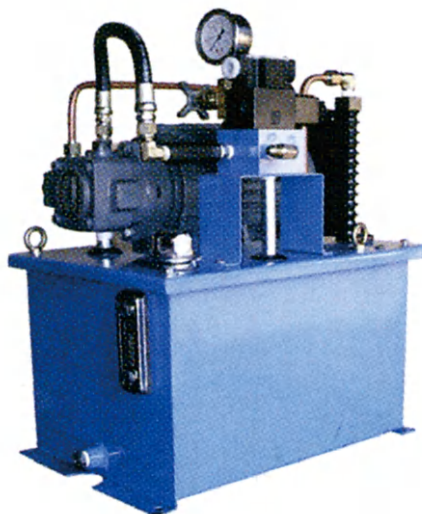
HYU-301.PCH (TD系列用)

HYU-301.PCH (TD series)

标准附件

Standard parts

1. 油箱30L
30LHydraulic tank
2. 马达1HP, 3ph, 50/60Hz, 220/380V (5623)
Motor 1HP,3ph,50/60Hz,220/380V(5623)
3. 泵浦20L/min
Pump 20L/min
4. 电磁阀02-2B2 (AC110, 220V, DC24V)
Solenoid valve 02-2B2(AC110,220V,DC24V)
5. 油管3/8" × 5M 1条
Oil pipe 3/8"×5M 1条
6. 冷却器
Cooler
7. 电源开关盒
Power switch box
8. 液压油
Hydraulic oil
9. 重量: 50kgs
weight: 50kgs



顶针
铣床虎钳配件
磨床磁盘

空油转换器

Converter

- 输出油量: 50CC
 - 增加倍数: 6.25倍
 - 空压源: 1~8kg/cm2
 - 外观尺寸: 110×110×197cm
 - 重量: 5kgs
- Output oil: 50CC
 - Multiple: 6.25倍
 - Air pressure: 1~8kg/cm2
 - Dimension: 110×110×197cm
 - Weight: 5kgs



工具万力
线割配件
机床工具

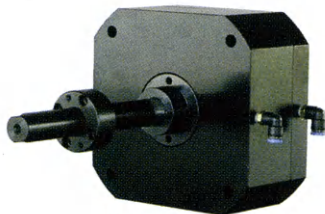
增压缸(标准附件)/Cylinder

- 1/4" 五口二位单线圈电磁阀 (电压可供选择使用) 1组
- 1/4" 快速接头 1组
- 1/4" 油管×5M 1条
- 配管用之接头零件包1组
- Five joint 2 pin single wire solenoid valve (voltage optional)
- Quick joint
- Pipe
- Relate accessories

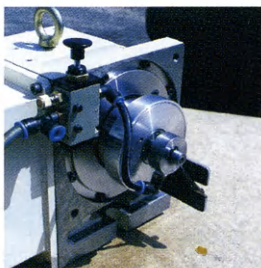
车床卡盘
铣床虎钳

回转缸及回转接头

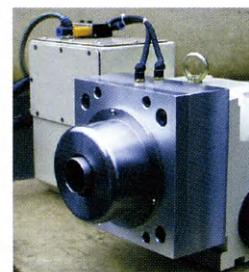
Rotate cylinder and rotate joint



RQ-100



RR-90



RO-160

磨床磁盘
线割配件
机械工具

NC分度盘需求表格

Selection form of Rotary Table / Indexing Table

机械厂牌、规格 Machine brand & specification	机器规格 Machine specification	品牌 Brand _____ 型号 Model _____
	机床控制器 Machine system or controller	<input type="checkbox"/> FANUC <input type="checkbox"/> Mitsubishi <input type="checkbox"/> Siemens <input type="checkbox"/> HEIDENHAIN <input type="checkbox"/> 其他
机床工作台 Dimension of working table	T槽宽 Width of T-slot	<input type="checkbox"/> 14mm <input type="checkbox"/> 16mm <input type="checkbox"/> 18mm <input type="checkbox"/> 22mm <input type="checkbox"/> 其他 __ mm
	T槽pitch尺寸 T-slot pitch size	<input type="checkbox"/> 80mm <input type="checkbox"/> 100mm <input type="checkbox"/> 125mm <input type="checkbox"/> 150mm <input type="checkbox"/> 其他 __ mm
	工作台T槽槽数 T-slot number of worktable	<input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 其它 other __ 提供工作台尺寸 worktable size
Nc分度盘 Rotary Table	机型代号 Machine model	
	电磁阀 Solenoid valve	<input type="checkbox"/> AC110V <input type="checkbox"/> AC220V <input type="checkbox"/> DC24V
	接线盒位置 Wire box position	<input type="checkbox"/> 侧方 side <input type="checkbox"/> 后方 back <input type="checkbox"/> 上方 top
伺服电机 Serve motor (optional)	FANUC	<input type="checkbox"/> α4i <input type="checkbox"/> α8i <input type="checkbox"/> α12i <input type="checkbox"/> α__ <input type="checkbox"/> β__ <input type="checkbox"/> 直轴 <input type="checkbox"/> 斜轴 Straight axis Oblique axis
	Mitsubishi	<input type="checkbox"/> HA-33 <input type="checkbox"/> HA-40 <input type="checkbox"/> HA-80 <input type="checkbox"/> HA-100 <input type="checkbox"/> HF-44T <input type="checkbox"/> HF-74T <input type="checkbox"/> HF-75T <input type="checkbox"/> HF-105S <input type="checkbox"/> HF-53T <input type="checkbox"/> HF-54S <input type="checkbox"/> HF-103T <input type="checkbox"/> HF-104S <input type="checkbox"/> HF-203T <input type="checkbox"/> HF-204S <input type="checkbox"/> 直轴 <input type="checkbox"/> 斜轴 <input type="checkbox"/> 其他 _____ Straight axis Oblique axis Other
	Siemens	<input type="checkbox"/> IFK7042 <input type="checkbox"/> IFK7060 <input type="checkbox"/> IFK7083 <input type="checkbox"/> 其他 Other _____
	其他 Other	<input type="checkbox"/> _____ (请提供马达外型尺寸图之资料) (Please supply motor drawing)
尾座圆盘尾座 Tailstock (Optional)	顶针可换式 Dear center can be instead	
	手动尾座 Manual tailstock	
其他附件 Other accessories (Optional)	夹头型式 Collet type	强力型手动夹头： <input type="checkbox"/> SC-4 <input type="checkbox"/> SC-5 <input type="checkbox"/> SC-6 <input type="checkbox"/> SC-7 <input type="checkbox"/> SC-8 <input type="checkbox"/> SK-9 Powerful manual chuck:
		三爪中实油压夹头： <input type="checkbox"/> V-206 <input type="checkbox"/> V-208 <input type="checkbox"/> V-210 <input type="checkbox"/> V-212 Solid 3 Jaw Hydraulic Chuck:
		三爪中空油压夹头： <input type="checkbox"/> N-206 <input type="checkbox"/> N-208 <input type="checkbox"/> N-210 <input type="checkbox"/> N-212 Hollow hydraulic 3 jaw chuck:
		<input type="checkbox"/> 其他 Other _____ (请提供外型尺寸图) (Please supply the drawing)
	回转缸 Cylinder	中实回转油压缸： <input type="checkbox"/> MH80 <input type="checkbox"/> MH100 <input type="checkbox"/> MH125 <input type="checkbox"/> MH150 Solid hydraulic cylinder
		中空回转油压缸： <input type="checkbox"/> M0928 <input type="checkbox"/> M1036 <input type="checkbox"/> M1236 <input type="checkbox"/> M1246 Hollow hydraulic cylinder
<input type="checkbox"/> 其他 Other _____ (请提供外型尺寸图) (Please supply the drawing)		
油压单元 Hydraulic Unit	<input type="checkbox"/> 单回路油压单元 <input type="checkbox"/> 双回路油压单元 <input type="checkbox"/> 其他Other _____ Single Double	
气油压转换单元 Pneumatic/hydraulic transfer unit	<input type="checkbox"/> ABR-35 <input type="checkbox"/> 其他 Other _____	
数量及备注 Quantity or marks	驱动器规格： Drive specification:	
	用户名： User:	联系人及手机： Contact:
	用户地址： Address	电话： Telephone:
	备注： Marks:	传真： Fax:
	其他要求： Other request:	

中空卡盘

中实卡盘

立式卡盘

气动卡盘

生爪硬爪

车床刀套

刀座

精密夹头

手动卡盘

顶针

铣床虎钳配件

磨床磁盘

工具万力

线割配件

机床工具

车床卡盘

铣床虎钳

磨床磁盘

线割配件

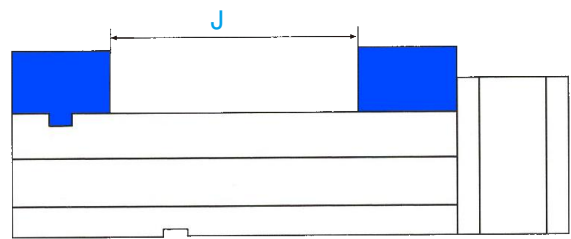
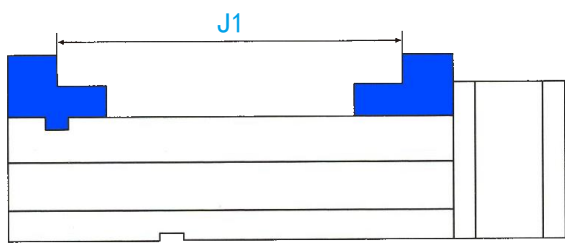
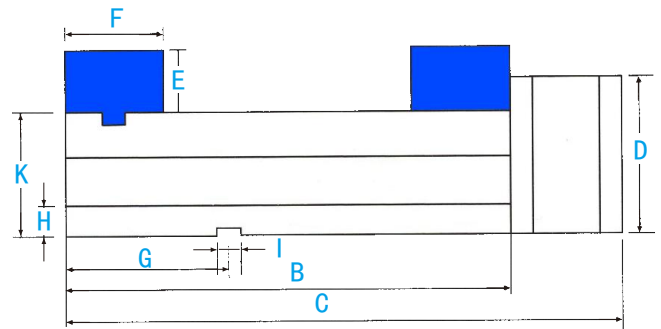
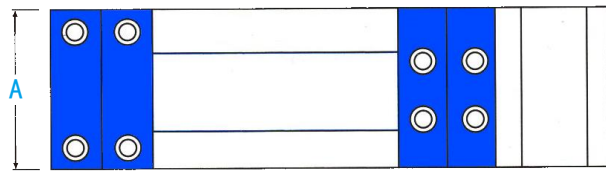
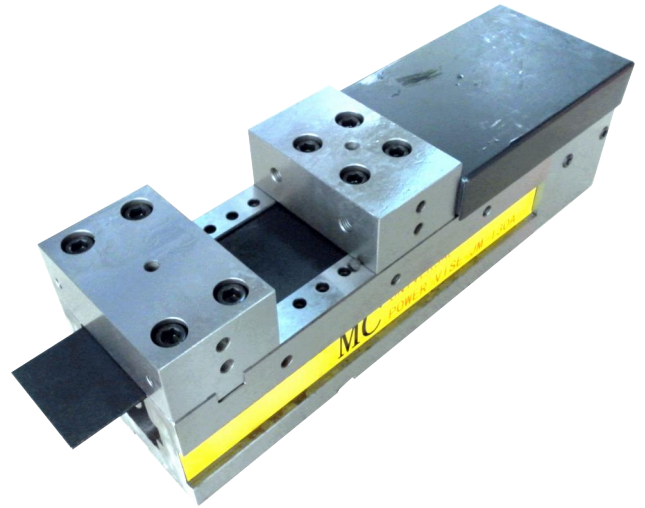
机械工具

JM.. 油压虎钳

Universal Oil Vise

是铣床、钻床的随机附件，将其固定在机床工作台上，用来夹持工件进行切削加工。实现快速夹紧与快速松开，且能保证夹紧力大小。

It is a random accessory of milling machine and drilling machine, which is fixed on the worktable of the machine to clamp the workpiece for cutting. Rapid clamping and quick release are achieved, and the clamping force can be ensured.

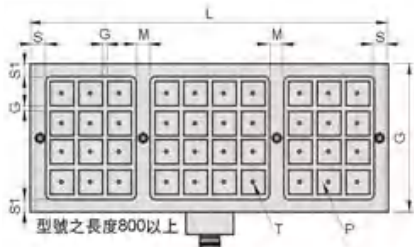
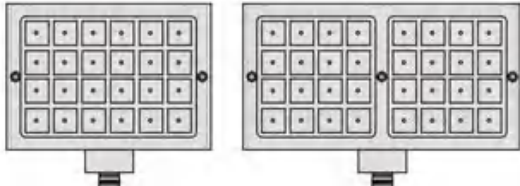


>> Dimensions (mm)

Dimensions 尺寸 型号 Type	订购编码 Order Number	A	B	C	D	E	F	G	H	I	J	J1	K	订购编码 Max. Pressure kgf/cm ² (Mpa)	重量 Weight (kg)	单价 Price (RMB)
JM-100A	709900	102	273	365	100	45	68	112	14	14	137	205	85	35 (3.4)	-	10600
JM-130A	709902	130	365	457	128	50	80	135	18	18	205	285	100	40 (3.9)	-	12600
JM-160A	709904	160	455	550	158	55	86	145	18	18	283	369	110	40 (3.9)	-	15000

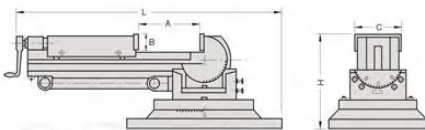
电控永磁吸盘

ELECTRICITY CONTROLS PERMANENT MAGNETIC CHUCK



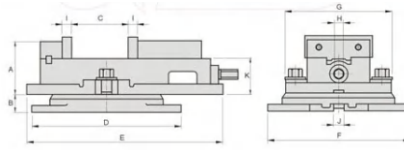
Order No.	Model	尺寸							磁极数	磁极 P	磁极数	电压	电流 A/MP	磁极净重	控制器净重	Price
		W	L	S	S1	M	T	高度								
5568-2540	EPM2540W	240	430				--		18	18	42		30000			
5568-2560	EPM2560W	240	590				30		24	24	63		36225			
5568-2580	EPM2580W	240	750				30		30	30	84		45900			
5568-2590	EPM2590W	240	870				30		36	36	94		50025			
5568-25100	EPM25100W	240	990				30		42	40	105		56100			
5568-3030	EPM3030W	300	310				--		16	16	38		27750			
5568-3040	EPM3040W	300	430				--		24	24	51	10	35250			
5568-3060	EPM3060W	300	590				30		32	28	76		44925			
5568-3080	EPM3080W	300	750				30		40	32	102		58200			
5568-3090	EPM3090W	300	870				30		48	40	115		62250			
5568-30100	EPM30100W	300	990				30		56	40	127		70950			
5568-4040	EPM4040W	420	430	30	25		--	M8 70	36	18	68		48000			
5568-4050	EPM4050W	420	480				--		42	26	84		54075			
5568-4060	EPM4060W	420	590				30		48	24	102		61725			
5568-4080	EPM4080W	420	750				30		60	30	135		80250			
5568-4090	EPM4090W	420	870				30		72	36	152		90000			
5568-40100	EPM40100W	420	990				30		84	40	168		102750			
5568-5060	EPM5060W	480	590				30		56	28	126		69375			
5568-5080	EPM5080W	480	750				30		70	35	168		94500			
5568-5090	EPM5090W	480	870				30		84	40	189		102000			
5568-50100	EPM50100W	480	990				30		98	50	210	15	116250			
5568-6060	EPM6060W	600	590				30		72	36	152		89250			
5568-6080	EPM6080W	600	750				30		90	40	203		116250			
5568-6090	EPM6090W	600	870				30		108	45	227		127500			
5568-60100	EPM60100W	600	990				30		126	50	252		150000			
5568-8080	EPM8080W	750	780				30		120	45	268		145500			

可倾斜虎钳 UNIVERSAL 3-WAY ANGLE VISE



Order No.	Model	A	B	C	H	L	Vertical Height	N.W. (Kg)	Price
5750-03	VW3	90	30	80	150	396	386	17	4175
5750-04	VW4	105	38	106	172	460	470	33	4885
5750-05	VW5	140	40	132	205	625	590	45	6815

角固式虎钳 PRECISION ANGLE LOCK MACHINE VISE

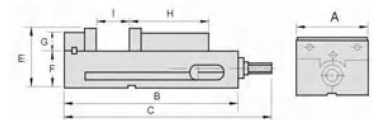
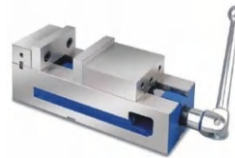


Order No.	Model	N.W. (Kg)
5760-40	LV40	20
5760-50	LV50	29
5760-60	LV60	41
5760-80	LV80	800
5760-120	LV120	125

Model	A	B	C	D	E	F	G	H	I	J	K	Price											
LV40	87	3 27/64	30	1 15/16	107	4	242	9 1/2	318	2 33/64	230	9 1/16	172	63/4	14	9/16	15	19/32	16	5/8	58	2 9/32	2890
LV50	98	3 55/64	32	1 1/4	110	4 1/4	280	11	355	14	256	10 1/16	210	81/4	15	19/32	15	19/32	16	5/8	66	2 19/32	3010
LV60	110	4 1/4	40	1 1/2	138	5 1/2	336	13 1/4	405	15 15/16	300	11 3/4	238	93/8	19	3/4	18	3/4	18	3/4	72	2 54/64	3795
LV80	136	5 27/64	55	2 3/16	198	7 3/4	422	16 5/8	555	21 3/4	380	15	305	12	19	3/4	24	15/16	18	3/4	84	3 5/16	5620
LV120	219	8 5/8	-	-	320	12 5/8	-	-	738	28 1/16	-	-	408	16 1/16	19	3/4	24	15/16	-	-	102	4	18545

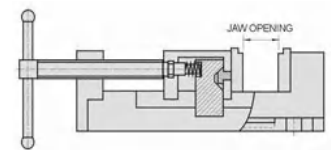
角固式光面直角虎钳

LOCK-TIGHT PRECISION MACHINE VISE



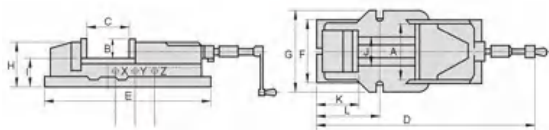
Order No.	Model	A	B	C	E	F	G	H	I	N.W. (Kg)	Price
5765-40	LG40	100	220	320	133	65	38	115	110	13kg	3105
5765-50	LG50	125	240	360	146	70	38	132	130	22kg	3280
5765-60	LG60	150	290	430	161	72	48	170	150	37kg	3450
5765-80	LG80	200	370	600	193	85	58	190	210	65kg	6730

角固式虎钳 PRECISION ANGLE LOCK MACHINE VISE



Order No.	Model	JAW PLATE HEIGHT	JAW PLATE HEIGHT	JAW OPENING	N.W. (Kg)	Price
5766-100	HDV-100	43	100	90	6.6kg	1615
5766-130	HDV-130	43	130	90	8.2kg	2280

平面油压虎钳 HYDRAULIC MACHINE VISE



Order No.	Model	A	B	C	D	E	F	G	H	I	J	K	L	Clamping Force	N.W. (Kg) Body	N.W. (Kg) Swivel Base	Price
5770-100	HVA100	100	36	170	525	430	130	160	94	60	78	100	155	2500	16	6	4600
5770-125	HVA125	125	46	220	670	540	165	185	118	72	97	117	185	3500	33	7	5960
5770-150	HVA150	150	51	300	800	620	200	240	133	82	116	125	247	4500	54	16	5160
5770-200	HVA200	200	62	300	900	700	225	280	160	100	160	150	265	8500	90	20	9810

中空卡盘

中实卡盘

立式卡盘

气动卡盘

生爪硬爪

车床刀套

刀座

精密夹头

手动卡盘

顶针

铣床虎钳配件

磨床磁盘

工具万力

线割配件

机床工具

车床卡盘

铣床虎钳

磨床磁盘

线割配件

机械工具

中空卡盘

中实卡盘

立式卡盘

气动卡盘

生爪硬爪

车床刀套

刀座

精密夹头

手动卡盘

顶针

铣床虎钳配件

磨床磁盘

工具万力

线割配件

机床工具

车床卡盘

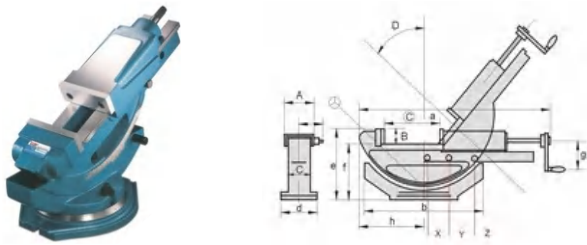
铣床虎钳

磨床磁盘

线割配件

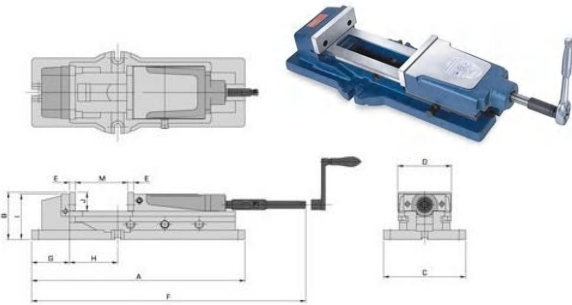
机械工具

双向油压虎钳 TILTING HYDRAULIC MACHINE VISE



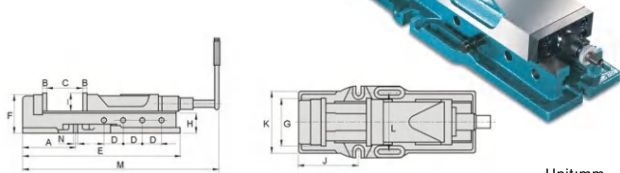
Order No.	Model	A	B	C	D	a	b	c	d	e	f	g	h	N.W.(Kg) Body	N.W.(Kg) Swivel Base	Price
5775-100	HVW100	100	36	170	50	505	325	65	160	177	141	80	170	23	4	8565
5775-150	HVW150	150	51	300	50	775	410	95	240	237	186	100	200	60	10	10420

倍力内藏式增压虎钳 MECHANICAL POWER MACHINE VISE



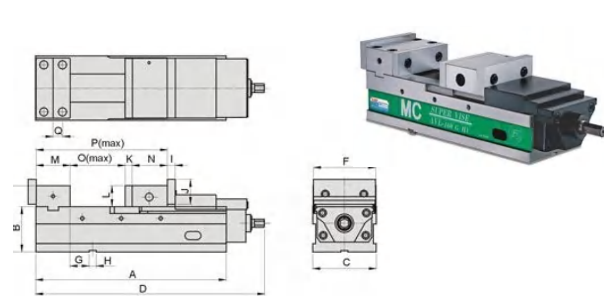
Order No.	Model	A	B	C	D	E	F	G	H	I	J	M	N.W.(Kg)	Price
5780-50	HMP50	538	118	185	130	15	670	105	82	117	46	220	38kg	8540
5780-60	HMP60	620	133	240	154	17	800	110	140	132	54	300	58kg	9015
5780-80	HMP80	700	162	280	206	21	900	135	118	160	62	300	105kg	16130

高级倍力外藏式增压虎钳 SUPER OPEN QUICK ACTION VISE



Order No.	Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	N.W.(Kg)	Price
5782	HMP60A	200	18	300	77	610	139	158	82	63	200	240	190	915	18	58kg	10265

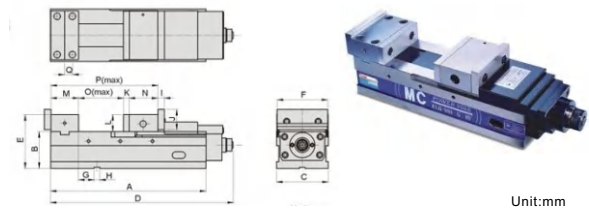
向量式精密光面直角虎钳 PRECISION SUPER VISE



HVL100, 125, 160 is horizontal & vertical 2 way vise. Unit:mm

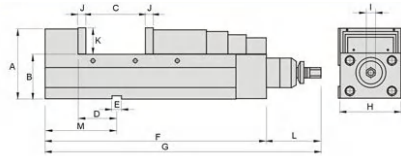
Order No.	Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	N.W.(Kg)	Price
5785-40	HVL100	324	85	104	437	130	102	32	18	17	55	15	45	73	86.5	140	314.5	20	27kg	7780
5785-50	HVL125	390	100	127	480	153	124.7	57	18	20	63	15	53	78	87.5	201	381.5	22.5	43kg	9965
5785-60	HVL160	485	115	161	625	168	158.2	49	18	20	63	18	53	86	80	295	479	25	71kg	12810

倍力增压式精密光面直角虎钳 MECHANICAL POWER MACHINE VISE



Order No.	Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	N.W.(Kg)	Price
5786-40	HVQ100	324	85	104	428	130	102	32	18	17	55	15	45	73	86.5	140	314.5	20	30kg	11385
5786-50	HVQ125	390	100	127	495	153	124.7	57	18	20	63	15	53	78	87.5	201	381.5	22.5	46kg	12810
5786-60	HVQ160	485	115	161	605	168	158.2	49	18	20	63	18	53	86	80	295	479	25	71kg	15940
5786-60L	HVQ160L	515	115	161	635	168	158.2	67	18	20	63	18	53	86	80	330	514	25	76kg	20400
5786-80	HVQ200	535	120	202	655	178	199.5	66	18	20	73	18	58	101	95	320	534	31	100kg	17080
5786-80L	HVQ200L	585	120	202	713	178	200	84	18	20	73	18	58	101	95	367.5	581.5	31	108kg	20880

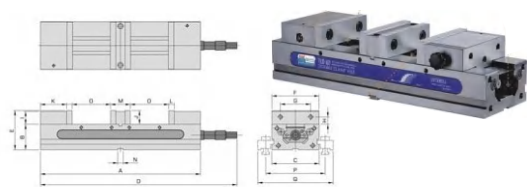
多功能CNC角固式精密光面直角虎钳 MULTI-POWER CNC PRECISION FIXED ANGLE VISE



SPECIFICATIONS (Material: FCD 60, Ductile Iron, Hardness HRC50°) Unit:mm

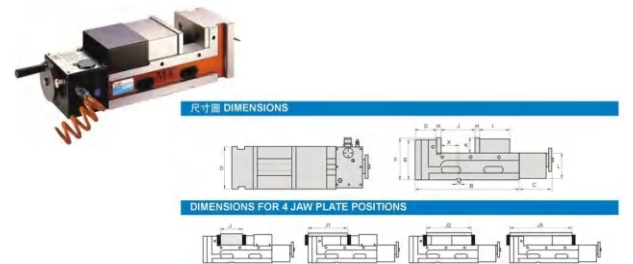
Order No.	Model	A	B	C	C1	C2	C3	D	E	F	G	H	I	J	K	L	M	N.W.(Kg)	Price
5788-130	HPAC130	147	65±0.01	0-190	70-260	115-305	165-375	80±0.02	18	475	583	131	19	15	55	120	150	47	13715
5788-160	HPAC160	160	105±0.01	0-250	85-325	140-375	220-480	80±0.02	18	560	670	161	19	15	58	120	165	65	16390
5788-200	HPAC200	170	110±0.01	0-290	90-380	155-440	240-530	100±0.02	18	635	743	201	19	18	63	120	197	95	21565

双向向量式虎钳 Two-dimensional vector vise



Order No.	Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	N.W.(Kg)	Price
5792-40	TLD40	405	63.5	104	459	101.5	102	63.5	17.5	33	38	69	15	55	18	90	143	195	20kg	11385
5792-60	TLD60	520	82.55	154	536	127.05	152	98.4	23.8	41.5	44.5	86.5	15	66	18	125	193	245	52kg	13285

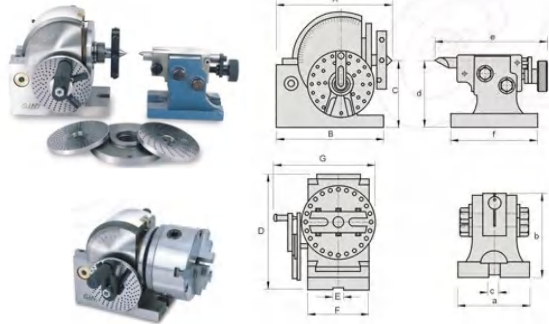
MC增压器型超高压快速虎钳 MC PRECISION SUPER HI-PRESSURE RAPID VISE



Order No.	Model	A	B	C	D	E	F	G	H	I	J	J1	J2	J3	K	L	M	X	夹持力 Gripping	N.W.(Kg)	Price
5796-01	TPV5150	520	380	140	130	157	160	86	15	110	0-150	95-250	110-275	200-380	55	105	18	45	6000	45	15830
5796-02	TPV6160	540	400	140	160	160	163	86	15	120	0-160	95-280	120-285	210-400	55	105	18	45	6000	47	17680
5796-03	TPV6250	630	490	140	160	160	163	86	15	120	0-250	95-330	120-385	210-480	55	105	18	45	6000	53	18720
5796-04	TPV7200	600	460	140	180	170	173	90	18	130	0-200	100-300	130-350	220-480	63	110	18	72	9000	65	19750
5796-05	TPV8200	610	470	140	200	170	173	90	18	140	0-200	100-310	140-380	238-470	63	110	18	72	9000	70	21735
5796-06	TPV8300	710	570	140	200	170	173	90	18	140	0-300	100-410	140-480	238-570	63	110	18	72	9000	79	22900

万能分度头

SEMI-UNIVERSAL CENTER (DIVIDING HEAD)



SEMI-UNIVERSAL INDEX CENTER B & S TYPE NO.0 , NO.1(HEAD-STOCK) Unit:mm

Order No.	Model	A	B	C	D	E	F	G	N.W. (Kg)	Price							
5810	BS0	189	77/16	160	6 19/64	100	315/16	173	613/16	16	5/8	91	337/64	140	533/64	22	7420
5812	BS1	293	111/32	210	8 17/64	128	53/64	220	53/64	16	5/8	114	431/64	156	6 9/64	36	9750

SEMI-UNIVERSAL INDEX CENTER B & S TYPE NO.0 , NO.1(TAIL-STOCK) Unit:mm

Model	a	b	c	d	e	f	Taper of Center	Diameter of Spindle hole						
BS0	90	335/64	105	49/64	16	5/8	100	315/16	166	634/64	127	5	B&S No.7	18
BS1	108	41/4	134	59/32	16	5/8	128	529/32	184	71/4	150	529/32	B&S No.9	20

STANDARD ACCESSORIES

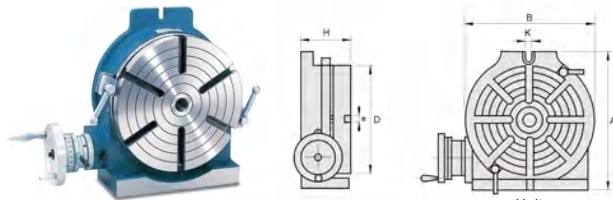
Dividing plate A,B,C.

Numbers of holes of dividing plate(worm gear reduction ratio 1:40)

Numbers of holes	Unit:mm						
	PlateA	15	16	17	18	19	20
	PlateB	21	23	27	29	31	33
	PlateC	37	39	41	43	47	49

横立两用分度盘

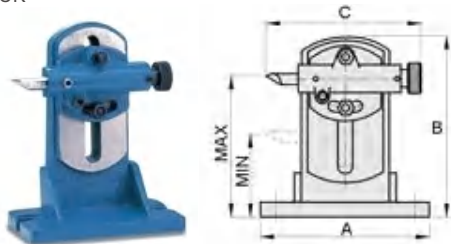
HORIZONTAL AND VERTICAL ROTARY TABLE



Order No.	Model	Table		Base Dimension		Bolt Slots	Center sleeve	Worm Gear Ratio	N.W. (Kg)	Price
		D	H	A	B					
5820-15	HV150	150	92	220	160	18	MT-2	90 1	12.5	3880
5820-20	HV200	200	120	310	225	18	MT-3		31.0	5450
5820-25	HV250	250	120	320	280	18	MT-3		48.5	6790
5820-30	HV300	300	140	410	325	18	MT-4		77.0	8660
5820-35	HV350	350	140	460	380	18	MT-4		98	11095
5820-40	HV400	400	140	510	435	18	MT-5		130	16045

尾座

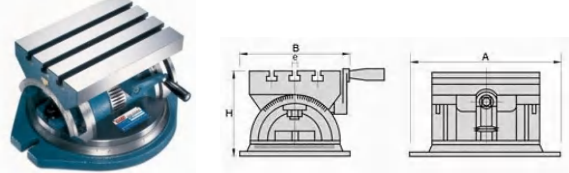
TAIL STOCK



Order No.	Model	Suitable for	A	B	C	Center Height		N.W. (Kg)	Price
						Max.	Min.		
5821-01	TS1	HV-200/HV-250	230	247	210	190	110	13	1440
5821-02	TS2	HV-300	230	280	210	220	140	15	1520
5821-03	TS3	HV-350/HV-400	230	330	210	264	184	17	1900

万能可调倾斜式角度盘

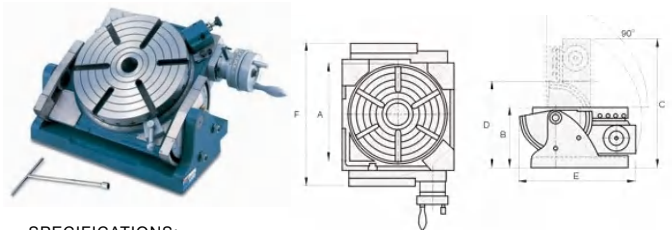
ANGLE PLATE+CONNECTING PLATE+SWIVELBASE



Order No.	Model	A	B	H	Unit:mm		
					T-SLOT e	N.W. (Kg)	Price
5865-01	HAP180S	265	220	135	12	12	5350
5865-02	HAP250S	350	305	185	12	40	8025
5865-03	HAP380S	490	436	240	16	100	12075

万能倾斜分度盘

UNIVERSAL TILTING ROTARY TABLE



SPECIFICATIONS:

Order No.	Model	Table Diameter A	Table Height Horizontal(B)	Table Height Vertical(C)	Center Height Vertical(D)	E	F	Gear Ratio	Center Hole	Direct Indexing	N.W. (Kg)

Number Of Holes:

A Plate:9,28,34,41,47,
10,29,35,43,49
B Plate:21,31,37,44,53,
26,32,38,46,59
C Plate:61,71,77,83,91,
67,73,79,89,97

Optional Accessories:

Tail stock

Dividing Plates Set

中空卡盘

中实卡盘

立式卡盘

气动卡盘

生爪硬爪

车床刀套

刀座

精密夹头

手动卡盘

顶针

铣床虎钳配件

磨床磁盘

工具万力

线割配件

机床工具

车床卡盘

铣床虎钳

磨床磁盘





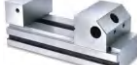









线割配件

机械工具

磨床磁盘/工具万力 Grinding machine disk / tool Wanli

- 中空卡盘
- 中实卡盘
- 立式卡盘
- 气动卡盘
- 生爪硬爪
- 车床刀套
- 刀座
- 精密夹头
- 手动卡盘
- 顶针
- 铣床虎钳配件
- 磨床磁盘
- 工具万力
- 线割配件
- 机床工具
- 车床卡盘
- 铣床虎钳
- 磨床磁盘
- 线割配件
- 机械工具

PFA	PFB	PFC	PFD	PGA	PGAS	PGAM	WD165
N21  砂轮修整器 双向冲子成型器 磨床配件	N21  砂轮修整器 单向冲子成型器 磨床配件	N21  砂轮修整器 三爪冲子成型器 磨床配件	N21  砂轮修整器 ER筒夹冲子成型器 磨床配件	N21  砂轮修整器 冲子研磨器 磨床配件	N21  砂轮修整器 迷你冲子研磨器 磨床配件	N21  砂轮修整器 电动冲子研磨器 磨床配件	N21  砂轮修整器 立式砂轮修整器 磨床配件
KT50	DF60	AP50	DT100	DT100M	F250	F350	SB50
N21  砂轮修整器 卧式砂轮修整器 磨床配件	N22  砂轮修整器 砂轮厚度修整器 磨床配件	N22  砂轮修整器 砂轮斜度修整器 磨床配件	N22  砂轮修整器 钻石砂轮修整器 磨床配件	N22  砂轮修整器 电动钻石砂轮修整器 磨床配件	N22  精密夹治具 磨床用法兰夹头 磨床配件	N22  精密夹治具 磨床用法兰夹头 磨床配件	N22  精密夹治具 磁性正弦规 磨床配件
S100	AP25/30/46	B型精密V型台	附夹V型台	精密双刀口尺	虎钳平行垫块	导磁块	导磁块
N22  精密夹治具 正弦规 磨床配件	N22  精密夹治具 可调式角度正弦规 磨床配件	N23  精密夹治具 B型精密V型台 磨床配件	N23  精密夹治具 附夹V型台 磨床配件	N23  精密夹治具 精密双刀口直角尺 磨床配件	N23  精密夹治具 虎钳平行垫块 磨床配件	N23  精密夹治具 导磁块 磨床配件	N23  精密夹治具 导磁块 磨床配件
磁性V型台	磁性V型台	方型磁性测定台	脱磁器	脱磁器	高速钢块规	钨钢块规	高速钢针规
N23  精密夹治具 磁性V型台 磨床配件	N23  精密夹治具 磁性V型台 磨床配件	N23  精密夹治具 方型磁性测定台 磨床配件	N23  磁性工具 脱磁器 磨床配件	N24  磁性工具 脱磁器 磨床配件	N24  精密夹治具 高速钢块规 磨床配件	N24  精密夹治具 钨钢块规 磨床配件	N24  精密夹治具 高速钢针规 磨床配件
CSPM	SPS	CSPS	MSP	CMSP	MSP.SA	MWS	MTH
N25  磁盘磁台 复合式粗目正弦磁台 磨床配件	N25  磁盘磁台 筒式细目正弦磁台 磨床配件	N25  磁盘磁台 复合式细目正弦磁台 磨床配件	N25  磁盘磁台 一体超薄正弦磁台 磨床配件	N25  磁盘磁台 复合式超薄正弦磁台 磨床配件	N25  磁盘磁台 微调式正弦磁台 磨床配件	N25  磁盘磁台 垂直型永磁吸盘 磨床配件	N25  磁盘磁台 超硬合金永磁吸盘 磨床配件
MTS	AY	A	V	W	MCD	U	UW
N26  磁盘磁台 超薄型永磁吸盘 磨床配件	N26  磁盘磁台 粗目永磁吸盘 磨床配件	N26  磁盘磁台 强力永磁吸盘 磨床配件	N26  磁盘磁台 细目永磁吸盘 磨床配件	N26  磁盘磁台 强力永磁细目吸盘 磨床配件	N26  磁盘磁台 圆形细目永磁吸盘 磨床配件	N27  磁盘磁台 回转型永磁夹盘 磨床配件	N27  磁盘磁台 微距回转型永磁夹盘 磨床配件

VI	VL	VSU	VSB	SV	A	AS	VV
N27	N27	N27	N27	N27	N27	N27	N28
							
精密工具万力 一寸不锈钢工具万力 磨床配件	精密工具万力 不锈钢工具万力 磨床配件	精密工具万力 不锈钢手转工具万力 磨床配件	精密工具万力 VSB工具万力 磨床配件	精密工具万力 高级工具万力 磨床配件	精密工具万力 高级万力 磨床配件	精密工具万力 超精密工具万力 磨床配件	精密工具万力 超精密工具万力 磨床配件
L	SV	CHM	VB	VS	VSD		
N28	N28	N28	N28	N28	N28		
							
精密工具万力 精密级侧向正弦万力 磨床配件	精密工具万力 手转正弦万力 磨床配件	精密工具万力 万向精密虎钳 磨床配件	精密工具万力 VB工具万力 磨床配件	精密工具万力 成型工具万力 磨床配件	精密工具万力 手转工具万力 磨床配件		

中空卡盘

中实卡盘

立式卡盘

气动卡盘

生爪硬爪

车床刀套

刀座

精密夹头

手动卡盘

顶针

铣床虎钳配件

磨床磁盘

工具万力

线割配件

机床工具

车床卡盘

铣床虎钳

磨床磁盘

线割配件

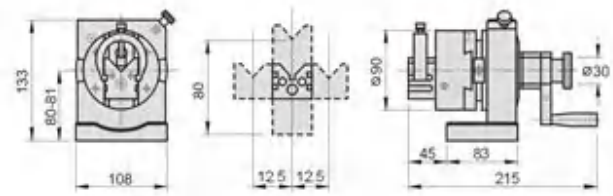
机械工具

- 中空卡盘
- 中实卡盘
- 立式卡盘
- 气动卡盘
- 生爪硬爪
- 车床刀套
- 刀座
- 精密夹头
- 手动卡盘
- 顶针
- 铣床虎钳配件
- 磨床磁盘
- 工具万力
- 线割配件
- 机床工具

双向冲子成型器 PFA

PUNCH FORMER

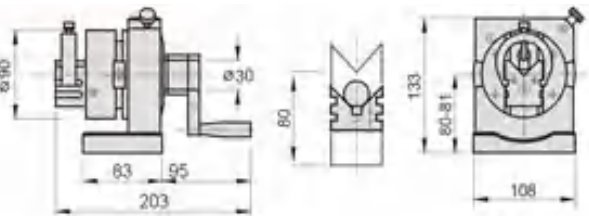
主要参数
 中心高..... 80-81毫米
 V型槽夹持直径..... 4-30毫米
 V型块调整量..... 25毫米
 滑动盘横向移动量..... ±12.5毫米
 分度盘齿数、精度..... 24、15°±5"
 修整砂轮允许直径..... 200毫米
 修整砂轮圆弧允许半径
 凸弧..... R48毫米
 凹弧..... R100毫米



单向冲子成型器 PFB

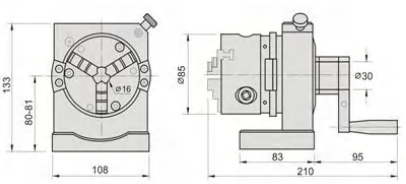
PUNCH FORMER PFB

5115-01
PFB1



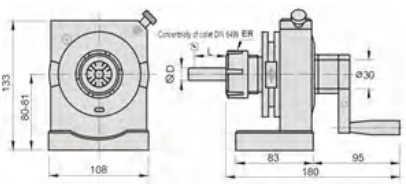
三爪冲子成型器 PFC

3-JAWS PUNCH FORMER



筒夹式ER冲子成型器 PFD

ER COLLET PUNCH FORMER



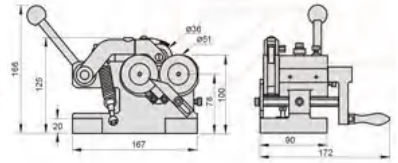
Order NO.	Model	Collet Size	Price
5125-16	PFD	1、2、3、4、6、8	7765
5125-32		4、6、8、10、12、16、20	7765
5125-40		6、8、10、12、16、20、25	8595

冲子研磨机 PGA

PUNCH GRINDER



¥2050

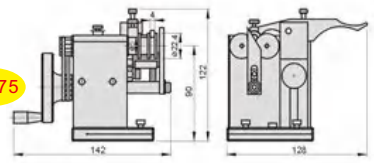


冲子研磨机 PGAS

PUNCH GRINDER



¥2875

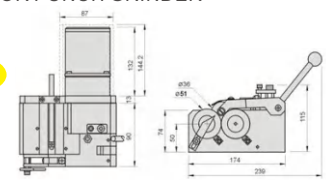


电动冲子研磨机 PGAM

MOTOR PUNCH GRINDER



¥6615



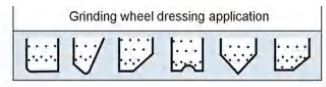
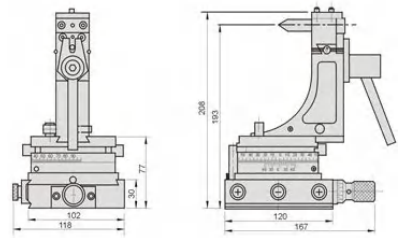
Order NO.	Model	Volts
5125-16	PFD	1、2、3、4、6、8
5125-32		4、6、8、10、12、16、20
5125-40		6、8、10、12、16、20、25

万能砂轮修整器 WDI65

UNIVERSAL WHEEL DRESSER



¥4890

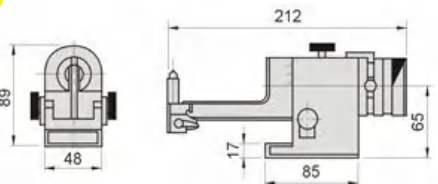


透视万能砂轮修理器 KT50

VISUAL RADIUS ANGLE DRESSER

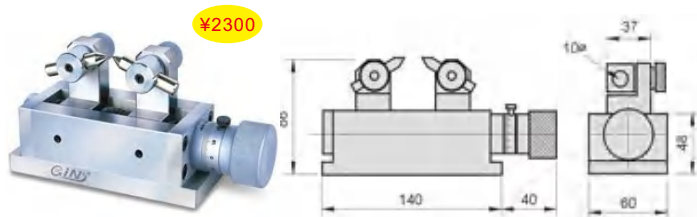


¥5750



精密砂轮厚度修理器
DF60

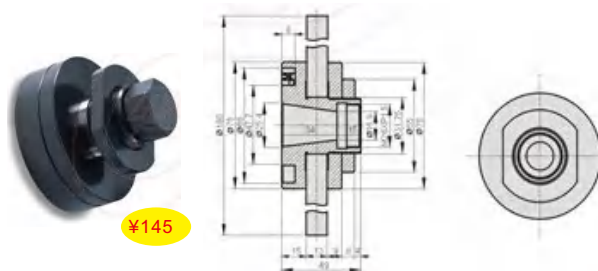
PRECISION DUPLEX DRESSER



磨床用砂轮法兰
F350

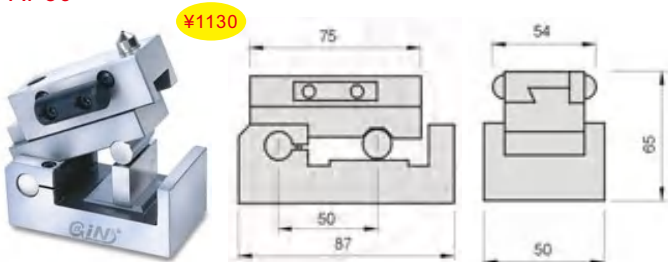
FLANGE

F350法兰用于大同磨床系列机床主轴使用



砂轮角度成型器
AP50

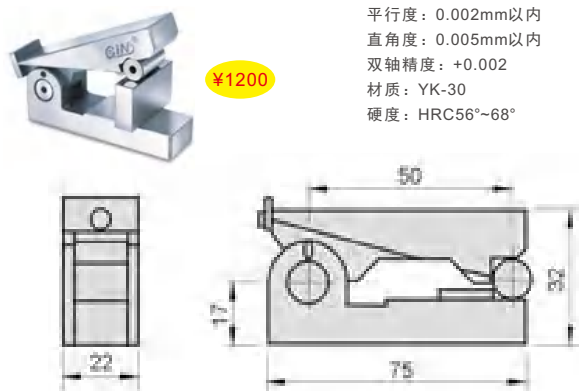
ANGLE SINE DRESSER



磁性正弦规
SB50

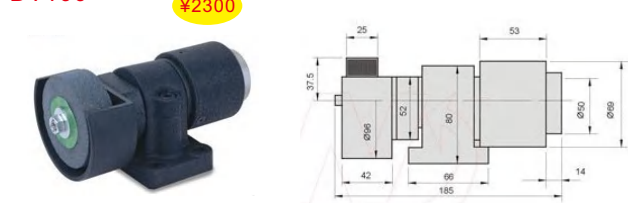
MAGNETIC SINE BAR

精度 材质
平行度: 0.002mm以内
直角度: 0.005mm以内
双轴精度: +0.002
材质: YK-30
硬度: HRC56°~68°



钻石砂轮修正器
DT100

DIAMOND CBN FLAT WHEEL TRUER



正弦规
S100

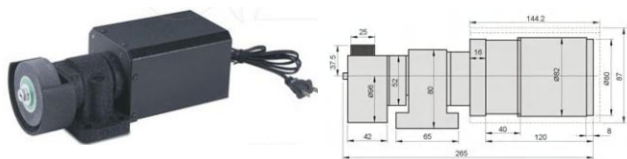
SINE BAR



电动钻石砂轮修正器

MOTORISED DIAMOND CBN FLAT WHEEL TRUER

DTM100

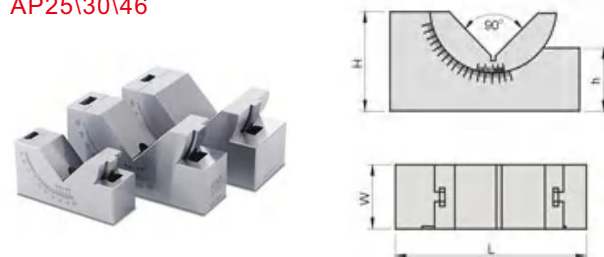


Order NO.	Model	Volts	Price
5255-110	DTM100	110V 1Phase	3740
5255-220	DTM100	220V 1Phase	3740

可调式角度垫规磁性正弦规

ADJUSTABLE ANGLE PLATES

AP25\30\46

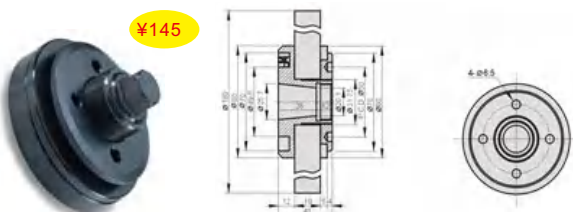


磨床用砂轮法兰

FLANGE

F250

F250法兰用于建德磨床主轴使用



Unit:mm

Order No.	Model	L	W	H	h	N.W.(Kg)	Price
5420-25	AP25	75	25	36	25	0.5	780
5420-30	AP30	102	30	49	30	1.0	900
5420-46	AP46	102	46	49	30	1.5	1020

中空卡盘

中实卡盘

立式卡盘

气动卡盘

生爪硬爪

车床刀套

刀座

精密夹头

手动卡盘

顶针

铣床虎钳配件

磨床磁盘

工具万力

线割配件

机床工具

车床卡盘

铣床虎钳

磨床磁盘

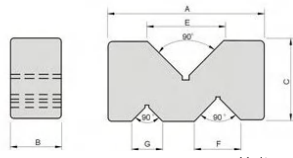
线割配件

机械工具

- 中空卡盘
- 中实卡盘
- 立式卡盘
- 气动卡盘
- 生爪硬爪
- 车床刀套
- 刀座
- 精密夹头
- 手动卡盘
- 顶针
- 铣床虎钳配件
- 磨床磁盘
- 工具万力
- 线割配件
- 机床工具
- 车床卡盘
- 铣床虎钳
- 磨床磁盘
- 线割配件
- 机械工具

B型精密V型台 VEE BLOCKS

A2-6



Unit:mm

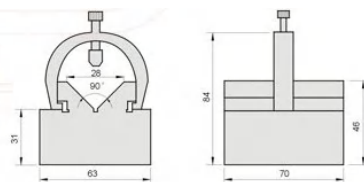
Order No.	Model	A	B	C	E	F	G	N.W.	Price
5425-02	A2	50	19	24	24	17	13	0.26kg	420
5425-03	A3	75	24	35	37	24	16	0.8kg	540
5425-04	A4	100	33	52	50	30	20	2.5kg	780
5425-05	A5	125	44	69	63	37	26	5kg	1255
5425-06	A6	150	50	80	75	45	30	7.8kg	1855

附夹V型台 A PAIR OF V BLOCKS

PV100

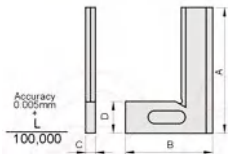
¥940

夹持范围: $\phi 2-\phi 20$



精密双刀口直角尺 HARDENED STEEL SQUARES

H304, 306, 308, 310, 312



Unit:mm

Order No.	Model	A	B	C	D	N.W.	Price
5440-04	H304	100	70	5	22	0.2kg	325
5440-06	H306	150	100	7	30	0.4kg	440
5440-08	H308	200	130	8	33	0.6kg	525
5440-10	H310	250	165	10	38	1.3kg	735
5440-12	H312	300	200	10	40	1.6kg	855

精密虎钳平行垫规 PRECISION PARALLELS SET

P85

¥820



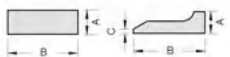
Model	W×H×L×PCS
P85	8.5×14×150×2
	8.5×16×150×2
	8.5×20×150×2
	8.5×24×150×2
	8.5×30×150×2
	8.5×32×150×2
	8.5×36×150×2
	8.5×40×150×2
8.5×44×150×2	

Unit:mm

精密虎钳平行垫规 PRECISION PARALLELS SET

P100

¥1170



Unit:mm		Unit:mm	
Body Size		Clamp Size	
A×B×L×PCS	A×B×C×L×PCS		
5×16×100×2	15×31×2.5×200×2		
6×18×100×2			
8×24×100×2			
10×30×100×2			
12×36×150×2			
14×48×150×2			
18×60×150×2			
22×362×150×2			

精密虎钳平行垫规 PRECISION PARALLELS SET

P150

¥1400



Unit:mm

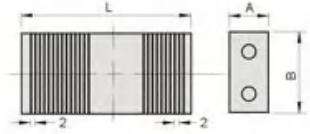
W×H×L×PCS
10×14×150×2
10×16×150×2
10×18×150×2
10×20×150×2
10×22×150×2
10×24×150×2
10×26×150×2

Unit:mm

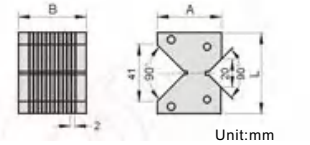
W×H×L×PCS
10×28×150×2
10×30×150×2
10×32×150×2
10×35×150×2
10×40×150×2
10×45×150×2
10×50×150×2

导磁块 MAGNETIC INDUCTION BLOCK

GT1



GT2



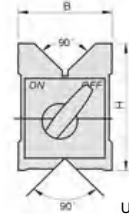
Unit:mm

Order No.	Model	A×B×L×PCS	N.W.	Price
5465-10	GT1	25×50×100-2PCS	2.2kg	680
5465-20	GT2	46×49×58-2PCS	2kg	765

磁性V型台 MAGNETIC V-BLOCK

GVH2

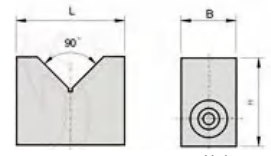
GVH1



Unit:mm

Order No.	Model	Holding Power		Dimension			N.W.	Price
		Round	Surface	B	H	Length		
5470-10	GVH1	55kgf	70kgf	56	72	80	2kg	2015
5470-20	GVH2	90kgf	110kgf	76	100	115	5.5kg	3165

磁性V型台 MAGNETIC V-BLOCK

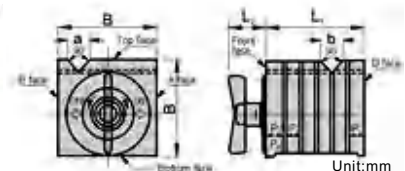


Unit:mm

Order No.	Model	Holding Power	Applicable Diameter	Dimension			N.W.	Price
				B	L	H		
5475-30	GVH30	15kgf	φ50	40	70	50	2kg	3400
5475-40	GVH40	20kgf	φ80	50	100	80	5kg	6355

方型磁性测定台 MAGNETIC SQUARE & V-BLOCK

BA1, BA2



Unit:mm

Order No.	Model	Dimension							N.W.	Price	
		B	L1	H	L2	P1	P2	P3			
5480-10	BA1	100±0.8	100±0.8	100±0.8	43	17	4	12	26±0.5	6.5kg	4040
5480-20	BA2	150±1.2	150±1.2	150±1.2	56	24.5	5	19	32±0.8	22kg	7555

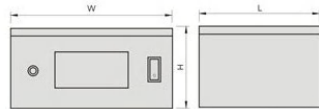
脱磁器 HANDY TYPE DEMAGNETIZER HD123



Unit:mm

Order No.	Model	POWER SOURCE	CAPACITY	DUTY CYCLE	L	W	H	N.W.	Price
5482-01-110	HD123	AC 110V	110VA	90%	128	83	83	1.8kg	1095
5482-01-220	HD123	AC 220V	110VA	90%	128	83	83	1.8kg	1095

平面脱磁器 STANDARD TYPE DEMAGNETIZER HD200



Unit:mm

Order No.	Model	POWER SOURCE	CAPACITY	DUTY CYCLE	L	W	H	N.W.	Price
5482-02-110	HD200	AC 110V	330VA	100%	150	200	100	7.5kg	2285
5482-02-220	HD200	AC 220V	330VA	100%	150	200	100	7.5kg	2285

高速钢块规 STEEL METRIC GAUGE BLOCKS



Unit:mm

Order No.	Model	Total blocks	Class	Nominal dimension(mm)	Steps (mm)	No. of blocks	N.W.	Price
5487-87-0	GB87B ₀	87	0	1.001-1.009	0.001	9	2.9	3580
5487-87-1	GB87B ₁	87	1	1.01-1.49	0.01	49		2895
5487-87-2	GB87B ₂	87	2	0.5-9.5	0.5	19		1945
5487-103-0	GB103B ₀	103	0	1.005	--	1	3.6	4790
5487-103-1	GB103B ₁	103	1	1.01-1.49	0.01	49		3240
5487-103-2	GB103B ₂	103	2	0.5-24.5	0.5	49		2245
5487-112-0	GB112B ₀	112	0	1.0005	--	1	3.7	5310
5487-112-1	GB112B ₁	112	1	1.001-1.009	0.001	9		3930
5487-112-2	GB112B ₂	112	2	1.01-1.49	0.01	49		2600

钨钢块规 CARBIDE METRIC GAUGE BLOCKS



Unit:mm

Order No.	Model	Total blocks	Class	Nominal dimension(mm)	Steps (mm)	No. of blocks	N.W.	Price
5489-87-0	GB87C ₀	87	0	1.001-1.009	0.001	9	4.6	12505
5489-87-1	GB87C ₁	87	1	1.01-1.49	0.01	49		9800
5489-87-2	GB87C ₂	87	2	0.5-9.5	0.5	19		9115
5489-103-0	GB103C ₀	103	0	1.005	--	1	5.8	13630
5489-103-1	GB103C ₁	103	1	1.01-1.49	0.01	49		10575
5489-103-2	GB103C ₂	103	2	0.5-24.5	0.5	49		9800
5489-112-0	GB112C ₀	112	0	1.0005	--	1	6.1	14440
5489-112-1	GB112C ₁	112	1	1.001-1.009	0.001	9		11540
5489-112-2	GB112C ₂	112	2	1.01-1.49	0.01	49		10825

高速钢针规 HIGH SPEED STEEL PIN GAUGE



EACH 0.01mm FOR ONE STEP SIZE

Unit:mm

Order No.	Model	Nominal Dimension EACH 0.01mm FOR 1Pcs	Total Blocks	Weight(kg)	Price
5491-0510	GB0510E	0.50,051,0.52~1.00	51	1.11	3300
5491-1015	GB1015E	1.00,1.01,1.02~1.50	51	1.13	2970
5491-1520	GB1520E	1.50,1.51,1.52~2.00	51	1.15	2970
5491-2025	GB2025E	2.00,2.01,2.02~2.50	51	1.19	2970
5491-2530	GB2530E	2.50,2.51,2.25~3.00	51	1.23	2970
5491-3035	GB3035E	3.00,3.01,3.02~3.50	51	1.27	2970
5491-3540	GB3540E	3.50,3.51,3.52~4.00	51	1.33	2970
5491-4045	GB4045E	4.00,4.01,4.02~4.50	51	1.39	2970
5491-4550	GB4550E	4.50,4.51,4.52~5.00	51	1.47	2970
5491-5055	GB5055E	5.00,5.01,5.02~5.50	51	1.55	2970
5491-5560	GB5560E	5.50,5.51,5.52~6.00	51	1.63	2970
5491-6065	GB6065E	6.00,6.01,6.02~6.50	51	1.73	2970
5491-6570	GB6570E	6.50,6.51,6.52~7.00	51	1.83	2970
5491-7075	GB7075E	7.00,7.01,7.02~7.50	51	1.95	2970
5491-7580	GB7580E	7.50,7.51,7.52~8.00	51	2.07	2970
5491-8085	GB8085E	8.00,8.01,8.02~8.50	51	2.19	2970
5491-8590	GB8590E	8.50,8.51,8.52~9.00	51	2.33	2970
5491-9095	GB9095E	9.00,9.01,9.02~9.50	51	2.47	2970
5491-95100	GB95100E	9.50,9.51,9.52~10.00	51	2.63	2970

中空卡盘

中实卡盘

立式卡盘

气动卡盘

生爪硬爪

车床刀套

刀座

精密夹头

手动卡盘

顶针

铣床虎钳配件

磨床磁盘

工具万力

线割配件

机床工具

车床卡盘

铣床虎钳

磨床磁盘

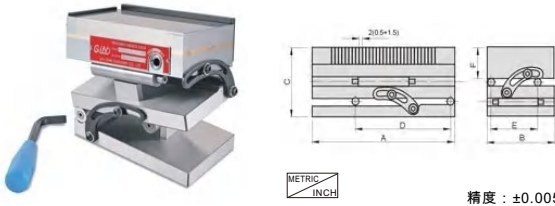
线割配件

机械工具

- 中空卡盘
- 中实卡盘
- 立式卡盘
- 气动卡盘
- 生爪硬爪
- 车床刀套
- 刀座
- 精密夹头
- 手动卡盘
- 顶针
- 铣床虎钳配件
- 磨床磁盘
- 工具万力
- 线割配件
- 机床工具
- 车床卡盘
- 铣床虎钳
- 磨床磁盘
- 线割配件
- 机械工具

复合式粗目正弦磁台

COMPOUND SINE LATE WITH MAGNETIC CHUCK
CSPM

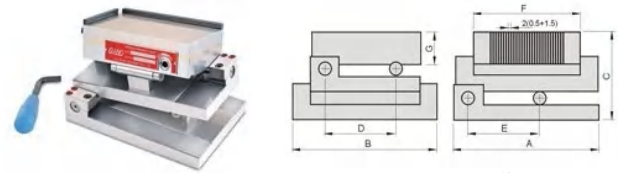


精度: ±0.005

Order No.	Model	A	B	C	D	E	F	N.W.	Price							
5512-10	5512-15	CSP47M	175	7	100	4	122	5	100	5	75	3	47	1.85	14kg	5855
5512-20	5512-25	CSP66M	150	6	150	6	122	5	100	5	100	5	47	1.85	18kg	6435
5512-22	5512-27	CSP510M	250	10	125	5	122	5	200	8	100	4	47	1.85	24kg	7605
5512-30	5512-35	CSP612M	300	12	150	6	122	5	200	10	100	5	47	1.85	35kg	9365

复合式超薄正弦磁台

COMPOUND SINE PLATE WITH FINE MAGNETIC CHUCK
CMSP

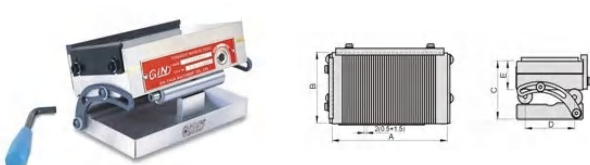


精度: ±0.005

Order No.	Model	A	B	C	D	E	F	G	N.W.	Price						
5522-35	5522-351	CMSP35S	175	7	100	4	122	5	100	5	75	3	47	1.85	14kg	5855
5522-47	5522-471	CMSP47S	225	9	150	6	122	5	100	5	100	5	47	1.85	18kg	6435
5522-66	5522-661	CMSP66S	200	8	200	6	122	5	100	5	150	5	47	1.85	21.5kg	10530
5522-510	5522-5101	CMSP510S	300	12	150	6	122	5	100	4	200	10	47	1.85	28kg	11700

筒式细目正弦磁台

SPS
ECONOMY SINE PLYATE WITH FINE MAGNETIC CHUCK

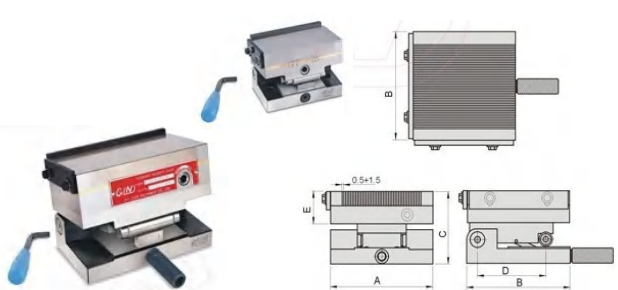


精度: ±0.005

Order No.	Model	A	B	C	D	E	N.W.	Price						
5515-10	5515-15	SP47S	175	7	100	4	87	3.4	75	3	47	1.85	10.2kg	4975
5515-20	5515-25	SP66S	150	6	150	6	87	3.4	100	5	47	1.85	15kg	5270
5515-22	5515-27	SP510S	250	10	125	5	87	3.4	100	4	47	1.85	19kg	6435
5515-30	5515-35	SP612S	300	12	150	6	87	3.4	100	5	47	1.85	28kg	8780

微调式正弦磁台

FINE ADJUSTMENT SINE PLATE WITH MAGNETIC CHUCK

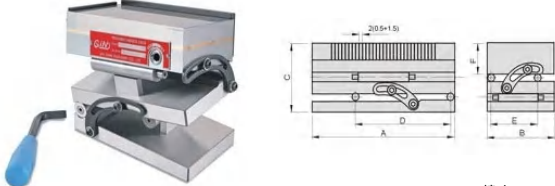


精度: ±0.005 Unit:mm

Order No.	Model	A	B	C	D	E	N.W.	Price
5535-35	MSP35SA	130	75	83	50	37	5.5kg	8190
5535-47	MSP47SA	175	100	92	75	41	11.5kg	9365
5535-66	MSP66SA	150	150	92	100	41	15kg	10530

复合式细目正弦磁台

COMPOUND SINE PLATE WITH FINE MAGNETIC CHUCK
CSPS

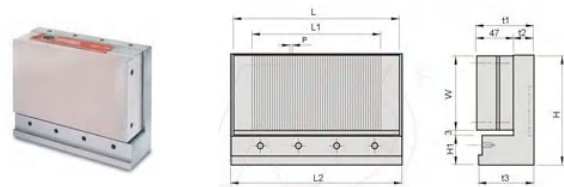


精度: ±0.005

Order No.	Model	A	B	C	D	E	F	N.W.	Price							
5516-10	5516-15	CSP47S	175	7	100	4	122	5	100	5	75	3	47	1.85	14kg	6435
5516-20	5516-25	CSP66S	150	6	150	6	122	5	100	5	100	5	47	1.85	18kg	7020
5516-22	5516-27	CSP510S	250	10	125	5	122	5	200	8	100	4	47	1.85	24kg	8190
5516-30	5516-35	CSP612S	300	12	150	6	122	5	200	10	100	5	47	1.85	35kg	10530

垂直形永磁吸盘

PERMANENT MAGNETIC CHUCK (VERTICAL TYPE)
MWS

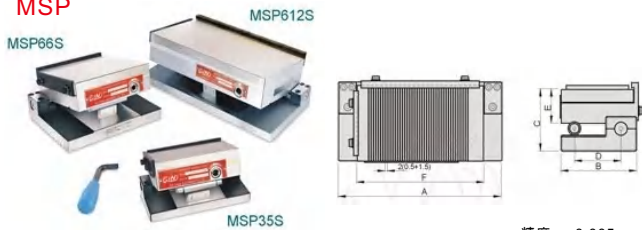


精度: ±0.002 Unit:mm

Order No.	Model	Top plate		Bottom plate		Thickncss		Height		Pole pitch P	N.W.	Price	
		W	L	L1	L2	t1	t2	H	H1				
5536-307	MW307S	75	175	130	180	65	67	20	111	30	1+1	10kg	7805
5536-407	MW407S	100	175	130	180	65	67	20	136	30	1+1	13kg	10075
5536-510	MW510S	125	250	205	255	65	67	20	161	30	1+1	23kg	13000

一体超薄正弦磁台

SINE PLATE WITH FINE MAGNETIC CHUCK
MSP

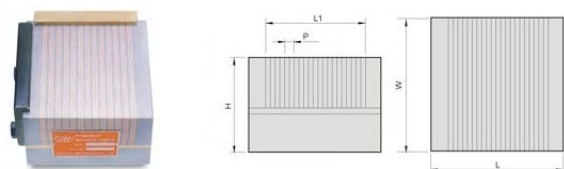


精度: ±0.005

Order No.	Model	A	B	C	D	E	F	N.W.	Price							
5520-35	5520-351	MSP35S	175	7	100	4	122	5	100	5	75	3	47	1.85	14kg	5855
5520-47	5520-471	MSP47S	225	9	150	6	122	5	100	5	100	5	47	1.85	18kg	6435
5520-66	5520-661	MSP66S	200	8	200	6	122	5	100	5	150	5	47	1.85	21.5kg	10530
5520-510	5520-5101	MSP510S	300	12	150	6	122	5	100	4	200	10	47	1.85	28kg	11700
5520-412	5520-4121	MSP412S	350	14	102	5	87	3.4	75	3	47	1.85	300	12	19kg	9365
5520-612	5520-6121	MSP612S	350	14	152	6	87	3.4	100	5	47	1.85	300	12	28kg	10530

超硬合金用永磁吸盘

PERMANENT MAGNETIC CHUCK (FORHARD ALLOY MATERIAL)
MTM

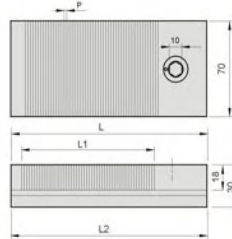


精度: ±0.005 Unit:mm

Order No.	Model	Nominal Dimension	Top plate			Pole pitch P	Height H	N.W.	Price
			W	L	L1				
5537-404	MT404H	105×105	105	105	69	6(1+1)+(1+3)	60	5.2kg	10800
5537-407	MT407H	105×180	105	180	145	6(1+1)+(1+3)	60	9.0kg	19210

超薄形永磁吸盘 (不锈钢)

SUPER THIN TYPE PERMANENT MAGNETIC CHUCK
MTS



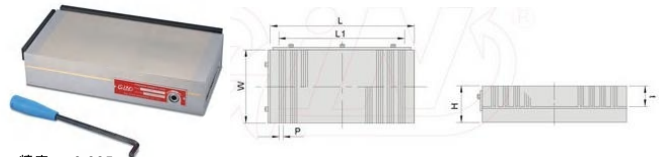
精度: ±0.005

Unit:mm

Order No.	Model	Nominal Dimension	Top plate		Pole pitch P	Bottom plate L2	N.W.	Price
			L	L1				
5539-305	MT305S	70x130	130	77	1.4(0.4+1)	130	2.2kg	5870
5539-307	MT307S	70x175	175	122	1.4(0.4+1)	175	2.9kg	6955

细目永磁吸盘

MICROPITCH PERMANENT MAGNETIC CHUCK



精度: ±0.005

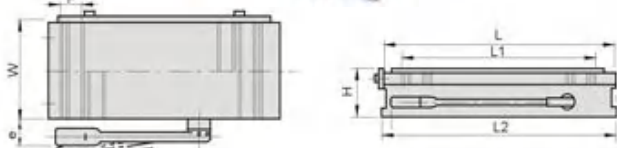
Unit:mm

Order No.	Model	Nominal Dimension	W	L	L1	P	t	H	N.W. (Kg)	Price
5548-02	CP-407V	100x175	100	175	145	0.5+1.5	20	52	8kg	2045
5548-04	CP-606V	150x150	150	150	115		20	52	8kg	2525
5548-06	CP-510V	125x250	125	250	207		20	52	13kg	3190
5548-08	CP-612V	150x300	150	300	257		23	60	21kg	4545
5548-10	CP-614V	150x350	150	350	305		23	60	25kg	5345
5548-11	CP-616V	150x400	150	400	357		23	60	28kg	6130
5548-12	CP-618V	150x450	150	450	405		23	60	32kg	6870
5548-14	CP-816V	200x400	200	400	357		23	60	37kg	8080
5548-16	CP-818V	200x450	200	450	405		23	60	43kg	8980
5548-18	CP-820V	200x500	200	500	457		23	60	53kg	10130

粗目永磁夹盘

PERMANENT MAGNETIC CHUCK

AY



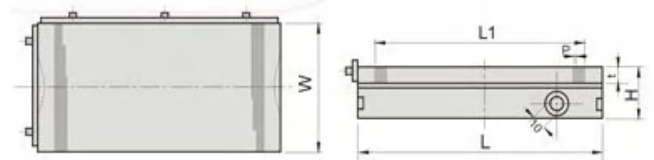
精度: ±0.005

Unit:mm

Order No.	Model	Nominal Dimension	W	L	L1	P	L2	e	H	N.W. (Kg)	Price
5540-02	CP-1018AY	100x175	100	175	134	1.6+2 +1.6+6	187	42	52	7	2560
5540-04	CP-1025AY	100x250	100	250	204		262	42		9	3555
5540-06	CP-1030AY	100x300	100	300	260		312	42		11	4260
5540-08	CP-1325AY	125x250	125	250	204		262	40		12	4420
5540-10	CP-1530AY	150x300	150	300	260		312	32.5		16	6272
5540-12	CP-1535AY	150x350	150	350	316		362	38.5		19	6930
5540-13	CP-1540AY	150x400	150	400	356		412	38.5	22	7930	
5540-14	CP-1545AY	150x450	150	450	414		452	38.5	24	8915	
5540-16	CP-2035AY	200x350	200	350	302		362	36.5	25	9175	
5540-18	CP-2040AY	200x400	200	400	344		412	36.5	29	10160	
5540-20	CP-2045AY	200x450	200	450	400		462	36.5	32	11320	
5540-22	CP-2050AY	200x500	200	500	456		512	36.5	36	11960	

强力永磁细目夹盘

POWERFUL MICROPITCH PERMANENT MAGNETIC CHUCK



精度: ±0.005

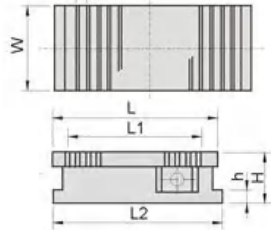
Unit:mm

Order No.	Model	Nominal Dimension	W	L	L1	t	P	H	N.W. (Kg)	Price
5550-02	CP-407W	100x175	100	175	125	18	2 (1+1)	52	7	3415
5550-04	CP-606W	150x150	150	150	110				9	3985
5550-06	CP-510W	125x250	125	250	205				12	4880
5550-08	CP-612W	150x300	150	300	246				24	6235
5550-10	CP-614W	150x350	150	350	296				24	7235
5550-12	CP-618W	150x450	150	450	390				31	9210
5550-14	CP-816W	200x400	200	400	349		37	11055		
5550-16	CP-818W	200x450	200	450	390		41.5	12190		
5550-18	CP-820W	200x500	200	500	446		46	13325		

强力永磁夹盘

POWERFUL ANGULAR PERMANENT MAGNETIC CHUCK

A



精度: ±0.005

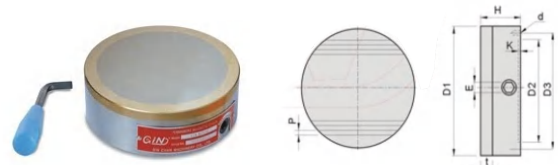
Unit:mm

Order No.	Model	Nominal Dimension	W	L	L1	P	L2	e	H	N.W. (Kg)	Price
5545-02	CP-407A	100x175	100	175	125	1.6+2 +1.6+6	187	13	52	7.3	2695
5545-04	CP-510A	125x250	125	250	200		262			10.4	4665
5545-06	CP-612A	150x300	150	300	246		312			15.1	6635
5545-08	CP-614A	150x350	150	350	296		362			17.4	7340
5545-09	CP-616A	150x400	150	400	346		412			18.9	8400
5545-10	CP-618A	150x450	150	450	396		462			20.1	9440
5545-12	CP-816A	200x400	200	400	346		412	26.0	10770		
5545-14	CP-818A	200x450	200	450	390		462	30.1	12000		
5545-16	CP-820A	200x500	200	500	446		512	35.7	12700		
5545-18	CP-1020A	250x500	200	500	446		512	45.6	15575		

圆形细目精密永磁吸盘

ROUND MICROPTICH PERMANENT MAGNETIC CHUCK

MCD



精度: ±0.005

Unit:mm

Order No.	Model	D1	D2	D3	K	d	P	H	t	E	N.W. (Kg)	Price
5553-080	MCD80	80	50	66	4	M6	0.5+1.5	50	10	8	1.8	2085
5553-100	MCD100	100	60	75	4						2.8	2795
5553-130	MCD130	130	90	115	4						5	3655
5553-150	MCD150	150	110	132	4						7	4930
5553-160	MCD160	160	120	140	4						8	5640
5553-200	MCD200	200	160	180	5						12.5	8140
5553-250	MCD250	250	200	225	5	19.5		11240				
5553-300	MCD300	300	230	260	5	28.5		15555				
5553-350	MCD350	350	230	260	5	39		23365				
5553-405	MCD405	405	230	260	5	52		26690				

中空卡盘

中实卡盘

立式卡盘

气动卡盘

生爪硬爪

车床刀套

刀座

精密夹头

手动卡盘

顶针

铣床虎钳配件

磨床磁盘

工具万力

线割配件

机床工具

车床卡盘

铣床虎钳

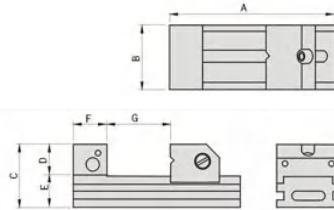
磨床磁盘

线割配件

机械工具

超精密工具万力

SUPER PRECISION TOOL MAKER VISE



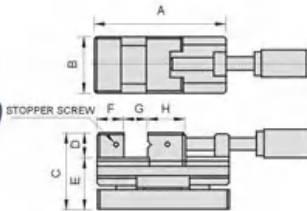
材质: SKS3
 硬度: HRC58°~62°
 深冷处理: -185°C
 平行精密度: 100mm/0.002mm内
 垂直精密度: 100mm/0.003mm内

Order No.	Model	A	B	C	D	E	F	G	N.W. (Kg)	Price
5669-30	VV30	190	73	70	35	35	38	0-100	4.6kg	7335
5669-40	VV40	230	98	80	40	40	46	0-125	11.4kg	11160
5669-50	VV50	300	125	98	50	50	60	0-160	18.5kg	21980
5669-60	VV60	350	150	100	50	50	60	0-210	24.9kg	26210

精密级侧向正弦万力

PRECISION SINE VISE

L50

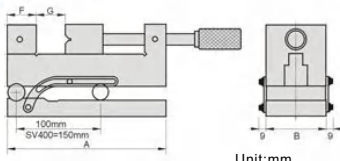


Model	A	B	C	D	E	F	G	H	I	Max. angle	N.W. (kg)	Price
L50	160	73	93	30	63	33	80	45	M5	46°	6.5	6300

手转正弦万力

TOOL MAKER SINE VISE

SV200、250、300、400



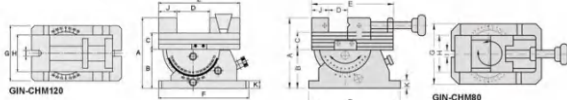
Order No.	Model	A	B	C	D	E	F	G	N.W. (Kg)	Price
5735-200	SV200	156	48	89	25	27	25	0-65	4.4kg	2155
5735-250	SV250	176	63	99	30	33	30	0-75	7kg	2455
5735-300	SV300	190	73	110	35	38	35	0-79	9kg	2750
5735-400	SV400	255	98	121	45	42	45	0-124	16kg	3890

万向精密虎钳

PRECISION UNIVERSAL VISE



GIN-CHM80



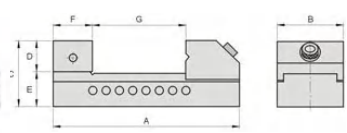
水平回转360°, 垂直倾斜45°

Order No.	Model	A	B	C	D	E	F	G	H	I	J	K	N.W. (Kg)	Price
5745-80	CHM80	137	75	32	80	160	180	110	70	12.5	32	15	14kg	5000
5745-120	CHM120	231	128	53	110	270	300	180	120	18	60	25	43kg	19635

VB工具万力

TOOL MAKER VISE

VB15-VB50



Order No.	Model	A	B	C	D	E	F	G	N.W. (Kg)	Price
5718-15	VB15	100	36	48	20	28	25	0-40	1kg	600
5718-20	VB20	150	50	53	25	28	30	0-80	1.8kg	750
5718-25	VB25	175	63	63	32	31	35	0-90	3.3kg	900
5718-30	VB30	190	73	70	35	35	35	0-100	4.3kg	1000
5718-35	VB35	235	88	80	40	40	40	0-130	7.5kg	1450
5718-40	VB40	245	100	90	45	45	45	0-130	10kg	1800
5718-50	VB50	285	125	100	50	50	45	0-160	15kg	2610

一寸工具万力

TOOL MAKER VISE (SMALL)

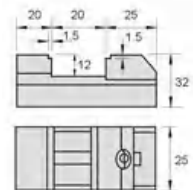
VS10

精度: ±0.003MM以内

N.W.0.3kg



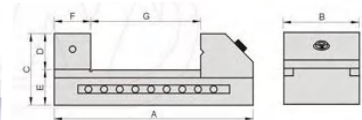
¥455



成型工具万力

TOOL MAKER VISE

VS



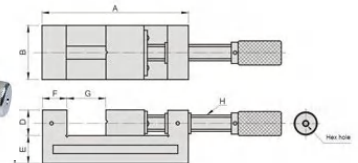
Order No.	Model	A	B	C	D	E	F	G	N.W. (Kg)	Price
5720-15	VS15	100	36	48	20	28	25	0-40	1kg	655
5720-20	VS20	150	50	53	25	28	30	0-80	1.8kg	800
5720-25	VS25	175	63	63	32	31	35	0-90	3.3kg	1000
5720-30	VS30	190	73	70	35	35	35	0-100	4.3kg	1100
5720-35	VS35	235	88	80	40	40	40	0-130	7.5kg	1545
5720-40	VS40	245	100	90	45	45	45	0-130	10kg	1900

手转工具万力

TOOL MAKER VISE

VSD20、25、30、40

材质SK2, 水平度在0.003mm, 垂直度在0.005mm.



Order No.	Model	A	B	C	D	E	F	G	N.W. (Kg)	Price
5740-20	VSD20	156	48	52	25	27	25	0-65	2.5kg	1200
5740-25	VSD25	176	63	63	30	33	30	0-75	4.5kg	1400
5740-30	VSD30	190	73	73	35	38	35	0-79	6kg	1700
5740-40	VSD40	255	98	82	40	42	40	0-124	12kg	2600

中空卡盘

中实卡盘

立式卡盘

气动卡盘

生爪硬爪

车床刀套

刀座

精密夹头

手动卡盘

顶针

铣床虎钳配件

磨床磁盘

工具万力

线割配件

机床工具

车床卡盘

铣床虎钳







磨床磁盘

线割配件

机械工具

线切割万力

Wire cutting tool vise

VH20	VH50	EVH20	WPV50	WPV100	WPV150	WPV320
N31 	N31 	N32 	N33 	N33 	N33 	N34 
线切割/电极万力 1寸不锈钢电极万力 磨床配件	线切割/电极万力 1.5寸不锈钢电极万力 磨床配件	线切割/电极万力 1寸电极万力 磨床配件	线切割/电极万力 线切割万力 磨床配件	线切割/电极万力 线切割万力 磨床配件	线切割/电极万力 线切割万力 磨床配件	线切割/电极万力 线切割万力 磨床配件

中空
卡盘

中实
卡盘

立式
卡盘

气动
卡盘

生爪
硬爪

车床
刀套

刀座

精密
夹头

手动
卡盘

顶针

铣床
虎钳
配件

磨床
磁盘

工具
万力

线割
配件

机床
工具

车床
卡盘

铣床
虎钳

磨床
磁盘

磨床
磁盘

线割
配件

机械
工具

中空
卡盘

中实
卡盘

立式
卡盘

气动
卡盘

生爪
硬爪

车床
刀套

刀座

精密
夹头

手动
卡盘

顶针

铣床
虎钳
配件

磨床
磁盘

工具
万力

线割
配件

机床
工具

车床
卡盘

铣床
虎钳

磨床
磁盘

线割
配件

机械
工具

中空卡盘

中实卡盘

立式卡盘

气动卡盘

生爪硬爪

车床刀套

刀座

精密夹头

手动卡盘

顶针

铣床虎钳配件

磨床磁盘

工具万力

线割配件

机床工具

车床卡盘

铣床虎钳

磨床磁盘

线割配件

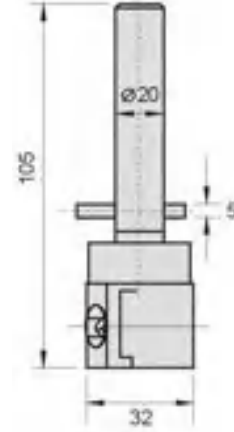
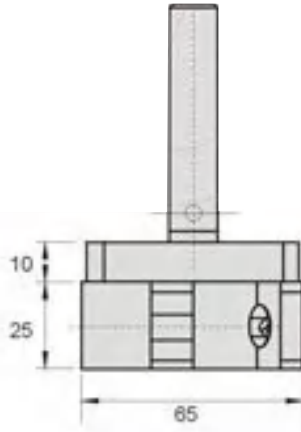
机械工具

一寸不锈钢电极万力

ELECTRODE HOLDER(STAINLESS STEEL)
VH20



¥900

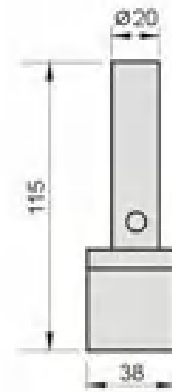
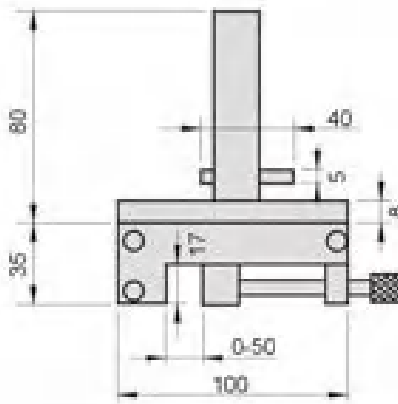


1.5寸不锈钢电极万力

ELECTRODE HOLDER(STAINLESS STEEL)
VH50



¥1975

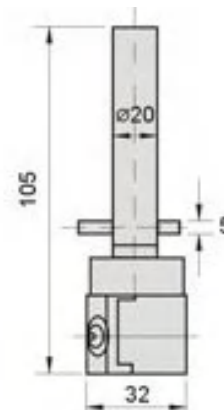
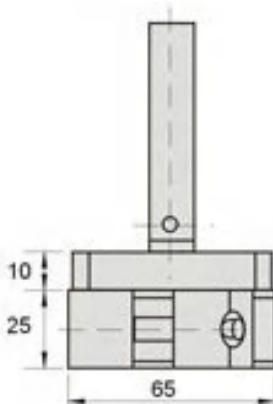


一寸电极万力 ELECTRODE HOLDER
EHV20

N.W.0.8kg



¥750



Material	Sk2
Parallelism	Within 0.003mm/100mm
Squareness	Within 0.005mm/100mm
Harden treatment up to HRC56°~60°	

中空卡盘

中实卡盘

立式卡盘

气动卡盘

生爪硬爪

车床刀套

刀座

精密夹头

手动卡盘

顶针

铣床虎钳配件

磨床磁盘

工具万力

线割配件

机床工具

车床卡盘

铣床虎钳

磨床磁盘

线割配件

机械工具

中空卡盘

中实卡盘

立式卡盘

气动卡盘

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磨床磁盘

工具万力

线割配件

机床工具

车床卡盘

铣床虎钳

磨床磁盘

线割配件

机械工具

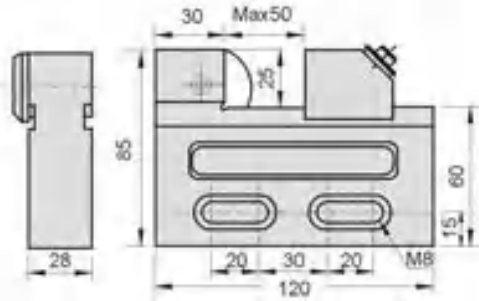
线切割万力

PRECISION VISE OF STAINLESS STEEL FOR EDM

WPV50 材质：不锈钢 精度：±0.002mm以内



¥2335



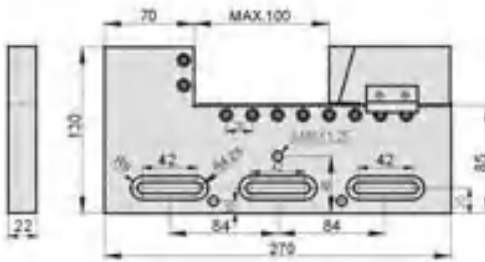
线切割万力

PRECISION VISE OF STAINLESS STEEL FOR EDM

WPV100 材质：不锈钢 精度：±0.002mm以内



¥9565



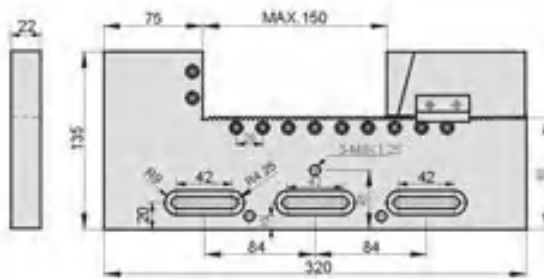
线切割万力

PRECISION VISE OF STAINLESS STEEL FOR EDM

WPV150 材质：不锈钢 精度：±0.002mm以内



¥10765



机械工具

Mechanical tools

中空卡盘	端铣刀研磨机	快速钻头研磨	快速钻头研磨	万能磨刀机	高速切断机	高速切断研磨	铣刀卧式倒角	砂轮卧式倒角
中实卡盘	N37	N37	N37	N37	N37	N37	N37	N37
立式卡盘								
气动卡盘	刀具研磨级 端铣刀研磨机 机械工具	刀具研磨级 快速钻头研磨机 机械工具	刀具研磨级 快速钻头研磨机 机械工具	刀具研磨级 万能磨刀机 机械工具	高速切断 高速切断 机械工具	高速切断研磨 高速切断研磨机 机械工具	倒角机 平面铣刀卧式倒角机 机械工具	倒角机 砂轮卧式倒角机 机械工具
生爪硬爪	侧铣式倒角机	侧铣刀卧式	平面铣刀倒角	平面卧式倒角	砂轮式倒角机	砂轮卧式倒角机	纱布轮式倒角机	纱布轮卧式
车床刀套	N38	N38	N38	N38	N38	N38	N38	N38
刀座								
精密夹头	倒角机 侧铣式倒角机 机械工具	倒角机 侧铣刀卧式倒角机 机械工具	倒角机 平面铣刀式倒角机 机械工具	倒角机 平面铣刀卧式倒角机 机械工具	倒角机 砂轮式倒角机 机械工具	倒角机 砂轮卧式倒角机 机械工具	倒角机 纱布轮式倒角机 机械工具	倒角机 纱布轮卧式倒角机 机械工具
手动卡盘	手提式倒角机	直角手提倒角	强力手提倒角	气动手提倒角	不规则手提倒角	万向磁性座	万向磁性座	起重器
顶针	N38	N38	N38	N38	N38	N39	N39	N40
铣床虎钳配件								
磨床磁盘	倒角机 手提式倒角机 机械工具	倒角机 直角手提式倒角机 机械工具	倒角机 强力手提式倒角机 机械工具	倒角机 气动手提式倒角机 机械工具	倒角机 不规则式手提倒角机 机械工具	磁性工具 万向磁性座 机械工具	磁性工具 万向磁性座 机械工具	磁性工具 起重器 机械工具
工具万力	平行压板	调节螺丝	万能A型压板	朱氏压板	朱氏压板	压规	压规	螺丝
线割配件	N41	N41	N41	N42	N42	N43	N43	N43
机床工具								
车床卡盘	东波加硬平行压板 淬火处理 机械工具	轿车行压板用调节螺 丝长53-118 机械工具	神力锻打万能A型压板 A型16 机械工具	朱氏压板(海天专配) 55#钢热处理硬度 机械工具	朱氏压板(海天专配) 55#钢热处理硬度 机械工具	普通压规 机械工具	普通三角规 直角边高度40-115 机械工具	马模螺丝(双头螺丝) 10.9级 机械工具
铣床虎钳	螺帽	丝杆	螺杆	吊环	G字夹	千斤顶	吊环螺丝	弓形卸扣
磨床磁盘	N44	N44	N44	N45	N46	N46	N47	N47
线割配件								
机械工具	加大大对边垫帽 10.9级 机械工具	加硬全牙丝杆(1米长) 10.9级 机械工具	加硬菱形螺杆(双台T型) 10.9级 机械工具	G80高级万向旋转吊环 公制 机械工具	神力美式重型G字夹 C热处理锻打 机械工具	螺旋重型千斤顶 顶高50-300 机械工具	台湾国吊环螺丝 麻钢拉令 机械工具	模锻弓形卸扣 不带保险 机械工具
机械工具	压板	脚垫	平夹	垫铁	拉杆	火花机	铜工具夹具元/台	攻牙机系列
机械工具	N47	N47	N48	N48	N48	N48	N48	N48
机械工具								
机械工具	58件组合压板 普通配机型 机械工具	机床避震脚垫 注塑机 机械工具	有阻式直角平夹 曲铮 机械工具	机床斜度调整垫铁 机械工具	45号钢加硬铣床拉杆 热处理 机械工具	取断丝锥火花机 600W/800W新款 机械工具	铜工具夹具元/台 2排/4排 机械工具	攻牙机系列 气动/电动 机械工具

垃圾片	尼龙胶塞	堵头	止水栓	止付螺丝	控制器	风机	快速接头
N48  加硬精磨垃圾片系列 外径11-30 机械工具	N49  普通尼龙胶塞 袋装 机械工具	N49  铜喉塞 铜堵头 机械工具	N49  模具止水栓 红色氟胶圈 机械工具	N49  公制止付螺丝 铁堵头1.5牙距 机械工具	N49  分流控制器 水排 机械工具	N49  CNC节能风机 机械工具	N50  模具快速接头 快速母头 机械工具
水咀	机油咀	机油咀	外牙	倒角刀	修边工具		
N50  加厚铁水咀 表面镀铜处理 机械工具	N50  加厚铜模温机油咀 3分美制(9/16/18牙) 机械工具	N50  加厚铜模温机油咀 表面镀铜处理 机械工具	N50  加厚铁内外牙 表面镀铜处理 机械工具	N51  倒角刀 机械工具	N52  去毛刺, 精密修边工具系列 机械工具		

中空卡盘

中实卡盘

立式卡盘

气动卡盘

生爪硬爪

车床刀套

刀座

精密夹头

手动卡盘

顶针

铣床虎钳配件

磨床磁盘

工具万力

线割配件

机床工具

车床卡盘

铣床虎钳

磨床磁盘

线割配件

机械工具

中空
卡盘

中实
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配件

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磁盘

工具
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线割
配件

机床
工具

车床
卡盘

铣床
虎钳

磨床
磁盘

线割
配件

机械
工具

端铣刀研磨机

END MILL RE-SHARPENER
MG413

¥18400



型号	Model	6600
研磨范围	Drill Diameter	φ4mm~φ13mm
角度	Point Angle	
砂轮	Dresser	SDC钻石砂轮#300 (用于4mm-6mm) SDC钻石砂轮#300/#120 (用于7mm-13mm)
马达	Motor	3/4HP 450W
转速	R.P.M	6000R.P.M
电源	Power Supply	AC110V\AC220V(单相)
重量	Weight	17kg

型号	Model	Volts
6600-110	MG413	110V
6600-220		220V

快速钻头研磨机

DRILL RESHARPENING MACHINE
DG213

¥9200



型号	Model	66002-01
研磨范围	Drill Diameter	Φ2mm-Φ13mm
先端角范围	Point Angle	90°~135°
电源	Power Supply	AC110V\AC220V(单相)
马达	Motor	1/3HP 250W
转速	R.P.M	5500R.P.M
重量	Weight	8.5kg

型号	Model	Volts
6602-01-110	DG213	110V
6602-01-220		220V

快速钻头研磨机

DRILL RESHARPENING MACHINE
DG1226

¥18395



型号	Model	66002-02
研磨范围	Drill Diameter	Φ12mm-Φ26mm
先端角范围	Point Angle	90°~135°
电源	Power Supply	AC110V\AC220V(单相)
马达	Motor	1/2HP 450W
转速	R.P.M	2500R.P.M
重量	Weight	26kg

型号	Model	Volts
6602-02-110	DG1226	110V
6602-02-220		220V

万能磨刀机

UNIVERSAL GRINDING CUTTER
U2



¥16100

规格：
允许夹持直径：18mm
允许研磨直径：25mm
锥拔角度：0~180°
离隙角：0~45°
负锥拔角度：0~26°
主轴转速：3600rpm
血型砂轮直径：100×50×20mm
马达：1/3HP 220V/380V 50/60Hz
机台尺寸：L450×W400×H350mm

高速切断机

HIGH SPEED CUT-OFF MACHINE
TY280

¥12420



Order No.	Model	允许切断范围	切割公差	砂轮片尺寸		
				外径	厚度	内径
6605-110	TY280-110	φ20 100mm(宽)	20±0.10mm	150mm	1mm	19.05mm
6605-220	TY280-220	φ20 100mm(宽)	20±0.10mm	150mm	1mm	19.05mm

Order No.	Model	转速 R.P.M	电压	定位尺长度	重量 (kg)
6605-110	TY280-110	3600	1/2HP 110单相	300mm	86
6605-220	TY280-220	3600	1/2HP 220单相	300mm	86

精密切断研磨机

PRECISION CUTTING & MILLING MACHINE
TY300、500、600



适合模具、圆柄，不锈钢等，要求精密切割面之加工件
切断，研磨一次完成，可缩短工作时间，切断面角度精度
采快速夹具设计，夹持方便快速
微调分厘卡，可快速定位尺寸
研磨砂轮，使用中可随时微调调整，尺寸不变
稳定性高，磨损率低，使用寿命长
尺寸：L430×W380×H540mm

备注：“CE”表示是一种欧盟安全认证贴标

Order No.	Model	切割精度	直角精度	砂轮片尺寸 R.P.M	电压	定位尺长度	重量 (kg)	Price						
6608-01	TY-300×110V	φ25-φ300±0.01	φ25-90°±0.01	3600	3/4HP 110单相	300mm	87.5	-						
6608-02	TY-300×110V-CE							-						
6608-03	TY-300×220V							22500						
6608-04	TY-300×220V-CE							-						
6608-05	TY-300×380V							20000						
6608-06	TY-300×380V-CE							-						
6608-07	TY-500×110V							φ25-φ300±0.02	φ25-90°±0.02	3600	3/4HP 110单相	500mm	91.5	-
6608-08	TY-500×110V-CE													-
6608-09	TY-500×220V													23100
6608-10	TY-500×220V-CE													-
6608-11	TY-500×380V													20600
6608-12	TY-500×380V-CE													-
6608-13	TY-600×110V	φ25-φ300±0.03	φ25-90°±0.03	3600	3/4HP 110单相	600mm	93.5							-
6608-14	TY-600×110V-CE													-
6608-15	TY-600×220V													23700
6608-16	TY-600×220V-CE													-
6608-17	TY-600×380V													21200
6608-18	TY-600×380V-CE													-

V型平面铣刀卧式倒角机

V SHAPED CHAMFERING MACHINE
(FACE MILLING CUTTER TYPE)

¥8025

Order No.	Model	倒角能力	回转速	电压	净重	毛重	装箱尺寸
6609-110	VCMC500	0~3mm	3600R.P.M	110V	26kg	28kg	53×42×41cm
6609-220				220V			
6609-380				380V			



V型砂轮卧式倒角机

V SHAPED CHAMFERING MACHINE
(GRINDING WHEEL TYPR)
VCMW500

¥8025

Order No.	Model	倒角能力	回转速	电压	净重	毛重	装箱尺寸
6609-01-110	VCMW500	0~3mm	3600R.P.M	110V	26kg	28kg	53×42×41cm
6609-01-220				220V			
6609-01-380				380V			



侧铣刀式倒角机 SIDE MILLING CHAMFERING MACHINE GH500A



¥5230

规格：
尺寸：L500×W320×H320
电压：单相110V/220V,三相220V/380V
马力：1HP.50~60Hz
速度：3500R.P.M
倒角高度：0~3mm
倒角调整角度范围：15°~45°

侧铣刀卧式倒角机 CHAMFERING MACHINE (SIDE CUTTER TYPE) CMS500



¥7335

Order No.	Model	倒角能力	回转速	电压	净重	毛重	装箱尺寸
6610-01-110	CMS500	0~3mm	3600R.P.M	110V	28kg	30kg	53×42×41cm
6610-01-220				220V			
6610-01-380				380V			

平面铣刀式倒角机 FLAT SURFACE MILLING CHAMFERING MACHINE GH500B



¥5920

规格：
尺寸：L500×W320×H460
电压：单相110V/220V,三相220V/380V
马力：1HP.50~60Hz
速度：3500R.P.M
倒角高度：0~3mm
倒角调整角度范围：45°

平面铣刀卧式倒角机 CHAMFERING MACHINE (FACE MILLING CUTTER TYPE) CMC500N

¥8025



Order No.	Model	倒角能力	回转速	电压	净重	毛重	装箱尺寸
6613-01-110	CMC500N	0~3mm	3600R.P.M	110V	29kg	31kg	53×42×41cm
6613-01-220				220V			
6613-01-380				380V			

砂轮式倒角机 BOWI WHEEL CHAMFERING MACHINE GH500C



¥5920

规格：
尺寸：L500×W320×H320mm
砂轮尺寸：125×31.75×厚50mm.#60(V6型)
电压：单相110V/220V,三相220V/380V
马力：1HP.50~60Hz
滑轨长度：500mm
速度：3500R.P.M
倒角高度：0~3mm
倒角调整角度范围：45°

砂轮卧式倒角机 CHAMFERING MACHINE (GRINDING WHEEL TYPE) CMW500N

¥7765



Order No.	Model	倒角能力	回转速	电压	净重	毛重	装箱尺寸
6615-01-110	CMW500N	0~3mm	3600R.P.M	110V	28kg	30kg	53×42×41cm
6615-01-220				220V			
6615-01-380				380V			

砂布轮式倒角机 DISK ESPER CHAMFERING MACHINE GH300

¥6990



规格：
尺寸：L380×W320×H310mm
砂轮尺寸：外径165内径22mm
电压：单相110V/220V,三相220V/380V
马力：1HP.50~60Hz
滑轨长度：500mm
速度：3500R.P.M
倒角高度：0~3mm
倒角调整角度范围：45°

砂布轮卧式倒角机 CHAMFERING MACHINE (SANDING WHEEL TYPE) CMS320

¥6210



Order No.	Model	倒角能力	回转速	电压	净重	毛重	装箱尺寸
6620-01-110	CMS320	0~1mm	3600R.P.M	110V	24kg	26kg	53×42×41cm
6620-01-220				220V			

手提式倒角机 PORTABLE REGULAR TYPE CHAMFERING MACHINE GH320C/R/S

¥4055



规格：
刀片规格：9.525mm (SPMW090304)
穿孔正方刃
电压：单相110V/220V
马力：500W
速度：8000R.P.M
倒角调整深度：0~3mm

直角式手提倒角机 VERTICAL HAND CHAMFERING TOOL VHCT

¥4055



Order No.	Model	倒角能力	回转速	电压	净重	毛重	装箱尺寸	备注
6625-01-03HG-110	VHCT-03HG	3mm	1200R.P.M	110V	2.5kg	2.8kg	36×13.5×12.5cm	日制电机
6625-01-03HG-220				220V				

强力手提式倒角机 STRONG PORTABLE CHAMFERING MACHINE GH320A

¥4200



规格：
尺寸：L360×W200×H260mm
电压：三相220V/380V
马力：0.5HP
滑轨长度：200mm
速度：50/60Hz 3500R.P.M
倒角调整角度范围：15°~45°
倒角调整深度：0~9mm

气动式手提倒角机 AIR HAND CHAMFERING TOOL AHCT

¥3925



Order No.	Model	倒角能力	回转速	风压	净重	毛重	装箱尺寸
6627	AHCT-03	3mm	1200R.P.M	90psi/63kg/cm	2.5kg	2.9kg	36×13.5×12.5cm

不规则式手提式倒角机 IRREGULAR TYPE CHAMFERING TOOL IHCT

¥3710



Order No.	Model	倒角能力	回转速	电压	净重	毛重	装箱尺寸	备注
6628-03HG-110	IHCT-03HG	0~3mm	1200R.P.M	110V	2.2kg	2.4kg	36×13.5×12.5cm	日制电机
6628-03HG-220				220V				

中空
卡盘

中实
卡盘

立式
卡盘

气动
卡盘

生爪
硬爪

车床
刀套

刀座

精密
夹头

手动
卡盘

顶针

铣床
虎钳
配件

磨床
磁盘

工具
万力

线割
配件

机床
工具

车床
卡盘

铣床
虎钳

磨床
磁盘

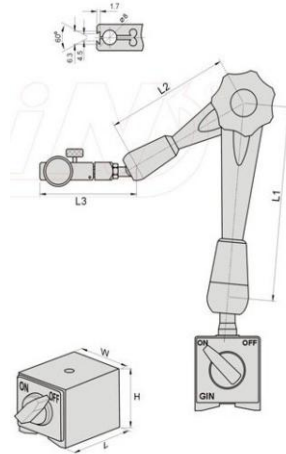
线割
配件

机械
工具

- 中空卡盘
- 中实卡盘
- 立式卡盘
- 气动卡盘
- 生爪硬爪
- 车床刀套
- 刀座
- 精密夹头
- 手动卡盘

万向磁性座 UNIVERSAL ARM MAGNETIC BASE

320、340、360



Unit:mm

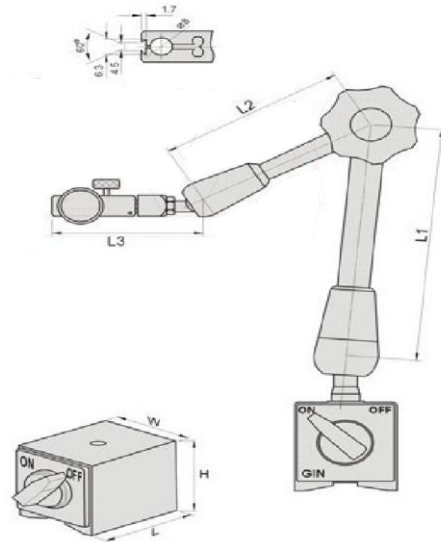
Order No.	Model	Power Holding	Arm Length			Base Dimension			N.W.	Price
			L1	L2	L3	L	W	H		
5485-08	WXCXZ-320	80kgf	112	102	65	60	50	55	1.4kg	560
5485-09	WXCXZ-340	80kgf	135	110	70	60	50	55	1.6kg	1080
5485-10	WXCXZ-360	100kgf	145	130	80	80	50	55	2.1kg	1350

- 顶针
- 铣床虎钳配件
- 磨床磁盘
- 工具万力
- 线割配件

万向磁性座 UNIVERSAL ARM MAGNETIC BASE

300A、300AL、300ALL

油压式精密型
Precision type hydraulic arm



Unit:mm

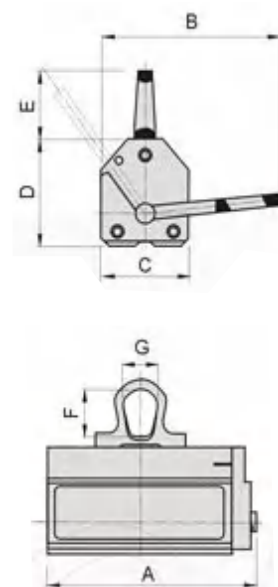
Order No.	Model	Power Holding	Arm Length			Base Dimension			N.W.	Price
			L1	L2	L3	L	W	H		
5486-01	WXCXZ-300A	100kgf	120	118	70	80	50	55	2.3kg	2245
5486-02	WXCXZ-300AL	100kgf	168	166	70	80	50	55	2.5kg	2768
5486-03	WXCXZ-300ALL	160kgf	285	280	95	120	50	55	3.5kg	5995

- 机床工具
- 车床卡盘
- 铣床虎钳
- 磨床磁盘
- 线割配件
- 机械工具



吊 重 参 数

吊重形式	吊重形式	允许吊重 kg	厚度 mm	允许长度 mm	允许自径 mm
 平面	Max×250	250	20	1500	--
	Max×500	500	25	2000	--
	Max×1000	1000	40	3000	--
	Max×1500	1500	45	3000	--
	Max×2000	2000	55	3000	--
 圆面	Max×250	100	10	1500	300
	Max×500	200	15	2000	400
	Max×1000	400	25	3000	450
	Max×1500	600	30	3000	500
	Max×2000	800	35	3000	600



精度：±0.005

Unit:mm

Order No.	Model	A	B	C	D	E	F	G	N.W. (Kg)	Price
5566-250	QZQ-Max×250	189	185	79	79	63	35	43	6	7500
5566-500	QZQ-Max×500	249	358	106	101	88	52	60	15	13200
5566-1000	QZQ-Max×1000	342	316	133	131	88	52	60	34	19200
5566-1500	QZQ-Max×1500	383	457	166	171	122	64	87	66	29550
5566-2000	QZQ-Max×2000	457	457	166	171	122	64	87	80	35400

中空卡盘

中实卡盘

立式卡盘

气动卡盘

生爪硬爪

车床刀套

刀座

精密夹头

手动卡盘

顶针

铣床虎钳配件

磨床磁盘

工具万力

线割配件

机床工具

车床卡盘

铣床虎钳

磨床磁盘

线割配件

机械工具

中空
卡盘

中实
卡盘

立式
卡盘

气动
卡盘

生爪
硬爪

车床
刀套

刀座

精密
夹头

手动
卡盘

顶针

铣床
虎钳
配件

磨床
磁盘

工具
万力

线割
配件

机床
工具

车床
卡盘

铣床
虎钳

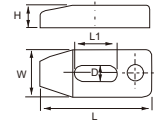
磨床
磁盘

线割
配件

机械
工具

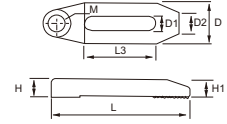
东波加硬平行压板 (材质: S40Cr 淬火热处理, 表面发黑) Dongbo Hardened Parallel Pressing Plate (Material: S40Cr Heat Treatment, Surface Blacking)

规格 specifications	L	W	H	L1	D
M10	75	32	15	32	11
M12	120	44	19	54.5	13.5
M16	140	50	22	64.5	17.5
M18	160	60	25	76	20
M20	180	62	28	86	22
M24	220	76	35	102	26
M30	220	80	40	102	32
M30	250	100	50	102	32



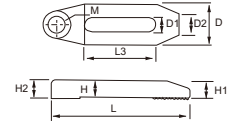
宁泰精锻可调压板 (材质: S45C 表面发黑/烤漆) Ningtai precision forging adjustable pressing plate (material: S45C surface blackened/baked paint)

规格 specifications	L	L3	D	D1	D2	H	H1	M
M12	98	45	38	12.5	17.8	22	24	20
M16	123	66	44	17	17	22	27	27
M20	155	90	53	22	22	27	34	34
M24	185	106	66	25	30	31	42	42

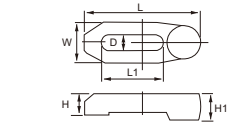


神力精锻可调压板 (材质: S45C 表面发黑/烤漆) Divine precision forging adjustable pressing plate (material: S45C surface blackened/painted)

规格 specifications	L	L3	D	D1	H	H1	H2	M
M16	128	66	44	18	17.8	24	25	20
M20	160	90	53	22	22	28	30	24
M24	190	106	66	25	30	32	35	30

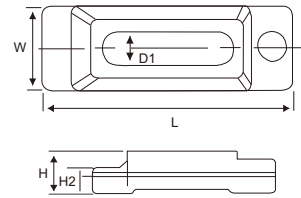


规格 specifications	L	W	H	L1	D	H1
G12	100	35	23	53.2	13.2	18
G16	125	46	28	63.5	17.5	22
G20	158.5	55	32	85	22	24
G24	191.5	67	42	108	26	30



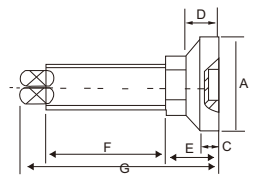
东波轿车型压板 (加硬精锻) Dongbo sedan pressure plate (hardened precision forging)

规格 specifications	L	W	H	D1	H2
M12	96	36	20	13.5	14
M16	126	48	25	17.5	18
M20	156	60	33	22	20
M24	190	72	38	26	23
M30	220	90	46	31	25



轿车型压板用调节螺丝 Adjusting screw for sedan type pressure plate

规格 specifications	A	C	D	E	F	G
M12	φ26	4	8	14	32	53
M16	φ36	5	10	18	40	68
M20	φ46	6	12	24	53	90
M24	φ56	6	12	24	60	100
M30	φ65	7	14	28	75	118



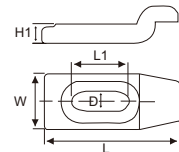
神力精锻HC压板 (加硬) Shenli Precision Forged HC Pressing Plate (Hardened)

规格 specifications
M12
M16
M20
M24
M30



东波加硬E型压板 Dongbo Plus Hard E-shaped Pressing Plate

规格 specifications	L	W	L1	L2	D
E16	125	50	40	17.5	17.2
E18	135	60	40	19.5	20
E20	165	88	60	21.6	22
E24	200	75	80	25.5	28



可调压板螺丝 Adjustable pressing plate screw

规格 specifications
G12
G16
G20
G24



神力锻打万能A型压板 Shenli Forged Universal A-shaped Pressing Plate

规格 specifications
A型16



神力加厚多变压板 Shenli thickened and variable pressure plate

规格 specifications
16x118(5")
16x130(6")
16x150(7")
20x150(7")
20x180(7")
20x200(7")



神力德式压板 Shenli German style pressure plate

规格 specifications
M16
M20



多变压板盖子

规格 specifications
M12
M16
M20
M24



朱氏压板(海天专配)与注塑机配套出口国外、终身保用(断了、弯了可包换)

Zhu's pressure plate (specially equipped by Haitian) and injection molding machine are exported to foreign countries, with a lifetime warranty (can be replaced if broken or bent)

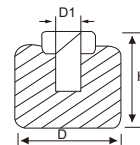
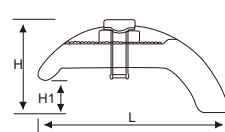
适用塑机型号 Applicable plastic machine model	压板型号 Pressing plate model	使用有效范围 Use effective range	塑模板孔距 Plastic template hole spacing	压板技术参数 Technical parameters of pressing plate
根据各种塑料机厂规格型号选择压板型号 Select the pressing plate model based on various plastic machine factory specifications and models	12x100	10-35	30 35	主体及方垫材质为55#钢热处理硬度HRC35-40表面处理镀锌、发黑喷塑。
	M16-130	15-40	35	
	M16-150	15-45	40 50	
	M20-180	20-50	50	The material of the main body and square pad is 55 # steel, with a heat treatment hardness of HRC 35-40. The surface is treated with zinc plating and blackened with spray molding.
	M20-200	20-50	90 65	
	M24-220	20-65	70 75	
	M24-240	30-65	70 80	
	M30-250	20-80	150	



FLY无阶拱形压板(注塑机专利)终身保用

FLY stepless arch pressure plate (patented injection molding machine) with lifetime warranty

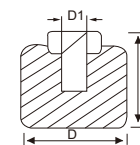
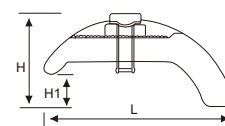
规格 specifications	L	D	D1	H	H1
M16	135	D1	H1	25	75
M20	180	77	21	105	70
M24	200	92	25	110	75



九龙无阶拱形压板(注塑机专利)终身保用的价

Kowloon Stepless Arch Pressing Plate (Injection Molding Machine Patent) Lifetime Warranty Price

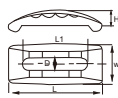
规格 specifications	L	D	D1	H	H1	装箱数 Packing
M12	110	63	12.8	80	45	8/箱
	110	63	16.8	80	45	8/箱
M16	135	65	16.8	86	60	8/箱
	150	75	16.8	100	65	8/箱
M20	180	77	21	105	70	8/箱
	200	87	21	110	75	8/箱
M24	200	87	25	110	75	4/箱
	220	92	25	100	80	4/箱
M30	220	92	30.8	110	80	4/箱
	250	97	30.8	130	100	4/箱



东波元宝压板

Dongbo Yuanbao Pressing Plate

规格 specifications	L	W	H	L1	D
M12	100	46	17	68	13.5
M16	122	57	22	80	17.5
M20	155	69	27	108	22
M24	178	83	32	118	26



元宝压板

Yuanbao Pressed Mustard

规格 specifications
1/2
5/8
3/4
1"



元宝压板

Yuanbao pressing plate

规格 specifications
M12
M16
M20
M24



元宝压板

Yuanbao Pressed Mustard

规格 specifications
M12
M16
M20
M24



加硬精锻冲床压板

Hardened precision forging press plate

规格 specifications
弯平5/8
弯平3/4
弯平1"



中空卡盘

中实卡盘

立式卡盘

气动卡盘

生爪硬爪

车床刀套

刀座

精密夹头

手动卡盘

顶针

铣床虎钳配件

磨床磁盘

工具万力

线割配件

机床工具

车床卡盘

铣床虎钳

磨床磁盘

线割配件

机械工具

中空
卡盘

中实
卡盘

立式
卡盘

气动
卡盘

生爪
硬爪

车床
刀套

刀座

精密
夹头

手动
卡盘

顶针

铣床
虎钳
配件

磨床
磁盘

工具
万力

线割
配件

机床
工具

车床
卡盘

铣床
虎钳

磨床
磁盘

线割
配件

机械
工具

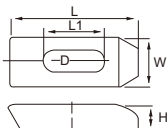
普通压规 Ordinary pressure gauge

规格 specifications
1/2M12大号 large size
1/2M12中号 medium size
1/2M12小号 trumpet
5/8M16大号 large size
5/8M16中号 medium size
5/8M16小号 trumpet



45号加硬压规 (热处理) 45 # hardened pressure gauge (heat treated)

型号 specifications	L	W	H	L1	D
10(3/8)	小	63	25	13	29
	中	100	25	16	47
	大	150	32	19	60
12(1/2)	小	63	25	13	26
	中	100	32	19	46
	大	150	32	22	62
16(5/8)	小	63	32	16	28
	中	100	38	19	42
	大	150	38	22	63
20(3/4)	小	100	38	19	47
	中	150	38	25	64
	大	200	50	25	85



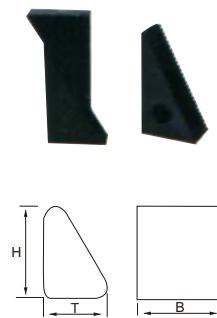
普通三角规 Ordinary triangular gauge

规格 specifications	直角边高度 (mm) Height of right angle edge (mm)
1/2大	82
1/2中	42
1/2小	30
5/8大	115
5/8中	78
5/8小	40



普通压规 Ordinary pressure gauge

型号	B	H	T
M10	小	30	17
	中	45	27
	大	97	57
M12	小	30	17
	中	45	27
	大	97	57
M16	小	45	27
	中	59	35
	大	97	57
M20	小	59	35
	中	97	57
	大	139	81



马模螺丝 (双头螺丝) (10.9级) Horse mold screw (double head screw) (grade 10.9)



长度 length	直径 diameter	10(3/8)	12(1/2)	14	16(5/8)	18	20(3/4)	22	24(1")
80	3"	0.65	0.80	1.10	1.40	1.90			
100	4"	0.80	1.00	1.30	1.60	2.10	3.00		
125	5"	1.00	1.25	1.60	1.90	2.50	3.56	7.60	10.001
150	6"	1.20	1.50	1.90	2.20	3.00	4.12	8.60	1.00
175	7"	1.40	1.80	2.20	2.50	3.30	4.55	9.60	12.00
200	8"	1.70	2.10	2.25	2.85	3.60	5.00	10.60	13.00
225	9"	2.00	2.40	3.00	3.30	4.00	5.41	11.60	14.00
250	10"	2.30	2.70	3.40	3.80	4.30	5.90	12.60	15.00
300	12"	3.00	3.30	4.20	4.80	5.30	6.90	15.00	17.00
350	14"				7.00		11.00	18.00	21.00
400	16"				9.00		14.20	22.00	26.00
450	18"				12.00		17.50		29.00
500	450"						21.00		34.00

T形螺丝 (压板螺丝8.8级) T-shaped screw (pressure plate screw grade 8.8)



长度 length	直径 diameter	10(3/8)	12(1/2)	14	16(5/8)	18	20(3/4)	22	24(1")	30
50	2"	2.50	2.50							
60		2.50	2.50							
75	3"	2.50	2.00	2.40	2.40	3.40	4.00			
100	4"	2.50	2.20	2.60	2.90	3.90	4.80	7.20	9.80	
125	5"	2.50	2.50	3.20	3.50	4.50	5.70	8.20	10.80	
150	6"		2.80	3.80	4.40	5.40	6.40	9.00	11.90	23.00
175	7"		3.20	4.20	5.00	6.00	7.20	10.00	12.80	24.00
200	8"		3.80	4.80	5.80	6.80	7.90	11.00	13.90	26.00
225	9"		4.60	5.60	6.60	7.80	8.80	12.20	14.80	
250	10"		5.60	6.60	7.60	8.80	9.80	13.60	15.70	31.00
275	11"		6.80	7.80	8.80	9.80	10.80	15.00	16.90	
300	12"		8.00	9.00	10.00	11.20	11.80	16.50	17.80	34.00
350	14"				15.00	17.00	18.50	20.00	25.00	42.00
400	16"				19.00	21.00	22.50	23.00	28.00	45.00
450	418"				23.00		27.00		31.00	
500	20"						32.00		34.00	

中间六角螺丝 (注: 塑机专配) (8.8级SJ10.9级) Middle hexagonal screw (note: specially equipped for plastic machines) (Grade 8.8 SJ10.9)

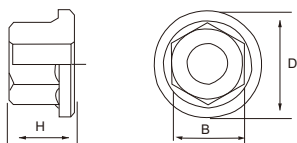


长度 length	直径 diameter	100(4")	125(5")	150(6")	175 (7")	200(8")	225(9")	250(10")	300(12")
M12	1/2	2.80	2.80	3.80	4.80				
M14		3.00	3.00	4.50	5.50	6.50			
M16	5/8	3.50	3.50	4.50	5.50	6.50			
M18			3.70	5.60	6.60	7.60			
M20	3/4		4.60	6.80	7.80	8.80	12.00	16.00	25.00
M22			5.80	8.80	9.80	11.00	12.50	18.00	
	7/8				12.00	13.00	14.50		
M24	1"			11.90	12.80	13.90	15.80	20.00	30.00
M30						36.00	40.00	45.000	55.00

加硬大对边带垫螺帽

Hardened large diagonal nut with gasket

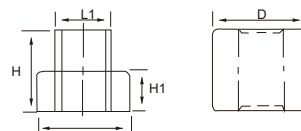
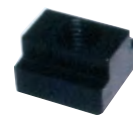
规格 specifications	D	H	B
M10	22	14	17
M12	28	17	21
M14	28	18	22
M16	35	22	26
M18	40	25	32
M20	40	25	32
M22	41	28	32
M24	50	32	41



加硬大对边带垫螺帽

Hardened large diagonal nut with gasket

规格 specifications	L	L1	H	H1	D
M6	18	12	12	6	23
M8	16	10	12	6	22
M10	18	12	14	7	22
M12	22	14	16	8	29
M14	25	16	16	8	29
M16	28	17.5	20	11	32
M18	32	20	24	12	38
M20	35	22	28	14	38
M24	44	27	38	17	50
M3/8	18	12	14	7	22
M1/2	22	14	16	8	29
M5/8	28	17.5	20	11	32



加厚垫片

Thickened gasket

规格 specifications
M10(3/8)
M12(1/2)
M14
M16(5/8)
M18
M20(3/4)
M22
M24(1")
M30



带垫螺帽

Nut with gasket

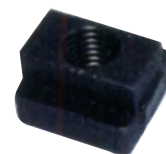
规格 specifications	规格 specifications
M10	3/8
M12	1/2
M14	
M16	5/8
M18	
M20	3/4
M22	
M24	1"
M27	
M30	



T型螺帽

T-shaped nut

规格 specifications
M6
M8
M10 (19宽)
M10 (22宽)
M10 (24宽)
M12 (22宽)
M12 (24宽)
M12 (22宽、28长)
M14
M16 (16高)
M16 (18高)
M18
M20 (浙江)
M20 (河北)
M22
M24



加硬加大加厚垫片

Hardened and thickened gasket

规格/外径 Specification/Outer Diameter
M10 (3/8)
M12 (1/2)
M16(5/8)
M18
M20(3/4)
M22 (7/8)
M24 (1)
M30



角螺帽

Corner Nut

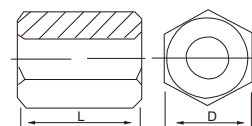
规格 specifications	规格 specifications	单价 unit-price
M10	3/8	0.50
M12	1/2	0.60
M14		0.70
M16	5/8	1.20
M18		1.50
M20	3/4	1.60
M22		2.60
M24	1"	3.12
M30		12.00



加硬大对边六角螺帽

Hardened large opposite hexagonal nut

规格 specifications	L	D
M12	32	21
M14	32	22
M16	41	26
M18	45	32
M20	45	32
M24	63	41



加硬特长螺帽(连接螺帽)

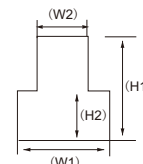
Hardened extra long nut (connecting nut)

规格 specifications			单价 unit-price
型号 model	外径 outside diameter	长度 length	
M10	17	25	2.50
M12	21	35	3.00
M14	21	35	4.00
M16	26	40	4.60
M18	26	38	7.00
M20	32	49	10.00
M24	40	48	24.00
M30	46	48	40.00



加高加大T型帽

Elevated and enlarged T-shaped hat



规格 specifications	单价 unit-price	(H) 1	(H) 2	(W) 1	(W) 2
M16	10.00	32	15	31	20
M20	20.00	37	18	46	27
M24	30.00	48	21	55	28
M30	36.00	60	22	54	36

加硬(10.9级)全牙丝杆(1米长)

Hardened (grade 10.9) full tooth screw rod (1 meter long)



规格 specifications	M8	M10	M14	M16	M18	M20	M22	M24	M27	M30
单价 unit-price	3.80	6.00	9.00	11.00	14.00	22.00	29.00	32.00	44.00	56.00

加硬菱形螺帽10.9级(双台T型)

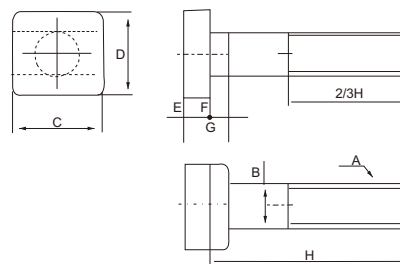
Hardened diamond screw grade 10.9 (double T-shaped)

单价 unit-price	H	G	F	E	D	C	B	A
6.3	75							
7.6	100	13	6	7	22	26	Φ12	M12
8.40	125							
8.60	150							
11.60	100							
13.00	125							
14.00	150							
16.00	175	16	8	8	27	32	Φ16	M16
18.00	200							
20.00	250							
24.00	300							
18.00	125							
19.60	150							
21.00	175	22	11	11	30	40	Φ20	M20
22.40	200							
26.00	250							
32.50	300							
28.00	125							
34.00	150							
40.00	175	31	15	16	44	50	Φ24	M24
50.00	200							
60.00	250							
70.00	300							



材质: S4 5C 锻造钢
表面: 染黑处理
硬度: HRC32°-38°

Material: S4 5C forged steel
Surface: Dyeing black treatment
Hardness: HRC32°-38°



中空卡盘

中实卡盘

立式卡盘

气动卡盘

生爪硬爪

车床刀套

刀座

精密夹头

手动卡盘

顶针

铣床虎钳配件

磨床磁盘

工具万力

线割配件

机床工具

车床卡盘

铣床虎钳

磨床磁盘

线割配件

机械工具

- 中空卡盘
- 中实卡盘
- 立式卡盘
- 气动卡盘
- 生爪硬爪
- 车床刀套
- 刀座

G80高级万向旋转吊环(公制)

G80 Advanced Universal Rotating Lifting Ring (Metric)



- 精密夹头
- 手动卡盘
- 顶针
- 铣床虎钳配件
- 磨床磁盘
- 工具万力
- 线割配件
- 机床工具

规格 specifications	长度 length	拉力 pulling	自重 dead-weight
M8x1.25-6g	12	400	0.27
M10x1.5-8g	19	500	0.27
M12x1.75-6g	19.1	1050	1.17
M14x2.0-6g	31.8	1150	1.18
M16x2.0-6g	31.8	1900	1.20
M20x2.5-6g	38.1	2150	2.21
M22x2.5-6g	38.1	2250	2.23
M24x3.0-6g	50	4200	2.24
M30x3.5-6g	54	5000	3.70
M36x4.0-6g	58	8000	3.85
M39x4.0-6g	60	8000	3.97
M42x4.5-6g	68	10000	5.83
M45x4.5-6g	68	10000	5.85
M48x5.0-6g	68	10000	6.08
M52x5.5-6g	84	15000	10.00
M56x5.5-6g	84	15000	10.15
M60x5.5-6g	90	15000	10.50
M64x6.0-6g	95	15000	10.80
M72x6.0-6g	108	25000	22.80
M80x6.0-6g	120	30000	24.00
M90x6.0-6g	135	350000	26.00
M100x6.0-6g	135	490000	30.00

- 车床卡盘
- 铣床虎钳
- 磨床磁盘
- 线割配件

神力美式重型G字夹 (C热处理锻打)

Shenli American heavy-duty G-shaped clamp (C heat treated forging)

规格 specifications

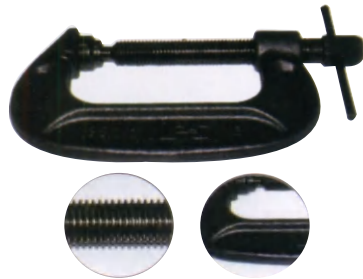
5"(125)

6"(150)

8"(200)

10"(250)

12"(300)



产品介绍:

G字夹

美式重型G字夹用于加持各种形状的工件、模块等起固定作用的一种五金工具又名虾弓码、C字夹、木工夹等。使用广泛、携带方便,由于主体是用45#高速钢热锻而成,故使用寿命长, G字夹采用粗牙螺纹旋进式设计,可以自由调节所要夹持的范围,夹持力量大,整体热处理,耐用性强,强度更大。

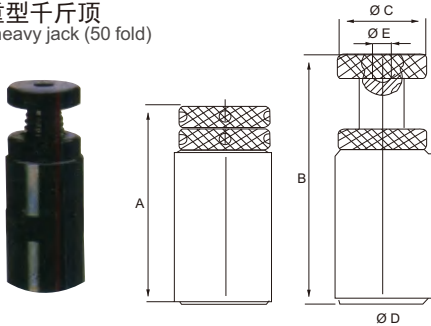
Product Introduction:

G-clip

The American heavy-duty G-shaped clamp is used to hold various autumn shaped workpieces, modules, and other fixed hardware tools, also known as shrimp bow code, C-shaped clamp, woodworking clamp, etc. Widely used and easy to carry, the main body is made of 45 # high-speed steel by hot forging, so it has a long service life. The G-shaped clamp adopts a coarse thread screw-in design, which can freely adjust the clamping range. The clamping force is large, and the overall heat treatment is strong, durable, and stronger.

螺旋重型千斤顶

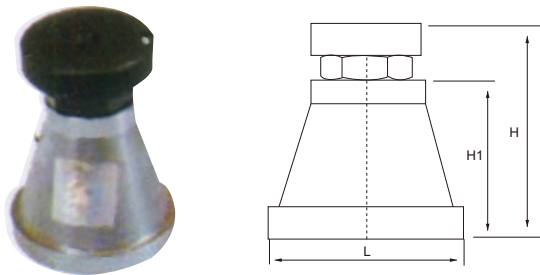
Screw heavy jack (50 fold)



规格 specifications	A	B	C	D	E	KN
VL37-50	37	50	35	40	11.5	72
VL50-70	50	70	35	40	11.5	72
VL70-100	70	100	40	45	11.5	135
VL100-150	100	150	45	50	11.5	135
VL150-250	150	250	50	60	11.5	155
VL200-300	200	300	50	60	11.5	155

千斤顶(平)

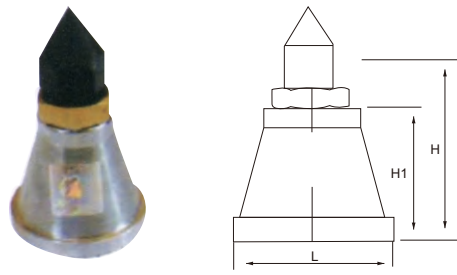
Dry Jin Ding (flat)



规格 specifications	L	H	H1
特大A	89	154	89
大B	76	108	74
中C	63	88	59
小D	51	76	48

千斤顶(尖)

Dry Jin Ding (tip)



规格 specifications	A	B	C
特大A	89	154	89
大B	76	135	74
中C	63	107	59
小D	51	90	48

中空卡盘

中实卡盘

立式卡盘

气动卡盘

生爪硬爪

车床刀套

刀座

精密夹头

手动卡盘

顶针

铣床虎钳配件

磨床磁盘

工具万力

线割配件

机床工具

车床卡盘

铣床虎钳

磨床磁盘

线割配件

机械工具

中空
卡盘

中实
卡盘

立式
卡盘

气动
卡盘

生爪
硬爪

车床
刀套

刀座

精密
夹头

手动
卡盘

顶针

铣床
虎钳
配件

磨床
磁盘

工具
万力

线割
配件

机床
工具

车床
卡盘

铣床
虎钳

磨床
磁盘

线割
配件

机械
工具

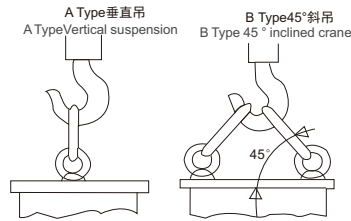
台湾国标吊环螺丝(麻钢拉令)
Taiwan national standard lifting ring screw
(hemp steel pulling ring)

公制 Metric

规格 specifications	内径 inside diameter	外径 outside diameter	重量 weight	拉力强度 Tensile strength
M6	20	35	53	0.07
M8	20	35	55	0.14
M10	25	45	113	0.23
M12	28	55	187	0.34
M14	33	58	233	0.5
M16	35	63	290	0.7
M18	38	72	450	1.2
M20	38	72	450	1.2
M22	38	72	460	1.2
M24	48	90	900	1.8
M27	48	90	930	2.5
M30	60	108	1625	3.2
M36	70	126	2612	4.6
M42	78	144	4072	7
M48	87	165	6480	8.6
M56	95	185	8800	11.5
M64	108	210	13036	16
M72	140	260	23200	20
M80	170	300	33000	28



正确使用范围 Correct usage range



英制
English

规格 specifications	内径 inside diameter	外径 outside diameter	重量 weight	拉力强度 Tensile strength
M1/2	30	53	160	0.22
M5/8	35	62	272	0.4
M3/4	38	71	433	0.6
M1"	45	85	860	1.8
M1-1/4	58	112	181	3.6
M11/2	70	128	2275	5.1
M 2"	95	185	28800	11.5

模锻弓形卸扣不带保险
Die forged bow shackle without safety



规格 specifications	内径 inside diameter	外径 outside diameter	重量 weight	拉力强度 Tensile strength
M3/8	25	45	113	0.23
M1/2	30	3	160	0.22
M5/8	35	62	272	0.4
M3/4	38	71	433	0.6
M7/8	38	72	460	1.2
M1	45	86	860	1.8
M1-1/4	58	112	1812	3.6
M1-1/2	70	128	2752	5.1
M1-3/4	87	165	6480	8.6
M2"	95	185	8800	11.5

模锻弓形卸扣不带保险
Die forged bow shackle without safety



台湾国际吊母DIN580公制 (MM)
Taiwan International Hanging Nut DIN580 Metric (MM)

规格 specifications
0.5吨
1吨
2吨
3.25吨
4.75吨
6.5吨
8.5吨
9.5吨
12吨
13.5吨
17吨
25吨



规格 specifications	内径 inside diameter	外径 outside diameter	重量 weight	拉力强度 Tensile strength
M6	20	35	40	0.23
M8	20	35	40	0.34
M10	25	45	90	0.23
M12	28	55	145	0.34
M14	30	60	170	0.34
M16	35	63	270	0.7
M20	38	72	360	1.2
M22	38	72	360	1.2
M24	48	90	700	1.8
M27	48	90	760	1.5
M30	60	108	1450	3.2
M36	70	126	2200	4.6

58件组合压板(普通配机型)
58 piece combination pressure plate (regular model)



规格 specifications
M12
M16
M1/2
M5/8

加硬58件组合压板(8.8级)
Hardened 58 pieces of composite pressure plate (SJW) (Grade 8.8)



规格 specifications
M10
M12
M14
M16
M18
M20

58件加硬组合压板(10.9级)
58 pieces of hard combination pressure plate (grade 10.9)



规格 specifications	单价 unit-price
M8	420.00
M10	400.00
M12	400.00
M16	560.00
M20	1200.00
M/2	400.00
M5/8	560.00

机床避震脚垫(注塑机)
Machine tool shock-absorbing foot pad
(injection molding machine)



规格 specifications
Φ100(M12)
Φ150(M16)
Φ150(M18)
Φ200(M20)

预杆避震垫铁
Pre rod shock pad iron



规格 specifications
Φ120
Φ160
Φ200

三层调整垫铁A型
Three layer adjustment pad iron type A



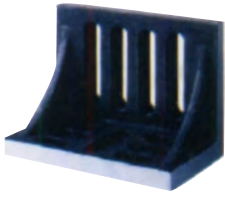
规格 specifications
L150
L200

机床斜度调整垫铁
Machine tool slope adjustment
pad iron (8 fold)



规格 specifications
Φ80
Φ100
Φ120
Φ160
Φ200
Φ240

有阻式直角平夹(曲铮)
Impedance type right angle flat clamp
(Qu Zheng)



规格 specifications
6"
8"
10"
12"
14"

机床斜度调整垫铁
Machine tool slope adjustment
pad iron



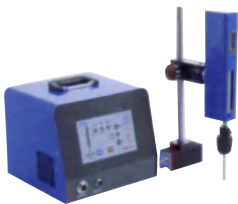
规格 specifications
80x160
100x200
120x240
140x280
150x300

45号钢加硬铣床拉杆(热处理)
45# steel hardened milling machine pull rod (heat treated)



规格 specifications
M7/16(细牙)
M12(粗牙)

取断丝锥火花机
Cutting tap spark machine



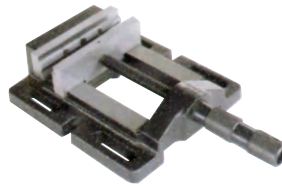
规格 specifications
600W
800W新款

铜工夹具元/台
Copper fixture yuan/unit



规格 specifications
2排
4排

德式钻床批士
German drilling machine operator



规格 specifications
3"
4"
5"
6"

攻牙机系列
Tooth tapping machine series



规格 specifications	白色 white	紫色 purple
气动3-12 Pneumatic 3-12	2000.00	2300.00
电动3-16 Electric 3-16	3000.00	3800.00
电动6-24 Electric 6-24	4500.00	5500.00
电动6-30 Electric 6-30	4700.00	5700.00

加硬精磨垃圾片系列
Hardened and finely ground garbage
pieces series



外径(+0.01) Outer diameter(+0.01)	厚度(+0.02) Thickness(+0.02)	孔径(+0.02) Aperture(+0.02)
11	3	5
	4	6
	5	4
18	3	5
	5	5
	6	5
20	4	5
	6	6
	5	6
25	5	5
	6	6
	3	4
28	3	4
	5	5
	6	5
30	5	6
	6	6
	6	5

垃圾钉
Garbage nails



规格 specifications
8

中空卡盘

中实卡盘

立式卡盘

气动卡盘

生爪硬爪

车床刀套

刀座

精密夹头

手动卡盘

顶针

铣床虎钳配件

磨床磁盘

工具万力

线割配件

机床工具

车床卡盘

铣床虎钳

磨床磁盘

线割配件

机械工具

中空卡盘

中实卡盘

立式卡盘

气动卡盘

生爪硬爪

车床刀套

刀座

精密夹头

手动卡盘

顶针

铣床虎钳配件

磨床磁盘

工具万力

线割配件

机床工具

车床卡盘

铣床虎钳

磨床磁盘

线割配件

机械工具

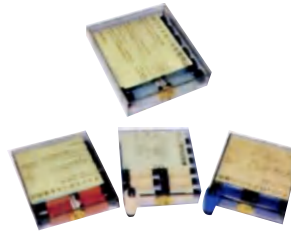
普通尼龙胶塞 (袋装) Ordinary nylon stopper (bagged)



规格 specifications	个/袋 Pieces/bag
M8x16	100
M8x20	50
M10x20	50

进口盒装尼龙胶塞 (塑料斗盒/耐高温250°)

Imported box filled nylon rubber stopper (Plastic bucket box/high temperature resistance 250 °)



规格 specifications	个/盒 Pieces/box
M5x10	12
M6x12	12
M6x13	12
M8x16	12
M10x20	10

铜喉塞 (铜堵头) Copper throat plug (copper plug)



英制BSBT牙系列 British BSBT dental series		美制NPT牙系列 American NPT dental series	
规格 specifications	单价 unit-price	规格 specifications	单价 unit-price
PT1/16-28	1.00	NPT1/8-27	1.20
PT1/8-28	0.70	NPT1/4-18	1.40
PT1/4-19	1.00	NPT3/8-18	3.00
PT3/8-19	2.40	NPT1/2-14	4.00
PT1/2-14	3.00		
PT3/4-14	5.00		
PT1"-11	7.60		

模具止水栓 (红色氟胶圈) Mold water stop plug (red fluorine rubber ring)



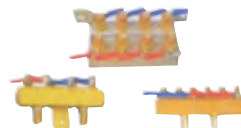
规格 specifications
6
8
10
12
14
16
18
20
25
30

公制止付螺丝 (铁堵头 1.5牙距) Metric stop screw (iron plug 1.5 pitch)



规格 specifications	规格 specifications
M8	M27
M10	M28
M12	M30
M14	M33
M16	M36
M18	M38
M20	M40
M22	M42
M24	M45
M25	M48
M26	

分流控制器 (水排) Diverter controller (water discharge)



规格 specifications	分体 Splitting	连体 Combined body	双排 Double row
4位 (2进2出)	100.00	132.00	150.00
6位 (3进3出)	154.00	198.00	220.00
8位 (4进4出)	204.00	264.00	290.00
10位 (5进5出)	253.00	330.00	350.00
12位 (6进6出)	310.00	396.00	440.00
16位 (8进8出)		530.00	600.00

CNC节能风机 CNC energy-saving fan



规格 specifications
CNC节能风机

铁弗龙接头 Teflon joint

美制3" Φ8
American 3" Φ eight



开闭器



方型辅助器 Square auxiliary device
规格 specifications
PI38
PI50
PI75
PL100

模具快速接头 (快速母头)

Mold quick connector (quick female head)

规格 specifications	
大组 Φ11、Φ13 Large group Φ 11 Φ thirteen	
大组3分美 (9/16x18牙) Large group 3 point beauty (9/16x18 teeth)	
大组4分美 (3/4x16牙) Large group 4-point beauty (3/4x16 teeth)	
小组 Φ11、Φ13 group Φ 11 Φ thirteen	
小组3分美 (9/16x18牙) Group 3 points beauty (9/16x18 teeth)	

规格 specifications	
加长组 Φ11、Φ13 Extension group Φ 11 Φ thirteen	
加长大组3分美 (9/16x18牙) Lengthened large group with 3 points of beauty (9/16x18 teeth)	
加长大组4分美 (3/4x16牙) Extended large group with 4 points of beauty (3/4x16 teeth)	
加长小组 Φ11、Φ13 Extension team Φ 11 Φ thirteen	
加长小组 Φ11、Φ13 Extension team Φ 11 Φ thirteen	

规格 specifications	
封闭式大组 Φ11、Φ13 Closed large group Φ 11 Φ thirteen	
封闭式大组3分美 (9/16x18牙) Closed large component 3 point beauty (9/16x18 teeth)	
封闭式小组 (3/4x16牙) Closed group (3/4x16 teeth)	
封闭式小组3分美 Φ11、Φ13 Closed group 3 points beauty Φ 11 Φ thirteen	
加长小组 (9/16x18牙) Extension group (9/16x18 teeth)	

加厚铁水咀 (表面镀铜处理)

Thickened iron water nozzle (surface copper plating treatment)



规格 specifications 长度 length	1/2粗细 1/2 thickness	3/8粗细 3/8 thickness	M8	M10	M12
30(1.3")	0.52	0.36	0.30	0.36	0.44
50(2")	0.90	0.90	0.60	0.70	0.90
75(3")	1.40	1.40	0.84	1.00	1.20
100(4")	1.80	1.80	1.10	1.40	1.60
125(5")	2.20	2.20	1.30	1.60	2.00
150(6")	2.60	2.60	1.60	2.00	2.30
175(7")	3.20	3.20	1.80	2.40	2.80
200(8")	3.60	3.60	2.20	2.80	3.20
250(10")	5.00	5.00	3.00	4.00	4.50
300(12")	8.00	8.00	6.00	7.00	8.00

加厚铜模温机油咀

Thickened copper mold warm machine oil nozzle



规格 specifications 长度 length	3分美制 (9/16/18牙) 3 points US (9/16/18 teeth)	
	M12标准牙 1/4细牙 1/2粗牙 M12 standard tooth 1/4 fine tooth 1/2 coarse tooth	M10标准牙 1/8细牙 3/8粗牙 M10 standard tooth 1/8 fine tooth 3/8 coarse tooth
1.3" (35 mm)	1.80	1.60
2" (50mm)	2.00	1.80
3" (75mm)	3.00	2.80
4" (100mm)	4.00	3.40
5" (125mm)	4.40	4.00
6" (150mm)	5.20	5.00
7" (175mm)	6.20	6.00
8" (200mm)	7.20	7.00
10" (250mm)	12.00	12.00

加厚铁模温机油嘴 (表面镀铜处理)

Thickened iron mold warm machine oil nozzle (surface copper plating treatment)



(铁) 快速咀大小组

(Iron) Quick nozzle, large and small nozzles



规格 specifications 长度 length	1/2粗、细M12 大组 小组	1/2粗、细M10 大组 小组	13/8粗、细 大组 小组	13/8粗、细 大组 小组
1.3"	1.60	1.60	1.60	1.20
2"	2.00	2.00	2.00	1.60
3"	3.00	3.00	3.00	2.60
4"	4.00	4.00	4.00	3.60
5"	5.00	5.00	5.00	4.60
6"	6.00	6.00	6.00	5.60
8"	8.00	8.00	8.00	7.60

规格 specifications 长度 length	3分美制 (9/16/18牙) 3 points US (9/16/18 teeth)	
	M12标准牙 1/4细牙 1/2粗牙 M12 standard tooth 1/4 fine tooth 1/2 coarse tooth	M10标准牙 1/8细牙 3/8粗牙 M10 standard tooth 1/8 fine tooth 3/8 coarse tooth
1.3"(35mm)	1.80	1.60
2"(50mm)	2.00	1.80
3"(75mm)	3.00	2.80
4"(100mm)	4.00	3.40
5"(125mm)	4.40	4.00
6"(150mm)	5.20	5.00
7"(175mm)	6.20	6.00
8"(200mm)	7.20	7.00
10"(250mm)	12.00	12.00

铜水咀

Copper water nozzle



规格 specifications 长度 length	普通铜水嘴 Ordinary copper water nozzle		普通铜水嘴 Ordinary copper water nozzle	
	1/2(M12)粗细 1/2 (M12) thickness	3/8(M10)粗细 3/8 (M10) thickness	1/2(M12)粗细 1/2 (M12) thickness	3/8(M10)粗细 3/8 (M10) thickness
1.3"	1.26	0.86	1.6	1.24
1.5"	1.42	1.00	41.92	1.38
2"	1.88	1.34	2.46	1.64
3"	3.00	1.86	3.84	2.20
4"	3.74	2.56	5.60	3.02
5"	4.74	3.20	5.92	4.10
6"	5.70	4.10	7.52	5.46
7"	6.96	5.00	8.75	6.28
8"	8.12	5.70	10.80	7.38
10"	12.10	7.90	16.00	11.00

内外牙

Internal and external teeth



内外牙 Internal and external teeth	2"	3"	4"	5"	6"	7"	8"
内牙1/4 外牙1/4 Inner tooth 1/4 Outer tooth 1/4	3.50	4.50	6.00	7.00	8.00	11.00	12.00
内牙1/8 外牙1/8 Internal tooth 1/8 External tooth 1/8	2.50	3.20	4.00	5.00	6.00	7.00	9.00
内牙1/4 外牙1/2 Internal tooth 1/4 External tooth 1/2	4.00	4.80	6.50	8.00	9.50	12.00	13.00

加厚铁内外牙 (表面镀铜处理)

Thickened iron inner and outer teeth (surface copper plating treatment)



内外牙 Internal and external teeth	2"	3"	4"	5"	6"	7"	8"
内牙1/4 外牙1/4 Inner tooth 1/4 Outer tooth 1/4	3.20	4.00	5.40	7.00	8.00	10.00	11.00
内牙1/8 外牙1/8 Internal tooth 1/8 External tooth 1/8	2.60	3.20	4.00	5.00	6.00	7.50	8.00
内牙1/4 外牙1/2 Internal tooth 1/4 External tooth 1/2	3.60	4.60	6.00	7.60	9.00	11.00	12.00
内牙1/4 外牙1/2 Internal tooth 1/4 External tooth 1/2	3.60	4.60	6.00	7.60	9.00	11.00	12.00

快速铜水咀 Quick copper water nozzle

快速铜水咀 (加厚) Quick copper water nozzle		1"	1.3"	2"	3"	4"	5"	7"	8"	10"	12"
快速大头	1/2		1.8	2.4	3.6	4.8	6.0	7.8	9.8	11.8	23.0
	3/8		1.8	2.4	3.6	4.6	5.6	7.5	9	11.0	23.0
快速小头	1/2	1.3		2.4	3.6	4.8	5.8	7.8	9.8	11.8	
	3/8NPT	1.0		1.6	2.8	3.8	4.8	5.5	7	8.0	18.0
快速大头	1/8NPT		2.35	3.6	4.8	6.4	7.6	9.6		14.0	24.0
	1/4NPT	1.7	2.5	3.6	4.8	6.4	7.6	9.6		14.0	24.0
快速小头	1/4NP	1.5		3.6	4.8	6.4	7.6	9.9		14.0	
	1/8			2.5	3.8	5.0	6.5	8		12.0	
快速大头	M12粗		2.0	2.8	4.0	5.2	6.5	8		12.0	
	M12细		2.5	3.4	4.6	6.0	7.5	9		13.0	
快速大头	3分		3.0	5.0	7.0	9.0	11.0	13.0		20.0	

中空卡盘

中实卡盘

立式卡盘

气动卡盘

生爪硬爪

车床刀套

刀座

精密夹头

手动卡盘

顶针

铣床虎钳配件

磨床磁盘

工具万力

线割配件

机床工具

车床卡盘

铣床虎钳

磨床磁盘

线割配件

机械工具

倒角刀

Chamfer knife



- 中空卡盘
- 中实卡盘
- 立式卡盘
- 气动卡盘
- 生爪硬爪
- 车床刀套
- 刀座

规格 specifications	镀钛 Titanium plating	1刃伊海 1 Blade Yihai	镀合金 1 Blade Yihai
10x8x50	39.00	30.00	
12x10x56	43.00	32.00	
16x10x60	47.00	42.00	60.00
20x10x63	52.00	60.00	80.00
25x10x67	74.00	80.00	100.00
30x10x71	100.00	120.00	110.00
40x12x80	182.00	250.00	140.00
50x12x100	300.00	420.00	220.00
60x16x100	456.00	610.00	320.00

规格 specifications	托普(白钢) Top (white steel)	3刃伊海 3 Blade Yihai	60°
6.3x4x45	18.00	24.00	17.00
8x6x50	22.00	24.00	21.00
10x6x50	23.00	30.00	29.00
12.4x8x56	26.00	34.00	31.00
16.5x10x60	29.00	46.00	33.00
20.5x10x63	36.00	66.00	44.00
25x10x67	52.00	88.00	57.00
31x2x71	78.00	130.00	88.00
35	106.00		
40x12x80	136.00	260.00	170.00
50x16x100	230.00	440.00	300.00
60x16x90	366.00	69000	490.00

- 精密夹头
- 手动卡盘
- 顶针
- 铣床虎钳配件
- 磨床磁盘
- 工具万力
- 线割配件
- 机床工具
- 车床卡盘
- 铣床虎钳
- 磨床磁盘
- 线割配件

去毛刺·精密修边刀工具系列

Deburring and precision edge trimming tool series

名称 name	型号 model	产品用途 Uses	图片 picture
S10	BS1010	塑料、铝和钢件、内圆孔边、直边、曲边 Plastic, aluminum, and steel parts, inner circular hole edges, straight edges, curved edges	
S10镀钛	BS1012	BS1010升级版, 含钴镀钛, 研磨材料 BS1010 upgraded version, cobalt plated titanium, abrasive material	
S150	BK3010	加工直径为15mm小孔塑料、夹缝、铝和塑胶 Processing small hole plastic with a diameter of 15mm, seam, aluminum, and plastic	
S150镀钛	BK3101	BK3101升级版, 含钴镀钛, 研磨材料 BK3101 upgraded version, cobalt plated titanium, abrasive material	
S100含钴	BS1018	不锈钢、硬塑、合金钢等硬质材料 Hard materials such as stainless steel, hard plastic, and alloy steel	
S20	BS2010	黄铜、铁等, 左右手可用, 双向使用 Brass, iron, etc., available with both hands, bidirectional use	
S20镀钛	BS2012	BS2010升级版, 含钴镀钛刀片, 不锈钢材料 BS2010 upgraded version, with cobalt plated titanium blades, made of stainless steel material	
S101	BK1010	各种材质上的直边精密修边 Precision trimming of straight edges on various materials	
S202	BK2010	黄铜和铸铁的细边精密修边 Fine edge precision trimming of brass and cast iron	
S30	BS3010	多功能型, 内侧, 外侧孔 Multifunctional, inner, outer hole	
S60	B56001	交叉去毛刺. 交叉孔去毛刺 Cross deburring. Cross hole deburring	
S35	BS3510	大多数材料的直边修边 Straight edge trimming for most materials	
BD661	BD6610	交叉孔去毛刺 Cross hole deburring	
BD501	三角BD5010	配SC1300三角刮刀快速完成刮削工序 Equipped with SC1300 triangular scraper to quickly complete the scraping process	
N80	圆BN8010	配DB1000薄板、小凸边双面修边加工范围1-12mm Equipped with DB1000 thin plate, small convex edge double-sided trimming processing range 1-12mm	
RD系列	BC6301	手用内孔倒角刀, 直径6/8/10/12/16 Hand used inner hole chamfering knife, diameter 6/8/10/12/16	
	BC8301		
	BC1041		
	BC1651		
	BC1251		
NB-1	NB1000	塑料大柄, 直边, 圆孔, 不规则曲边 Plastic handle, straight edge, round hole, irregular curved edge	
EO-2	EO2000	塑料大柄, 直边, 圆孔, 轻便, 可夹在口袋上 Plastic handle, straight edge, round hole, lightweight, can be clamped on a pocket	
NG-1	NG1000	塑料包胶柄, 手感舒适, 直边, 圆孔, 不规则曲边 Plastic wrapped handle, comfortable to touch, straight edge, round hole, irregular curved edge	
RB-1	RB1000	铝合金柄, 使用寿命更长久 Aluminum alloy handle for longer service life	
SC-13	三角SC1300	三角形毛刺刮刀, 快速完成刮削工序 Triangle burr scraper, quickly completing the scraping process	
DB-1	DB1000	配BN8010去除铁板两边的毛刺, 带护手 Equipped with BN8010 to remove burrs on both sides of the iron plate, with hand protection	

中空
卡盘

中实
卡盘

立式
卡盘

气动
卡盘

生爪
硬爪

车床
刀套

刀座

精密
夹头

手动
卡盘

顶针

铣床
虎钳
配件

磨床
磁盘

工具
万力

线割
配件

机床
工具







































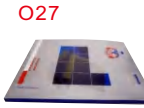


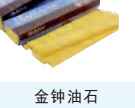
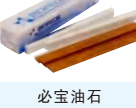
车床
卡盘

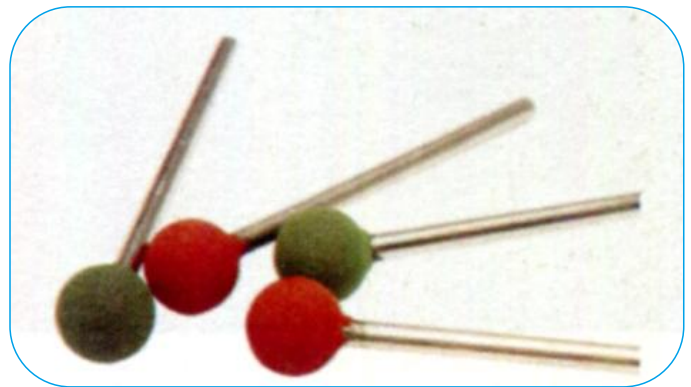
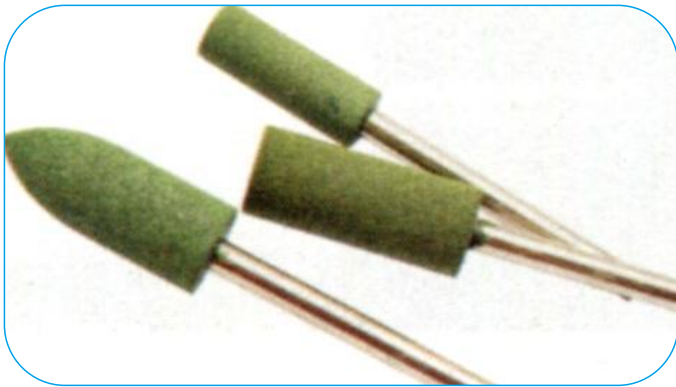
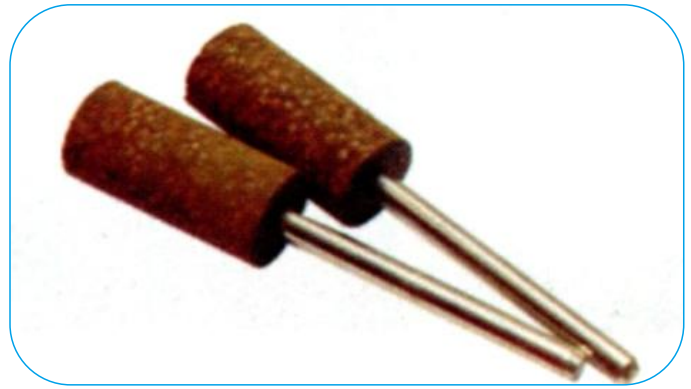
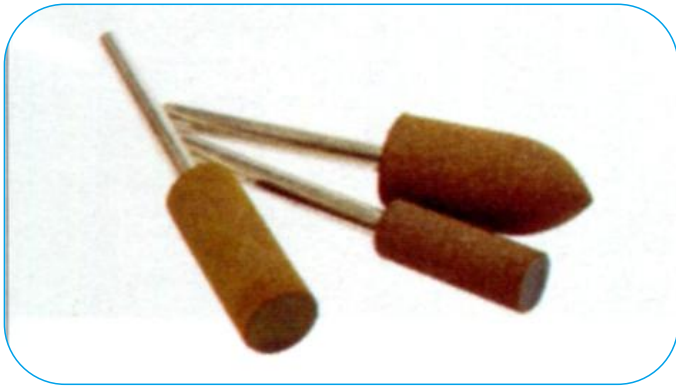
铣床
虎钳

磨床
磁盘

线割
配件

机械
工具

中空卡盘	砂轮磨头 O03 	牙科专用砂轮 O03 	带柄砂轮 O05 	带柄砂轮 O05 	气动小砂轮 O06 	带柄砂轮 O06 	弹性带柄砂轮 O07 	抛光系列 O08 	
中实卡盘	砂轮磨头 高档陶瓷带柄砂轮磨头 抛光研磨	砂轮磨头 牙科专用砂轮 抛光研磨	砂轮磨头 带柄砂轮 抛光研磨	砂轮磨头 带柄砂轮特殊型 抛光研磨	砂轮磨头 气动小砂轮 抛光研磨	砂轮磨头 带柄砂轮 抛光研磨	砂轮磨头 弹性带柄砂轮 抛光研磨	羊毛轮 羊毛制品抛光系列 抛光研磨	
立式卡盘	抛光系列 O09 	精油石 O10 	精油石 O11 	钻石磨棒 O13 	研磨棒 O14 	斜挫刀 O15 	挫刀 O17 	钻石膏 O17 	
气动卡盘	羊毛轮 其它羊毛轮系列 抛光研磨	精油石 黑牛牌超精油石 硬化处理	精油石 犀利盾纤维油石 研磨抛光	钻石磨棒 精度高、磨削快 研磨抛光	研磨棒 钻石、氮化硼内孔研磨棒 研磨抛光	斜挫刀 钻石平斜挫刀 研磨抛光	挫刀 钻石大板挫刀 研磨抛光	钻石膏 标准规格 研磨抛光	
生爪硬爪	钨钢工具 O18 	单石修刀 O18 	小电磨 O19 	研磨机 O19 	研磨机 O19 	刻磨机 O21 	刻磨机 O21 	刻磨机 O21 	
车床刀套	钨钢工具 适用于钨钢工具研磨成型用 研磨抛光	单石修刀 适用于无心、圆筒、平面研磨 研磨抛光	小电磨 AP-235旋转高精密小电磨 研磨抛光	超音波振动研磨机 AR-108单功能型单功能实用型 研磨抛光	双功能电源型 AR-600 (E) 双功能强力型 研磨抛光	气动刻磨机 适用于精密研磨及修整 研磨抛光	高精密型 适用于精密研磨及雕刻 研磨抛光	工业级高扭力型 适用于清除毛边倒角、铣磨 研磨抛光	
刀座	气动刻磨机 O22 	研磨机 O22 	刻磨机 O22 	刻磨机 O22 	研磨机 O22 	气动继磨机 O23 	气动继磨机 O23 	气动继磨机 O23 	
精密夹头	高扭力型 适用于精密研磨及修整作业 研磨抛光	90°平面研磨机 适用于平面研磨倒角及修整 研磨抛光	45°平面刻磨机 适用于修刀磨沟槽、研磨 研磨抛光	45°弯头刻磨机 适用于修刀磨沟槽、研磨 研磨抛光	平面研磨机 适用于大平面研磨抛光 研磨抛光	涡轮式气动超声波机 适用于模具细微部分加工 研磨抛光	涡轮式气动超声波 适用于高效率及大面积研磨 研磨抛光	左右横摆气动继磨机 适用于模具浅沟、骨位、深肋 研磨抛光	
手动卡盘	气动继磨机 O23 	气动继磨机 O24 	气动继磨机 O24 	气动继磨机 O24 	气动继磨机 O24 	砂纸 O27 	砂纸 O27 	砂纸 O27 	
顶针	风叶式气动超声波 适用于模具细微部分研磨 研磨抛光	气动横摆研磨机 适用于大平面快速研磨修边处理 研磨抛光	气动锉刀机 适用于各种铸件或零件清除毛边及倒角 研磨抛光	吊磨超声波机 适用于修刀磨沟槽、骨位研磨作业 研磨抛光	电动工具 适用于各种研磨抛光作业 研磨抛光	红鹰砂纸 粒度120#-2000# 研磨抛光	勇士砂纸 粒度240#-5000# 研磨抛光	西德砂布卷 粒度60#-600# 研磨抛光	
铣床虎钳配件	砂纸 O27 	油石 O28 	油石 O28 						
磨床磁盘	勇士砂纸 粒度40#-600# 研磨抛光	金钟油石 研磨抛光	必宝油石 研磨抛光						
工具万力									
线割配件									
机床工具									
车床卡盘									
铣床虎钳									
磨床磁盘									
线割配件									
机械工具									



中空卡盘

中实卡盘

立式卡盘

气动卡盘

生爪硬爪

车床刀套

刀座

精密夹头

手动卡盘

顶针

铣床虎钳配件

磨床磁盘

工具万力

线割配件

机床工具

车床卡盘

铣床虎钳

磨床磁盘

线割配件

机械工具

抛光研磨

- 中空卡盘
- 中实卡盘
- 立式卡盘
- 气动卡盘
- 生爪硬爪
- 车床刀套
- 刀座
- 精密夹头
- 手动卡盘
- 顶针
- 铣床虎钳配件
- 磨床磁盘
- 工具万力
- 线割配件
- 机床工具
- 车床卡盘
- 铣床虎钳
- 磨床磁盘
- 线割配件
- 机械工具

高档陶瓷带柄砂轮磨头

High Quality Vitrified Mounted Point With Shaft

- 本产品为陶瓷结合剂烧结砂轮。
- 主要特点耐磨耗、磨削力强、采用优质钢轴、砂轮同心度极佳。
- 用途金属磨削、修补等。材质(PA)铬刚玉、(WA)白刚玉、(A)棕刚玉、(GC)绿碳化碳硅、(C)黑碳。
 - This product is a ceramic bond sintered grinding wheel.
 - Main characteristics. Strong resistance to abrasion, Grinding force, With high-quality steel shaft, Wheel good concentricity.
 - Application Metal grinding, Repairing, etc.
 - Material (PA) Chromium corundum, (WA) White corundum, (A) Corundum, (GC) Green siliconcarbide, (C) Black silicon carbide.
- 非标或特异规格可订做生产
- Non-standard or special specification can be customized production

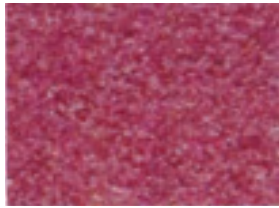


牙科专用砂轮

Dental special grinding wheel-2.34mm Shank



单位:mm
Unit



PA



C



39A



38A



A



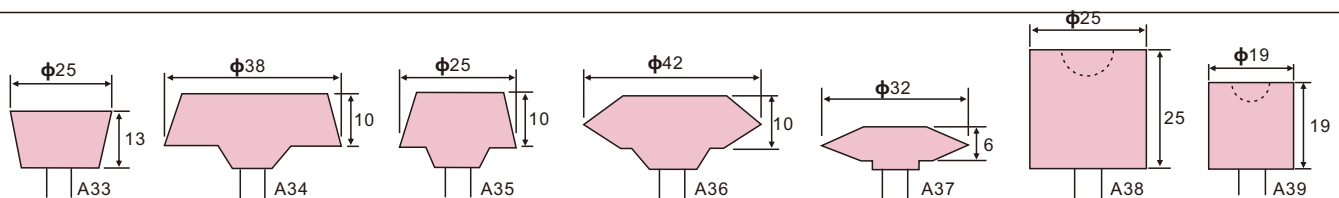
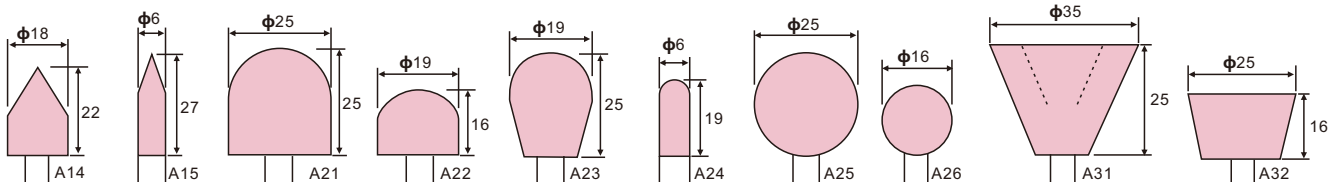
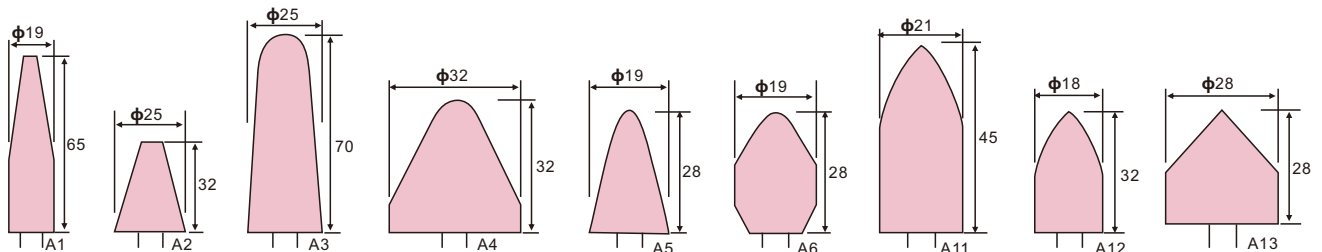
WA



GC

带柄砂轮A标准型

Mounted Standard A type-6.0mm Shank



单位:mm
Unit

中空卡盘

中实卡盘

立式卡盘

气动卡盘

生爪硬爪

车床刀套

刀座

精密夹头

手动卡盘

顶针

铣床虎钳配件

磨床磁盘

工具万力

线割配件

机床工具

车床卡盘

铣床虎钳

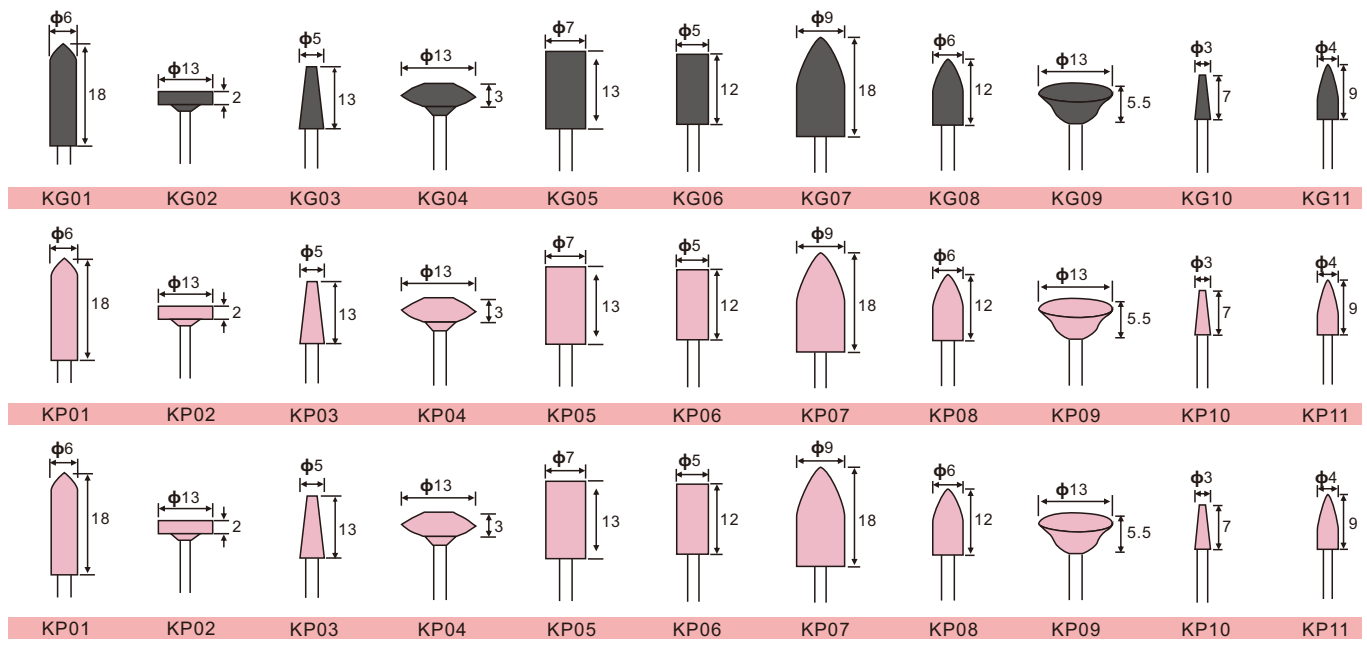
磨床磁盘

线割配件

机械工具

抛光研磨

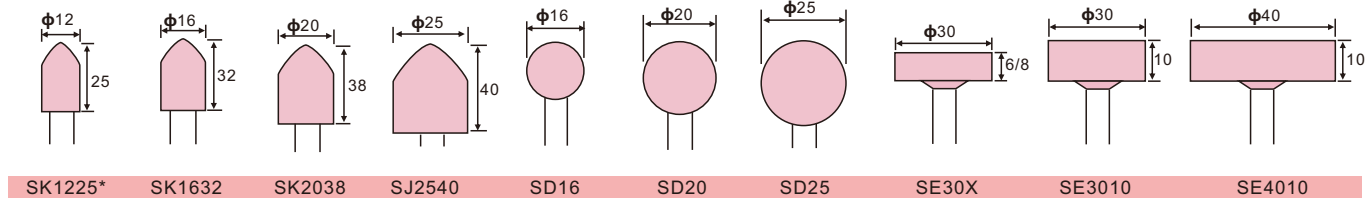
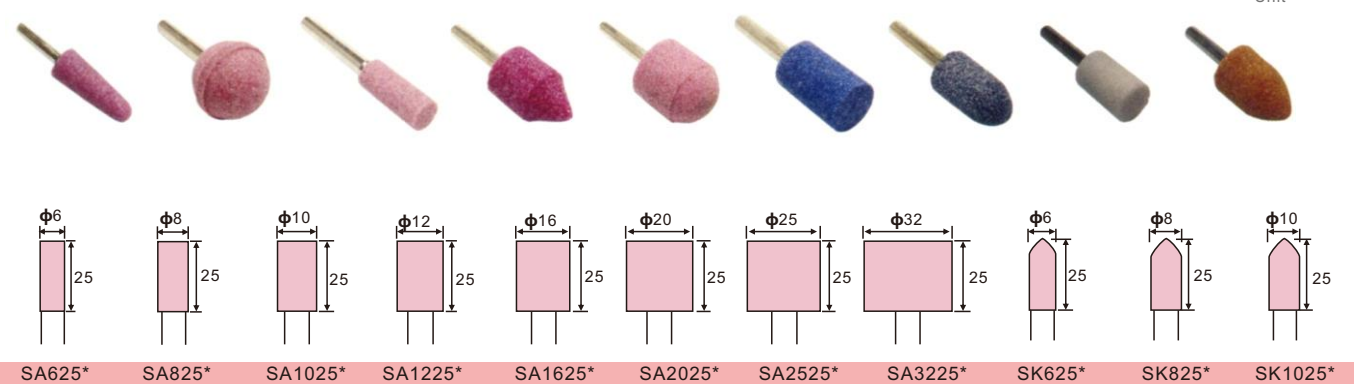
- 中空卡盘
- 中实卡盘
- 立式卡盘
- 气动卡盘
- 生爪硬爪
- 车床刀套
- 刀座
- 精密夹头
- 手动卡盘
- 顶针
- 铣床虎钳配件
- 磨床磁盘
- 工具万力
- 线割配件
- 机床工具
- 车床卡盘
- 铣床虎钳
- 磨床磁盘
- 线割配件
- 机械工具
- 抛光研磨



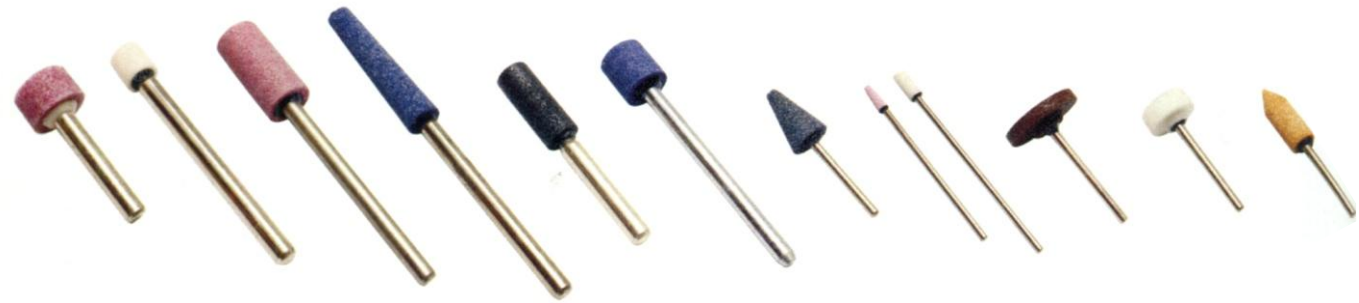
材质与颜色: 绿色 (GC) 白色 (WA) 粉红色 (PA) 桔色 (38A)、蓝色 (39A) Materials and colours: Green (GC), White (WA), Pink (PA), Orange (38A), Blue (39A)

带柄砂轮 Mounted Points-6.0mm Shank

单位:mm
Unit



带柄砂轮特殊型 Mounted Special Type

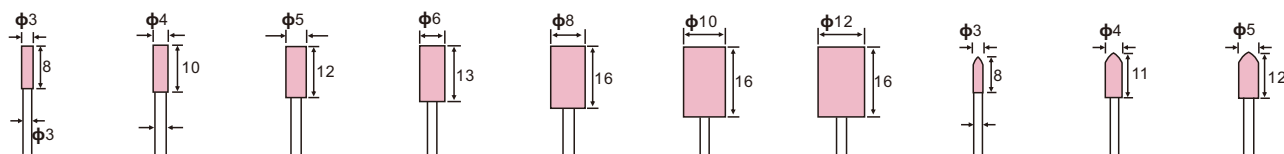


气动小砂轮 Small Pneumatic Grinding Wheel

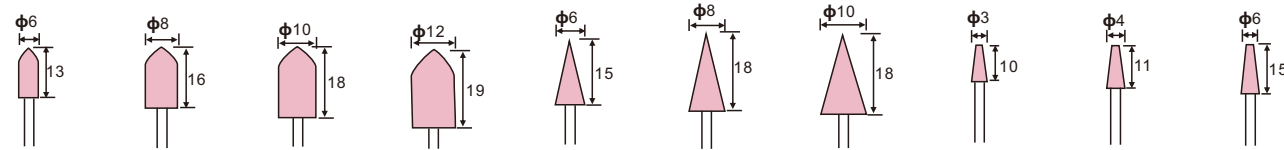
#60/Pink	#80/Pink	#100/Brwn	#120/Orange	#150/Blue	粒度颜色 Granularity Color
Fs60	Fs80	Fs100	Fs120	Fs150	编号 Order No.



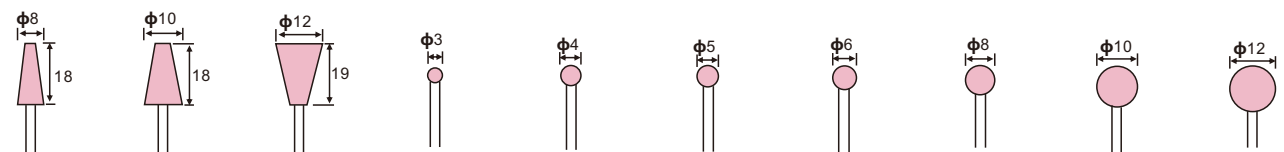
带柄砂轮 Small Pneumatic Grinding Wheel



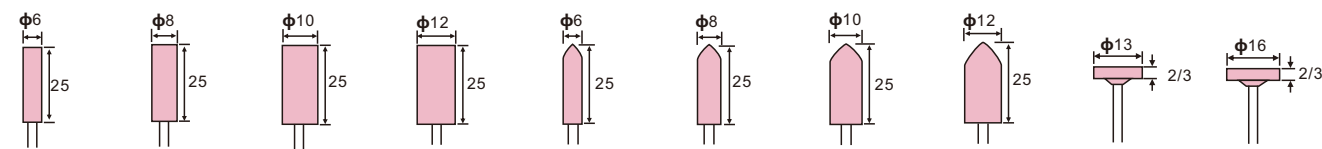
SA308 SA410 SA512 SA613 SA816 SA1016 SA1216 SK308 SK411 SK512



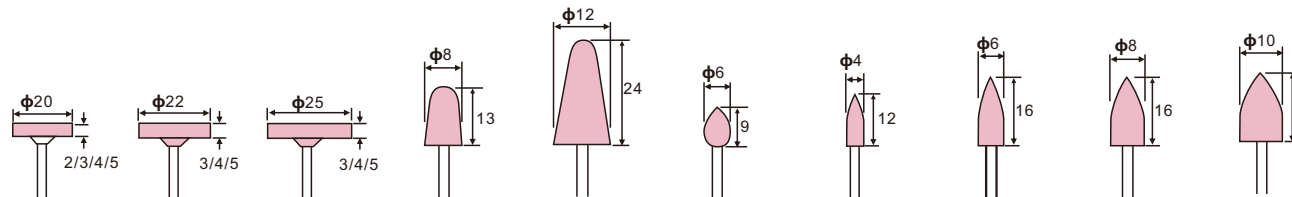
SK613 SK816 SK1018 SK1219 SP615 SP818 SP1018 SL310 SL411 SL615



SL818 SL1018 SN1219 SD3 SD4 SD5 SD6 SD8 SD10 SD12



SA625 SA825 SA1025 SA1225 SK625 SK825 SK1025 SK1225 SE13X SE16X



SE20X SE22X SE25X SR813 SR1224 SS609 SJ412 SJ616 SJ816 SJ1016

说明：标准柄径为**3.0mm**，其它柄径为**2.34mm**，请指明订购。
 Noet:3.0mm shank is standard, others 2.34mm depend on request.

中空卡盘
 中实卡盘
 立式卡盘
 气动卡盘
 生爪硬爪
 车床刀套
 刀座
 精密夹头
 手动卡盘
 顶针
 铣床虎钳配件
 磨床磁盘
 工具万力
 线割配件
 机床工具

车床卡盘

铣床虎钳

磨床磁盘

线割配件

机械工具

抛光研磨

弹性带柄砂轮 Elastic Mounted Points

· 弹性带柄砂轮分为三种海棉砂轮 (#120)、牛皮砂轮 (#180)、橡胶砂轮 (#240#)

· Elastic Mounted Points is divided into three types. Rubberize Point (# 120), Resinoid Point (# 180), Resinoid Point (# 240)

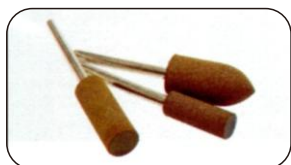
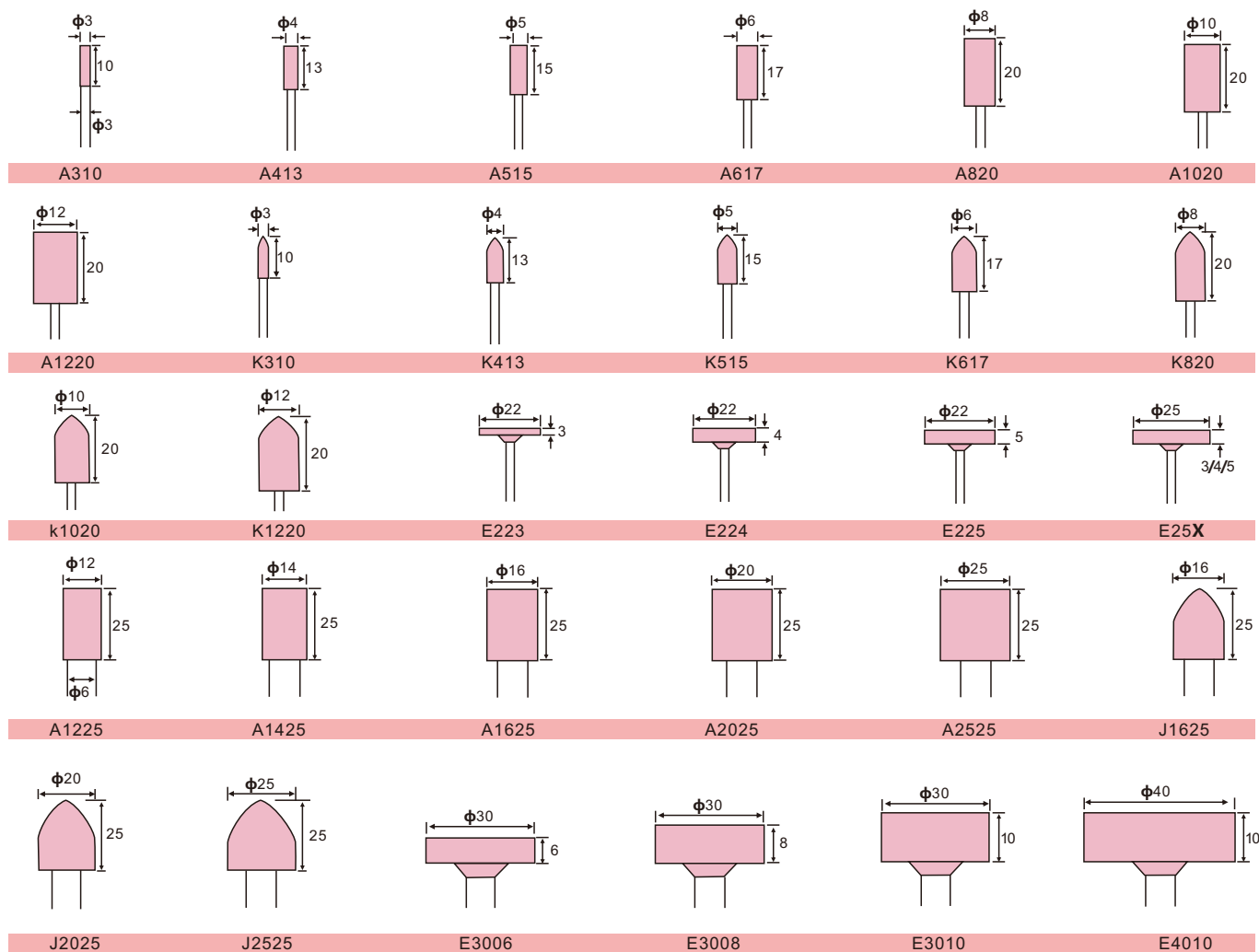
· 主要特点: 弹性带、柄砂轮可以根据被加工表面工件的精度要求, 选用不同的磨料粒度, 可以达到不同的表面光洁度要求。
· Main features: Elastic Mounted Points can be according to the accuracy requirement of the surface of workpieces, choose different abrasive granularity, can meet the requirements of different surface finish.

· 用途主要: 用在模具粗加工后的表面抛光、铝合金制品、不锈钢、金银首饰及其它有色金属表面的抛光。

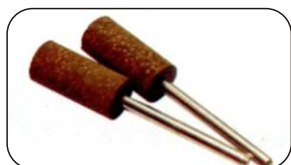
· USES Mainly used in the mold surface polishing after rough machining, aluminum alloy products, stainless steel, gold and silver jewelry and other non-ferrous metal surface polishing



弹性带柄砂轮示意图 Elastic Mounted Points Schematic Diagram



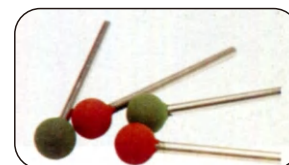
牛皮砂轮 Resinoid Point



海棉砂轮 Rubberize Point



橡胶砂轮 Rubber wheel



特殊款 Special Section

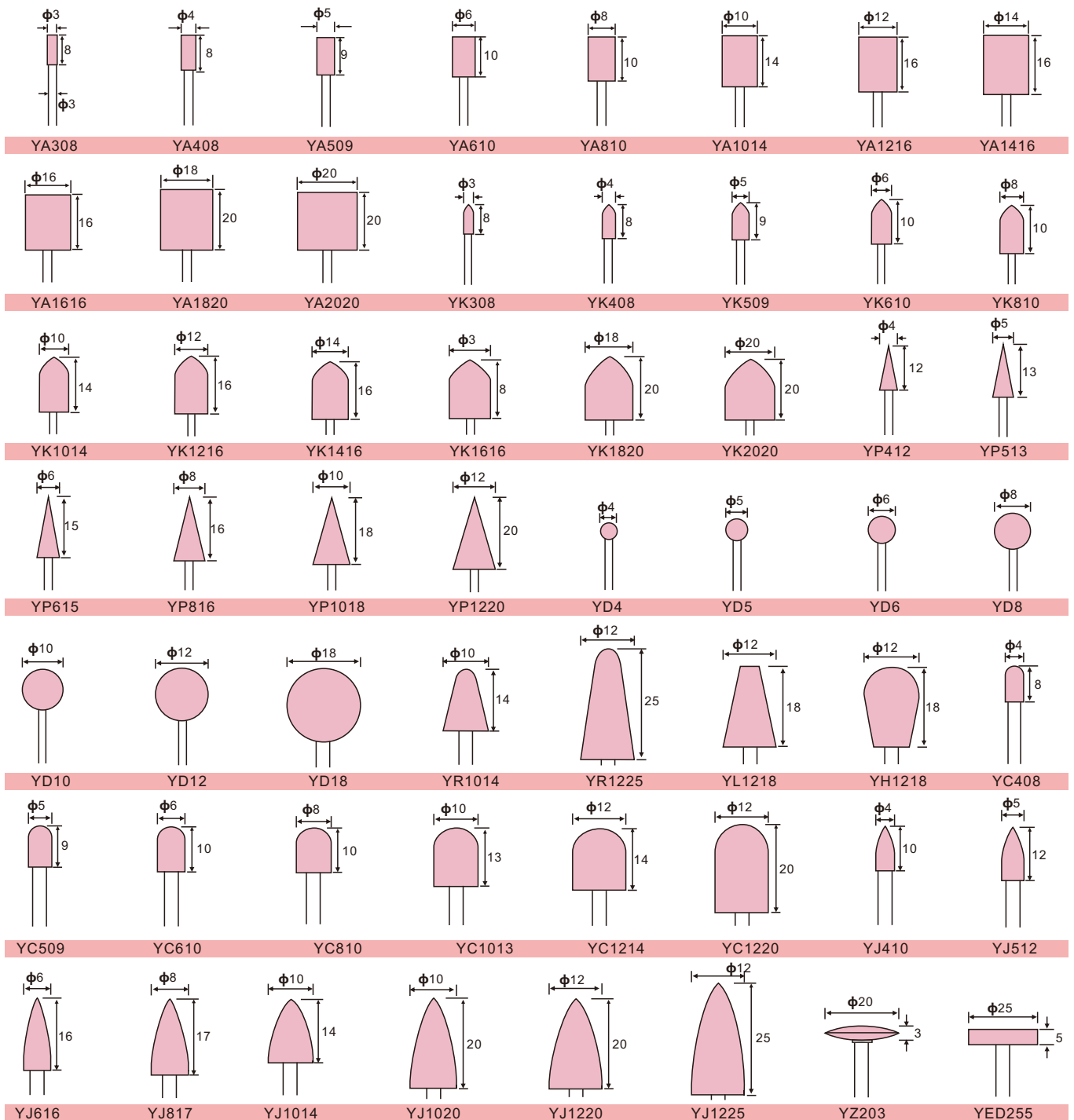
羊毛制品抛光系列 Felt products Grinding Series

· 本羊毛制品抛光系列材料采用进口百分之百纯澳毛制作，不含其它胶水及原料，其硬度靠羊毛自身密度支撑，在使用过程中，出光效果高，光洁度好，耐抛等优点。

• The wool polishing series of materials imported 100% pure wool production, with out glue and other materials its hardness by the density of wool itself support the use of the process, the optical effect of a high finish and good resistance to polishing and so on.



羊毛轮 Felt Bobs-3.0mm、2.34mm Shank



中空卡盘

中实卡盘

立式卡盘

气动卡盘

生爪硬爪

车床刀套

刀座

精密夹头

手动卡盘

顶针

铣床虎钳配件

磨床磁盘

工具万力

线割配件

机床工具

车床卡盘

铣床虎钳

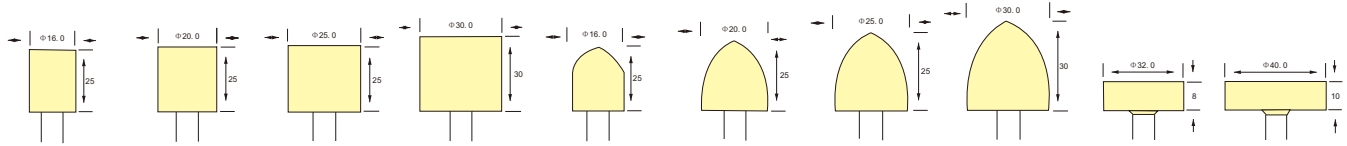
磨床磁盘

线割配件

机械工具

抛光研磨

羊毛轮/FELT BOBS-6.0 MM SHANK



YA1625

YA2025

YA2525

YA3030

YK1625

YK2025

YK2530

YK3030

YE3208

YE4010

其他羊毛制品/OTHER FELT PRODUCTS

实图物/REAL FIGURE	尺寸 (mm) Dimensions(mm)	Order No.
	6Wx6Tx45Lx3D	YT06
	8Wx8Tx45Lx3D	YT08
	10Wx10Tx45Lx3D	YT10
	12Wx12Tx45Lx3D	YT12
	25Dx3Ex1.8K	YE253
	25Dx4Ex1.8K	YE254
	25Dx5Ex1.8K	YE255
	20Wx1Ex1000L	YG 201 1
	20Wx2Ex1000L	YG 2021
	20Wx3Ex1000L	YG2031
	25Wx2Ex1000L	YG2521
	25Wx2Ex1500L	YG2522
	25Wx3Ex1500L	YG2532
<p>轴柄/Mandrel For Felt Disc</p>	D2.34mm	KB234
	D3.0mmd	KB300
	3.0mm (硬钢)	KB300A

黑牛牌超精油石/blackcow Super Fine Oil Stone
 黑牛牌铁工油石/blackcow Blacksmith Oil Stone
 黑牛牌粗目油石/bl Ackcow Coarse Mesh Oil Stone
 红宝油石/ruby Oil Stone
 犀利盾纤维油石/ceraton Ceramic Fiber Stone
 迷你纤维油石/mini Ceramic Fiber Stones
 油石夹具/tool Holders



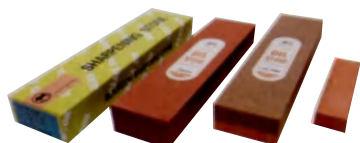
黑牛牌超精油石/Black Bull Super Essential Oil Stone



黑牛牌超精油石主要用来去除各种模具EDM加工后之硬化表层。
The Black Bull Brand Ultra Essential Oil Stone Is Mainly used To Remove The Hardened Surface Layer Of Various Molds after Edm Processing.

颜色 colour	粒度 granularity	规格型号 Specification and model	包装 package	编号 number
白色 white	#150 #180	1/4x1/8x6"	36PCS	BCO063
	#220 #320	1/2x1/8x6"	24PCS	BCO133
	#400 #600	1/2x1/4x6"	12PCS	BCO136
咖啡色 coffee	#150 #180	1/4x1/8x6"	36PCS	BCS063
	#220 #320	1/2x1/8x6"	24PCS	BCS133
	#400 #600	1/2x1/4x6"	12PCS	BCS136
白色 white	#800 #1000	1/4x1/8x6"	36PCS	BCH063
	#1200 #1500	1/2x1/8x6"	24PCS	BCH133
	#2000	1/2x1/4x6"	12PCS	BCH136

黑牛牌铁工油石



黑牛牌铁工油石主要用于切削工具、治具、夹具等之修饰、细磨、精磨加工或毛边处理。
The Black Bull brand iron working oil stone is mainly used for the decoration, fine grinding, precision grinding or rough edge treatment of cutting tools, metallurgical tools, fixtures, etc.

规格型号 Specification and model	粒度 granularity	编号 number
200x50x25 (单面)	#80 #100 #120 #150 #240 #320 #400 #600 #800 #1000 #1200 #1500 #2000 #3000	BCD821
200x50x25 (双面)	#120 #400	BCS821
100x25x13	#80 #100 #120 #150 #240 #320 #400 #600 #800 #1000 #1200 #1500 #2000 #3000	BCS41B

粗目油石

Coarse grained oilstone



粗目油石广泛应用于模具制造、砂轮修磨钢丝磨利等，本产品耐用，高效，自锐性好！
Coarse grained oilstone is widely used in mold manufacturing, grinding wheel grinding, steel wire wheel grinding, etc. Durable, efficient, and self sharpening!

规格型号 Specification and model	编号 number
200x50x25	BCC821
200x25x25	BCC41B

红宝油石

Red Treasure Oil Stone

红宝油石产品程玫瑰红，经高温烧结而成，结构紧密而细腻，且有很高的硬度和强度。在磨削工件时，能在较长时间内保持锐利的刃口和稳定的几何形状。适应于加工韧性高的淬火钢、合金钢、精密量具及仪表零件等光洁度要求高的工件。非标规格需订做请说明。

The Red Treasure Oil Stone Product, Chenggong Rose Red, Is Made By High-temperature Sintering, With A Compact And Delicate Structure, And High Hardness And Strength. When Grinding Workpieces, They Can Maintain Sharp Edges And Stable Geometry For A Long Timeshape. Suitable For Processing Workpieces With High Smoothness Requirements Such As Quenched Steel, Alloy Steel, Precision Measuring Tools, And Instrument Parts With High Toughness. Non Standard Specifications Require Customization. Please Specify.

软性擦磨油石

Soft abrasive stone



软性擦磨油石适用于金属、木材、油漆、塑料、橡胶、不锈钢和纸张表面清洁及拉纹，具有不损伤工件表面，不留污渍等神奇作用。

Soft Abrasive Stone Is Suitable For Metal, Wood, Paint, Plastic, Rubber, Stainless Steel, And Paper The Surface Is Clean And Textured, With Magical Effects Such As Not Damaging The Surface Of The Workpiece And Leaving No Stains.

尺寸 size	粒度 granularity	编号 number
80x50x20	#30	SM852030
80x50x20	#60	SM852060
80x50x20	#120	SM852120
80x50x20	#240	SM852240

中空卡盘

中实卡盘

立式卡盘

气动卡盘

生爪硬爪

车床刀套

刀座

精密夹头

手动卡盘

顶针

铣床虎钳配件

磨床磁盘

工具万力

线割配件

机床工具

车床卡盘

铣床虎钳

磨床磁盘

线割配件

机械工具

抛光研磨

- 中空卡盘
- 中实卡盘
- 立式卡盘
- 气动卡盘
- 生爪硬爪
- 车床刀套
- 刀座
- 精密夹头
- 手动卡盘
- 顶针
- 铣床虎钳配件
- 磨床磁盘
- 工具万力
- 线割配件
- 机床工具
- 车床卡盘
- 铣床虎钳
- 磨床磁盘
- 线割配件
- 机械工具
- 抛光研磨

实图物/REAL FIGURE	尺寸 (mm) Dimensions(mm)	Order No.
	200x50x25	HBS821C
	100x25x13	HBS2513
	100x20x10	HBS2010
	100x10x6	HBS106
	100x10x5	HBS105
	100x10x4	HBS104
	100x10x3	HBS103
	100x10x2	HBS102
	100x6x3	HBS63
	100x6x2	HBS62
	100x4x2	HBS42
	100x10x10	HBS1010
	100x8x8	HBS88
	100x6x6	HBS66
	100x4x4	HBS44
	100x2x2	HBS22
	100x10三角	HB5J10
	100x8三角	HBSJ8
	100x6三角	HBSJ6
	100x4三角	HBS J4
	100x3三角	HBSJ3
	100x10圆	HBSD10
	100x8圆	HBSD8
	100x6圆	HBSD6
	100x5圆	HBSD5
	100x4圆	HBSD4
	100x3圆	HBSD3
	100x2圆	HBSD2

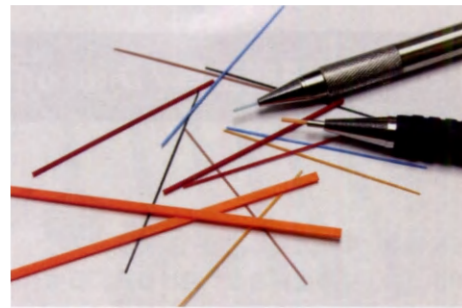
迷你纤维油石

迷你纤维油石可适用于各种模具之研磨及各种零件之精细抛光。尤其是雕刻部位之加工，微小内部，模具角部精细抛光，以及各种微细或复杂部位之加工。

Mini Fiber Oilstone Is Suitable For Grinding Various Molds And Fine Polishing Various Parts.especially For The Processing Of Carving Parts, Fine Polishing Of Small Internal Parts And Mold Corners, And Processing Of Various Micro Or Complex Parts.

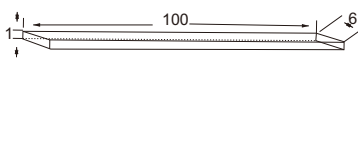
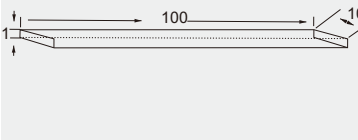
使用纤维油石时请将工具与工件成30-45度, 端面研磨效果最佳。

When using fiber oilstone, please align the tool with the workpiece at an angle of 30-45 degrees to achieve the best end grinding effect.

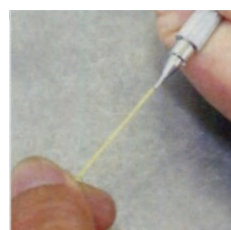
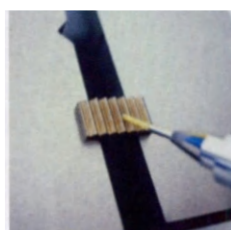
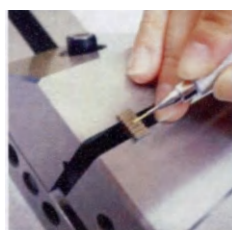
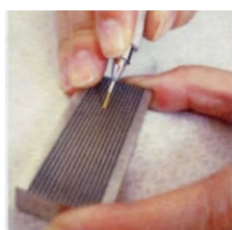


粒度 granularity	使用建议 Usage suggestions
#180 #250 #280	模具放电加工后之硬化表层去除及机械切削粗糙刀痕之去除 Removal of hardened surface layer and removal of rough tool marks in mechanical cutting after mold discharge machining
#360 #400	细微加工痕迹之去除及一般研磨 Removal of Minor Processing Marks and General Grinding
#700 #1000 #1200	精密研磨或镜面处理前之抛光 Polishing before precision grinding or mirror treatment
3.0mm圆柱/Round	可搭配刻磨机当成研磨棒使用(长度勿超过50mm长), 亦或将之磨尖用于微角落或窄缝处之研磨 It can be used with a grinding mill as a grinding rod (not exceeding 50mm in length), or it can be sharpened for grinding at small corners or narrow seams

犀利盾纤维油石 Sharp Shield Fiber Oil Stone

规格型号 Specification and model	尺寸 size	粒度 size	颜色 colour	编号 number		
	1x4x10	#180	咖啡 Add morphine	CSC1004		
		#250	橙色 orange	CSO1004		
		#280	黑色 black	CSD1004		
		#360	海军蓝 Navy Blue	CSN1004		
		#400	浅蓝 Light blue	CSB1004		
		#700	黄色 yellow	CSY1004		
		#1000	粉红 pink	CSP1004		
		#1200	红色 red	CSR1004		
			1x6x100	#180	咖啡 Add morphine	CSC1006
				#250	橙色 orange	CSO1006
				#280	黑色 black	CSD1006
				#360	海军蓝 Navy Blue	CSN1006
#400	浅蓝 Light blue			CSB1006		
#700	黄色 yellow			CSY1006		
#1000	粉红 pink			CSP1006		
#1200	红色 red			CSR1006		
	1x10x100			#180	咖啡 Add morphine	CSC1010
				#250	橙色 orange	CSO1010
				#280	黑色 black	CSD1010
				#360	海军蓝 Navy Blue	CSN1010
		#400	浅蓝 Light blue	CSB1010		
		#700	黄色 yellow	CSY1010		
		#1000	粉红 pink	CSP1010		
		#1200	红色 red	CSR1010		
			3x100	#180	咖啡 Add morphine	CDC30
				#250	橙色 orange	CDO30
				#280	黑色 black	CDD30
				#360	海军蓝 Navy Blue	CDN30
#400	浅蓝 Light blue			CDB30		
#700	黄色 yellow			CDY30		
#1000	粉红 pink			CDP30		
#1200	红色 red			CDR30		

规则尺寸 Regular size	粒度与编号 Grain size and numbering				使用夹具 Using fixtures
	#250	#400	#700	#1200	
0.5x0.5x50L	MOS055	MOS055	MOS055	MOS055	XH007
0.7x0.7x50L	MOS075	MOS075	MOS075	MOS075	XH009
0.9x0.9x50L	MOS095	MOS095	MOS095	MOS095	XH013
1x2x100L	MOS121	MOS121	MOS121	MOS121	XH200



油石夹具 Oilstone fixture

编号 number	可夹持尺寸 Clamping size	适用 suit
XH007	Square0.5x0.5	迷你纤维油石 Mini fiber oilstone
XH009	Square0.7x0.7	迷你纤维油石 Mini fiber oilstone
XH200	Flat2x1	迷你纤维油石 Mini fiber oilstone
XH013	Square0.9x0.9	迷你纤维油石 Mini fiber oilstone
XH22	Round3.0	纤维油石 Fiber oilstone
XH041	平形/Flat4x1	纤维油石 Fiber oilstone
XH061	平形/Flat6x1	纤维油石 Fiber oilstone
XH101	平形/Flat10x1	纤维油石 Fiber oilstone
XH062	平形/Flat6x2-6x3	一般油石 General oilstone
XH133	平形/Flat13x3	一般油石 General oilstone
XH136	平形/Flat13x6	一般油石 General oilstone

中空卡盘

中实卡盘

立式卡盘

气动卡盘

生爪硬爪

车床刀套

刀座

精密夹头

手动卡盘

顶针

铣床虎钳配件

磨床磁盘

工具万力

线割配件

机床工具

车床卡盘

铣床虎钳

磨床磁盘

线割配件

机械工具

抛光研磨

中空
卡盘

中实
卡盘

立式
卡盘

气动
卡盘

生爪
硬爪

车床
刀套

刀座

精密
夹头

手动
卡盘

顶针

铣床
虎钳
配件

磨床
磁盘

工具
万力

线割
配件

机床
工具

车床
卡盘

铣床
虎钳

磨床
磁盘

线割
配件

机械
工具

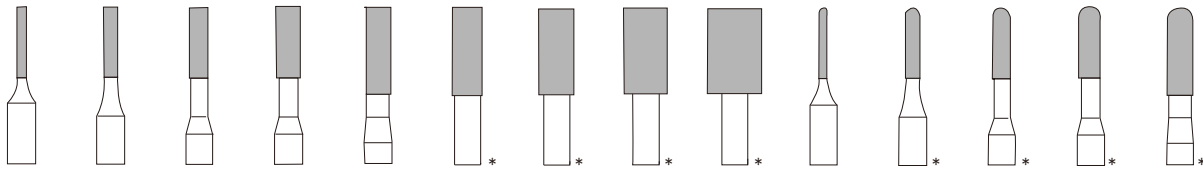
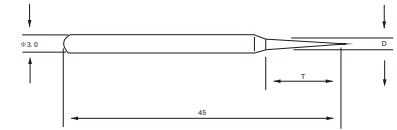
抛光
研磨

主要特点切削力强、耐磨、不掉皮。用途加工打磨硬质合金，各种模具、石材、玻璃、玉器、宝石、及各种高硬脆性材料的理想产品。
The Main Characteristics Are Strong Cutting Force, Wear Resistance, And No Peeling. Ideal For Processing And Polishing Hard Alloys, Various Molds, Stones, Glass, Jade, Gemstones, And Various High Hardness Brittle Materials.

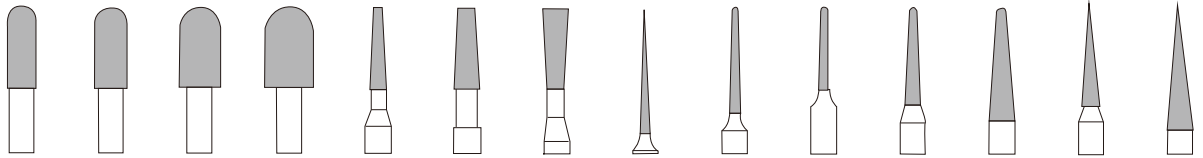
钻石磨棒 Diamond grinding rod

主要特点该产品具有精度高磨削速度快，产生热量少使用寿命长、综合成本低的特点。
用途加工打磨硬质合金、各种模具、石材玻璃、玉器、宝石牙齿骨骼及各种高硬脆性材料的理想产品。

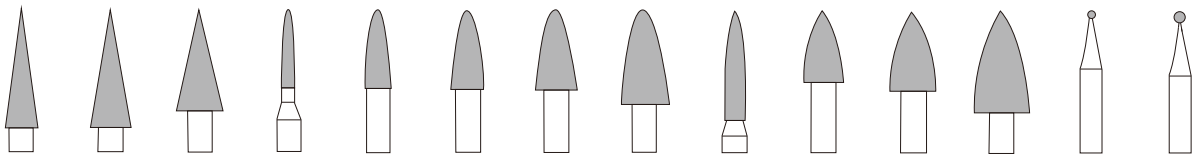
The Main Features Of This Product Are High Precision, Fast Grinding Speed, Low Heat Generation, Long Service Life, And Low Overall Cost. Ideal For Processing And Polishing Hard Alloys, Various Molds, Stone Glass, Jade, Gemstones, Teeth, Bones, And Various High Hardness And Brittleness Materials.



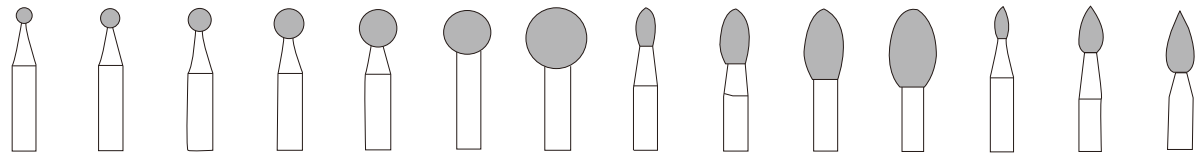
Order No.	10A	15A	20A	25A	30A	35A	40A	50A	60A	10C	15C	20C	25C	30C
ΦD	1	1.5	2	2.5	3	3.5	4	5	6	1	1.5	2	2.5	3
T	8	8	8	8	10	10	10	10	10	8	8	8	8	10



Order No.	35C	40C	50C	60C	20T	30T	30V	13R	14R	15R	20R	30R	20P	30P
ΦD	3.5	4	5	6	2	3	3	1.2	1.5	1.5	2	3	2	3
T	10	10	10	10	10	10	10	16	11	10	12	14	12	15



Order No.	40P	50P	60P	20F	30F	40F	50F	60F	30J	40J	50J	60J	10B	15B
ΦD	4	5	6	2	3	4	5	6	3	4	5	6	1	1.5
T	15	15	13	10	12	10	10	12	14	9	10	13	-	-



Order No.	20B	25B	30B	40B	50B	60B	80B	30Q	40Q	50Q	60Q	20S	30S	40S
ΦD	2	2.5	3	4	5	6	8	3	4	5	6	2	3	4
T	-	-	-	-	-	-	-	5	7	9	10	4	6	8

说明有*之尺寸, 无法, 提供2.34mm柄
Please note that there is a size of * and it is not possible to provide a 2.34mm handle

钻石、氮化硼内孔研磨棒

Diamond and boron nitride inner hole grinding rod



本产品主要用于各种内孔研磨治具 磨或小孔径之精密研磨。

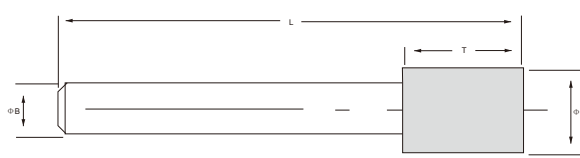
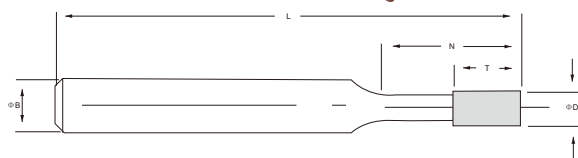
钻石适用于研磨钨钢、陶瓷、蓝宝石玻璃等。

氮化硼适用于研磨热处理硬化后之各种合金钢材。

This Product Is Mainly Used For Various Internal Hole Grinding Fixtures Or Precision Grinding Of Small Apertures.

Diamonds Are Suitable For Grinding Tungsten Steel, Ceramics, Sapphire Glass, Etc.

Boron Nitride Is Suitable For Grinding Various Alloy Steels After Heat Treatment And Hardening



D	T	L	B	编号 number	粒度/钻石 Particle size/diamond	氮化硼 boron nitride
1	5	45	3	100# 150# 200# 400#	ID3010	IB3010
1.5	5	45	3	100# 150# 200# 400#	ID3015	IB3015
2	5	45	3	100# 150# 200# 400#	ID3020	IB3020
2.5	5	45	3	100# 150# 200# 400#	ID3025	IB3025
3	5	45	3	100# 150# 200# 400#	ID3030	IB3030
3.5	5	45	3	100# 150# 200# 400#	ID3035	IB3035
4	5	45	3	100# 150# 200# 400#	ID3040	IB3040
5	8	45	3	100# 150# 200# 400#	ID3050	IB3050
6	8	45	3	100# 150# 200# 400#	ID3060	IB3060
3	10	80	6	100# 150# 200# 400#	ID6030	IB6030
3.5	10	80	6	100# 150# 200# 400#	ID6035	IB6035
4	10	80	6	100# 150# 200# 400#	ID6040	IB6040
5	10	80	6	100# 150# 200# 400#	ID6050	IB6050
6	10	80	6	100# 150# 200# 400#	ID6060	IB6060
7	10	80	6	100# 150# 200# 400#	ID6070	IB6070
8	10	80	6	100# 150# 200# 400#	ID6080	IB6080
9	10	80	6	100# 150# 200# 400#	ID6090	IB6090
10	10	80	6	100# 150# 200# 400#	ID6100	IB6010
11	10	80	6	100# 150# 200# 400#	ID6110	IB6110
12	10	80	6	100# 150# 200# 400#	ID6120	IB6120



标准粒度外其它粒度请注明订购。

Please specify ordering for sizes other than standard sizes

中空
卡盘

中实
卡盘

立式
卡盘

气动
卡盘

生爪
硬爪

车床
刀套

刀座

精密
夹头

手动
卡盘

顶针

铣床
虎钳
配件

磨床
磁盘

工具
万力

线割
配件

机床
工具

车床
卡盘

铣床
虎钳

磨床
磁盘

线割
配件

机械
工具

抛光
研磨

钻石平斜锉刀 Diamond flat oblique file

单支装 Single pack	全长 entire length	钻石长 Diamond long	形状 shape	粒度 granularity	编号 number
	180	30		#200	PTF12FP
				#400	TF12VP
				#600	TF12XP
	180	30		#200	TF14FP
				#400	TF14VP
				#600	TF14XP
	180	30		#200	TF16FP
				#400	TF16VP
				#600	TF16XP
	180	50		#200	TF103FP
				#400	TF103VP
				#600	TF103X

单支装 Single pack	全长 entire length	钻石长 Diamond long	形状 shape	粒度 granularity	编号 number
	180	40		#150	CF402J
				#200	CF402F
				#400	CF402V
	180	50		#150	CF404J
				#200	CF404F
				#400	CF404V
	180	50		#150	CF406J
				#200	CF406F
				#400	CF406V
	180	50		#150	CF408J
				#200	CF408F
				#400	CF408V

MTP 120 12 PCS.SET IN PVC POUCH	尺寸 size	粒度 granularity	编号 number
		#150	MTP 12J
		#200	MTP 12F
		#300	MTP 12H
		#400	MTP 12V
		#600	MTP 12X
		#150	MTP 14J
		#200	MTP 14F
		#300	MTP 14H
		#400	MTP 14V
		#600	MTP 14X
		#150	MTP 16J
		#200	MTP 16F
	#300	MTP 16H	
	#400	MTP 16V	
		#600	MTP 16X

钻石油石 Diamond oilstone	尺寸 size	柄部材质 Handle material	编号 number
	10-2-40	塑料柄	RSH01
	5-2.5R-4-40	铁柄	RSH03
	10-230	铝柄	RSH04
	10-3-120		RS103
	6-3-100		RS063
	6-2 100		RS062
	4-4-100		RS044
	D3x100		RSD3

粒度: #200 #400 #600 #800 #1000 #1200 #1800 #2000 #3000 #5000

Particle size: # 200 # 400 # 600 # 800 # 1000 # 1200 # 1800 # 2000 # 3000 # 5000

钻石10件套什锦锉刀组

Diamond 10 Piece Mixed File Set

钻石砂布 Diamond emery cloth	粒度 granularity	尺寸 size	编号 number
	#120	50x100	ZS 105
	#150		
	#200		
	#300		
	#400		
	#600		
	#800		
#1200			
#1500			

钻石砂布 Diamond emery cloth	粒度 granularity	尺寸 size	编号 number
	#180	4x15x3	ZS 300
		6x15x3	
		8x15x3	
		10x15x3	
		12x15 x 3	

单支详图 Single support detail	形状 shape	粒度 granularity	编号 number		
		120#	ZS 301	ZS 401	ZS 501
		120#	ZS 302	ZS 402	ZS 502
		120#	ZS 303	ZS 403	ZS 503
		120#	ZS 304	ZS 404	ZS 504
		120#	ZS 305	ZS 405	ZS 505
		120#	ZS 306	ZS 406	ZS 506
		120#	ZS 307	ZS 407	ZS 507
		120#	ZS 308	ZS 408	ZS 508
		120#	ZS 309	ZS 409	ZS 509
		120#	ZS 310	ZS 410	ZS 510

不同形状尺寸请指明订购

Please specify the order for different shapes and sizes



中空卡盘

中实卡盘

立式卡盘

气动卡盘

生爪硬爪

车床刀套

刀座

精密夹头

手动卡盘

顶针

铣床虎钳配件

磨床磁盘

工具万力

线割配件

机床工具

车床卡盘

铣床虎钳

磨床磁盘







线割配件

机械工具

抛光研磨

中空卡盘 中实卡盘 立式卡盘 气动卡盘 生爪硬爪 车床刀套 刀座

钻石大板锉刀 Diamond board file

单支详图 Single support detail	形状 shape	全长 entire length	钻石长 Diamond long	钻石宽 Diamond width	粒度 granularity	编号 number
		6"	130	12~15	#120	ZS 60
		8"	175	13~18	#120	ZS 80
		10"	220	14~23	#120	ZS 100
		12"	265	15~26	#120	ZS 120
						

不同形状尺寸请指明订购
Please specify the order for different shapes and sizes

钻石膏 diamond paste	颗粒尺寸 particle size	相等筛目 Equal sieve size	标示颜色 Marking color	编号 number
钻石膏说明 Diamond Paste Description 1. 可耐钻石膏标准规格品为油性，若需水溶性钻石膏请指明订购。 2. 标准容量为5公克。 3. 若需稀释使用，本公司亦提供稀释油。 1. The standard specification of durable diamond paste is oil solubility, if you need water-soluble diamond paste, please specify the order. 2. The standard capacity is 5 grams. 3. If dilution is required, our company also provides dilution oil.	0.5(0-1)	#28,000	灰色	ZSG 280
	1(0-2)	#14,000	军蓝色	ZSG 140
	3(2-4)	#8,000	卡其色	ZSG 080
	4.5(3-6)	#5,000	粉红色	ZSG 050
	6(4-8)	#3,000	苍绿色	ZSG 030
	8(6-10)	#2,000	黄金色	ZSG 020
	9(6-12)	#1,800	钢蓝色	ZSG 018
	13(10-16)	#1,500	紫罗兰色	ZSG 015
	15(10-20)	#1,200	绿色	ZSG 012
	17 5(15-20)	#1,000	黄铜色	ZSG 010
	25(20-30)	#800	棕褐色	ZSG 008
	35(30-40)	#600	深洋红色	ZSG 006
50(40-60)	#400	红铜色	ZSG 004	
90(80-100)	#200	黑	ZSF 002	



石微粉 Stone powder	颗粒尺寸 particle size	相等筛目 Equal sieve size	编号 number
钻石膏说明 Diamond Paste Description 1. 可耐钻石微粉乃经过精密设备严格筛选，粒度精确颗粒结晶形状统一。它适用于各种钢模、超硬合金、陶瓷、宝石、半宝石等之精密抛光或镜面抛光。 2. 对于某些需求更精密或均匀表面抛光之需求，请购时特别指明，本公司将提供更精密颗粒尺寸之微粉供选用。 1. The durable diamond powder has undergone rigorous screening with precision equipment, with precise particle size. The crystal shape of the particles is uniform. It is suitable for various steel molds, superhard alloys, Precision polishing or mirror polishing of ceramics, gemstones, semi precious stones, etc. 2. For certain requirements of more precise or uniform surface polishing, please purchase When specifically specified, our company will provide more precise particle size micro powder for Selection.	0.5(0-1)	#28,000	ZSG 280
	1(0-2)	#14,000	ZSG 140
	3(2-4)	#8,000	ZSG 080
	4.5(3-6)	#5,000	ZSG 050
	6(4-8)	#3,000	ZSG 030
	8(6-10)	#2,000	ZSG 020
	9(6-12)	#1,800	ZSG 018
	13(10-16)	#1,500	ZSG 015
	15(10-20)	#1,200	ZSG 012
	17 5(15-20)	#1,000	ZSG 010
	25(20-30)	#800	ZSG 008
	35(30-40)	#600	ZSG 006
50(40-60)	#400	ZSG 004	
90(80-100)	#200	ZSF 002	



电铸钻石砂轮

Electroformed diamond grinding wheel

尺寸 size	D	T	W	H	U	粒度 granularity	编号 number
	100	22/35	10	20/19.05	5	#100	ZSL 100
	100	22/35	10	20/19.05	5	#150	ZSL 150
	100	22/35	10	20/19.05	5	#200	ZSL 200
	100	22/35	10	20/19.05	5	#300	ZSL 300
	100	22/35	10	20/19.05	5	#400	ZSL 400
	100	22/35	10	20/19.05	5	#600	ZSL 600

适用钨钢工具之研磨成型用

Suitable for grinding and forming tungsten steel tools



圆锥修刀

Conical trimmer



圆锥修刀用于砂轮之成形修整，或内、外弧之成形修整。

The conical trimming cutter is used for the shaping and trimming of grinding wheels, or for the shaping and trimming of inner and outer arcs.

示意图 Sketch Map	钻石原料 Diamond raw materials	钻石角度 Diamond angle	钻石端弧度 Diamond end radian	编号 number
	60°	0.02-0.03R	1/8X2"L	ZX 30
	60°	0.02-0.03R	1/4X2"L	ZX 60
	60°	0.02-0.03R	3/8X2"L	ZX100

单石修刀

Single stone trimming knife

示意图 Sketch Map	规格型号 Specification and model	钻石番数大约重量 Approximate weight of diamond number	适应砂轮 Adapt to grinding wheels	编号 number
	D8x50L	0.25CT	150x25C以下或更小 150x25C or less	ZX 25
	D10x50L	0.5CT	150-300x25 150-300x25	ZX 50
	D10x80L	#10	150x25C以下或更小 150x25C or less	ZXA10
	D10x150L	#25	150-300x25 150-300x25	ZXA 25
	D12x50L	#33	150-300x25 150-300x25	ZXA 33
	D12x80L	#50	300-450x25-40 300-450x25-40	ZXA 50
	D12x150L	#100	600以上 Above 600	ZXA 100

适用范围 scope of application

无心研磨圆筒研磨 平面研磨 砂轮尺寸300x25到500x63

Centerless grinding cylinder grinding plane grinding wheel size 300x25 to 500x63

中空卡盘

中实卡盘

立式卡盘

气动卡盘

生爪硬爪

车床刀套

刀座

精密夹头

手动卡盘

顶针

铣床虎钳配件

磨床磁盘

工具万力

线割配件

机床工具

车床卡盘

铣床虎钳

磨床磁盘

线割配件

机械工具

抛光研磨

抛光研磨

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抛光研磨

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抛光研磨

- 中空卡盘
- 中实卡盘
- 立式卡盘
- 气动卡盘
- 生爪硬爪
- 车床刀套
- 刀座
- 精密夹头
- 手动卡盘
- 顶针
- 铣床虎钳配件
- 磨床磁盘
- 工具万力
- 线割配件
- 机床工具
- 车床卡盘
- 铣床虎钳
- 磨床磁盘
- 线割配件
- 机械工具
- 抛光研磨

AP-235旋转高精密小电磨

AP-235 rotary high-precision small electric mill



控制主机/Control of the host
 电源/Control the host AC 90~250V,50、60Hz
 输出功率/Output power 70 watt
 有刷马达输出电压/A brush motor output voltage 5~32V
 最大负载保电流/Maximum load current bao 3A
 保险丝/Fuse 2A
 尺寸/Size 192*156*98mm
 净重/Net weight 800g
 旋转手机(有刷)/Rotary handpiece(brush type)
 转速/Speed 35000 rpm Torque/扭力2.9 Ncm
 尺寸/Size 29*152mm Weight/重量260g

运用各种模具之研磨及抛光需要 精准控制转速的加工雕刻硬脆材料、或其他需要高转速的加工，石头、玻璃、宝石等之精细研磨或抛光。
 The use of various molds for grinding and polishing requires precise control of rotational speed for carving hard and brittle materials, or other processes that require high rotational speed, such as fine grinding or polishing of stones, glass, gemstones, etc

超音波振动研磨机

Ultrasonic vibration grinding machine

AR-108单功能型单功能实用型

AR-108 single function single function practical type



超音波研磨单功能输出。
 最有可信赖的品质及良好的操作性能。
 最大40W输出，满足各种加工需求。
 除了模具抛光外亦可用于电路板(PCB)之电子回路修改。

Ultrasonic Grinding Single Function Output.
 The Most Reliable Quality And Excellent Operational Performance.
 The Maximum Output Is 40w, Meeting Various Processing Needs.
 In Addition To Mold Polishing, It Can Also Be Used For Electronic Circuit Modification Of Circuit Boards (pcbs) 笔记

AR-600(E)双功能强力型I双功能电源型

AR-600 (E) dual function powerful type I dual function power supply type



全新的设计，采用高效率微处理器使用操作性能更稳定且提升抛光效率
 超音波及DC马达双输出，提供您双重功能之各种研磨及抛光作业
 最大45W之超音波输出，使抛光效率之更加提升
 有刷DC马达输出电压为5-30伏特，输出功率为60W

New Design With High-efficiency Microprocessor For More Stable Operation And Improved Polishing Efficiency
 Dual Outputs Of Ultrasound And Dc Motor Provide You With Dual Functions For Various Grinding And Polishing Operations
 Maximum 45w Ultrasonic Output, Further Improving Polishing Efficiency
 The Output Voltage Of The Brushless Dc Motor Is 5-30 Volts, And The Output Power Is 60w

运用各种模具之研磨及抛光需要 精准控制转速的加工雕刻硬脆材料、或其他需要高转速的加工，石头、玻璃、宝石等之精细研磨或抛光。
 The use of various molds for grinding and polishing requires precise control of rotational speed for carving hard and brittle materials, or other processes that require high rotational speed, such as fine grinding or polishing of stones, glass, gemstones, etc

- 气动刻磨机/pneumatic Engraving Mill
- 气动锉磨机/pneumatic File Mill
- 气动散打机/pneumatic Sanda Machine
- 气动平面研磨机/pneumatic Flat Grinding Machine
- 气动超声波研磨机/pneumatic Ultrasonic Grinding Machine



- 中空卡盘
- 中实卡盘
- 立式卡盘
- 气动卡盘
- 生爪硬爪
- 车床刀套
- 刀座
- 精密夹头
- 手动卡盘
- 顶针
- 铣床虎钳配件
- 磨床磁盘
- 工具万力
- 线割配件
- 机床工具

车床卡盘

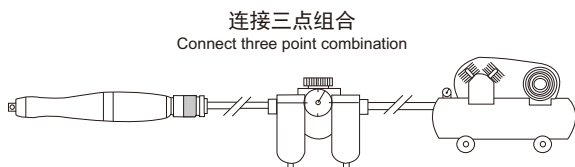
铣床虎钳

磨床磁盘

线割配件

机械工具

抛光研磨



连接三点组合
Connect three point combination
润滑, 滤水, 控制压力
Lubrication, water filtration, pressure control



使用需润滑
Lubrication required for use



请配戴耳罩
Please wear earmuffs




请配戴护目镜
Please wear goggles


气动刻磨机 Pneumatic engraving mill

耐用型 Durable				编号 number
	包装 packing	木盒 Wooden box	KI 600	
	转速 speed	65000rpm		
	夹头 Collet	3.0mm固定式夹头 3.0mm fixed clamp 2.38mm为选购 2.38mm is optional		
	重量 weight	130g		
	全长 Full length	156mm		


低耗风量高扭力品质佳 适用于精密研磨及修整作业。
Low air consumption, high torque, and excellent quality are suitable for precision grinding and finishing operations.

静音型 Mute type				编号 number
	包装 packing	木盒 Wooden box	KI 5168	
	转速 speed	65000rpm		
	夹头 Collet	可互换式夹头功能 Interchangeable collet function 3.0mm或2.38mm 3.0mm or 2.38mm		
	重量 weight	76g		
	全长 Full length	140mm		


机身轻巧精密度高适用于精密研磨及修整作业。
The body is lightweight and has excellent precision, suitable for precision grinding and finishing operations.

高精型 High precision type				编号 number
	包装 packing	木盒 Wooden box	KI 260	
	转速 speed	60000rpm		
	夹头 Collet	可互换式夹头功能 Interchangeable collet function 3.0mm或2.38mm 3.0mm or 2.38mm		
	重量 weight	180g		
	全长 Full length	142mm		

精密度高适用于精密研磨及修整作业。
Excellent precision for precision grinding and finishing operations.

高精型 High precision type				编号 number
	包装 packing	木盒 Wooden box	KI 380	
	转速 speed	80000rpm		
	夹头 Collet	可互换式夹头功能 Interchangeable collet function 3.0mm或2.38mm 3.0mm or 2.38mm		
	重量 weight	160g		
	全长 Full length	142mm		

高转速适用于精密研磨及雕刻作业。
High speed is suitable for precision grinding and carving operations.

工业级高扭力型 Industrial grade high torque type				编号 number
	包装 packing	木盒 Wooden box	KI 300	
	转速 speed	35000rpm		
	夹头 Collet	3.0mm或6.0mm		
	重量 weight	170g		
	全长 Full length			

重负荷、高扭力泛用型适于清除 毛边倒角、钨钢刀铣磨及焊接面磨除等。
The heavy-duty, high torque universal type is suitable for removing burrs, chamfers, tungsten steel milling, and welding surface grinding.

精密型 Precision type				编号 number
	包装 packing	木盒 Wooden box	KI 3BSN	
	转速 speed	65000rpm		
	夹头 Collet	3.0mm固定式夹头 3.0mm fixed clamp		
	重量 weight	76g		
	全长 Full length	230mm		

机身轻便、同心度极佳适用于精密研磨及修整作业。
The body is lightweight and has excellent concentricity, suitable for precision grinding and finishing operations.

中空卡盘

中实卡盘

立式卡盘

气动卡盘

生爪硬爪

车床刀套

刀座

精密夹头

手动卡盘

顶针

铣床虎钳配件

磨床磁盘

工具万力

线割配件

机床工具

车床卡盘

铣床虎钳


磨床磁盘

线割配件


机械工具

抛光研磨


气动刻磨机 Pneumatic engraving mill

高扭力型 High torque type			编号 number
	包装 packing	塑胶盒 plastic box	KI 180
	转速 speed	65000rpm	
	夹头 Collet	3.0mm或2.34mm	
	重量 weight	130g	
	全长 Full length	180mm	

相力大经济实用适用于精密研磨及修整作业。
Large relative force, economical and practical, suitable for precision grinding and finishing operations.

90°平面研磨机 90° flat grinding machine			编号 number
	包装 packing	木盒 Wooden box	KIW093N
	转速 speed	32500rpm	
	夹头 Collet	M7螺杆菌可锁接碗形砂轮或砂布片 M7 screw lockable bowl grinding wheel or abrasive cloth	
	重量 weight	170g	
	全长 Full length	140mm	


适用于平面研磨倒角及焊接面之修整。
Suitable for surface grinding, chamfering, and welding surface repair.

45°平面研磨机 45° flat grinding machine			编号 number
	包装 packing	木盒 Wooden box	KIW123N
	转速 speed	23500rpm	
	夹头 Collet	M7螺杆菌可锁接碗形砂轮或砂布片 M7 screw lockable bowl grinding wheel or abrasive cloth	
	重量 weight	180g	
	全长 Full length	153mm	


适用于平面研磨倒角及焊接面之修整。
Suitable for surface grinding, chamfering, and welding surface repair.

45°弯头刻磨机 45° elbow grinder			编号 number
	包装 packing	木盒 Wooden box	KIW121N
	转速 speed	52500rpm	
	夹头 Collet	3.0mm固定式夹头 3.0mm fixed clamp	
	重量 weight	140g	
	全长 Full length	153mm	

适用于修刀磨沟槽、骨位之研磨作业。
Suitable for grinding grooves and bone positions with knives.

90°平面研磨机 90° flat grinding machine			编号 number
	包装	木盒 Wooden box	KID093N
	转速	根据搭配的主机转速为准 Based on the matching engine speed	
	夹头	M7螺杆菌可锁接碗形砂轮或砂布片 M7 screw lockable bowl grinding wheel or abrasive cloth	
	重量	170g 170g	
	全长/搭配	158mm/电动吊磨机 158mm/electric hanging mill	

机械传动式强劲扭力适用于平面研磨倒角及焊接面之修整。
Mechanical transmission type strong torque is suitable for surface grinding, chamfering, and welding surface repair.


平面研磨机 Flat grinding machine			编号 number
	包装 packing	精美纸盒 Exquisite paper box	KIP2C
	转速 speed	18000rpm	
	夹头 Collet	M6螺杆菌可锁接平面托底 M6 screw can be locked flat surface support	
	重量 weight	650g	
	全长 Full length	163mm	

适用于大平面研磨抛光作业。
Suitable for large flat surface grinding and polishing operations.


中空卡盘
中实卡盘
立式卡盘
气动卡盘
生爪硬爪
车床刀套
刀座
精密夹头
手动卡盘
顶针
铣床虎钳配件
磨床磁盘
工具万力
线割配件
机床工具
车床卡盘
铣床虎钳
磨床磁盘
线割配件
机械工具

抛光研磨


气动研磨机 (气动超声波研磨机) Pneumatic grinding machine (pneumatic ultrasonic grinding machine)

涡轮式气动超声波 Turbine type pneumatic ultrasonic				编号 number
	包装 packing	木盒 Wooden box		KIS 03
	转速 speed	30000rpm	30000rpm	
	夹头 Collet	3.0mm	3.0mm	
	重量 weight	220g	220g	
	全长 Full length	200mm	200mm	


低噪音、低振动、寿命长适用于模具细微部份之加工。
Low noise, low vibration, and long service life are suitable for processing small parts of molds.

涡轮式气动超声波 Turbine type pneumatic ultrasonic				编号 number
	包装 packing	木盒 Wooden box		KI506
	转速 speed	30000rpm	30000rpm	
	夹头 Collet	0.6mm	0.6mm	
	重量 weight	200g	220g	
	全长 Full length	220mm	220mm	


高扭力、重负荷、无需加油且于高效率及较大面积之研磨。
High torque, heavy load, no need for oil, suitable for high efficiency and large area grinding.

涡轮式气动超声波 Turbine type pneumatic ultrasonic				编号 number
	包装 packing	木盒 Wooden box		KIS 07
	转速 speed	28000rpm	28000rpm	
	夹头 Collet	0.7mm	0.7mm	
	重量 weight	200g	220g	
	全长 Full length	220mm	220mm	

高扭力、重负荷、寿命长适于高效率及较大面积之研磨。
High torque, heavy load, no need for oil, suitable for high efficiency and large area grinding.

左右横摆气动锉磨机 Left and right lateral pneumatic file grinder				编号 number
	包装 packing	木盒 Wooden box		KIS 098
	转速 speed	11000rpm	11000rpm	
	夹头 Collet	1.0mm	1.0mm	
	重量 weight	235g	235g	
	全长 Full length	230mm	230mm	

适用模具浅沟、骨位、深肋及公母模接合面等之研磨。
Suitable for grinding shallow grooves, bone positions, deep ribs, and mating surfaces of male and female molds.

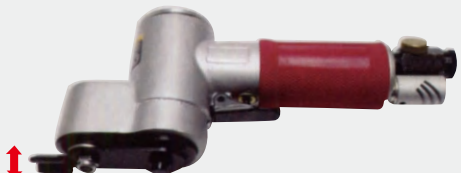
涡轮式气动超声波 Turbine type pneumatic ultrasonic				编号 number
	包装 packing	塑料盒 Plastic box		TU 06
	转速 speed	30000rpm	30000rpm	
	夹头 Collet	0.6mm	0.6mm	
	重量 weight	200g	200g	
	全长 Full length	220mm	220mm	

轻巧机身广泛轻巧机身广泛用于模具高效率研磨作业。
Lightweight body is widely used for efficient grinding operations of molds.


风叶式气动超声波 Wind blade aerodynamic ultrasonic				编号 number
	包装 packing	塑料盒 Plastic box		AR 06
	转速 speed	25000rpm	25000rpm	
	夹头 Collet	0.6mm	0.6mm	
	重量 weight	269g	269g	
	全长 Full length	220mm	220mm	

低噪音、低振动、性能稳定适用于模具细微部份之研磨。
Low noise, low vibration, and long service life are suitable for processing small parts of molds.


气动继磨机 (气动超声波研磨机) Pneumatic grinding machine (pneumatic ultrasonic grinding machine)

气动横摆研磨机 Pneumatic lateral grinding machine			编号 number
	包装 packing	精美纸盒 Exquisite paper box	KIA 30A
	转速 speed	18000rpm 18000rpm	
	夹头 Collet	3.0mm 3.0mm	
	重量 weight	850g 850g	
	全长 Full length	200mm 200mm	

适用于大平面之快速研磨或修边处理。
Suitable for rapid grinding or trimming of large surfaces.

气动锉刀机 Pneumatic filing machine			编号 number
	包装 packing	精美纸盒 Exquisite paper box	AF05
	转速 speed	16000rpm 16000rpm	
	夹头 Collet	5.0mm 5.0mm	
	重量 weight	540g 540g	
	全长 Full length	160mm 160mm	

适用于各种铸件或零件之清除毛边及倒角
Suitable for removing burrs and chamfers from various castings or parts

气动锉刀机 Pneumatic filing machine			编号 number
	包装 packing	精美纸盒 Exquisite paper box	AF 10
	转速 speed	15000rpm 15000rpm	
	夹头 Collet	10.0mm 10.0mm	
	重量 weight	1000g 1000g	
	全长 Full length	230mm 230mm	

适用于各种铸件或零件之清除毛边及倒角
Suitable for removing burrs and chamfers from various castings or parts

吊磨超声波 Ultrasonic grinding			编号 number
	包装 packing	塑胶盒 plastic box	KID 398
	转速 speed	根据搭配的主机转速为准 Based on the matching engine speed	
	夹头 Collet	0.6mm	
	重量 weight	255g	
	全长/搭配 Full length/matching	200mm/电动吊磨机 200mm/electric hanging mill	

适用于修刀磨沟槽、骨位之研磨作业。
Suitable for grinding grooves and bone positions with knives.

吊磨超声波 Ultrasonic grinding			编号 number
	包装 packing	塑胶盒 plastic box	KID 308
	转速 speed	根据搭配的主机转速为准 Based on the matching engine speed	
	夹头 Collet	1.0mm	
	重量 weight	226g	
	全长/搭配 Full length/matching	190mm/电动吊磨机 200mm/electric hanging mill	

电能转机械超声波扭力大重负荷泛用于模具及各零件研磨工作。
Electric energy conversion machinery is widely used for grinding molds and various parts with high torque and heavy load.

电动工具 Electric tools			编号 number
	包装 packing	精美纸盒 Exquisite paper box	KID 3000
	转速 speed	8000-33000 r/min	
	夹头 Collet	3.0mm或2.34mm	
	重量 weight	550g	
	全长 Full length	200mm	

高转速、高精密性能稳定、寿命长适用于各种研磨抛光工作。
High speed, high precision, stable performance, and long service life are suitable for various grinding and polishing work.

中空
卡盘

中实
卡盘

立式
卡盘

气动
卡盘

生爪
硬爪

车床
刀套

刀座

精密
夹头

手动
卡盘

顶针

铣床
虎钳
配件

磨床
磁盘

工具
万力

线割
配件

机床
工具

车床
卡盘

铣床
虎钳

磨床
磁盘

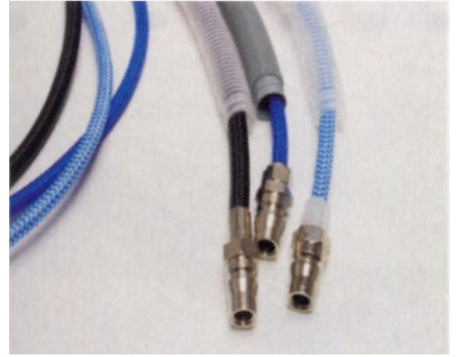
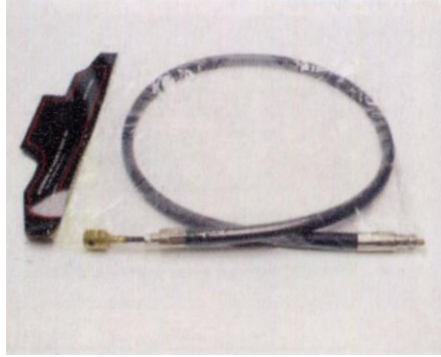
线割
配件

机械
工具

抛光
研磨

工具配件 Tool accessories

- 中空卡盘
- 中实卡盘
- 立式卡盘
- 气动卡盘
- 生爪硬爪
- 车床刀套
- 刀座
- 精密夹头
- 手动卡盘
- 顶针
- 铣床虎钳配件
- 磨床磁盘
- 工具万力
- 线割配件
- 机床工具
- 车床卡盘
- 铣床虎钳
- 磨床磁盘
- 线割配件
- 机械工具
- 抛光研磨



附属工具 Auxiliary tools



中空
卡盘

中实
卡盘

立式
卡盘

气动
卡盘

生爪
硬爪

车床
刀套

刀座

精密
夹头

手动
卡盘

顶针

铣床
虎钳
配件

磨床
磁盘

工具
万力

线割
配件

机床
工具

车床
卡盘

铣床
虎钳

磨床
磁盘

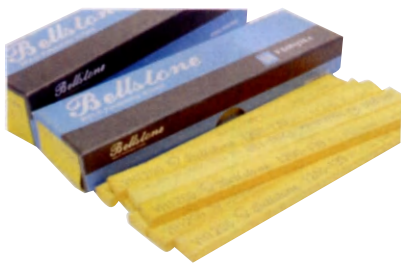
线割
配件

机械
工具

抛光
研磨

中空卡盘	红鹰砂纸 Red Eagle Sandpaper	粒度 granularity	编号 number	
中实卡盘		120#	HSZ 2328	
立式卡盘		150#		
气动卡盘		180#		
生爪硬爪		220#		
车床刀套		240#		
刀座		320#		
精密夹头		400#		
手动卡盘		600#		
顶针		800#		
铣床虎钳配件		1000#		
磨床磁盘	1200#	LSZ 2328		
工具万力	1500#			
线割配件	2000#			
机床工具	2500#			
车床卡盘	3000#			
铣床虎钳	5000#			
磨床磁盘				
线割配件				
机床工具				
车床卡盘	西德砂布卷 West German sandcloth roll		粒度 granularity	编号 number
铣床虎钳		60#	XD 2025	
磨床磁盘		80#		
线割配件		100#		
机床工具		120#		
车床卡盘		150#		
铣床虎钳		180#		
磨床磁盘		240#		
线割配件		320#		
机床工具		400#		
车床卡盘		600#		
铣床虎钳	野牛砂布卷 Buffalo sandcloth roll	粒度 granularity	编号 number	
磨床磁盘		150#	NCA 2025	
线割配件		180#		
机床工具		240#		
车床卡盘		320#		
铣床虎钳		400#		
磨床磁盘		600#		
线割配件		800#		
机床工具		1000#		
车床卡盘				
铣床虎钳		勇士砂纸 Warrior sandpaper		粒度 granularity
磨床磁盘		40#	USP 30	
线割配件		60#		
机床工具		80#		
车床卡盘		100#		
铣床虎钳		120#		
磨床磁盘		150#		
线割配件		180#		
机床工具		240#		
车床卡盘		320#		
铣床虎钳		400#		
磨床磁盘	600#			

金钟油石 Golden Bell Oil Stone



规则 rule	粒度 granularity	120#	150#	320#	400#	600#	800#	1000#	1200#	1500#	2000#	3000#
		180#	240#									
1.5x6x100	2x6x100	10.75	11.90	11.90	12.76	12.76	13.91	15.25	16.69	18.42	20.44	
	3x6x100											
1.5x13x100	3x13x100	11.90	12.76	12.76	13.91	13.91	15.25	16.69	18.42	20.44	21.87	
	3x6x150	13.91	14.97	14.97	16.02	16.02	17.17	19.00	20.72	22.93	25.14	
3x3x150		11.80	12.76	12.76	13.62	13.62	14.49	15.93	17.46	19.19	21.11	
6x6x150		16.20	17.17	17.17	18.42	18.42	19.76	21.87	23.79	26.38	28.88	
3x13x150		19.48	20.44	20.44	21.39	21.39	23.31	25.62	28.40	30.99	34.35	
5x13x150		19.48	20.44	20.44	21.39	21.39	23.31	25.62	28.40	30.99	34.35	
10x10x150		24.77	26.10	26.10	27.29	27.29	30.15	33.12	36.47	40.04	43.84	
13x13x150		32.28	35.87	35.87	40.98	40.98	44.80	49.68	54.77	60.41	66.26	
25x25x150		55.41	62.80	62.80	87.58	87.58	96.16	105.70	116.53	128.44	141.20	

必宝油石 Bibao Oil Stone



规则 rule	粒度 granularity	AS-9(红色)		AS-9(红色)	AO-9(白色)	AO-9(白色)	AO-9(白色)			
		150#	180#	220#	320#	400#	600#	150#	220#	320#
1/16x1/4		16.80	18.80	26.00	16.10	18.20	21.80			
1/16x1/2		17.30	19.30	23.10	17.20	19.40	21.80			
1/8x1/8		17.30	19.30	26.00	17.20	19.40	21.80			
1/8x1/4		16.30	17.40	21.20	16.20	17.40	20.20			
1/8x1/2		18.20	19.30	23.90	18.10	19.40	23.50			
1/4x1/4		16.30	17.50	21.20	16.80	17.50	20.20			
1/4x1/2		21.40	22.70	29.40	20.70	22.60	27.30			
1/4ROUND		31.50	41.80	49.00	31.50	41.80	47.70			
3/8ROUND		38.40	43.70	50.20	38.40	43.70	48.40			

中空卡盘

中实卡盘

立式卡盘

气动卡盘

生爪硬爪

车床刀套

刀座

精密夹头

手动卡盘

顶针

铣床虎钳配件

磨床磁盘

工具万力

线割配件

机床工具

车床卡盘

铣床虎钳

磨床磁盘

线割配件

机械工具

机械工具

中空
卡盘

中实
卡盘

立式
卡盘

气动
卡盘

生爪
硬爪

车床
刀套

刀座

精密
夹头

手动
卡盘

顶针

铣床
虎钳
配件

磨床
磁盘

工具
万力

线割
配件

机床
工具

车床
卡盘

铣床
虎钳

磨床
磁盘

线割
配件

机械
工具

一、安全转速磨头使用的最高 工作线速度不得超过25米/秒。

二、安全防护操作人员在使用磨 头时必须戴上防护眼镜，可预防铁屑飞入眼内及砂轮万一爆裂撞伤眼睛。

三、装夹说明

1、装卸磨头必须用专用工具装卸，严禁敲打。

2、锁定电(气)磨机的转子，用专用的工具卸掉用完的磨头，装入新磨头后，先用手指头拧紧夹头螺母，后用手握住磨头头部旋转磨头180°，再利用专用工具锁紧夹头螺母，启动电(气)磨机检查磨头的跳动状况(标准为磨头在高速运转过程中没有晃动的影子)，发现晃动重复以上装夹程序，直到无晃动为止，如无法效正晃动，应检查夹头是否磨损或损坏，应及时更换夹头。

3、磨头铁柄应装入夹头三分之二，严禁外露太长，造成磨头高速运转过程中产生离心，发生磨头飞出及爆裂伤人的工伤事故。

四、使用说明

1、在磨削过程中，不得用磨头撞击被加工，应让磨头轻附工件表面自由磨削，特别是使用小磨头及尖细的磨头时，用两只手拿稳电(气)磨机轻附表面自由磨削，严禁用力过猛，造成磨头断裂及断柄现在发生。

2、在使用前，陶瓷磨头、海绵磨头、橡胶磨头应在金刚石锉刀上修整一下，使用效果更好。

3、在使用过程中，发现陶瓷磨头、海绵磨头、橡胶磨头表面铁屑堵住气孔，用金刚石锉刀修整后方可继续使用，发现金刚石电镀磨头表面铁屑堵住气孔时，应在废旧砂轮上把铁屑修整后方可使用。

4、单一规格批量使用或特殊要求的产品，欢迎根据实际使用情况定做更好。

1. the Maximum Working Line Speed Used By The Safe Speed Grinding Head Shall Not Exceed 25 Meters/second.

2. safety Protection Operators Must Wear Protective Glasses When Using Grinding Heads, Which Can Prevent Iron Filings From Flying Into Their Eyes And The Grinding Wheel From Exploding And Injuring Their Eyes.

3. clamping Instructions

1. The Loading And Unloading Of The Grinding Head Must Be Carried Out With Special Tools, And Knocking Is Strictly Prohibited.

2. Lock The Rotor Of The Electric (pneumatic) Grinder, Use A Special Tool To Remove The Used Grinding Head, Install A New Grinding Head, First Tighten The Clamp Nut With Your Fingers, And Thenhold The Grinding Head With Your Hand And Rotate It 180°. Then, Use A Special Tool To Lock The Clamp Nut And Start The Electric (pneumatic) Grinder To Check The Runout Of The Grinding Head (markedif There Is No Shaking Shadow During High-speed Operation Of The Grinding Head, Repeat The Above Clamping Procedure Until There Is No Shaking. If It Cannot Be Correctedshake, Check If The Chuck Is Worn Or Damaged, And Replace The Chuck In A Timely Manner.

3. The Iron Handle Of The Grinding Head Should Be Installed Into Two-thirds Of The Chuck, And It Is Strictly Prohibited To Expose It For Too Long, Which May Cause Centrifugation During High-speed Operation Of The Grinding Head, Causing It To Fly Out And Burstinjurious Work-related Accidents.

4、Instructions For Use

1. During The Grinding Process, The Grinding Head Should Not Be Used To Impact The Workpiece Being Processed. The Grinding Head Should Be Allowed To Lightly Adhere To The Surface Of The Workpiece For Free Grinding, Especially When Using Small Grinding Heads And Sharp Grindingwhen Grinding, Use Both Hands To Hold The Electric (pneumatic) Grinder And Gently Attach It To The Surface For Free Grinding. It Is Strictly Prohibited To Use Excessive Force, Which May Cause The Grinding Head Tobreak And The Handle To Break Now.

2. Before Use, Ceramic Grinding Heads, Sponge Grinding Heads, And Rubber Grinding Heads Should Betrimmed On Top And Bottom Of Diamondfiles To Achieve Better Results.

3. During Use, It Was Found That Iron Filings On The Surface Of Ceramicgrinding Heads, Sponge Grinding Heads, And Rubber Grinding Heads Blocked The Air Holes. They Can Only Be Used After Being Trimmed With A Diamond File,when It Is Found That The Surface Of The Diamond Electroplating Grinding Head Is Blocked By Iron Filings, The Iron Filings Should Be Trimmed On The Waste Grinding Wheel Before Use.

4. Products With Single Specifications For Batch Use Or Special Requirements Are Welcome To Be Customized According To Actual Usage.

磨料类别 Abrasive category	磨料名称 Abrasive Name	磨料代号 Abrasive code	特征 characteristic	用途 use to
刚玉类 Corundum class	棕刚玉 Brown corundum	(A)	棕刚玉外观为棕褐色主要化学成份是AL ₂ O ₃ ,其含量在94.5%-97%具有硬度高、韧性大,颗粒锋锐价格比较低廉的特点适合于磨加工抗张强度高的金属在缺少其他磨料的情况下一般可由它来代替。 The appearance of brown corundum is brownish and the main chemical component is AL ₂ O ₃ and its content 94.5% -97% with high hardness, toughness, and sharp particle price. The relatively inexpensive feature is suitable for grinding metals with high tensile strength. In the absence of other abrasives, it can generally be used as a substitute.	广泛用于普通钢材的粗磨,如铸钢、一般合金钢、可锻铸铁、硬青铜等。棕刚玉的二级品旁料常用作磨来砂轮。树脂切割砂轮、砂瓦、砂布砂纸。 Widely used for grinding common steel materials, such as carbon steel and alloy MingkeSet up cast iron, hard bronze, etc. The secondary material of brown corundum is commonly used for grinding. Come on, grinding wheel. Resin cutting grinding wheel, sand tile, sandcloth sandpaper.
	白刚玉 White corundum	(WA)	白刚玉硬度略高于棕刚玉但物性稍差磨削时易切入工作自锐性较好发热量较小磨削能力强效率高价格高于棕刚玉。 White corundum has slightly higher sharpness than brown corundum, but its physical properties are slightly worse. It is easy to cut in during grinding. Good self sharpening performance, small heat generation, strong grinding ability, high efficiency, and high price. Higher than brown corundum.	适合于磨硬度较高的钢材,如高速钢、高碳钢、淬火钢、合金钢等。 Suitable for grinding high hardness steel such as high-speed steel and high carbon steel. Quenching Fire steel, alloy steel, etc.
	单晶刚玉 Single crystal corundum	(SA)	单晶刚玉磨料的颗粒是由单一晶体组成并具有良好的多棱切削刃较高的硬度和韧性、磨削能力强磨削发热量少缺点是生产成本高生产中有废气废水产生、产量较低。 The particles of single crystal corundum abrasive are composed of a single substance and have good properties. The multi edged cutting edge has high hardness and toughness, and strong grinding ability. Low heat output and high production costs result in the production of waste gas and wastewater. Low yield.	可用于磨削较硬且物性好的难磨金属材料如不锈钢、高钒高速钢、耐热合金钢及易变形,易烧伤的工件考虑到单晶刚玉磨料受生产条件的限制般只推荐用于耐热合金和难熔金属材料的磨削。 Can be used for grinding hard and difficult to grind metal materials with good physical properties, such as stainless steel, high vanadium high-speed steel, heat-resistant alloy steel, and easily deformed and burned. The workpiece is filtered to single crystal corundum abrasive, which is generally limited by production conditions. Recommended for grinding heat-resistant alloys and refractory metal materials.
	微晶刚玉 Microcrystalline corundum	(MA)	属于棕刚玉的派生品种外观色泽和化学成份均于棕刚玉相似特点是晶体尺寸小(50-280um)磨粒韧性好硬度大且自锐性好。 Derived varieties of brown corundum have similar appearance, color, and chemical composition to brown corundum. The similar characteristic of corundum is its small crystal size (50-280um) and abrasive toughness. Good and weak, and self explanatory.	适合磨不锈钢、碳素钢、球墨铸铁等磨削方式上适于成型磨、切入磨、精磨和重负荷磨削。 Suitable for grinding stainless steel, carbon steel, ball milled cast iron and other grinding methods. For forming grinding, cutting grinding, precision grinding, and heavy load grinding.
	铬刚玉 Chrome corundum	(PA)	为白刚玉的派生品种外观呈玫瑰色硬度与白刚玉相近韧性略高于白刚玉且强度高磨削性能好磨削精度高。用这种磨料制成的磨具其形状保持性好。 Derived from white corundum, it has a rose colored appearance and a hardness similar to that of white corundum. Near toughness slightly higher than white corundum and high strength, good grinding performance, and grinding accuracy. High. Grinding tools made with this abrasive have good shape retention.	应用范围与白刚玉相似尤其适于各种刀具、量具、仪表零件的精磨和成型磨。通常铬刚玉较白刚玉具有更好的磨削性能。 The application diagram is similar to that of white corundum, especially suitable for various cutting tools, measuring tools. The precision and forming grinding of instrument parts are usually engraved with corundum rather than white corundum. Has better grinding performance.
	锆刚玉 Zircon corundum	(ZA)	锆刚玉为a-AL ₂ O ₃ 和AL ₂ O ₃ -ZrO ₂ 的共晶化合物其特点是硬度略低但韧性大、强度高通常星体尺寸较细耐磨性翻好。 Zircon corundum is a co mineralized platform material of a-AL ₂ O ₃ and AL ₂ O ₃ -ZrO ₂ , and its characteristics. It has a slightly lower hardness but a higher toughness value and strength, usually with star shaped dimensions. Refined wear resistance improved.	国外铁刚玉磨料主要用于重负荷磨削适合于磨耐热合金钢。钛合金和奥氏体不锈钢等。 Abroad, corundum abrasives are mainly used for heavy-duty grinding and are suitable for grinding heat resistance Alloy steel, Titanium alloy and austenitic stainless steel, etc.
	烧结刚玉 Sintered corundum		用矾土或铝氧粉的细料烧结而成特点是韧性好可制成各种特殊形状和尺寸的磨粒。 Sintered from fine materials such as bauxite or aluminum oxide powder, it is characterized by good toughness and can be produced. Grinding particles with special shapes and sizes for each god.	主要用于重负荷磨钢锭砂轮适用于荒磨不锈钢锭等。 Mainly used for heavy load grinding of steel ingots, suitable for rough grinding of stainless steel ingots etc.
碳化硅类 Silicon carbide	黑刚玉 Black corundum	(BA)	属于棕刚玉的派生品种外观呈黑色。特点是AL ₂ O ₃ 含量较低并有一定量的FeO,(10%左右)存在因而硬度较低但韧性较好。 The derivative variety of brown corundum has a black appearance. Featuring AL ₂ O ₃ including Low quantity and a certain amount of FeO (around 10%), resulting in hardness Low but resilient.	多用于自由研磨如制品电镀前的打磨和粗磨也用于制作涂附磨具树脂切割片、抛光块等。 It is commonly used for free grinding, such as polishing and rough grinding before electroplating of products. Produce resin cutting and polishing blocks for coated abrasives.
	绿碳化硅 Green silicon carbide	(GC)	绿碳化硅具有较高的硬度和一定的韧性特点是磨削效率和精度高。 Green silicon carbide has high hardness and certain toughness, which is characterized by grinding High efficiency and accuracy.	广泛应用于磨加工光学玻璃石头、硬质合金、钛合金以及轴承钢的研磨抛光高速钢刀具的刃磨等。 Widely used for grinding optical glass stones, hard alloys, titanium alloys. Grinding and polishing of gold and bearing steel, and blade grinding of high-speed steel knives.
	黑碳化硅 Black silicon carbide	(C)	黑碳化硅具有较高的硬度自锐性好不品烧伤工件表面多用于切割和研磨抗张强度低低材料。 Black silicon carbide has high hardness, self sharpening, and excellent quality. Burned workpieces. Faces are mostly used for cutting and grinding materials with low tensile strength.	广泛用于有色金属材料(铜、铝)非铸铁工件、玻璃、陶瓷、石材和耐火制品等。 Widely used in non-ferrous metal materials (copper, aluminum), non cast iron workpieces, glass Ceramics, stone and refractory products, etc.














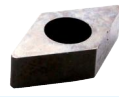






























中空
卡盘中实
卡盘立式
卡盘气动
卡盘生爪
硬爪车床
刀套





























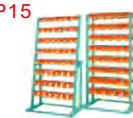






刀座

精密
夹头手动
卡盘

顶针

铣床
虎钳
配件磨床
磁盘工具
万力线割
配件机床
工具车床
卡盘铣床
虎钳磨床
磁盘线割
配件机械
工具

	梅花螺丝 P03  数控刀具 梅花螺丝 数控刀具零配件	双头牙螺丝 P03  数控车刀 双头牙螺丝 数控刀具零配件	中心销 P03  数控车刀 中心销 数控刀具零配件	M型车刀压板 P04  数控车刀 M型车刀压板 数控刀具零配件	W型车刀压板 P04  数控车刀 W型车刀压板 数控刀具零配件	W型压板螺丝 P04  数控车刀 W型车刀压板螺丝 数控刀具零配件	D型车刀压板 P04  数控车刀 D型车刀压板 数控刀具零配件	D型压板螺丝 P04  数控车刀 D型车刀压板螺丝 数控刀具零配件
	E型车刀压板 P04  数控车刀 E型车刀压板 数控刀具零配件	E型压板螺丝 P04  数控车刀 E型车刀压板螺丝 数控刀具零配件	P型车刀杠杆 P04  数控车刀 杠杆 数控刀具零配件	P型车刀螺丝 P04  数控车刀 杠杆 数控刀具零配件	P型车刀弹簧片 P04  数控车刀 杠杆 数控刀具零配件	车刀刀垫 MC.. P04  数控车刀 刀垫 数控刀具零配件	车刀刀垫 MC.. P04  数控车刀 刀垫 数控刀具零配件	车刀刀垫 MC.. P04  数控车刀 刀垫 数控刀具零配件
	车刀刀垫 MC.. P04  数控车刀 刀垫 数控刀具零配件	车刀刀垫 MC.. P04  数控车刀 刀垫 数控刀具零配件	车刀刀垫 MC.. P04  数控车刀 刀垫 数控刀具零配件	STM..R.. P04  数控车刀 螺纹车刀刀垫 数控刀具零配件	STM..L.. P04  数控车刀 螺纹车刀刀垫 数控刀具零配件			
车刀配件	旗形梅花扳手 P05  数控刀具 梅花扳手 数控刀具零配件	T型梅花扳手 P05  数控刀具 梅花扳手 数控刀具零配件	手柄梅花扳手 P05  数控刀具 梅花扳手 数控刀具零配件	内六角扳手 P05  数控刀具 内六角扳手 数控刀具零配件	T型内六角扳手 P05  数控刀具 内六角扳手 数控刀具零配件	手柄内六角扳手 P05  数控刀具 内六角扳手 数控刀具零配件		
铣刀配件	球头铣刀螺丝 P05  数控铣刀 球头铣刀螺丝 数控刀具零配件	铣刀刀垫 P05  数控铣刀 铣刀刀垫 数控刀具零配件	EMR P05  数控铣刀 铣刀压板 数控刀具零配件	AJX P05  数控铣刀 铣刀压板 数控刀具零配件	SKS P05  数控铣刀 铣刀压板 数控刀具零配件	ASR P05  数控铣刀 铣刀压板 数控刀具零配件	JC P05  数控铣刀 铣刀压板 数控刀具零配件	TP P05  数控铣刀 铣刀压板 数控刀具零配件
刀柄配件	龙门铣刀盘配件 P05  数控铣刀 铣刀压板 数控刀具零配件	FMB刀盘固定块 P05  数控铣刀 FMB刀盘固定块 数控刀具零配件	SLN侧固螺丝 P05  数控铣刀 SLN侧固刀柄螺丝 数控刀具零配件	镗刀微调螺杆 P05  数控镗刀 微调螺杆 数控刀具零配件	刀片座螺丝 P05  数控镗刀 刀片座固定螺丝 数控刀具零配件	镗刀侧固螺丝 P05  数控镗刀 镗刀侧固螺丝 数控刀具零配件		
拉钉	C/OZ扳手 P06  数控刀柄 勾型扳手 数控刀具零配件	ER-A P06  数控刀柄 ER-A型刀柄扳手 数控刀具零配件	ER-M P06  数控刀柄 ER-M型刀柄扳手 数控刀具零配件	ER-UM P06  数控刀柄 ER-UM型刀柄扳手 数控刀具零配件	GER/GSK P06  数控刀柄 GSK型刀柄扳手 数控刀具零配件	TSK P06  数控刀柄 TSK型刀柄扳手 数控刀具零配件		
筒夹	ER-A P06  数控刀柄 ER-A型刀柄螺帽 数控刀具零配件	ER-M P06  数控刀柄 ER-M型刀柄螺帽 数控刀具零配件	ER-UM P06  数控刀柄 ER-UM型刀柄螺帽 数控刀具零配件	GER/GSK P06  数控刀柄 GSK型刀柄螺帽 数控刀具零配件	TSK P06  数控刀柄 TSK型刀柄螺帽 数控刀具零配件			
主轴清洁检测棒								
锁刀座								
Z轴设定器								
刀具整理								
组合工具								

BT刀柄拉钉 P07-P08  数控刀具 刀柄拉钉 数控刀具零配件	MAZAK拉钉 P07-P08  数控刀具 刀柄拉钉 数控刀具零配件	JIS刀柄拉钉 P07-P08  数控刀具 刀柄拉钉 数控刀具零配件	DIN69872拉钉 P07-P08  数控刀具 刀柄拉钉 数控刀具零配件					
液压刀柄夹头 P09  数控刀具 液压刀柄夹头 数控刀具零配件	强力刀柄夹头 P09  数控刀具 强力型刀柄夹头 数控刀具零配件	后拉式筒夹 P09  数控刀具 后拉式刀柄夹头 数控刀具零配件	ER筒夹 P10  数控刀具 ER刀柄筒夹 数控刀具零配件	SK筒夹 P10  数控刀具 SK刀柄筒夹 数控刀具零配件	OZ筒夹 P10  数控刀具 OZ刀柄筒夹 数控刀具零配件	止水筒夹 P10  数控刀具 止水筒夹 数控刀具零配件	攻牙刀柄夹头 P11  数控刀具 丝攻攻牙刀柄夹头 数控刀具零配件	
ERT丝攻夹头 P11-P12  数控刀具 丝攻攻牙刀柄夹头 数控刀具零配件	主轴清洁棒 P13  数控刀具 主轴清洁棒 数控刀具零配件	主轴测试棒 P13  数控刀具 主轴测试棒 数控刀具零配件						
BT/CAT P13  数控刀具 刀柄锁刀座 数控刀具零配件	XBT P13  数控刀具 刀柄锁刀座 数控刀具零配件	ISO P13  数控刀具 刀柄锁刀座 数控刀具零配件	HSK P13  数控刀具 刀柄锁刀座 数控刀具零配件	NBT P13  数控刀具 刀柄锁刀座 数控刀具零配件				
附表Z轴设定器 P13  数控刀具 Z轴设定器-附表式 数控刀具零配件	光电Z轴设定器 P13  数控刀具 Z轴设定器-光电式 数控刀具零配件	3D设定器 P13  数控刀具 3D方向寻边器 数控刀具零配件						
FM10-4 P14  数控刀具 机械式寻边器 数控刀具零配件	FM10-4-Tin P14  数控刀具 镀钛机械式寻边器 数控刀具零配件	SH1020 P14  数控刀具 陶瓷寻边器 数控刀具零配件	偏心式寻边器 P14  数控刀具 偏心式寻边器 数控刀具零配件	光电式寻边器 P14  数控刀具 光电式寻边器 数控刀具零配件				
刀具整理架 P15  数控刀具 刀具整理架 数控刀具零配件	刀具套 P15  数控刀具 刀具套 数控刀具零配件	刀具车 P15  数控刀具 刀具车 数控刀具零配件	工具车 P16  数控刀具 活动工具车 数控刀具零配件	万能夹具组 P16  数控刀具 万能夹具组 数控刀具零配件				
BT精密检具 P16  数控刀具 三点组合检测工具 数控刀具零配件	HSK精密检具 P16  数控刀具 三点组合检测工具 数控刀具零配件							

车刀配件

铣刀配件

刀柄配件

拉钉

筒夹

主轴清洁检测棒

锁刀座

Z轴设定寻边器

刀具整理

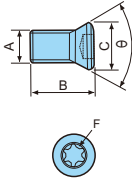
组合工具

配件

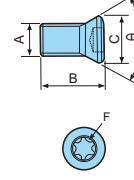
刀具梅花螺丝 Cutting Tool Screw



尺寸标示 Size(mm)	订购编码 Order	规格型号 Type	A	B	C	F	扭力 Torque (N.m)
	801800	M1.6x3.2xD2.5	M1.6x0.35	3.2	2.5	T6	0.5
	801803	M1.8x4xD2.5	M1.8x0.35	4	2.5	T6	0.5
	801804	M1.8x4xD2.7	M1.8x0.35	4	2.7	T6	0.5
	801805	M2.0x4xD2.85	M2.0x0.4	4	2.85	T6	0.5
	801806A	M2.0x5xD2.8	M2.0x0.4	5	2.8	T6	0.5
	801806C	M2.0x5xD3.0	M2.0x0.4	5	3.0	T6	0.5
	801806D	M2.0x5.5xD3.8	M2.0x0.4	5.5	3.8	T6	0.5
	801806E	M2.2x8xD2.85	M2.2x0.4	6	2.85	T6	0.3
	801807A	M2.2x5xD3.0xP0.45xT6	M2.2x0.45	5	3.0	T6	0.5
	801807B	M2.2x5xD3.6xP0.45xT6	M2.2x0.45	5	3.6	T8	0.8
	801807C	M2.2x5xD2.85xP0.4xT7	M2.2x0.4	5	2.85	T7	0.8
	801807D	M2.2x5xD2.85xP0.4xT7	M2.2x0.4	5	3.1	T7	0.8
	801807E	M2.2x5xD2.85xP0.4xT7	M2.2x0.4	5	2.85	T7	0.8
	801808A	M2.2x6xD2.85xP0.4xT7	M2.2x0.4	6	2.85	T7	0.8
	801808B	M2.2x6xD2.85xP0.4xT7	M2.2x0.4	6	2.85	T7	0.8
	801808C	M2.2x6xD3.0xP0.45xT6	M2.2x0.45	6	3.0	T6	0.5
	801808D	M2.2x8xD2.85	M2.2x0.45	8	2.85	T7	0.8
	801810	M2.3x5xD3.0	M2.3x0.4	5	3.0	T6	0.8
	801811A	M2.5x4.5xD3.6	M2.5x0.45	4.5	3.6	T8	1.2
	801811B	M2.5x4.5xD3.6	M2.5x0.45	4.5	3.6	T8	1.2
	801811C	M2.5x4.5xD3.3	M2.5x0.45	4.5	3.3	T8	1.2
	801812A	M2.5x5xD3.6	M2.5x0.45	5	3.6	T8	1.2
	801812B	M2.5x5xD3.3	M2.5x0.45	5	3.3	T8	1.2
	801814A	M2.5x5.5xD3.6	M2.5x0.45	5.5	3.6	T8	1.2
	801814B	M2.5x5.5xD3.3	M2.5x0.45	5.5	3.3	T8	1.2
	801818A	M2.5x8xD3.6	M2.5x0.45	6	3.6	T8	1.2
	801816	M2.5x6xD3.3	M2.5x0.45	6	3.3	T8	1.2
	801818B	M2.5h0.3x6xD4.0xP0.45	M2.5x0.45	6	4.0	T8	1.2
	801818C	M2.5x6xD3.6-R28	M2.5x0.45	6	3.6	T8	1.2
	801820A	M2.5x6.5xD3.6	M2.5x0.45	6.5	3.6	T8	1.2
	801820B	M2.5x6.5xD3.3	M2.5x0.45	6.5	3.3	T7	0.8
	801821	M2.5x7.3xD3.5	M2.5x0.45	7.3	3.5	T8	1.2
	801822	M2.5h0.6x8xD3.6xP0.45	M2.5x0.45	8	3.6	T8	1.2
	801824	M2.5x10xD3.6	M2.5x0.45	10	3.6	T8	1.2
	801825	M2.6x6xD3.6	M2.6x0.45	6	3.6	T8	1.2
	801826	M3.0h0.5x6xD4.0xT8	M3.0x0.5	6	4.0	T8	1.2
	801828A	M3.0h0.5x7xD4.0xT8	M3.0x0.5	7	4.0	T8	1.2
	801828B	M3x7xD4.0xT8(SH)	M3.0x0.5	7	4.0	T8	1.2
	801830A	M3.0x7xD4.2xT9	M3.0x0.5	7	4.2	T9	1.2
	801830B	M3.0x7xD4.2xT10	M3.0x0.5	7	4.2	T10	2.0
	801830C	M3.0x7xD4.6xT10	M3.0x0.5	7	4.2	T10	2.0
	801831	M3.0x7.5xD4.6xH2	M3.0x0.5	7.5	4.6	L2	-
	801832A	M3.0x8xD4.0	M3.0x0.5	8	4.0	T8	1.2
	801832B	M3.0x8xD4.2	M3.0x0.5	8	4.2	T10	2.0
	801832C	M3.0x8xD4.3	M3.0x0.5	8	4.3	T9	1.2
	801834	M3.0x9xD5.1	M3.0x0.5	9	5.1	T10	1.2
	801836	M3.0x9.5	M3.0x0.5	9.5	4.2	T10	1.2
	801838	M3.0x10	M3.0x0.5	10	4.2	T10	1.2



尺寸标示 Size(mm)	订购编码 Order	规格型号 Type	A	B	C	F	扭力 Torque (N.m)
	801841	M3.5x6.5xD5.3	M3.5x0.6	6.5	5.3	T15	3.5
	801844A	M3.5x9.0xD5.3	M3.5x0.6	9.0	5.3	T15	3.5
	801844B	SM3.5h2.8x8.5xD5.3xT15	M3.5x0.6	8.5	5.3	T15	3.5
	801845A	M3.5h1.2x9xD5.3	M3.5x0.6	9	5.3	T15	3.5
	801845B	M3.5h1.2x9xD5.5xP0.6	M3.5x0.6	9	5.5	T15	3.5
	801845C	M3.5h1.0x9xD5.7xP0.6	M3.5x0.6	9	5.7	T15	3.5
	801846	M3.5x10xD5.0	M3.5x0.6	10	5.0	T15	3.5
	801848A	SM3.5h1.2x10xD5.3xT15	M3.5x0.6	10	5.3	T15	3.5
	801848B	M3.5x10xD5.5	M3.5x0.6	10	5.5	T15	3.5
	801850A	SM3.5h1.2x12xD5.3xT15	M3.5x0.6	12	5.3	T15	3.5
	801850B	M3.5h0.3x12xD5.5xP0.6	M3.5x0.6	12	5.5	T15	3.5
	801852	M3.5x15xD5.3	M3.5x0.6	15	5.3	T15	3.5
	801854A	M4.0x8xD5.7	M4.0x0.7	8	5.7	T15	3.5
	801854B	CTM4.0x8xD5.7	M4.0x0.7	8	5.7	T15	3.5
	801858	M4.0x9xD5.0	M4.0x0.7	9	5.0	T15	3.5
	801856	M4.0x9xD5.7	M4.0x0.7	9	5.7	T15	3.5
	801862A	M4.0x10xD5.5	M4.0x0.7	10	5.5	T15	3.5
	801862B	M4.0x10xD5.9	M4.0x0.7	10	5.9	T15	3.5
	801864A	M4.0x11xD5.0	M4.0x0.7	11	5.0	T15	3.5
	801866	M4.0x12xD5.7	M4.0x0.7	12	5.7	T15	3.5
	801864B	M4.0x12xP0.5x6.5	M4.0x0.5	12	6.5	T15	3.5
	801865	M4.0x13xD5.7	M4.0x0.7	13	5.7	T15	3.5
	801868	M4.0x14xD5.7	M4.0x0.7	14	5.7	T15	3.5
	801869	M4.0x15xD7.0	M4.0x0.7	15	7.0	T15	3.5
	801870	M4.0x16xD5.7	M4.0x0.7	16	5.7	T15	3.5
	801872	M4.0x16xD7.0	M4.0x0.7	16	7.0	T15	3.5
	801871	M4.0x27.7xD5.8	M4.0x0.7	27.7	5.8	T15	3.5
	801873	M4.5x9.8xD6.8	M4.5x0.75	9.8	6.8	T20	4.5
	801874A	M4.5h0.7x11xD6.3xP0.75	M4.5x0.75	11	6.3	T20	4.5
	801874B	M4.5x11xD7.0	M4.5x0.75	11	7.0	T20	4.5
	801875	M4.5x11.6xD6.8	M4.5x0.75	11.6	6.8	T20	4.5
	801876	M4.5x12.6xD6.8	M4.5x0.75	12.6	6.8	T20	4.5
	801878	M4.5x16xD6.8	M4.5x0.75	16	6.8	T20	4.5
	801881	M5.0x10xD7.2	M5.0x0.8	10	7.2	T20	4.5
	801882A	M5.0h0.3x11xD6.4xP0.8	M5.0x0.8	11	6.4	T20	4.5
	801882B	M5.0x11xD6.6	M5.0x0.8	11	6.6	T20	4.5
	801882C	M5h1.0x11xD7.0	M5.0x0.8	11	7.0	T20	4.5
	801882D	M5.0x11xD7.2	M5.0x0.8	11	7.2	T20	4.5
	801882E	M5.0x11xD7.2F	M5.0x0.8	11	7.2	T20	4.5
	801882F	M5.0x11xD8.2	M5.0x0.8	11	8.2	T20	4.5
	801884A	M5.0x12xD7.2	M5.0x0.8	12	7.2	T20	4.5
	801884B	BCFM5.0x12xD7.2	M5.0x0.8	12	7.2	T20	4.5
	801884C	M5.0x12xD8	M5.0x0.8	12	8.0	T20	4.5
	801885A	M5.0x13xD7.3	M5.0x0.8	13	7.3	T20	4.5
	801885B	M5.0x13xD7.2	M5.0x0.8	13	7.2	T20	4.5
	801885C	M5.0x14xD6.6-0314	M5.0x0.8	14	6.6	T20	4.5
	801885D	M5.0x14xD7.2	M5.0x0.8	14	7.2	T20	4.5
	801885E	M5.0x14xD7.3xT15	M5.0x0.8	14	7.3	T15	3.5
	801886A	M5.0h0.5x16xD7.0xP0.8	M5.0x0.8	16	7.0	T20	4.5
	801886B	M5.0x16xD7.5xT20	M5.0x0.8	16	7.5	T20	4.5
	801886C	M5.0x16.5xD7.3	M5.0x0.8	16.5	7.3	T20	4.5
	801887A	M5.0x18xD8.2	M5.0x0.8	18	8.2	T20	4.5
	801887B	M5.0x19xD7.3	M5.0x0.8	19	7.3	T20	4.5
	801888A	M6.0x18xD8.5	M6.0x1.0	18	8.5	T30	8.0
	801888B	M6.0x28.6xD8.5	M6.0x1.0	28.6	8.5	T30	8.0



注: 1. 红色规格为热销规格, 常卖规格; 也有进口螺丝规格。
2. 螺丝颜色为白色、黑色、青铜色, 随机发货, 如需指定颜色, 请告知客服!

Note: 1.Red specifications for hot, often sell specifications; also imported Screw standing specifications.
2.Screw colors are white, black and bronze, which is shipped at random,if you need to specify the color, please inform the customer service!

双头牙螺丝 Double threaded connecting screw



中心销螺丝 Center Pin screw



图示 Object	规格 Type	其余代码 Other Brand	螺纹 Thread	总长 Length	扳手 Wrench
	MS518	-	M5	18	L2.5
	MS519	-	M5	19	L2.5
	MS520	MCS520-2.5	M5	20	L2.5
	MS620	MCS620-3	M6	20	L3
	MS622	-	M6	22	L3
	MS625	MCS625-3	M6	25	L3
	MS630	MCS630-3	M6	30	L3
	MS830	MCS828-4	M8	30	L4
	M6011	MCS3S-11	M6	11	L3
	WC0525E	W Type Turning Tools	M5	25	L3
	BM6026		M6	26	L4
	CS80	E Type Turning Tools	M6	25	L4
	M5026		M5	26	L3
	DCS5	D Type Turning Tools	M5	25	L3
	M503509	MDS5035	M5	9	M3.5
	M604011	MDS6040	M6	11	M4
	M106022	MDS1060	M10	22	M6

图示 Object	规格 Type	其余代码 Other Brand	螺纹 Thread	总长 Length	扳手 Wrench
	CTM510		M5	10	L2.5
	CTM511	MLP33L	M5	11	L2.5
	CTM513	MLP34L	M5	13	L2.5
	CTM613	MLP44	M6	13	L2.5
	CTM617		M6	17	L2.5
	CTM617-3	MLP46	M6	17	L3
	CTM619	MLP46L	M6	19	L2.5
	CTM822P1.0	MLP58P1.0	M8	22	L3
	CTM822P1.25	MLP58P1.25	M8	22	L3
	CTM1022P1.0	MLP68P1.0	M10	22	L4
	CTM1022P1.5	MLP68P1.25	M10	22	L4
	CTM515-T	SCP314	M5	15	L2.5
	CTM618-W	SCP418	M6	18	L2.5
	503715	170.3-870MCP3	-	15	-
	704019		-	19	-

W 型车刀压板配件

W Type Turning tool Clamp



图示 Object	规格 Type	螺丝 Screw		
 WW08 WT16	WW08	M5		
	WT16	M5		
	WC0525E	M5		

D 型车刀压板配件

D Type Turning tool Clamp

图示 Object	规格 Type	螺丝 Screw		
	DC12	M6		
	DD15	M6		
	DS12	M6		
	DT16	M6		
	DV16	M5/M6		
	DW08	M6		
	M5026	M5		
	M6025	M6		

P 型车刀配件

P Type Turning tool

图示 Object	规格 Type	螺丝 Screw		
 杠杆 Lever	LV3			
	LV4			
	LV5			
	LV6			
	LV4B			
 杠杆螺丝 Lever Screw	VHX0617			
	VHX0821			
	VHX0825			
	VHX1027			
 弹簧片 Spring	SP3			
	SP4			
	SP5			
	SP6			
	SP10			

E 型车刀压板配件

E Type Turning tool Clamp

图示 Object	规格 Type	螺丝 Screw		
	EC12	M6		
	ED15	M6		
	ES12	M6		
	ET16	M6		
	EV16	M6		
	EW08	M6		
	CS80	M6		

车刀刀垫

Turning tools Shim

图示 Object	尺寸标示 Dimensions	规格 Type	A	T	rC
		MC0903	9.525	3.18	R1.2
		1203	12.7	3.18	R1.6
		1204	12.7	4.76	R1.6
		1604	15.875	4.76	R2.4
		1904	19.05	4.76	R2.4
		2504	25.4	4.76	R3.2
		MD1103	9.525	3.18	R1.2
		1504	12.7	4.76	R1.6
		1506	12.7	6.35	R1.6
		1906	15.9	6.35	R2.4
		MS0903	9.525	3.18	R1.2
		1204	12.7	4.76	R1.6
		1504	15.875	4.76	R2.0
		1904	19.05	4.76	R2.4
		2504	25.4	4.76	R3.2
		MT1603	9.525	3.18	R1.2
		16-S	9.525	3.18	R1.2
		2204	12.7	4.76	R2.4
		2704	15.875	4.76	R3.2
		3304	19.05	4.76	R3.6
		MV1603	9.525	3.18	R1.2
		NV1603	9.525	3.18	R1.2
		2204	12.7	4.76	R2.0
		MW0603	9.525	3.18	R1.2
		0804	12.7	4.76	R1.6
		WW0804	12.7	4.76	R1.6
 STM..R STM..L		STM16R	9.525	3.18	
		16L	9.525	3.18	
		22R	12.7	4.76	
		22L	12.7	4.76	

M 型车刀压板配件

M Type Turning tool Clamp

图示 Object	规格 Type	螺丝 Screw	总长 Length	高度 Height
	HL1511	M5	15	11
	HL1808	M5	18	8
	HL1810	M6	18	10
	HL1812	M6	18	12
	HL1814	M6	18	14
	HL2114	M6	21	14
	HL2414	M6	24	14
	HL1917	M8	19	19
	HL2217	M8	22	17
	HL2317	M8	23	17

车刀配件

铣刀配件

刀柄配件

拉钉

筒夹

主轴
清洁
检测
棒

锁刀
座

Z轴
设定
寻边
器

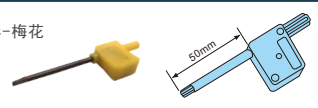
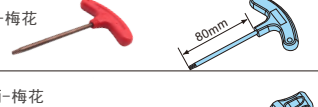
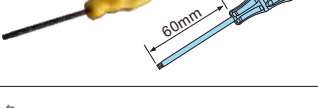
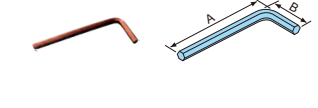

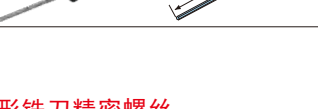
刀具
整理

组合
工具

配件


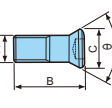


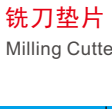
刀具梅花螺丝扳手/内六角扳手

Tool screw Plum blossom wrench / hexagon wrench

图示 Object	规格 Type	订购编码 Order	尺寸 Size
	T5	801901	
	T6	801900	
	T7	801902	
	T8	801904	
	T9	801906	
	T10	801908	
	T15	801910	
	T20	801912	
	T25	801913	
	T18	802100	
	TT10	802102	
	TT15	802104	
	TT20	802106	
	TT25	802108	
	TT30	802110	
	IT5	802200	
	IT6	802202	
	IT7	802204	
	IT8	802206	
	IT9	802207	
	IT10	802208	
	IT15	802210	
	IT20	802212	
	IT25	802214	
	IT30	802216	
	IT40	802217	
	PL1.25	802290	L1 25×40×13
	PL1.5	802292	L1 5×45×15
	PL2	802300	L2 0×50×17
	PL2.5	802302	L2 5×59×20
	PL3	802304	L3 0×60×20
	PL3.5	802305	L3 5×60×22
	PL4	802306	L4 0×74×29
	PL5	802308	L5 0×85×33
	PL6	802310	L6 0×96×38
	PL8	802312	
	PL10	802314	
	PL12	802316	
	TL2	802400	
	TL2.5	802402	
	TL3	802404	
	TL4	802406	
	TL5	802408	
	TL6	802410	
	TL8	802412	
	IL2	802250	
	IL2.5	802252	
	IL3	802254	
	IL4	802256	
		IL5	802258
IL6		802260	
IL7		802262	
IL8		802264	
IL9		802266	
IL10		802268	
IL11		802270	
IL12		802272	
IL13		802274	
IL14		802276	


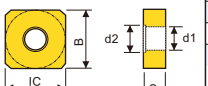
球形铣刀精密螺丝

Spherical Precision Milling Cutter Screw

图示 Size(mm)	订购编码 Order	规格 Type	A	B	C	F	适用刀片 Insert	
	T2139-R4	M3.0×0.5	7				R4	
	T2139-R5	M4.0×0.5	9				R5	
	T2139-R6	M5.0×0.5	9				R6	
	T2139-R8	M5.0×0.5	13				R8	
	T2139-R10	M5.0×0.5	16				R10	
	T2139-R12.5	M6.0×1.0	21				R12.5	
	T2139-R15	M8.0×1.0	25				R15	
	T2139-R16	M8.0×1.0	25				R16	
		BNM-R5	M3.0×0.35	8				BNM-100
		BNM-R6	M3.5×0.6	9				BNM-120
		BNM-R8	M4.0×0.7	13				BNM-160
		BNM-R10	M5.0×0.8	16				BNM-200
		BNM-R12.5	M6.0×1.0	20				BNM-250
	BNM-R15	M8.0×1.25	25				BNM-300	
		ZCC-R6	M4.0×0.7	10				R6
		ZCC-R8	M5.0×0.8	11				R8
ZCC-R10		M5.0×0.8	16				R10	
	ABPF-R3	M2.0×0.4	5				ABPF-R3	
	ABPF-R4	M3.0×0.5	6				ABPF-R4	
	ABPF-R5	M3.5×0.6	8				ABPF-R5	
	ABPF-R6	M5.0×0.8	9				ABPF-R6	
	ABPF-R8	M5.0×0.8	13				ABPF-R8	
	ABPF-R10	M6.0×1.0	17				ABPF-R10	
	ABPF-R12.5	M6.0×1.0	22				ABPF-R12.5	
	ABPF-R15	M8.0×1.25	25				ABPF-R15	
ABPF-R16	M8.0×1.25	25				ABPF-R16		
	MITSUBISHI-R5	M3.0×0.5	8				R5	
	MITSUBISHI-R6	M3.5×0.6	10				R6	
	MITSUBISHI-R8	M4.0×0.7	13				R8	
	MITSUBISHI-R10	M5.0×0.8	16				R10	
	MITSUBISHI-R12.5	M6.0×1.0	22				R12.5	
MITSUBISHI-R15	M8.0×1.25	25				R15		

铣刀垫片

Milling Cutter Alloy Shim

图示 Object	尺寸标示 Dimensions	规格 Type	IC	S	B	d1	d2	适用刀片 Used
		SC10503	10.5	3.0	10.5	5.4	7	SE...13T3
		SB9403	9.4	3.18	9.4	5.4	7	SE...1204
		SC1003	10	3.18	10	5.4	7	SD12
		SX10503	10.5	3	10.5	5.4	7	R290-12T3

铣刀压板配件

Milling Clamp Accessory

图示 Object	规格 Type	订购编码 Order	尺寸 Size	
	YB4R	802500	刀片压紧	
	YB5R	802502	刀片压紧	
	YB6R	802504	刀片压紧	
	YB8R	802506	刀片压紧	
	AJX09	802511	JDMW09T320	
	AJX121304	802512	JDMW120420	
	AJX141605M	802508	JDMW140520	
	DCM-17	802507A	SKS 18X10X5.0	
	DCM-18	802507B	SKS 13X8X3.2	
	SC1408	802513A	ASR 14X8X4.0	
	SC1609	802513B	ASR 16X9X5.0	
	TST-181005	802515	CSY20 17.5X9.3X4.5	
	JC-CGBR	802530	CGBR	
	JC-CPS-5V	802532	CPS-5V	
	JC-CPS-6V	802534	CPS-6V	
	M3/16X32GX13L	802516	TP1103	
	M1/4X28GX17L	802518	TP1603	
	M5/16X24GX23L	802520	TP2204	
	5251压块	J5525FP	802550	Flat cutter parts
	5252垫片	Screw	802552	Flat cutter parts
	5253四角垫片		802554	Flat cutter parts
	5254双头螺丝	Screw	802556	Flat cutter parts

FMA/FMB 平面铣刀刀柄固定块

FMA/FMB Milling Cutter Toolholder Fixed Block

图示 Object	规格型号 Type	订购编码 Order Number	K2XHXLXR	L1XK1	配套螺丝 Screw
	FMB16	802900	8X7X13XR4	5X3.8	M3X8
	FMB22-4	802902	10X10X15.8XR5	6X4.8	M4X10
	FMB22-5	802904	10X10X15.8XR5	6X4.8	M5X10
	FMB27	802906	12X11X18.8XR6	7X5.8	M5X12
	FMB32	802908	14X13X21.8XR7	8X6.8	M6X14
	FMB40	802910	16X15X25.3XR8	9X8.3	M6X16
	FMA22.225	802920	7.94X7X12.5XR3.97	5X3.5	M1/8X8
	FMA25.4	802922	9.52X9X15.3XR4.76	6X4.52	M5/32X10
	FMA31.75	802924	12.7X12X20XR6.35	7X6.7	M3/16X12
	FMA38.1	802926	15.88X15X25.8XR7.94	9X8.87	M1/4X14
FMA50.8	802928	19.05X18X29.3XR9.52	10X9.75	M5/16X18	
FMA47.625	802930	25.4X18X38.2XR12.7	13X12.5	M5/16X18	




SLN 侧固式铣刀刀柄固定螺丝

SLN Fixing screw of side fixed milling cutter shank

图示 Object	规格型号 Type	订购编码 Order Number	长度×螺距 Thread × Wrench	钻孔位置 Hole Spacing
	SLN06	802950	M6X6P1.0XL3	18X0
	SLN08	802952	M8X8P1.25XL4	18X0
	SLN10	802954	M10X10P1.5XL4	20X0
	SLN12	802956	M12X12P1.75XL6	22.5X0
	SLN16	802958	M14X14P2.0XL6	24X0
	SLN20	802960	M16X16P2.0XL8	25X0
	SLN25	802962	M18X18P2.0XL10	24X25
	SLN32	802964	M20X20P2.0XL10	24X28
	SLN40	802966	M20X20P2.0XL10	30X32
	SLN42	802968	M20X20P2.0XL10	30X32

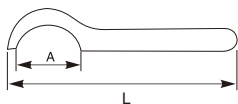
镗刀零配件

Boring tool parts

图示 Object	螺丝 Screw	尺寸 Size	对应镗刀 Corresponding
	精镗 Fine boring head B1-2 Screw	M3×8×5×L2	CK1 微调镗杆
	微调镗杆 Regulation of Screw cutter	PTM6×60×P1.0×L3	- 微调镗杆
	微调镗杆 Regulation of Screw cutter	M6×17×P0.5×L3-CK4	CK4 微调镗杆
	精镗 NBH2084 Fine boring side Screw	M12×16×P1.75	NBH2084 微调镗杆
	129BT-M3×7×P0.5×H2		CK1(BIG)
	129BT-M3×8×P0.5×H2		CK2(BIG)
	129BT-M4×11×P0.7×H2.5		CK3(BIG)
	129BT-M5×13.7×P0.8×H3		CK4(BIG)
	129BT-M5×14.2×P0.8×H4		CK5(BIG)
	129BT-M8×21.4×P1.25×H5		CK6(BIG)
	M4×5×P0.5×A30		CK1(BIG)
	M5×7×P0.5×A30		CK2(BIG)
	M6×8×P0.75×A30		CK3(BIG)
	M8×11×P0.75×A30		CK4(BIG)
	M10×14×P1.0×A30		CK5(BIG)
	M12×18×P1.0×A30		CK6(BIG)
M16×20×P1.5×A30		MD83(KORLOY)	
M16×26×P1.5×A30		MD80(KORLOY)	
M16×31×P1.5×A30		MD90F(KORLOY)	

C/OZ 型刀柄扳手

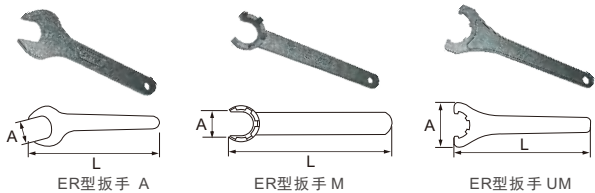
C/OZ Toolholder Wrench



型号 Cat.No	A	L	重量 Weight(KG)	单价 PRICE(RMB)
BS-C20	55-55	245	0.17	120
BS-C25	56-61	270	0.2	120
BS-C32	68-73	290	0.3	120
BS-C42	88-96	340	0.42	120
BS-OZ25	55-60	250	0.24	80

ER 型刀柄扳手

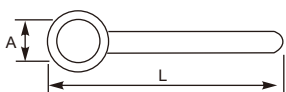
ER Toolholder Wrench



型号 Cat.No	A	L	重量 Weight(KG)	单价 PRICE(RMB)
BS-ER11A	17.2	120	0.10	100
BS-ER16A	25.2	140	0.15	100
BS-ER20A	30.3	160	0.19	100
BS-ER8M	12	75	0.05	100
BS-ER11M	16	95	0.04	100
BS-ER16M	22	117	0.06	100
BS-ER20M	28	129	0.07	100
BS-ER25M	35	142	0.09	100
BS-ER25UM	42	210	0.15	110
BS-ER32UM	50	250	0.28	120
BS-ER40UM	64	290	0.42	130

GER/GSK 型刀柄扳手

GER/GSK Toolholder Wrench

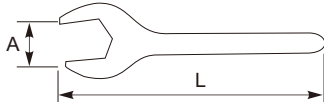


GER型扳手 GC型扳手 GSK型扳手

型号 Cat.No	A	L	重量 Weight(KG)	单价 PRICE(RMB)
BS-GER16	30	150	0.24	300
BS-GER16MINI	25	150	0.24	300
BS-GER20	35	160	0.30	300
BS-GER20MINI	30	160	0.30	300
BS-GER25	40	180	0.35	300
BS-GER25MINI	35	180	0.35	300
BS-GER32	50	180	0.70	400
BS-GSK06	19.5	110	0.11	500
BS-GSK10	27.1	150	0.29	300
BS-GSK16	40	170	0.39	300
BS-GSK25	55	210	0.38	500

SK 型刀柄扳手

SK Toolholder Wrench

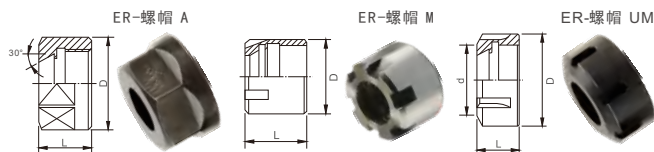


SK型扳手

型号 Cat.No	A	L	重量 Weight(KG)	单价 PRICE(RMB)
BS-TSK06	18.2	175	0.11	200
BS-TSK10	25.2	175	0.12	152
BS-TSK16	40	220	0.15	228
BS-TSK25	55	230	0.17	304

ER 型刀柄螺帽

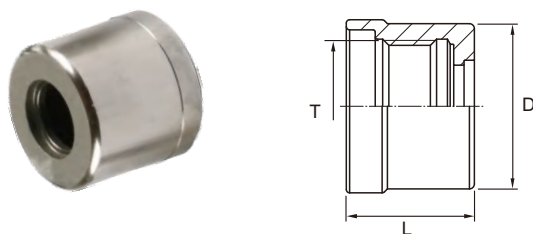
ER Toolholder Nut



型号 Cat.No	D	L	适配扳手 Matching Wrench	单价 PRICE(RMB)
LM-ER11A	19	11.5	BS-ER11A	100
LM-ER16A	28	17.5	BS-ER16A	100
LM-ER20A	34	19.0	BS-ER20A	100
LM-ER8M	12	10.8	BS-ER8M	100
LM-ER11M	16	12.0	BS-ER11M	100
LM-ER16M	22	18.0	BS-ER16M	100
LM-ER20M	28	19.0	BS-ER20M	100
LM-ER25M	35	20.0	BS-ER25M	100
LM-ER25UM	42	20.0	BS-ER25UM	100
LM-ER32UM	50	22.5	BS-ER32UM	110
LM-ER40UM	64	25.5	BS-ER40UM	120
LM-ER50UM	78	35.3	BS-ER50UM	150

GSK 型刀柄螺帽

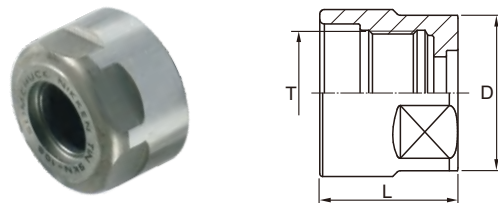
GSK Toolholder Nut



型号 Cat.No	D	L	适配扳手 Matching Wrench	单价 PRICE(RMB)
LM-GER16	30	21	BS-GER16	120
LM-GER16MINI	25	21	BS-GER16MINI	120
LM-GER20	35	21.8	BS-GER20	130
LM-GER20MINI	30	21.8	BS-GER20MINI	130
LM-GER25	40	23	BS-GER25	140
LM-GER25MINI	35	23	BS-GER25MINI	140
LM-GER32	50	35	BS-GER32	180
LM-GSK06	19.5	21.3	BS-GSK06	260
LM-GSK10	27.1	24.2	BS-GSK10	300
LM-GSK16	40	31	BS-GSK16	350
LM-GSK25	55	37.5	BS-GSK25	420

SK 型刀柄螺帽

SK Toolholder Nut



型号 Cat.No	D	L	适配扳手 Matching Wrench	单价 PRICE(RMB)
LM-TSK06	19.5	15	BS-TSK06	200
LM-TSK10	27.5	17	BS-TSK10	152
LM-TSK16	40	24.3	BS-TSK16	228
LM-TSK25	55	37	BS-TSK25	304

车刀
配件

铣刀
配件

刀柄
配件

拉钉

筒夹

主轴
清洁
检测
棒

锁刀
座

Z轴
设定
寻边
器

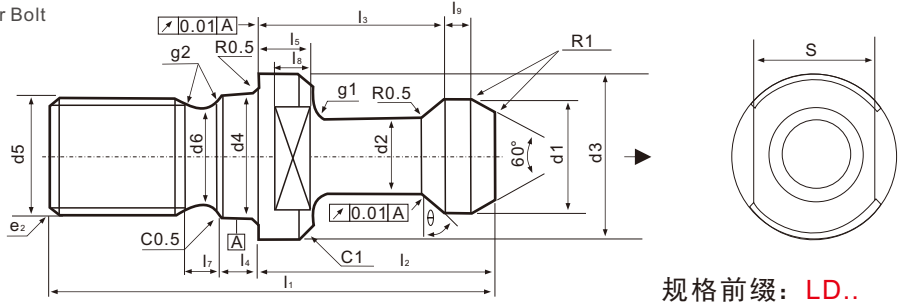
刀具
整理

组合
工具

配件

数控铣床刀柄拉杆/拉头

NC Milling Machine Toolholder Pull Rod / Puller Bolt



规格前缀: LD..

订购编码 Order	拉钉型号 Type	D	d3	d1	d2	L	e	G	Q	用途 Application	备注 Note	单价 Price	
809600	PS-1	15	23	17	10	60	35	M16	45	BT40-1标准型	MAS P40T-1	40	
809602	PS-2								60	BT40-2标准型	MAS P40T-2	40	
809604	PS-3	19	31	21	14	7	40	M20	45	BT45-1标准型	MAS P45T-1	50	
809606	PS-4								60	BT45-2标准型	MAS P45T-2	50	
809608	PS-5	23	38	25	17	85	45	M24	45	BT50-1标准型	MAS P50T-1	80	
809610	PS-6								60	BT50-2标准型	MAS P50T-2	80	
809612	PS-16	11	16.5	12.5	7	43	23	M12	45	BT30-1标准型	MAS P30T-1	40	
809614	PS-17								60	BT30-2标准型	MAS P30T-2	40	
809616	PS-18	13	20	8.5	48	28	M24	45	60	BT35-1标准型	MAS P35T-2	50	
809618	PS-19									60	BT35-2标准型	MAS P35T-2	50
809620	PS-5F	23	38	28	17	85	45	M24	45	BT50-1	PS-5 端面研磨	90	
809622	PS-6F									60	BT50-2	PS-6 端面研磨	90
809624	PS-50									45	BT50		90
809626	PS-53									26.187	85.2	45.2	1-8UNC
809628	PS-63	19	23	26	14	60	35	M16	45	BT40		40	
809630	PS-70									16.281	10	57.15	32.15
809632	PS-72	15	38	25	17	85	45	M24	90	BT50-90型		90	
809634	PS-0	23	38	25	17	85	45	M16	90	BT40-90型		50	
809636	PS-08-1	15	23	17	10	60	35	M24	90	BT50三井精机		90	
809638	PS-P	24	36	25	18	71	31	M16	90	BT40三井精机		50	
809640	PS-P5-1	11	16	12.5	7	40	20	M12	90	BT30三井精机		40	
809642	PS-P10	13.7	20	13	8.9	53	28	M24	60	BT35松浦机械		50	
809644	PS-U2	23	38	25	17	85	45	M16	90	BT50马扎克		90	
809646	PS-G4	15	23	17	10	54.6	29.6	M24	90	BT40马扎克		50	
809648	PS-G5	28.956	37	25	20.828	65.2	25.2	M16	45	BT50马扎克端面研磨	PS-G41无孔	100	
809650	PS-G45	18.796	22	17	12.446	44.1	19.106	M24	45	BT40马扎克端面研磨	PS-G51无孔	80	
809652	PS-G58	18.796	21.8	16.281	12.446	41.256	16.256	M16	90	CAT40U大隈		60	
809654	PS-G60	23	38	-	17	85	45.2	5/8-11UNC	90	CAT50U		90	
809656	PS-O19	23	38	25	17	85	45	M24	90	IT50 森精机		90	
809658	PS-O47									18	71	31	1-8UNC
809660	PS-P13	15	23	16.281	10	57.2	32.2	M16	45	CAT40U 日立精机		60	
809662	PS-H30	22	38	25	16	112	72	M24	60	BT50 大隈		90	
809664	PS-B1	28	38	17	21	74	34	M16	75	BT50 端面研磨	JIS-B6339-89	90	
809666	PS-809	19	23	14	54	29	23.4	M12	90	BT40 端面研磨	JIS-B6339-89	60	
809668	PS-805	12	16.5	12.5	8	43	23.4	M24	45	BT30 端面研磨	JIS-B6339-89	50	
809670	PS-801	14	20	13	45	23	90	M12	45	BT35 北村机械		60	
809672	PS-J	14	16	12.5	10	40	22	M24	75	CAT30S 牧野精机		50	
809674	PS-M10	10	18	13	7	43	25	M16	45	BT35 碌碌产业		80	
809676	PS-R3	21	39	25	15	105.1	63.1	M24	90	BT50 日立精工		90	
809678	PS-C	15	23	17	11	60	35	M12	60	BT40 津上		40	
809680	PS-301	16	16.5	12.5	12.5	31.8	11.8	M16	45	BT30		40	
809682	PS-Q3	7	10	6.5	4	28	17	M12	45	BT15 兄弟工业		90	
809684	PS-BR*1	12	16.5	12.5	8	44	24	M6	R4	BT30 CKD用		50	
809686	PS-81	28	36	25	21	74	34	M12	75	IT50	DIN69872-B-1988	90	
809688	PS-581	19	23	17	14	54	26	M24	45	IT40	DIN69872-A-1988	70	
809690	PS-302	13	17	13	9	44	24	M16	90	IT30	DIN69872-A-1988	60	
809692	PS-122	18.95	22.5	17	12.95	44.25	19.25	M12	45	BT40新日本工机		50	
809694	PS-S27							M6					

※中心通油型机床在使用无中心孔拉钉时, 请使用端面研磨拉钉。
 ※PS-814停产统一用PS-805
 ※PS-P5停产统一用PS-P5-1
 ※PS-08停产统一用PS-08-1
 ※拉钉一体及PS-BR拉钉使用BT15细杆刀柄P37
 ※需要附ID的拉钉时, 请在型号后加ID表示例: PS-6-IDB

※The center passes the oil-type engine bed when uses the non-center bore puller bolt.
 ※PS-814 abolishes the unification to use PS-805
 ※PS-P5 abolishes the unification to use PS-P5-1
 ※PS-08 abolishes the unification to use PS-08-1
 ※puller bolt body makes and the PS-BR puller bolt recommendation uses BT15 thin pole hillt P37
 ※When needs to attach ID the puller bolt, please at model add-on ID table demonstration: PS-6-IDB

数控铣床刀柄拉杆/拉头

NC Milling Machine Toolholder Pull Rod / Puller Bolt



BT



MAZAK



JIS



DIN69872

中心通油型拉钉

The center passes the oil-type puller bolt

规格前缀: LD..

订购编码 Order	拉钉型号 Type	用途 Application	机床厂家 Machine Tool Manufacturer	内孔 d3	备注 Note	单价 Price
809700	PS-130E	BT30-MAS-II特殊	兄弟工业东注精机工业	2.5	d2=7.5	60
809702	PS-132	BT30-MAS-I特殊		4	d2=8	60
809704	PS-802	BT31-JIS-B6339-89	FANUC	4	PS-801带孔	60
809706	PS-876	BT30 JIS		2.5	d4=5.5 o=30	60
809708	PS-73	BT40-MAS-I	山崎马扎克	4	PS-1带孔	70
809710	PS-371	BT40-MAS-I	大隈丰和	3	d4=7 o=30	70
809712	PS-392	BT40-MAS-I	丰田工机	3	d4=7.3	0
809714	PS-H28	BT40-MAS-I		3	d4=5	70
809716	PS-75*1	BT44-MAS-II	日立精机	4	PS-2带孔	70
809718	PS-806-1			6	PS-805 6带孔	70
809720	PS-813-1		牧野制作所	6	AS568-015带O型密封圆环	70
809722	PS-854			6	3带风孔	70
809724	PS-874		安田工业	6	d4=10 o=30	70
809726	PS-877		JTEKT	3	d4=7.3	70
809728	PS-B62-1		大隈	4	S15带O型密封圆环	70
809730	PS-366E-1	BT40 中心通孔	森精机制作所	7	d4=10 o=30 N29104*3	70
809732	PS-G51			7	PS-G58 带孔34931900680*2	70
809734	PS-G510	BT40 ANSI	山崎马扎克	7	PS-G51高压型34261910160*2	70
809736	PS-309	IT40 DIN		7	DIN 69872-A-1988	80
809738	PS-380E	IT40 DIN 中心通孔		7	d4=10 o=30 N29106*3	80
809740	PS-A1	IT40 ISO A	森精机制作所	7	ISO-7388/2-1984A	80
809742	PS-A4	IT40 ISO B		7.35	ISO-7388/2-1984B	80
809744	PS-G52	IT40 ANSI		7	34931900660*2	80
809746	PS-G53	CAT40U ANSI	山崎马扎克	7	34931900670*2	80
809748	PS-B64-1	CAT40U ANSI	大隈	4	S15带O型密封圆环	80
809750	PS-D72	CAT40U ANSI		7	ANSI/ASME B5.50-1985	80
809752	PS-381E	CAT40U 中心通孔		7	d4=10 o=30 N29105*3	80
809754	PS-5E	BT50-MAS-I	森精机制作所	6	PS-5带孔	100
809756	PS-552		丰田工机	6	d4=10.4	100
809758	PS-563		安田工业	5.5	d4=11.2 o=60	100
809760	PS-595		森精机制作所	8	d4=11 o=30 N29120*3	100
809762	PS-5024		大隈丰和	6	d4=9.5 o=30	100
809764	PS-5027	BT50-MAS-I	大阪机工	6	端面附带O型密封圆环	100
809766	PS-5030G		东芝机械	4.5	带O型密封圆环	100
809768	PS-M16		牧野制作所	6	带O型密封圆环	100
809770	PS-H38-B			3	端面附带O型密封圆环	100
809772	PS-6E	BT50-MAS-II	日立精机	6	PS-6带孔	100
809774	PS-578		丰田工机	6	d4=10.4	100
809776	PS-579		安田工业	5.5	d4=11.2 o=60	100
809778	PS-596		森精机制作所	8	d4=11 o=30 n29126*3	100
809780	PS-5016	BT50-MAS-II	大隈丰和	6	d4=9.5 o=30	100
809782	PS-B60		大隈	6	带O型密封圆环	100
809784	PS-H39-B		日立精机	3	端面附带O型密封圆环	100
809786	PS-O31			6	PS-O穴付	100
809788	PS-O56		森精机制作所	8	d4=11 o=30 N29119*3	100
809790	PS-O67	BT50 90	大阪机工	6	端面附带O型密封圆环	100
809792	PS-O48-B			3	端面附带O型密封圆环	100
809794	PS-810	BT50 JIS-B6339-89	日立精机	10	PS-809带孔	100
809796	PS-819		丰田工机	6	d4=10.4	100
809798	PS-833	BT50 JIS	安田工业	5.5	d4=11.2 o=60	100
809800	PS-816-1		牧野制作所	6	P21带O型密封圆环	100
809802	PS-P16	BT50 三井精机专用	三井精机	8	PS-P带孔端面研磨	100
809804	PS-G41			10	端面附带O型密封圆环44831901160*2	100
809806	PS-G63	BT50 ANSI		10	PS-G45带孔端面研磨32551901720*2	100
809808	PS-G410			10	PS-G41高压规格34341901620*2	100
809810	PS-D92	CAT50U ANSI	山崎马扎克	11.7	ANSI/ASME B5.50-1985	100
809812	PS-A3	IT50 ISO A		11.5	ISO-7388/2-1984A	100
809814	PS-A6	IT50 ISO B		11.55	ISO-7388/2-1984B	100
809816	PS-512	IT50 DIN		11.5	DIN 69872-A-1988	100

车刀
配件

铣刀
配件

刀柄
配件

拉钉

筒夹

主轴
清洁
检测
棒

锁刀
座

Z轴
设定
寻边
器

刀具
整理

组合
工具

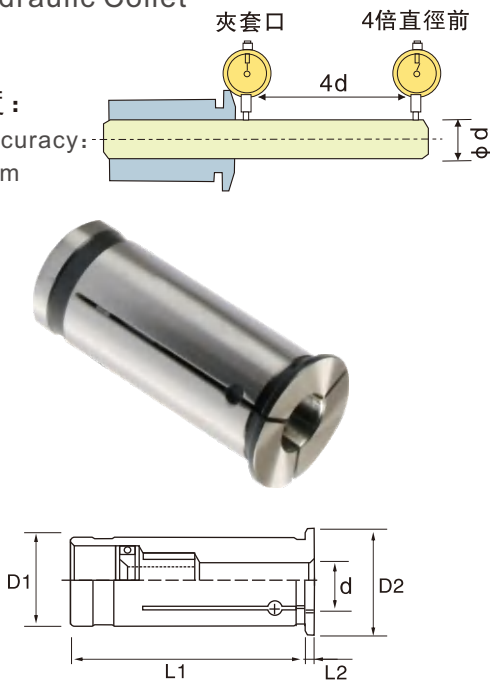
配件

HM 液压筒夹

HM Hydraulic Collet

高精度:

High Accuracy: 0.005mm



精度0.005mm Accuracy: 0.005mm

型号 Cat.No	D1	D2	L1	L2	d	订购 Order	单价 PRICE (RMB)				
HM12 -3	12	16	44.5	2	3	803100	700				
-4					4	803102	700				
-5					5	803104	700				
-6					6	803106	700				
-7					7	803108	700				
-8					8	803110	700				
-10					10	803112	700				
HM20 -3					20	24	50.5	2	3	803114	700
-4									4	803116	700
-5									5	803118	700
-6	6	803120	700								
-7	7	803122	700								
-8	8	803124	700								
-9	9	803126	700								
-10	10	803128	700								
-11	11	803130	700								
-12	12	803132	700								
-13	13	803134	700								
-14	14	803136	700								
-15	15	803138	700								
-16	16	803140	700								
-17	17	803142	700								
-18	18	803144	700								
HM32 -6	32	36	60.5	3	6	803146	850				
-8					8	803148	850				
-10					10	803150	850				
-12					12	803152	850				
-14					14	803154	850				
-16					16	803156	850				
-18					18	803158	850				
-20					20	803160	850				
-25					25	803162	850				

精度0.003mm Accuracy: 0.003mm

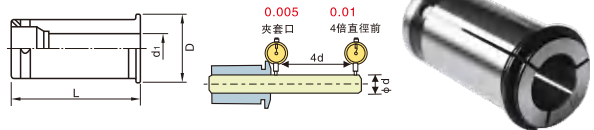
型号 Cat.No	D1	D2	L1	L2	d	订购 Order	单价 PRICE (RMB)				
OHM12 -3	12	19	44.5	2	3	803200	950				
-4					4	803202	950				
-5					5	803204	950				
-6					6	803206	950				
-7					7	803208	950				
-8					8	803210	950				
-10					10	803212	950				
OHM20 -3					20	29	50.5	2	3	803214	950
-4									4	803216	950
-5									5	803218	950
-6	6	803220	950								
-7	7	803222	950								
-8	8	803224	950								
-9	9	803226	950								
-10	10	803228	950								
-11	11	803230	950								
-12	12	803232	950								
-13	13	803234	950								
-14	14	803236	950								
-15	15	803238	950								
-16	16	803240	950								
-17	17	803242	950								
-18	18	803244	950								
OHM32 -6	32	39	60.5	3					6	803246	1150
-8									8	803248	1150
-10					10	803250	1150				
-12					12	803252	1150				
-14					14	803254	1150				
-16					16	803256	1150				
-18					18	803258	1150				
-20					20	803260	1150				
-25					25	803262	1150				

C 强力型刀柄筒夹

规格表示方法

C powerful tool holder collet

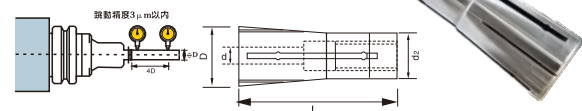
SCA.. 0.005mm
SCB.. 0.008mm
SC.. 0.02mm



名称 Style	型号 Cat.No	D	L	订购 Order Number	单价 PRICE (RMB)
C20	C20-3,4,5,6,8,10,12,16	26	55	803300	100
C25	C25-3,4,5,6,8,10,12,16,20	30	63	803302	120
C32	C32-3,4,5,6,7,8,9,10,12,16,20,25	38	70	803304	140
C32	C32-1/4,5/16,3/8,1/2,5/8,3/4,1"	38	70	803306	140
C42	C42-3,4,6,8,10,12,16,20,25,32	48	75	803308	200
C42	C42-1/4,5/16,3/8,1/2,5/8,3/4,1",1-1/4"	48	75	803310	200

ADS/MX 后拉式刀柄筒夹

Ads / MX back pull toolholder collet



名称 Style	型号 Cat.No	精度		D	L	订购 Order Number	单价 PRICE (RMB)
		标准	精密级				
MX6	MX6-2,3,4,5,6,3,175	0.005	0.003	9.6	36	803400	680
MX10	MX10-3,4,5,6,8,10	0.005	0.003	16	52	803402	680
MX12	MX12-3,4,5,6,8,10,12	0.005	0.003	22	57	803404	680

※采用直身设计
※适用于液壓刀柄

※Uses the straight body design
※Is suitable for the hydraulic pressure hilt

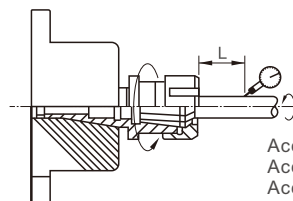
ER 刀柄筒夹

ER Toolholder Collet



规格表示方法

ERA.. 0.005mm
ERB.. 0.008mm
ER.. 0.02mm



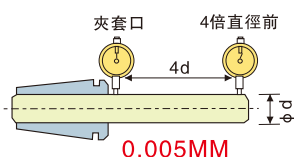
跳动精度

Accuracy: 0.02mm
Accuracy: 0.008mm
Accuracy: 0.005mm

型号 Cat.No	订购 Order	单价 PRICE (RMB)
ER8-1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5		100
ER11-1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7		100
ER16-1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10		100
ER20-1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10, 10.5, 11, 11.5, 12, 12.5, 13		100
ER25-1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16		105
ER32-1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22		110
ER40-2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28		120
ER50-12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34		350

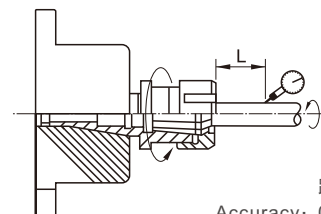
SK 刀柄筒夹

SK Toolholder Collet



规格表示方法

SSK.. 0.005mm
SK.. 0.008mm



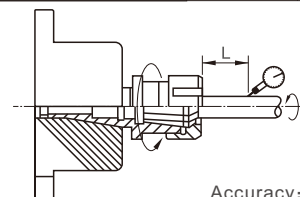
跳动精度

Accuracy: 0.005mm

型号 Cat.No	订购 Order	单价 PRICE (RMB)
SK6-0.8, 1, 1.25, 1.5, 1.75, 2, 2.25, 2.5, 2.75, 3, 3.5, 4, 4.5, 5, 5.5, 6	803500	420
SK10-2, 2.25, 2.5, 2.75, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10	803502	350
SK16-3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10, 10.5, 11, 11.5, 12, 12.5, 13, 13.5, 14, 14.5, 15, 15.5, 16	803504	350
SK20-3, 4, 5, 6, 8, 10, 12, 16, 20	803506	350
SK25-6, 8, 10, 12, 14, 16, 16.5, 17, 17.5, 18, 18.5, 19, 19.5, 20, 20.5, 21, 21.5, 22, 22.5, 23, 23.5, 24, 24.5, 25, 25.4	803508	380

OZ 刀柄筒夹

OZ Toolholder Collet



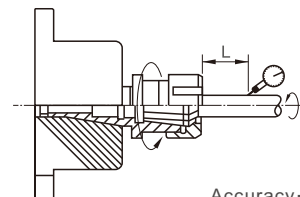
跳动精度

Accuracy: 0.015mm

型号 Cat.No	订购 Order	单价 PRICE (RMB)
OZ25-3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25	803700	100
OZ32-3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32	803702	100

ERZ 刀柄止水筒夹

ERZ Toolholder Water Stop Collet



跳动精度

Accuracy: 0.015mm

型号 Cat.No	订购 Order	单价 PRICE (RMB)
ERZ16-4, 5, 6, 7, 8, 9, 10	803800	150
ERZ20-4, 5, 6, 7, 8, 9, 10, 11, 12	803802	150
ERZ25-4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16	803804	150
ERZ32-4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 18, 20	803806	150
ERZ40-4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 18, 20, 25	803808	200

车刀
配件

铣刀
配件

刀柄
配件

拉钉

筒夹

主轴
清洁
检测
棒

锁刀
座

Z轴
设定
寻边
器

刀具
整理

组合
工具

配件

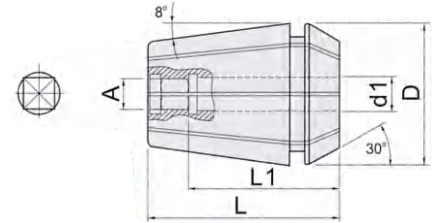
G 扭力攻牙刀柄套筒 G Quick Change Taps Collet



名称 Style	型号 Cat.No	订购编码 Order Number	单价 PRICE (RMB)
G24	G24-M24,M25,M26,M27,M28,M30,M32,M33,M34,M35,M36,M39,M40,M42,M45,M48	804000	600
	-UNC9/16,UNC5/8,UNC3/4,UNC7/8,UNC1,UNC1-1/8,UNC1-1/4,UNC1-3/8		
	-PT1/4,PT3/8,PT1/2,PT3/4,PT1		
G12	G12-M6,M7,M8,M9,M10,M11,M12,M14,M15,M16,M17,M18,M20,M22,M24,M27,M30	804002	450
	-UNC3/8,7/16,1/2,9/16,5/8,3/4,7/8		
	-PT1/8,PT1/4,PT3/8,PT1/2		
G3	G3-M3,M4,M5,M6,M7,M8,M9,M10,M11,M12,M14,M15,M16	804004	300
	-UNC1/4,UNC5/16,UNC3/8,UNC7/16,UNC1/2,UNC9/16		
	-PT1/8,PT1/4		

※ 选购本产品时请注明筒夹是方孔还是圆孔及所用丝攻之品牌或参照标准。

ERT丝攻筒夹 ERT Tapping Collets



ERT丝攻筒夹均根据精度标准1级（10微米）制造。

ERT tapping collets are manufactured according to accuracy standard 1 (10 microns).

既适用于标准的ER夹头，又适用于丝攻夹头。
(根据丝攻特定的柄径和方形的尺寸)。

ERT16 筒夹 ERT16 Collets D=16.5/L=27.5

订购编号 Order No.	规格型号 Model	d1	丝攻标准 Tapping standard		丝攻方头尺寸 A-□ mm	L1	价格 Price
			DIN371	DIN376			
804200	ERT 16045	4.5	M4	M6	3.4	18	
804202	ERT 16050	5	ISO	JIS	4	18	
804204	ERT 16055	5.5		M7	4.5	18	
804206	ERT 16060	6	M4.5-M5-M6	M8	4.9	18	
804208	ERT 16070	7	M7	M9-M10	5.5	18	

ERT20 筒夹 ERT20 Collets D=20.5/L=32.5

订购编号 Order No.	规格型号 Model	d1	丝攻标准 Tapping standard		丝攻方头尺寸 A-□ mm	L1	价格 Price
			DIN371	DIN376			
804300	ERT 20045	4.5	M4	M6	3.4	18	
804302	ERT 20050	5	ISO	JIS	4	18	
804304	ERT 20055	5.5		M7	4.5	18	
804306	ERT 20060	6	M4.5-M5-M6	M8	4.9	18	
804308	ERT 20070	7	M7	M9-M10	5.5	18	
804310	ERT 20090	8	M8	M11	6.2	22	
804312	ERT 20100	9	M9	M12	7	22	
804314	ERT 20110	10	M10		8	25	

ERT25 筒夹 ERT25 Collets D=25.5/L=34

订购编号 Order No.	规格型号 Model	d1	丝攻标准 Tapping standard		丝攻方头尺寸 A-□ mm	L1	价格 Price
			DIN371	DIN376			
804400	ERT 25045	4.5	M4	M6	3.4	18	
804402	ERT 25050	5	ISO	JIS	4	18	
804404	ERT 25055	5.5		M7	4.5	18	
804406	ERT 25060	6	M4.5-M5-M6	M8	4.9	18	
804408	ERT 25070	7	M7	M9-M10	5.5	18	
804410	ERT 25080	8	M8	M11	6.2	22	
804412	ERT 28090	9	M9	M12	7	22	
804414	ERT 25100	10	M10		8	25	
804416	ERT 25110	11		M14	9	25	
804418	ERT 25120	12	M12	M16	9	25	

车刀
配件

铣刀
配件

刀柄
配件

拉钉

筒夹

主轴
清洁
检测
棒

锁刀
座

Z轴
设定
寻边
器

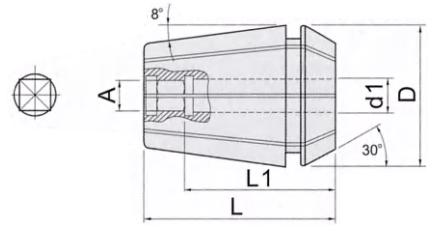
刀具
整理

组合
工具

配件

ERT32 筒夹

ERT32 Collets



ERT丝攻筒夹均根据精度标准1级（10微米）制造。

ERT tapping collets are manufactured according to accuracy standard 1 (10 microns).

既适用于标准的ER夹头，又适用于丝攻夹头。
(根据丝攻特定的柄径和方形的尺寸)。

D=32/L=40

订购编号 Order No.	规格型号 Model	d1	丝攻标准 Tapping standard		丝攻方头尺寸 A-□ mm	L1	价格 Price
			DIN371	DIN376			
804600	ERT 32045	4.5	M4	M6	3.4	18	
804602	ERT 32050	5	ISO	JIS	4	18	
804604	ERT 32055	5.5		M7	4.5	18	
804606	ERT 32060	6	M4.5-M5-M6	M8	4.9	18	
804608	ERT 32070	7	M7	M9-M10	5.5	18	
804610	ERT 32080	8	M8	M11	6.2	22	
804612	ERT 32090	9	M9	M12	7	22	
804614	ERT 32100	10	M10		8	25	
804616	ERT 32110	11		M14	9	25	
804618	ERT 32120	12	M12	M16	9	25	
804620	ERT 32140	14		M18	11	25	
804622	ERT 32160	16		M20	12	25	

ERT40 筒夹 ERT40 Collets

D=40.5/L=46

订购编号 Order No.	规格型号 Model	d1	丝攻标准 Tapping standard		丝攻方头尺寸 A-□ mm	L1	价格 Price
			DIN371	DIN376			
804800	ERT 40060	6	M4.5-M5-M6	M8	4.9	18	
804802	ERT 40070	7	M7	M9-M10	5.5	18	
804804	ERT 40080	8	M8	M11	6.2	22	
804806	ERT 40090	9	M9	M12	7	22	
804808	ERT 40100	10	M10		8	25	
804810	ERT 40110	11		M14	9	25	
804812	ERT 40120	12	M12	M16	9	25	
804814	ERT 40140	14		M18	11	25	
804816	ERT 40160	16		M20	12	25	
804818	ERT 40170	17		JIS	13	33	
804820	ERT 40180	18		M22-M24	14.5	33	
804822	ERT 40200	20		M27	16	33	
804824	ERT 40220	22		M30	18	33	

车刀
配件

铣刀
配件

刀柄
配件

拉钉

筒夹

主轴
清洁
检测
棒

锁刀
座

Z轴
设定
寻边
器

刀具
整理

组合
工具

配件

主轴清洁棒

Spindle Cleaning Rod



规格 Type	重量 Weight(KG)	单价 PRICE (RMB)
QJB-BT30	0.05	200
QJB-BT40	0.06	200
QJB-BT50	0.13	250

主轴测试棒

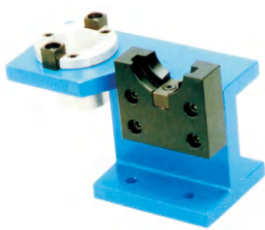
Spindle Test Bar



规格 Type	柄径 D	长度 L	同心度 Concentricity	单价 PRICE (RMB)
CSB-BT30-TA250L	32	250	±0.003	3300
CSB-BT40-TA300L	40	300		3800
CSB-BT50-TA300L	40	300		4200
CSB-SK40-TA300L	40	300		4200
CSB-SK50-TA300L	40	300		4550
CSB-CAT30-TA250L	32	250		3200
CSB-CAT40-TA300L	40	300		3600
CSB-CAT50-TA300L	40	300		4000
CSB-HSK63A-TA300L	40	400		7600

数控刀柄刀具拆卸座-锁刀座

CNC tool holder for tool removal



BT/CAT



NBT



XBT



ISO



HSK

	BT/CAT 锁刀座 Locking fixture		XBT 锁刀座 Locking fixture		ISO 锁刀座 Locking fixture		HSK 锁刀座 Locking fixture	
	规格 Type	价格 Price	规格 Type	价格 Price	规格 Type	价格 Price	规格 Type	价格 Price
规格 Type	SDZ-BT30	600	SDZ-XBT30	750	SDZ-ISO20-33	2000	SDZ-HSK25	2000
	SDZ-BT40	600	SDZ-XBT40	750	SDZ-ISO25-37	2300	SDZ-HSK32	2300
	SDZ-BT50	800	SDZ-XBT50	1000	SDZ-ISO30-50	2300	SDZ-HSK40	2300
	SDZ-CAT30	1100			SDZ-NBT30-46	2300	SDZ-HSK50	3200
	SDZ-CAT40	1200	SDZ-NBT30	600			SDZ-HSK63	
	SDZ-CAT50	1450					SDZ-HSK100	

Z轴设定器

Z-Axis Setter



规格型号 Model No	图示 Fig	高度设定 Setting High	单价 Price
Z-ZIP50A 带表式	1	50mm±0.005	1000
Z-EIP50A 光电式	2	50mm±0.005	1000
Z-ASM50	3	50mm±0.005	2400
Z-ZAP50	4	50mm±0.005	2960
Z-ASM100	5	100mm±0.005	1800
Z-SM100	6	100mm±0.005	3000

1.在电脑铣床上设定刀长用
2.底座有磁性
1.Easy, quick, simple for setting tool length on the machine center
2.Base with magnetic

3D万向寻边器

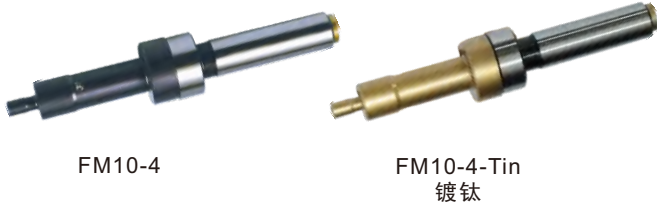
3D Sensors Haimer



规格型号 Model No	产品编码 Haimer	精度 Accuracy	柄径 Diameter	单价 Price
3D寻边器 (3D-Sensors)	80.360.00	0.01mm	20mm	
3D短针 (3D-Short Needle)	80.362.00	0.01mm	20mm	
3D长针 (3D-Long Needle)	80.363.00	0.01mm	20mm	

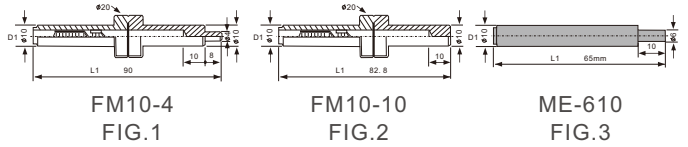
机械式寻边器

Mechanical Edge Finder



FM10-4

FM10-4-Tin
镀钛



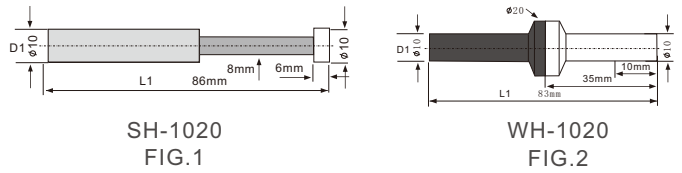
规格型号 Model No	FIG	D1	L1	Price
FZB-FM10-4	1	10	90	160
FZB-FM10-4-Tin 镀钛	1	10	90	160
FZB-FM10-10	2	10	82.8	160
FZB-ME-610	3	10	65	160

陶瓷寻边器

Ceramic Edge Finder



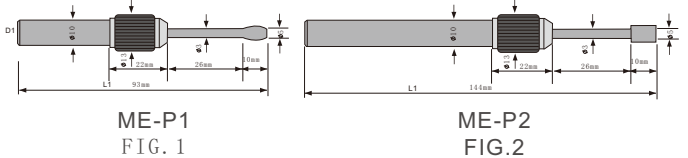
SH1020
FIG.1



规格型号 Model No	FIG	D1	L1	Price
FZB-SH-1020	1	10	86	280
FZB-WH-1020	2	10	83	280

回转式寻边器

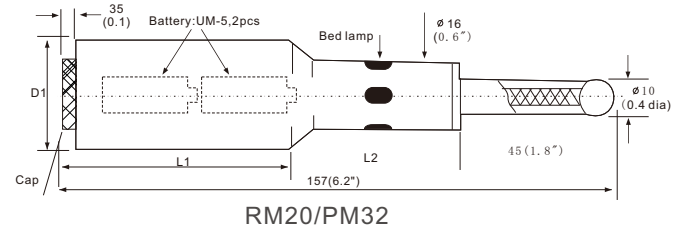
Rotary Edge Finder



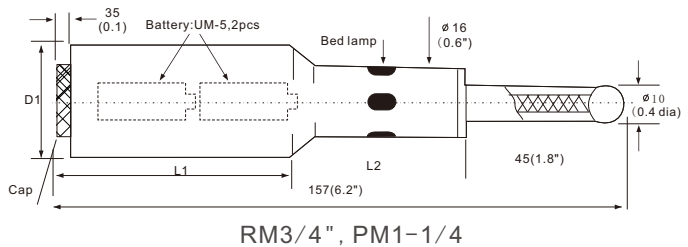
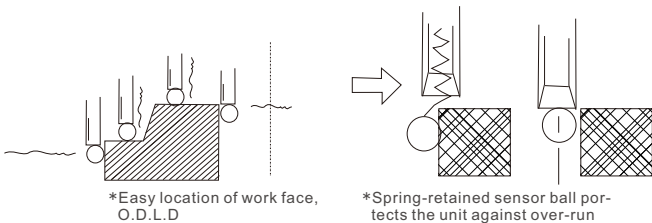
规格型号 Model No	FIG	D1	L1	Price
FZB-ME-P1	1	10	93	260
FZB-ME-P2	2	10	144	280

光电式寻边器

Photoelectric Edge Finder



规格型号 Model No	FIG	L1	L2	Price
FZB-PM20	20	77	35	360
FZB-PM32	32	71	41	460



规格型号 Model No	FIG	L1	L2	Price
FZB-PM3/4"	19. 05 (3/4)	77	35	360
FZB-PM1-1/4	31. 75 (1-1/4")	71	41	460

车刀配件

铣刀配件

刀柄配件

拉钉

筒夹

主轴
清洁
检测
棒

锁刀座

Z轴
设定
寻边器

刀具
整理

组合
工具

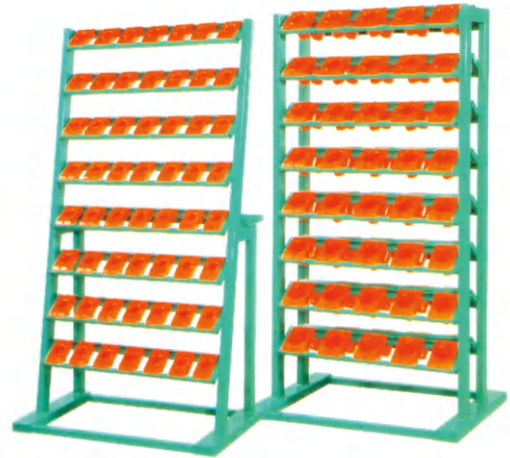
配件

数控刀柄用刀具整理架

Tool arrangement frame for NC toolholder

FIG.1

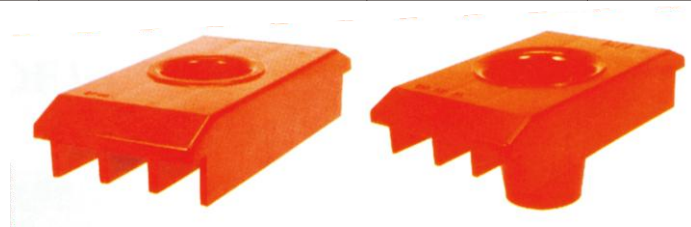
FIG.2



订购编码 Order	规格型号 Model No	适配刀架 Shank Size	装刀数量 Tool Capacity	单价 Price
806100	DJJ#30 TOOL STAND(刀具架)-FIG.1	BT/NT/CAT/NC30	64 PCS	
806102	DJJ#40 TOOL STAND(刀具架)-FIG.1	BT/NT/CAT/NC40	56 PCS	
806104	DJJ#50 TOOL STAND(刀具架)-FIG.1	BT/NT/CAT/NC50	40 PCS	
806106	DJJ#30 TOOL STAND(刀具架)-FIG.2	BT/NT/CAT/NC30	128 PCS	
806108	DJJ#40 TOOL STAND(刀具架)-FIG.2	BT/NT/CAT/NC40	112 PCS	
806110	DJJ#50 TOOL STAND(刀具架)-FIG.2	BT/NT/CAT/NC50	80 PCS	

数控刀柄用刀具套

Tool sleeve for NC toolholder



订购编码 Order	规格型号 Model No	外观尺寸 Size	适配刀架 Shank Size	单价 Price
806200	DJT#30 TOOL SHEATH(刀具盒)	64Wx137Dx48HMM	BT/NT/CAT/NC30	
806202	DJT#40 TOOL SHEATH(刀具盒)	74Wx137Dx63HMM	BT/NT/CAT/NC40	
806204	DJT#50 TOOL SHEATH(刀具盒)	104Wx137Dx93HMM	BT/NT/CAT/NC50	

数控刀柄用刀具车

Tool arrangement for NC toolholder

FIG.1

FIG.2



订购编码 Order	规格型号 Model No	适配刀架 Shank Size	装刀数量 Tool Capacity	抽屉数量 Number of drawers	单价 Price
806300	DJC#30 TOOL TROLLEY(刀具车)-FIG.1	BT/NT/CAT/NC30	32PCS	X	
806302	DJC#40 TOOL TROLLEY(刀具车)-FIG.1	BT/NT/CAT/NC40	28PCS	X	
806304	DJC#50 TOOL TROLLEY(刀具车)-FIG.1	BT/NT/CAT/NC50	20PCS	X	
806306	DJC#30 TOOL TROLLEY(刀具车)-FIG.2	BT/NT/CAT/NC30	32PCS	2-SET	
806308	DJC#40 TOOL TROLLEY(刀具车)-FIG.2	BT/NT/CAT/NC40	28PCS	2-SET	
806310	DJC#50 TOOL TROLLEY(刀具车)-FIG.2	BT/NT/CAT/NC50	20PCS	2-SET	

车刀配件
铣刀配件
刀柄配件
拉钉
筒夹
主轴清洁检测棒
锁刀座
Z轴设定寻边器
刀具整理
组合工具

配件

数控刀柄用刀具整理柜

Tool arrangement cabinet for NC toolholder

TC-S23
570Wx345Dx650HMM
(所注高度不含轮高160mm)
(His not including wheel-160mm)

适用于狭窄场地

S型mini 超小型工具车

	W	D	H
小抽	480	292	75
大抽	480	290	154

单位: mm



TC-LT25
680Wx460Dx830Hmm
(所注高度不含轮高160mm)
(Hisnot including wheel-160mm)

加大面置物船盘

L型 大型工具车 单位: mm

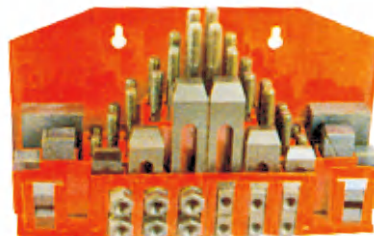
	W	D	H
小抽	569	398	73
大抽	569	398	153

- *落地型工具车, 加轮设计, 移动自如, 抽屉均加装钢珠滑轨, 顺畅拉抽.
- *每抽可承载40KG
- *中控抽屉均附保险锁
- *坚固柜体承受力强
- *以标准超耐重符合各种尺寸之"车轮"搭配
- *粉体烤漆车体, 防磨损及溶剂侵蚀

万能夹具组-52件/组

Universal fixture group-52pcs/Kit

订购编码 Order	规格型号 Model No	T型槽 T-slot	螺杆尺寸 Stud Size	单价 Price
806400	CK-103A	7/16"	3/8"-16NC	
806402	CK-103B	1/2"	3/8"-16NC	
806404	CK-104A	9/16"	1/2"12NC	
806406	CK-104B	5/8"	1/2"12NC	
806408	CK-104C	9/16"	1/2"13NC	
806410	CK-105A	11/16"	5/8"-11	
806412	CK-105B	3/14"	5/8"-11	
806414	CK-08	10	M08x1.25P	
806416	CK-10	12	M10x1.50P	
806418	CK-12A	14	M12x1.75P	
806420	CK-12B	16	M12x1.75P	
806422	CK-14	16	M14x2.0P	
806424	CK-16	18	M16x2.0P	
806426	CK-18	20	M18x2.5P	
806428	CK-20	22	M20x2.5P	



适用各型机械工作台面T型槽, 专为模具, 治具板等固定使用.

Suitable for all types of mechanical worktable T-groove, specially for mold, Fixture plate and other fixed use

英制螺杆规格长度有: 3", 4", 5", 6", 7", 8"各4支
24PCS. Stud each size X 4pcs: 3", 4", 5", 6", 7", 8"

- | | |
|--------|-------------------|
| 6个T型螺帽 | 6pcs t-slot |
| 6个法兰螺帽 | 6pcs flanged nuts |
| 4个接头螺帽 | 4pcs coupling nut |
| 6个齿型压板 | 6pcs step clamps |
| 6个齿型垫板 | 6pcs stop blocks |

A.T.C 三点组合精密检测工具

A.T.C Three point combination precision testing tool

FIG.1

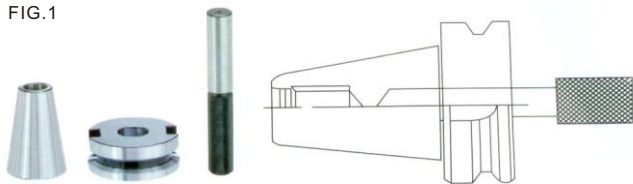
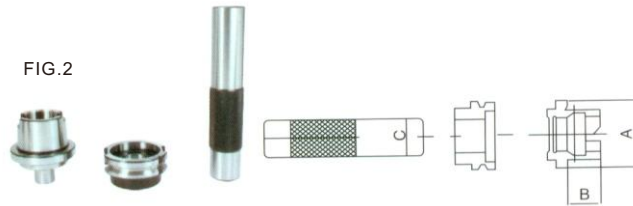


FIG.2



锥度标准 Taper Shank	图示 Fig	规格型号 Model No	A	B	C	订购编码 Order	单价 Price
MAS403-BT	1	ATC-BT30				806500	
		ATC-BT40				806502	
		ATC-BT50				806504	
SK-DIN69871A	1	ATC-SK30				806506	
		ATC-SK40				806508	
		ATC-SK50				806510	
CAT	1	ATC-CAT30				806512	
		ATC-CAT40				806514	
		ATC-CAT50				806516	
HSK	2	ATC-HSK50A	50	25	25	806518	
		ATC-HSK63A	63	32	30	806520	
		ATC-HSK100A	100	50	40	806522	

车刀
配件

铣刀
配件

刀柄
配件

拉钉

筒夹

主轴
清洁
检测
棒

锁刀
座

Z轴
设定
寻边
器

刀具
整理

组合
工具

配件

CBN



R03-R04 CBN/PCD 切削参数
CBN/PCD cutting parameters

PCD

立装
螺纹



R05-R12 螺纹车削加工参数
Thread turning processing parameters

切槽
加工



R08 切槽车削加工参数
Cutting parameters for slot turning

通用
螺纹

钻孔



R14-R17 钨钢刀具铣削加工参数与对策
Milling parameters and countermeasures
for tungsten steel cutting tools

通用
铣削

铣削
对策



R18 钻铣加工用加工参数
Processing parameters for drilling and milling processing

钻铣
加工

粗铣
加工



R18 粗铣刀加工参数
Rough milling cutter machining parameters

T型
槽
加工



R18 T型槽侧铣刀加工参数
Processing parameters of T-groove side milling cutter

直角
台肩

快
进
给
铣刀



R19-R20 直角立铣刀加工参数
Machining parameters of right angle end mills

圆鼻
铣刀

球刀



R21-R24 高进给立铣刀加工参数
High feed end mill machining parameters

技术
标准

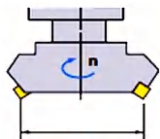


R25-R26 圆鼻铣刀加工参数
Processing parameters of round nose milling cutter

技术
资料



R27-R28 球头铣刀加工参数
Processing parameters of ball end milling cutter



R31

平面铣削加工的计算式

Calculation formula for flat milling machining

CBN

PCD

立装
螺纹

切槽
加工

通用
螺纹

钻孔

通用
铣削

铣削
对策

钻铣
加工

粗铣
加工

T型
槽
加工

直角
台肩

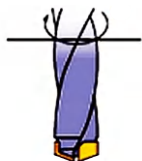
快
进
给
铣刀

圆鼻
铣刀

球刀

技术
标准

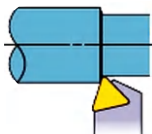
技术
资料



R32

孔加工的计算式

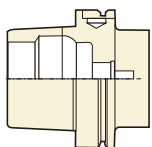
Calculation formula for hole machining



R33-R34

车削加工的计算式

Calculation formula for turning machining



R35-R37

NC工具柄部尺寸图

Dimensional drawing of NC tool handle



R38

丝锥加工中常出现的问题及对策

Common problems and countermeasures in tap machining



R39-R42

材料横向对比表

Material Horizontal Comparison Table



R43

镗刀系统组合图

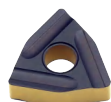
Combination diagram of boring tool system



R44

MZG数控车刀表达方式

Expression of MZG CNC Turning Tools



R45

MZG数控车刀片表达方式

Expression of MZG CNC lathe blade



R46

品牌刀具材质对照表

Brand Tool Material Comparison Table

CBN 工具

长寿命化

稳定化

高速化

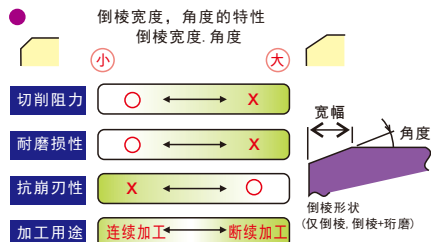


型号的查看方法 (车削用刀片)

C N G A 12 04 04 S0225 ME

车削用刀的表示方法 B2参考

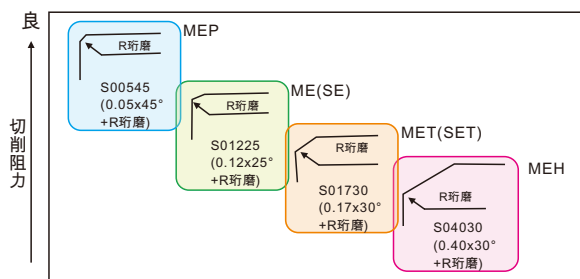
刀片类型	型号例	刀尖式样	任意符号	切刃长度	使用刀尖数	再研磨
负角	CNGA120404MEF	F	MEF	短(小刀尖)	2	不推荐
	CNGA120404S01225ME	S01225	ME		2	
	CNGA12040S00545MEP	S00545	MEP		2	
	CNGA120404S1225SE	S01225	SE		1	
	CNMN120404S02020	S02020	无符号 (仅CBN900)		长	
正角	CCMW09T304MEF	F	MEF	短(小刀尖)	2	不推荐
	CCMW09T304T00815ME	T00815	ME		2	
	CCMW09T304S01225MES	S01225	MES		2	
	CCMW09T304T00815SE	T00815	SE		1	



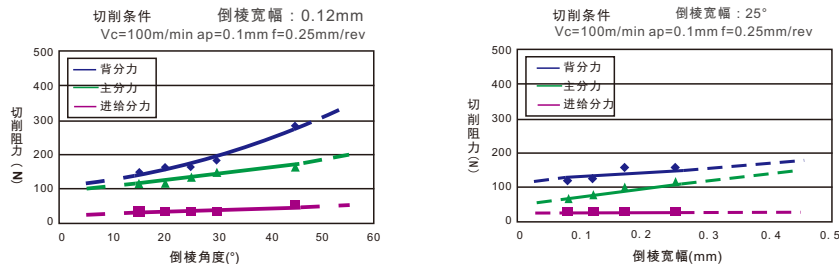
刀尖式样的查看方法

符号	刀尖状态	刀尖式样 示例		形状例
F	锋利刀尖	F	锋利刀尖	锋利刀尖
E	R研磨	E008	R0.08mm 研磨	R 研磨
T	倒棱	T01215	0.12mm X 15° 倒棱	
S	倒棱+研磨	S01225	0.12mm X 25° 倒棱+研磨	

① 负角刀片 标准刀尖式样 (高硬度材料加工)

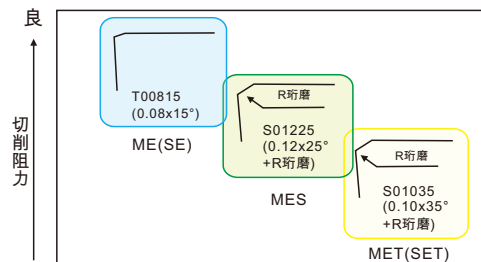


切削阴力与倒棱角度, 宽幅的关系



对切削阴力的影响, 倒棱角度要大于倒棱宽度。
倒棱角度变大对抗崩刃性的改善效果大于改变倒棱宽幅, 但与此同时切削阴力也会增加, 请注意。

② 正角刀片 标准刀尖式样 (高硬度材料加工)



CBN推荐切削条件 CBN Recommended Cutting Conditions

被加工材料 Material to be processed	被加工材料 Material to be processed 硬度 Hardness	加工形态 Processing form		推荐材质 Recommended material	切削条件 Cutting conditions		
					切削速度Vc (m/min)	切深ap (mm)	进给量f (mm/rev)
淬硬钢	55HRC以上	通用精加工	连续~断续	CBN1	100-150-200	0.05-0.3-0.5	0.05-0.08-0.1
		高效稳加工	轻断续~断续	CBN-S	80-120-160	0.05-0.3-0.5	0.05-0.08-0.1
		断续(小切深)	断续~强断续	CBN-S	60-100-150	0.05-0.2-0.4	0.05-0.08-0.1
		重切削	连续~断续	CBN-S	70-90-110	0.5-1.0-2.0	0.05-0.1-0.2
灰口铸铁	250HB以下	精加工	连续~轻断续	CBN-K	300-600-800	0.05-0.2-0.5	0.03-0.05-0.1
		高效精加工	连续~轻断续	CBN-K	500-900-1200	0.1-0.5-1.0	0.05-0.1-0.2
		重切削	连续~断续	CBN-K	500-700-900	0.5-1.5-3.0	0.1-0.3-0.5
轧辊材料 (冷硬铸铁)	55HRC以上	精加工	连续~断续	CBN-K	80-120-160	0.05-0.3-0.5	0.05-0.08-0.1
		重切削	连续~断续	CBN-K	70-90-110	0.3-0.7-1.0	0.05-0.1-0.15
铁系烧结金属	-	精加工	连续~轻断续	CBN-S	50-150-250	0.05-0.15-0.25	0.03-0.1-0.2
	-	精加工	连续~断续	CBN-S	100-200-250	0.05-0.2-0.3	0.05-0.15-0.25

PCD刀具推荐切削条件 (车削) Recommended cutting conditions for PCD tools (turning) ★ 第1推荐 ☆ 第2推荐

被加工材料 Material to be processed	刀片材质		切削条件				备注
	PCD	PCD1	切削速度 (m/min)	切深 (mm)		进给量 (mm/rev)	
				小刀尖以及 正角刀片	负角刀片		
铝合金、锌合金	★	☆	300~1500	~1.0	~2.0	0.03~0.5	干式 湿式 均可
铜、黄铜、青铜	★	☆	300~1000	~1.0	~2.0	0.03~0.5	
镁合金	★	☆	400~1200	~1.0	~2.0	0.03~0.5	
硬质合金	★	☆	10~30	~0.3	~0.3	0.03~0.1	
钛合金	★	☆	100~200	~1.0	~2.0	0.05~0.2	湿式
玻璃纤维强化塑料碳纤维	★	☆	100~600	~1.0	~2.0	0.05~0.5	干式
硅填充塑料硬质纤维板	★	☆	400~800	~1.0	~2.0	0.05~0.5	

小孔螺纹刀 推荐切削条件 Small Hole Thread Cutter Recommended Cutting Conditions

◆ 推荐切削条件 Recommended cutting conditions ★ :第一推荐

被加工材料 Material to be processed	推荐刀片材质 (切削速度 m/min)
	MEGACOAT
	Zp151
碳钢/合金钢	★ 30~100
不锈钢	★ 30~80
铝/有色金属	-

(注意)
1) 标准切削速度为30~50m/min。
小内径和高转速时,进刀量会有无法跟上要求的情况。
需注意。
2) 推荐湿式加工。

◆ 切深和走刀数(公制螺纹) Depth Of Cut And Number Of Passes (metric Thread)

螺距 (mm)	总切深 (mm)	走刀数 (回)	1次 走刀	2次 走刀	3次 走刀	4次 走刀	5次 走刀	6次 走刀	7次 走刀	8次 走刀	9次 走刀	10次 走刀	11次 走刀	12次 走刀	13次 走刀	14次 走刀	15次 走刀	16次 走刀	17次 走刀	18次 走刀	19次 走刀	20次 走刀
0.5	0.3	9	0.05	0.05	0.04	0.04	0.03	0.03	0.02	0.02	0.02											
0.7	0.42	10	0.06	0.05	0.05	0.05	0.05	0.04	0.04	0.03	0.03	0.02										
0.75	0.45	10	0.06	0.06	0.05	0.05	0.05	0.04	0.04	0.04	0.03	0.03										
0.8	0.48	11	0.06	0.06	0.05	0.05	0.05	0.04	0.04	0.04	0.03	0.03	0.03									
1.00	0.61	12	0.07	0.07	0.06	0.06	0.06	0.05	0.05	0.05	0.04	0.04	0.03	0.03								
1.25	0.77	14	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.05	0.05	0.04	0.04	0.04	0.03						
1.50	0.93	17	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.03			
1.75	1.1	20	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.03	0.03

◆ 切深和走刀数(惠氏螺纹) Cutting Depth And Number Of Passes (wyeth Thread)

牙数 (牙/英寸)	总切深 (mm)	走刀数 (回)	1次 走刀	2次 走刀	3次 走刀	4次 走刀	5次 走刀	6次 走刀	7次 走刀	8次 走刀	9次 走刀	10次 走刀	11次 走刀	12次 走刀	13次 走刀	14次 走刀	15次 走刀	16次 走刀	17次 走刀		
24	0.65	13	0.07	0.07	0.06	0.06	0.06	0.05	0.05	0.05	0.04	0.04	0.04	0.03	0.03						
20	0.81	15	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.04	0.04	0.03	0.03				
18	0.91	17	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.04	0.04	0.03	0.03	0.03	0.03

◆ 切深和走刀数(英制螺纹) Depth Of Cut And Number Of Passes (inch Thread)

牙数 (牙/英寸)	总切深 (mm)	走刀数 (回)	1次 走刀	2次 走刀	3次 走刀	4次 走刀	5次 走刀	6次 走刀	7次 走刀	8次 走刀	9次 走刀	10次 走刀	11次 走刀	12次 走刀	13次 走刀	14次 走刀	15次 走刀	16次 走刀	17次 走刀	18次 走刀	
36	0.44	10	0.06	0.06	0.06	0.05	0.05	0.05	0.04	0.03	0.02	0.02									
32	0.5	11	0.06	0.06	0.06	0.05	0.05	0.05	0.04	0.04	0.03	0.03	0.03								
28	0.55	12	0.07	0.06	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.03	0.03	0.03							
24	0.65	12	0.07	0.07	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.04	0.03							
20	0.78	14	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.05	0.05	0.04	0.04	0.03					
18	0.88	17	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.03	0.03	
16	0.99	18	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.03

CBN

PCD

立装
螺纹切槽
加工通用
螺纹

钻孔

通用
铣削铣削
对策钻铣
加工粗铣
加工T型
槽
加工直角
台肩快
进
给
铣
刀圆鼻
铣刀

球刀

技术
标准技术
资料

推荐切削参数

Recommended Cutting Parameters

TT型螺纹推荐切削条件

(60°/55°无修光刃)其1

TT type thread recommended cutting conditions

(60°/55° without wiper) 1

(切深表示半径切深的值)

种类 Kind	螺距/牙数 mm.牙/英寸	型号 Model	刀尖角R (°)	总切深 (mm)	走刀数 (回)	切削参数																			
						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17			
55° 惠氏螺纹 Wyeath thread	内螺纹 Internal thread	24牙/英寸 TT32/43 ^{R/L} 5501	0.10	0.65	6	0.20	0.16	0.12	0.10	0.05	0.20														
		20牙/英寸 TT32/43 ^{R/L} 5501	0.10	0.81	7	0.20	0.18	0.16	0.12	0.08	0.05	0.02													
		18牙/英寸 TT32/43 ^{R/L} 5501	0.10	0.91	8	0.20	0.18	0.16	0.15	0.10	0.05	0.05	0.02												
		16牙/英寸 TT32/43 ^{R/L} 5501 5502	0.10 0.20	1.04 0.92	9 8	0.20 0.20	0.18 0.18	0.15 0.16	0.14 0.13	0.10 0.10	0.08 0.05	0.08 0.05	0.02												
		14牙/英寸 TT32/43 ^{R/L} 5501 5502	0.10 0.20	1.20 1.08	10 9	0.20 0.20	0.18 0.16	0.16 0.15	0.14 0.14	0.12 0.10	0.08 0.08	0.05 0.05	0.02												
		12牙/英寸 TT32/43 ^{R/L} 5501 5502	0.10 0.20	1.42 1.30	10 9	0.23 0.25	0.22 0.20	0.20 0.18	0.16 0.16	0.14 0.12	0.10 0.10	0.08 0.05	0.02												
		11牙/英寸 TT32/43 ^{R/L} 5501 5502 TT43 ^{R/L} 5503	0.10 0.20 0.30	1.56 1.44 1.33	11 10 9	0.25 0.25 0.25	0.22 0.22 0.20	0.22 0.18 0.16	0.20 0.16 0.14	0.18 0.12 0.10	0.16 0.10 0.05	0.14 0.10 0.02	0.05	0.02											
		10牙/英寸 TT32/43 ^{R/L} 5501 5502 TT43 ^{R/L} 5503	0.10 0.20 0.30	1.73 1.61 1.50	12 11 10	0.25 0.25 0.25	0.22 0.22 0.22	0.20 0.18 0.18	0.16 0.17 0.14	0.15 0.12 0.10	0.14 0.12 0.10	0.14 0.10 0.05	0.02	0.05	0.02										
		9牙/英寸 TT43 ^{R/L} 5501 5502 5503	0.10 0.20 0.30	1.93 1.82 1.70	13 12 11	0.25 0.25 0.25	0.23 0.22 0.22	0.20 0.18 0.20	0.18 0.16 0.14	0.16 0.15 0.12	0.14 0.12 0.10	0.14 0.10 0.05	0.02	0.08	0.05	0.02									
		8牙/英寸 TT43 ^{R/L} 5501 5502 5503 5504	0.10 0.20 0.30 0.40	2.19 2.07 1.96 1.84	15 14 13 12	0.27 0.27 0.30 0.25	0.25 0.23 0.23 0.21	0.21 0.20 0.18 0.20	0.18 0.16 0.14 0.12	0.16 0.14 0.12 0.10	0.14 0.12 0.10 0.08	0.12 0.10 0.08 0.06	0.05	0.02	0.08	0.05	0.02	0.06	0.05	0.02					

TT型 (60°带修光刃)

(60° with wiper)

(切深表示半径切深的值)

种类 Kind	螺距/牙数 mm.牙/英寸	型号 Model	C (mm)	总切深 (mm)	走刀数 (回)	切削参数																	
						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
公制螺纹 External thread	1.00mm	TT43E ^{R/L} 100M	0.64	0.72	5	0.23	0.19	0.15	0.10	0.05													
	1.25mm	125M	0.80	0.88	6	0.26	0.21	0.16	0.12	0.08	0.05												
	1.50mm	150M	0.95	1.03	6	0.26	0.24	0.21	0.16	0.11	0.05												
	2.00mm	200M	1.27	1.35	10	0.26	0.21	0.18	0.16	0.14	0.12	0.10	0.08	0.05	0.05								

TTX型 (60°/55°无修光刃)

(60°/55° without wiper)

(切深表示半径切深的值)

种类 Kind	螺距/牙数 mm.牙/英寸	型号 Model	刀尖角R (°)	总切深 (mm)	走刀数 (回)	切削参数																		
						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17		
公制螺纹 60° External thread	0.50mm	TTX32R 6000 6000S	0.00	0.38	6	0.10	0.10	0.07	0.05	0.04	0.02													
		TTX32R 6000 6000S	0.05	0.33	5	0.10	0.10	0.07	0.04	0.02														
		TTX32R 6000 6000S	0.00	0.53	7	0.10	0.10	0.10	0.08	0.07	0.06	0.02												
	0.70mm	TTX32R 6000 6000S	0.00	0.48	6	0.10	0.10	0.10	0.10	0.06	0.02													
		TTX32R 6000 6000S	0.05	0.57	8	0.10	0.10	0.10	0.08	0.08	0.05	0.04	0.02											
	0.75mm	TTX32R 6000 6000S	0.00	0.52	7	0.10	0.10	0.10	0.08	0.07	0.05	0.02												
		TTX32R 6000 6000S	0.05	0.61	8	0.10	0.10	0.10	0.10	0.08	0.06	0.05	0.02											
	0.80mm	TTX32R 6000 6000S	0.00	0.56	7	0.10	0.10	0.10	0.10	0.08	0.06	0.02												
		TTX32R 6000 6000S 6001	0.00 0.05 0.10	0.76 0.71 0.66	8 7 6	0.15 0.18 0.20	0.13 0.15 0.15	0.12 0.12 0.12	0.12 0.10 0.10	0.08 0.08 0.07	0.04 0.06 0.02	0.02												
	1.25mm 1.50mm 1.75mm 2.00mm	TTX32R 6001	0.10	0.85	7	0.25	0.20	0.13	0.10	0.10	0.05	0.02												
TTX32R 6001		0.10	1.04	9	0.25	0.18	0.14	0.12	0.10	0.10	0.08	0.05	0.02											
TTX32R 6001		0.10	1.23	10	0.25	0.23	0.20	0.13	0.10	0.10	0.08	0.07	0.05	0.02										
TTX32R 6001		0.10	1.42	11	0.25	0.23	0.20	0.16	0.13	0.10	0.10	0.10	0.08	0.05	0.02									
管用平行螺 纹 55° External thread	28牙/英寸 TTX32R 5501	0.10	0.61	5	0.20	0.18	0.15	0.06	0.02															
	19牙/英寸 TTX32R 5501 5501S	0.10 0.15	0.95 0.90	8 7	0.20 0.20	0.18 0.16	0.15 0.14	0.12 0.12	0.10 0.08	0.02														
	14牙/英寸 TTX32R 5501S	0.15	1.28	10	0.25	0.20	0.18	0.16	0.12	0.12	0.10	0.08	0.05	0.02										
	11牙/英寸 TTX32R 5501S	0.15	1.67	12	0.25	0.22	0.20	0.18	0.16	0.14	0.14	0.12	0.10	0.08	0.06	0.02								
惠氏螺纹 55° External thread	24牙/英寸 TTX32R 5501	0.10	0.73	6	0.20	0.18	0.16	0.12	0.05	0.02														
	20牙/英寸 TTX32R 5501 5501S	0.10 0.15	0.90 0.84	7 7	0.20 0.20	0.18 0.18	0.16 0.16	0.14 0.12	0.12 0.10	0.08 0.06	0.02													
	18牙/英寸 TTX32R 5501S	0.15	0.95	8	0.20	0.18	0.15	0.14	0.12	0.10	0.04	0.02												
	16牙/英寸 TTX32R 5501S	0.15	1.10	9	0.20	0.18	0.16	0.14	0.12	0.12	0.10	0.06	0.02											
	14牙/英寸 TTX32R 5501S	0.15	1.28	10	0.25	0.20	0.18	0.16	0.12	0.12	0.10	0.08	0.05	0.02										
	12牙/英寸 TTX32R 5501S	0.15	1.52	11	0.25	0.20	0.18	0.16	0.16	0.14	0.14	0.12	0.10	0.05	0.02									
	11牙/英寸 TTX32R 5501S	0.15	1.67	12	0.25	0.22	0.20	0.18	0.16	0.14	0.14	0.12	0.10	0.08	0.06	0.02								

TTX型

可用于比TT螺距更小或多牙/英寸的加工。也可用于边缘车螺纹加工。

Can Be Used For Machining Smaller Than Tt Pitch Or Multiple Teeth/inch. Can Also Be Used For Edge Threading.

刀片型号 Blade Model	螺距的种类 Type Of Thread	公制螺距 (mm)	英制螺距 (牙/英寸)	管用平行螺距 (牙/英寸)	惠氏螺距 (牙/英寸)
TTX32R 6000 6000S 6001		0.5~1.0 0.5~1.0 1.0~2.0	56~32 48~32 28~14	- - -	- - -
TTX32R 6000S 6000S		0.5 0.5	56~48 48	- -	- -
TTX32R 5501 5501S		- -	- -	28~19 19~11	24~20 20~14

- (注意) 1) 根据螺距不同, 选择具有合适的刀尖圆弧半径R(rε)的刀片。
 2) 第一次进刀时, 切深请勿超过0.3mm。
 3) 最后精加工时的切深, 请设定在0.02~0.05mm之间。
 4) 为防止第1次过刀时刀片崩刃, 请在加工件上作C0.3~C0.5的倒角加工。
 5) 推荐湿式加工。

CBN

PCD

立装
螺纹

切槽
加工

通用
螺纹

钻孔

通用
铣削

铣削
对策

钻铣
加工

粗铣
加工

T型
槽
加工

直角
台肩

快
进
给
铣
刀

圆鼻
铣刀

球刀

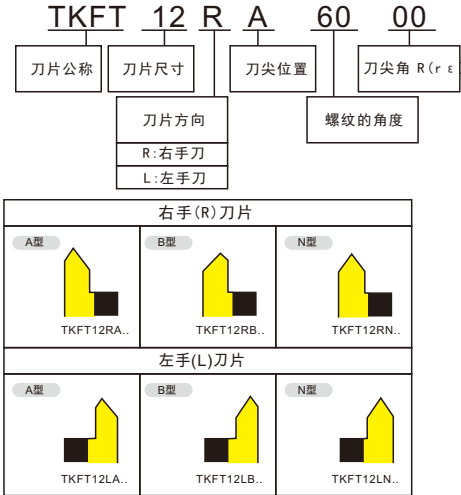
技术
标准

技术
资料

■ KTKFT型螺纹推荐切削条件

KTKFT type thread recommended cutting conditions

刀片型号表示方法 How To Represent The Blade Model



◆ 推荐切削条件

Recommended cutting conditions

被加工材料 Material to be processed	推荐刀片材质 Recommended blade material			
	MEGACOAT NANO	MEGACOAT	PVD涂层硬质合金	硬质合金
	ZP163	ZP153	ZP15	ZK10
碳 钢	Vc=70~170 m/mim		Vc=60~150 m/mim	
	最初切深(半径): 0.2mm以下		最初切深(半径): 0.2mm以下	
合金钢	Vc=70~170 m/mim		Vc=60~150 m/mim	
	最初切深(半径): 0.2mm以下		最初切深(半径): 0.2mm以下	
不 锈 钢	Vc=60~100 m/mim		Vc=50~80 m/mim	
	最初切深(半径): 0.15mm以下		最初切深(半径): 0.15mm以下	
铸 铁	-		-	
	-		Vc=100 m/mim 最初切深(半径): 0.2mm以下	
铝 合 金	-		-	
	-		Vc=150~400 m/mim 最初切深(半径): 0.2mm以下	
黄 铜	-		-	
	-		Vc=150~300 m/mim 最初切深(半径): 0.15mm以下	

■ 切深和走刀数

Cutting depth and number of passes

● TKFT型(60°55°无修光刃)

TKFT type (60°55° without wiper)

推荐湿式加工。

进行不锈钢加工时, 要比“切深量/走刀数”表中的值多2~3次过刀。

种类 Kind	螺距·牙数 mm.牙/英寸	型号 Model	刀尖角R (re)	总切深 (mm)	走刀数 (回)	1 2 3 4 5 6 7 8 9 10 11 12												
						公制螺纹 Metric thread												
外螺纹 External thread	0.20mm	TKFT 12R/L A/B6000	Max 0.05 平滑	0.15	4	0.06	0.04	0.03	0.02									
	0.25mm			0.19	4	0.07	0.06	0.04	0.02									
	0.30mm			0.23	4	0.08	0.07	0.06	0.02									
	0.35mm			0.27	5	0.08	0.07	0.06	0.04	0.02								
	0.40mm			0.30	5	0.10	0.08	0.06	0.04	0.02								
	0.45mm			0.34	6	0.10	0.08	0.06	0.04	0.02								
	0.50mm	TKFT 12R/L A/B6000 12R/L A/B60005	0.05	0.38	6	0.10	0.10	0.07	0.05	0.04	0.02							
	0.60mm	TKFT 12R/L A/B6000 12R/L A/B60005	Max 0.05 平滑	0.45	7	0.10	0.10	0.08	0.06	0.05	0.04	0.02						
	0.70mm			0.05	0.48	6	0.10	0.10	0.10	0.06	0.02							
	0.75mm	TKFT 12R/L A/B60005	Max 0.05 平滑	0.05	0.52	7	0.10	0.10	0.10	0.08	0.07	0.05	0.02					
	0.80mm			0.05	0.56	7	0.10	0.10	0.10	0.08	0.06	0.02						
	1.00mm	TKFT 12R/L A/B60005 12R/L N6001	Max 0.05 平滑	0.05	0.71	8	0.15	0.15	0.12	0.10	0.08	0.06	0.03	0.02				
1.25mm	0.10			0.66	7	0.18	0.18	0.12	0.10	0.06	0.03	0.02						
1.50mm	TKFT 12R/L N6001	Max 0.05 平滑	0.05	0.90	9	0.20	0.18	0.13	0.10	0.10	0.07	0.05	0.05	0.02				
1.50mm			0.10	0.85	8	0.20	0.18	0.13	0.10	0.10	0.07	0.05	0.02					
管用 平行螺纹 External thread	28牙/英寸	TKFT 12R/L A/B55005	Max 0.05 平滑	0.05	0.67	7	0.18	0.15	0.12	0.10	0.06	0.04	0.02					
	19牙/英寸			0.05	1.01	9	0.20	0.18	0.14	0.12	0.12	0.10	0.08	0.05	0.02			
惠氏螺纹 Wyeth Thread	24牙/英寸	TKFT 12R/L A/B55005	Max 0.05 平滑	0.05	0.79	8	0.18	0.18	0.12	0.10	0.08	0.07	0.04	0.02				
	20牙/英寸			0.05	0.96	8	0.20	0.20	0.15	0.10	0.10	0.08	0.06	0.05	0.02			
	18牙/英寸			0.05	1.07	10	0.20	0.18	0.15	0.12	0.10	0.10	0.08	0.07	0.05	0.02		
	16牙/英寸			0.05	1.21	11	0.20	0.18	0.15	0.15	0.12	0.10	0.10	0.08	0.07	0.04	0.02	

■ 空间刀杆的小型自动车床(导套方式)的种用方法

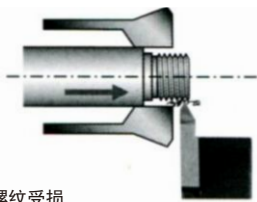
Method Of Using Small Automatic Lathe (guide Sleeve Method) For Space Cutter

以工具的纵向方向(Z轴方向)不能移动的自动车床为对象。

The automatic lathe that cannot move in the longitudinal direction of the tool (Z-axis direction) is targeted.

● 以往螺纹加工刀杆时

In the past, when threading the toolholder

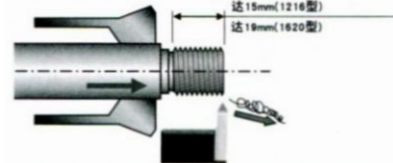


切屑进入导套, 可能导致螺纹受损

Chips Entering The Guide Sleeve May Cause Damage To The Thread

● 空间刀杆螺纹加工刀杆时

Space Cutter Thread When Machining The Toolholder



空间刀杆不将螺纹切到导套附近, 螺纹长度可达到15mm(19mm)为止!

The space shank does not cut the thread near the guide sleeve, and the thread length can reach 15mm (19mm)!

推荐切削参数

Recommended Cutting Parameters

◆ GBA 型刀片 (研磨断屑槽) GBA type blade (grinding chipbreaker)

被加工材料 Material to be processed	推荐刀片材质 (切削速度 m/min)										①切槽加工时进给量 (mm/rev) ②横向加工时进给量 (mm/rev) ③横向加工时切深 (mm)					备注
	MC	金属陶瓷		MEGA	PVD 涂层硬质合金		硬质合金	CBN	PCD(金刚石)	GBA ○○ % 033~100	GBA ○○ % 125~200	GBA ○○ % 230~300	GBA ○○ % 330~400	GBA ○○ % 400~480		
	ZN60T	ZN60	ZN90	ZP163	ZP153	ZP152	ZP151	ZK10	CBN						PCD	
碳钢	★ 150~240	★ 150~220	☆ 150~220	★ 80~200	☆ 80~180	☆ 80~180	-	-	-	①0.03~0.08 ②不可横向加工 ③不可横向加工	①0.04~0.09 ②0.04~0.09 ③Max.0.3	①0.05~0.1 ②0.05~0.1 ③Max.0.5	①0.05~0.12 ②0.05~0.1 ③Max.0.5	①0.05~0.12 ②0.05~0.1 ③Max.0.8		
合金钢	★ 130~220	★ 130~200	☆ 130~200	★ 80~180	☆ 80~160	☆ 80~160	-	-	-	①0.03~0.07 ②不可横向加工 ③不可横向加工	①0.04~0.08 ②0.04~0.08 ③Max.0.3	①0.05~0.09 ②0.05~0.09 ③Max.0.5	①0.05~0.1 ②0.05~0.1 ③Max.0.5	①0.05~0.1 ②0.05~0.1 ③Max.0.8		
不锈钢	-	-	☆ 70~150	☆ 60~150	☆ 60~130	★ 60~130	-	-	-	①0.03~0.07 ②不可横向加工 ③不可横向加工	①0.04~0.08 ②0.04~0.08 ③Max.0.3	①0.05~0.09 ②0.05~0.09 ③Max.0.5	①0.05~0.1 ②0.05~0.1 ③Max.0.5	①0.05~0.1 ②0.05~0.1 ③Max.0.8		
铸铁	-	-	-	-	-	-	★ 60~120	☆ 60~120	★ 150~400	①0.03~0.08 ②不可横向加工 ③不可横向加工	①0.04~0.09 ②0.04~0.09 ③Max.0.3	①0.05~0.1 ②0.05~0.1 ③Max.0.5	①0.05~0.12 ②0.05~0.1 ③Max.0.5	①0.05~0.12 ②0.05~0.1 ③Max.0.8		
铝	-	-	-	-	-	-	-	★ 150~400	-	★ 150~2000	①0.05~0.12 ②不可横向加工 ③不可横向加工	①0.05~0.15 ②0.05~0.15 ③Max.0.5	①0.05~0.15 ②0.08~0.15 ③Max.0.8	①0.08~0.15 ②0.08~0.15 ③Max.0.8		
黄铜	-	-	-	-	-	-	-	★ 150~300	-	★ 200~800	①0.05~0.12 ②不可横向加工 ③不可横向加工	①0.05~0.15 ②0.05~0.15 ③Max.0.5	①0.05~0.15 ②0.08~0.15 ③Max.0.8	①0.08~0.15 ②0.08~0.15 ③Max.0.8		
高硬度材料	-	-	-	-	-	-	-	-	★ 80~120	-	①0.02~0.05 ②不可横向加工 ③不可横向加工	①0.03~0.07 ②0.01~0.04 ③Max.0.1				

※以上切削条件适用于外径切槽加工。对于内径切槽加工，请把切削速度和进刀量调低10%。MEGA表示MEGACOAT。MC表示MEGACOAT金属陶瓷 ★：第一推荐 ☆：第二推荐

◆ TGF 型刀片 (研磨断屑槽) TGF type insert (grinding chipbreaker)

MEGA表示MEGACOAT。

被加工材料 Material to be processed	推荐刀片材质 (切削速度 m/min)							①切槽加工时进给量 (mm/rev) ②横向加工时进给量 (mm/rev) ③横向加工时切深 (mm)				备注
	金属陶瓷	MEGA	PVD 涂层硬质合金		硬质合金	CBN	PCD(金刚石)	TGF32 % 033~050	TGF32 % 075~095	TGF32 % 100~145	TGF32 % 150~250	
	ZN60	ZN90	ZP153	ZP152	ZK10	CBN	PCD					
碳钢	☆ 150~220	★ 80~180	☆ 80~180	☆ 80~180	-	-	-	①0.01~0.05 ②不可横向加工 ③不可横向加工	①0.02~0.07 ②不可横向加工 ③不可横向加工	①0.03~0.08 ②0.03~0.06 ③Max.0.2	①0.03~0.08 ②0.03~0.06 ③Max.0.2	
合金钢	☆ 130~200	★ 80~160	☆ 80~160	☆ 80~160	-	-	-	①0.01~0.04 ②不可横向加工 ③不可横向加工	①0.02~0.06 ②不可横向加工 ③不可横向加工	①0.03~0.07 ②0.02~0.05 ③Max.0.2	①0.03~0.07 ②0.02~0.05 ③Max.0.2	
不锈钢	-	☆ 60~130	☆ 60~130	★ 60~130	-	-	-	①0.01~0.04 ②不可横向加工 ③不可横向加工	①0.02~0.06 ②不可横向加工 ③不可横向加工	①0.03~0.07 ②0.02~0.05 ③Max.0.2	①0.03~0.07 ②0.02~0.05 ③Max.0.2	
铸铁	-	-	-	-	★ 60~100	-	-	①0.01~0.05 ②不可横向加工 ③不可横向加工	①0.02~0.07 ②不可横向加工 ③不可横向加工	①0.03~0.08 ②0.02~0.06 ③Max.0.2	①0.03~0.08 ②0.02~0.06 ③Max.0.2	
铝	-	-	-	-	★ 150~400	-	★ 150~2000	①0.01~0.05 ②不可横向加工 ③不可横向加工	①0.02~0.07 ②不可横向加工 ③不可横向加工	①0.03~0.08 ②0.03~0.06 ③Max.0.2	①0.03~0.08 ②0.03~0.06 ③Max.0.2	
黄铜	-	-	-	-	★ 150~300	-	★ 200~800	①0.01~0.04 ②不可横向加工 ③不可横向加工	①0.02~0.06 ②不可横向加工 ③不可横向加工	①0.03~0.07 ②0.02~0.05 ③Max.0.2	①0.03~0.07 ②0.02~0.05 ③Max.0.2	

TKF12/16推荐切削条件 Recommended cutting conditions for TKF12/16

※()内为刀尖强化型 (TKF.T.)的切削条件

★：第一推荐 ☆：第二推荐

被加工材料 Material to be processed	推荐刀片材质 (切削速度 m/min)				TKF12 刃宽W(mm)						TKF16 刃宽W(mm)		备注
	MEGACOAT NANO	MEGACOAT	PVD涂层硬质合金	硬质合金	0.5	0.7	1.0	1.25	1.5	2.0	1.5	2.0	
	ZP163	ZP153	ZP152	ZK10	进给量(mm/rev)						进给量(mm/rev)		
碳钢	★ 70~170 (50~140)	★ 70~150 (50~120)	☆ 60~130	-	0.01~0.02	0.01~0.03	0.01~0.04 (0.01~0.05)	0.01~0.04	0.01~0.04 (0.02~0.1)	0.01~0.04 (0.02~0.1)	0.02~0.07 (0.02~0.1)	0.02~0.07 (0.02~0.1)	
合金钢	★ 70~170 (50~140)	★ 70~150 (50~120)	☆ 60~130	-	0.01~0.02	0.01~0.03	0.01~0.04 (0.01~0.05)	0.01~0.04	0.01~0.04 (0.02~0.1)	0.01~0.04 (0.02~0.1)	0.02~0.07 (0.02~0.1)	0.02~0.07 (0.02~0.1)	
不锈钢	☆ 60~140 (40~120)	★ 60~120 (40~100)	☆ 50~130	-	0.005~0.015	0.01~0.02	0.01~0.02 (0.01~0.03)	0.01~0.02	0.01~0.02 (0.01~0.05)	0.01~0.02 (0.01~0.05)	0.01~0.04 (0.01~0.05)	0.01~0.04 (0.01~0.05)	
铸铁	-	-	-	★ 50~100	0.01~0.03	0.01~0.04	0.01~0.05	0.01~0.05	0.01~0.05	0.01~0.05	0.02~0.08	0.02~0.08	
铝合金	-	-	-	★ 200~450	0.01~0.03	0.01~0.04	0.01~0.05	0.01~0.05	0.01~0.05	0.01~0.05	0.02~0.08	0.02~0.08	
黄铜	-	-	-	★ 100~200	0.01~0.03	0.01~0.04	0.01~0.06	0.01~0.06	0.01~0.06	0.01~0.06	0.02~0.1	0.02~0.1	

CBN

PCD

立装
螺纹

切槽
加工

通用
螺纹

钻孔

通用
铣削

铣削
对策

钻铣
加工

粗铣
加工

T型
槽
加工

直角
台肩

快
进
给
铣
刀

圆鼻
铣刀

球刀

技术
标准

技术
资料

推荐切削参数

Recommended Cutting Parameters

60°.55° (无修光刃)
60°.55° (no wiper)

英制螺纹/惠氏螺纹/管用平行螺纹. 锥度管螺纹
Inch thread / Wyeth thread / tube parallel thread. Taper pipe thread

(切深表示半径切深的值)

种类 Kind	螺距 牙数 mm.牙/英寸 Model	型号 Model	刀尖角R (fe)	总切深 (mm)	走刀数 (回)																							
						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19				
英制螺纹 Inch thread	18牙/英寸	081R 60007	0.07	0.85	17	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.03	0.03	0.03					
		081R 60007	0.07	0.96	18	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.03	0.03			
	48牙/英寸	111R A60		0.02	0.32	5	0.08	0.07	0.07	0.06	0.04																	
					0.67	7	0.14	0.13	0.12	0.10	0.08	0.06	0.04															
					0.8	8	0.14	0.13	0.12	0.12	0.11	0.08	0.06	0.04														
					0.9	9	0.15	0.14	0.13	0.12	0.11	0.08	0.07	0.06	0.04													
	16牙/英寸	161R A60	AG60	0.02	1.01	10	0.15	0.14	0.13	0.12	0.12	0.10	0.08	0.07	0.06	0.04												
					0.32	5	0.08	0.07	0.07	0.06	0.04																	
	24牙/英寸	161R A60	AG60	0.02	0.67	7	0.14	0.13	0.12	0.10	0.08	0.06	0.04															
					0.67	7	0.14	0.13	0.12	0.10	0.08	0.06	0.04															
	20牙/英寸	161R A60	AG60	0.02	0.80	8	0.14	0.13	0.12	0.12	0.11	0.08	0.06	0.04														
					0.80	8	0.14	0.13	0.12	0.12	0.11	0.08	0.06	0.04														
	18牙/英寸	161R A60	AG60	0.02	0.90	9	0.15	0.14	0.13	0.12	0.11	0.08	0.07	0.06	0.04													
					0.90	9	0.15	0.14	0.13	0.12	0.11	0.08	0.07	0.06	0.04													
	16牙/英寸	161R A60	AG60	0.02	1.01	10	0.15	0.14	0.13	0.12	0.12	0.10	0.08	0.07	0.06	0.04												
					1.01	10	0.15	0.14	0.13	0.12	0.12	0.10	0.08	0.07	0.06	0.04												
	14牙/英寸	161R G60	AG60	0.02	1.07	9	0.20	0.18	0.16	0.14	0.12	0.10	0.08	0.05	0.04													
					1.16	11	0.15	0.14	0.14	0.13	0.12	0.11	0.10	0.09	0.08	0.06	0.04											
	13牙/英寸	161R G60	AG60	0.02	1.16	10	0.20	0.18	0.16	0.14	0.12	0.11	0.08	0.07	0.06	0.04												
					1.25	12	0.18	0.16	0.15	0.13	0.12	0.11	0.10	0.09	0.07	0.06	0.04	0.04										
	12牙/英寸	161R G60	AG60	0.02	1.26	11	0.20	0.18	0.16	0.14	0.13	0.12	0.10	0.08	0.06	0.05	0.04											
					1.35	13	0.20	0.18	0.16	0.14	0.12	0.11	0.10	0.08	0.07	0.06	0.05	0.04	0.04									
10牙/英寸	161R G60	AG60	0.02	1.54	14	0.20	0.18	0.16	0.15	0.14	0.13	0.12	0.11	0.10	0.08	0.06	0.05	0.04	0.02									
				1.63	16	0.20	0.18	0.16	0.15	0.14	0.13	0.12	0.11	0.10	0.08	0.06	0.05	0.05	0.04	0.04	0.04	0.02						
9牙/英寸	161R G60	AG60	0.02	1.72	16	0.20	0.18	0.16	0.15	0.14	0.13	0.12	0.11	0.10	0.09	0.08	0.07	0.07	0.06	0.06	0.04	0.02	0.02					
				1.81	17	0.20	0.18	0.16	0.15	0.14	0.13	0.12	0.11	0.11	0.10	0.10	0.08	0.07	0.06	0.05	0.05	0.03	0.03	0.02	0.02			
8牙/英寸	161R G60	AG60	0.02	1.95	17	0.22	0.20	0.18	0.17	0.16	0.15	0.14	0.12	0.11	0.10	0.09	0.08	0.07	0.06	0.05	0.05	0.03	0.03	0.04	0.03			
				2.04	19	0.20	0.19	0.18	0.17	0.15	0.14	0.14	0.13	0.13	0.11	0.10	0.09	0.07	0.06	0.05	0.04	0.04	0.04					
7牙/英寸	221R N60		0.22	2.14	14	0.26	0.24	0.23	0.22	0.20	0.18	0.16	0.14	0.12	0.11	0.10	0.07	0.06	0.05				0.05					
				2.53	17	0.28	0.26	0.23	0.22	0.20	0.18	0.17	0.14	0.14	0.13	0.12	0.10	0.09	0.08	0.07	0.06	0.06	0.08	0.08	0.06			
6牙/英寸	221R N60		0.22	3.08	19	0.30	0.28	0.26	0.25	0.23	0.22	0.20	0.17	0.16	0.14	0.13	0.12	0.12	0.11	0.10	0.10	0.10						
				3.08	19	0.30	0.28	0.26	0.25	0.23	0.22	0.20	0.17	0.16	0.14	0.13	0.12	0.12	0.11	0.10	0.10							
5牙/英寸	221R N60		0.22	3.08	19	0.30	0.28	0.26	0.25	0.23	0.22	0.20	0.17	0.16	0.14	0.13	0.12	0.12	0.11	0.10	0.10							
				3.08	19	0.30	0.28	0.26	0.25	0.23	0.22	0.20	0.17	0.16	0.14	0.13	0.12	0.12	0.11	0.10	0.10							
管用平行螺纹 tube parallel thread	28牙/英寸	16ER A55-TF	0.06	0.67	7	0.16	0.14	0.10	0.09	0.08	0.06													0.02				
		AG55-TF	0.06	0.67	7	0.16	0.14	0.10	0.09	0.08	0.06																	
	19牙/英寸	16ER A55-TF	AG55-TF	0.06	1.02	8	0.20	0.18	0.16	0.14	0.12	0.10	0.07	0.05														
					1.02	8	0.20	0.18	0.16	0.14	0.12	0.10	0.07	0.05														
	14牙/英寸	16ER G55-TF	AG55-TF	0.06	1.20	9	0.22	0.19	0.17	0.15	0.13	0.12	0.10	0.08	0.04										0.05			
					1.40	11	0.24	0.22	0.19	0.16	0.14	0.12	0.10	0.08	0.06	0.05	0.04											
	11牙/英寸	16ER G55-TF	AG55-TF	0.06	1.60	12	0.24	0.22	0.20	0.18	0.16	0.14	0.13	0.10	0.08	0.06	0.05	0.04										
					1.79	13	0.25	0.22	0.21	0.20	0.18	0.16	0.14	0.12	0.10	0.08	0.05	0.05	0.03									
	28牙/英寸	16ER A55	AG55	0.06	0.67	7	0.16	0.14	0.10	0.09	0.08	0.06	0.04															
					0.67	7	0.16	0.14	0.10	0.09	0.08	0.06	0.04															
	19牙/英寸	16ER A55	AG55	0.06	1.02	8	0.20	0.18	0.16	0.14	0.12	0.10	0.07	0.05														
					1.02	8	0.20	0.18	0.16	0.14	0.12	0.10	0.07	0.05														
14牙/英寸	16ER G55	AG55	0.06	1.20	9	0.22	0.19	0.17	0.15	0.13	0.12	0.10	0.08	0.04														
				1.40	11	0.24	0.22	0.19	0.16	0.14	0.12	0.10	0.08	0.06	0.05	0.04												
11牙/英寸	16ER G55	AG55	0.06	1.60	12	0.24	0.22	0.20	0.18	0.16	0.14	0.13	0.10	0.08	0.06	0.05	0.04											
				1.79	13	0.25	0.22	0.21	0.20	0.18	0.16	0.14	0.12	0.10	0.08	0.05	0.05	0.03										
锥度管螺纹 Internal thread	28牙/英寸	061R 5501	0.10	0.61	12		0.07	0.07	0.06	0.06	0.05	0.05	0.05	0.04	0.10	0.03	0.03						0.03	0.03				
		081R 5501	0.10	0.95	18	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04					
	28牙/英寸	111R A55		0.06	0.67	7	0.16	0.14	0.10	0.09	0.08	0.06	0.04															
					0.67	7	0.16	0.14	0.10	0.09	0.08	0.06	0.04															
	19牙/英寸	161R A55	AG55	0.06	1.02	8	0.20	0.18	0.16	0.14	0.12	0.10	0.07	0.05														
					1.02	8	0.20	0.18	0.16	0.14	0.12	0.10	0.07	0.05														
	14牙/英寸	161R G55	AG55	0.06	1.20	9	0.22	0.19																				

60°.55° (无修光刃)
60°.55° (no wiper)

惠氏螺纹/30°梯形螺纹
Wyeth thread / 30° trapezoidal thread

(切深表示半径切深的值)

种类 Kind	螺距/牙数 mm.牙/英寸	型号 Model	刀尖角R (r)	总切深 (mm)	走刀数 (回)	切深																		
						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
PCD	24牙/英寸	16ER A55	0.06	0.79	7	0.18	0.16	0.14	0.11	0.08	0.07	0.05												
		AG55	0.06	0.79	7	0.18	0.16	0.14	0.11	0.08	0.07	0.05												
	20牙/英寸	16ER A55	0.06	0.96	8	0.20	0.18	0.15	0.13	0.10	0.08	0.07	0.05											
		AG55	0.06	0.96	8	0.20	0.18	0.15	0.13	0.10	0.08	0.07	0.05											
	18牙/英寸	16ER A55	0.06	1.07	9	0.20	0.17	0.16	0.14	0.11	0.09	0.08	0.07	0.05										
		AG55	0.06	1.07	9	0.20	0.17	0.16	0.14	0.11	0.09	0.08	0.07	0.05										
	16牙/英寸	16ER A55	0.06	1.22	11	0.20	0.18	0.16	0.13	0.11	0.10	0.09	0.08	0.07	0.06	0.04								
		AG55	0.06	1.22	11	0.20	0.18	0.16	0.13	0.11	0.10	0.09	0.08	0.07	0.06	0.04								
	14牙/英寸	16ER G55	0.22	1.20	9	0.22	0.19	0.17	0.15	0.13	0.12	0.10	0.08	0.04										
		AG55	0.06	1.40	11	0.24	0.22	0.19	0.16	0.14	0.12	0.10	0.08	0.06	0.05	0.04								
	12牙/英寸	16ER G55	0.22	1.44	10	0.24	0.22	0.20	0.18	0.15	0.12	0.12	0.09	0.07	0.05									
		AG55	0.06	1.64	12	0.24	0.22	0.20	0.18	0.16	0.14	0.12	0.10	0.09	0.08	0.06	0.05							
11牙/英寸	16ER G55	0.22	1.60	12	0.24	0.22	0.20	0.18	0.16	0.14	0.13	0.10	0.08	0.06	0.05	0.04								
	AG55	0.06	1.79	13	0.25	0.22	0.21	0.20	0.18	0.16	0.14	0.12	0.10	0.08	0.05	0.05	0.03							
10牙/英寸	16ER G55	0.22	1.78	12	0.24	0.22	0.20	0.18	0.17	0.16	0.15	0.13	0.12	0.09	0.07	0.05								
	AG55	0.06	1.98	14	0.25	0.22	0.20	0.18	0.16	0.15	0.14	0.13	0.12	0.11	0.10	0.09	0.08	0.05						
9牙/英寸	16ER G55	0.22	2.01	14	0.2	0.22	0.20	0.19	0.18	0.16	0.15	0.14	0.12	0.11	0.10	0.08	0.07	0.05						
	AG55	0.06	2.20	15	0.27	0.25	0.22	0.20	0.18	0.16	0.14	0.13	0.12	0.11	0.10	0.10	0.09	0.08	0.05					
8牙/英寸	16ER G55	0.22	2.29	15	0.28	0.26	0.24	0.22	0.19	0.16	0.14	0.13	0.12	0.12	0.11	0.10	0.09	0.08	0.05					
	AG55	0.06	2.49	16	0.30	0.28	0.26	0.24	0.20	0.18	0.16	0.14	0.12	0.12	0.11	0.10	0.09	0.08	0.06	0.05				
7牙/英寸	22ER N55	0.47	2.43	16	0.30	0.27	0.25	0.22	0.20	0.18	0.16	0.14	0.12	0.11	0.10	0.10	0.09	0.08	0.06	0.05				
			2.92	18	0.30	0.27	0.25	0.23	0.22	0.20	0.18	0.17	0.16	0.15	0.14	0.13	0.12	0.11	0.10	0.08	0.06	0.05		
6牙/英寸	22ER N55	0.47	3.60	21	0.30	0.28	0.27	0.26	0.25	0.24	0.22	0.20	0.19	0.18	0.17	0.16	0.15	0.14	0.13	0.11	0.10			
			0.05	0.04	0.05	0.04	0.05	0.04	0.05	0.04	0.05	0.04	0.05	0.04	0.05	0.04	0.05	0.04	0.05	0.04	0.05	0.07		
28牙/英寸	06IR 5501	0.10	0.65	13	0.07	0.07	0.06	0.06	0.06	0.05	0.05	0.05	0.04	0.04	0.04	0.03	0.03							
	08IR 5501	0.10	0.81	15	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.04	0.04	0.03	0.03				
19牙/英寸	11IR A55	0.06	0.72	7	0.16	0.14	0.12	0.10	0.08	0.07	0.05													
			0.87	8	0.16	0.15	0.14	0.13	0.11	0.08	0.06	0.04												
24牙/英寸	16IR A55	0.06	0.97	8	0.20	0.18	0.16	0.14	0.10	0.08	0.06	0.05												
			1.10	9	0.20	0.18	0.16	0.14	0.12	0.10	0.08	0.07	0.05											
20牙/英寸	16IR A55	0.06	0.72	7	0.16	0.14	0.12	0.10	0.08	0.07	0.05													
			0.87	8	0.16	0.15	0.14	0.13	0.11	0.08	0.06	0.04												
18牙/英寸	16IR A55	0.06	0.97	8	0.20	0.18	0.16	0.14	0.10	0.08	0.06	0.05												
			0.97	8	0.20	0.18	0.16	0.14	0.10	0.08	0.06	0.05												
16牙/英寸	16IR A55	0.06	1.10	9	0.20	0.18	0.16	0.14	0.12	0.10	0.08	0.07	0.05											
			1.10	9	0.20	0.18	0.16	0.14	0.12	0.10	0.08	0.07	0.05											
14牙/英寸	16IR G55	0.22	1.06	8	0.21	0.19	0.17	0.15	0.12	0.10	0.07	0.05												
			1.27	11	0.20	0.18	0.17	0.15	0.13	0.10	0.09	0.08	0.07	0.06	0.04									
12牙/英寸	16IR G55	0.22	1.28	9	0.22	0.20	0.19	0.17	0.15	0.13	0.10	0.08	0.04											
			1.48	11	0.24	0.22	0.20	0.18	0.16	0.13	0.11	0.09	0.06	0.05	0.04									
11牙/英寸	16IR G55	0.22	1.42	10	0.24	0.22	0.20	0.18	0.15	0.12	0.10	0.09	0.07	0.05										
			1.62	12	0.24	0.22	0.20	0.18	0.16	0.14	0.12	0.10	0.08	0.07	0.06	0.05								
10牙/英寸	16IR G55	0.22	1.59	12	0.24	0.22	0.20	0.18	0.16	0.14	0.12	0.10	0.08	0.06	0.05	0.04								
			1.79	13	0.25	0.22	0.21	0.20	0.18	0.16	0.14	0.12	0.10	0.08	0.05	0.05	0.03							
9牙/英寸	16IR G55	0.22	1.79	12	0.24	0.22	0.20	0.18	0.17	0.16	0.15	0.13	0.12	0.10	0.07	0.05								
			1.99	14	0.25	0.22	0.20	0.18	0.16	0.15	0.14	0.13	0.12	0.11	0.10	0.09	0.08	0.05						
8牙/英寸	16IR G55	0.22	2.05	14	0.24	0.23	0.22	0.20	0.18	0.16	0.15	0.14	0.12	0.11	0.10	0.08	0.07	0.05						
			2.25	15	0.28	0.26	0.24	0.21	0.18	0.16	0.14	0.13	0.12	0.11	0.10	0.10	0.09	0.08	0.05					
7牙/英寸	22IR N55	0.47	2.09	14	0.24	0.23	0.22	0.20	0.19	0.17	0.15	0.16	0.13	0.12	0.10	0.08	0.07	0.05						
			2.53	16	0.30	0.28	0.25	0.23	0.21	0.20	0.18	0.18	0.13	0.11	0.10	0.10	0.09	0.08	0.06	0.05				
6牙/英寸	22IR N55	0.47	3.14	19	0.30	0.28	0.27	0.26	0.24	0.22	0.20	0.18	0.16	0.15	0.14	0.12	0.12	0.11	0.10	0.10	0.08			
			0.06	0.05	0.06	0.05	0.06	0.05	0.06	0.05	0.06	0.05	0.06	0.05	0.06	0.05	0.06	0.05	0.06	0.05	0.06	0.05		
30° 梯形螺纹	外螺纹	16ER 200TR	-	1.25	10	0.22	0.20	0.17	0.16	0.13	0.12	0.10	0.07	0.05	0.03									
		16ER 300TR	-	1.75	14	0.24	0.20	0.18	0.16	0.15	0.14	0.12	0.11	0.10	0.10	0.10	0.07	0.05	0.03					
	22ER 400TR	-	2.24	15	0.26	0.23	0.22	0.20	0.20	0.18	0.16	0.15	0.14	0.13	0.12	0.10	0.07	0.05	0.03					
	22ER 500TR	-	2.73	17	0.28	0.26	0.24	0.22	0.21	0.20	0.19	0.18	0.16	0.15	0.14	0.13	0.12	0.10	0.07	0.05	0.03			
	内螺纹	16IR 200TR	-	1.25	10	0.22	0.20	0.17	0.16	0.13	0.12	0.10	0.07	0.05	0.03									
	16IR 300TR	-	1.75	14	0.24	0.20	0.18	0.16	0.15	0.14	0.12	0.11	0.10	0.10	0.10	0.07	0.05	0.03						
圆鼻铣刀	内螺纹	22IR 400TR	-	2.24	15	0.26	0.23	0.22	0.20	0.20	0.18	0.16	0.15	0.14	0.13	0.12	0.10	0.07	0.05	0.03				
		22IR 500TR	-	2.73	17	0.28	0.26	0.24	0.22	0.21	0.20	0.19	0.18	0.16	0.15	0.14	0.13	0.12	0.10	0.07	0.05	0.03		

◆ 无修光刃刀片使用时刀尖角 R(rε) 的选择
Choice of tool nose angle R(rε) when no smoothing blade is used

	外螺纹加工	内螺纹加工
公制螺纹 英制螺纹	rε ≤ 0.1443P	rε ≤ 0.0720P
管用平行螺纹 (惠氏螺纹) 锥度管螺纹	(内、外螺纹皆可) rε ≤ 0.1373P	

rε: 刀尖角 R P: 螺距 (= $\frac{25.4}{n}$) n: 牙数/英寸

- 公制螺纹，英制螺纹时
内螺纹加工为外螺纹加工约一半的刀尖角 R(rε)
- 管用平行螺纹，管用锥度螺纹，惠氏螺纹时
内外螺纹加工都相同的刀尖角 R(rε)

舍弃式快速钻头技术信息

Discard-style fast-Bit Technical Information

快速钻加工相关参数计算方法

Related to the processing parameters of shallow hole drilling method of calculation

钻头的钻入 钻头的钻入是钻孔成功的重要因素。保证良好的孔质量的方法之一是保证工件的钻入表面与钻头的中心轴垂直。此外，可转位浅孔钻还可以通过调整进给，来加工凸的、凹的、倾斜的和不规则的钻入表面。

Drill drill into Drill drill into is an important factor in the success of drilling. To ensure good quality of the hole one of the ways is to ensure that the workpiece surface and drill drill into the center of the vertical axis. In addition, indexable drill shallow holes can also adjust the feed, to process convex, concave, and sloping and irregular drill into the surface.

加工表面情况 Surface conditions	应对措施 Response
	对于凸的表面，其加工条件相对较好，并且钻心能理想地首先与工件接触，因而可采用正常进给。
	被钻削的零件表面为倾斜表面，切削刃受到不均匀的负荷会使切削刃过早的磨损。如果倾斜表面的角度超过2°，进给应减小到推荐值的1/3。
	在钻入凹的表面时，通常会造造成钻头轴心偏离中心，对于这种情况进给应减小到推荐值的1/3。
	在钻入不对称的曲面时，由于是钻入倾斜表面，所以钻头可能会偏离中心，此时进给的选择比钻入凹表面时应更小。
	在钻入不规则表面时，会出现刀片崩刃的危险，在开始钻削时必须减小进给量，同时在钻头钻通时也可能出现这种情况，因此也必须减小进给。

※一般注意事项:

- ◇强烈推荐使用高压中心内冷方式切削，内冷切削可以最大限度的发挥钻头的切削效能，有效避免切屑的堆积、刀片的破损和以及已加工内表面的破坏，保证加工的可靠性。
- ◇使用外冷方式钻削，钻深不要超过1.5D；必须钻深时，推荐采用啄钻方式加工。
- ◇为达最佳钻削效果：
 1. 检测刀具刚性；
 2. 尽量减少刀具与主轴轴线偏差；
 3. 采用推荐的切削方式；
- ◇钻深2D或3D时冷却液压力最小4kg/cm²，钻深4D时冷却液压力最小5kg/cm²以上。
- ◇加工孔径公差：通常情况下钻深为2D/3D时为0/+0.25；4D时为0/+0.40，但会随机床和加工条件不同而变化。
- ◇避免在超过6°的斜面、中凹面、凹凸不平面上开始钻孔，这样很容易使钻头偏离中心或使钻头崩刃，如果必须这样做时进给量必须减小到推荐值的1/3。
- ◇如果零件上已有预钻孔，则该孔的孔径不得超过成品尺寸的1/4，否则会引偏钻头。
- ◇钻削有相贯孔的零件与多层叠加在一起的板材时进给量必须减小到推荐值的1/3左右。

※车床使用注意事项(钻头不旋转):

- ◇确保刀具轴线与主轴同心度小于0.03mm，必要时需要进行适当校正。
- ◇钻头的安装应使周边刀片的表面平行于机床X轴的运动方向，并使周边刀片靠刀塔外侧安装。
- ◇保证上述条件满足，沿机床X轴方向移动刀具轴线，可获得不同钻孔直径。
- ◇如果加工公差没有达到要求，请按上述项目逐项检查并适当调整切削参数，改善冷却条件。
- ◇请注意如果您的CNC车床有过撞机的经历，则很难保证刀具轴线与主轴同心的要求。
- ◇警告：钻穿工件时，工件底面将高速飞出一圆盘状废料，必须采取适当防护措施以保证安全。

切削速度 (Vc)

$$Vc = \frac{Dc \times \pi \times n}{1000}$$

Vc(m/min): 切削速度
Dc(mm): 钻头直径
N(rev/min): 转速

实例

主轴转速为1600rev/min，钻头直径为Φ20mm，其切削速度为：

$$Vc = \frac{Dc \times \pi \times n}{1000} = \frac{20 \times 3.14 \times 1600}{1000} = 100 \text{ (m/min)}$$

进给速度

$$Vf = fr \times n$$

Vf(mm/min): 进给速度
Fr(mm/rev): 每转进给量
N(rev/min): 主轴转速

实例

主轴转速为1500rev/min，每转进给量为0.1mm/rev，其进给速度为：

$$Vf = fr \times n = 0.1 \times 1500 = 150 \text{ (mm/min)}$$

孔加工时间

$$Tc = \frac{Ld \times i}{n \times f}$$

Tc(min): 加工时间 Fr(mm/rev): 每转进给量 i: 孔数量
Ld(mm): 钻孔深 N(rev/min): 主轴转速

实例

钻一个直径为Φ20mm，深为40mm的孔，切削速度为100m/min，每转进给量为0.1mm/rev，求钻削时间。

$$n = \frac{Vc \times 1000}{Dc \times \pi} = \frac{100 \times 1000}{20 \times 3.14} = 1600 \text{ (rev/min)}$$

$$Tc = \frac{Ld \times i}{n \times f} = \frac{40 \times 1}{1600 \times 0.1} = 0.25 \text{ (min)}$$

金属去除率

$$Q = \frac{Vf \times \pi \times Dc^2}{4 \times 1000}$$

Q(cm³/min): 金属去除率
Dc(mm): 钻头直径
Vf(mm/min): 进给速度

实例

一个直径为Φ20mm的钻头，加工时的进给速度为160mm/rev，其金属去除率为：

$$Q = \frac{Vf \times \pi \times Dc^2}{4 \times 1000} = \frac{160 \times 3.14 \times 20^2}{4 \times 1000} = 50.24 \text{ (cm}^3/\text{min)}$$

快速钻头的推荐加工条件

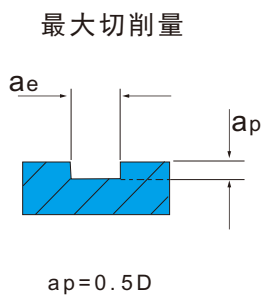
Recommended cutting conditions

材料 Material	切削速度 (m/min) Cutting speed (m/min)	进给 (mm/rev) Feed (mm/rev)						
		Ø14-Ø22	Ø23-Ø29	Ø30-Ø36	Ø37-Ø43	Ø44-Ø50	Ø51-Ø54	Ø60-Ø70
低碳钢 (~0.3%C) Low alloy steel	180-250	0.05~0.08	0.06~0.10	0.06~0.12	0.07~0.13	0.08~0.15	0.08~0.16	0.08~0.12
碳钢(0.3%C~) Carbon steel	160-220	0.06~0.12	0.08~0.15	0.10~0.18	0.12~0.22	0.12~0.24	0.13~0.25	0.12~0.18
低合金钢(~HRC32) Low carbon steel	150-220	0.06~0.12	0.08~0.14	0.10~0.18	0.12~0.22	0.12~0.23	0.13~0.24	0.10~0.18
高合金钢(HRC32~) High alloy steel	130-180	0.06~0.10	0.08~0.15	0.10~0.20	0.12~0.23	0.12~0.24	0.13~0.25	0.10~0.15
不锈钢 Stainless steel	170-240	0.05~0.10	0.06~0.12	0.08~0.15	0.09~0.16	0.10~0.17	0.11~0.19	0.08~0.15
铸铁 Cast Iron	180-250	0.06~0.12	0.08~0.16	0.12~0.20	0.15~0.25	0.16~0.28	0.18~0.30	0.15~0.22
球墨铸件 Ductile cast Iron	130-200	0.06~0.10	0.08~0.15	0.10~0.18	0.12~0.20	0.15~0.23	0.16~0.25	0.10~0.20
铝合金 Aluminium	330-380	0.06~0.14	0.08~0.15	0.10~0.20	0.12~0.22	0.14~0.23	0.15~0.26	0.15~0.25
钛合金 Ti6Al	30-60	0.05~0.10	0.06~0.14	0.08~0.18	0.11~0.22	0.14~0.23	0.15~0.24	0.12~0.16

- ◇初始钻削时，推荐采用中间范围切削数值，之后(根据刀具磨损情况)调整切削参数以★ Initial drilling, to recommend the use of cutting conditions in the middle range, followed by (in accordance with wear) to adjust the cutting parameter to achieve the best cutting effect.
- ◇上述切削参数，是针对2D, 3D类型而言，如对4D类型的钻削参数相应降低15%。
★ The above cutting parameters is for 3D, 4D drilling tools, the cutting parameters need to decrease 15%.
- ◇冷却方式仅采用外冷时，切削速度应降低10%。
★ Cooling mode using only cold outside, cutting speed should be reduced by 10%.
- ◇对于奥氏体不锈钢加工，必需采用内冷却方式。
★ It must adopt inner cooling mode for austenitic stainless steel machining.
- ◇在斜面上开始钻孔或零件有预钻孔及相贯孔或钻削堆叠的多层板材时，进给量须减小到推荐值的1/3左右。
★ Drilling on the slope or the parts have pre-drilling hole or intersection hole, The Drilling feedrate must decrease to 1/3 of the recommended data.

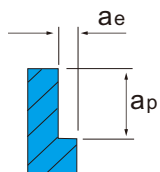
铝合金加工通用系列平底铣刀切削参数

AL General Series flat-bottomed cutter cutting parameters



被切材料 Cut material	纯铝 1070		铝合金 Cu-Mg系 2014		铝合金 Si系 4032		铝合金 Mg系 5052		铝合金 Mg-Si系 6061		铝合金 Zn-Mg系 7075		铸造铝合金 Ac85	
	转速	进给	转速	进给	转速	进给	转速	进给	转速	进给	转速	进给	转速	进给
立铣刀刀径 mm	转/分	mm/齿	转/分	mm/齿	转/分	mm/齿	转/分	mm/齿	转/分	mm/齿	转/分	mm/齿	转/分	mm/齿
D3.0	30000	0.01	25000	0.01	2500	0.02	12000	0.01	20000	0.008	25000	0.008	15000	0.011
D4.0	22000	0.015	19000	0.018	1900	0.036	9500	0.018	15000	0.015	19000	0.015	11000	0.018
D5.0	18000	0.02	15000	0.022	1500	0.045	7500	0.022	12000	0.018	15000	0.018	9000	0.022
D6.0	15000	0.022	13000	0.026	1300	0.053	6000	0.026	10000	0.021	13000	0.021	7500	0.028
D8.0	11000	0.03	9500	0.035	950	0.108	5000	0.035	7500	0.028	9500	0.028	5500	0.042
D10.0	8500	0.05	7500	0.054	750	0.134	4000	0.054	6000	0.044	7500	0.044	4500	0.05
D12.0	7500	0.054	6000	0.065	600	0.14	3000	0.065	4500	0.052	6000	0.052	3500	0.06
D16.0	5500	0.06	5000	0.07	500	0.15	2500	0.07	3800	0.06	5000	0.06	2800	0.06
D20.0	4500	0.065	4000	0.08	400	0.18	2000	0.08	3000	0.06	4000	0.06	2500	0.06

最大切削量



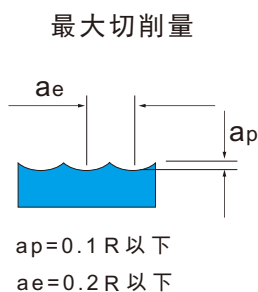
$ap = 2.5D$ 以下时, $ae = 0.1D$ 以下

被切材料 Cut material	纯铝 1070		铝合金 Cu-Mg系 2014		铝合金 Si系 4032		铝合金 Mg系 5052		铝合金 Mg-Si系 6061		铝合金 Zn-Mg系 7075		铸造铝合金 Ac85	
	转速	进给	转速	进给	转速	进给	转速	进给	转速	进给	转速	进给	转速	进给
立铣刀刀径 mm	转/分	mm/齿	转/分	mm/齿	转/分	mm/齿	转/分	mm/齿	转/分	mm/齿	转/分	mm/齿	转/分	mm/齿
D3.0	30000	0.01	25000	0.01	2500	0.02	12000	0.01	20000	0.01	25000	0.01	15000	0.01
D4.0	22000	0.015	19000	0.018	1900	0.036	9500	0.018	15000	0.018	19000	0.015	11000	0.015
D5.0	18000	0.02	15000	0.022	1500	0.045	7500	0.022	12000	0.022	15000	0.018	9000	0.018
D6.0	15000	0.022	13000	0.026	1300	0.053	6000	0.026	10000	0.026	13000	0.022	7500	0.022
D8.0	11000	0.03	9500	0.035	950	0.108	5000	0.035	7500	0.035	9500	0.03	5500	0.03
D10.0	8500	0.05	7500	0.054	750	0.134	4000	0.054	6000	0.054	7500	0.036	4500	0.036
D12.0	7500	0.054	6000	0.065	600	0.14	3000	0.065	4500	0.065	6000	0.045	3500	0.045
D16.0	5500	0.06	5000	0.07	500	0.15	2500	0.07	3800	0.07	5000	0.06	2800	0.06
D20.0	4500	0.065	4000	0.08	400	0.18	2000	0.08	3000	0.08	4000	0.065	2500	0.065

- 初次使用本刀具时, 进给速度依上述数据之50%试切削, 切削状况稳定后再将切削速度、进给量逐一调升。
请采用高精度高刚性与动态平衡较佳的夹头组, 刀具偏摆精度超过0.01mm时, 请改善后再切削。
- The first time using this tool, the feed rate according to the above figures of 50% of the test cutting, cutting in stable condition after the cutting speed, feed rate raised one by one.
Please use the high precision and high rigidity and dynamic equilibrium better chuck groups, tool runout accuracy of better than 0.01mm, please improve after cutting.

铝合金加工系列球头铣刀切削参数

AL Series of ball-end mill cutting parameters



被切材料 Cut material	纯铝 1070		铝合金 2014 7075		纯铝 4032		铝合金 5052 Ac85		纯铝 6061		纯铝 C1100	
	转速	进给	转速	进给	转速	进给	转速	进给	转速	进给	转速	进给
立铣刀刀径 mm	转/分	mm/齿	转/分	mm/齿	转/分	mm/齿	转/分	mm/齿	转/分	mm/齿	转/分	mm/齿
R1.0	50000	0.04	40000	0.04	4000	0.04	20000	0.04	32000	0.04	50000	0.03
R2.0	25000	0.08	20000	0.08	2000	0.08	10000	0.08	16000	0.08	25000	0.06
R2.5	20000	0.10	16000	0.10	1600	0.10	8000	0.10	12800	0.10	20000	0.08
R3.0	16000	0.12	13200	0.12	1320	0.12	6600	0.12	10500	0.12	16000	0.10
R4.0	12000	0.16	10000	0.16	1000	0.16	5000	0.16	8000	0.16	12000	0.12
R5.0	10000	0.19	8000	0.19	800	0.19	4000	0.19	6400	0.19	10000	0.15
R6.0	8000	0.24	6600	0.24	660	0.24	3300	0.24	4800	0.24	8000	0.18

- 初次使用本刀具时, 进给速度依上述数据之50%试切削, 切削状况稳定后再将切削速度、进给量逐一调升。
请采用高精度高刚性与动态平衡较佳的夹头组, 刀具偏摆精度超过0.01mm时, 请改善后再切削。
- The first time using this tool, the feed rate according to the above figures of 50% of the test cutting, cutting in stable condition after the cutting speed, feed rate raised one by one.
Please use the high precision and high rigidity and dynamic equilibrium better chuck groups, tool runout accuracy of better than 0.01mm, please improve after cutting.

CBN

PCD

立装
螺纹

切槽
加工

通用
螺纹

钻孔

通用
铣削

铣削
对策

钻铣
加工

粗铣
加工

T型
槽
加工

直角
台肩

快
进
给
铣
刀

圆鼻
铣刀

球刀

技术
标准

技术
资料

HRC50通用系列平底铣刀切削参数

HRC50 General Series flat-bottomed cutter cutting parameters

HRC50通用系列球头铣刀切削参数

HRC50 General Series ball-end mill cutting parameters

CBN

PCD

立装
螺纹

切槽
加工

通用
螺纹

钻孔

通用
铣削

铣削
对策

钻铣
加工

粗铣
加工

T型
槽加工

直角
台肩

快进
给铣刀

圆鼻
铣刀

球刀

技术
标准

技术
资料

被切材料 Cut material	碳素钢、合金钢 工具钢、模具钢 Carbon steel, alloy steel Tool steel, die steel		合金钢、工具钢、不锈钢 模具钢、热处理钢 Alloy steel, tool steel, stainless steel Die steel, heat treated steel		合金钢、工具钢、不锈钢 模具钢、热处理钢 Alloy steel, tool steel, stainless steel Die steel, heat treated steel		热处理钢 钛合金 Heat treated steel Titanium alloy		热处理钢 钛合金、镍基合金 Heat treated steel Heat resistant alloy, nickel based alloy	
	HRC30度以下		HRC30-35度		HRC35-40度		HRC40-45度		HRC45-50度	
被切材料硬度 Cut material hardness	转速	进给	转速	进给	转速	进给	转速	进给	转速	进给
	转/分	mm/齿	转/分	mm/齿	转/分	mm/齿	转/分	mm/齿	转/分	mm/齿
立铣刀刀径 mm	转/分	进给 mm/齿	转/分	进给 mm/齿	转/分	进给 mm/齿	转/分	进给 mm/齿	转/分	进给 mm/齿
D1.0	20000	0.002	12500	0.002	11500	0.002	10000	0.002	4200	0.002
D2.0	12500	0.005	7500	0.005	6700	0.005	6000	0.005	2500	0.005
D3.0	9600	0.008	5900	0.008	5200	0.008	5000	0.008	2000	0.008
D4.0	8300	0.013	5000	0.013	4500	0.013	3900	0.013	1700	0.013
D5.0	7400	0.018	4500	0.018	4100	0.018	3600	0.018	1500	0.018
D6.0	6900	0.024	4200	0.024	3800	0.024	3300	0.024	1400	0.024
D8.0	5200	0.032	3200	0.032	2900	0.032	2500	0.032	1100	0.032
D10.0	4200	0.04	2500	0.04	2300	0.04	2000	0.04	900	0.04
D12.0	3400	0.05	2100	0.05	1900	0.05	1700	0.05	700	0.05
D16.0	2600	0.05	1600	0.05	1500	0.05	1300	0.05	550	0.05
D18.0	2300	0.05	1450	0.05	1300	0.05	1200	0.05	500	0.05
D20.0	2100	0.05	1250	0.05	1200	0.05	1000	0.05	450	0.05



立铣刀刀径 mm	转速	进给	转速	进给	转速	进给	转速	进给	转速	进给
	转/分	mm/齿	转/分	mm/齿	转/分	mm/齿	转/分	mm/齿	转/分	mm/齿
D1.0	20000	0.0025	12500	0.0025	11500	0.0025	10000	0.0025	4200	0.0025
D2.0	12500	0.006	7500	0.006	6700	0.006	6000	0.006	2500	0.006
D3.0	9600	0.01	5900	0.01	5200	0.01	5000	0.01	2000	0.01
D4.0	8300	0.016	5000	0.016	4500	0.016	3900	0.016	1700	0.016
D5.0	7400	0.022	4500	0.022	4100	0.022	3600	0.022	1500	0.022
D6.0	6900	0.03	4200	0.03	3800	0.03	3300	0.03	1400	0.03
D8.0	5200	0.04	3200	0.04	2900	0.04	2500	0.04	1100	0.04
D10.0	4200	0.05	2500	0.05	2300	0.05	2000	0.05	900	0.05
D12.0	3400	0.06	2100	0.06	1900	0.06	1700	0.06	700	0.06
D16.0	2600	0.06	1600	0.06	1500	0.06	1300	0.06	550	0.06
D18.0	2300	0.06	1450	0.06	1300	0.06	1200	0.06	500	0.06
D20.0	2100	0.06	1250	0.06	1200	0.06	1000	0.06	450	0.06

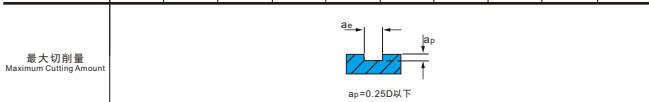


- 初次使用本刀具时, 进给速度依据上述数据之50%试切削, 切削况稳定后再将切削速度、进给量逐一调升。请采用高精度高刚性及动态平衡较佳的夹头组, 刀具偏摆精度超过0.01mm时, 请改善后再切削。
- The first time using this tool, the feed rate according to the above figures of 50% of the test cutting, cutting in stable condition after the cutting speed, feed rate raised one by one. Please use the high precision and high rigidity and dynamic equilibrium better chuck groups, tool runout accuracy of better than 0.01mm, please improve after cutting.

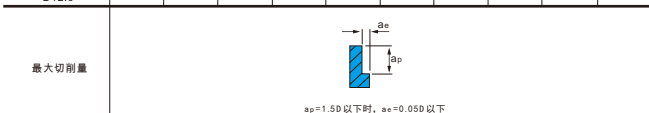
HRC50通用系列圆鼻铣刀切削参数

HRC50 General Series Round nose cutter cutting parameters

被切材料 Cut material	碳素钢、合金钢 工具钢、模具钢 Carbon steel, alloy steel Tool steel, die steel		合金钢、工具钢、不锈钢 模具钢、热处理钢 Alloy steel, tool steel, stainless steel Die steel, heat treated steel		合金钢、工具钢、不锈钢 模具钢、热处理钢 Alloy steel, tool steel, stainless steel Die steel, heat treated steel		热处理钢 钛合金 Heat treated steel Titanium alloy		热处理钢 钛合金、镍基合金 Heat treated steel Heat resistant alloy, nickel based alloy	
	HRC30度以下		HRC30-35度		HRC35-40度		HRC40-45度		HRC45-50度	
被切材料硬度 Cut material hardness	转速	进给	转速	进给	转速	进给	转速	进给	转速	进给
	转/分	mm/齿	转/分	mm/齿	转/分	mm/齿	转/分	mm/齿	转/分	mm/齿
立铣刀刀径 mm	转/分	进给 mm/齿	转/分	进给 mm/齿	转/分	进给 mm/齿	转/分	进给 mm/齿	转/分	进给 mm/齿
D1.0	20000	0.002	12500	0.002	11500	0.002	10000	0.002	4200	0.002
D2.0	12500	0.005	7500	0.005	6700	0.005	6000	0.005	2500	0.005
D3.0	9600	0.008	5900	0.008	5200	0.008	5000	0.008	2000	0.008
D4.0	8300	0.012	5000	0.012	4500	0.012	3900	0.012	1700	0.012
D5.0	7400	0.018	4500	0.018	4100	0.018	3600	0.018	1500	0.018
D6.0	6900	0.024	4200	0.024	3800	0.024	3300	0.024	1400	0.024
D8.0	5200	0.032	3200	0.032	2900	0.032	2500	0.032	1100	0.032
D10.0	4200	0.04	2500	0.04	2300	0.04	2000	0.04	900	0.04
D12.0	3400	0.048	2100	0.048	1900	0.048	1700	0.048	700	0.048

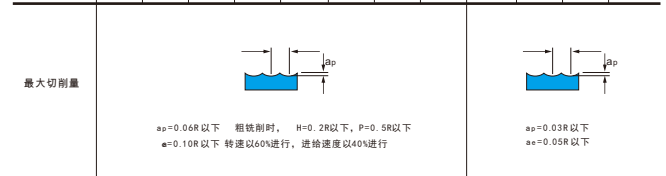


立铣刀刀径 mm	转速	进给	转速	进给	转速	进给	转速	进给	转速	进给
	转/分	mm/齿	转/分	mm/齿	转/分	mm/齿	转/分	mm/齿	转/分	mm/齿
D1.0	20000	0.0025	12500	0.0025	11500	0.0025	10000	0.0025	4200	0.0025
D2.0	12500	0.006	7500	0.006	6700	0.006	6000	0.006	2500	0.006
D3.0	9600	0.01	5900	0.01	5200	0.01	5000	0.01	2000	0.01
D4.0	8300	0.016	5000	0.016	4500	0.016	3900	0.016	1700	0.016
D5.0	7400	0.022	4500	0.022	4100	0.022	3600	0.022	1500	0.022
D6.0	6900	0.03	4200	0.03	3800	0.03	3300	0.03	1400	0.03
D8.0	5200	0.04	3200	0.04	2900	0.04	2500	0.04	1100	0.04
D10.0	4200	0.05	2500	0.05	2300	0.05	2000	0.05	900	0.05
D12.0	3400	0.06	2100	0.06	1900	0.06	1700	0.06	700	0.06



- 初次使用本刀具时, 进给速度依据上述数据之50%试切削, 切削况稳定后再将切削速度、进给量逐一调升。请采用高精度高刚性及动态平衡较佳的夹头组, 刀具偏摆精度超过0.01mm时, 请改善后再切削。
- The first time using this tool, the feed rate according to the above figures of 50% of the test cutting, cutting in stable condition after the cutting speed, feed rate raised one by one. Please use the high precision and high rigidity and dynamic equilibrium better chuck groups, tool runout accuracy of better than 0.01mm, please improve after cutting.

被切材料 Cut material	碳素钢、合金钢、工具钢 Carbon Steel, Alloy Steel, Tool Steel				合金钢、工具钢、不锈钢、热处理钢 Alloy steel, tool steel, stainless steel, heat treated steel				热处理钢 Heat Treated Steel			
	HRC30度以下				HRC30-45度				HRC40-50度			
被切材料硬度 Cut material hardness	等高切削		曲面切削		等高切削		曲面切削		等高切削		曲面切削	
	转速	进给	转速	进给	转速	进给	转速	进给	转速	进给	转速	进给
立铣刀刀径 mm	转/分	mm/齿	转/分	mm/齿	转/分	mm/齿	转/分	mm/齿	转/分	mm/齿	转/分	mm/齿
	D0.5	45000	0.01	31000	0.01	35700	0.008	25000	0.008	19000	0.006	13000
D1.0	22000	0.02	15500	0.02	17800	0.016	12500	0.016	9500	0.011	6600	0.011
D1.5	15000	0.03	10600	0.03	12100	0.024	8500	0.024	6400	0.016	4500	0.016
D2.0	11400	0.04	8000	0.04	9100	0.032	6400	0.032	4800	0.028	3400	0.028
D2.5	9100	0.05	6400	0.05	7100	0.04	5000	0.04	3800	0.038	2700	0.038
D3.0	7600	0.06	5300	0.06	6000	0.056	4200	0.056	3200	0.047	2200	0.047
D4.0	5700	0.1	4000	0.1	4600	0.086	3200	0.086	2300	0.07	1600	0.07
D5.0	4600	0.12	3200	0.12	3600	0.1	2500	0.1	1900	0.087	1300	0.087
D6.0	3900	0.13	2700	0.13	3000	0.12	2100	0.12	1600	0.097	1100	0.097
D8.0	2900	0.16	2000	0.16	2300	0.146	1600	0.146	1100	0.12	770	0.12
D10.0	2300	0.18	1600	0.18	1900	0.17	1300	0.17	950	0.13	660	0.13



- 初次使用本刀具时, 进给速度依据上述数据之50%试切削, 切削况稳定后再将切削速度、进给量逐一调升。请采用高精度高刚性及动态平衡较佳的夹头组, 刀具偏摆精度超过0.01mm时, 请改善后再切削。
- The first time using this tool, the feed rate according to the above figures of 50% of the test cutting, cutting in stable condition after the cutting speed, feed rate raised one by one. Please use the high precision and high rigidity and dynamic equilibrium better chuck groups, tool runout accuracy of better than 0.01mm, please improve after cutting.

推荐切削参数

Recommended Cutting Parameters

HRC60系列平底铣刀切削参数

HRC60 Series of flat-bottomed cutter cutting parameters

被切材料 Cut material	碳素钢、合金钢 工具钢、模具钢 Carbon steel, alloy steel Tool steel, die steel		合金钢、工具钢、 模具钢、热处理钢 Alloy steel, tool steel Die steel, heat treated steel		合金钢、工具钢、不锈钢 模具钢、热处理钢 Alloy steel, tool steel, stainless steel Die steel, heat treated steel		热处理钢 钛合金 Heat treated steel Titanium alloy		耐热合金、镍基合金 Heat resistant alloy, nickel based alloy	
	HRC30度以下		HRC30-35度		HRC35-40度		HRC40-50度		HRC50-65度	
立铣刀直径 mm	转速	进给	转速	进给	转速	进给	转速	进给	转速	进给
	转/分	mm/齿	转/分	mm/齿	转/分	mm/齿	转/分	mm/齿	转/分	mm/齿
D1.0	20000	0.002	12500	0.002	11500	0.002	10000	0.002	4200	0.002
D2.0	12500	0.005	7500	0.005	6700	0.005	6000	0.005	2500	0.005
D3.0	9600	0.008	5900	0.008	5200	0.008	5000	0.008	2000	0.008
D4.0	8300	0.013	5000	0.013	4500	0.013	3900	0.013	1700	0.013
D5.0	7400	0.018	4500	0.018	4100	0.018	3600	0.018	1500	0.018
D6.0	6900	0.024	4200	0.024	3800	0.024	3300	0.024	1400	0.024
D8.0	5200	0.032	3200	0.032	2900	0.032	2500	0.032	1100	0.032
D10.0	4200	0.04	2500	0.04	2300	0.04	2000	0.04	900	0.04
D12.0	3400	0.05	2100	0.05	1900	0.05	1700	0.05	700	0.05
D16.0	2600	0.05	1600	0.05	1500	0.05	1300	0.05	550	0.05
D20.0	2100	0.05	1250	0.05	1200	0.05	1000	0.05	450	0.05

$ae=3.0\text{mm}$ 以下时, $ap=0.15D$ 以下
 $ae=3.0\text{mm}$ 以上时, $ap=0.25D$ 以下

$ae=3.0\text{mm}$ 以下时, $ap=0.02D$ 以下
 $ae=3.0\text{mm}$ 以上时, $ap=0.05D$ 以下

立铣刀直径 mm	转速	进给	转速	进给	转速	进给	转速	进给	转速	进给
	转/分	mm/齿	转/分	mm/齿	转/分	mm/齿	转/分	mm/齿	转/分	mm/齿
D1.0	20000	0.0025	12500	0.0025	11500	0.0025	10000	0.0025	4200	0.0025
D2.0	12500	0.006	7500	0.006	6700	0.006	6000	0.006	2500	0.006
D3.0	9600	0.01	5900	0.01	5200	0.01	5000	0.01	2000	0.01
D4.0	8300	0.016	5000	0.016	4500	0.016	3900	0.016	1700	0.016
D5.0	7400	0.022	4500	0.022	4100	0.022	3600	0.022	1500	0.022
D6.0	6900	0.03	4200	0.03	3800	0.03	3300	0.03	1400	0.03
D8.0	5200	0.04	3200	0.04	2900	0.04	2500	0.04	1100	0.04
D10.0	4200	0.05	2500	0.05	2300	0.05	2000	0.05	900	0.05
D12.0	3400	0.06	2100	0.06	1900	0.06	1700	0.06	700	0.06
D16.0	2600	0.06	1600	0.06	1500	0.06	1300	0.06	550	0.06
D20.0	2100	0.06	1250	0.06	1200	0.06	1000	0.06	450	0.06

$ap=1.5D$ 以下时, $ae=0.05D$ 以下

$ap=1D$ 以下时, $ae=0.02D$ 以下

- 初次使用本刀具时, 进给速度依上述数据之50%试切削, 切削状况稳定后再将切削速度、进给量逐一调升。
请采用高精度高刚性与动态平衡较佳的夹头组, 刀具偏摆精度超过0.01mm时, 请改善后再切削。
- The first time using this tool, the feed rate according to the above figures of 50% of the test cutting, cutting in stable condition after the cutting speed, feed rate raised one by one. Please use the high precision and high rigidity and dynamic equilibrium better chuck groups, tool runout accuracy of better than 0.01mm, please improve after cutting.

HRC60系列圆鼻铣刀切削参数

HRC60 Series of round nose cutter cutting parameters

被切材料 Cut material	碳素钢、合金钢 工具钢、模具钢 Carbon steel, alloy steel Tool steel, die steel		合金钢、工具钢、 模具钢、热处理钢 Alloy steel, tool steel Die steel, heat treated steel		合金钢、工具钢、不锈钢 模具钢、热处理钢 Alloy steel, tool steel, stainless steel Die steel, heat treated steel		热处理钢 钛合金 Heat treated steel Titanium alloy		耐热合金、镍基合金 Heat resistant alloy, nickel based alloy	
	HRC30度以下		HRC30-35度		HRC35-40度		HRC40-50度		HRC50-65度	
立铣刀直径 mm	转速	进给	转速	进给	转速	进给	转速	进给	转速	进给
	转/分	mm/齿	转/分	mm/齿	转/分	mm/齿	转/分	mm/齿	转/分	mm/齿
D1.0	20000	0.002	12500	0.002	11500	0.002	10000	0.002	4200	0.002
D2.0	12500	0.005	7500	0.005	6700	0.005	6000	0.005	2500	0.005
D3.0	9600	0.008	5900	0.008	5200	0.008	5000	0.008	2000	0.008
D4.0	8300	0.012	5000	0.012	4500	0.012	3900	0.012	1700	0.012
D5.0	7400	0.018	4500	0.018	4100	0.018	3600	0.018	1500	0.018
D6.0	6900	0.024	4200	0.024	3800	0.024	3300	0.024	1400	0.024
D8.0	5200	0.032	3200	0.032	2900	0.032	2500	0.032	1100	0.032
D10.0	4200	0.04	2500	0.04	2300	0.04	2000	0.04	900	0.04
D12.0	3400	0.048	2100	0.048	1900	0.048	1700	0.048	700	0.048

$ap=0.25D$ 以下 $ae=0.1D$ 以下, 进给可以双倍

$ap=0.1D$ 以下

立铣刀直径 mm	转速	进给	转速	进给	转速	进给	转速	进给	转速	进给
	转/分	mm/齿	转/分	mm/齿	转/分	mm/齿	转/分	mm/齿	转/分	mm/齿
D1.0	20000	0.0025	12500	0.0025	11500	0.0025	10000	0.0025	4200	0.0025
D2.0	12500	0.006	7500	0.006	6700	0.006	6000	0.006	2500	0.006
D3.0	9600	0.01	5900	0.01	5200	0.01	5000	0.01	2000	0.01
D4.0	8300	0.016	5000	0.016	4500	0.016	3900	0.016	1700	0.016
D5.0	7400	0.022	4500	0.022	4100	0.022	3600	0.022	1500	0.022
D6.0	6900	0.03	4200	0.03	3800	0.03	3300	0.03	1400	0.03
D8.0	5200	0.04	3200	0.04	2900	0.04	2500	0.04	1100	0.04
D10.0	4200	0.05	2500	0.05	2300	0.05	2000	0.05	900	0.05
D12.0	3400	0.06	2100	0.06	1900	0.06	1700	0.06	700	0.06

$ap=1.0D$ 以下时, $ae=0.05D$ 以下 $ap=1.0D$ 以下时, $ae=0.025D$ 以下, 进给可以双倍

- 初次使用本刀具时, 进给速度依上述数据之50%试切削, 切削状况稳定后再将切削速度、进给量逐一调升。
请采用高精度高刚性与动态平衡较佳的夹头组, 刀具偏摆精度超过0.01mm时, 请改善后再切削。
- The First Time Using This Tool, The Feed Rate According To The Above Figures Of 50% Of The Test Cutting, Cutting In Stable Condition After The Cutting Speed, Feed Rate Raised One By One. Please use the high precision and high rigidity and dynamic equilibrium better chuck groups, tool runout accuracy of better than 0.01mm, please improve after cutting.

HRC60系列球头铣刀切削参数

HRC60 Series of ball-end mill cutting parameters

被切材料 Cut material	碳素钢、合金钢、工具钢 Carbon Steel, Alloy Steel, Tool Steel				合金钢、工具钢、不锈钢、热处理钢 Alloy steel, tool steel, stainless steel, heat treated steel				热处理钢 Heat Treated Steel			
	HRC30度以下		HRC30-45度		HRC30-45度		HRC40-65度		HRC30-45度		HRC40-65度	
立铣刀直径 mm	等高切削		曲面切削		等高切削		曲面切削		等高切削		曲面切削	
	转速	进给	转速	进给	转速	进给	转速	进给	转速	进给	转速	进给
D0.5	50000	0.022	35000	0.022	50000	0.02	35000	0.02	32000	0.018	22400	0.018
D1.0	25000	0.044	17500	0.044	24500	0.04	17000	0.04	17000	0.035	11900	0.035
D1.5	16500	0.066	11600	0.066	16000	0.062	11200	0.062	11500	0.052	8000	0.052
D2.0	15500	0.09	10800	0.09	15000	0.072	10500	0.072	11000	0.068	7700	0.068
D2.5	15000	0.11	10500	0.11	14000	0.082	9800	0.082	10000	0.084	7000	0.084
D3.0	13500	0.125	9500	0.125	11500	0.095	8000	0.095	9500	0.095	6600	0.095
D4.0	10000	0.125	7000	0.125	9000	0.095	6300	0.095	7100	0.095	5000	0.095
D5.0	8200	0.125	5700	0.125	7200	0.095	5000	0.095	5700	0.095	4000	0.095
D6.0	6800	0.125	4700	0.125	6000	0.095	4200	0.095	4800	0.095	3300	0.095
D8.0	5100	0.125	3600	0.125	4500	0.095	3200	0.095	3600	0.095	2500	0.095
D10.0	4100	0.125	2900	0.125	3600	0.095	2500	0.095	2900	0.095	2000	0.095

$ap=0.03R$ 以下
 $ae=0.05R$ 以下

$ap=0.015R$ 以下
 $ae=0.025R$ 以下

- 初次使用本刀具时, 进给速度依上述数据之50%试切削, 切削状况稳定后再将切削速度、进给量逐一调升。
请采用高精度高刚性与动态平衡较佳的夹头组, 刀具偏摆精度超过0.01mm时, 请改善后再切削。
- The first time using this tool, the feed rate according to the above figures of 50% of the test cutting, cutting in stable condition after the cutting speed, feed rate raised one by one. Please use the high precision and high rigidity and dynamic equilibrium better chuck groups, tool runout accuracy of better than 0.01mm, please improve after cutting.

CBN

PCD

立装
螺纹

切槽
加工

通用
螺纹

钻孔

通用
铣削

铣削
对策

钻削
加工

粗铣
加工

T型
槽加工

直角
台肩

快
进给
铣刀

圆鼻
铣刀

球刀

技术
标准

技术
资料

铣削加工切削条件的选择方法

How to select cutting conditions for milling

● 切削速度 (Vc) Cutting Speed

$$Vc = \frac{\pi \times D \times n}{1000} \text{ (m/min)}$$

Vc: 切削速度 m/min cutting speed
D: 刀径 mm cutter diameter

转速 (n) Revolution

$$n = \frac{1000 \times Vc}{\pi \times D} \text{ (min}^{-1}\text{)}$$

n: 转速 min⁻¹ RPM
π: 圆周率 3.1416 Circumference ratio

● 进给速度 (Vf) Feed rate

$$Vf = fz \times Z \times n \text{ (mm/min)}$$

Vf: 进给速度 m/min Feed rate
Z: 刃数 Number of flutes

每刃进给 (fz) Feed rate per tooth

$$fz = \frac{Vf}{Z \times n} \text{ (mm/tooth)}$$

fz: 每刃进给 mm/tooth feed per tooth

● 加工时间 (Tc)

$$Tc = \frac{L}{Vf} \text{ (min)}$$

Tc: 加工时间 min cutting time
Vf: 每分钟的工作台进给速 Feed rate per minute of table
L: 转工作台总进给长度 (工件长度+铣刀直径) mm Overall table feed length (workpiece length+grinder dia.)

● 切削重力 (Ne) Feed rate

$$Ne = \frac{ap \times ae \times Vf \times Ks}{60 \times 10^3 \times \eta} \text{ (KW)}$$

Ne: 切削动力 kw Cutting power (horsepower)
ap: 切削深度 mm Cutting depth
ae: 切削宽度 mm Cutting width
Vf: 进给速度 mm/min Feed rate
Ks: 比切削阻力 kg/mm² Relative cutting resistance
η: 机械效率 (0.6~0.8) Mechanical efficiency

(参照下表 Refer to table below)

KS(比切削阻力) Specific cutting resistance

工件材料 Work materials	被拉伸强度 (N/m ²)及硬度 Tensile strength (N/m ²) or hardness	对于每刃进给的比切削阻力 (N/mm ²) ks ks: Specific cutting resistance (N/mm ²) for feed tooth				
		0.1mm /tooth	0.2mm /tooth	0.3mm /tooth	0.4mm /tooth	0.6mm /tooth
软钢 Mild steels	520	2200	1950	1820	1700	1580
中碳钢 Medium steels	620	1980	1800	1730	1600	1570
硬钢 Hard steels	720	2520	2200	2040	1850	1740
工具钢 Tool steels	670 770	1980 2030	1800 1800	1730 1750	1700 1700	1600 1580
铬锰钢 Chrome molybdenum steels	770 630	2300 2750	2000 2300	1880 2060	1750 1800	1660 1780
铬钼钢 Chrome molybdenum steels	730 600	24540 2180	2250 2000	2140 1860	2000 1800	1800 1670
镍铬钼钢 Nickel chrome molybdenum steels	940 352HB	2000 2100	1800 1800	1680 1760	1600 1700	1500 1530
铸钢 Cast steels	520	2800	2500	2320	2200	2040
硬质铸钢 Hard cast steels	46HRC	3000	2700	2500	2400	2200
米汉纳铸钢 Meehanite cast steels	360	2180	2000	1750	1600	1470
灰铸铁 Gray cast steels	200HB	1750	1400	1240	1050	970
黄铜 Yellow copper	500	1150	950	800	700	630
轻合金 (Al-Mg) Light alloy (Al-Mg)	160	580	480	400	350	320
轻合金 (Al-Si) Light alloy (Al-Si)	200	700	600	490	450	390

铣削加工时的故障及其原因、对策

Cutting condition formula (milling) and trouble shooting

故障项目 Troubles	刀片材料 Insert Grade			刀具形状 Tool Shape							切削条件 Cutting Condition						
	使用韧性高的材料 Use Tough Grade	使用耐磨性高的材料 Use Abrasion Resistant Grade	使用金属陶瓷 Use Cermet Material	使用涂层材料 Use coated Grade	改变刃磨量 Change The Honing	改变前角 Change Rake	改变后角 Change Relief Angle	加厚刀片 Make Insert Thicker	加大R角 Increase Corner R	使用精密级刀片 Use Precision Class Inserts	改变刃数 Change of Different Flute Number	安装修刀刃 Attach Flat Drag	改变切削速度 Change Cutting Speed	改变进给量 Change The Feed Rate	改变切削深度 Change Cut-In Amount	使用切削液 Splash Cutting Fluid	减小接触角 Reduce The Engage Angle
后隙面磨损 (侧面) Abraded Relief Surface (Fland)	○			○	●	●	●	●	●				●				
前刀面磨损 (月牙洼) Abraded Rake Surface (Crater)	●	●	●	●	●								●	●	●	●	
冲击性崩裂 Shoch Chipping	○				○	●	●	●	●					●			●
熔着性崩裂 Welding Chipping	●	●	○	●	●	●							○			○	
热裂 Thermal Crack	●							●					●				▼
精加工面 Finish Surface		○			●	●	●		○			○	●	●	●	○	
颤动 Chattering Vibration					●	●	●						●	●	●		
精刃带缺损·毛刺 Edge Chipping Burr					●	●	●	●					●	●	●		●

<对策>
< Countermeasures >

- : 效果好 Very Effective
- : 有效果 Effective
- ▼: 效果相反 Not Effective
- ↑: 增加、增大 Increase, Make it Large
- ↓: 减少、减小 Reduce, Make it Small

钻铣加工
粗铣加工
T型槽加工
直角台肩
快进给铣刀
圆鼻铣刀
球刀
技术标准
技术资料

推荐切削参数

Recommended Cutting Parameters

超级纵横ASJ型

<肩切削> Side milling

工件材料 Work	刀片材料 Grade	切削材料 Cutting Speed m/min	使用机床 Spindle of Machine	每刃进给量 Feed rate mm/t	φ16			φ20			φ25			φ32			φ35			φ40			φ50		
					转速 Min ⁻¹	进给速度 mm/min	切削排出量 Cm ³ /min	转速 Min ⁻¹	进给速度 mm/min	切削排出量 Cm ³ /min	转速 Min ⁻¹	进给速度 mm/min	切削排出量 Cm ³ /min	转速 Min ⁻¹	进给速度 mm/min	切削排出量 Cm ³ /min	转速 Min ⁻¹	进给速度 mm/min	切削排出量 Cm ³ /min	转速 Min ⁻¹	进给速度 mm/min	切削排出量 Cm ³ /min	转速 Min ⁻¹	进给速度 mm/min	切削排出量 Cm ³ /min
普通结构用钢 Mild Steels (200HB以下)	ZP152	150-220	BT40	0.1-0.25	4,380	1000	14.4	3,500	1050	18.9	2,800	840	18.9	2,190	660	19	2,000	600	18.9	1,750	525	18.9	1,400	420	18.9
					Vc=220m/min fz=0.15mm/t ap=3mm ae=0.3Dc			Vc=220m/min fz=0.15mm/t ap=3mm ae=0.3Dc			Vc=220m/min fz=0.15mm/t ap=3mm ae=0.3Dc			Vc=220m/min fz=0.15mm/t ap=3mm ae=0.3Dc			Vc=220m/min fz=0.15mm/t ap=3mm ae=0.3Dc			Vc=220m/min fz=0.15mm/t ap=3mm ae=0.3Dc			Vc=220m/min fz=0.15mm/t ap=3mm ae=0.3Dc		
					3,980	900	21.6	3,180	1270	38.1	2,550	1020	38.3	1,990	800	38.4	1,820	730	38.3	1,590	640	38.4	1,270	510	38.3
					Vc=200m/min fz=0.15mm/t ap=3mm ae=0.3Dc			Vc=200m/min fz=0.15mm/t ap=3mm ae=0.3Dc			Vc=200m/min fz=0.15mm/t ap=3mm ae=0.3Dc			Vc=200m/min fz=0.15mm/t ap=3mm ae=0.3Dc			Vc=200m/min fz=0.15mm/t ap=3mm ae=0.3Dc			Vc=200m/min fz=0.15mm/t ap=3mm ae=0.3Dc			Vc=200m/min fz=0.15mm/t ap=3mm ae=0.3Dc		
碳素钢、合金钢 Carbon Steels Alloy Steels (30HRC以下)	ZP152	120-200	BT40	0.1-0.25	3,980	900	13	3,180	955	17.2	2,550	765	17.2	1,990	600	17.3	1,820	550	17.3	1,590	480	17.3	1,270	380	17.1
					Vc=200m/min fz=0.15mm/t ap=3mm ae=0.3Dc			Vc=200m/min fz=0.15mm/t ap=3mm ae=0.3Dc			Vc=200m/min fz=0.15mm/t ap=3mm ae=0.3Dc			Vc=200m/min fz=0.15mm/t ap=3mm ae=0.3Dc			Vc=200m/min fz=0.15mm/t ap=3mm ae=0.3Dc			Vc=200m/min fz=0.15mm/t ap=3mm ae=0.3Dc					
					3,580	800	19.2	2,865	1145	34.4	2,290	920	34.5	1,790	720	34.6	1,640	660	34.7	1,430	570	34.2	1,145	460	34.5
					Vc=180m/min fz=0.2mm/t ap=3mm ae=0.5Dc			Vc=180m/min fz=0.2mm/t ap=3mm ae=0.5Dc			Vc=180m/min fz=0.2mm/t ap=3mm ae=0.5Dc			Vc=180m/min fz=0.2mm/t ap=3mm ae=0.5Dc			Vc=180m/min fz=0.2mm/t ap=3mm ae=0.5Dc			Vc=180m/min fz=0.2mm/t ap=3mm ae=0.5Dc			Vc=180m/min fz=0.2mm/t ap=3mm ae=0.5Dc		
碳素钢、合金钢 Carbon Steels Alloy Steels (30~40HRC)	ZP152	60-120	BT40	0.08-0.2	2,390	380	5.5	1,910	380	6.8	1,530	310	6.9	1,190	240	6.9	1,090	220	6.9	800	240	14.4	635	190	14.3
					Vc=120m/min fz=0.1mm/t ap=3mm ae=0.3Dc			Vc=120m/min fz=0.1mm/t ap=3mm ae=0.3Dc			Vc=120m/min fz=0.1mm/t ap=3mm ae=0.3Dc			Vc=120m/min fz=0.1mm/t ap=3mm ae=0.3Dc			Vc=120m/min fz=0.1mm/t ap=3mm ae=0.3Dc			Vc=120m/min fz=0.1mm/t ap=3mm ae=0.3Dc					
					1,990	320	7.7	1,590	480	14.4	1,270	380	14.2	995	300	14.4	910	275	14.4	950	190	6.8	765	155	6.9
					Vc=100m/min fz=0.15mm/t ap=3mm ae=0.5Dc			Vc=100m/min fz=0.15mm/t ap=3mm ae=0.5Dc			Vc=100m/min fz=0.15mm/t ap=3mm ae=0.5Dc			Vc=100m/min fz=0.15mm/t ap=3mm ae=0.5Dc			Vc=100m/min fz=0.15mm/t ap=3mm ae=0.5Dc			Vc=100m/min fz=0.15mm/t ap=3mm ae=0.5Dc			Vc=100m/min fz=0.15mm/t ap=3mm ae=0.5Dc		
碳素钢、合金钢 Carbon Steels Alloy Steels (40~45HRC)	ZP152	50-100	BT40	0.05-0.2	1,690	270	2.6	1,350	270	3.2	1,080	220	3.3	850	170	3.3	770	155	3.3	680	140	3.3	540	110	3.3
					Vc=85m/min fz=0.1mm/t ap=2mm ae=0.3Dc			Vc=85m/min fz=0.1mm/t ap=2mm ae=0.3Dc			Vc=85m/min fz=0.1mm/t ap=2mm ae=0.3Dc			Vc=85m/min fz=0.1mm/t ap=2mm ae=0.3Dc			Vc=85m/min fz=0.1mm/t ap=2mm ae=0.3Dc			Vc=85m/min fz=0.1mm/t ap=2mm ae=0.3Dc					
					1,390	220	3.5	1,110	335	6.7	890	270	6.8	700	210	3.7	640	190	6.7	560	170	6.8	445	135	6.8
					Vc=70m/min fz=0.15mm/t ap=2mm ae=0.5Dc			Vc=70m/min fz=0.15mm/t ap=2mm ae=0.5Dc			Vc=70m/min fz=0.15mm/t ap=2mm ae=0.5Dc			Vc=70m/min fz=0.15mm/t ap=2mm ae=0.5Dc			Vc=70m/min fz=0.15mm/t ap=2mm ae=0.5Dc			Vc=70m/min fz=0.15mm/t ap=2mm ae=0.5Dc					
不锈钢 Stainless Steels	ZP152	120-220	BT40	0.08-0.25	4,380	1000	14.4	3,500	1050	18.9	2,800	840	18.9	2,190	660	19	2,000	600	18.9	1,750	525	18.9	1,400	420	18.9
					Vc=220m/min fz=0.15mm/t ap=3mm ae=0.3Dc			Vc=220m/min fz=0.15mm/t ap=3mm ae=0.3Dc			Vc=220m/min fz=0.15mm/t ap=3mm ae=0.3Dc			Vc=220m/min fz=0.15mm/t ap=3mm ae=0.3Dc			Vc=220m/min fz=0.15mm/t ap=3mm ae=0.3Dc			Vc=220m/min fz=0.15mm/t ap=3mm ae=0.3Dc					
					3,980	900	21.6	3,180	1270	38.1	2,550	1020	38.3	1,990	800	38.4	1,820	730	38.3	1,590	640	38.4	1,270	510	38.3
					Vc=200m/min fz=0.2mm/t ap=3mm ae=0.5Dc			Vc=200m/min fz=0.2mm/t ap=3mm ae=0.5Dc			Vc=200m/min fz=0.2mm/t ap=3mm ae=0.5Dc			Vc=200m/min fz=0.2mm/t ap=3mm ae=0.5Dc			Vc=200m/min fz=0.2mm/t ap=3mm ae=0.5Dc			Vc=200m/min fz=0.2mm/t ap=3mm ae=0.5Dc					
铸铁 Cast Iron FC,FCD	ZK50	120-180	BT40	0.08-0.25	3,580	720	10.4	2,865	860	15.5	2,290	690	15.7	1,790	540	15.5	1,640	490	15.5	1,430	400	15.5	1,145	345	15.5
					Vc=180m/min fz=0.15mm/t ap=3mm ae=0.3Dc			Vc=180m/min fz=0.15mm/t ap=3mm ae=0.3Dc			Vc=180m/min fz=0.15mm/t ap=3mm ae=0.3Dc			Vc=180m/min fz=0.15mm/t ap=3mm ae=0.3Dc			Vc=180m/min fz=0.15mm/t ap=3mm ae=0.3Dc			Vc=180m/min fz=0.15mm/t ap=3mm ae=0.3Dc					
					3,180	640	15.4	2,550	1020	30.6	2,040	820	30.7	1,590	640	30.7	1,455	585	30.7	1,275	510	30.6	1,020	410	30.8
					Vc=160m/min fz=0.2mm/t ap=3mm ae=0.5Dc			Vc=160m/min fz=0.2mm/t ap=3mm ae=0.5Dc			Vc=160m/min fz=0.2mm/t ap=3mm ae=0.5Dc			Vc=160m/min fz=0.2mm/t ap=3mm ae=0.5Dc			Vc=160m/min fz=0.2mm/t ap=3mm ae=0.5Dc			Vc=160m/min fz=0.2mm/t ap=3mm ae=0.5Dc					

<侧铣> Side milling

工件材料 Work	刀片材料 Grade	切削材料 Cutting Speed m/min	使用机床 Spindle of Machine	每刃进给量 Feed rate mm/t	φ16			φ20			φ25			φ32			φ35			φ40			φ50		
					转速 Min ⁻¹	进给速度 mm/min	切削排出量 Cm ³ /min	转速 Min ⁻¹	进给速度 mm/min	切削排出量 Cm ³ /min	转速 Min ⁻¹	进给速度 mm/min	切削排出量 Cm ³ /min	转速 Min ⁻¹	进给速度 mm/min	切削排出量 Cm ³ /min	转速 Min ⁻¹	进给速度 mm/min	切削排出量 Cm ³ /min	转速 Min ⁻¹	进给速度 mm/min	切削排出量 Cm ³ /min	转速 Min ⁻¹	进给速度 mm/min	切削排出量 Cm ³ /min
普通结构用钢 Mild Steels (200HB以下)	ZP152	150-220	BT40	0.05-0.25	4,380	700	25.1	3,500	560	31.4	2,800	450	39.4	2,190	440	45.1	2,000	400	49	1,750	520	49.9	1,400	420	63
					Vc=220m/min fz=0.08mm/t ap=Dc ae=0.14Dc			Vc=220m/min fz=0.08mm/t ap=Dc ae=0.14Dc			Vc=220m/min fz=0.08mm/t ap=Dc ae=0.14Dc			Vc=220m/min fz=0.08mm/t ap=Dc ae=0.14Dc			Vc=220m/min fz=0.08mm/t ap=Dc ae=0.14Dc			Vc=220m/min fz=0.08mm/t ap=Dc ae=0.14Dc			Vc=220m/min fz=0.08mm/t ap=Dc ae=0.14Dc		
					3,980	800	41	3,180	640	51.2	2,550	510	63.8	1,990	600	92.2	1,820	550	101	1,590	640	102.4	1,270	510	127.5
					Vc=200m/min fz=0.1mm/t ap=Dc ae=0.2Dc			Vc=200m/min fz=0.1mm/t ap=Dc ae=0.2Dc			Vc=200m/min fz=0.1mm/t ap=Dc ae=0.2Dc			Vc=200m/min fz=0.1mm/t ap=Dc ae=0.2Dc			Vc=200m/min fz=0.1mm/t ap=Dc ae=0.2Dc			Vc=200m/min fz=0.1mm/t ap=Dc ae=0.2Dc			Vc=200m/min fz=0.1mm/t ap=Dc ae=0.2Dc		
碳素钢、合金钢 Carbon Steels Alloy Steels (30HRC以下)	ZP152	120-200	BT40	0.05-0.25	3,980	640	23	3,180	510	28.6	2,550	410	35.9	1,990	400	41	1,820	365	44.7	1,590	480	46.1	1,270	380	57
					Vc=200m/min fz=0.08mm/t ap=Dc ae=0.14Dc			Vc=200m/min fz=0.08mm/t ap=Dc ae=0.14Dc			Vc=200m/min fz=0.08mm/t ap=Dc ae=0.14Dc			Vc=200m/min fz=0.08mm/t ap=Dc ae=0.14Dc			Vc=200m/min fz=0.08mm/t ap=Dc ae=0.14Dc			Vc=200m/min fz=0.08mm/t ap=Dc ae=0.14Dc					
					3,580	720	36.9	2,865	570	45.6	2,290	460	57.5	1,790	540	82.9	1,640	490	90	1,430	570	91.2	1,145	460	115
					Vc=180m/min fz=0.1mm/t ap=Dc ae=0.2Dc			Vc=180m/min fz=0.1mm/t ap=Dc ae=0.2Dc			Vc=180m/min fz=0.1mm/t ap=Dc ae=0.2Dc			Vc=180m/min fz=0.1mm/t ap=Dc ae=0.2Dc			Vc=180m/min fz=0.1mm/t ap=Dc ae=0.2Dc			Vc=180m/min fz=0.1mm/t ap=Dc ae=0.2Dc			Vc=180m/min fz=0.1mm/t ap=Dc ae=0.2Dc		
碳素钢、合金钢 Carbon Steels Alloy Steels (30~40HRC)	ZP152	60-120	BT40	0.05-0.25	2,390	380	9.7	1,910	305	12.2	1,530	245	15.3	1,190	240	19.7	1,090	220	21.6	950	285	22.8	765	230	28.8
					Vc=120m/min fz=0.08mm/t ap=Dc ae=0.1Dc			Vc=120m/min fz=0.08mm/t ap=Dc ae=0.1Dc			Vc=120m/min fz=0.08mm/t ap=Dc ae=0.1Dc			Vc=120m/min fz=0.08mm/t ap=Dc ae=0.1Dc			Vc=120m/min fz=0.08mm/t ap=Dc ae=0.1Dc			Vc=120m/min fz=0.08mm/t ap=Dc ae=0.1Dc					
					1,990	400	15.4	1,590	320	19.2	1,270	255	23.9	995	300	39.9	910	270	43	800	320	51.2	635	255	63.8
					Vc=100m/min fz=0.15mm/t ap=Dc ae=0.15Dc			Vc=100m/min fz=0.15mm/t ap=Dc ae=0.15Dc			Vc=100m/min fz=0.15mm/t ap=Dc ae=0.15Dc			Vc=100m/min fz=0.15mm/t ap=Dc ae=0.15Dc			Vc=100m/min fz=0.15mm/t ap=Dc ae=0.15Dc			Vc=100m/min fz=0.15mm/t ap=Dc ae=0.15Dc			Vc=100m/min fz=0.15mm/t ap=Dc ae=0.15Dc		
碳素钢、合金钢 Carbon Steels Alloy Steels (40~45HRC)	ZP152	50-100	BT40	0.05-0.25	1,690	270	5.5	1,350	220	7	1,080	175	8.8	850	170	13.9	770	155	15.2	680	200	16	540	160	20
					Vc=85m/min fz=0.08mm/t ap=Dc ae=0.08Dc			Vc=85m/min fz=0.08mm/t ap=Dc ae=0.08Dc			Vc=85m/min fz=0.08mm/t ap=Dc ae=0.08Dc			Vc=85m/min fz=0.08mm/t ap=Dc ae=0.08Dc			Vc=85m/min fz=0.08mm/t ap=Dc ae=0.08Dc			Vc=85m/min fz=0.08mm/t ap=Dc ae=0.08Dc					
					1,390	280	10.8	1,110	220	13.2	890	180	16.9	700	210	27.9	640	190	30.3	560	225	36	445	180	45
					Vc=70m/min fz=0.18mm/t ap=Dc ae=0.15Dc			Vc=70m/min fz=0.18mm/t ap=Dc ae=0.15Dc			Vc=70m/min fz=0.18mm/t ap=Dc ae=0.15Dc			Vc=70m/min fz=0.18mm/t ap=Dc ae=0.15Dc			Vc=70m/min fz=0.18mm/t ap=Dc ae=0.15Dc			Vc=70m/min fz=0.18mm/t ap=Dc ae=0.15Dc			Vc=70m/min fz=0.18mm/t ap=Dc ae=0.15Dc		
不锈钢 Stainless Steels SUS	ZP152	120-220	BT40	0.14-0.3	4,380	700	25.1	3,500	560	31.4	2,800	450	39.4	2,190	440	45.1	2,000	400	49	1,750	520	49.9	1,400	420	63
					Vc=220m/min fz=0.08mm/t ap=Dc ae=0.14Dc			Vc=220m/min fz=0.08mm/t ap=Dc ae=0.14Dc			Vc=220m/min fz=0.08mm/t ap=Dc ae=0.14Dc			Vc=220m/min fz=0.08mm/t ap=Dc ae=0.14Dc			Vc=220m/min fz=0.08mm/t ap=Dc ae=0.14Dc			Vc=220m/min fz=0.08mm/t ap=Dc ae=0.14Dc					
					3,980	800	41	3,180	640	51.2	2,550	510	63.8	1,990	600	92.2	1,820	550	101	1,590	640	102.4	1,270	510	127.5
					Vc=200m/min fz=0.1mm/t ap=Dc ae=0.2Dc			Vc=200m/min fz=0.1mm/t ap=Dc ae=0.2Dc			Vc=200m/min fz=0.1mm/t ap=Dc ae=0.2Dc			Vc=200m/min fz=0.1mm/t ap=Dc ae=0.2Dc			Vc=200m/min fz=0.1mm/t ap=Dc ae=0.2Dc			Vc=200m/min fz=0.1mm/t ap=Dc ae=0.2Dc			Vc=200m/min fz=0.1mm/t ap=Dc ae=0.2Dc		
铸铁 Cast Iron FC,FCD	ZK50	120-180	BT40	0.05-0.25	3,580	570	20.4																		

BAP推荐切削条件 Recommend Cutting Conditions

Table with columns: 工件材料 Cat. No., 硬度 Hardness, 刀片材料 Balde No., 加工形态, 对应 断屑槽, 切削速度 (m/min), 每刃进给量 (mm/tooth). Rows include CBN, PCD, P, M, K, N, S, H categories.

● 刀具转速 (min^-1) = (1000x切削速度) ÷ (3.14x刀具切削刃直径) ● 机床工作台进给量 (mm/min) = 每刃进给量x刀具刃数x刀具转速

通用 铣削

铣削 对策

钻铣 加工

粗铣 加工

T型 槽加工

直角 刀

快进 给铣刀

圆鼻 铣刀

球刀

技术 标准

超快削立铣刀 AHU型 Ultra-fast cutting milling cutter AHU type

标准切削条件 Recommended cutting conditions

Table with columns: 工件材料 Work, 刀片材料 Grade, 切削条件 Cutting condition, 外径 Dc Tool diameter. Includes sub-tables for AHU/AHUM 10型 and AHU/AHUM 15型.

【注意】 ①此标准切削条件表中的数值为切削条件的基准值... ②请使用SD5010铝合金的切削条件请参考下一页。

倾斜切削 Ramping

由于刀口及中心，故倾斜角度受到限制。但若采用下图所示的倾斜切削或螺旋切削，即使无导孔，也可进行直接刻模加工。



Table for AHU(L)/AHUM 10型 and AHU(L)/AHUM 15型 with columns for 外径 Dc Tool diameter, 倾斜角 Ramp Angle, 螺旋孔径 Hole Dia.

【注意】 ①倾斜角的设定不要超出上述范围。... ②对于孔直径超出上述范围的孔，请先进行导孔加工。

High-Feed Ultra End Mill AHU

使用SD5010铝合金和铜的切削条件 Cutting conditions for cutting aluminum alloy and copper using SD5010 <肩切削> Shoulder cutting: ae=0.5Dc

Table with columns: 工件材料 Work, 切削条件 Cutting condition, AHU/AHUM 10型, AHU/AHUM 15型. Includes sub-tables for 铝合金铸材料 and 铜.

【注意】 ①此标准切削条件表中的数值为切削条件的基准值... ②若机床不能达到上述表的转速，请为其设定使用可能的转速。

使用HD7010刀片的石墨及铝合金铸件的切削条件 Cutting conditions for cutting graphite and cast aluminium alloy

Table with columns: 工件材料 Work, 刀片材料 Grade, 切削条件 Cutting condition, AHU/AHUM 10型, AHU/AHUM 15型.

【注意】 ①此标准切削条件表中的数值为切削条件的基准值... ②本刀片在使用时有可能发生破损，故必须安装护罩、使用保护罩、安全鞋等。

技术 资料

T217. 69/TE90/EPX3000推荐切削条件 Recommend Cutting Conditions

工件材料 Cat. No.	硬度 Hardness	刀片材料 Balde No.	切削速度 vc (m/min)	切削宽度 ae (mm)	Ø12-Ø16		Ø18-Ø25		Ø28-Ø100	
					每刃进给量 fz (mm/tooth)	切削深度 ap (mm)	每刃进给量 fz (mm/tooth)	切削深度 ap (mm)	每刃进给量 fz (mm/tooth)	切削深度 ap (mm)
P 软钢 (SS400, S10C等)	≤HB180	ZP152 M断屑槽	230 (180-270)	-0.25D	0-4 4-7	0.15 0.10	0-5 5-7	0.25 0.20	0-5 5-7	0.20 0.15
			220 (170-260)	-0.5D	0-2 2-5	0.15 0.10	0-3 3-5.5	0.25 0.20	0-3 3-5.5	0.20 0.15
			180 (140-210)	-0.75D	0-4 -	0.10 -	0-4 4-10	0.15 0.10	0-3 3-7	0.10 0.07
			180 (140-210)	-0.25D	0-4 4-7	0.15 0.10	0-5 5-7	0.25 0.20	0-5 5-7	0.20 0.15
			170 (130-200)	-0.5D	0-2 2-5	0.15 0.10	0-3 3-5.5	0.25 0.20	0-3 3-5.5	0.20 0.15
			140 (110-160)	-0.75D	0-4 -	0.10 -	0-4 4-10	0.15 0.10	0-3 3-7	0.10 0.07
	HB180-350	ZP152 M断屑槽	180 (140-210)	-0.25D	0-4 4-7	0.15 0.10	0-5 5-7	0.25 0.20	0-5 5-7	0.20 0.15
			170 (130-200)	-0.5D	0-2 2-5	0.15 0.10	0-3 3-5.5	0.25 0.20	0-3 3-5.5	0.20 0.15
			140 (110-160)	-0.75D	0-4 -	0.10 -	0-4 4-10	0.15 0.10	0-3 3-7	0.10 0.07
M 不锈钢 (SUS304等)	≤HB270	ZP153 M断屑槽	180 (140-210)	-0.25D	0-4 4-7	0.15 0.10	0-5 5-7	0.20 0.15	0-5 5-7	0.20 0.15
			170 (130-200)	-0.5D	0-2 2-5	0.15 0.10	0-3 3-5.5	0.20 0.15	0-3 3-5.5	0.20 0.15
			140 (110-160)	-0.75D	0-4 -	0.10 -	0-4 4-10	0.10 0.07	0-3 3-7	0.10 0.07
			180 (140-210)	-0.25D	0-4 4-7	0.15 0.10	0-5 5-7	0.20 0.15	0-5 5-7	0.20 0.15
			170 (130-200)	-0.5D	0-2 2-5	0.15 0.10	0-3 3-5.5	0.20 0.15	0-3 3-5.5	0.20 0.15
			140 (110-160)	-0.75D	0-4 -	0.10 -	0-4 4-10	0.10 0.07	0-3 3-7	0.10 0.07
	抗拉强度 ≤350MPa	ZK50 H断屑槽	250 (200-300)	-0.25D	0-4 4-7	0.15 0.10	0-5 5-7	0.25 0.20	0-5 5-7	0.20 0.15
			240 (190-290)	-0.5D	0-2 2-5	0.15 0.10	0-3 3-5.5	0.25 0.20	0-3 3-5.5	0.20 0.15
			210 (160-260)	-0.75D	0-4 -	0.10 -	0-4 4-10	0.15 0.10	0-3 3-7	0.10 0.07
抗拉强度 ≤800MPa	ZK501 H断屑槽	130 (100-150)	-0.25D	0-4 4-7	0.10 0.07	0-5 5-7	0.20 0.15	0-5 5-7	0.20 0.15	
		120 (90-140)	-0.5D	0-2 2-5	0.10 0.07	0-3 3-5.5	0.20 0.15	0-3 3-5.5	0.20 0.15	
		100 (80-120)	-0.75D	0-4 -	0.07 -	0-4 4-10	0.10 0.07	0-3 3-7	0.10 0.07	
		500 (200-1000)	-0.25D	0-4 4-7	0.15 0.10	0-4 4-7	0.25 0.15	0-4 4-7	0.20 0.15	
		500 (200-1000)	-0.5D	0-4 4-7	0.15 0.10	0-4 4-7	0.20 0.10	0-4 4-7	0.20 0.10	
		500 (200-1000)	-0.75D	0-5 0-5	0.10 0.10	0-5 0-5	0.15 0.15	0-5 0-5	0.10 0.10	
H 高硬度钢 (SKD等)	HRC40-55	ZP163 H断屑槽	90 (70-100)	-0.25D	0-4 4-7	0.10 0.07	0-5 5-7	0.15 0.10	0-5 5-7	0.15 0.10
			85 (60-100)	-0.5D	0-2 2-5	0.10 0.07	0-3 3-5.5	0.15 0.10	0-3 -	0.15 0.15
			70 (50-80)	-0.75D	0-4 0-4	0.07 0.07	0-4 0-4	0.07 0.07	0-3 0-3	0.07 0.07
			180 (140-210)	D	0-3 0-3	0.10 0.10	0-4 4-7	0.10 0.07	0-3 3-5	0.10 0.07
			140 (110-160)	D	0-3 0-3	0.10 0.10	0-4 4-7	0.10 0.07	0-3 3-5	0.10 0.07
			140 (110-160)	D	0-3 0-3	0.10 0.10	0-4 4-7	0.10 0.07	0-3 3-5	0.10 0.07
	抗拉强度 ≤350MPa	ZK50 H断屑槽	140 (110-160)	D	0-3 0-3	0.10 0.10	0-4 4-7	0.10 0.07	0-3 3-5	0.10 0.07
			100 (80-120)	D	0-3 0-3	0.07 0.07	0-4 4-7	0.10 0.07	0-3 3-5	0.10 0.07
			500 (200-1000)	D	0-5 0-5	0.10 0.10	0-5 0-5	0.20 0.20	0-5 0-5	0.15 0.15
HRC40-55	ZP163 H断屑槽	70 (50-80)	D	0-3 0-3	0.07 0.07	0-4 0-4	0.07 0.07	0-3 0-3	0.07 0.07	

斜面加工, 螺旋加工条件 Bevel processing, spiral processing conditions

刀具直径 D1 (mm)	斜面加工		盲孔, 平底的螺旋加工					
	最大加工 L 斜角 α°	最小距离 L1 (mm)	最大加工直径 DH max. (mm)	最大螺距 P max. (mm)	最小加工直径 DH min. (mm)	最大螺距 P max. (mm)	最小加工直径 DH min. (mm)	最大螺距 P max. (mm)
12	6	95	22	2.5	20.5	2	14	0.5
14	6	95	26	2.5	24.5	2	18	1
16	15	37	30	9	28	7	21	2
18	11	51	34	5	32	4.5	25	2
20	9	63	38	5	36	4.5	29	2
22	7	81	42	5	40	4.5	33	2
25	6	95	48	6	46	5	39	3
28	4	143	54	4.5	52	4	45	2
30	4	143	58	4.5	56	4	49	2
32	3	190	62	4.5	60	4	53	2
35	3	190	68	4	66	3.5	59	2
40	2	286	78	4	76	3.5	69	2
50	1	572	98	2	96	2	89	2
63	1	572	124	2	122	2	115	2
80	1	572	158	2	156	2	149	2
100	0.5	1145	198	1	196	1	189	1

注 用上表的斜面角加工延展性大的工件材料时, 切削有可能不折断。这时请减小斜面角或每刃进给量。
 ○1 L由最大斜面角和最大切削深度10计算得出 (L=10/tan α)。
 ○2 盲孔, 平底的最大加工直径是圆弧半径R=0.8的情况, 其他情况请按照下式计算 [(刃径D)-(圆弧半径R)-0.2] x 2

注1 本切削条件是标准带槽型、无柄型产品的标准值。

条件的设定以机床刚性及工件刚性高, 不发生高频振动为前提, 若加工中发生高频振动或刀片崩刃等情况, 请根据情况改变切削条件。

注2 下面是容易产生振动的几种情况。

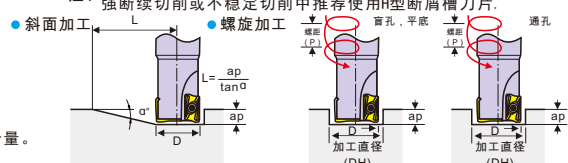
振动发生时请降低切削深度等切削条件:
 1. 使用长柄型, 超长柄型刀具时;
 2. 标准带槽型, 无柄型刀具的悬伸量过大时;
 3. 机床刚性, 工件夹刚性低时。

注3 刃数不同的类型时, 减少刃数可以有效防止振动的发生。

(例Ø25的4刃铣刀→Ø25的3刃铣刀或2刃铣刀)

Ø20的3刃铣刀→Ø20的2刃铣刀)

注4 强断续切削或不稳定切削中推荐使用H型断屑槽刀片。



CBN

PCD

立装
螺纹

切槽
加工

通用
螺纹

钻孔

通用
铣削

铣削
对策

钻铣
加工

粗铣
加工

T型
槽
加工

直角
台肩

快
进
给
铣
刀

圆
鼻
铣
刀

球
刀

技
术
标
准

技
术
资
料

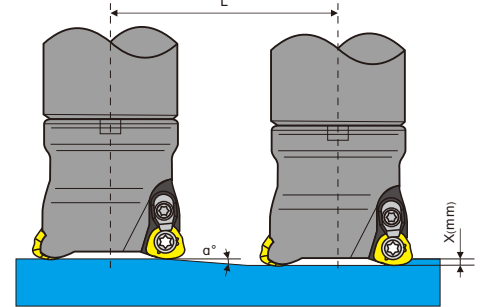
AJX 快进给铣刀 Ajx Fast Feed Milling Cutter

CBN	工件材料 Cat. No.	硬度 Hardness	刀片材料 Balde No.	切削速度 (m/min)	Ø16/Ø17			Ø20-Ø22			Ø25-Ø28			Ø30-Ø35			Ø40(Ø32刀柄)			Ø40(Ø42刀柄)			Ø50/Ø63带柄			Ø50/Ø63无柄			Ø80-Ø160无柄					
					悬伸量 (mm)	轴向切深 (mm)	每刃进给量 (mm/tooth)	悬伸量 (mm)	轴向切深 (mm)	每刃进给量 (mm/tooth)	悬伸量 (mm)	轴向切深 (mm)	每刃进给量 (mm/tooth)	悬伸量 (mm)	轴向切深 (mm)	每刃进给量 (mm/tooth)	悬伸量 (mm)	轴向切深 (mm)	每刃进给量 (mm/tooth)	悬伸量 (mm)	轴向切深 (mm)	每刃进给量 (mm/tooth)	悬伸量 (mm)	轴向切深 (mm)	每刃进给量 (mm/tooth)	悬伸量 (mm)	轴向切深 (mm)	每刃进给量 (mm/tooth)	悬伸量 (mm)	轴向切深 (mm)	每刃进给量 (mm/tooth)			
PCD	软钢 (SS400, S10C等)	≤HB180	ZP152	170 (120-220)	140	0.8	0.8	160	1.0	1.0	170	1.0	1.2	180	1.2	1.4	180	1.2	1.4	180	1.2	1.5	180	1.4	1.5	150	1.5	1.5	170	1.5	1.5			
	碳钢 (S355C等)	HB180-280	ZP152	150 (100-200)	180	0.8	0.6	210	0.8	0.8	230	0.8	1.0	230	1.0	1.2	240	1.0	1.2	240	1.0	1.3	240	1.2	1.3	250	1.3	1.3	300	1.3	1.3			
立装 螺纹	合金钢 (SCM440等)	HB280-350	ZP152	130 (80-180)	210	0.4	0.4	240	0.6	0.6	290	0.6	0.8	290	0.8	1.0	300	0.8	1.0	300	0.8	1.1	300	0.8	1.1	-	-	-	350	1.1	1.1	450	1.0	1.0
	合金工具钢 (SKD, SKT等)	≤HB350	ZP152	130 (80-180)	140	0.7	0.8	160	0.8	1.0	170	0.8	1.2	180	1.0	1.4	180	1.0	1.4	180	1.0	1.5	180	1.2	1.5	150	1.3	1.5	170	1.3	1.5			
切槽 加工	钛合金 (Ti6Al4V等)	≤HRC35	ZP153	120 (80-160)	180	0.5	0.6	210	0.6	0.8	230	0.6	1.0	230	0.8	1.2	240	0.8	1.0	240	0.8	1.1	240	1.0	1.1	250	1.1	1.1	300	1.1	1.1			
	钛合金 (Ti6Al4V等)	≤HB350	ZP163	100 (70-130)	210	0.3	0.4	240	0.4	0.6	290	0.4	0.8	290	0.6	1.0	300	0.6	0.8	300	0.6	0.9	300	0.6	0.9	-	-	-	350	0.9	0.9	450	0.8	0.8
通用 螺纹	不锈钢 (SUS304等)	≤HB270	ZP152	120 (80-160)	140	0.8	0.7	160	1.0	1.0	170	1.0	1.0	180	1.2	1.2	180	1.2	1.2	180	1.2	1.3	180	1.4	1.3	150	1.5	1.3	170	1.5	1.3			
	灰铸铁 (FC300等)	抗拉强度 ≤350MPa	ZK50	150 (100-200)	180	0.6	0.5	210	0.8	0.6	230	0.8	0.8	230	1.0	1.0	240	1.0	1.0	240	1.0	1.1	240	1.2	1.1	250	1.3	1.1	300	1.3	1.1			
通用 铣削	球墨铸铁 (FCD700等)	抗拉强度 ≤800MPa	ZK501	120 (80-160)	140	0.7	0.8	160	0.8	1.0	170	0.8	1.2	180	1.0	1.4	180	1.0	1.4	180	1.0	1.5	180	1.2	1.5	150	1.3	1.5	170	1.3	1.5			
	高硬度钢	HRC43-55	ZP163	70 (50-90)	180	0.4	0.3	210	0.4	0.4	230	0.4	0.6	230	0.5	0.8	240	0.5	0.8	240	0.5	0.9	240	0.6	0.9	250	0.7	0.9	300	0.7	0.9			
钻孔					210	0.3	0.2	240	0.3	0.2	290	0.3	0.4	290	0.4	0.6	300	0.4	0.6	300	0.4	0.7	-	-	-	-	-	-	-	-	-			

不同形态加工界限 Different forms of processing limit

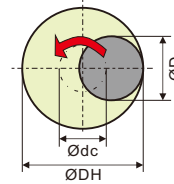
- ① 刀具悬伸量
- ② 主轴转速
 $n \text{ (min}^{-1}\text{)} = (\text{推荐切削速度} \times 1000) \div (\text{刀具直径} \times 3.14)$
- ③ 工作台进给速度
 $v_f \text{ (mm/min)} = n \times \text{每刃进给量} \times \text{刃数}$
- ④ 径向切削深度 (ae)：推荐是刀具直径的60%以上
- ⑤ 上表切削条件是使用BT50机床的标准，在使用BT40或HSK63的机床时，推荐使用刀具直径在Ø35以下，并且轴方向的切削深度和工作台进给量应有所下调。
- ⑥ 在进行带孔材料等断续切削部位多的加工时，请使用刃刃强化型刀片 (ST断屑槽) ST断屑槽未设定的06/08/09号，在不考虑工件材质的情况下首选ZK96MO
- ⑦ 刀具悬伸量大的不稳定切削时，推荐使用标准刃数型刀体。
- ⑧ 需要降低切削动力或增大刀具悬伸量时，请使用重视切削锋利性的JM断屑槽刀片。
- ⑨ AJX在切削过程中产生大而重的切屑。为防止因切屑干扰产生的问题，请使用风冷去除切屑。

■ 斜面加工



- 斜面，螺旋加工时，应降低进给速度。（按小于算出进给速度的60%）。
- 钻孔加工时，轴方向的进给速度应小于0.2mm/rev。
- 钻孔加工时，连续且长的切削屑可能飞溅，要注意安全。

■ 螺旋孔加工



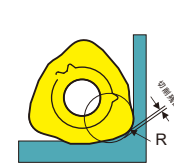
● 刀具中心轨迹的设定方法

$$\varnothing d_c = \varnothing D_H - \varnothing D$$

刀具中心轨迹 加工孔径 刀具切削刃直径

- 注意每转的切削深度不应超过最大切削深度 a_{p0} 。
- 设定刀具公转方向，使切削呈顺铣形态。

加工程序上的注意事项

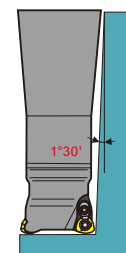


编程CAM程序时，请将AJX设为圆弧头铣刀。此时的近似刀尖圆弧半径R值及切削残余量如下表所示。

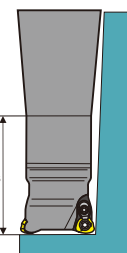
使用刀片	近似R (mm)	切削残余量K (mm)
JOM.06T215ZZSR...	2.0	0.33
JOM.080320ZZSR...	2.5	0.46
JOM.09T320ZDSR...	3.0	0.47
JDM.120420ZDSR...	3.0	0.63
JDM.140520ZDSR...	3.0	0.64

注 在不同的加工条件下，切削残余量有可能会发生变化。

高级使用方法



AJX专用刀座由于采用锥形设计，在起模锥度1°30'的壁面上时不会发生干涉，请放心使用。



加工深度在 L_s 以下时，也可以进行直角壁面的深槽加工。

刀具形式	刀片大小	刀具直径 D (mm)	平面加工直径 (mm)	最大切削深度 ap (mm)	斜面加工			螺旋孔加工		最大钻孔深度 A2 (mm)	
					最大角度	达到深度Xmm所必要的转速K (mm)	X=1	X=1.5	X=2		最小孔 D _{Hmin} (mm)
带柄型 / 可换式铣刀头型	06	16 (2刃)	8	1.0	3°	19.1	-	-	23	29	0.3
		17 (2刃)	9	1.0	2° 30'	22.9	-	-	25	31	0.3
		20 (3刃)	12	1.0	1° 30'	38.2	-	-	31	37	0.3
		22 (3刃)	14	1.0	1°	57.3	-	-	35	41	0.3
	08	20 (2刃)	11	1.5	3° 30'	16.3	24.5	-	27	36	0.5
		22 (2刃)	13	1.5	3°	19.1	28.6	-	31	40	0.5
		25 (3刃)	16	1.5	2°	28.6	43.0	-	37	46	0.5
		28 (3刃)	19	1.5	1° 42'	33.7	50.5	-	43	52	0.5
	09	25 (2刃)	14	2.0	4°	14.3	21.5	28.6	33	46	1.0
		28 (2刃)	17	2.0	3°	19.1	28.6	38.1	39	52	1.0
		30 (3刃)	19	2.0	2° 42'	21.2	31.8	42.4	43	56	1.0
		32 (3刃)	21	2.0	2° 30'	22.9	34.4	45.8	47	60	1.0
12	35 (3刃)	24	2.0	2°	28.6	43.0	57.3	53	66	1.0	
	40 (4刃)	29	2.0	1° 30'	38.2	57.3	76.4	63	76	1.0	
	30 (2刃)	18	2.0	4° 30'	12.7	19.0	25.4	39	56	1.5	
	32 (2刃)	20	2.0	4°	14.3	21.4	28.6	41	60	1.5	
14	35 (2刃)	23	2.0	3° 30'	16.3	24.5	32.7	47	66	1.5	
	40 (2刃)	28	2.0	3°	19.1	28.6	38.2	57	76	1.5	
	40 (3刃)	28	2.0	3°	19.1	28.6	38.2	57	76	1.5	
	50 (3刃)	38	2.0	4° 12'	13.6	20.4	27.2	72	96	2.0	
无柄型	09	50	40	2.0	1° 06'	52.1	78.1	104.9	83	96	2.0
		50	38	2.0	2°	28.6	43.0	57.3	77	96	1.5
	12	63	51	2.0	1° 30'	38.2	57.3	76.4	103	122	1.5
		80	68	2.0	1° 06'	52.1	78.1	104.2	137	156	1.5
		100	88	2.0	0° 48'	71.6	107.4	143.2	177	196	1.5
	14	63	51	2.0	2° 48'	20.4	30.7	40.9	98	122	2.0
		80	68	2.0	1° 48'	31.8	47.7	63.6	132	156	2.0
		100	88	2.0	1° 12'	47.7	71.6	95.5	172	196	2.0
		125	113	2.0	0° 48'	71.6	107.4	143.2	222	246	2.0
		160	148	2.0	0° 30'	114.6	171.9	229.2	292	316	2.0

- 刀具转速 (min⁻¹) = (1000x切削速度) ÷ (3.14x刀具切削刃直径)
- 机床工作台进给量 (mm/min) = 每刃进给量x刀具刃数x刀具转速

推荐切削参数

Recommended Cutting Parameters

SKS 新干线可换刀头 SKS Shinkansen Interchangeable Cutter Head

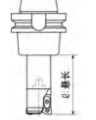
■ MSH 型可换式刀头+超强硬杆标准切削条件
MSH type replaceable cutter head + super hard rod standard cutting conditions

被加工材料	刀片材质	刀具直径 (mm)															
		16/17				20/21/22				25/26/28							
		刃数2N			刃数2N			刃数3N			刃数2N						
碳素钢 (S50C, S55C) 硬度250HB以下	ZP151	70	0.4	3580	6400	70	0.6	2850	5700	70	0.5	2850	7700	90	0.7	2300	5500
	ZP152	120	0.3	3180	5090	120	0.5	2600	5200	120	0.4	2600	7000	140	0.5	2300	5100
	ZP153	160	0.2	2980	4760	190	0.3	2400	4800	190	0.3	2400	6500	210	0.3	1900	3800
预硬钢 (HPM7, PXS, ANK80, P20) 硬度30~43HRC	ZP152	70	0.4	3180	5720	70	0.5	2850	5700	70	0.5	2850	7700	90	0.7	2300	5500
	ZP153	120	0.3	3180	5090	120	0.4	2600	5200	120	0.4	2600	7000	140	0.5	2300	5100
	ZP163	160	0.2	2980	4760	190	0.3	2400	4800	190	0.3	2400	6500	210	0.3	1900	3800
模具钢 (SKD60, SKD11) 硬度255HB以下	ZP152	70	0.4	3180	5720	70	0.5	2850	5700	70	0.5	2850	7700	90	0.7	2300	5500
	ZP153	120	0.3	3180	5090	120	0.4	2600	5200	120	0.4	2600	7000	140	0.5	2300	5100
	ZP163	160	0.2	2980	4760	190	0.3	2400	4800	190	0.3	2400	6500	210	0.3	1900	3800
不锈钢 (SUS304) 硬度250HB以下	ZP152	70	0.3	3180	5720	70	0.5	2500	5000	70	0.5	2500	6800	90	0.7	2000	4400
	ZP153	120	0.3	2980	4760	120	0.4	2400	4800	120	0.4	2400	6500	140	0.5	2000	4000
	ZP163	160	0.2	2980	4760	190	0.3	2400	4800	190	0.3	2400	6500	210	0.3	1900	3800
淬火钢 (SKD61, DAC, DHA) 硬度40~50HRC	ZP153	70	0.2	2380	2610	70	0.4	1300	1600	70	0.3	1300	2300	90	0.6	1100	1500
	ZP153	120	0.2	2380	2380	120	0.3	1200	1400	120	0.3	1200	2000	140	0.4	1000	1400
	ZP163	160	-	-	190	-	-	190	-	-	190	-	210	-	-	-	-
灰铸铁-球墨铸铁 (FC, FCD) 硬度300HB以下	ZK50	70	0.5	6550	6550	70	0.6	2400	5800	70	0.6	2400	8000	90	1.0	1900	4500
	ZK501	120	0.4	5960	5960	120	0.5	2400	5300	120	0.5	2400	7200	140	0.8	1900	4300
	ZK501	160	0.3	5000	5000	190	0.4	2000	4800	190	0.4	2000	6000	210	0.5	1600	3800

被加工材料	刀片材质	刀具直径 (mm)															
		25/26/28				30				32/33/35							
		刃数3N			刃数2N			刃数3N			刃数2N						
碳素钢 (S50C, S55C) 硬度250HB以下	ZP151	90	0.6	2300	6900	100	0.7	1900	4600	100	0.6	2000	6000	100	0.8	1800	4600
	ZP152	140	0.5	2300	6900	150	0.5	1900	4300	150	0.5	1900	5700	150	0.6	1800	4300
	ZP153	210	0.3	1900	5700	210	0.3	1600	3900	210	0.3	1600	4800	210	0.4	1500	3900
预硬钢 (HPM7, PXS, ANK80, P20) 硬度30~43HRC	ZP152	90	0.6	2300	6900	100	0.7	1900	4600	100	0.6	2000	6000	100	0.8	1800	4600
	ZP153	140	0.5	2300	6900	150	0.5	1900	4300	150	0.5	1900	5700	150	0.6	1800	4300
	ZP163	210	0.3	1900	5700	210	0.3	1600	3900	210	0.3	1600	4800	210	0.4	1500	3900
模具钢 (SKD60, SKD11) 硬度255HB以下	ZP152	90	0.6	2300	6900	100	0.7	1900	4600	100	0.6	2000	6000	100	0.8	1800	4600
	ZP153	140	0.5	2300	6900	150	0.5	1900	4300	150	0.5	1900	5700	150	0.6	1800	4300
	ZP163	210	0.3	1900	5700	210	0.3	1600	3900	210	0.3	1600	4800	210	0.4	1500	3900
不锈钢 (SUS304) 硬度250HB以下	ZP152	90	0.6	2000	6000	100	0.7	1700	3800	100	0.6	1800	5400	100	0.8	1600	3800
	ZP153	140	0.5	2000	6000	150	0.5	1700	3500	150	0.5	1700	5100	150	0.6	1600	3500
	ZP163	210	0.3	1900	5700	210	0.3	1600	3900	210	0.3	1600	4800	210	0.4	1500	3900
淬火钢 (SKD61, DAC, DHA) 硬度40~50HRC	ZP153	90	0.5	1100	2000	100	0.6	850	1600	100	0.5	850	1550	100	0.6	800	1600
	ZP153	140	0.4	1000	1800	150	0.4	750	1400	150	0.4	750	1350	150	0.6	700	1400
	ZP163	210	-	-	210	0.2	650	1200	210	0.2	650	1200	210	0.3	600	1200	
灰铸铁-球墨铸铁 (FC, FCD) 硬度300HB以下	ZK50	90	0.6	1900	6900	100	1.0	1600	4200	100	0.8	1600	5800	100	1.2	1500	4200
	ZK501	140	0.6	1900	6300	150	0.8	1600	3900	150	0.6	1600	5300	150	1.0	1500	3900
	ZK501	210	0.5	1600	5300	210	0.5	1350	3000	210	0.5	1350	4500	210	0.6	1250	3000

●使用注意事项

- 表中数据仅供参考，机床和工件的刚性情况进行适当调整（上述条件以BT50为基础）。
- 刀一发生振动，推荐降低进给或主轴转速，但请不要改变每刀的进给量。
- 如发生切削力不足，请先降低进给，然后再降低主轴转速以及进给。
- 使用冷却液时，请充分冷却加工部位，特别是加工加工型腔时，请务必注意冷却液的供给。
- 淬火钢硬度为50~55HRC，推荐将以上进给、主轴转速和进给速度降低30%。
- 刀体长度在250mm以上及带孔零件的强韧切削时，推荐使用强化刀片D10系列刀片。



被加工材料	刀片材质	刀具直径 (mm)											
		32				32/33/35				40			
		刃数4N			刃数3N			刃数5N			刃数5N		
碳素钢 (S50C, S55C) 硬度250HB以下	ZP151	100	0.6	1900	7600	100	0.7	1800	6000	100	0.6	1500	7500
	ZP152	150	0.5	1800	7200	150	0.5	1800	5400	150	0.5	1400	7000
	ZP153	210	0.3	1500	6000	210	0.3	1500	4500	210	0.3	1200	6000
预硬钢 (HPM7, PXS, ANK80, P20) 硬度30~43HRC	ZP152	100	0.6	1900	7600	100	0.7	1800	6000	100	0.6	1500	7500
	ZP153	150	0.5	1800	7200	150	0.5	1800	5400	150	0.5	1400	7000
	ZP163	210	0.3	1500	6000	210	0.3	1500	4500	210	0.3	1200	6000
SKD60, SKD11) 255HB	ZP152	100	0.6	1900	7600	100	0.7	1800	6000	100	0.6	1500	7500
	ZP153	150	0.5	1800	7200	150	0.5	1800	5400	150	0.5	1400	7000
	ZP163	210	0.3	1500	6000	210	0.3	1500	4500	210	0.3	1200	6000
不锈钢 (SUS304) 硬度250HB以下	ZP152	100	0.6	1700	6800	100	0.7	1600	5200	100	0.6	1350	8800
	ZP153	150	0.5	1600	6400	150	0.5	1600	4800	150	0.5	1300	8500
	ZP163	210	0.3	1500	6000	210	0.3	1500	4500	210	0.3	1200	6000
淬火钢 (SKD61, DAC, DHA) 硬度40~50HRC	ZP153	100	0.5	800	1900	100	0.6	800	2200	100	0.5	640	1900
	ZP163	150	0.4	700	1700	150	0.4	700	1900	150	0.4	560	1700
	ZP163	210	0.2	600	1500	210	0.2	600	1500	210	0.2	480	1450
灰铸铁-球墨铸铁 (FC, FCD) 硬度300HB以下	ZK50	100	0.8	1500	7200	100	1.0	1500	5200	100	0.8	1200	7200
	ZK501	150	0.6	1500	6600	150	0.8	1500	5000	150	0.6	1200	6600
	ZK501	210	0.5	1250	5500	210	0.5	1250	4000	210	0.5	1000	5500

● 端铣刀具长，ap: 切深，ae: 切宽，n: 主轴转速，Vf: 主轴进给

■ SKS型标准切削条件 端铣型

SKS Type Standard Cutting Conditions End Milling Type

被加工材料	刀片材质	刀具直径 (mm)															
		16/17				20/21/22				25/26/28				30/32/33/35			
		刃数2N			刃数2N			刃数3N			刃数2N						
碳素钢 (S50C, S55C) 硬度250HB以下	ZP151	70	0.6	3580	3580	70	0.7	2850	4600	70	0.7	2300	4600	70	0.8	1800	3600
	ZP152	120	0.5	2980	2380	120	0.5	2400	3800	120	0.5	1900	3800	120	0.6	1000	3000
	ZP153	100	0.4	2580	1550	190	0.3	1250	1500	220	0.3	1000	1600	220	0.4	500	2000
预硬钢 (HPM7, PXS, ANK80, P20) 硬度30~43HRC	ZP152	70	0.6	3580	3580	70	0.7	2850	4600	70	0.7	2300	4600	70	0.8	1800	3600
	ZP153	120	0.5	2980	2380	120	0.5	2400	3800	120	0.5	1900	3800	120	0.6	1000	3000
	ZP163	100	0.4	2580	1550	190	0.3	1250	1500	220	0.3	1000	1600	220	0.4	500	2000
模具钢 (SKD61, SKD11) 硬度255HB以下	ZP152	70	0.6	3580	3580	70	0.7	2850	4600	70	0.7	2300	4600	70	0.8	1800	3600
	ZP153	120	0.5	2980	2380	120	0.5	2400	3800	120	0.5	1900	3800	120	0.6	1000	3000
	ZP163	100	0.4	2580	1550	190	0.3	1250	1500	220	0.3	1000	1600	220	0.4	500	2000
不锈钢 (SUS304) 硬度250HB以下	ZP152	70	0.5	3580	2980	70	0.7	2400	3840	70	0.7	1900	3800	70	0.8	1500	3600
	ZP153	120	0.3	2980	2380	120	0.5	2400	3800	120	0.5	1900	3800	120	0.6	1250	3000
	ZP163	100	0.3	2580	1550	190	0.3	1250	1500	220	0.3	1000	1600	220	0.3	600	1800
淬火钢 (SKD61, DAC, DHA) 硬度40~50HRC	ZP153	70	0.3	2380	2380	70	0.5	1100	1100	70	0.6	1000	1400	70	0.8	800	1300
	ZP163	70	0.2	2380	1900	120	0.3	1100	1100	120	0.4	1000	1200	120	0.6	700	1100
	ZK50	70	0.3	3580	3580	70	0.8	1900	3000	70	1.0	1650	3300	70	1.2	1300	3900
灰铸铁-球墨铸铁 (FC, FCD) 硬度300HB以下	ZK50	70	0.6	2980	2380	120	0.6	1750	2800	120	0.8	1400	2800	120	1.0	1100	3300
	ZK501	100	0.5	2580	1550	190	0.4	1400	2200	220	0.5	1150	2300	22			

高进给圆弧铣到ASR多刃型

High feed arc milling to ASR multi-blade

标准切削条件①直柄型

Standard cutting condition 1 straight shank type

标准切削条件②硬质合金刀柄型

Standard cutting condition 2 carbide shank type

工件材料 Work	红字为 推荐材料 Red indicates primary recommended material types	刀径D Cutler diameter		φ16 (2刃) 2Flutes		φ20 (3刃) 3Flutes		φ25 (3刃) 3Flutes		φ32 (3刃) 3Flutes		φ40 (3刃) 3Flutes		
		突出比例 Overhang ratio	通用 General Purpose	高速加工 High Speed Machining	通用 General Purpose	高速加工 High Speed Machining	通用 General Purpose	高速加工 High Speed Machining	通用 General Purpose	高速加工 High Speed Machining	通用 General Purpose	高速加工 High Speed Machining	通用 General Purpose	高速加工 High Speed Machining
碳素钢 Carbon Steels 合金钢 Alloy Steels <30HRC	ZP152 ZP153	n/min	1800	3590	1440	2870	110	2300	900	1900	720	1440	1800	
		Vc(m/min)	90	180	90	180	90	180	90	180	90	180	90	180
		Vf(mm/min)	2880	10660	3460	12060	4600	14720	4500	14400	4320	13830		
		fz(mm/t)	0.8	1.4	0.8	1.4	1.0	1.6	1.0	1.6	1.0	1.6		
		ap(mm)	0.8	0.6	1.0	0.5	1.0	0.5	1.0	0.5	1.0	0.5		
		ae(mm)	13	13	16	16	20	20	25	25	32	32		
		Qc(m3/min)	30	78	55	96	82	147	113	180	138	221		
		Qc(m3/min)	1800	3590	1440	2870	1150	2300	900	1800	720	1440		
预硬化钢 Pre-Harden Steels 合金钢 Alloy Steels 30~40HRC	ZP152 ZP153	n/min	90	180	90	180	90	180	90	180	90	180	180	
		Vc(m/min)	2880	10660	3460	12060	4600	14720	4500	14400	4320	13830		
		fz(mm/t)	0.8	1.4	0.8	1.4	1.0	1.6	1.0	1.6	1.0	1.6		
		ap(mm)	0.8	0.6	1.0	0.5	1.0	0.5	1.0	0.5	1.0	0.5		
		ae(mm)	13	13	16	16	20	20	25	25	32	32		
		Qc(m3/min)	30	78	55	96	82	147	113	180	138	221		
		Qc(m3/min)	1800	3590	1440	2870	1150	2300	900	1800	720	1440		
		Qc(m3/min)	90	180	90	180	90	180	90	180	90	180		
预硬化钢 Pre-Harden Steels 合金钢 Alloy Steels 40~50HRC	ZP153 ZP152	n/min	1800	3590	1440	2870	1150	2300	900	1800	720	1440		
		Vc(m/min)	90	180	90	180	90	180	90	180	90	180		
		Vf(mm/min)	2880	10660	3460	12060	4600	14720	4500	14400	4320	13830		
		fz(mm/t)	0.8	1.4	0.8	1.4	1.0	1.6	1.0	1.6	1.0	1.6		
		ap(mm)	0.8	0.6	1.0	0.5	1.0	0.5	1.0	0.5	1.0	0.5		
		ae(mm)	13	13	16	16	20	20	25	25	32	32		
		Qc(m3/min)	30	78	55	96	82	147	113	180	138	221		
		Qc(m3/min)	1800	2590	1440	2080	1150	1660	900	1300	720	1040		
预硬化钢 Pre-Harden Steels 合金钢 Alloy Steels 50~55HRC	ZP153 ZP163 ZP152	n/min	1800	2590	1440	2080	1150	1660	900	1300	720	1040		
		Vc(m/min)	90	130	90	130	90	130	90	130	90	130		
		Vf(mm/min)	2160	6220	2600	7490	2760	7970	2700	7800	2600	7490		
		fz(mm/t)	0.6	1.2	0.6	1.2	0.6	1.2	0.5	1.2	0.6	1.2		
		ap(mm)	0.5	0.35	0.6	0.35	0.6	0.35	0.6	0.35	0.6	0.35		
		ae(mm)	13	13	16	16	20	20	25	25	32	32		
		Qc(m3/min)	3	3	5	5	7	7	8	8	10	9		
		Qc(m3/min)	1200	2090	960	1600	770	1280	600	1000	480	800		
预硬化钢 Pre-Harden Steels 合金钢 Alloy Steels 58~62HRC	ZP163	n/min	60	100	60	100	60	100	60	100	60	100		
		Vc(m/min)	120	200	150	240	160	260	150	250	150	240		
		Vf(mm/min)	120	200	150	240	160	260	150	250	150	240		
		fz(mm/t)	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05		
		ap(mm)	0.5	0.3	0.5	0.3	0.5	0.3	0.5	0.3	0.5	0.3		
		ae(mm)	13	13	16	16	20	20	25	25	32	32		
		Qc(m3/min)	0.8	0.8	1.2	1.2	1.6	1.6	1.9	1.9	2.4	2.3		
		Qc(m3/min)	1800	3590	1440	2870	1150	2300	900	1800	720	1440		
不锈钢 Stainless Steels SUS	ZP153 (ZP152)	n/min	90	180	90	180	90	180	90	180	90	180		
		Vc(m/min)	1800	7180	2160	8610	2300	9200	2250	9000	2160	8640		
		fz(mm/t)	0.5	1.0	0.5	1.0	0.5	1.0	0.5	1.0	0.5	1.0		
		ap(mm)	0.8	0.6	1.0	0.5	1.0	0.5	1.0	0.5	1.0	0.5		
		ae(mm)	13	13	16	16	20	20	25	25	32	32		
		Qc(m3/min)	19	56	35	69	46	92	56	113	69	138		
		Qc(m3/min)	1800	3590	1440	2870	1150	2300	900	1800	720	1440		
		Qc(m3/min)	90	180	90	180	90	180	90	180	90	180		
铸铁 Cast Iron FC FCD	ZK50	n/min	4320	11490	6050	15500	6440	16560	6300	16200	6050	15560		
		Vc(m/min)	1.2	1.6	1.4	1.8	1.4	1.8	1.4	1.8	1.4	1.8		
		ap(mm)	1.0	0.8	1.25	1.0	1.25	1.0	1.25	1.0	1.25	1.0		
		ae(mm)	13	13	16	16	20	20	25	25	32	32		
		Qc(m3/min)	56	119	121	248	181	331	197	405	242	498		
		最大 Maximum fz(mm/t)	<1.8 (通用余<1.0) General Purpose		<1.8 (通用余<1.0) General Purpose		<1.8 (通用余<1.0) General Purpose		<1.8 (通用余<1.0) General Purpose		<1.8 (通用余<1.0) General Purpose		<1.8 (通用余<1.0) General Purpose	
		最大 Maximum ap(mm)	<1.25 (通用余<1.0) General Purpose		<1.25 (通用余<1.0) General Purpose		<1.5 (通用余<1.0) General Purpose		<1.5 (通用余<1.0) General Purpose		<1.5 (通用余<1.0) General Purpose		<1.5 (通用余<1.0) General Purpose	

标准切削条件③刀盘型 Recommended Cutting Conditions for Bore Type

工件材料 Work	红字为 推荐材料 Red indicates primary recommended material types	刀径D Cutler diameter		φ50 (5刃) 5Flutes		φ52 (7刃) 7Flutes		φ63 (6刃) 6Flutes		φ66 (8刃) 8Flutes			
		突出比例 Overhang ratio	通用 General Purpose	高速加工 High Speed Machining	通用 General Purpose	高速加工 High Speed Machining	通用 General Purpose	高速加工 High Speed Machining	通用 General Purpose	高速加工 High Speed Machining	通用 General Purpose	高速加工 High Speed Machining	
碳素钢 Carbon Steels 合金钢 Alloy Steels <30HRC	ZP152 ZP153	n/min	580	1150	830	830	580	1110	800	800	560	460	
		Vc(m/min)	90	180	130	130	90	180	130	130	90	180	
		Vf(mm/min)	1370	1260	4150	4150	2900	3920	12440	5600	5600	3920	3920
		fz(mm/t)	1.3	1.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
		ap(mm)	1.0	0.8	1.0	0.7	0.5	1.0	0.5	0.8	0.5	0.4	1.0
		ae(mm)	40	40	40	40	40	40	40	40	40	40	40
		Qc(m3/min)	151	294	166	116	58	157	249	119	112	63	180
		Qc(m3/min)	580	1150	830	830	580	560	1110	800	800	560	460
预硬化钢 Pre-Harden Steels 合金钢 Alloy Steels 30~40HRC	ZP152 ZP153	n/min	370	920	4150	4150	2900	3920	12440	5600	5600	3920	
		Vc(m/min)	90	180	130	130	90	180	130	130	90	180	
		Vf(mm/min)	3700	1800	4150	4150	2900	3920	12440	5600	5600	3920	
		fz(mm/t)	1.3	1.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
		ap(mm)	1.0	0.8	1.0	0.7	0.5	1.0	0.5	0.8	0.5	0.4	1.0
		ae(mm)	40	40	40	40	40	40	40	40	40	40	40
		Qc(m3/min)	151	294	166	116	58	157	249	119	112	63	180
		Qc(m3/min)	580	830	580	580	580	560	830	580	560	460	460
预硬化钢 Pre-Harden Steels 合金钢 Alloy Steels 40~50HRC	ZP153 ZP152	n/min	2320	3320	2320	2320	2320	2320	2320	2320	2320	2320	
		Vc(m/min)	90	130	90	90	90	90	90	90	90	90	
		Vf(mm/min)	2320	3320	2320	2320	2320	2320	2320	2320	2320	2320	
		fz(mm/t)	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	
		ap(mm)	1.0	1.0	1.0	0.7	0.5	0.6	0.35	0.5	0.4	0.3	1.0
		ae(mm)	40	40	40	40	40	40	40	40	40	40	40
		Qc(m3/min)	93	133	93	65	46	97	94	47	38	28	111
		Qc(m3/min)	570	770	510	510	510	490	740	490	490	410	610
预硬化钢 Pre-Harden Steels 合金钢 Alloy Steels 50~55HRC	ZP163 ZP152	n/min	510	770	540	510	510	690	1040	690	690	500	
		Vc(m/min)	80	120	80	80	80	80	120	80	80	80	
		Vf(mm/min)	510	770	540	510	510	690	1040	690	690	500	
		fz(mm/t)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
		ap(mm)	1.0	1.0	1.0	0.7	0.5	0.4	0.25	0.35	0.25	0.15	1.0
		ae(mm)	40	40	40	40	40	40	40	40	40	40	40
		Qc(m3/min)	20	31	20	14	10	11	10	7	4	25	37
		Qc(m3/min)	390	640	380	390	390	370	370	370	310	510	310
预硬化钢 Pre-Harden Steels 合金钢 Alloy Steels 58~62HRC	ZP163	n/min	390	640	380	390	390	370	370	370	370	370	
		Vc(m/min)	60	100	60	60	60	60	100	60	60	60	
		Vf(mm/min)	100	160	100	100	100	100	130	100	100	100	
		fz(mm/t)	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	
		ap(mm)	0.5	0.5	0.5	0.5	0.5	0.5	0.3	0.5	0.5	0.5	
		ae(mm)	40	40	40	40	40	40	40	40	40	40	
		Qc(m3/min)	2.0	3.2	2.0	2.0	2.0	2.6	2.6	1.6	1.0	2.5	4.0
		Qc(m3/min)	580	1150	860	580							

推荐切削参数

Recommended Cutting Parameters

超级迷你小径铣刀ASM型 Super Mini Path Milling ASM

EDMT型刀片肩削标准切削条件: 高进给低切削

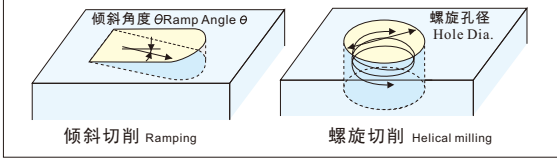
Side Milling standard cutting conditions for EDMT-type inserts: Low cutting depth, high feed rate

工件材料 Work material	红字为第一推荐材料 Red indicates primary recommended material type	外径Dc Tool diameter	φ8	φ10	φ12	φ14	φ16	φ20	φ25	φ32
			(1.7)	(2.7)	(3.3)	(3.7)	(4.7)	(5.7)	(6.7)	(8.7)
碳素钢 合金钢 球铁 S-C SKD SGT <30HRC Carbon Steels Alloy Steels Ductile Steels	ZP152 (Vc=100-180)	Vc(m/min)	120	120	120	120	120	120	120	120
		Vf(mm/min)	~2870	~4590	~5730	~6550	~7640	~7640	~7640	~7640
		fz(mm/t)	-0.6	-0.6	-0.6	-0.8	-0.8	-0.8	-0.8	-0.8
		ap(mm)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
		ae(mm)	-3	-5	-7	-8	-10	-11	-17	-22
		Q/c m3/min	3	7	12	16	23	25	37	50
		Q/c m3/min	4300	3520	2390	2500	2190	1750	1400	1090
预硬化钢 合金钢 球铁 SCM SKD SGT 30-40HRC Prehardened Steels Alloy Steels Ductile Steels	ZP152 (Vc=100-160)	Vc(m/min)	110	110	110	110	110	110	110	110
		Vf(mm/min)	~2630	~4200	~5260	~6010	~7010	~7010	~7010	~7010
		fz(mm/t)	-0.6	-0.6	-0.6	-0.8	-0.8	-0.8	-0.8	-0.8
		ap(mm)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
		ae(mm)	-3	-5	-7	-8	-10	-11	-17	-22
		Q/c m3/min	3	6	11	14	21	23	34	46
		Q/c m3/min	4300	3520	2390	2500	2190	1750	1400	1090
预硬化钢 合金钢 球铁 SCM SKD SGT 30-40HRC Prehardened Steels Alloy Steels Ductile Steels	ZP152 (Vc=60-120)	Vc(m/min)	90	90	90	90	90	90	90	90
		Vf(mm/min)	~1430	~2290	~2870	~3690	~4300	~4300	~4130	~4300
		fz(mm/t)	-0.4	-0.4	-0.4	-0.6	-0.6	-0.6	-0.6	-0.6
		ap(mm)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
		ae(mm)	-3	-5	-7	-8	-10	-11	-17	-22
		Q/c m3/min	1	3	6	9	13	14	21	28
		Q/c m3/min	3580	2870	2390	2050	1790	1430	1150	900
不锈钢 SUS Stainless Steels	ZP152 (Vc=80-120)	Vc(m/min)	90	90	90	90	90	90	90	90
		Vf(mm/min)	~1430	~2290	~2870	~3690	~4300	~4300	~4130	~4300
		fz(mm/t)	-0.4	-0.4	-0.4	-0.6	-0.6	-0.6	-0.6	-0.6
		ap(mm)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
		ae(mm)	-3	-5	-7	-8	-10	-11	-17	-22
		Q/c m3/min	1	3	6	9	13	14	21	28
		Q/c m3/min	3580	2870	2390	2050	1790	1430	1150	900
铸铁 FC, FCD Cast Iron	ZK50 (Vc=120-220)	Vc(m/min)	150	150	150	150	150	150	150	150
		Vf(mm/min)	3580	~8730	~7170	~8190	~9550	~9550	~9170	~9550
		fz(mm/t)	-0.6	-0.6	-0.6	0.8	-0.8	-0.8	-0.8	-0.8
		ap(mm)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
		ae(mm)	-3	-5	-7	-8	-10	-11	-17	-22
		Q/c m3/min	3	9	15	20	29	32	47	63
		Q/c m3/min	5070	4780	3980	3410	2990	2390	1910	1490
淬火钢 (50-60HRC) Hardened Steels	ZP163 (Vc=60-100)	Vc(m/min)	60	60	60	60	60	60	60	60
		Vf(mm/min)	~720	~1150	~1430	~1630	~1900	~1900	~1620	~1900
		fz(mm/t)	-0.3	-0.3	-0.3	-0.4	-0.4	-0.4	-0.4	-0.4
		ap(mm)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
		ae(mm)	-3	-5	-7	-8	-10	-11	-17	-22
		Q/c m3/min	0.4	1	2	2	3	3	6	8
		Q/c m3/min	2390	1910	1500	1360	1190	950	760	600

- [注意] ①根据工件材料, 加工形状, 请使用合适的冷却液。
 ②此标准切削条件表中的数值为切削条件的基本值, 实际加工时, 请考虑加工形状, 目的, 使用机床等因素, 对切削条件进行调整。
 ③槽切削, 倾斜切削时, 请将进给量设定为约70%
 ④刀片应尽早更换, 以防过度使用造成破损
 ⑤排出的切屑可能会四处飞溅, 割伤或烫伤操作人员, 也可能溅入眼睛而导致受伤。故在使用时应在其周围安装防护罩, 操作人员应穿戴防护镜等防护用具, 确保在安全的环境下作业。

EDMT型刀片的倾斜切削 Ramping with EDMT-type inserts

由于刀口未及中心, 故倾斜角度和孔径受到限制, 但若采用下图所示的倾斜切削或螺旋切削, 及时无导孔, 也可进行直接刻模加工。Sine the cutting flute to not extend to the center. There are limitations on the ramp angle and hole diameter. But as shown below. Processing by direct milling without a pilot hole is possible for ramping and helical milling.



使用刀片 Inserts		EDMT0702									
外径 Dc Tool diameter		φ8	φ10	φ12	φ14	φ16	φ17	φ20	φ21	φ25	φ32
倾斜角θ Maximum Ramp Angleθ		6.4°	6.6°	4.1°	2.9°	2.2°	2.0°	1.4°	1.3°	1°	0.8°
螺旋孔径 Hole Dia.		10~15	13~19	17~23	21~27	25~31	27~33	33~39	35~41	43~49	57~63

- [注意] ①倾斜度θ的设定不要超出上述范围, 推荐在0.5°以下使用。
 ②孔径超出上述范围时, 请钻导孔后再进行加工。

使用刀片 Inserts

Fig-3 JDMT07020 R 刃长5mm的肩削加工刀片 Insert with 5mm cutting edge for shoulder cutting (apmax:0.5mm)

Fig-4 JDMT07020 R(T) 角2.0mm小切深高速切削刀片 Insert with 2.0mm corner R for small-depth, high-feed-rate cutting (apmax:0.3mm)

产品代码 Item Code	精度 Tolerance Class	JM涂层 JM Coated	JX涂层 JX Coated	TH涂层 TH Coated	DLC涂层 DLC Coated	尺寸 Size(mm)			形状 Shape		
						A	B	T			
JDMT07020R	M	●	●	●	●	6.4	4.3	0.2	2.45	Fig-3	
JDMT070204R	M	●	●	●	●	6.4	4.3	0.4	2.45		
JDMT070208R	M	●	●	●	●	6.4	4.3	0.8	2.45		
JDMT070220R-T	M	●	●	●	●	6.4	4.3	2	2.5		Fig-4 标准型 Standard type
JDMT070220R	M	●	●	●	●	6.4	4.3	2	2.5		

零件号 Parts * : Stocked Items of New Products * : Stocked Items No Mark: Manufactured upon request only

零件名 Parts	形状 Shape	尖头螺钉 Clamp screw	螺丝刀 Screw Driver	螺旋防卡剂 Screw burning protective agent
通用刀具 Cutter body				
ASM1J07020R-C-S-C-R-C		240-140	104-T6	P-37

实例说明 Field Data

No.	外径Dc Tool	刀具 Cutter	刀片 Insert	工件材料 Work material	使用条件 Test conditions	结果 Result
1	10	ASM0710S10R-2	EDMT070220R-T (Jx1020)	SCM	Vc=80m/min, vf=4,000mm/min Apxaa=0.3x10mm(磨加工) Dry Slotted	与其他公司整体铣刀相比, 寿命1.5倍 1.5x the tool life of solid end mills from other companies
2	12	ASM0712S12R-3	EDMT070220R (Jx1020)	SKT4 (HRC43)	Vc=110m/min, vf=3,600mm/min Apxaa=0.3x4mm, Dry	寿命50 min良好 Good tool life of 50 min.
3	12	ASM0712S12R-3	EDMT07220R-T (Jx1020)	S55C	Vc=150m/min, vf=8,000mm/min Apxaa=0.3x12mm(磨加工) Dry Slotted	与其他公司磨削铣刀相比效率可提升1.2倍 Efficiency increase of 1.2x compared to Radius tools from other companies is possible.
4	20	ASM0720R-5	EDMT070220R-T (Jx1020)	SCM	Vc=150m/min, vf=7,200mm/min Apxaa=0.3x12mm, Dry	切削后无毛刺, B130机床可实现高效率加工 Cutting force is low, and B130 machines can achieve high efficiency machining.
5	12	ASM0712S12R-3	JDMT070204R (PTH30E)	SUS304	Vc=120m/min, vf=870mm/min Apxaa=1x8mm, Dry	与其他公司刀片相比, 寿命1.5倍 1.5x the tool life of insert tools from competitor
6	20	ASM0720R-5	EDMT070220R (Jp4020)	HPM-MAGIC	Vc=90m/min, vf=4,300mm/min Apxaa=0.3x10mm, Dry	突出量为90mm, 切削性能与寿命良好 Good cutting performance and good tool life with O.H.90mm
7	10	ASM0710R-2	JDMT070208R (S65010)	GRAPHITE	Vc=1000m/min, vf=10,000mm/min Apxaa=0.6x4.0mm, Dry	突出量为90mm, 切削性能良好。 寿命为以往产品2倍 Good cutting performance with O.H.90mm 2x the tool life of conventional products.

- CBN
- PCD
- 立装螺纹
- 切槽加工
- 通用螺纹
- 钻孔
- 通用铣削
- 铣削对策
- 钻铣加工
- 粗铣加工
- T型槽加工
- 直角台肩
- 快进给铣刀
- 圆鼻铣刀
- 球刀
- 技术标准
- 技术资料

EMR/EMRW圆鼻铣刀 EMR/EMRW round nose milling cutter

推荐切削条件 Recommended cutting conditions ■ 切削速度 (m/min)

工件材料	硬度	涂层			
		ZP153	ZP152	硬质合金	
P	软钢	≤HB180	250(200-300)	250(200-300)	150(100-200)
	碳钢、合金钢	HB180-280	180(130-220)	180(130-220)	140(100-170)
		HB280-380	160(110-190)	160(110-190)	100(70-120)
	预硬钢	HRC35-45	120(80-140)	120(80-140)	90(60-100)
M	高合金钢	HB300	130(90-160)	130(90-160)	100(70-120)
K	不锈钢	≤HB260	180(130-220)	180(130-220)	140(100-170)
	灰铸铁	抗拉强度 ≤350MPa	-	170(130-220)	140(100-170)
	球墨铸铁	抗拉强度 360-500MPa	-	140(100-180)	120(80-140)
H	抗拉强度 500-800MPa	-	110(80-140)	90(70-110)	-
	高硬度钢	HRC45-60	-	60(50-100)	60(40-70)

■ 每刃进给量 (mm/tooth) 注 粗体字为首选材料

形式	切削深度 (mm)							
	1	2	3	4	5	6	7	8
R4	0.40	0.30	0.20	0.10	-	-	-	-
R5	0.40	0.35	0.30	0.20	0.10	-	-	-
R6	0.50	0.40	0.30	0.25	0.23	0.20	-	-
R8	0.60	0.50	0.45	0.40	0.33	0.30	0.25	0.20



形式	刀具直径 (φ)	最大倾斜角度 α°max	tan α	最大倾斜角度时的最大切削长度L(mm) *				
				d=2mm	d=4mm	d=5mm	d=6mm(max.)	d=8mm(max.)
R4	12	5.02	0.088	22	45	-	-	-
	16	12.2	0.216	9	18	-	-	-
	20	14.52	0.259	7	15	-	-	-
	25	8.8	0.155	12	25	-	-	-
R5	16	4.52	0.079	25	50	63	-	-
	20	11.4	0.202	9	19	24	-	-
	25	14.4	0.257	7	15	19	-	-
	32	8.37	0.147	13	27	33	-	-
R6	32	15.91	0.285	7	14	17	21	-
	40	10.29	0.181	11	22	27	33	-
	50	7.12	0.125	16	32	40	48	-
	63	5.08	0.089	22	44	56	67	-
R8	80	3.69	0.064	31	62	77	93	-
	40	18.86	0.342	5	11	14	17	23
	50	11.91	0.211	9	18	23	28	37
	63	8.01	0.141	14	28	35	42	56
H	80	5.60	0.098	20	40	50	61	81
	100	4.13	0.072	27	55	69	83	110

通用铣削

形式	刀具直径 (φ)	最大倾斜角度 α°max	tan α	d=2mm	d=4mm	d=5mm	d=6mm(max.)	d=8mm(max.)
R4	12	5.02	0.088	22	45	-	-	-
	16	12.2	0.216	9	18	-	-	-
	20	14.52	0.259	7	15	-	-	-
	25	8.8	0.155	12	25	-	-	-
R5	16	4.52	0.079	25	50	63	-	-
	20	11.4	0.202	9	19	24	-	-
	25	14.4	0.257	7	15	19	-	-
	32	8.37	0.147	13	27	33	-	-
R6	32	15.91	0.285	7	14	17	21	-
	40	10.29	0.181	11	22	27	33	-
	50	7.12	0.125	16	32	40	48	-
	63	5.08	0.089	22	44	56	67	-
R8	80	3.69	0.064	31	62	77	93	-
	40	18.86	0.342	5	11	14	17	23
	50	11.91	0.211	9	18	23	28	37
	63	8.01	0.141	14	28	35	42	56
H	80	5.60	0.098	20	40	50	61	81
	100	4.13	0.072	27	55	69	83	110

粗铣加工

形式	刀具直径 (φ)	最大倾斜角度 α°max	tan α	d=2mm	d=4mm	d=5mm	d=6mm(max.)	d=8mm(max.)
R4	12	5.02	0.088	22	45	-	-	-
	16	12.2	0.216	9	18	-	-	-
	20	14.52	0.259	7	15	-	-	-
	25	8.8	0.155	12	25	-	-	-
R5	16	4.52	0.079	25	50	63	-	-
	20	11.4	0.202	9	19	24	-	-
	25	14.4	0.257	7	15	19	-	-
	32	8.37	0.147	13	27	33	-	-
R6	32	15.91	0.285	7	14	17	21	-
	40	10.29	0.181	11	22	27	33	-
	50	7.12	0.125	16	32	40	48	-
	63	5.08	0.089	22	44	56	67	-
R8	80	3.69	0.064	31	62	77	93	-
	40	18.86	0.342	5	11	14	17	23
	50	11.91	0.211	9	18	23	28	37
	63	8.01	0.141	14	28	35	42	56
H	80	5.60	0.098	20	40	50	61	81
	100	4.13	0.072	27	55	69	83	110

T型槽加工

形式	刀具直径 (φ)	最大倾斜角度 α°max	tan α	d=2mm	d=4mm	d=5mm	d=6mm(max.)	d=8mm(max.)
R4	12	5.02	0.088	22	45	-	-	-
	16	12.2	0.216	9	18	-	-	-
	20	14.52	0.259	7	15	-	-	-
	25	8.8	0.155	12	25	-	-	-
R5	16	4.52	0.079	25	50	63	-	-
	20	11.4	0.202	9	19	24	-	-
	25	14.4	0.257	7	15	19	-	-
	32	8.37	0.147	13	27	33	-	-
R6	32	15.91	0.285	7	14	17	21	-
	40	10.29	0.181	11	22	27	33	-
	50	7.12	0.125	16	32	40	48	-
	63	5.08	0.089	22	44	56	67	-
R8	80	3.69	0.064	31	62	77	93	-
	40	18.86	0.342	5	11	14	17	23
	50	11.91	0.211	9	18	23	28	37
	63	8.01	0.141	14	28	35	42	56
H	80	5.60	0.098	20	40	50	61	81
	100	4.13	0.072	27	55	69	83	110

直角台

形式	刀具直径 (φ)	最大倾斜角度 α°max	tan α	d=2mm	d=4mm	d=5mm	d=6mm(max.)	d=8mm(max.)
R4	12	5.02	0.088	22	45	-	-	-
	16	12.2	0.216	9	18	-	-	-
	20	14.52	0.259	7	15	-	-	-
	25	8.8	0.155	12	25	-	-	-
R5	16	4.52	0.079	25	50	63	-	-
	20	11.4	0.202	9	19	24	-	-
	25	14.4	0.257	7	15	19	-	-
	32	8.37	0.147	13	27	33	-	-
R6	32	15.91	0.285	7	14	17	21	-
	40	10.29	0.181	11	22	27	33	-
	50	7.12	0.125	16	32	40	48	-
	63	5.08	0.089	22	44	56	67	-
R8	80	3.69	0.064	31	62	77	93	-
	40	18.86	0.342	5	11	14	17	23
	50	11.91	0.211	9	18	23	28	37
	63	8.01	0.141	14	28	35	42	56
H	80	5.60	0.098	20	40	50	61	81
	100	4.13	0.072	27	55	69	83	110

快进给铣刀

形式	刀具直径 (φ)	最大倾斜角度 α°max	tan α	d=2mm	d=4mm	d=5mm	d=6mm(max.)	d=8mm(max.)
R4	12	5.02	0.088	22	45	-	-	-
	16	12.2	0.216	9	18	-	-	-
	20	14.52	0.259	7	15	-	-	-
	25	8.8	0.155	12	25	-	-	-
R5	16	4.52	0.079	25	50	63	-	-
	20	11.4	0.202	9	19	24	-	-
	25	14.4	0.257	7	15	19	-	-
	32	8.37	0.147	13	27	33	-	-
R6	32	15.91	0.285	7	14	17	21	-
	40	10.29	0.181	11	22	27	33	-
	50	7.12	0.125	16	32	40	48	-
	63	5.08	0.089	22	44	56	67	-
R8	80	3.69	0.064	31	62	77	93	-
	40	18.86	0.342	5	11	14	17	23
	50	11.91	0.211	9	18	23	28	37
	63	8.01	0.141	14	28	35	42	56
H	80	5.60	0.098	20	40	50	61	81
	100	4.13	0.072	27	55	69	83	110

圆鼻铣刀

工件材料 Workpiece material	硬度 hardness	刀片材料	切削速度 VC (m/min)	ARX25R***SA***S ARX25R***M***A***S			ARX30R***SA***S ARX30R***M***A***S			ARX35R***SA***S ARX35R***M***A***S		
				切削深度 ap(mm)	每刃进给量 az(mm/tooth)	切削速度 vc(m/min)	切削深度 ap(mm)	每刃进给量 az(mm/tooth)	切削速度 vc(m/min)	切削深度 ap(mm)	每刃进给量 az(mm/tooth)	切削速度 vc(m/min)
P	软钢 (SS400, S10C等)	≤HB180	ZP152	180(150-220)	≤1.0	≤0.5	≤1.2	≤0.5	≤1.5	≤0.5	≤0.5	
	碳素、合金钢 (S50C, SCM440等)	HB180-350	ZP152	160(120-200)	≤0.7	≤0.3	≤0.9	≤0.3	≤1.2	≤0.3	≤0.3	
M	不锈钢 (SUS304等)	≤HB270	ZP152	150(120-180)	≤0.7	≤0.3	≤0.9	≤0.3	≤1.2	≤0.3	≤0.3	
K	灰铸铁 (FC300等)	抗拉强度 ≤350MPa	ZK50	180(150-220)	≤1.0	≤0.5	≤1.2	≤0.5	≤1.5	≤0.5	≤0.5	
	球墨铸铁 (FCD450等)	抗拉强度 ≤800MPa	ZK501	120(80-160)	≤1.0	≤0.5	≤1.2	≤0.5	≤1.5	≤0.5	≤0.5	
H	高硬度钢	<HRC50	ZP153	80(50-120)	≤0.5	≤0.2	≤0.7	≤0.2	≤1.0	≤0.2	≤0.2	
		≥HRC50	ZP163	80(50-120)	≤0.3	≤0.2	≤0.4	≤0.2	≤0.5	≤0.2	≤0.2	

切入加工
Plunge processing

工件材料 Workpiece material	硬度 hardness	刀片材料	切削速度 VC (m/min)	ARX25R***SA***S ARX25R***M***A***S			ARX30R***SA***S		
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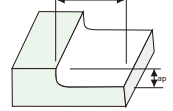
推荐切削参数

Recommended Cutting Parameters

TRS圆弧铣刀切削参数

TRS Arc Milling Cutter Cutting Parameters

<肩切削> Side milling



工件材料 Work material	刀片材料 Grade	切削速度 Cutting Speed M/min	使用机床 Machine	每刃进给量 Feed rate mm/min	φ20 (2刃2Flutes r4)			φ25 (2刃2Flutes r5)			φ32 (3刃3Flutes r5)			φ40 (3刃3Flutes r6)			φ50 (4刃4Flutes r6)			φ40 (2刃 4Flutes r8)			φ50 (3刃 4Flutes r8)			φ63 (3刃 4Flutes r8)		
					转速 rpm	进给速度 mm/min	Q值 mm/min	转速 rpm	进给速度 mm/min	Q值 mm/min	转速 rpm	进给速度 mm/min	Q值 mm/min	转速 rpm	进给速度 mm/min	Q值 mm/min	转速 rpm	进给速度 mm/min	Q值 mm/min	转速 rpm	进给速度 mm/min	Q值 mm/min	转速 rpm	进给速度 mm/min	Q值 mm/min	转速 rpm	进给速度 mm/min	Q值 mm/min
普通结构用钢 Mild Steels (200HB以下)	ZP152 ZP151	150-250	BT40	0.3-0.8	3980	3180	28.6	3180	2540	28.6	2490	2990	43.1	1990	2990	71.8	1590	3180	95.4	1990	1990	47.8	1590	2390	71.7	1260	1890	71.4
					vc=250m/min fz=0.4mm/t ap=1.5mm ae=0.3Dc			vc=250m/min fz=0.4mm/t ap=1.5mm ae=0.5Dc			vc=250m/min fz=0.8mm/t ap=2mm ae=0.3Dc			vc=250m/min fz=0.8mm/t ap=2mm ae=0.5Dc			vc=250m/min fz=0.5mm/t ap=2mm ae=0.3Dc			vc=250m/min fz=0.5mm/t ap=2mm ae=0.5Dc			vc=250m/min fz=0.8mm/t ap=2.5mm ae=0.3Dc			vc=250m/min fz=0.8mm/t ap=2.5mm ae=0.5Dc		
碳素钢、合金钢 Carbon Steels Alloy Steels (30HRc以下)	ZP152 ZP151	120-230	BT40	0.3-0.8	3180	2540	22.9	2550	2040	23	1990	2390	34.4	1590	1910	45.8	1270	2030	60.9	1590	1270	30.5	1270	1520	45.6	1010	1210	45.7
					vc=200m/min fz=0.4mm/t ap=1.5mm ae=0.3Dc			vc=200m/min fz=0.4mm/t ap=1.5mm ae=0.5Dc			vc=200m/min fz=0.6mm/t ap=2mm ae=0.3Dc			vc=200m/min fz=0.6mm/t ap=2mm ae=0.5Dc			vc=200m/min fz=0.4mm/t ap=2mm ae=0.3Dc			vc=200m/min fz=0.4mm/t ap=2mm ae=0.5Dc			vc=200m/min fz=0.8mm/t ap=2.5mm ae=0.3Dc			vc=200m/min fz=0.8mm/t ap=2.5mm ae=0.5Dc		
碳素钢、合金钢 Carbon Steels Alloy Steels (30~40HRc)	ZP152 ZP151	100-200	BT40	0.2-0.6	2390	960	8.6	1910	760	8.6	1490	890	12.8	1190	710	17	960	770	23.1	1190	480	11.5	960	580	17.4	760	460	17.4
					vc=150m/min fz=0.2mm/t ap=1.5mm ae=0.3Dc			vc=150m/min fz=0.2mm/t ap=1.5mm ae=0.5Dc			vc=150m/min fz=0.8mm/t ap=2mm ae=0.3Dc			vc=150m/min fz=0.8mm/t ap=2mm ae=0.5Dc			vc=150m/min fz=0.2mm/t ap=2mm ae=0.3Dc			vc=150m/min fz=0.2mm/t ap=2mm ae=0.5Dc			vc=150m/min fz=0.8mm/t ap=2.5mm ae=0.3Dc			vc=150m/min fz=0.8mm/t ap=2.5mm ae=0.5Dc		
碳素钢、合金钢 Carbon Steels Alloy Steels (40~45HRc)	ZP153 ZP152	60-150	BT40	0.15-0.3	1590	480	2.9	1270	380	2.9	990	450	4.3	800	360	6.5	640	380	8.6	800	240	4.3	640	290	6.5	760	910	71.7
					vc=100m/min fz=0.15mm/t ap=1mm ae=0.3Dc			vc=100m/min fz=0.15mm/t ap=1mm ae=0.5Dc			vc=150m/min fz=0.3mm/t ap=2mm ae=0.3Dc			vc=150m/min fz=0.3mm/t ap=2mm ae=0.5Dc			vc=100m/min fz=0.3mm/t ap=1.5mm ae=0.3Dc			vc=100m/min fz=0.3mm/t ap=1.5mm ae=0.5Dc			vc=150m/min fz=0.8mm/t ap=2.5mm ae=0.3Dc			vc=150m/min fz=0.8mm/t ap=2.5mm ae=0.5Dc		
淬火热处理 FC, FCD	ZK50	100-220	BT40	0.3-1.0	2860	2860	42.9	2290	2290	42.9	1790	2690	64.6	1430	3430	137.2	1150	3680	184	1430	2290	114.5	1150	2760	172.5	910	2180	117.7
					vc=180m/min fz=0.4mm/t ap=1.5mm ae=0.3Dc			vc=180m/min fz=0.4mm/t ap=1.5mm ae=0.5Dc			vc=180m/min fz=0.8mm/t ap=2mm ae=0.3Dc			vc=180m/min fz=0.8mm/t ap=2mm ae=0.5Dc			vc=180m/min fz=0.5mm/t ap=2mm ae=0.3Dc			vc=180m/min fz=0.5mm/t ap=2mm ae=0.5Dc			vc=180m/min fz=0.8mm/t ap=2.5mm ae=0.3Dc			vc=180m/min fz=0.8mm/t ap=2.5mm ae=0.5Dc		

<侧铣> Side milling

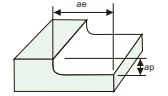
工件材料 Work material	刀片材料 Grade	切削速度 Cutting Speed M/min	使用机床 Machine	每刃进给量 Feed rate mm/min	φ40(3刃 3Flutes r5)			φ50(5刃 5Flutes r5)			φ63(6刃 6Flutes r5)			φ80(6刃 6Flutes r5)			φ40(3刃 3Flutes r6)			φ50(4刃 4Flutes r6)			φ40(2刃 4Flutes r8)			φ50(3刃 4Flutes r8)			φ63(3刃 4Flutes r8)		
					转速 rpm	进给速度 mm/min	Q值 mm/min	转速 rpm	进给速度 mm/min	Q值 mm/min	转速 rpm	进给速度 mm/min	Q值 mm/min	转速 rpm	进给速度 mm/min	Q值 mm/min	转速 rpm	进给速度 mm/min	Q值 mm/min	转速 rpm	进给速度 mm/min	Q值 mm/min	转速 rpm	进给速度 mm/min	Q值 mm/min	转速 rpm	进给速度 mm/min	Q值 mm/min	转速 rpm	进给速度 mm/min	Q值 mm/min
普通结构用钢 Mild Steels (200HB以下)	ZP152 ZP151	150-250	BT40	0.3-0.8	1990	2990	71.8	1590	3975	95.4	1260	3780	142.9	1000	4800	384	800	3200	320	1260	3020	237.8	1000	3200	320	800	3200	400	640	3070	479.7
					vc=250m/min fz=0.5mm/t ap=2mm ae=0.3Dc			vc=250m/min fz=0.8mm/t ap=2mm ae=0.5Dc			vc=250m/min fz=0.5mm/t ap=2mm ae=0.3Dc			vc=250m/min fz=0.5mm/t ap=2mm ae=0.5Dc			vc=250m/min fz=0.8mm/t ap=2mm ae=0.3Dc			vc=250m/min fz=0.8mm/t ap=2mm ae=0.5Dc			vc=250m/min fz=0.5mm/t ap=2mm ae=0.3Dc			vc=250m/min fz=0.5mm/t ap=2mm ae=0.5Dc			vc=250m/min fz=0.8mm/t ap=2.5mm ae=0.3Dc		
碳素钢、合金钢 Carbon Alloy Steels (30HRc以下)	ZP152 ZP151	120-230	BT40	0.3-0.8	1590	1910	45.8	1270	2540	60.9	1010	2420	91.5	800	2880	230.4	640	1920	192	1010	2120	167	800	2240	224	640	2240	280	510	2140	344.4
					vc=200m/min fz=0.4mm/t ap=2mm ae=0.3Dc			vc=200m/min fz=0.4mm/t ap=2mm ae=0.5Dc			vc=200m/min fz=0.8mm/t ap=2mm ae=0.3Dc			vc=200m/min fz=0.8mm/t ap=2mm ae=0.5Dc			vc=200m/min fz=0.2mm/t ap=2mm ae=0.3Dc			vc=200m/min fz=0.2mm/t ap=2mm ae=0.5Dc			vc=200m/min fz=0.8mm/t ap=2.5mm ae=0.3Dc			vc=200m/min fz=0.8mm/t ap=2.5mm ae=0.5Dc			vc=200m/min fz=0.8mm/t ap=2.5mm ae=0.3Dc		
碳素钢、合金钢 Carbon Alloy Steels (30~40HRc)	ZP152 ZP151	100-200	BT40	0.2-0.6	1190	710	17	960	960	23.1	760	910	34.4	480	720	72	760	910	71.7	600	960	96	480	960	120	380	910	142.2			
					vc=150m/min fz=0.2mm/t ap=2mm ae=0.3Dc			vc=150m/min fz=0.2mm/t ap=2mm ae=0.5Dc			vc=150m/min fz=0.3mm/t ap=2mm ae=0.3Dc			vc=150m/min fz=0.3mm/t ap=2mm ae=0.5Dc			vc=150m/min fz=0.2mm/t ap=2mm ae=0.3Dc			vc=150m/min fz=0.2mm/t ap=2mm ae=0.5Dc			vc=150m/min fz=0.8mm/t ap=2.5mm ae=0.3Dc			vc=150m/min fz=0.8mm/t ap=2.5mm ae=0.5Dc			vc=150m/min fz=0.8mm/t ap=2.5mm ae=0.3Dc		
碳素钢、合金钢 Carbon Alloy Steels (40~45HRc)	ZP153 ZP152	60-150	BT40	0.15-0.3	800	360	6.5	640	480	8.6	510	460	130	400	480	28.8	320	320	24	510	310	19.5	400	320	25.6	320	320	32	250	300	37.5
					vc=100m/min fz=0.15mm/t ap=1.5mm ae=0.3Dc			vc=100m/min fz=0.15mm/t ap=1.5mm ae=0.5Dc			vc=100m/min fz=0.2mm/t ap=2mm ae=0.3Dc			vc=100m/min fz=0.2mm/t ap=2mm ae=0.5Dc			vc=100m/min fz=0.3mm/t ap=1.5mm ae=0.3Dc			vc=100m/min fz=0.3mm/t ap=1.5mm ae=0.5Dc			vc=100m/min fz=0.8mm/t ap=2.5mm ae=0.3Dc			vc=100m/min fz=0.8mm/t ap=2.5mm ae=0.5Dc			vc=100m/min fz=0.8mm/t ap=2.5mm ae=0.3Dc		
淬火热处理 Hardened Steels (45~50HRc)	ZP163 ZP153	60-150	BT40	0.15-0.3	640	290	3.5	510	383	4.7	400	360	6.8	250	210	10.5	400	240	11.3	320	260	15.6	250	250	18.8	200	240	22.5			
					vc=80m/min fz=0.15mm/t ap=1mm ae=0.3Dc			vc=80m/min fz=0.15mm/t ap=1mm ae=0.5Dc			vc=80m/min fz=0.17mm/t ap=1mm ae=0.3Dc			vc=80m/min fz=0.17mm/t ap=1mm ae=0.5Dc			vc=80m/min fz=0.17mm/t ap=1.5mm ae=0.3Dc			vc=80m/min fz=0.17mm/t ap=1.5mm ae=0.5Dc			vc=80m/min fz=0.17mm/t ap=1.5mm ae=0.3Dc			vc=80m/min fz=0.17mm/t ap=1.5mm ae=0.5Dc			vc=80m/min fz=0.17mm/t ap=1.5mm ae=0.3Dc		
淬火热处理 Hardened Steels (50~60HRc)	ZP163 ZP160	50-100	BT40	0.05-0.2	550	160	1.9	440	220	2.5	350	210	3.9	270	160	3.8	220	110	3.3	350	100	1.9	—	—	—	—	—	—	—	—	—
					vc=70m/min fz=0.1mm/t ap=1.0mm ae=0.3Dc			vc=70m/min fz=0.1mm/t ap=1.0mm ae=0.5Dc			vc=70m/min fz=0.1mm/t ap=1.0mm ae=0.3Dc			vc=70m/min fz=0.1mm/t ap=1.0mm ae=0.5Dc			vc=70m/min fz=0.1mm/t ap=1.0mm ae=0.3Dc			vc=70m/min fz=0.1mm/t ap=1.0mm ae=0.5Dc			vc=70m/min fz=0.1mm/t ap=1.0mm ae=0.3Dc			vc=70m/min fz=0.1mm/t ap=1.0mm ae=0.5Dc			vc=70m/min fz=0.1mm/t ap=1.0mm ae=0.3Dc		
不锈钢 Stainless Steels SUS	ZP152 ZP153 ZP163	150-240	BT40	0.2-0.8	1430	2150	86	1150	2875	115	910	2730	172	720	2160	172.8	570	1430	143	910	1640	129.2	720	1730	173	570	1710	213.8	460	1660	259.4
					vc=70m/min fz=0.3mm/t ap=2mm ae=0.3Dc			vc=70m/min fz=0.3mm/t ap=2mm ae=0.5Dc			vc=70m/min fz=0.5mm/t ap=2mm ae=0.3Dc			vc=70m/min fz=0.5mm/t ap=2mm ae=0.5Dc			vc=70m/min fz=0.3mm/t ap=2mm ae=0.3Dc			vc=70m/min fz=0.3mm/t ap=2mm ae=0.5Dc			vc=70m/min fz=0.8mm/t ap=2.5mm ae=0.3Dc			vc=70m/min fz=0.8mm/t ap=2.5mm ae=0.5Dc			vc=70m/min fz=0.8mm/t ap=2.5mm ae=0.3Dc		
铸铁 Cast Iron FC, FCD	ZK50	100-220	BT40	0.3-1.0	1430	3430	137.2	1150	4600	184	910	4370	275.3	720	3460	276.8	570	2280	228	910	2180	171.7	720	2300	230	570	2280	285	460	2210	345.3
					vc=180m/min fz=0.5mm/t ap=2mm ae=0.3Dc			vc=180m/min fz=0.5mm/t ap=2mm ae=0.5Dc			vc=180m/min fz=0.8mm/t ap=2mm ae=0.3Dc			vc=180m/min fz=0.8mm/t ap=2mm ae=0.5Dc			vc=180m/min fz=0.5mm/t ap=2mm ae=0.3Dc			vc=180m/min fz=0.5mm/t ap=2mm ae=0.5Dc			vc=180m/min fz=0.8mm/t ap=2.5mm ae=0.3Dc			vc=180m/min fz=0.8mm/t ap=2.5mm ae=0.5Dc			vc=180m/min fz=0.8mm/t ap=2.5mm ae=0.3Dc		

TRSM <肩切削> Side milling

工件材料 Work material	刀片材料 Grade	切削速度 Cutting Speed M/min	使用机床 Machine	每刃进给量 Feed rate mm/min	φ12(3刃 3Flutes r2.5)			φ16(2刃 2Flutes r3.5)		
					转速 rpm	进给速度 mm/min	Q值 mm/min	转速 rpm	进给速度 mm/min	Q值 mm/min
普通结构用钢 Mild Steels (200HB以下)	ZP152 ZP151	150-250	BT40	0.1-0.8	6630	1990	6	4970	1990	16
					vc=250m/min fz=0.1mm/t ap=0.5mm ae=0.5Dc			vc=250m/min fz=0.2mm/t ap=1.0mm ae=0.5Dc		
碳素钢、合金钢 Carbon Alloy Steels (30HRc以下)	ZP152 ZP151	120-230	BT40	0.1-0.8	5310	1590	4.8	3980	1590	12.7
					vc=200m/min fz=0.1mm/t ap=0.5mm ae=0.5Dc			vc=200m/min fz=0.2mm/t ap=1.0mm ae=0.5Dc		
碳素钢、合金钢 Carbon Alloy Steels (30~40HRc)	ZP152 ZP153	100-200	BT40	0.08-0.6	3980	960	2.9	2980	890	7.1
					vc=150m/min fz=0.08mm/t ap=0.5mm ae=0.5Dc			vc=150m/min fz=0.15mm/t ap=1.0mm ae=0.5Dc		
碳素钢、合金钢 Carbon Alloy Steels (40~45HRc)	ZP153 ZP152 ZP163	60-150	BT40	0.08-0.3	2650	640	1.9	1990	600	2.9
					vc=100m/min fz=0.08mm/t ap=0.5mm ae=0.5Dc			vc=100m/min fz=0.15mm/t ap=0.6mm ae=0.5Dc		
不锈钢 Stainless Steels SUS	ZP152 ZP153 ZP163	150-240	BT40	0.1-0.8	4770	1430	4.3	3580	1430	11.4
					vc=180m/min fz=0.1mm/t ap=0.5mm ae=0.5Dc			vc=180m/min fz=0.2mm/t ap=1.0mm ae=0.5Dc		
铸铁 Cast Iron FC, FCD	ZK50	100-220	BT40	0.1-1.0	4770	1430	4.3	3580	1430	11.4
					vc=180m/min fz=0.1mm/t ap=0.5mm ae=0.5Dc			vc=180m/min fz=0.2mm/t ap=1.0mm ae=0.5Dc		
淬火热处理 Hardened Steels (45~55HRc)	ZP163 ZP160	60-100	BT40	0.05-0.3	2120	510	0.9	1590	320	1.3
					vc=80m/min fz=0.08mm/t ap=0.3mm ae=0.5Dc			vc=80m/min fz=0.1mm/t ap=0.5mm ae=0.5Dc		
淬火热处理 Hardened Steels (55~60HRc)	ZP163 ZP160									

高精度球头 ABPF型 High precision ball head ABPF type

标准切削条件 Recommended cutting conditions



CBN	工件材料 Work	刀片材料 Grade	切削条件 Cutting Condition	φ6		φ8		φ10		φ12		φ16		φ20		φ25		φ30		φ32															
				半精加工 通用 Finishing	精加工 通用 Finishing	半精加工 通用 Finishing	精加工 通用 Finishing	半精加工 通用 Finishing	精加工 通用 Finishing	半精加工 通用 Finishing	精加工 通用 Finishing	半精加工 通用 Finishing	精加工 通用 Finishing	半精加工 通用 Finishing	精加工 通用 Finishing	半精加工 通用 Finishing	精加工 通用 Finishing	半精加工 通用 Finishing	精加工 通用 Finishing	半精加工 通用 Finishing	精加工 通用 Finishing	半精加工 通用 Finishing	精加工 通用 Finishing												
PCD	碳素钢、合金钢 Carbon/Alloy Steels (30HRC以下)	ZP152 ZP151 ZP153	n(min ⁻¹)	8490	16450	16450	6370	12340	12340	5100	9240	11150	4250	7170	10080	3180	4180	9950	2550	3340	9080	2040	2680	8030	1700	2230	7640	1590	2090	7170					
				vc(m/min)	160	310	310	160	310	310	160	290	350	160	270	380	160	210	500	160	210	570	160	210	630	160	210	720	160	210	720				
				vf(mm/min)	1700	4930	3290	2550	9870	4940	2040	7390	4460	1700	5740	4030	1590	4180	5970	1280	3340	7260	1020	2680	8030	850	2230	9170	800	2090	8600				
				fz(mm/t)	0.1	0.15	0.1	0.2	0.4	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.2	0.5	0.3	0.25	0.5	0.4	0.25	0.5	0.5	0.25	0.5	0.6	0.25	0.5	0.6				
				ap(mm)	0.1	0.05	0.05	0.2	0.1	0.1	0.25	0.15	0.1	0.3	0.2	0.1	0.8	0.6	0.1	1	0.7	0.1	1.25	0.9	0.1	1.6	1.1	0.1	1.6	1.1	0.1				
				ae(mm)	0.6	0.6	0.2	0.8	0.8	0.25	1	0.9	0.25	1	0.9	0.3	1.6	1.1	0.3	2	1.5	0.4	2.5	1.8	0.5	3.2	2.4	0.5	3.2	2.4	0.5				
立装 螺纹	碳素钢、合金钢 Carbon/Alloy Steels (30~45HRC)	ZP152 ZP151 ZP153	n(min ⁻¹)	6370	14320	14320	4780	10750	10750	3820	7640	9550	3180	6100	8760	2390	2990	7560	1910	2550	6690	1530	2040	5990	1270	1700	5730	1190	1590	5370					
				vc(m/min)	120	270	270	120	270	270	120	240	300	120	230	320	120	150	380	120	160	420	120	160	470	120	160	540	120	160	540				
				vf(mm/min)	1270	4300	2860	1910	8600	4300	1530	6110	3820	1270	4880	3500	1200	2990	4540	960	2550	5350	770	2040	5990	640	1700	6880	800	1590	6440				
				fz(mm/t)	0.1	0.15	0.1	0.2	0.4	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.2	0.5	0.3	0.25	0.5	0.4	0.25	0.5	0.5	0.25	0.5	0.6	0.25	0.5	0.6				
				ap(mm)	0.1	0.05	0.05	0.2	0.1	0.1	0.25	0.15	0.1	0.3	0.2	0.1	0.8	0.6	0.1	1	0.7	0.1	1.25	0.9	0.1	1.6	1.1	0.1	1.6	1.1	0.1				
				ae(mm)	0.6	0.6	0.2	0.8	0.8	0.25	1	0.8	0.25	1	0.8	0.3	1.6	1.1	0.3	2	1.5	0.4	2.5	1.8	0.5	3.2	2.4	0.6	3.2	2.4	0.6				
切槽 加工	淬硬钢 Hardened Steels (45~55HRC)	ZP153 ZP161 ZP163	n(min ⁻¹)	5310	12200	12200	3980	9160	9160	3180	6690	8280	2650	5310	7700	1990	2990	6970	1590	2390	6370	1270	1910	5730	1060	1590	5310	1000	1490	4980					
				vc(m/min)	100	230	230	100	230	230	100	210	260	100	200	290	100	150	350	100	150	400	100	150	450	100	150	500	100	150	500				
				vf(mm/min)	850	2440	2440	800	3660	3660	640	2680	3310	530	2120	3080	480	1440	4180	380	1150	5100	310	920	5730	250	760	6370	240	720	5980				
				fz(mm/t)	0.08	0.1	0.1	0.1	0.2	0.1	0.2	0.1	0.2	0.1	0.2	0.1	0.2	0.1	0.2	0.1	0.2	0.1	0.2	0.1	0.2	0.1	0.2	0.1	0.2	0.1	0.2	0.1			
				ap(mm)	0.1	0.05	0.05	0.2	0.1	0.1	0.25	0.15	0.1	0.3	0.2	0.1	0.8	0.6	0.1	1	0.7	0.1	1.25	0.9	0.1	1.6	1.1	0.1	1.6	1.1	0.1				
				ae(mm)	0.6	0.6	0.2	0.8	0.8	0.25	1	0.8	0.25	1	0.8	0.3	1.6	1.1	0.3	2	1.5	0.4	2.5	1.8	0.5	3.2	2.4	0.6	3.2	2.4	0.6				
通用 螺纹	淬硬钢 Hardened Steels (55~62HRC)	ZP162	n(min ⁻¹)	4240	9550	9550	3180	7170	7170	2550	5410	6370	2120	4250	6100	1590	2390	5570	1270	1910	5100	1020	1530	4590	850	1270	4240	800	1190	3980					
				vc(m/min)	80	180	180	80	180	180	80	170	200	80	160	230	80	120	280	80	120	320	80	120	360	80	120	400	80	120	400				
				vf(mm/min)	608	1910	1910	640	2870	2870	510	2160	2550	420	1700	2440	380	1150	3340	300	920	4080	240	730	4590	200	610	5090	190	570	4780				
				fz(mm/t)	0.08	0.1	0.1	0.1	0.2	0.1	0.2	0.1	0.2	0.1	0.2	0.1	0.2	0.1	0.2	0.1	0.2	0.1	0.2	0.1	0.2	0.1	0.2	0.1	0.2	0.1	0.2	0.1			
				ap(mm)	0.1	0.05	0.05	0.2	0.1	0.1	0.25	0.15	0.1	0.3	0.2	0.1	0.8	0.6	0.1	1	0.7	0.1	1.25	0.9	0.1	1.6	1.1	0.1	1.6	1.1	0.1				
				ae(mm)	0.6	0.6	0.2	0.8	0.8	0.25	1	0.8	0.25	1	0.8	0.3	1.6	1.1	0.3	2	1.5	0.4	2.5	1.8	0.5	3.2	2.4	0.6	3.2	2.4	0.6				
钻孔	铸铁 Cast iron	ZK50	n(min ⁻¹)	8490	16450	16450	6370	12340	12340	5090	9240	11150	4240	7170	10080	3180	4180	9950	2550	3340	9080	2040	2680	8030	1700	2230	7640	1590	2090	7170					
				vc(m/min)	160	310	310	160	310	310	160	290	350	160	270	380	160	210	500	160	210	570	160	210	630	160	210	720	160	210	720				
				vf(mm/min)	1700	4930	3290	2550	9870	4940	3050	11090	6690	2550	8600	6050	2230	5850	5970	1790	4680	7260	1430	3750	8030	1190	3120	9170	1110	2930	8600				
				fz(mm/t)	0.1	0.15	0.1	0.2	0.4	0.2	0.3	0.6	0.3	0.3	0.3	0.3	0.35	0.7	0.4	0.35	0.7	0.4	0.35	0.7	0.5	0.35	0.7	0.5	0.6	0.35	0.7	0.6			
				ap(mm)	0.1	0.05	0.05	0.2	0.1	0.1	0.25	0.15	0.1	0.3	0.2	0.1	0.8	0.6	0.1	1	0.7	0.1	1.25	0.9	0.1	1.6	1.1	0.1	1.6	1.1	0.1				
				ae(mm)	0.6	0.6	0.2	0.8	0.8	0.25	1	0.8	0.25	1	0.8	0.3	1.6	1.1	0.3	2	1.5	0.4	2.5	1.8	0.5	3.2	2.4	0.6	3.2	2.4	0.6				
通用 铣削	石墨 Graphite	ZK10	n(min ⁻¹)	15920	21220	21220	11940	15920	15920	9550	12740	17960	10620	10620	5970	7960	7960	4780	6370	6370															
				vc(m/min)	300	400	400	300	400	400	300	400	400	300	400	400	300	400	400	300	400	400													
				vf(mm/min)	3180	6370	4240	4780	9550	6370	3820	7640	5100	3190	6370	4240	2990	4780	3980	2390	3820	3190													
				fz(mm/t)	0.1	0.15	0.1	0.2	0.3	0.2	0.2	0.3	0.2	0.3	0.2	0.2	0.3	0.25	0.3	0.25	0.25	0.3	0.25												
				ap(mm)	0.3	0.15	0.15	0.4	0.2	0.2	0.5	0.3	0.2	0.6	0.4	0.2	0.8	0.6	0.1	1	0.7	0.1													
				ae(mm)	0.6	0.6	0.2	0.8	0.8	0.25	1	0.8	0.25	1	0.8	0.3	1.6	1.1	0.3	2	1.5	0.4													
铣削 对策	铝合金铸件 Cast aluminum alloy AC4A,ADC12等	ZK10	n(min ⁻¹)	15920	26530	26530	11940	19900	19900	9550	15920	19960	13270	13270	5970	9950	9950	4780	7960	7960															
				vc(m/min)	300	500	500	300	500	500	300	500	500	300	500	500	300	500	500	300	500	500													
				vf(mm/min)	3180	10610	5310	4780	15920	7960	3820	12740	6370	3190	10620	5310	2990	7960	4980	2390	6370	3980													
				fz(mm/t)	0.1	0.2	0.1	0.2	0.4	0.2	0.4	0.2	0.4	0.2	0.2	0.4	0.2	0.25	0.4	0.25	0.4	0.25													
				ap(mm)	0.3	0.15	0.15	0.4	0.2	0.2	0.5	0.3	0.2	0.6	0.4	0.2	0.8	0.6	0.1	1	0.7	0.1													
				ae(mm)	0.6	0.6	0.2	0.8	0.8	0.25	1	0.8	0.25	1	0.8	0.3	1.6	1.1	0.3	2	1.5	0.4													
钻铰 加工	最大fz Maximum fz (mm/t)				<0.2				<0.8				<0.8				<1.0				<1.0				<1.0										
	最大ap Maximum ap (mm)				<0.6				<4.0				<5.0				<6.0				<8.0				<10.0				<12.5				<16.0		

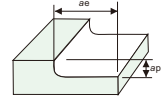
【注意】

- 此标准切削条件表中的数值为切削条件的基准值。实际加工时，请考虑加工形状，目的，使用机床等因素，对切削条件进行调整。
- 本刀具在使用时有可能发生破损，故必须安装护盖，穿戴保护镜，安全靴等。
- 请勿将手置于硬质合金刀柄支架上。在使用硬质合金刀柄支架上，请按以下数值设定切削量。若外径Dc12以下，ap=0.2mm以下。若外径Dc16以下，ap=0.3mm以下。

* 突出长3Dc以上时，请根据上表并参考下表进行调整。
* When the length is longer than 3Dc, please adjust according to the above table and refer to the table below.

突出比例 Overhang ratio	Vc(m/min)	vf(mm/min)
<3Dc	100%	100%
3Dc~5Dc	70%	70%
5Dc~8Dc	60%	60%
8Dc~10Dc	50%	50%

球头铣刀 BCF型



<深沟切削> Deep Side Milling

工件材料 Work	刀片材料 Grade	切削速度 Cutting Speed v _c (m/min)	每刃进给量 Feed rate f _z (mm/t)	φ20		φ25		φ30		φ40	
				转速 n (min ⁻¹)	进给速度 vf (mm/min)	转速 n (min ⁻¹)	进给速度 vf (mm/min)	转速 n (min ⁻¹)	进给速度 vf (mm/min)	转速 n (min ⁻¹)	进给速度 vf (mm/min)
碳素钢 Carbon Steels S40C (200HB以下)	ZP152 ZP151 ZP153	120~200	0.08~0.2	2700	420	2160	53				

推荐切削参数

Recommended Cutting Parameters

BNM球刀推荐加工参数 BNM ball cutter recommended processing parameters

MBN/MBN-H型+超强硬杆标准切削条件 高速加工用

MBN/MBN-H type + super hard rod standard cutting conditions for high speed machining

被加工材料 Material to be processed	刀片材质		切削速度 Vc (m/min)	刀具直径 (mm)												最大切深 Ap(mm)	最大步距 Ae(mm)
	BNM	BNM-S/SH S/SH型刀片		10		12		16		20		25		30/32			
				n (min ⁻¹)	Vf (mm/min)	n (min ⁻¹)	Vf (mm/min)	n (min ⁻¹)	Vf (mm/min)	n (min ⁻¹)	Vf (mm/min)	n (min ⁻¹)	Vf (mm/min)	n (min ⁻¹)	Vf (mm/min)		
灰铸铁 (160-260HB)	ZP152	ZK50	750	24000	9600	20000	10000	15000	10000	12000	9000	9600	8000	8000	8000	0.1-0.3	0.02D
球墨铸铁 (170-300HB)		ZK501	600	19000	7000	16000	7000	12000	7000	9600	6700	7700	6000	6500	6000	0.1-0.3	0.02D
碳素钢 (180-280HB)		ZP151	600	19000	7000	16000	7000	12000	7000	9600	6700	7700	6000	6500	6000	0.1-0.3	0.02D
低合金钢 (180-280HB)		ZP152	600	19000	7000	16000	7000	12000	7000	9600	6700	7700	6000	6500	6000	0.1-0.2	0.02D
模具钢 (180-255HRC)		ZP153	600	19000	7000	16000	7000	12000	7000	9600	6700	7700	6000	6500	6000	0.1-0.2	0.015D
淬火钢 (40-55HRC)		ZP153	450	14500	4300	12000	4800	9000	4500	7200	3600	5750	3450	4800	3360	0.1-0.2	0.015D
淬火钢 (56-63HRC)		ZP163	300	9500	2800	8000	3200	6000	3000	4800	2400	3850	2300	3200	2200	0.05-0.01	0.015D
不锈钢 (150-250HB)		ZP152	500	16000	6000	13500	6000	10000	6000	8000	4800	6400	4500	5300	4200	0.1-0.2	0.015D
铜合金 (80-150HB)		ZK10	ZK10	600	19000	9000	16000	9600	12000	8400	9600	7600	7700	6200	6500	6500	0.1-0.3
铝合金 (30-100HB)	ZK10		800	25000	12500	21000	12600	16000	11200	12700	10000	10200	8200	8500	8500	0.1-0.5	0.02D

MBN/MBN-H型+超强硬杆标准切削条件 一般加工用

MBN/MBN-H type + super hard rod standard cutting conditions for general processing

被加工材料 Material to be processed	刀片材质		切削速度 Vc (m/min)	刀具直径 (mm)												最大切深 Ap(mm)	最大步距 Ae(mm)
	BNM	BNM-S/SH S/SH型刀片		10		12		16		20		25		30/32			
				n (min ⁻¹)	Vf (mm/min)	n (min ⁻¹)	Vf (mm/min)	n (min ⁻¹)	Vf (mm/min)	n (min ⁻¹)	Vf (mm/min)	n (min ⁻¹)	Vf (mm/min)	n (min ⁻¹)	Vf (mm/min)		
灰铸铁 (160-260HB)	ZP152	ZK50	450	14500	4400	12000	4800	9000	4500	7200	4300	6000	4000	5000	4000	0.02D	0.025D
球墨铸铁 (170-300HB)		ZK501	350	11000	3300	9200	3700	7000	3500	5600	3000	4500	2700	4000	2800	0.02D	0.025D
碳素钢 (180-280HB)		ZP151	350	11000	3300	9200	3700	7000	3500	5600	3000	4500	2700	4000	2800	0.02D	0.02D
低合金钢 (180-280HB)		ZP152	350	11000	3300	9200	3700	7000	3500	5600	3000	4500	2700	4000	2800	0.02D	0.02D
模具钢 (180-255HRC)		ZP153	350	11000	3300	9200	3700	7000	3500	5600	3000	4500	2700	4000	2800	0.02D	0.02D
淬火钢 (40-55HRC)		ZP153	250	8000	2000	6700	2000	5000	2000	4000	1800	3200	1600	2700	1400	0.015D	0.02D
淬火钢 (56-63HRC)		ZP163	200	6400	1300	5300	1500	4000	1400	3200	1300	2600	1300	2000	1000	0.01D	0.02D
不锈钢 (150-250HB)		ZP152	300	9600	3000	8000	3200	6000	3000	4800	2400	3850	2100	3200	2000	0.02D	0.02D
铜合金 (80-150HB)		ZK10	ZK10	350	11000	3800	9200	4000	7000	3850	5600	3400	4500	3150	4000	3200	0.02D
铝合金 (30-100HB)	ZK10		500	16000	6400	13500	6800	10000	6000	8000	5600	6400	4500	5300	4800	0.03D	0.03D

2: 端铣刀悬长, ap: 切深, ae: 切宽, n: 主轴转速, Vf: 主轴进给

★ 安装刀片时注意

- 1、清洁刀片座；
- 2、清洁刀片（特别是基准面和安装孔内的污物）；
- 3、夹紧螺钉磨损严重时，应及时更换；
- 4、螺钉不宜过分拧紧，建议按推荐的扭矩紧固（见表）；
- 5、备有专用扭力扳手。

刀具直径 φD(mm)	推荐扭矩值 N.m
10	1.2
12	2.0
16	3.0
20	4.0
25	5.0
30	6.0
32	6.0

CBN刀片标准切削条件 CBN刀片 高速加工机床

被加工材料 Material to be processed	硬度 hardness	刀片材质	刀具直径 φD (mm)				最大切深 Ap(mm)	最大步距 Ae(mm)
			法向进给f(mm/rev)					
			主轴转速n(min ⁻¹)					
灰铸铁 (FC250,FC300)	160-260HB	CBN	16	20	25	30	0.05-0.1	D/40
球墨铸铁 (FCD600,FCD700)	170-300HB		0.4-0.5-0.6	0.5-0.6-0.7	0.55-0.65-0.75	0.6-0.7-0.8		
			20000-24000-28000	16000-19000-22000	12000-15000-18000	10000-12000-14000		

CBN刀片标准切削条件 CBN刀片 低速加工机床

被加工材料 Material to be processed	硬度 hardness	刀片材质	刀具直径 φD (mm)				最大切深 Ap(mm)	最大步距 Ae(mm)
			法向进给f(mm/rev)					
			主轴转速n(min ⁻¹)					
灰铸铁 (FC250,FC300)	160-260HB	CBN	16	20	25	30	0.1-0.15	D/40
球墨铸铁 (FCD600,FCD700)	170-300HB		0.5	0.6	0.65	0.7		
			0.4	0.5	0.55	0.6		

6000-10000超出范围的请参照高速加工机床用参数

使用注意事项

1. 推荐使用高速机床，使用高速加工条件加工，如无高速机床则使用低速加工条件；
2. 推荐使用动平衡的刀杆和刀柄加工；
3. 使用喷雾冷却的方式可提高精度；
4. 请避免使用刀屑碎屑；
5. 如无法避免撞刀程序请降低进给；
6. 工件余量误差较大影响刀片寿命，请保证平均余量后再进行加工。

推荐切削条件 Recommended cutting conditions

工件材料 Workpiece material	硬度 hardness	刀片材料	切削速度 (m/min)	每刃进给量 (mm/tooth)	工件材料 Workpiece material	硬度 hardness	刀片材料	切削速度 (m/min)	每刃进给量 (mm/tooth)
软钢 (SS400、S10C等)	≤HB180	ZC250	200 (160-250)	0.2 (0.1-0.3)	M	≤HB200	ZP152	150 (100-200)	0.2 (0.1-0.3)
		ZP152	180 (100-250)						
		ZN60	140 (80-200)						
碳钢 合金钢 (S45C、SCM440等)	HB180-280	ZC251	200 (160-250)	0.2 (0.1-0.3)	K	抗拉强度 ≤450MPa	ZK50	175 (100-250)	0.2 (0.1-0.3)
		ZP152	180 (100-250)				ZK501	160 (100-220)	
		ZN60	140 (80-200)						
	HB280-350	ZP152	120 (80-160)	0.15 (0.1-0.2)	N		PCD	1000 (200-1500)	0.15 (0.05-0.25)
		ZP152	120 (80-160)				ZK10	650 (300-1000)	0.12 (0.05-0.2)

刀具转速 (min⁻¹) = (1000 × 切削速度) ÷ (3.14 × 刀具切削刃直径)
机床工作台进给量 (mm/min) = 每刃进给量 × 刀具刃数 × 刀具转速

CBN

PCD

立装
螺纹

切槽
加工

通用
螺纹

钻孔

通用
铣削

铣削
对策

钻铣
加工

粗铣
加工

T型
槽
加工

直角
台肩

快
进
给
铣
刀

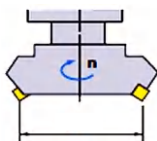
圆鼻
铣刀

球刀

技术
标准

技术
资料

CBN



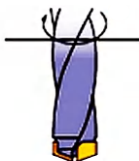
R29

平面铣削加工的计算式

Calculation formula for flat milling machining

PCD

立装
螺纹

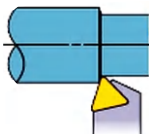


R30

孔加工的计算式

Calculation formula for hole machining

切槽
加工



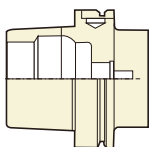
R31-R32

车削加工的计算式

Calculation formula for turning machining

通用
螺纹

钻孔



R33-R35

NC工具柄部尺寸图

Dimensional drawing of NC tool handle

通用
铣削

铣削
对策

钻铰
加工



R36

丝锥加工中常出现的问题及对策

Common problems and countermeasures in tap machining

粗铣
加工

T型
槽
加工



R37-R40

材料横向对比表

Material Horizontal Comparison Table

直角
台肩

快
进
给
铣
刀



R41

镗刀系统组合图

Combination diagram of boring tool system

圆
鼻
铣
刀

球
刀

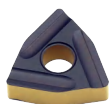


R42

MZG数控车刀表达方式

Expression of MZG CNC Turning Tools

技
术
标
准



R43

MZG数控车刀片表达方式

Expression of MZG CNC lathe blade

技
术
资
料



R44

品牌刀具材质对照表

Brand Tool Material Comparison Table

切削公式计算

<p>转速 Spindle Speed</p>	$S = \frac{1000 \times Vc}{\pi \times D}$ <p>Vc: 线速度 m/min D: 刀体直径 mm π: 圆周率</p>
<p>线速度 Velocity</p>	$Vc = \frac{\pi \times D \times S}{1000}$ <p>π: 圆周率 D: 刀体直径 mm S: 每分钟转速 rev/min</p>
<p>进给速率 Feed rate</p>	$F = Fz \times S \times Z$ <p>Fz: 每齿进给量 mm/z S: 每分钟转速 rev/min Z: 齿数</p>
<p>每齿进给 Feed engagement</p>	$Fz = \frac{F}{S \times Z}$ <p>F: 进给速度 mm/min S: 每分钟转速 rev/min Z: 齿数</p>
<p>加工时间 Process time</p>	$T = \frac{L}{F}$ <p>L: 走刀距离 mm F: 进给速度 mm/min</p>
<p>金属去除率 Metal removal rate</p>	$Q = \frac{Ae \times Ap \times F}{1000}$ <p>Ae: 切削宽度 mm Ap: 切削深度 mm F: 进给速度 mm/min</p>

CBN

PCD

立装
螺纹切槽
加工通用
螺纹

钻孔

通用
铣削铣削
对策铣削
加工粗铣
加工T型
槽
加工直角
台肩快
进
给
铣刀圆鼻
铣刀

球刀

技术
标准技术
资料

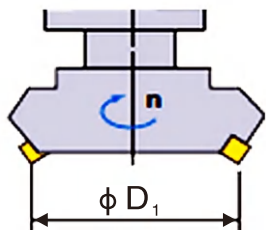
平面铣削加工的计算式

■ 切削速度(vc)

$$v_c = \frac{\pi \cdot D_1 \cdot n}{1000} \quad (\text{m/min})$$

v_c (m/min): 切削速度 D_1 (mm): 铣刀直径
 π (3.14): 圆周率 n (min^{-1}): 主轴转速

*用1000去除, 为将mm换算成m



(例题) 主轴转速 350min^{-1} 、铣刀直径 $\phi 125$, 求此时的切削速度。
 (答) $\pi=3.14$, $D_1=125$, $n=350$ 代入公式

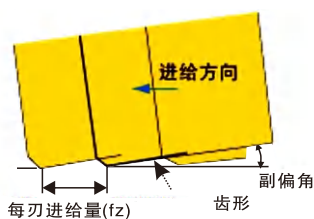
$$v_c = \frac{\pi \cdot D_1 \cdot n}{1000} = \frac{3.14 \cdot 125 \cdot 350}{1000} = 137.4\text{m/min}$$

切削速度为 137.4m/min

■ 每刃进给量(fz)

$$f_z = \frac{v_f}{z \cdot n} \quad (\text{mm/tooth})$$

f_z (mm/t.): 每刃进给量 v_f (mm/min): 每分钟工作台进给速度
 n (min^{-1}): 主轴转速 (每转进给量 $f = z \cdot f_z$) z : 刃数



(例题) 主轴转速 500min^{-1} 、铣刀刃数10刃, 工作台进给速度 500mm/min , 求此时每齿进给量。

(答) 由公式、

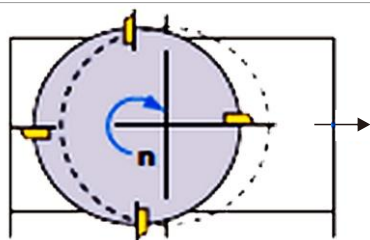
$$f_z = \frac{v_f}{z \cdot n} = \frac{500}{10 \cdot 500} = 0.1\text{mm/tooth}$$

求出每齿进给量为 0.1mm/tooth 。

■ 工作台进给速度(vf)

$$v_f = f \cdot z \cdot n \quad (\text{mm/min})$$

f_z (mm/min): 每刃进给量 v_f (mm/min): 每分钟工作台进给速度
 n (min^{-1}): 主轴转速 (每转进给量 $f = z \cdot f_z$) z : 刃数



(例题) 每刃进给量 0.1mm/齿 , 铣刀刃数10齿、主轴转速 500min^{-1} , 求工作台进给速度?

(答) 由公式

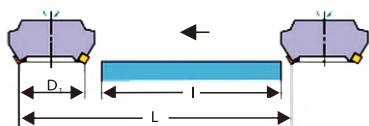
$$v_f = f_z \times z \times n = 0.1 \times 10 \times 500 = 500\text{mm/min}$$

求出工作台进给速度为 500mm/min 。

■ 加工时间(Tc)

$$T_c = \frac{L}{v_f} \quad (\text{min})$$

T_c (min): 加工时间 v_f (mm/min): 每分钟工作台进给速度
 L (mm): 工作台总进给长度 (工件长度 l + 铣刀直径 D_1)



(例题) 铸铁(FC200)平板宽 100mm 、长 300mm 。面铣刀直径 $\phi 200$ 、刃数16、切削速度 125m/min 、每齿进给量 0.25mm , 求所需加工时间 (主轴转速 200min^{-1})。

(答) 首先求出工作台每分钟进给速度、 $v_f = 0.25 \times 16 \times 200 = 800\text{mm/min}$ 再求出工作台总进给长度 $L = 300 + 200 = 500\text{mm}$ 代入公式

$$T_c = 500 \div 800 = 0.625 \quad (\text{min})$$

$0.625 \times 60 = \text{约}37.5\text{秒}$

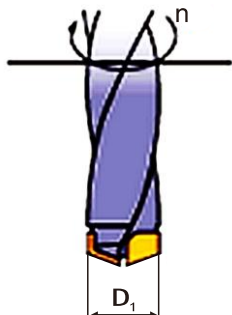
孔加工的计算公式

■ 切削速度(vc)

$$v_c = \frac{\pi \cdot D_1 \cdot n}{1000} \quad (\text{m/min})$$

vc (m/min) : 切削速度 D_1 (mm) : 铣刀直径
 π (3.14) : 圆周率 n (min^{-1}) : 主轴转速

*用1000去除，为将mm换算成m



(例题) 主轴转速 1350min^{-1} 、钻头直径 $\phi 12$ ，求切削速度。

(答) 将 $\pi=3.14$ ， $D_1=12$ ， $n=1350$ 代入公式

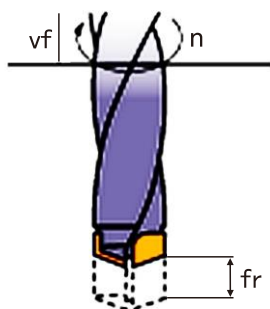
$$v_c = \frac{\pi \cdot D_1 \cdot n}{1000} = \frac{3.14 \times 12 \cdot 1350}{1000} = 50.9 \text{ m/min}$$

据此，得出切削速度为 50.9m/min 。

■ 主轴进给量(vf)

$$v_f = f \cdot n \quad (\text{mm/min})$$

vf (mm/min) : 主轴(Z轴)进给速度
 f_r (mm/rev) : 每转进给量
 n (min^{-1}) : 主轴转速



(例题) 主轴转速 1350min^{-1} 、钻头直径 $\phi 12$ ，求切削速度。

(答) 代入公式

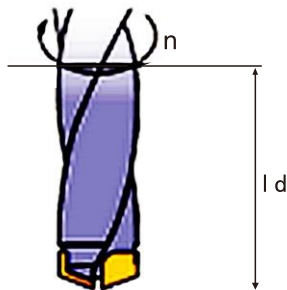
$$v_f = f_r \times n = 0.2 \times 1350 = 270 \text{ mm/min}$$

由此得出主轴每分钟进给量为 270mm/min 。

■ 孔加工时间(Tc)

$$T_c = \frac{l_d \cdot i}{n \cdot f}$$

T_c (min) : 加工时间 n (min^{-1}) : 主轴转速
 l_d (mm) : 钻孔深 f_r (mm/rev) : 每转进给量



(例题) 在SCM440钢上钻 $\phi 15$ 、深 30mm 的孔。切削速度为 50m/min 、每转进给量为 0.15mm/rev ，求钻削时间。

(求) 主轴转速 $n = \frac{50 \times 1000}{15 \times 3.14} = 1061.57 \text{ min}^{-1}$

$$T_c = \frac{30 \times 1}{1061.57 \times 0.15} = 0.188$$

$= 0.188 \times 60 = 11.3$ 秒可钻削完毕。

CBN

PCD

立装
螺紋切槽
加工通用
螺紋

钻孔

通用
铣削铣削
对策钻孔
加工粗铣
加工T型
槽
加工直角
台肩快
进
给
铣刀圆鼻
铣刀

球刀

技术
标准技术
资料

车削加工的计算式

■所需功率(Pc)

$$P_c = \frac{a_p \cdot f \cdot v_c \cdot K_c}{60 \times 10^3 \times \eta} \quad (\text{Kw})$$

$P_c(\text{kW})$:所需功率
 $a_p(\text{mm})$:切削深度
 $f(\text{mm/rev})$:每转进给量
 $v_c(\text{m/min})$:切削速度
 $K_c(\text{MPa})$:比切削力
 η (机床效率系数)

(例题) 以切削深度3mm, 切削速度120m/min, 进给量0.2mm/rev的切削条件, 加工软钢, 求所需功率 (机床效率系数为80%)

(答) 根据下表, 将切削软钢的比切削力 $K_c=3100\text{Pa}$ 代入公式得

$$P_c = \frac{3 \times 0.2 \times 120 \times 3100}{60 \times 10^3 \times 0.8} = 4.65 \text{ kW}$$

●Kc值

工件材料	抗拉强度(MPa)或硬度	各种进给量的比切削力Kc(Mpa)				
		0.1(mm/rev)	0.2(mm/rev)	0.3(mm/rev)	0.4(mm/rev)	0.6(mm/rev)
软钢	520	3610	3100	2720	2500	2280
中硬钢	620	3080	2700	2570	2450	2300
硬钢	720	4050	3600	3250	2950	2640
工具钢	670	3040	2800	2630	2500	2400
工具钢	770	3150	2850	2620	2450	2340
铬锰钢	770	3830	3250	2900	2650	2400
铬锰钢	630	4510	3900	3240	2900	2630
铬钼钢	730	4500	3900	2400	3150	2850
铬钼钢	600	3610	3200	2880	2700	2500
铬钼钢	900	3070	2650	2350	2200	1980
铬镍钢	Hb352	3310	2900	2580	2400	2200
硬质铸铁	HRC46	3190	2800	2600	2450	2270
孕育铸铁	360	2300	1930	1730	1600	1450
灰铸铁	Hb200	2110	1800	1600	1400	1330

■切削速度(vc)

$$v_c = \frac{\pi \cdot D_m \cdot n}{1000} \quad (\text{m/min})$$

$v_c(\text{m/min})$:切削速度
 $D_m(\text{mm})$:工件材料直径
 π (3.14) : 圆周率
 n (min^{-1}) : 主轴转速

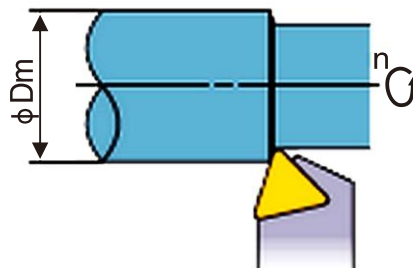
*用1000去除, 为将mm换算成m

(例题) 主轴转速700 min^{-1} 、工件直径 $\phi 50$, 求此时的切削速度。

(答) $\pi=3.14$ 、 $D_m=50$ 、 $n=700$ 代入公式

$$v_c = \frac{\pi \cdot D_m \cdot n}{1000} = \frac{3.14 \cdot 50 \cdot 700}{1000} = 110 \text{ m/min}$$

切削速度为110m/min



进给量(f)

$f = \frac{l}{n} \text{ (mm/rev)}$	f(mm/rev): 每转进给量 l (mm/min): 每分钟切削长度 n(min ⁻¹): 主轴转速
------------------------------------	--

(例题) 主轴转速500min⁻¹、每分钟切削长度120mm/min, 求此时的每转进给量

(答) n=500、l=120代入公式

$$f = \frac{l}{n} = \frac{120}{500} = 0.24 \text{ mm/rev}$$

每转进给量为0.24mm/rev



切削时间(Tc)

$T_c = \frac{l_m}{l} \text{ (min)}$	Tc(min): 切削时间 l _m (mm): 工件长度 l(mm/min): 每分钟切削长度
-------------------------------------	--

(例题) 长度100mm的工件, 主轴转速1000min⁻¹、进给量 0.2mm/rev, 求此时的切削时间。

(答) 首先根据进给量与主轴转速, 求出每分钟切削长度l=f×n=0.2×1000=200 mm/min
将l代入公式

$$T_c = \frac{l_m}{l} = \frac{100}{200} = 0.5 \text{ min}$$

0.5×60=30(sec)30秒

理论表面粗糙度(h)


$h = \frac{f^2}{8R_e} \times 1000 \text{ (}\mu\text{m)}$	h(μm): 表面粗糙度 f (mm/rev): 每转进给量 R _e (mm): 刀尖圆弧半径
--	--

(例题) 刀尖圆弧半径0.8mm、进给量为0.2mm/rev, 求理论表面粗糙度。

(答) 将f=0.2mm/rev、R_e=0.8代入公式

$$h = \frac{0.2^2}{8 \times 0.8} \times 1000 = 6.25 \mu\text{m}$$

理论表面粗糙度6 μm



CBN

PCD

立装
螺纹切槽
加工通用
螺纹

钻孔

通用
铣削铣削
对策钻铣
加工粗铣
加工T型
槽
加工直角
台肩快
进
给
铣刀圆鼻
铣刀

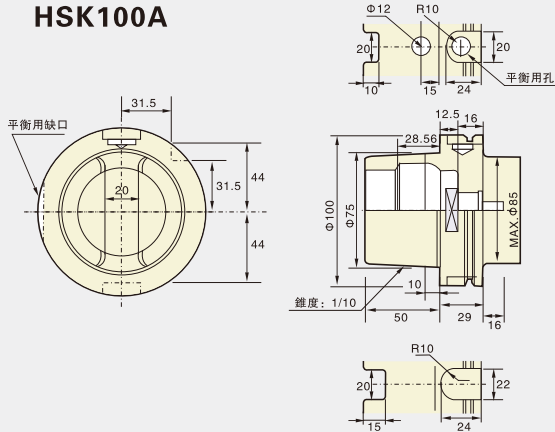
球刀

技术
标准技术
资料

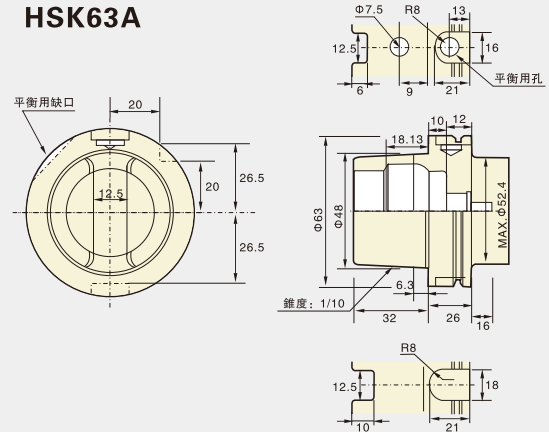
HSK工具柄部图

- CBN
- PCD
- 立装螺纹
- 切槽加工
- 通用螺纹
- 钻孔
- 通用铣削
- 铣削对策
- 钻铣加工
- 粗铣加工
- T型槽加工
- 直角台肩
- 快进给铣刀
- 圆鼻铣刀
- 球刀

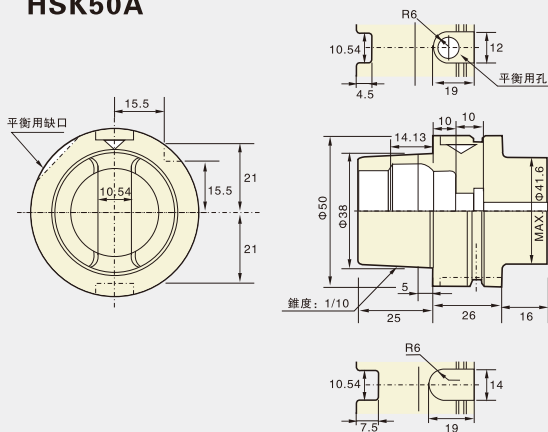
HSK100A



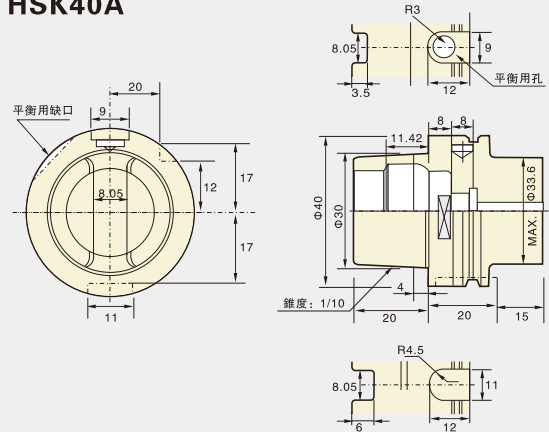
HSK63A



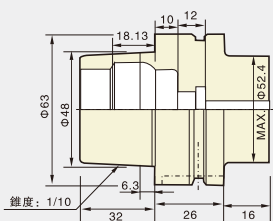
HSK50A



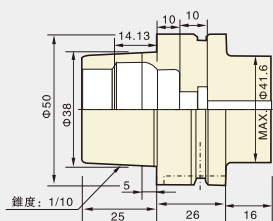
HSK40A



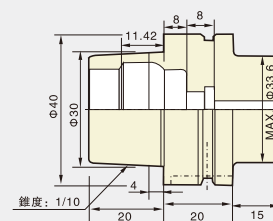
HSK63E



HSK50E



HSK40E

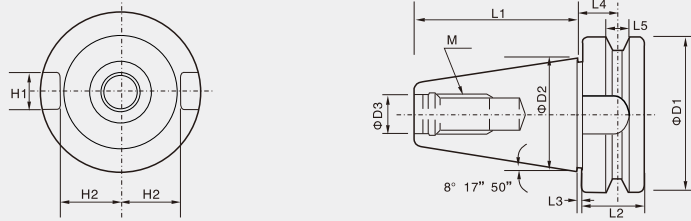


技术标准

技术资料

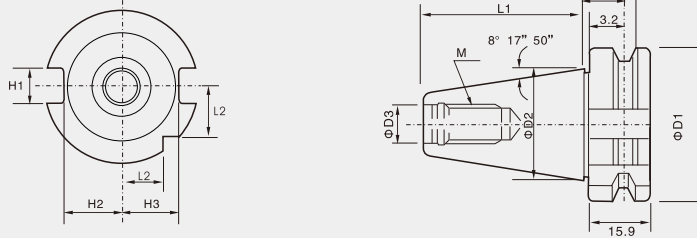
NC工具柄部图

BT 锥柄规格尺寸



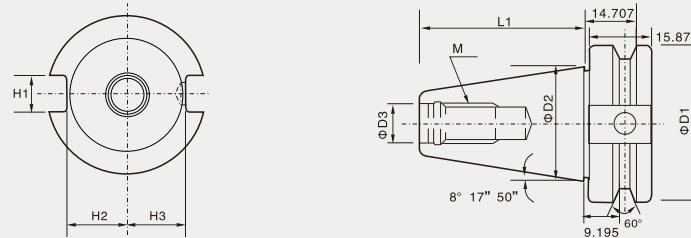
BT.NO	ΦD1	ΦD2	ΦD3	L1	L2	L3	L4	L5	H1	H2	M
BT30	46	31.75	12.5	48.4	20	2	13.6	8	16.1	16.3	M12
BT40	63	44.45	17	65.4	25		16.6	10		22.6	M16
BT50	100	69.85	25	101.8	35	3	23.2	15	25.7	35.4	M24

SK 锥柄规格尺寸



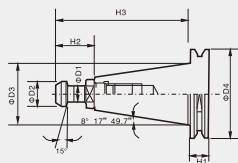
SK.NO	ΦD1	ΦD2	ΦD3	L1	L2	H1	H2	H3	M
SK40	63.55	44.45	17	68.4	18.5	16.1	22.8	25	M16
SK50	97.5	69.85	25	101.75	30	25.7	35.5	37.7	M24

CAT 锥柄规格尺寸



CAT.NO	ΦD1	ΦD2	ΦD3	L1	H1	H2	H3	M
CAT40	63.5	44.45	16.28	68.25	16.28	22.6	25.02	5/8"-11UNC
CAT50	98.43	69.85	26.38	101.6	305.31	35.31	37.72	1"-8UNC

ISO 锥柄规格尺寸



ISO.NO	D1	D2	D3	D4	H1	H2	H3
ISO20	6	9	22.225	33	8	12	45.3
ISO25	7	10	25.4	37	8	16	55.7
ISO30	9	13	31.75	50	15.9	24	71.8

CBN

PCD

立装
螺纹切槽
加工通用
螺纹

钻孔

通用
铣削铣削
对策钻铣
加工粗铣
加工T型
槽
加工直角
台肩快
进
给
铣
刀圆鼻
铣刀

球刀

技术
标准技术
资料

HSK刀具系统

CBN

PCD

立装
螺纹

切槽
加工

通用
螺纹

钻孔

通用
铣削

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加工

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加工

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进
给
铣刀

圆
鼻
铣刀

球刀

技术
标准

技术
资料

HSK双面接触刀柄

常规7/24锥度刀柄可重复连接刚性和高速加工方面，具有局限性。新型的双面接触刀柄可避免常规7/24刀柄的局限性。

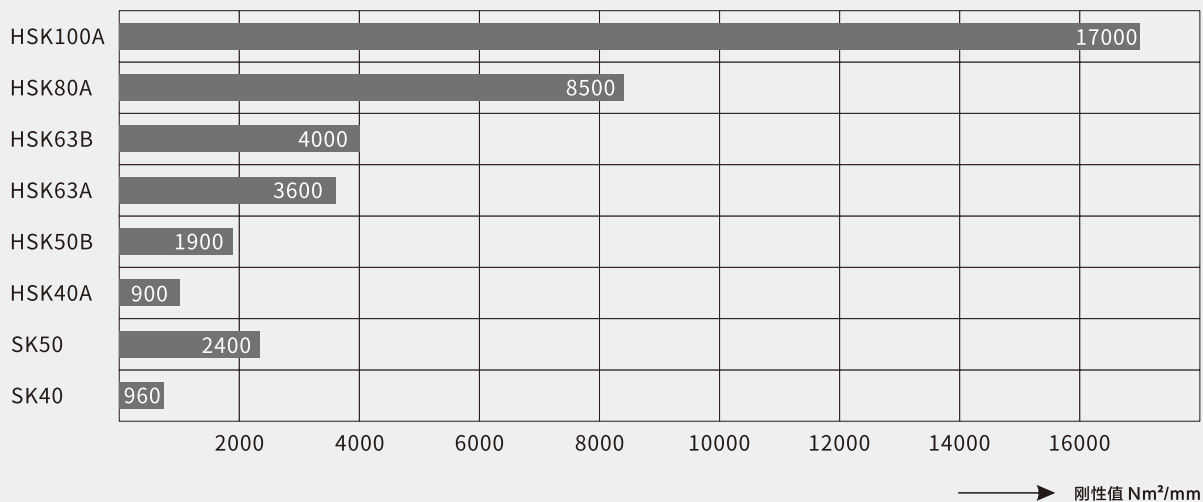
优良的重复跳动精度

由于刀柄锥部弹性变形与主轴完全紧贴，消除了偏心误差，同时由于刀柄锥部与主轴完全紧贴，抗弯曲强度提高，使得径向轴向精度也显著提高。

HSK刀具系统规格列表

适用范围		25	32	40	50	63	80	100	125	160
HSK-A	一般加工、高扭力、中转速、自动换刀	--	●	●	●	●	●	●	●	●
HSK-B	一般加工、中扭力、中转速、自动换刀	--	--	●	●	●	●	●	●	●
HSK-C	一般加工、高扭力、中转速、手动换刀	--	●	●	●	●	●	●	●	●
HSK-D	一般加工、中扭力、高转速、手动换刀	--	--	●	●	●	●	●	●	--
HSK-E	精密加工、高速切削、高转速、低扭力、自动换刀	●	●	●	●	●	--	--	--	--
HSK-F	软料加工、低扭力、中转速、自动换刀	--	--	--	●	●	●	--	--	--

不同刀柄的刚性值



丝锥加工中常出现的问题及对策

机用丝锥攻丝常见问题、产生原因与解决方法			
序号	发生问题	发生原因	解决方法
一	丝锥折断	1. 螺纹底孔选择偏小 2. 排屑不好, 切屑堵塞 3. 攻不通孔螺纹, 钻孔深度不够 4. 攻丝切削速度太高 5. 攻螺丝锥与底孔不同轴 6. 丝锥刃磨参数选择不合适 7. 工件硬度不稳定 8. 丝锥过度磨损	1. 尽量加大底孔直径 2. 刃磨刃倾角或选用螺旋槽丝锥 3. 加大钻孔深度 4. 适当降低速度 5. 校正夹具, 选用浮动攻丝卡头 6. 增大丝锥前角, 缩短切削锥长度 7. 控制工件硬度, 选用保险卡头 8. 及时更换丝锥
二	丝锥崩齿	1. 丝锥前角选择过大 2. 丝锥每齿切削厚度过大 3. 丝锥硬度过高 4. 丝锥磨损	1. 适当减小前角 2. 适当增加切削锥长度 3. 适当降低硬度 4. 及时更换丝锥
三	丝锥磨损太快	1. 攻丝切削速度太高 2. 丝锥刃磨参数选择不当 3. 切削液选择不合适 4. 工件材料硬度太高 5. 丝锥刃磨丝烧伤	1. 适当降低切削速度 2. 适当减小前角, 加长切削锥长度 3. 选用润滑性好的切削液 4. 工件进行适当热处理 5. 正确刃磨丝锥
四	螺纹中径太大	1. 丝锥精度选择不当 2. 切削液选择不当 3. 攻丝切削速度太高 4. 攻螺纹丝锥与底孔不同轴 5. 丝锥刃磨参数选择不当 6. 丝锥刃磨时产生毛刺 7. 丝锥切削锥长度太短	1. 选择适当精度的丝锥 2. 选择适当切削液 3. 适当降低切削速度 4. 校正夹具, 选用浮动攻丝卡头 5. 适当减小前角与切削锥后角 6. 清理刃磨丝锥产生的毛刺 7. 适当增加切削锥长度
五	螺纹中径太小	1. 丝锥精度选择不当 2. 丝锥刃磨参数选择不当 3. 切削液选择不当	1. 选择适当精度的丝锥 2. 适当加大丝锥前角与切削锥角 3. 选用润滑性好的切削液
六	螺纹表面不光滑, 有波纹	1. 丝锥刃磨参数选择不当 2. 工件材料太软 3. 丝锥刃磨不良 4. 切削液选择不当 5. 攻丝切削速度太高 6. 丝锥磨损	1. 适当加大前角, 减小切削锥角 2. 进行热处理, 适当提高工件硬度 3. 保证丝锥前刀面较好粗糙度 4. 选用润滑性好的切削液 5. 适当降低切削速度 6. 更换磨损丝锥

机用丝锥攻丝常见问题、产生原因与解决方法			
问题	可能的原因	改进措施	有无必要进行丝锥验证
内螺纹中径过大 (螺纹塞规止端过)	丝锥选择不当	1、选用适宜精度的丝锥 2、适量增加切削锥的长度	不需验证丝锥, 检查丝锥是否与工艺要求相符
	丝锥与塞规不匹配	选择相匹配的丝锥型号与螺纹塞规精度 (如H1的丝锥配4H5H的塞规)	不需验证丝锥, 查看丝锥与螺纹塞规的标识
	切削阻塞	1、使用螺旋槽丝锥、刃倾角丝锥 2、采用容屑槽数少、容积大的丝锥 3、尽量加大底孔直径 4、底孔为盲孔时尽量加大底孔深度 5、改变切削液的种类或给注方法	按目前的工艺规程该项暂不考虑, 只有新工艺验证时会出现类似情况
	加工条件不适当	1、调整切削速度 2、防止丝锥与底孔不同轴 3、丝锥或被切削材料采用浮动固定方式 4、采用合适的切削速度防止出现过切 5、采用强制进给方式 6、选用加工能力合适的机床 7、防止丝锥振动	目前使用条件合适且这些因素可逐一排查, 不需验证丝锥
	粘结	1、选用经氧化处理或其它表面处理的丝锥 2、选用抗粘性好、切削液 3、降低切削速度 4、改变丝锥前角使之适合被加工材料	不需验证丝锥, 要求操作者定期检查丝锥, 另今年将推广涂层丝锥的应用
	丝锥刃磨不当	1、容屑槽的分度要正确 2、不要把丝锥前角及切削锥角磨的太大 3、避免刀刃厚度过小 4、除掉刃磨时的毛刺	在我厂没用丝锥刃磨问题
	丝锥尺寸超差	检测丝锥中径及牙型角	采用手动攻丝验证并检测丝锥中径及牙型角
其它因素都正常但“止”端过	丝锥将螺纹牙侧的上部、下侧、两侧同时切除过多的材料	1、非丝杠进给机床要定期检查主轴花键配合处的间隙以减少攻丝时的阻力或减少主轴的进给量; 2、丝杠进给机床必须周期性地调整和检查丝杠与丝杠螺母之间的间隙	1、用手动攻丝的方法验证丝锥是否能加工出合格螺纹 2、采用调换加工工位、调换加工部位的方法验证丝锥是否能加工出合格螺纹 3、检测丝锥中径及牙型角
内螺纹中径过小 (螺纹塞规通端过)	丝锥选择不当	1、选用尺寸加大型丝锥 2、选用适宜的切削锥角 3、加大前角	
	内螺纹划伤	选用适当的反转退刀速度	
	内螺纹中有切屑残留	1、提高丝锥的锋利度, 防止出现须状切屑 2、在完全清除掉残留的切屑后再使用螺纹塞规检查	
其它因素都正常但“通”端不过	由于丝锥夹头的总重量以及机床主轴对丝锥推力的作用, 造成了牙型挤压变形或捣烂。致使塞规“通”端过不去	用丝锥手动再把螺纹孔攻一下	

CBN

PCD

立装
螺纹切槽
加工通用
螺纹

钻孔

通用
铣削铣削
对策钻铣
加工粗铣
加工T型
槽
加工直角
台肩快
进
给
铣
刀圆鼻
铣
刀球
刀技术
标准技术
资料

材料横向对比表

- CBN
- PCD
- 立装螺纹
- 切槽加工
- 通用螺纹
- 钻孔
- 通用铣削
- 铣削对策
- 钻铣加工
- 粗铣加工
- T型槽加工
- 直角台肩
- 快进给铣刀
- 圆鼻铣刀
- 球刀
- 技术标准

ISO	Country and Standard/国家和标准										
	China	USA	Germany		Great Britain	Sweden	France	Italy	Spain	Japan	
	中国	美国	德国		英国	瑞典	法国	意大利	西班牙	日本	
	GB	AISI/SAE	W.nr	DIN	BS EN	SS	AFNOR	UNI	UNE	JIS	
P	Tool steel/工具钢										
	T10	W.110	1.1545	C105W1	-	-	1880	Y ₁ 105	C98KU C100KU	F.515 F.516	-
	T12A	W.112	1.1663	C125W	-	-	-	Y ₂ 120	C120KU	(C120)	SK2
	CrV;9SiCr	L3	1.2067	100Cr6	BL3	-	-	Y100C6	-	100Cr6	-
	Cr12	D3	1.2080	X210CM2	BD3	-	-	Z200CM2	X210CM3KU X250CM2KU	X210Cr12	SKD1
	4Cr5MoVSi	H13	1.2344	X40CrMoV5 1	BH13	-	2242	Z40CDV5	X35CrMoV05KU X40CrMoV51KU	X40CrMoV5	SKD61
	Cr6WV	A2	1.2363	X100CrMoV5 1	BA2	-	2260	Z100CDV5	X100CrMoV51KU	X100CrMoV5	SKD12
	CrWMo	-	1.2419	105WCr6	-	-	2140	105WC13	10WCr6 107WCr5KU	105WCr5	SKS31 SKS2 SKS3
	Cr12W	-	1.2436	X210CrW12	-	-	2312	-	X215CrW12 1KU	X210CrW12	SKD2
	5CrNiMo	S1	1.2542	45WCrV7	BS1	-	2710	-	45WCrV8KU	45WCrSi8	-
	3Cr2W8V	H21	1.2581	X30WCrV93 X30WCrV93KU	BH21	-	-	Z30WCV9	X28W09KU X30WCrV9 3KU	X30WCrV9	SKD5
	Cr12MoV	-	1.2601	X165CrMoV 12	-	-	2310	-	X165CrMoV12KU	X160CrMoV12	SKD11
	5CrNiMo	L6	1.2713	55NiCrMoV6	-	-	-	55NCDV7	-	F.250.S	SKT4
	V	W210	1.2833	100V1	BW2	-	-	Y ₁ 105V	-	-	SKS43
	W6Mo5Cr4V2Co5	-	1.3243	S6-5-2-5	-	-	2723	Z85WDCV	HS6-5-2-5	HS6-5-2-5	SKH55
	W18Cr4VCo5	T4	1.3255	S18-1-2-5	BT4	-	-	Z80WKC 10-05-04-01	X78WCo1805KU	HS18-1-1-5	SKH3
	W6Mo5Cr4V2	M2	1.3343	S6-5-2	BM2	-	2722	Z85WDCV 06-05-04-02	X82WMo0605KU	HS6-5-2	SKH9
	-	M7	1.3348	S2-9-2	-	-Z-	2782	Z100WCWV 09-02-04-02	HS2-9-2	HS2-9-2	-
	W18Cr4V	T1	1.3355	S18-0-1	BT1	-	-	Z80WCV 18-04-01	X75W18KU	HS18-0-1	SKH2
	W6Mo5Cr4V3	M3	-	S6-5-3	-	-	-	-	-	-	SKH52
-	M42	-	-	BM42	-	-	-	-	-	SKH59	

材料横向对比表

ISO	Country and Standard/国家和标准					
	China/中国	USA/美国	Germany /德国	Japan/日本	Daido Steel Co.,Ltd (Japan)/日本	Main application
	GB	AISI/SAE	DIN	JIS	DAIDO	
P	Plastic die steel/塑料模具钢					
	-	P20 mod.		-	PX5N	For mass production of large mirror dies. Automobile tail light, front fender of car, video camera, household electrical appliances etc
	-	-		-	NAK55	High precision mirror die. Video camera, music disc, Cosmetic Containers, transparent covers, transparent films etc
	-	-		-	NAK80	For high precision mirror dies. Video camera, music disc, Cosmetic Containers, transparent covers, transparent films etc
	3Cr13	420 mod.		SUS420J2 mod.	S-STAR	For ultra-mirror corrosion resistant precise dies. Accessories of camera, CD, lens, watch case.
	Cold-working die steel/冷作模具钢					
	-	02	-	SKS93	YK30	Stamping die, gauge calipers, paper cutter, auxiliary tools
	9CrWMn	01 mod.	-	SKS3 mod.	GOA	Blanking die, gauge calipers, drawing die, taps, Perforated punch.
	Cr12MoV	D2	X165CrMoV12	SKD11	DC11	Blanking die, cold forming die, cold drawing die, forming roller, punch
	-	D2 mod.	-	SKD11 mod.	DC53	Blanking die, cold forming die, cold drawing die, forming roll, punch
	Hot-working die steel/热作模具钢					
	4Cr5MoSiV1	H13	X40CrMoV51	SKD61	DHA1	Aluminum compression die, connecting parts of compression die, hot stamping die, hot extrusion die, thermal shear cutting blade
	-	-	-	-	DH21	Long life Aluminum compression die
	-	-	-	-	DH31-S	Compression die
	-	-	-	-	DH2F	Compression die, plastic die

CBN

PCD

立装
螺纹切槽
加工通用
螺纹

钻孔

通用
铣削铣削
对策钻铣
加工粗铣
加工T型
槽
加工直角
台肩快
进
给
铣刀圆鼻
铣刀

球刀

技术
标准技术
资料

材料横向对比表

CBN
PCD
立装
螺纹
切槽
加工
通用
螺纹
钻孔
通用
铣削
铣削
对策
钻铣
加工
粗铣
加工
T型
槽
加工
直角
台肩
快
进
给
铣刀
圆鼻
铣刀
球刀
技术
标准
技术
资料

ISO	Country and Standard/国家和标准										
	China	USA	Germany		Great Britain		Sweden	France	Italy	Spain	Japan
	中国	美国	德国		英国		瑞典	法国	意大利	西班牙	日本
GB	AISI/SAE	W.nr	DIN	BS	EN	SS	AFNOR	UNI	UNE	JIS	
M	Stainless steel / 不锈钢										
	0Cr13; 1Cr12	403	1.4	X6Cr13	403S17	-	2301	Z6C13	X6Cr13	F.3110	SUS403
	-	-	1.4001	X7Cr14	-	-	-	-	-	F.8401	-
	1Cr13	410	1.4006	X10Cr13	410S21	56A	2302	Z10C14	X12CM3	F.3401	SUS410
	1Cr17	430	1.4016	X6Cr17	430S15	60	220	Z8C17	X8Cr17	F.3113	SUS430
	2Cr13	410	1.4021	X20Cr13	S62	56B;56C	-	Z20C13	X20C13	F.3401	SUS410
	-	-	1.4027	G-X20Cr14	420C29	56B	-	Z20C13M	-	-	SCS2
	4Cr13	-	1.4034	X46Cr13	420S45	56D	2304	Z40CM Z38C13M	X40Cr14	F.3405	SUS420J2
	1Cr17Ni2	431	1.4057	X20CrNi172	431S29	57	2321	Z15CNI6.02	X16CNI6	F.3427	SUS431
	Y1Cr17	430F	1.4104	X12CrMoS17	-	-	2383	Z10CF17	X10CrS17	F.3117	SUS430F
	1Cr17Mo	434	1.4113	X6CrMo171	434S17	-	2325	Z8CD17.01	X8CrMo17	-	SUS434
	-	-	1.4313	X5CrNi134	425C11	-	-	Z4CND13.4M	-	-	SCS5
	-	-	1.4408	G-X6CrNiMo1810	316C16	-	-	-	-	F.8414	SCS14
	4Cr9Si2	HW3	1.4718	X45CrSi93	401S45	52	-	Z45CS9	X45CrSi8	F.322	SUH1
	0Cr13Al	405	1.4724	X10CrAl13	403S17	-	-	Z10C13	X10CrAl12	F.311	SUS405
	Cr17	430	1.4742	X10CrAl18	430S15	60	-	Z10CAS18	X8Cr17	F.3113	SUS430
	8Cr20Si2Ni	HNV6	1.4757	X80CrNiSi20	443S65	59	-	Z80CSN20.02	X80CrSiNi20	F.320V	SUH4
	2Cr25N	446	1.4762	X10CrAl24	-	-	2322	Z10CAS24	X16Cr26	-	SUH446
	Austenitic stainless steel/奥氏体不锈钢										
	0Cr18Ni9	304	1.4301	X5CrNi1810	304S15	58E	2332	Z6CN18.09	X5CrNi1810	F.3551; F.3541; F.3504	SUS304
1Cr18Ni9MoZr	303	1.4305	X10CrNiS189	303S21	58M	2346	Z10CNF18.09	X10CrNiS18.09	F.3508	SUS303	
0Cr19Ni10	304L	1.4306	X2CrNi1911	304S12	-	2352	Z2CN18.10	X2CrNi18.11	F.3503	SCS19	
-	-	1.4308	G-X6CrNi189	304C15	-	-	Z6CN18.10M	-	-	SCS13	
Cr17Ni7	301	1.431	X12CrNi177	-	-	2331	Z12CN17.07	X12CrNi1707	F.3517	SUS301	
-	304LN	1.4311	X2CrNiN1810	304S62	-	2371	Z2CN18.10	-	-	SUS304LN	
0Cr19Ni9	304	1.435	X5CrNi189	304S31	58E	-	Z6CN18.09	X5CrNi1810	-	SUS304	
0Cr17Ni11Mo2	316	1.4401	X5CrNiMo1712	316S16	Z6CND17.11	2347	1.4401	X5CrNiMo1712	F.3543	SUS316	
00Cr17Ni13Mo2	316LN	1.4429	X2CrNiMoN17133	-	-	2375	Z2CND17.13	-	-	SUS316LN	
0Cr27Ni12Mo3	316L	1.4435	X2CrNiMo18143	316S12	-	2353	Z2CDN1713	X2CrNiMo1713	-	SCS16,	
00Cr19Ni13Mo3	317L	1.4438	X2CrNiMo17133	317S12	-	2367	Z2CND19.15	X2CrNiMo18.16	-	SUS317L	
-	329L	1.446	X8CrNiMo275	-	-	2324	-	-	-	SUS329L; SCH11; SCS11	
1Cr18Ni9Ti	321	1.4541	X6CrNiTi1810	2337	321S12	58B	Z6CNT18.10	X6CrNiTi1811	F.3553	SUS321	
1Cr18Ni11Nb	347	1.455	X6CrNiNb1810	347S17	58F	2338	Z6CNNb18.1	X6CrNiTi1811	F.3552	SUS347	
Cr18Ni12Mo2Ti	316Ti	1.4571	X6CrNiMoTi17122	320S17	58J	2350	Z6NDT17.12	X6CrNiMoTi17	F.3535	-	

材料横向对比表

ISO	Country and Standard/国家和标准										
	China	USA	Germany		Great Britain		Sweden	France	Italy	Spain	Japan
	中国	美国	德国		英国		瑞典	法国	意大利	西班牙	日本
GB	AISI/SAE	W.nr	DIN	BS	EN	SS	AFNOR	UNI	UNE	JIS	
M	Austenitic stainless steel/奥氏体不锈钢										
	-	-	1.4581	G-X5CrNiMoNb1810	318C7	-	-	Z4CNDNb1812M	XG8CrNiMo18	-	SCS22
	Cr17Ni12Mo3Nb	318	1.4583	X10CrNiMoNb1812	-	-	-	Z6CNDNb1713B	X6CrNiMoTiNb17	-	-
	1Cr23Ni13	309	1.4828	X15CrNiSi2012	309S24	-	-	Z15CNS20.1	-	-	SUH309
	0Cr25Ni20	310S	1.4845	X12CrNi2521	310S24	-	2361	Z12CN2520	X6CrNi2520	F.331	SUH310
	Cr15Ni36W3Ti	330	1.4864	X12NiCrSi3616	-	-	-	Z12CNS35.1	-	-	SUH330
	-	-	1.4865	G-X40NiCrSi3818	330C11	-	-	-	XG50NiCr3919	-	SCH15
	5Cr2Mn9Ni4N	EV8	1.4871	X53CrMnNiN219	349S54; 321S12	- 58B	-	Z52CMN21.0	X53CrMnNiN219	-	SUH35
1Cr18Ni9Ti	321	1.4878	X12CrNiTi189	321S320	58C	-	Z6CNT18.12	X6CrNiTi1811	F.3523	SU321	

ISO	Country and Standard/国家和标准										
	China	USA	Germany		Great Britain		Sweden	France	Italy	Spain	Japan
	中国	美国	德国		英国		瑞典	法国	意大利	西班牙	日本
GB	AISI/SAE	W-nr	DIN	BS	EN	SS	AFNOR	UNI	UNE	JIS	
K	Nodular cast iron/球墨铸铁										
	QT400-18	60-40-18	GGG40	400/17	0717-02	FGS370-17	GS370-17	FGE38-17	FCD400		
	QT450-10	65-45-12	-	420/12	-	FGS400-12	GS400-12	FGE42-12	FCD450		
	QT500-7	70-50-05	GGG50	500/7	0727-02	FGS500-7	GS500-7	FGE50-7	FCD500		
	QT600-3	80-60-03	GGG60	600/7	0732-03	FGS600-2	GS600-2	FGE60-2	FCD600		
	QT700-2	100-70-03	GGG70	700/2	0737-01	FGS700-2	GS700-2	FGE70-2	FCD700		
	QT800-2	120-90-02	GGG80	800/2	0864-03	FGS800-2	GS800-2	FGE80-2	FCD800		
	QT900-2	-	-	900/2	-	-	-	-	-		
	Nodular cast iron/球墨铸铁										
	-	NO.60	GG40	-	0140	FGL400	-	-	-		
	HT350	NO.50	GG35	350	0135	FGL350	G35	FG35	FC350		
	HT300	NO.45	GG30	300	0130	FGL300	G30	FG30	FC300		
	HT250	NO.35	GG25	250	0125	FGL250	G25	FG25	FC250		
	HT200	NO.30	GG20	200	0120	FGL200	G20	FG20	FC200		
	HT150	NO.20	GG15	150	0115	FGL150	G15	FG15	FC150		
HT100	-	-	100	0110	-	G10	-	FC100			

CBN

PCD

立装
螺纹切槽
加工通用
螺纹

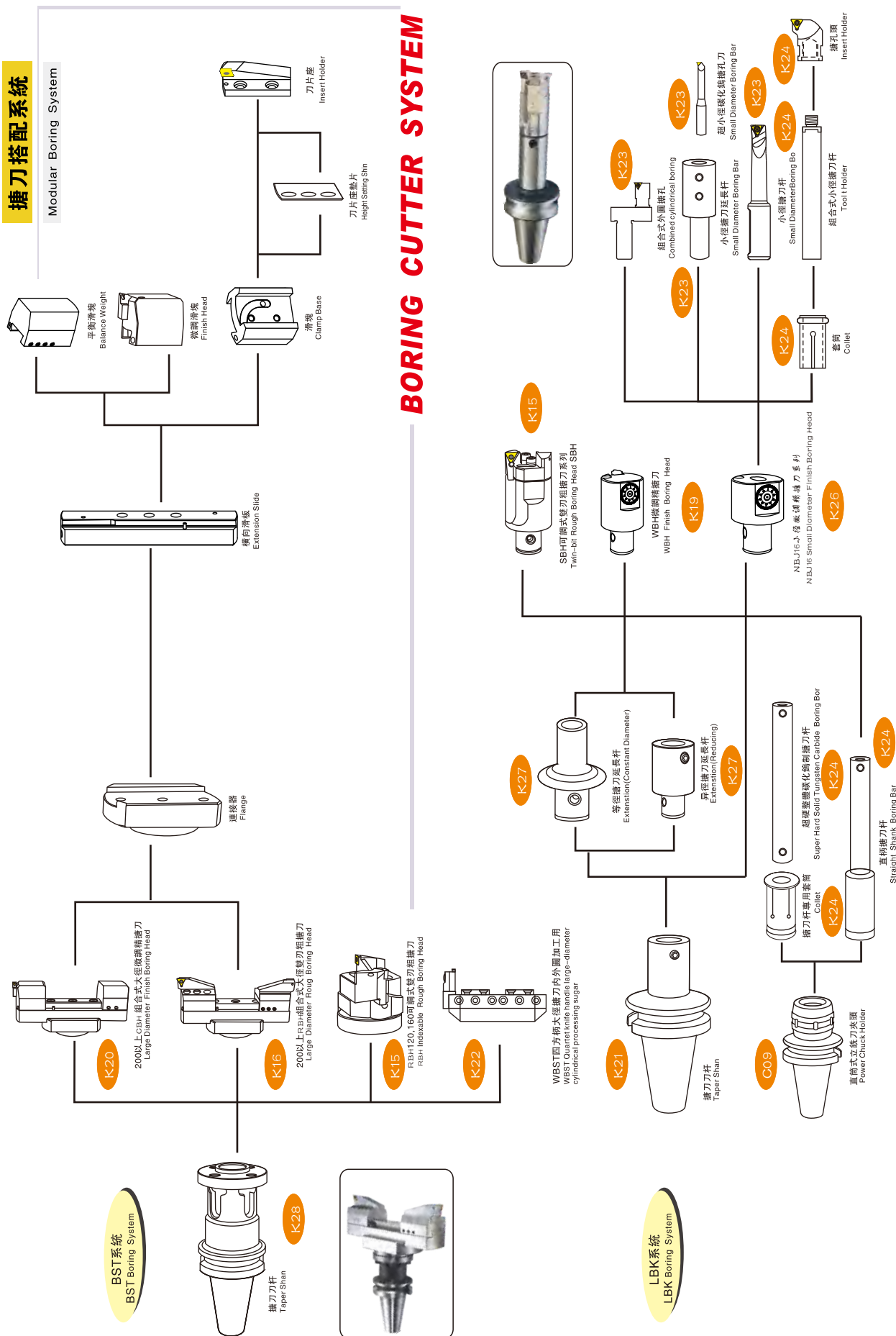
钻孔

通用
铣削铣削
对策钻铣
加工粗铣
加工T型
槽
加工直角
台肩快
进
给
铣
刀圆鼻
铣刀

球刀

技术
标准技术
资料

镗孔头组合图示 ROUGH HEAD COMBINATION ICON

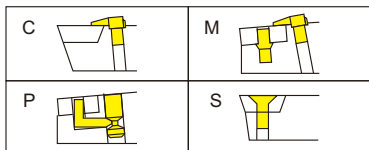


- CBN
- PCD
- 立装
- 螺纹
- 切槽
- 加工
- 通用
- 螺纹
- 钻孔
- 通用
- 铣削
- 铣削
- 对策
- 钻孔
- 铣工
- 粗铣
- 加工
- T型
- 槽
- 加工
- 直角
- 台
- 快
- 进
- 给
- 刀
- 圆
- 鼻
- 铣
- 刀
- 球
- 刀

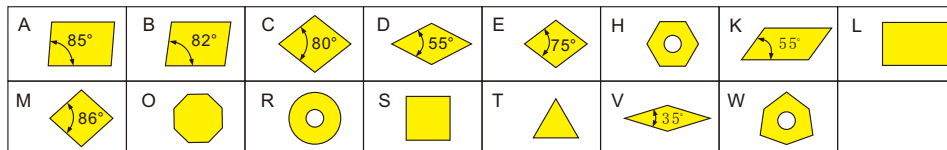
技术资料

M	C	L	N	R	2	5	2	5	M	1	2	*
1	2	3	4	5	6	7	8	9	10	11	12	13
S	16	Q	S	C	L	C	R	0	9	18	*	
14	15	10	1	2	3	4	5	11	12	16	13	

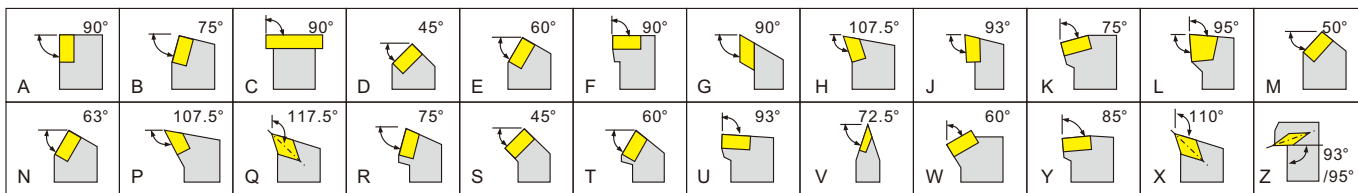
1 刀片夹持方式 TYPE OF LOCKING



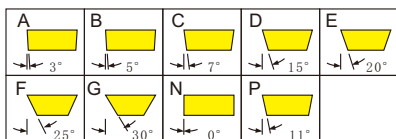
2 刀片形状 INSERT SHAPE



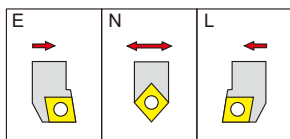
3 刀杆切入角 TYPE OF TOOL



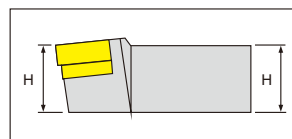
4 刀片逃隙角 RAKE ANGLES



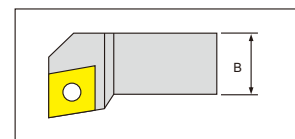
5 方向 HAND OF TOOL



6/7 刀柄高度 SHANK HEIGHT



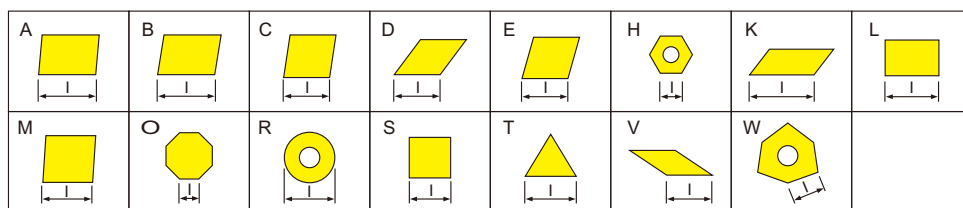
8/9 刀柄宽度 SHANK WIDTH



10 刀柄长度 TOOL LENGTH

A	32	N	160
B	40	P	170
C	50	Q	180
D	60	R	200
E	70	S	250
F	80	T	300
G	90	U	350
H	100	V	400
J	110	W	450
K	125	Y	500
L	140	X	SPECIAL
M	150		

11/12 切刃长 CUTTING EDGE LENGTH



14 刀柄 SHANK

- S=钢柄 Steel shank
- A=钢柄+中心水孔 Steel shank+coolant hole
- B=抗震钢柄 Steelshank+device anti-vibration
- C=钨钢柄 Cemented carbide shank with steel head
- D=抗震钢柄+中心水孔 Steel shank+device anti-vibration+coolant hole
- E=钨钢柄+中心水孔 Cemented carbide shank with steel head+coolant hole
- F=抗震钨钢柄 Cemented carbide shank with steel head+device anti-vibration
- G=抗震钨钢柄+中心水孔 Cemented carbide shank with steel head+device anti-vibration+coolant hole
- H=重金属 Heavy metal shank
- J=重金属+中心水孔 Heavy metal shank+coolant hole

13 特殊注记 OPTIONAL CODE

任意识别记号或数字
INSERTS R-S

15 刀杆的直径 ARBOR DIAMETER

16 最小加工径 MINIMUM PROCESSING DIAMETER

CBN

PCD

立装
螺纹

切槽
加工

通用
螺纹

钻孔

通用
铣削

铣削
对策

钻铣
加工

粗铣
加工

T型
槽
加工

直角
台肩

快
进
给
铣
刀

圆鼻
铣刀

球刀

技术
标准

技术
资料

刀具材质应用

Tool Material Application



P 碳钢/合金钢

N 铝/有色金属/非金属

M 不锈钢/钢铸件

S 钛合金/镍合金

K 灰口铸铁/球墨铸铁

H 淬硬钢/冷硬铸铁

工艺	分类	材料	MZG	K90CER2	DIJET	ZCC	MITSUBISHI	SANDVIK	SECO	SUMITOMO	Kingma	KENNAMETAL	ISCAR	KORLOY	HITACHI	TruGrip	WALTER			
			京瓷	黛杰	株洲钻石	三菱	山特维克	山高	住友电工	东芝	肯纳	伊斯卡	KORLOY	日立	特固克	瓦尔特				
CVD	P 钢	P01	ZC25	CA5505	JC110V		UE6110 UE6005 UE6015	GC4005 GC4205	TP1000	AC700G AC810P	T9005	KC910 KC9105	IC8150 IC9150	NC3010 NC3020 NC3120 NC3030 NC5300 NC5300H	HG8010 HG8025	TT8115 TT3500 TT5100 TT7100	WPP01 WPP05 WPP10 WPP20 WPP30			
		P10	ZC35 ZC250	CA5505 CA5515	JC110V JC215V JC730U	YBC151 YBC152	UE6110 UE6005 UE6010 UE6020	GC4015 GC3115 GC4215	TP1000 TP100	AC700G AC2000 AC820P	T9005 T9015 T9115	KC9010 KC9110	IC8150 IC9150 IC9250							
		P20	ZC35 ZC251 ZC2532 ZC32S	CA5515 CA5525 CA5535 CR9025	JC110V JC215V JC730U	YBC251 YBC252	UC6010 UE6110 UE6020 F7030	GC4020 GC4025 GC4215 GC4225	TP2000 TP200	AC2000 AC3000 AC820P	T9015 T9025 T9125	KC8050 KC9025 KC9125	IC8150 IC9150 IC9250 IC9350							
		P30	ZC251 ZC2532 ZC32S	CA5525 CA5535 CR9025	JC215V JC325V	YBC351 YBM251	UE6035 UH6400 F7030	GC4030 GC4225 GC4230 GC4235	TP2500 TP200 TP300	AC3000 AC630M AC830P	T9025 T9035 T3130	KC5025 KC9040 KC9140	IC635 IC8350 IC9350							
		P40	ZC32S	CA5535	JC325V JC540V	YB235	UE6035 UH6400	GC4235	TP40	AC630M AC830P	T9035	KC9045 KC9240	IC635							
	M 不锈钢	M10	ZM25	CA6515	JC110V	YBM151	US7020	GC2015	TP100	AC610M	T9015 T9115	KC9110 KC9210	IC9250 IC9350	NC9020 NC9025	GM25 GX30	TT5100	WAM20 WAM30			
		M20	ZM25 ZM35	CA6525	JC730U JC1341	YBC251 YBC252 YBM251	US7020 F7030	GC2025 GC2030	TM2000 TP200	AC610M AC630M	T6020 T9025 T9125	KC9125 KC9225	IC8350 IC9250 IC9350							
		M30	ZM25 ZM35		JC215V JC325V JC525X	YBC351 YBM351	US735 F7030	GC2035	TM4000 TP300	AC630M	T6030 T3130	KC9040 KC9230 KC9240	IC4050							
		M40	ZM35		JC325V JC450V	YB235			TP40			KC9045 KC9245								
	K 铸铁	K01	ZK50 ZK50S	CA4010 CA4505 CA5505	JC105V JC600 JC050W		UC5105 UC5015	GC3205 GC3210	TX100	AC300G AC410K	T5105 T5010	KC5410 KC9315 KC910	IC428 IC9007 IC9150	NC6105 NC6110 NC315K	HG3305 HG3315 GM8015 GM8020	TT7310 TT1300	WAK10 WAK20			
		K10	ZK50/ZK50S ZK352 ZK501	CA4115 CA4515 CA5505	JC110V JC600 JC610	YBC151 YBC152 YBD151	UC5015 UC5115 UE6010	GC3205 GC3210 GC3215	TK1000 TX150	AC700G AC410K	T5115 T5010 T1015	KC7310 KC9010 KC9320	IC418 IC428 IC9015							
		K20	ZK352 ZK501 ZK502	CA4115 CA4120 CA4515	JC110V JC215V JC610	YBC151 YBC252	UE6010	GC3020 GC3215 K20W	TK2000 TX150 TP200	AC700G AC820P AC420K	T5115 T5125 T5020	KC9025 KC9120 KC9325	IC418 IC9015							
		K30	ZK502 ZK503		JC215V JC610			GC3040	TP200		T5125 T9125									
		P01	ZP15 ZP15A	PR915 PR1005	JC5003					ACZ150									PC230 PC3535 PC5300 PC3545	IP2000 IP3000
	P10	ZP15/ZP151 ZP201 ZP152 ZM30/ZM36 ZP680 ZM856	PR930 PR1005 PR1025 PR1115 PR1215 PR1225	JC5003 JC5030	YBG102	VP10MF	GC1025	CP200	ACZ310	AH710	KC5010 KC5510 KU10T	IC507 IC807 IC907								
	P20	ZP152 ZP153 ZM36 ZM856 ZM860	PR930 PR1025 PR1115 PR1215 PR1225	JC5015 JC5030 JC5040	YBG201 YBG202 YBG252	VP15TF VP20MF UP20M	GC1020 GC1025 GC4125	CP250	ACZ310 ACZ330 ACZ520U	AH710 AH725 AH730	KC5025 KC5525 KC7215 KC7315 KU25T	IC507 IC907 IC908								
P30	ZM90/ZP16S ZP160 ZP163		JC5015 JC5040	YBG203 YBG302 YBM252	VP15TF VP20MF UP20M		CP500	ACZ330 ACZ350 ACZ530U	GH330 AH120 AH740	KC7015 KC7020 KC7235 KU25T	IC328 IC928 IC3028									
P40	ZM90/ZP16S ZP19S ZP163		JC5040	YB235		GC1120 GC2145	CP500	ACZ350	AH740 J740	KC7030 KC7040 KC7140	IC328 IC3028									
M 不锈钢	M10	ZP15 ZP152 ZM36 ZM856	PR915 PR1025 PR1215 PR1225	JC5003	YBG201	VP10MF	GC1005 GC1025	TS2000 CP200	EH510Z ACZ150 AC510U	AH710	KC5010 KC5510 KC6005 KC6015	IC507 IC520 IC907	PC8110 PC5300 PC9030	IP50S IP100S	TT5030					
	M20	ZP152 ZP153 ZM36H ZM856 ZM860	PR915 PR930 PR1025 PR1125 PR1215 PR1225	JC5015 JC5030 JC5040	YBG201 YBG202 YBM252	VP15TF VP20MF UP20M	GC2030 GC4125	TS2500 CP200 CP500	EH520Z ACZ150 ACZ310 AC520U	AH725 AH730 GH330 GH730 SH730	KC5025 KC5525 KC7020 KC7025	IC308 IC907 IC908 IC3028								
	M30	ZP153 ZP16S ZP160 ZM860		JC5015 JC5030 JC5040	YBG203 YBG302 YB235	VP15TF VP20MF UP20M	GC1020 GC1120 GC2035	CP500	ACZ330 ACZ350 AC530U	AH120	KC7030 KC7225	IC908 IC1008 IC1028 IC3028								
	M40	ZP19S ZP160 ZP163					GC2145		ACZ350	J740		IC928								
	K01	ZP15A		IC5003	YBG102				EH10Z	AH110		IC910								
	K10	ZP15 ZM36 ZM860	PR905 PR1215	JC5003 JC5015	YBG201 YBG202	VP05RT	GC1010	TS2000 CP200	EH10Z EH510Z AC510U	GH110 AH110	KC5010 KC7210	IC507 IC908					PC5300	CY110H	TT5030	
	K20	ZP153 ZM36/ZP16S ZM860	PR905 PR1215	JC5015	YBG302 YBGM252	VP10RT VP15TF	GC1020 GC1120	TS2500 CP200 CP250	EH20Z ACZ310 AC520U	AH120 AH725	KC7015 KC7215 KC7315	IC507 IC908								
K30	ZM860 ZP19S				VP15TF	GC4125	CP500	ACZ310		KC7225	IC508 IC3028									
金属陶瓷	P01	ZN60 ZN90	TN30 PV30 TN6010 PV7010	LN10 CX50	YNG151C	NX1010				T110A	NS520 GT530 GT720	KT1120 KT125 HTX	IC20N IC520N	CN1000	CH350 CZ25 CH530 CH550 CH570	PV3010 CT3000				
	P10	ZN60 ZN60A ZN90 ZN90A	TN60 TN6010 TN6020 PV7010 PV7020 PV7025	LN10 CX50 CX75 NIT	YNG051 YNG151	NX2525 AP25N	CT5015 CT525	CM	T2000Z T1200A T1500A	NS520 AT530 GT530 GT730	KT315 KT175 HT2	IC20N IC520N IC530N IC75T								
	P20	ZN60A ZN60V ZN90A ZN90V	TN90 TN6020 PV7020 PV7025	CX50 CX75 CX90 NAT		NX2525 NX3035 AP25N UP35N	CT530 GC1525		T1200A T1500A T2000Z T3000Z	NS530 NS730 AT530 GT530 GT730	PS5 KT5020	IC20N IC520N IC530N IC75T IC30N								
	P30	ZN60V ZN90V		CX90 CX99 SRT		NX4545 VP45N			T3000Z	NS740		IC75T IC30N								
硬质合金	Carbide	ZK01 ZK01A	KW10 KW10 GW15 VW50	SRT DX30 DX35 SR30 KG03	YC10 YC30S YC40 YD201	ST10T ST120 HT105T HT110 HT120T	S1P SMA SM30 S6	S10M S25M S80M S83 893 HX	ST10P ST20E A30N A30 ST30E H2 H1	TX10S TS20 TX25 TX30 UX30 TX40 TH03	KS2885 K125M KMF PVA K68 K313	IC70 IC50M IC54 IC20 IC10 IC28	H01 H05 H10 G10 ST10	SRN5 WS20B EX35 WH05 EX40 WH20 WAM10B EX35	P10 M40 P20 K10 P30 K20 P40 K20M M10 K30 M20					

CBN

PCD

立装
螺纹

切槽
加工

通用
螺纹

钻孔

通用
铣削

铣削
对策

钻铣
加工

粗齿
加工

T型
槽加工

直角
台肩

快
进给
铣刀

圆鼻
铣刀

球刀

技术
标准

技术
资料

型号 Model	名称 Name	页码 Page
22VNR/L..TR..	DIN103梯形螺纹刀片	A70,B120
27ER..BUT..	BUT石油管梯形套管螺纹刀片	A74
27ER..BUT..	BUT石油管梯形套管螺纹刀片	A74,B125
27ER/L..55..	W英制螺纹刀片	A63
27ER/L..60..	ISO公制螺纹刀片	A61
27ER/L..ACME..	ACME美制梯形螺纹刀片	A69
27ER/L..API..	API石油管螺纹刀片	A73,B125
27ER/L..ISO..	ISO公制螺纹刀片	A61
27ER/L..RND..	RND圆齿管螺纹刀片	A67
27ER/L..STACME..	STUB ACME短牙美制梯形螺纹	A69
27ER/L..TR..	DIN103梯形螺纹刀片	A70
27ER/L..UN..	UN美制螺纹刀片	A65
27ER/L..UNJ..	UNJ航空工业螺纹刀片	A66
27ER/L..W..	W英制螺纹刀片	A63
27IR..BUT..	BUT石油管梯形套管螺纹刀片	A74
27IR..BUT..	BUT石油管梯形套管螺纹刀片	A74,B126
27IR/L..55..	W英制螺纹刀片	A63
27IR/L..60..	ISO公制螺纹刀片	A61
27IR/L..ACME..	ACME美制梯形螺纹刀片	A69
27IR/L..API..	API石油管螺纹刀片	A73,B125
27IR/L..ISO..	ISO公制螺纹刀片	A61
27IR/L..RND..	RND圆齿管螺纹刀片	A67
27IR/L..STACME..	STUB ACME短牙美制梯形螺纹	A69
27IR/L..TR..	DIN103梯形螺纹刀片	A70
27IR/L..UN..	UN美制螺纹刀片	A65
27IR/L..UNJ..	UNJ航空工业螺纹刀片	A66
27IR/L..W..	W英制螺纹刀片	A63
27UER/L..TR..	DIN103梯形螺纹刀片	A70,B116
27UIR/L..TR..	DIN103梯形螺纹刀片	A70,B116
27VER..ISO..	ISO公制螺纹刀片	A62,B119
27VER..W..	W英制螺纹刀片	A64,B119
27VER/L..TR..	DIN103梯形螺纹刀片	A70,B119
27VNR..ISO..	ISO公制螺纹刀片	A62,B120
27VNR..W..	W英制螺纹刀片	A64,B120
27VNR/L..TR..	DIN103梯形螺纹刀片	A70,B120
2AI..	螺纹铣刀片 AI	L23
2DTK..	二爪中空大行程液压卡盘	M05
2F45C..	钨钢平底铣刀-2刃黑色	F03
2F45C...R..	钨钢圆角铣刀-2刃黑色	F17
2F45CR..	钨钢球头立铣刀-2刃黑色	F21
2F50C..	钨钢平底铣刀-2刃古铜色	F04
2F50C...R..	钨钢圆角铣刀-2刃古铜色	F18
2F50CR..	钨钢球头立铣刀-2刃古铜色	F21
2F55C..	钨钢平底铣刀-2刃纳米黑	F05
2F55C...R..	钨钢圆角铣刀-2刃纳米黑	F19
2F55CR..	钨钢球头立铣刀-2刃纳米黑	F22
2F60C..	钨钢平底铣刀-2刃金色	F06
2F60C..	钨钢平底铣刀-2刃微小径	F13
2F60C..	钨钢球头立铣刀-2刃微小径	F14
2F60C...R..	钨钢圆角铣刀-2刃金色	F20
2F60CR..	钨钢球头立铣刀-2刃金色	F23
2F65C..	钨钢平底铣刀-2刃纳米蓝	F07
2F65C...R..	钨钢圆角铣刀-2刃纳米蓝	F20
2F65CR..	钨钢球头立铣刀-2刃纳米蓝	F23
2FS..	高速钢平底铣刀-2刃	F26
2JDB..	二爪中空大行程液压卡盘	M05
2JLS..	二爪中空超大行程液压卡盘	M10
2L..	二爪中空长行程液压卡盘	M10
2R..	汽车轮毂夹头	M40
2SBTR..	小孔镗刀-双头	AB56,B50
2UI..	螺纹铣刀片	L23
30E..	螺纹铣刀片	L15,L16
30N..	螺纹铣刀片	L15,L16
3AI..	螺纹铣刀片	L23
3DTK..	三爪中空大行程液压卡盘	M06
3GB..	杠杆式补偿型液压卡盘	M09
3JDB..	三爪中空大行程液压卡盘	M06
3JLS..	三爪中空超大行程液压卡盘	M11
3L..	三爪中空长行程液压卡盘	M11
3PKT..	铣刀片	A75,D13
3PTE90..	直角铣刀杆-3PKT	D13,D14
3PTE90..M..	锁牙式刀头-3PKT	D14
3T-M..	钨钢螺纹铣刀-公制三牙	L05,L07
3T-UN..	钨钢螺纹铣刀-美制三牙	L10
3UI..	螺纹铣刀片	L23

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40E..	螺纹铣刀片	L15,L16
40N..	螺纹铣刀片	L15,L16
4DTK..	四爪中空大行程液压卡盘	M07
4F45C..	钨钢平底铣刀-4刃黑色	F03
4F45C...R..	钨钢圆角铣刀-4刃黑色	F17
4F50C..	钨钢平底铣刀-4刃古铜色	F04
4F50C...R..	钨钢圆角铣刀-4刃古铜色	F18
4F55C..	钨钢平底铣刀-4刃纳米黑	F05,F15
4F55C...R..	钨钢圆角铣刀-4刃纳米黑	F19
4F60C..	钨钢平底铣刀-4刃金色	F06
4F60C...R..	钨钢圆角铣刀-4刃金色	F20
4F65C..	钨钢平底铣刀-4刃纳米蓝	F07
4F65C...R..	钨钢圆角铣刀-4刃纳米蓝	F20
4FS..	高速钢平底铣刀-4刃	F26
4FSI..	高速钢平底铣刀-英制	F25
4FSU..	高速钢粗皮铣刀	F25
4JDB..	四爪中空大行程液压卡盘	M07
4NKT..	直角铣刀杆/刀盘-4NKT	D04
4NKT..	铣刀片	D05,D06
4NKT..M..	锁牙式刀头-4NKT	D05
4UI..	螺纹铣刀片	L23
6GR..	切槽刀片	A59,B176
6NGU..	铣刀片	A75,D11
6NTE90..	直角铣刀杆-6NGU	D11
6NTE90..M..	锁牙式刀头-6NGU	D12
6NTF90..	直角铣刀盘-6NGU	D12
7GR..	切槽刀片	A59,B176
80..	3D方向寻边器	P13
880..	快速钻头刀片	A85,K15
880..	快速钻头刀片	
890..	T型槽铣刀-N331一体式	D81
8GR..	切槽刀片	A59,B176
9GR..	切槽刀片	A59,B176

A

A..	B型精密V型台	N23,N27
A..."	直装型三爪夹头	M36
A..DCLNR/L..	内孔车刀	B64
A..DDUNR/L..	内孔车刀	B76
A..DTFNR/L..	内孔车刀	B68
A..DWLNR/L..	内孔车刀	B82
A..SVJCR/L..AE	内孔车刀	B105
A..SVJPR/L..AE	内孔车刀	B105
A4G..	切槽/切断	A47,B158
A4R..	切槽/切断	A47,B158
A4SMR/L	外径切断切槽用刀柄	B158
ABPF..	球头立铣刀杆-ZP	D45
ABS..	后车削刀片	A56
ABS15R..	后车削刀片	AB34
ABW15R..	后车削刀片	AB34
ABW23R..	后车削刀片	AB34
ACH..	快速钻头倒角环	K30
ACMT..	铣刀片	A81,D54
ADET..	铣刀片	D29
ADMT..	铣刀片	A81,D54
ADMT..	铣刀片	
ADNT..	铣刀片	A77,D29,D63
ADS..	后拉式刀柄夹头	P09
AE..	锥形八爪夹头	M35
AHCT	气动式手提倒角机	N38
AHU..C..	直角铣刀杆-JDMT	D15
AHUB..	直角铣刀盘-JDMT	D16
AHUM..	锁牙式刀头-JDMT	D16
AJX..	高进给立铣刀刀盘-JDMT	D92
AJX..	铣刀压板	P05
AJX..C..	高进给立铣刀刀杆-JDMT	D91
AJX..M..	锁牙式刀头-JDMT	D92
AL..AP..	直角铣刀盘-APMT铝制	D21
AL-2F50CR..	钨钢球头立铣刀-2刃铝用	F22
AL-2F55C..	钨钢平底铣刀-2刃铝用	F09
AL-2F60C..	钨钢平底铣刀-2刃微小径铝用	F13
AL-2F60C..	钨钢球头立铣刀-2刃微小径铝用	F14
AL-3F55C..	钨钢平底铣刀-3刃铝用	F09
AL-4F45C..	钨钢平底铣刀-4刃铝用	F08

型号 Model	名称 Name	页码 Page
AL-4F50C..	钨钢平底铣刀-4刃铝用	F08
AL-4F55C..	钨钢平底铣刀-4刃铝用	F08,F15
AL-BBTXD..	钨钢棒棒糖铣刀-铝用	F36
AL-CP3F..	钨钢粗皮铣刀-3刃铝用	F25
ALG-3F55C..	钨钢平底铣刀-3刃铝用高光	F10
AL-KM12..	面铣刀铝制刀盘-SEKT1204	D114
AL-LXWGDJ..	螺旋槽钨钢铰刀-铝用	F44,K62
AL-NRXD..	钨钢内R铣刀-铝用	F34
AL-SG2F..	钨钢平底铣刀-2刃深沟铝用	F11
AL-SG2F..R..	钨钢球头立铣刀-2刃深沟铝用	F12
AL-TXD..	钨钢T型槽铣刀-铝用	F36
AL-YWD..	钨钢燕尾槽铣刀-铝用	F38
AL-ZCWGJD..	直槽钨钢铰刀-铝用	F44,K62
ANPT..	美制航空圆锥管螺纹	L42
AOMT1236..	铣刀片	A77,D27
AP..	可调式角度垫规磁性正弦规	N22
AP1003..	直角铣刀杆/刀盘-APKT	D18
AP50	砂轮角度成型器	N22
APET..	铣刀片	A77,D29
APKT..	铣刀片	A75,A76,A81,D19
APKT1003..	铣刀片	D18
APKT1504..	铣刀片	D71
APMT..	铣刀片	A76,A81,D19
APNT..	铣刀片	A77,D29
APU..	自紧式钻夹头	C61
ARPF..	直角立铣刀杆-ZC	D45,D47,D48,D49
AS..	锥形六爪夹头	M35
AS..	超精密工具万力	N27
ASJ..	钻铣刀杆-ACMT/ADMT	D54
ASM..	直角铣刀杆-JDMT	D17
ASMM..	锁牙式刀头-JDMT	D17
ASR..C..	高进给立铣刀杆-EPNW	D85
ASR..C..	高进给立铣刀杆-SDNW	D87
ASR06R..	高进给立铣刀刀盘-EPNW	D88
ASRF..	高进给立铣刀刀盘-SDNW	D88
ASRM..	锁牙式刀头-EPNW	D86
A-STXN..	小零件车刀	AB31
ASX400..	直角铣刀盘-SP	D32
ASX445..	面铣刀刀盘-SEMT13T3	D112
ATC-BT..	三点组合精密检测工具	F16
ATC-CAT..	三点组合精密检测工具	F16
ATC-HSK..	三点组合精密检测工具	F16
ATC-SK..	三点组合精密检测工具	F16
ATS..	T型槽铣刀刀杆	D81
AXGT..	铣刀片	A77
AXMT..	铣刀片	A77,D30

B

B..FDER..	ER型径向浮动铰孔刀柄	C55
B..FDG..	径向浮动攻牙刀柄	C55
B..G..	柔性伸缩攻牙保护刀柄	C56
B..STZCR..	内孔车刀	B97
B45..	倒角刀-45°	D57
BA..	方型磁性测定台	N23
BAP..	直角铣刀盘-APMT	D22
BAP..C..	直角铣刀杆-APMT	D20
BAP..M..	锁牙式刀头-APMT	D22
BBT..NBH..	镗刀刀柄本体	K36
BBT..SR..	热缩刀柄	C16
BBTXD..	钨钢棒棒糖铣刀	F36
BCF..C..	球头立铣刀杆-ZC	D43
B-CGWSR/L..	外径切断切槽用刀柄	B156
BE..A	BE组合式镗头	K46
BJ..-..	镗刀刀杆-CBI	K45
BJT..	侧固式油路刀柄刀套	C86
B-KGMR/L..	外径切断切槽用刀柄	B152
BLMP..	铣刀片	A83,D103
BM..	微调精镗刀配件-HBOR	K41
BMC..C..	倒角刀	D65
BNM..	铣刀片	A80,D50
BNM..C..	球头立铣刀杆-BNM	D50
BNM..M..	锁牙式刀头-BNM	D50
BQDJ..	固定式顶尖-半缺	M44

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BR..-..	微调精镗刀配件-HBOR	K41
BS..	万能分度头	N18
BS-..	刀柄扳手	P06
B-S..SCKCR/L..	内孔车刀	B87
B-S..SCLCR/L..	内孔车刀	B85
B-S..SDJCR/L..	内孔车刀	B89
B-S..SDUCR/L..	内孔车刀	B92
B-S..SDXCR/L..	内孔车刀	B90
B-S..STFCR/L..	内孔车刀	B101
B-S..STFPR/L..	内孔车刀	B102
B-S..STUCR/L..	内孔车刀	B99
B-S..STUPR/L..	内孔车刀	B100
B-S..STWCR/L..	内孔车刀	B96
BSA..	可调式镗刀-刀柄	K52
BSB..	可调式镗刀-刀柄	K52
B-SER/L..	外螺纹车刀	B115
B-SGIVFR..	小孔端面切槽刀杆	B181
B-SIGER/L..	内孔切槽刀柄	B175
BSL..	L型扳手	P05
B-SNGR/L..	内孔切槽刀柄	B176
B-SNR/L..	内螺纹车刀	B121
BST..	梅花扳手-旗型	P05
BT..ADS..	后拉式刀柄	C29
BT..AP..	玉米型粗铣刀刀柄-AP一体式	D70
BT..AP10..	一体式直角铣刀	D18
BT..APU..	自紧式钻夹头	C59
BT..BSA..	可调式镗刀-刀柄	K52
BT..BSB..	可调式镗刀-刀柄	K52
BT..BST..	镗刀刀柄本体	K36
BT..C..	强力型刀柄-防尘型	C33
BT..CBI..PCS	微调精镗刀-套装	K45
BT..EDC..	一体式直角铣刀-EDCT	D29
BT..EHC..	液压刀柄	C09-C10
BT..EM..	侧固式刀柄-可调节直径	K31
BT..ER..	套装ER弹性筒夹刀柄	C45
BT..ER..A..	ER弹性筒夹刀柄	C43
BT..ER..M..	ER弹性筒夹刀柄	C44
BT..FDCG..	侧固式径向浮动铰孔刀柄	C55
BT..FDGR..	ER型径向浮动铰孔刀柄	C55
BT..FMA..	面铣刀刀柄	C65
BT..FMB..	面铣刀刀柄	C66
BT..FS..	面铣刀刀柄	C66
BT..G..	柔性伸缩攻牙保护刀柄	C56
BT..GER..	ER弹性筒夹刀柄	C42
BT..GSK..	GSK高速刀柄	C06
BT..GTP..	扭力伸缩攻牙保护刀柄	C55
BT..HBOR..	微调精镗刀-刀柄本体	K40
BT..HBOR..P	微调精镗刀-套装	K40,K41
BT..LBK..	镗刀刀柄本体	K37
BT..MCST..	强力型刀柄-防尘滚花型	C38,C40
BT..MFT..M..	锁牙式刀柄-BT柄	D118
BT..MLT..	强力型刀柄-滚花型	C35
BT..MTA..	莫氏锥度刀柄	C71
BT..MTB..	莫氏锥度刀柄	C75
BT..NBH..	镗刀刀柄本体	K36
BT..NBH..P	微调精镗刀-套装	K49
BT..NBJ..P	微调精镗刀-套装	K48
BT..OHER..	油路刀柄-ER夹头型	C83
BT..OSL..	油路刀柄-侧固型	C84
BT..OZ..	OZ重切削筒夹刀柄	C53,C54
BT..R390..	一体式直角铣刀	D24
BT..SLN..	侧固式刀柄	C77
BT..SLN..J	侧固式刀柄-带斜度	C78
BT..SPC..	玉米型粗铣刀刀柄-SP一体式	D72
BT..SR..	热缩刀柄	C13-C15
BT..SRC..	热缩刀柄-强力型	C23
BT..SVER..	微伸缩同步攻牙保护刀柄	C57
BT..TER..	ER刚性攻牙保护刀柄	C58
BT..TSK..	GSK高速刀柄	C07
BT..UFER..	万向去毛刺刀柄	C55
BT..VER..	微伸缩攻牙保护刀柄	C57
BT..WC..L	侧固式留心钻	K29
BT..XS..	三面刃铣刀刀柄	C62
BZDZ..	背轴刀座	M28,M29
BZ-MT..	回转顶尖-标准型	M41

C

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C..	强力刀柄夹头	P09
C..ADS..	后拉式刀柄	C30
C..AP..	玉米型粗铣刀刀杆-AP	D70
C..APU..	自紧式钻夹头	C60
C..CBR..	组合式外圆镗刀	K44
C..ER..	ER弹性筒夹刀柄	C49-C52
C..FDCG..	侧固式径向浮动铰孔刀柄	C55
C..FDER..	ER型径向浮动铰孔刀柄	C55
C..FDER..T..	ER型径向浮动铰孔刀柄(通水型)	C55
C..FDG..	径向浮动攻牙刀柄	C55
C..G..	柔性伸缩攻牙保护刀柄	C56
C..GSK..	GSK高速刀柄	C08
C..GTP..	扭力伸缩攻牙保护刀柄	C55
C..JT..	钻夹头接杆	C63
C..LBK..	镗刀刀柄本体	K38
C..MTUNR/L..	内孔车刀	B72
C..NBH..	镗刀刀柄本体	K36
C..NBH..P	微调精镗刀-套装	K49
C..NBJ..P	微调精镗刀-套装	K48
C..QE..D..	内孔切槽刀柄	B154
C..QKDR/L..	汽车轮毂车刀	B153,B186
C..QLDR/L..	汽车轮毂车刀	B153,B186
C..SCKCR/L..	内孔车刀	B87
C..SCLCR/L..	内孔车刀	B83
C..SDJCR/L..	内孔车刀	B89
C..SDQCR/L..	内孔车刀	B91
C..SDUCR/L..	内孔车刀	B92
C..SDXCR/L..	内孔车刀	B90
C..SDZCR/L..	内孔车刀	B91
C..SJZCR/L..	内孔车刀	B88
C..SK..	GSK高速刀柄	C08
C..SLN..	侧固式刀柄-直柄	C82,M20
C..SSKCR/L..	内孔车刀	B94
C..STFCR/L..	内孔车刀	B101
C..STFPR/L..	内孔车刀	B102
C..STUBR/L..	内孔车刀	B95
C..STUCR/L..	内孔车刀	B99
C..STUPR/L..	内孔车刀	B100
C..STWCR/L..	内孔车刀	B96
C..STXBR/L..	内孔车刀	B98
C..STXPR/L..	内孔车刀	B98
C..STZBR/L..	内孔车刀	B98
C..STZCR..	内孔车刀	B97
C..STZPR..	内孔车刀	B97
C..SVBR..	微伸缩同步攻牙保护刀柄	C57
C..SVJBR/L..	内孔车刀	B103
C..SVJCR/L..	内孔车刀	B103
C..SVQBR/L..	内孔车刀	B109
C..SVQCR/L..	内孔车刀	B109
C..SVUBR/L..	内孔车刀	B107
C..SVUCR/L..	内孔车刀	B107
C..SVXBR/L..	内孔车刀	B104
C..SVXCR/L..	内孔车刀	B104
C..SVZBR/L..	内孔车刀	B108
C..SVZCR/L..	内孔车刀	B108
C..SWLCR/L..	内孔车刀	B112
C..SWUBR/L..	内孔车刀	B111
C..TER..	ER刚性攻牙保护刀柄	C58
C..UFER..	万向去毛刺刀柄	C55
C..VER..	微伸缩攻牙保护刀柄	C57
C..WC..L	侧固式留心钻	K29
CA..-..	螺丝沉头孔倒角刀	D66
CA..T	整体钨钢小镗刀	K40
CAT..APU..	自紧式钻夹头	C59
CAT..BST..	镗刀刀柄本体	K36
CAT..GTP..	扭力伸缩攻牙保护刀柄	C55
CAT..NBH..	镗刀刀柄本体	K36
CAT..NBH..P	微调精镗刀-套装	K49
CAT..NBJ..P	微调精镗刀-套装	K48
CAT..OZ..	OZ重切削筒夹刀柄	C53,C54
CAT..SVBR..	微伸缩同步攻牙保护刀柄	C57
CB..-	钨钢防震镗刀刀杆	K40
CBH..	微调精镗刀-镗头	K43

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CBH..M..	微调精镗头-外圆	K44
CBI..	微调精镗刀-镗头	K45
CBI..	镗刀专用变径套	K46
CBI..	整体钨钢小镗刀	K46
CBS..	可调式镗刀-刀杆	K54
CBSNR/L..	端面切槽刀杆	B186
CBSNR/L..B..	外圆车刀	B32
CC-CSLM..	车床用刀塔出水铜帽	M23
CCGT..	数控刀片	A19-A20
CCGW..	数控刀片	A19
CCJT..	车床夹头/夹头座	M25,M26
CCJT-ER..	ER轴动力装置	M31,M32
CCLNR/L..	外圆车刀	B04
CCMT..	数控刀片	A20,D53
CCSGW..	车床用双工位车床刀座	M21
CCYS..	车床用延伸刀座	M20
CDJNR/L..	外圆车刀	B10
CER/L..	外螺纹车刀	B115
CGBR/L..	外圆切槽刀杆	B162
CGBSR/L..	外圆切槽刀杆	B162
CGSSR/L..	切断加工用车刀杆	B135
CGWSR/L..	外径切断切槽用刀柄	B156
CH..	螺丝沉头孔铣刀	D54
CH-GTTL..	CH正面排刀	AB15
CH-LBML..	CH正面排刀	AB16
CHM..	万向精密虎钳	N28
CH-SDUCL..	CH正面排刀	AB15
CH-STUCL..	CH正面排刀	AB15
CH-SVUP..	小零件车刀	AB29
CH-SVUPL..	CH正面排刀	AB15
CK..	万能夹具组	F16
CK..-..-..	镗刀刀柄本体	K38
CKJNR/L..	外圆车刀	B31
CM..	卧式倒角机	N38
CMSP..	复合式超薄正弦磁台	N25
CNGA..	数控刀片	A01
CNMA..	数控刀片	A02
CNMG..	数控刀片	A01-A02
CNMM..	数控刀片	A02
CNR/L..	内螺纹车刀	B122
CP..A	强力永磁夹盘	N26
CP..AY	粗目永磁夹盘	N26
CP..U	回转型永磁夹盘	N27
CP..UW	回转型微距形永磁夹盘	N27
CP..V	细目永磁吸盘	N26
CP..W	强力永磁细目夹盘	N26
CP4F..	钨钢粗皮铣刀-4刀黑色	F25
CPMT..	铣刀片	A79,A81,D43,D53
CRDNN..	外圆车刀	B31
CSB..	主轴测试棒	P13
CSDNN..	外圆车刀	B16
CSKNR/L..	外圆车刀	B17
CSPM..	复合式粗目正弦磁台	N25
CSPS..	复合式细目正弦磁台	N25
CSRNR/L..	外圆车刀	B14
CSV..	凸轮车床用刀具	AB06
CT..	可调式普通型三爪钢壳夹头	M37
CTGFR/L..	外圆切槽刀杆	B169
CTGFSR/L..	外圆切槽刀杆	B169
CTJNR/L..	外圆车刀	B24
CTM..	车刀中心销	P03
CTP..	小零件切槽切断	A39,A40
CTP..	CTP系列车刀杆	AB42
CTP..OH	CTP系列车刀杆-内冷型	AB43
CTP..SUB	CTP系列车刀杆-背轴	AB42
CTPA..	小零件切槽切断	A41,AB41
CTPSL..	CTP系列车刀杆	AB42
CTPW..	CTPW系列切槽切断	A42,AB44
CTWR/L..	切断加工用车刀杆	B135
CW..A	LBK倒角刀组件	K55
CZDP..	铲钻刀片	K18

D

D..A..	快速钻头倒角环	K31
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型号 Model	名称 Name	页码 Page
D..AP..	玉米型粗铣刀刀盘-AP	D70
D..ER..	走心机专用ER刀柄	M30
D..-MT..	车床刀套-莫氏	M19
D..-T..	车床刀套	M19
DAT..C..	强力型刀柄-防尘型	C34
DAT..ER..	ER弹性筒夹刀柄	C46
DAT..FMB..	面铣刀刀柄	C68
DAT..FS..	面铣刀刀柄	C68
DAT..MCST..	强力型刀柄-防尘滚花型	C39
DAT..MCST..	套装强力型-防尘滚花型	C40
DAT..MLT..	强力型刀柄-滚花型	C36
DAT..MTA..	莫氏锥度刀柄	C73
DAT..SLN..	侧固式刀柄	C80
DBWGZT..	钨钢钻头-定柄	K67,K68
DCBNR/L..	外圆车刀	B05
DCFNR/L..	外圆车刀	B08
DCGNR/L..	外圆车刀	B06
DCGT..	数控刀片	A21-A22
DCGW..	数控刀片	A21
DCGX..	铣刀片	D56
DCKNR/L..	外圆车刀	B06
DCLNR/L..	外圆车刀	B03
DCM..	铣刀压板	P05
DCMNN..100	外圆车刀	B07
DCMNN..80	外圆车刀	B07
DCMT..	数控刀片	A22
DCSNR/L..	外圆车刀	B08
DDFNR/L..	外圆车刀	B11
DDJ..	车床用单刀架	M22
DDJNR/L..	外圆车刀	B09
DDPNN..	外圆车刀	B12
DDQNR/L..	外圆车刀	B11
DF60	精密砂轮厚度修理器	N22
DG..	快速钻头研磨机	N37
DGHR/L..	外径切断切槽用刀柄	B155
DGN..	切槽/切断	A47,B159
DGTR/L..	外径切断切槽用刀柄	B159
DIN..MTA..	侧固式油路刀柄	C86
DIN-PO-M..	高速钢丝锥-公制德标直槽	L40
DIN-SP-M..	高速钢丝锥-公制德标螺旋槽	L39
DJC..	数控刀柄用刀具车	F15
DJJ..	数控刀柄用刀具整理架	F15
DJT..	数控刀柄用刀具套	F15
DMP..	T型槽铣刀刀杆	D76
DMP..B..	T型槽铣刀刀盘-刀盘型	D76
DMP..K..	T型槽铣刀刀盘-卡口型	D75
DNGA..	数控刀片	A03
DNMA..	数控刀片	A04
DNMG..	数控刀片	A03-A04
DNMM..	数控刀片	A04
DSBNR/L..	外圆车刀	B13
DSDNN..	外圆车刀	B15
DS-GTTL..	DS套筒式车刀刀柄	AB13
DSKNR/L..	外圆车刀	B17
DS-KTGF..	DS套筒式车刀刀柄	AB13
DS-KTKF..	DS套筒式车刀刀柄	AB14
DS-KTTX..	DS套筒式车刀刀柄	AB13
DS-LBMB..	DS套筒式车刀刀柄	AB14
DSRNR/L..	外圆车刀	B14
DS-SCLC..	DS套筒式车刀刀柄	AB09
DS-SCLC..ACH	DS套筒式车刀-可调节型	AB09
DS-SDUC..	DS套筒式车刀刀柄	AB10
DS-SDUC..ACH	DS套筒式车刀-可调节型	AB10
DS-SDXC..	DS套筒式车刀刀柄	AB09
DSSNR/L..	外圆车刀	B18
DS-STTL..	DS套筒式车刀刀柄	AB13
DS-STXN..	DS套筒式车刀刀柄	AB10
DS-SVNR..	DS套筒式车刀刀柄	AB14,AB64
DS-SVU..	DS套筒式车刀刀柄	AB11
DS-SVVP..	DS套筒式车刀刀柄	AB12
DS-SVVP..ACH	DS套筒式车刀-可调节型	AB12
DS-SVX..	DS套筒式车刀刀柄	AB11
DS-TBPL..	DS套筒式车刀刀柄	AB14
DS-TTPL..	DS套筒式车刀刀柄	AB13
DT100	钻石砂轮修正器	N22

型号 Model	名称 Name	页码 Page
DTFNR/L..	外圆车刀	B22
DTGNR/L..	外圆车刀	B21
DTJNR/L..	外圆车刀	B24
DTM100	电动钻石砂轮修正器	N22
DVJNR/L..	外圆车刀	B25
DVQNR/L..	外圆车刀	B26
DVUNR/L..	外圆车刀	B28
DVVNN..	外圆车刀	B27
DWLNR/L..	外圆车刀	B29
DX..	VMD钻头-连接杆	K20
DZQ..	磁性吊重器	N40

E

E..SCLCR/L..	内孔车刀	B83
E..SDUCR/L..	内孔车刀	B92
E..SDXCR/L..	内孔车刀	B90
E..STFCR/L..	内孔车刀	B101
E..STFPR/L..	内孔车刀	B102
E..STUBR/L..	内孔车刀	B95
E..STUCR/L..	内孔车刀	B99
E..STUPR/L..	内孔车刀	B100
E..SWUBR/L..	内孔车刀	B111
ECBNR/L..	外圆车刀	B05
ECFNR/L..	外圆车刀	B08
ECCNR/L..	外圆车刀	B06
ECKNR/L..	外圆车刀	B06
ECLNR/L..	外圆车刀	B03
ECMNN..100	外圆车刀	B07
ECMNN..80	外圆车刀	B07
EDJNR/L..	外圆车刀	B09
EDMT..	铣刀片	A75,A82,D86
EDMT07..	铣刀片	D17
EDNW..	铣刀片	A82,D86
EDPNN..	外圆车刀	B12
EDQNR/L..	外圆车刀	B11
EHV..	电极万力	N32
EMR..C..	圆角铣刀杆-RP	D35
EMRM..M	锁牙式刀头-RP	D34
EMRW..	圆角铣刀盘-RP	D34
EMRW..C..	圆角铣刀杆-RP	D36
EPM..W	电控永磁吸盘	N16
EPMT..	铣刀片	A82,D86
EPNW..	铣刀片	A82,D86
EPX3000..C..	直角铣刀杆-AOMT	D27
ER..	ER刀柄夹头	P10
ERT..M..	ER丝攻夹头	P11,P12
ERZ..	ER止水筒夹	P10
ESDNN..	外圆车刀	B15
ESKNR/L..	外圆车刀	B17
ESRNR/L..	外圆车刀	B14
ESSNR/L..	外圆车刀	B18
ETENN..	外圆车刀	B20
ETFNR/L..	外圆车刀	B22
ETGNR/L..	外圆车刀	B21
ETJNR/L..	外圆车刀	B24
ETQNR/L..	外圆车刀	B23
EVJNR/L..	外圆车刀	B25
EVQNR/L..	外圆车刀	B26
EVVNN..	外圆车刀	B27
EVLNR/L..	外圆车刀	B29
EXN..C..	高进给立铣刀刀杆-LNMU	D105
EXN03R..	高进给立铣刀刀盘-LNMU	D106
EXN03R..M..	锁牙式刀头-LNMU	D106

F

F250	磨床用砂轮法兰	N22
F350	磨床用砂轮法兰	N22
FC..LBK	镗刀刀柄本体-钨钢刀杆	K43
FCT..	可调式普通型四爪钢壳夹头	M37
FD..	切槽刀片	B184
FD..	圆盘尾座	N11
FGD..	切槽/切断	A45,B187

型号 Model	名称 Name	页码 Page
FGHH..R/L..	端面切槽刀杆	B187
FGM..	切槽/切断	A45,B187
FGVH..R/L..	端面切槽刀杆	B188
FKT..	可调式强力型四爪钢壳夹头	M38
FLT-M..	钨钢螺纹铣刀-公制全牙左旋	L08
FMA..	刀柄配件	P05
FMB..	刀柄配件	P05
FMM..	切槽/切断	A45,B187
FM-M..	阀门专用丝锥	L47
FMP02R..	直角铣刀盘-SEET	D28
FMZT..	粉末高速钢钻头-定柄	K63
FT-G..	钨钢螺纹铣刀-英制圆柱管螺纹	L13
FT-M..	钨钢螺纹铣刀-公制全牙	L06
FT-NPT..	钨钢螺纹铣刀-美制圆锥管螺纹	L14
FT-PG..	钨钢螺纹铣刀-PG全牙	L13
FT-RC..	钨钢螺纹铣刀-美制圆锥管螺纹	L14
FT-UN..	钨钢螺纹铣刀-美制全牙	L11
FVC1604R..	切槽刀片	B170
FZB-..	寻边器	P14

G

G..	圆柱管螺纹	L41
GB..B..	块规-高速钢	N24
GB..C..	块规-钨钢	N24
GB..E	高速钢针规	N24
GBA..	切槽刀片	A36,B161
GB-PO-M..	高速钢丝锥-公制国标直槽	L38
GB-PO-TR..	梯形螺纹丝锥	L47
GB-SP-M..	高速钢丝锥-公制国标螺旋槽	L37
GCMN.	切槽/切断	A48,B160
GCMT..	快速钻头刀片	A85,K15
GDDJ-..	固定式顶尖	M44
GER..	切槽刀片	A57-A58,B174-B175,B181
GH..	倒角机	N38
GHD..	滚花刀	AB79-AB80
GHL..	滚花轮	AB79-AB80
GMM..	切槽/切断	A48,B151
GNDLR/L	外径切断切槽用刀柄	B160
GPMT..	快速钻头刀片	A85,K15
GS-MT..	回转顶尖-高速	M41
GT..	导磁块	N23
GTTR/L..	外圆切槽刀杆	B169
GVH..	磁性V型台	N23
GWCR/L..	外圆切槽刀杆	B166
GY2M..	切槽/切断	A49,B155
GYHR/L..	外径切断切槽用刀柄	B155

H

H..	精密双刀口直角尺	N23
H..SCKCR/L..	内孔车刀	B87
H..SCLCR/L..	内孔车刀	B84
H..SCWCR/L..	内孔车刀	B88
H..SDJCR/L..	内孔车刀	B89
H..SDUCR/L..	内孔车刀	B92
H..SDWCR/L..	内孔车刀	B93
H..SDXCR/L..	内孔车刀	B90
H..SSKCR/L..	内孔车刀	B94
H..SSSCR/L..	内孔车刀	B94
H..STFCR/L..	内孔车刀	B101
H..STFPR/L..	内孔车刀	B102
H..STUBR/L..	内孔车刀	B95
H..STUCR/L..	内孔车刀	B99
H..STUPR/L..	内孔车刀	B100
H..STWCR/L..	内孔车刀	B96
H..SWLCR/L..	内孔车刀	B112
H..SWUBR/L..	内孔车刀	B111
H2800	热缩机	C27-C28
H55C-NRXD..	钨钢内R铣刀-古铜色	F34
HAO..	凸轮车床用刀具	AB05
HAP..	万能可调倾斜式角度盘	N18
HBOR..	微调精镗刀-镗头	K39
HD..	脱磁器	N24
HDV..	角固式光面虎钳	N16

型号 Model	名称 Name	页码 Page
HEP..	面铣刀刀盘-七角XDMT	D98
HL..	M型车刀配件-压板	P04
HM..	液压力柄夹头	P09
HMP..	倍力内藏式增压虎钳	N17
HMP..A	高级倍力外藏式增压虎钳	N17
HMP..BT..SP..	玉米型粗铣刀刀柄-SP组合式	D72
HNGX..	铣刀片	A83,D97
HNR/L..	内螺纹车刀	B121
HPAC..	多功能CNC角固式精密光面直角虎钳	N17
HSK..ADS..	后拉式刀柄	C31
HSK..APU..	自紧式钻夹头	C59
HSK..BST..	镗刀刀柄本体	K36
HSK..EHC..	液压力柄	C11-C12
HSK..ER..	ER弹性筒夹刀柄	C47
HSK..FMB..	面铣刀刀柄	C67
HSK..G..	柔性伸缩攻牙保护刀柄	C56
HSK..GTP..	扭力伸缩攻牙保护刀柄	C55
HSK..HBOR..P	微调精镗刀-套装	K40,K41
HSK..LBK..	镗刀刀柄本体	K37
HSK..MLT..	强力型刀柄-滚花型	C37
HSK..MTA..	莫氏锥度刀柄	C73
HSK..NBH..	镗刀刀柄本体	K36
HSK..NBH..P	微调精镗刀-套装	K49
HSK..NBJ..P	微调精镗刀-套装	K48
HSK..SLN..	侧固式刀柄	C81
HSK..SR..	热缩刀柄	C18-C22
HSK..SRC..	热缩刀柄-强力型	C24
HSK..SVER..	微伸缩同步攻牙保护刀柄	C57
HSK..TER..	ER刚性攻牙保护刀柄	C58
HSK..VER..	微伸缩攻牙保护刀柄	C57
HT..AG..	HT逗号刀具-螺纹刀片	AB72,B56
HT..R..	HT逗号刀具-切槽刀片	AB72,B56
HT..TR..	HT逗号刀具-镗孔刀片	AB71,B55
HT05..	HT逗号刀杆	AB71,B55
HT07..	HT逗号刀杆	AB71,B55
HT11..	HT逗号刀杆	AB71,B55
HTS..	T型槽铣刀刀杆	D73
HUT..	万能倾斜分度盘	N18
HV..	横立两用分度盘	N18
HVA..	平面油压虎钳	N16
HVL..	向量式精密光面直角虎钳	N17
HVQ..	倍力增压式精密光面直角虎钳	N17
HVV..	双向油压虎钳	N17

I

IHCT	不规则式手提式倒角机	N38
IL..	L型扳手-直柄	P05
IM-SP..	铣刀片	D44
ISO..APU..	自紧式钻夹头	C59
ISO..ER..	ER弹性筒夹刀柄	C41
ISO..GER..	ER弹性筒夹刀柄	C41
ISO..GSK..	GSK高速刀柄	C05
ISO..NBH..	镗刀刀柄本体	K36
ISO..SRS..	热缩刀柄	C17
IT..	梅花扳手-直柄	P05

J

JCLNR/L..	外圆车刀	B04
JDJNR/L..	外圆车刀	B10
JDMT..	铣刀片	A75,A82,D16,D92
JDMT07..	铣刀片	D17
JDMW..	铣刀片	A82,D92
JIS-NRT..UN..	高速钢丝锥-美制日标挤压	L36
JIS-NRT-M..	高速钢丝锥-公制日标挤压	L35
JIS-PO..UN..	高速钢丝锥-美制日标直槽	L34
JIS-PO..W..	高速钢丝锥-英制日标直槽	L33
JIS-PO-M..	高速钢丝锥-公制日标直槽	L31,L32
JIS-SP..UN..	高速钢丝锥-美制日标螺旋槽	L29
JIS-SP..W..	高速钢丝锥-英制日标螺旋槽	L30
JIS-SP-M..	高速钢丝锥-公制日标螺旋槽	L27,L28
JM..A	油压虎钳	N15
JMR..	三爪气压夹盘	M33

型号 Model	名称 Name	页码 Page
JN..	三爪中实液压卡盘	M11
JNL..	二爪中实液压卡盘	M10
JNS..	立式内藏式气动卡盘	M13
JNT..	液压卡盘用T型块	M17
JOMT..	铣刀片	A82,D92
JOMW..	铣刀片	A82,D92
JPDG..	锯片刀杆	F42
JRT..	回转式气压夹盘	M33
JSA..	液压卡盘用连接盘	M17
JSDN3CR/L..	小零件车刀	AB24
JSDNN..	外圆车刀	B16
JSTACR/L..	小零件车刀	AB31
JSTGR/L..	外圆切槽刀杆	B169
JT..	走心机夹头	M27,M28
JT..FDER..	ER型径向浮动铰孔刀柄	C55
JT..FDG..	径向浮动攻牙刀柄	C55
JT..G..	柔性伸缩攻牙保护刀柄	C56
JT..GTP..	扭力伸缩攻牙保护刀柄	C55
JT..TER..	ER刚性攻牙保护刀柄	C58
JT..UFER..	万向去毛刺刀柄	C55
J-Y..	中实高速油压回转缸	M12
JYS..	立式中空液压卡盘	M14
J-YS..	中实高速油压回转缸(带止逆阀)	M12
JZTT..	建筑套筒用螺纹丝锥	L44

K

KDR..	圆角铣刀盘-RN	D42
KDR..C..	圆角铣刀杆-RN	D42
KGBAR/L..OH	外圆切槽刀杆-内冷型	B163
KGBAR/L..OH2	外圆切槽刀杆-内冷型	B165
KGBFR/L..OH	外圆切槽刀杆-内冷型	B165
KGMR/L..	外径切断切槽用刀柄	B152
KGMSR/L..	外径切槽刀杆	B151
KIGMR/L..	内孔切槽刀柄	B151
KM12R...	面铣刀刀盘-SEKT1204	D114
KNUX..	数控刀片	A05
KSHR..	面铣刀刀盘-六角HNGX	D97
KT..	可调式强力型三爪钢壳夹头	M38
KT50	透视万能砂轮修理器	N21
KTGFR/L..	外圆切槽刀杆	B168
KTGFR/L..OH	外圆切槽刀杆-内冷型	B168
KTGFSR/L..	外圆切槽刀杆	B168
KTKB..	切断加工用刀板	B137
KTKF..JCT	TKF系列车刀杆-内冷型	AB48
KTKF..SA/SB	TKF系列车刀杆-背轴	AB48
KTKFR/L	TKF系列车刀杆	AB47,B118
KTKFSR/L	TKF系列车刀杆	AB47,B118
KTKHR/L..	切断加工用车刀杆	B135
KTTX..	TTX螺纹车刀杆	AB51,B117
KTTXSL..	TTX螺纹车刀杆	AB51,B117

L

L50	精密级侧向正弦万力	N28
L6542..	高速钢钻头-直柄	K57,K58
L6542..1/2..	高速钢钻头-1/2柄	K60
L6542..MT..	高速钢钻头-锥柄	K59,K60
LBK...-...	镗刀刀柄本体	K38
LBK..C..	LBK倒角刀组件	K55
LBMA..	LBM系列刀杆用镗孔刀片	AB16
LD..	刀柄拉钉	P07,P08
LF123..	外径切断切槽用刀柄	B157
LG..	角固式光面直角虎钳	N16
LH..	暖气片专用丝锥	L44
LLQ..	车床用拉料器	M24
LM-..	刀柄扳手	P06
LN..	直角铣刀-LN重切削型	D03
LNMU..	铣刀片	A83,D105
LOGU0303..	铣刀片	D107
LPMT..	铣刀片	A81,D71
LPS..	汽车轮毂夹头	M40
LQQ..	滤清器用挤压丝锥	L46

型号 Model	名称 Name	页码 Page
LT-M..	钨钢螺纹铣刀-公制三牙左旋钻铣	L08
LV..	角固式虎钳	N16
LV..	P型车刀配件-杠杆	P04
LWHG..	螺纹环规	L48,L49
LWSD..	圆锥管螺纹疏刀	L49,L50
LWSG..	螺纹塞规	L48,L49
LXWGD..	螺旋槽钨钢铰刀	F44,K62

M

M...-	倒拉式沉头孔铣刀	D65
M..A30	镗刀配件	P05
M..T	回转顶尖-大型重载	M42
M..x..	刀具螺丝	P03
MA..AP..	直角铣刀盘-APMT铝制可调	D21
MBAD-..	CNC数控分度盘-五轴	N09,N10
MB..	MB逗号刀杆	AB73,B57
MB..GR..	MB逗号刀具-切槽刀片	AB73,B57
MBPS..	MTPS刀杆用后车削刀片	AB07
MC..	方型超薄夹头	M34
MC..	车刀刀垫	P04
MC..C..	倒角刀	D65
MCBNR/L..	外圆车刀	B05
MCD..	圆形细目精密永磁吸盘	N26
MCFNR/L..	外圆车刀	B08
MCGNR/L..	外圆车刀	B06
MCH..	车床用中心钻刀杆	M21
MCKNR/L..	外圆车刀	B06
MCLNR/L..	外圆车刀	B03
MCMNN..100	外圆车刀	B07
MCMNN..80	外圆车刀	B07
MCR..	小孔镗刀	AB59,B53
MCSNR/L..	外圆车刀	B08
MD..	车刀刀垫	P04
MD-..	CNC数控分度盘-四轴	N03-N08
MD..FD..	四轴圆盘尾座模组	N12
MD..TD..	四轴顶针尾座模组	N12
MDFNR/L..	外圆车刀	B11
MDJNR/L..	外圆车刀	B09
MDPNN..	外圆车刀	B12
MDQNR/L..	外圆车刀	B11
MDR..	小孔镗刀	AB59,B53
MEFD..	阻尼式刀套	B214
MFH..R/L..	内孔端面切槽刀杆	B181
MFH03..C..	高进给立铣刀刀杆-LOGU	D107
MFH03R..	高进给立铣刀刀盘-LOGU	D108
MFH03R..M..	锁牙式刀头-LOGU	D108
MFH10R..	高进给立铣刀刀盘-SOMT	D90
MFH10R..C..	高进给立铣刀刀杆-SOMT	D89
MFH10R..M..	锁牙式刀头-SOMT	D90
MFH14R..	高进给立铣刀刀盘-SOMT	D90
MFH14R..C..	高进给立铣刀刀杆-SOMT	D89
MFH14R..M..	锁牙式刀头-SOMT	D90
MFL..	小孔镗刀-端面	AB60,B54
MFL..	锁牙式刀柄-直柄	D120
MFMN..	切槽/切断	A45,B189
MFPN..	面铣刀刀盘-五角PNMU	D100
MFPN..C..	面铣刀刀杆-五角PNMU	D99
MFR..	小孔镗刀-端面	AB60,B54
MFWN..	直角铣刀杆-WNNU08	D08
MFWN..	直角铣刀盘-WNNU08	D09
MG413	端铣刀研磨机	N37
MGAH..L..	端面切槽刀杆	B198
MGAH..R..	端面切槽刀杆	B197
MGEHR/L..	外径切断切槽用刀柄	B141-B142
MGEHR/L..D..	走心机外径切断切槽用刀柄	B144
MGEHR/L..OH	外径切断切槽用刀柄-内冷型	B145
MGEUR/L..	外径退刀槽车刀	B145
MGEVR/L..	外径切槽刀杆	B146
MGFHL..	端面切槽刀杆	B189
MGFHLR..	端面切槽刀杆	B190
MGFHLR..	端面切槽刀杆	B190
MGFHRR..	端面切槽刀杆	B189
MGFV..L..	端面切槽刀杆	B194
MGFV..R..	端面切槽刀杆	B193

型号 Model	名称 Name	页码 Page
MGFVR/L..	端面切槽刀杆	B190
MGGN	切槽/切断	A45-A46,B139,B192
MGHH..L..	端面切槽刀杆	B196
MGHH..R..	端面切槽刀杆	B195
MGHR/L..	外圆切槽刀杆	B166
MGIVR/L	内孔切槽刀柄	B143-B144
MGMN..	切槽/切断	A45-A46,B139
MGMR..	切槽/切断	A45,B139,B192
MGPS..	MTPS刀杆用切槽刀片	AB08
MGR..	小孔镗刀-切槽	AB60,B54
MH..123..	阻尼刀头	B207
MH..D..	阻尼防震刀杆	B212
MH..DCLNR/L..	阻尼刀头	B203
MH..DDUNR/L..	阻尼刀头	B204
MH..DDWNR/L..	阻尼刀头	B204
MH..DDZNR/L..	阻尼刀头	B204
MH..DSKNR/L..	阻尼刀头	B203
MH..DTFNR/L..	阻尼刀头	B203
MH..DVUNR/L..	阻尼刀头	B205
MH..DVZNR/L..	阻尼刀头	B205
MH..L..	MH转换接口	B211
MH..MGAR/L..	阻尼刀头	B208
MH..MGHR/L..	阻尼刀头	B209
MH..MGR/L..	阻尼刀头	B206
MH..MH..	MH转换接口	B211
MH..NG..S	MH阻尼式四方接柄	B211
MH..R/L..123..	阻尼刀头	B206
MH..R/LF..	MH阻尼式四方接柄	B211
MH..SCLCR/L..	阻尼刀头	B199
MH..SDUCR/L..	阻尼刀头	B199
MH..SDWCR/L..	阻尼刀头	B199
MH..SDZCR/L..	阻尼刀头	B200
MH..STFCR/L..	阻尼刀头	B202
MH..SVLBR/L..	阻尼刀头	B201
MH..SVPBR/L..	阻尼刀头	B201
MH..SVQCR/L..	阻尼刀头	B200
MH..SVUBR/L..	阻尼刀头	B201
MH..SVUCR/L..	阻尼刀头	B200
MH..SVZCR/L..	阻尼刀头	B202
MIFR..	小孔端面切槽刀片	B180
MIR..	小孔镗刀-螺纹	AB60,B54
MKR..	小孔镗刀-切槽-圆头	AB60,B54
MM..	皮带轮刀片	AB52,B130
MPCHR/L..	五角星外圆切槽刀杆	B170
MPHT..	铣刀片	A81,D75
MPR..	小孔镗刀	AB59,B53
MQR..	小孔镗刀	AB59,B53
MRGN	切槽刀片	A46,B139,B192
MRMN	切槽刀片	A46,B139,B192
MS..	刀具螺丝	P03,P04
MSBNR/L..	外圆车刀	B13
MSDNN..	外圆车刀	B15
MSIFHR..	小孔端面切槽刀杆	B180
MSKNR/L..	外圆车刀	B17
MSP..	一体超薄正弦磁台	N25
MSP..SA	微调式正弦磁台	N25
MSRNR/L..	外圆车刀	B14
MSSNR/L..	外圆车刀	B18
MST-M..	马氏体专用螺旋槽公制丝锥	L47
MT..	车刀刀垫	P04
MT..APU..	自紧式钻夹头	C60
MT..BST..	镗刀刀柄本体	K36
MT..ER..	ER弹性筒夹刀柄	C48
MT..JT..	钻夹头接杆	C63
MT..LBK..	镗刀刀柄本体	K38
MT..MT..	莫氏锥度刀柄	C74
MT..NBH..	镗刀刀柄本体	K36
MT..NBH..P	微调精镗刀-套装	K49
MT..NBJ..P	微调精镗刀-套装	K48
MT..OZ..	OZ重切削筒夹刀柄	C53,C54
MT..YLDB..	侧固式油路刀柄	C86
MTA..DCK..	镗刀刀柄本体	K38
MTA..G..	柔性伸缩攻牙保护刀柄	C56
MTA..GTP..	扭力伸缩攻牙保护刀柄	C55
MTA..TER..	ER刚性攻牙保护刀柄	C58

型号 Model	名称 Name	页码 Page
MTB..G..	柔性伸缩攻牙保护刀柄	C56
MTB..TER..	ER刚性攻牙保护刀柄	C58
MTBNR/L..	外圆车刀	B19
MTEHR/L	端面切槽刀杆	B183
MTEHR/L	外径切槽刀杆	B184
MTENN..	外圆车刀	B20
MTFNR/L..	外圆车刀	B22
MTGNR/L..	外圆车刀	B21
MTH..	超硬合金用永磁吸盘	N25
MTJNR/L..	外圆车刀	B24
MTPS..	走心机用刀杆	AB07
MTPS..	MTPS刀杆用切断刀片	AB08
MTQBR/L..	四角星槽刀杆-刀板型	B173
MTQHPR/L..	四角星槽刀杆-横装	B173
MTQHR/L..	四角星槽刀杆	B172
MTQHR/L..OH	四角星槽刀杆-内冷型	B172
MTQNR/L..	外圆车刀	B23
MTQS..	四角星槽刀片	B171
MTR..	小孔镗刀	AB59,B53
MTS..	超薄形永磁吸盘(不锈钢)	N26
MTPS..	MTPS刀杆用螺旋刀片	AB08
MTWNR/L..	外圆车刀	B23
MTWNR/L..B	外圆车刀	B23
MUR..	小孔镗刀	AB59,B53
MV..	车刀刀垫	P04
MVGN	切槽刀片	A46,B139,B192
MVJNR/L..	外圆车刀	B25
MVQNR/L..	外圆车刀	B26
MVR..	小孔镗刀-端面	AB60,B54
MVUNR/L..	外圆车刀	B28
MVVNN..	外圆车刀	B27
MW..	车刀刀垫	P04
MWENN..	外圆车刀	B30
MWLN/L..	外圆车刀	B29
MWR..	小孔镗刀	AB60,B54
MWS..	垂直形永磁吸盘	N25
MWWNR/L..	外圆车刀	B30
MWWNR/L..B	外圆车刀	B30
MXR..	小孔镗刀	AB59,B53
MY-V	皮带轮刀杆及刀片	AB52,B130
MZ-MK..	滚光刀具-盲孔型	AB81-AB84
MZ-NZ..	滚光刀具-内锥型	AB81-AB84
MZR..	小孔镗刀-端面圆头	AB60,B54
MZ-TK..	滚光刀具-通孔型	AB81-AB84
MZ-WZ..	滚光刀具-外锥型	AB81-AB84

N

N123..	切槽/切断	A49,B157
NBH..	镗刀专用变径套	K46
NBH..	微调精镗刀-刀杆	K49
NBJ..	微调精镗刀-镗头	K45
NBJ..	镗刀专用变径套	K46
NBJ..	微调精镗刀-刀杆	K48
NBK..	强力型超薄型夹头	M34
NBK..	自紧式钻夹头	C59
NBT..APU..	ER弹性筒夹刀柄	C41
NBT..ER..	GSK高速刀柄	C05
NBT..GSK..	气瓶圆锥管螺纹-美制	L43
NGT..	钢管专用丝锥	L45
NPS..	美制圆锥管螺纹	L42,L43
NPT..	美制干密封圆锥管螺纹	L43
NPTF..	防松螺母用丝锥	L47
NS-M..	齿式三爪钢壳夹头	M37
NT..	自紧式钻夹头	C59
NT..	镗刀刀柄本体	K36
NT..APU..	ER弹性筒夹刀柄	K36
NT..BST..	面铣刀刀柄	C47
NT..ER..	面铣刀刀柄	C69
NT..FMA..	柔性伸缩攻牙保护刀柄	C69
NT..FMB..	微调精镗刀-套装	C56
NT..G..	镗刀刀柄本体	K40,K41
NT..HBOR..P	强力型刀柄-防尘滚花型	K38
NT..LBK..	套装强力型-防尘滚花型	C38
NT..MCST..	强力型刀柄-滚花型	C40
NT..MCST..		C37
NT..MLC..		

型号 Model	名称 Name	页码 Page
NT..MTA..	莫氏锥度刀柄	C72
NT..NBH..	镗刀刀柄本体	K36
NT..NBJ..P	NBJ微调精镗刀-套装	K48
NT..OZ..	OZ重切削筒夹刀柄	C53,C54
NT..SLN..	侧固式刀柄	C79
NT..TER..	ER刚性攻牙保护刀柄	C58
NV..	车刀刀垫	P04

O

OD..	面铣刀刀盘-八角ODMT	D98
OHM..	液压刀柄夹头	P09
OSL..	侧固式油路刀柄刀套	C85
OZ..	OZ刀柄夹头	P10

P

P..	虎钳平行块	N23
P3200..	铣刀片	A80,D52
PCBNR/L..	外圆车刀	B05
PCLNR/L..	外圆车刀	B03
PDDZ..	车床用排刀机刀座	M21
PDJNR/L..	外圆车刀	B10
PDL2.34..	皮带轮刀片	B129
PDL3.56..	皮带轮刀杆	B129
PDLR/L..	皮带轮刀杆	B129
PENTA..	五角星槽刀片	A47,B170
PER..	外螺纹车刀	B126
PFA	双向冲子成型器	N21
PFB	单向冲子成型器	N21
PFC	三爪冲子成型器	N21
PFD	筒夹式ER冲子成型器	N21
PGA	冲子研磨机	N21
PGAM	电动冲子研磨机	N21
PGAS	冲子研磨机	N21
PLD..	VMD钻头-定心钻	K20
PNMU..GNEN..	铣刀片	D101
PNMU..XNER..	铣刀片	D99
PNR..	内螺纹车刀	B127
PNR..	内螺纹车刀-方柄	B128
PS..	普通四爪夹头	M35
PSBNR/L..	外圆车刀	B13
PSDNN..	外圆车刀	B15
PSK..	强力连动型四爪夹头	M36
PSKNR/L..	外圆车刀	B17
PSSNR/L..	外圆车刀	B18
PT..	英制圆锥管螺纹	L41
PTFNR/L..	外圆车刀	B22
PTGNR/L..	外圆车刀	B21
PTXN..	小零件车刀	AB31
PV100	附夹V型台	N23
PWLNLR/L..	外圆车刀	B29
PXT..	侧固式油路刀柄配件-偏心套	C86
PZ..	气瓶圆锥管螺纹-国标	L44

Q

QD..C	皇冠钻头钻尖-自定心钻	K22
QD..D-C	皇冠钻头钻杆-带内冷	K23,K24
QD..D-N	皇冠钻头钻杆-不带内冷	K25
QD..F	皇冠钻头钻尖-平底钻	K22
QD..S	皇冠钻头钻尖	K22
QE..D..	外径切断切槽用刀柄	B154
QF..D..R/L..	端面切槽刀杆	B191
QJB..	主轴清洁棒	P13
QZQ..	切断加工用车刀杆	B134

R

R200..	圆角铣刀盘-RC	D38
R200..C..	圆角铣刀杆-RC	D38
R217.96	直角铣刀杆/刀盘-WNMU04	D07
R245R..	面铣刀刀盘-SEET12T3	D113
R390..	铣刀片	D23

型号 Model	名称 Name	页码 Page
R390..	直角铣刀盘-R390	D24
R390..C..	直角铣刀杆-R390	D23
R390..M..	锁牙式刀头-R390	D24
R8..APU..	自紧式钻夹头	C60
R8..ER..	ER弹性筒夹刀柄	C48
R8..JT..	钻夹头接杆	C63
R8..MT..	莫氏锥度刀柄	C74
R8..NBH..	镗刀刀柄本体	K36
R8..NBH..P	微调精镗刀-套装	K49
R8..NBJ..P	微调精镗刀-套装	K48
R8..OZ..	OZ重切削筒夹刀柄	C53,C54
RAP..	平面铣刀盘-APMT	D22
RBH..	双刃粗镗刀-刀头	K51
Rc..	英制圆锥管螺纹	L41
RCGT..	铣刀片	A24,A78,D37
RCKT..	铣刀片	A78,D37
RCMT..	铣刀片	A79,D37
RCMX..	铣刀片	A24,A79,D37
RD..	铣刀片	D39
RD..M..	锁牙式刀头-RD	D41
RDKW..	铣刀片	A79
RDKX..	铣刀片	A79
RDMT..	铣刀片	A79
RDMW..	铣刀片	A79
RF123..	外径切断切槽用刀柄	B157
RNGJ..	铣刀片	A79,D42
RNMG..	数控刀片	A06
RNW..	汽车轮毂夹头	M40
Rp..	圆柱管螺纹	L41
Rp..	钢管专用丝锥	L45
RPA..	端面切槽刀杆	B185
RPEW..	铣刀片	A78,D33
RPGT..	铣刀片	A78,D33
RPKT..	铣刀片	A78,D33
RPMT..	铣刀片	A78,D33
RT..	铣刀片	A77
RT..C..	直角铣刀杆-APMT	D25
RT..M..	锁牙式刀头-RT	D26
RT0702..	铣刀片	D25
RT1003..	铣刀片	D25
RT-M..	钨钢螺纹铣刀-公制三牙右旋钻铣	L07

S

S..DCKNR/L..	内孔车刀	B65
S..DCLNR/L..	内孔车刀	B63
S..DCWNR/L..	内孔车刀	B66
S..DDQNR/L..	内孔车刀	B77
S..DDUNR/L..	内孔车刀	B75
S..DSKNR/L..	内孔车刀	B73
S..DTFNR/L..	内孔车刀	B67
S..DTUNR/L..	内孔车刀	B72
S..DTWNR/L..	内孔车刀	B69
S..DVQNR/L..	内孔车刀	B79
S..DVUNR/L..	内孔车刀	B80
S..DVXNR/L..	内孔车刀	B79
S..DWLNR/L..	内孔车刀	B81
S..ECKNR/L..	内孔车刀	B65
S..ECLNR/L..	内孔车刀	B63
S..EDQNR/L..	内孔车刀	B77
S..EDUNR/L..	内孔车刀	B75
S..ETLNR/L..	内孔车刀	B70
S..ETQNR/L..	内孔车刀	B71
S..ETUNR/L..	内孔车刀	B72
S..EVQNR/L..	内孔车刀	B79
S..EVUNR/L..	内孔车刀	B80
S..EVXNR/L..	内孔车刀	B79
S..EWLNR/L..	内孔车刀	B81
S..MC12..	双头内外圆共用车刀杆	B62
S..MCKNR/L..	内孔车刀	B65
S..MCLNR/L..	内孔车刀	B63
S..MCWNR/L..	内孔车刀	B66
S..MDQNR/L..	内孔车刀	B77
S..MDUNR/L..	内孔车刀	B75
S..MDWNR/L..	内孔车刀	B78

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S..MDZNR/L..	内孔车刀	B77
S..MSKNR/L..	内孔车刀	B73
S..MSSNR/L..	内孔车刀	B74
S..MTFNR/L..	内孔车刀	B67
S..MTJNR/L..	内孔车刀	B70
S..MTLNR/L..	内孔车刀	B70
S..MTQNR/L..	内孔车刀	B71
S..MTUNR/L..	内孔车刀	B72
S..MTWNR/L..	内孔车刀	B69
S..MVQNR/L..	内孔车刀	B79
S..MVUNR/L..	内孔车刀	B80
S..MVWNR/L..	内孔车刀	B80
S..MVXNR/L..	内孔车刀	B79
S..MVZNR/L..	内孔车刀	B80
S..MW08..	双头内外圆共用车刀杆	B61
S..MWLNR/L..	内孔车刀	B81
S..PCLNR/L..	内孔车刀	B64
S..PDSNR/L..	内孔车刀	B78
S..PDUNR/L..	内孔车刀	B76
S..PSKNR/L..	内孔车刀	B73
S..PTFNR/L..	内孔车刀	B68
S..PWLNR/L..	内孔车刀	B82
S..SCKCR/L..	内孔车刀	B87
S..SCKCR/L..A..	内孔车刀	B88
S..SCKNR/L..	内孔车刀	B65
S..SCLCR/L..	内孔车刀	B83
S..SCLCR/L..A..	内孔车刀	B86
S..SCLNR/L..	内孔车刀	B63
S..SCWCR/L..	内孔车刀	B88
S..SCZCR/L..	内孔车刀	B88
S..SDJCR/L..	内孔车刀	B89
S..SDQCR/L..	内孔车刀	B91
S..SDUCR/L..	内孔车刀	B92
S..SDWCR/L..	内孔车刀	B93
S..SDXCR/L..	内孔车刀	B90
S..SDZCR/L..	内孔车刀	B91
S..SGBR/L..	内孔切槽刀柄	B164
S..SR..	热缩刀柄	C25-C27
S..SSKCR/L..	内孔车刀	B94
S..SSSCR/L..	内孔车刀	B94
S..STFCR/L..	内孔车刀	B101
S..STFGR..	TFG系列端面槽刀	AB62
S..STFNR/L..	内孔车刀	B67
S..STFPR/L..	内孔车刀	B102
S..STLNR/L..	内孔车刀	B70
S..STQNR/L..	内孔车刀	B71
S..STUBR/L..	内孔车刀	B95
S..STUCR/L..	内孔车刀	B99
S..STUCR/L..A..	内孔车刀	B95
S..STUNR/L..	内孔车刀	B72
S..STUPR/L..	内孔车刀	B100
S..STWCR/L..	内孔车刀	B96
S..STWNR/L..	内孔车刀	B69
S..STWPR/L..	内孔车刀	B96
S..STWR..	TWB系列小孔镗刀	AB61
S..SVJBR/L..	内孔车刀	B103
S..SVJCR/L..	内孔车刀	B103
S..SVJCR/L..A	内孔车刀	B105
S..SVJPR/L..A	内孔车刀	B105
S..SVN..XN	VN系列小孔镗刀	AB70
S..SVQBR/L..	内孔车刀	B109
S..SVQCR/L..	内孔车刀	B109
S..SVUBR/L..	内孔车刀	B107
S..SVUCR/L..	内孔车刀	B107
S..SVWBR/L..	内孔车刀	B110
S..SVWCR/L..	内孔车刀	B110
S..SVXBR/L..	内孔车刀	B104
S..SVXCR/L..	内孔车刀	B104
S..SVZBR/L..	内孔车刀	B108
S..SVZCR/L..	内孔车刀	B108
S..SWLCR/L..	内孔车刀	B112
S..SWLNR/L..	内孔车刀	B81
S..SWUBR/L..	内孔车刀	B111
S..WTUNR/L..	内孔车刀	B72
S..WWLNR/L..	内孔车刀	B81

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S.KTGFR/L..	内孔切槽刀柄	B168
S100	正弦规	N22
SAB..	后车削用刀杆	AB34
SB..	三爪中空液压卡盘	M06
SB..C..	倒角刀-45°	D59
SB..KQ..	气动卡盘-半通孔	M15
SB..KQL..	立式中空气动卡盘	M13
SB50	磁性正弦规	N22
SBCR..	小孔镗刀	AB57,B51,B179
SBDL..	小孔镗刀	AB57,B51,B179
SBFB..	小孔镗刀-双头	AB58,B52
SBFR..	小孔镗刀	AB56,B50
SBFS..	小孔镗刀-双头	AB58,B52
SBG..	小孔镗刀-双头切槽	AB58,B52
SBHA..	车床用方柄转圆柄刀座	M20
SBKR..	小孔镗刀-切槽-圆头	AB57,B51,B179
SBL..	二爪中空液压卡盘	M05
SBPR..	小孔镗刀	AB56,B50
SBQR..	小孔镗刀	AB56,B50
SBS..	可调式镗刀-刀杆	K54
SBS..	四爪中空液压卡盘	M07
SBT..	小孔镗刀-双头螺纹	AB58,B52
SBT..	液压卡盘用T型块	M17
SBTR..	小孔镗刀	AB56,B50
SBUR..	小孔镗刀	AB58,B50
SBWR..	小孔镗刀-切槽	AB57,B51,B179
SBXR..	小孔镗刀	AB57,B51,B179
SC..	普通三爪夹头	M35
SC..	铣刀压板	P05
SCAC..N	小零件车刀	AB21
SCAC..N-TH	小零件车刀-带喷嘴内冷型	AB21
SCACR/L..	外圆车刀	B33
SCBCR/L..	外圆车刀	B35
SCFC..CA..	组合式卡式刀夹	K55
SCFCR/L..	外圆车刀	B33
SCFP..CA..	组合式卡式刀夹	K55
SCGCR/L..	外圆车刀	B33
SCGT..	数控刀片	A25
SCGW..	数控刀片	A25
SCK..	模块化镗孔刀具	B59-B60
SCKCR/L..	外圆车刀	B35
SCLC..F..	小零件车刀-空间刀杆	AB22
SCLC..N	小零件车刀	AB21
SCLC..N-OH	小零件车刀-内冷型	AB22
SCLC..N-TH	小零件车刀-带喷嘴内冷型	AB21
SCLCR/L..	外圆车刀	B34
SCMCN..100	外圆车刀	B34
SCMCN..80	外圆车刀	B34
SCMT..	数控刀片	A25
SCT-..	可调式镗刀刀杆	K51
SCTH..	切断加工用刀板	B137
SD..45..	面铣刀刀盘-SD	D116
SD..C..	倒角刀-45°	D59
SDACR/L..	外圆车刀	B36
SDFCR/L..	外圆车刀	B36
SDJ..	车床用双刀架	M22
SDJC..F..	小零件车刀-空间刀杆	AB23,AB24
SDJC..N	小零件车刀	AB23
SDJC..N-OH	小零件车刀-内冷型	AB23
SDJCR/L..	外圆车刀	B36
SDKN..	铣刀片	A84,D117
SDMB..	铣刀片	A81,D59
SDMT..	铣刀片	A82,D86
SDNCN..	小零件车刀	AB24
SDNCN..	外圆车刀	B37
SDNCN..N-TH	小零件车刀-带喷嘴内冷型	AB24
SDNW..	铣刀片	A82,D86
SDQCR/L..	外圆车刀	B37
SDS..	铲钻头刀杆-高速钢	K17,K18
SDT..	铲钻头刀杆-合金	K17
SDZ..	锁刀座	P13
SE..	超薄夹头	M34
SE..45..	面铣刀刀盘-SE	D116
SECA..	铣刀片	A83,D115
SECA..	铣刀片	

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SEEN..	铣刀片	A84
SEET..	铣刀片	A77,A83
SEET09T3..	铣刀片	D28
SEET1203..	铣刀片	D28
SEET12T3..	铣刀片	D113
SEET13T3..	铣刀片	D111
SEHT..	铣刀片	A84,D115
SEKN..	铣刀片	A84,D117
SEKR..	铣刀片	A84,D117
SEKT..	铣刀片	A83,D115
SEMT..	铣刀片	A83
SEMT13T3..	铣刀片	D111
SER/L..	外螺纹车刀	B115
SFVCR/L..	外圆/端面切槽刀杆	B170
SG2F..	钨钢平底铣刀-2刃深沟	F11
SG2F.R..	钨钢球头立铣刀-2刃深沟	F12
SGBR/L..	外圆切槽刀杆	B162
SGBSR/L..	外圆切槽刀杆	B164
SGEL..	小径端面切槽刀柄	B182
SGIEFR..	小径端面切槽刀柄	B182
SGIVFR..	小孔端面切槽刀杆	B181
SH..	中空高速油压回转缸	M08
SHB..	车床刀套	M20
SHB-A..	高精度刀套	B213
SHS..	中空高速油压回转缸(短寸型)	M08
SHTM..D..	螺纹铣刀盘	L22
SIGER/L..	内孔切槽刀柄	B175
SIR..P	内螺纹车刀	B122
SIR..S..	内螺纹车刀	B125
SIR/L..A..	内螺纹车刀	B122
SIR/L..C..	内螺纹车刀	B121
SK..	强力型三爪夹头	M36
SK..	SK刀柄夹头	P10
SK..ADS..	后拉式刀柄	C32
SK..APU..	自紧式钻夹头	C59
SK..BST..	镗刀刀柄本体	K36
SK..HBOR..P	微调精镗刀-套装	K40,K41
SK..LBK..	镗刀刀柄本体	K37
SK..NBH..	镗刀刀柄本体	K36
SK..NBH..P	微调精镗刀-套装	K49
SK..NB..P	微调精镗刀-套装	K48
SK..OZ..	OZ重切削筒夹刀柄	C53,C54
SKS..	高进给立铣刀刀盘-WDMW	D93
SKS..C..	高进给立铣刀刀杆-WDMW	D94
SL..ER..DM	车床用ER刀柄-单面平面	M23
SL..ER..SM	车床用ER刀柄-双面平面	M23
SLTBN..	切断刀板用刀座	B138
SMFL..	小孔镗刀-端面	AB57,B51,B179
SMFR..	小孔镗刀-端面	AB57,B51,B179
SMP..	T型槽铣刀刀盘-卡口型	D77
SMP..	T型槽铣刀刀盘-刀盘型	D78
SMP01..A..	T型槽铣刀刀盘-刀盘型	D80
SMP01..B..	T型槽铣刀刀盘-刀盘型	D80
SMP01..K..	T型槽铣刀刀盘-卡口型	D79
SMT..	T型槽铣刀	D84
SMT..	螺纹铣刀杆	L23,L24
SMVR..	小孔镗刀-端面	AB57,B51,B179
SNGA..	数控刀片	A07
SNGR/L..	内孔切槽刀柄	B176
SNMA..	数控刀片	A08
SNMF1204..	圆弧倒角刀片	B32
SNMG..	数控刀片	A07-A08
SNMM..	数控刀片	A08
SNR/L..	内螺纹车刀	B121
SO..Jaw	强力生爪	M36
SOMT..	快速钻头刀片	A85
SOMT..	快速钻头	K09,K10
SOMT1004..	铣刀片	D89
SOMT1405..	铣刀片	D89
SP..	切断刀片	A46,B133
SP..	P型车刀配件-弹簧片	P04
SP..35..	面铣刀刀盘-SP	D116
SPB..	切断加工用刀板	B137
SPC..	玉米型粗铣刀刀盘-SP	D71
SPGA..	铣刀片	A80,D44

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SPGT..	铣刀片	A83
SPGX..	铣刀片	D57
SPH..	内六角/梅花孔车削刀具	AB75-AB78
SPKN..	铣刀片	A84,D117
SPM..C..	玉米型粗铣刀刀杆-SP	D71
SPMA..	铣刀片	A80,D44
SPMA..	铣刀片	
SPMG..	铣刀片	A82,A85,D77
SPMG..	快速钻头刀片	K07,K08
SPMT..	铣刀片	A81
SPMT..	快速钻头刀片	A85
SPMT..	铣刀片	D71
SPMT..	快速钻头刀片	K11
SPMW..	铣刀片	A81,D59
SPS..	筒式细目正弦磁	N25
SR..	螺纹铣刀杆刀盘	L18
SRACR/L..	外圆车刀	B39
SRAPR/L..	外圆车刀	B39
SRCPR/L..B..	外圆车刀	B32
SRCS..CA..	组合式卡式刀夹	K55
SRDCN..	外圆车刀	B39
SRDPN..	外圆车刀	B39
SRGCR/L..	外圆车刀	B40
SRGPR/L..	外圆车刀	B40
SRTP..	微调精镗刀配件-HBOR	K41
SSACN..	端面切槽刀杆	B186
SSBCR/L..	外圆车刀	B38
SSD90..	直角铣刀盘-SD	D32
SSDCN..	外圆车刀	B38
SSH..	倒角刀-60°	D62
SSH..ECH..	车床用ER刀柄-高精度	M23
SSH..ECH..OH..	车床用ER刀柄-端面+侧面内冷型	M23
SSH..ECH..SOH..	车床用ER刀柄-端面内冷型	M23
SSH..ECH..WS..	车床用ER刀柄-双头	M23
SSK..C..	倒角刀-45°-ADNT	D63
SSK..C..	倒角刀-45°-AP	D64
SSKCR/L..	外圆车刀	B38
SSO..	倒角刀-15°	D61
SSP..C..	倒角刀-45°/60°/71°	D56,D58
SSPC..	定位倒角刀-45°	D55
SSSCR/L..	外圆车刀	B38
SSSP..CA..	组合式卡式刀夹	K55
SSY..	倒角刀-30°	D61
ST..W..	BE组合式钨钢刀杆	K46
STB..ER..	直柄攻牙保护刀杆-车床	M30
STC..ER..	直柄攻牙保护刀杆-铣床	M30
STECR/L..	外圆车刀	B41
STFCR/L..	外圆车刀	B42
STGC..CA..	组合式卡式刀夹	K55
STGCR/L..	外圆车刀	B41
STIR..	小孔镗刀-螺纹	AB56,B50
STM..	车刀刀垫	P04
STM..C..	螺纹铣刀杆	L21,L22
STSC..CA..	组合式卡式刀夹	K55
STSP..CA..	组合式卡式刀夹	K55
STWBR..	TWB系列小孔镗刀	AB61
STWCR/L..	外圆车刀	B42
STWSR..	TFG系列端面槽刀	AB62
STXN..	小零件车刀	AB31
SUER/L..	外螺纹车刀	B116
SUNR/L..	内螺纹车刀	B116
SV..	螺纹铣刀片	L25
SV..	高级万力	N27
SV..	手转正弦万力	N28
SVAB..N	小零件车刀	AB27-AB28
SVAC..N	小零件车刀	AB25-AB26
SVER/L..	外螺纹车刀	B119
SVJB..F..OH	小零件车刀-内冷型	AB27-AB28
SVJB..N	小零件车刀	AB27-AB28
SVJB..N-TH	小零件车刀-带喷嘴内冷型	AB29
SVJBR/L..	外圆车刀	B43
SVJC..F..OH	小零件车刀-内冷型	AB25-AB26
SVJC..N	小零件车刀	AB25-AB26
SVJCR/L..	外圆车刀	B45
SVLB..F..	小零件车刀-空间刀杆	AB30

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SVNR..	CH正面排刀	Ab16
SVNR..	VN系列小孔镗刀	AB63
SVNR/L..	内螺纹车刀	B120
SVNS..XN	VN系列小孔镗刀	AB70
SVNSR..N	VN系列小孔镗刀	AB63
SVPC..F..	小零件车刀-空间刀杆	AB30
SVQBR/L..	外圆车刀	B43
SVQC..N	小零件车刀	AB25-AB26
SVQCR/L..	外圆车刀	B45
SVQP..N	小零件车刀	AB29
SVUBR/L..	外圆车刀	B44
SVUCR/L..	外圆车刀	B46
SVVBN..	小零件车刀	AB30
SVVBN..	外圆车刀	B44
SVVBN..N-TH	小零件车刀-带喷嘴内冷型	AB30
SVVCN..	小零件车刀	AB30
SVVCN..	外圆车刀	B46
SVVCN..N-TH	小零件车刀-带喷嘴内冷型	AB30
SVXB..N	小零件车刀	AB27-AB28
SVXC..N	小零件车刀	AB25-AB26
SVXP..N	小零件车刀	AB29
SWA..	焊刃式钨钢斜度铣刀	F33
SWA45..	焊刃式钨钢倒角刀	F33
SWB..	铣刀片	A80,D44
SWB..	焊刃式钨钢插铣刀-扩孔修正	F45
SWB..C..	球头立铣刀杆-SWB	D44
SWC..	焊刃式钨钢沉头孔铣刀	F45
SWCR..	焊刃式钨钢内R铣刀	F34
SWCS45..	焊刃式钨钢倒角刀	F33
SWD45..	焊刃式钨钢燕尾槽铣刀-45°	F37
SWD60..	焊刃式钨钢燕尾槽铣刀-60°	F37
SWDT60..	焊刃式钨钢燕尾槽铣刀-60°刀盘型	F37
SWE2..	焊刃式钨钢铣刀-2刃	F29
SWE4..	焊刃式钨钢铣刀-4刃	F29
SWEL2..	焊刃式钨钢铣刀-2刃加长	F29
SWEL4..	焊刃式钨钢铣刀-4刃加长	F29
SWELL4..	焊刃式钨钢铣刀-4刃特长	F29
SWER4	焊刃式钨钢粗皮铣刀	F30
SWFT..H	焊刃式钨钢铣刀-面铣刀盘型	F30
SWM..	焊刃式钨钢铰刀-左旋直柄不等分	K72
SWMT..	焊刃式钨钢铰刀-左旋锥柄不等分	K72
SWRI..	焊刃式钨钢铰刀-英制左旋直柄	K72
SWRIMT..	焊刃式钨钢铰刀-英制锥柄	K71
SWRM..	焊刃式钨钢铰刀-左旋直柄	K71
SWRMT..	焊刃式钨钢铰刀-锥柄	K71
SWRT..	焊刃式钨钢粗皮铣刀-刀盘型	F30
SWS..	焊刃式钨钢三面刃铣刀-平齿	F39
SWSS..	焊刃式钨钢三面刃铣刀-千岛刃	F40
SWST..H	焊刃式钨钢T型槽铣刀-刀盘	F35
SWT..H	焊刃式钨钢铣刀-刀盘型	F30
SWT..H	焊刃式钨钢T型槽铣刀-平齿	F35
SWTI..H	焊刃式钨钢T型槽铣刀-平齿英制	F35
SWTS..H	焊刃式钨钢T型槽铣刀-千岛刃	F35
SX..MT..	固定式顶尖-伞形	M43
SZ..C..	液压卡盘用软爪	M18
SZSX..	液压卡盘用扇形软爪	M17

T

T11N..	切槽刀片	A37
T16..	切槽刀片	A37
T2139..M..	锁牙式刀头-P3200	D51
T2139C..	球头立铣刀杆-P3200	D51
T217.69..C..	直角铣刀杆-XOMX	D26
T22..	切槽刀片	A37
TAF..	快速钻头-GCMT/GPMT	K16
TB32..	后车削刀片	A55,AB37
TBC..	固定式双刃粗镗刀盘	K56
TBGT..	数控刀片	A27-A28
TBGW..	数控刀片	A27
TBL..C..	固定式双刃粗镗刀杆	K56
TBMT..	数控刀片	A28
TBP..	后车削刀片	A53,AB35,AB36
TBPSL..	后车削用刀杆	AB36

型号 Model	名称 Name	页码 Page
TBS..	可调式镗刀-刀杆	K54
TBTR..	后车削用刀杆	AB37
TBVC..	后车削用刀杆	AB38
TC..	桶盖挤压丝锥	L46
TC-..	数控刀柄用刀具整理柜	F16
TC..XP..	剑齿钻头杆	K26
TCA..	端面切槽刀杆	B185
TCAP..	多功能钻杆	K30
TCEA..	剑齿钻头片	K27
TCFA..	剑齿钻头片	K27
TCGT..	数控刀片	A27-A28
TCGW..	数控刀片	A27
TCLNR/L..	外圆车刀	B04
TCM..C..	倒角刀-45°	D62
TCMT..	数控刀片	A28
TCMX..	铣刀片	A81, D55
TCPA..	剑齿钻头片	K27
TD..S	手动尾座	N11
TDC..	切槽/切断	A50,B147
TDJ..	切槽/切断	A50,B147
TDJNR/L..	外圆车刀	B09
TDT..	切槽/切断	A50,B147
TE90..C..	直角铣刀杆-AXMT	D30
TE90..M..	锁牙式刀头-AXMT	D30
TEBL..C..	高进给立铣刀杆-BLMP	D103
TEBL..M..	锁牙式刀头-BLMP	D104
TEN..	面铣刀刀盘-五角PNMU	D102
TEN..C..	面铣刀刀杆-五角PNMU	D101
TER..	外螺纹车刀	B126
TF33..	前车削刀片	AB32
TFBL..	高进给立铣刀刀盘-BLMP	D104
TFG..	TFG系列端面槽刀片	AB62
TFGVT..	TFG系列端面槽刀片	AB62
TFTR..	小零件车刀	AB32
TFTR..OH..	小零件车刀	AB32
TGF..	切槽刀片	A35,B167
TGF32..	槽刀片	D83
TGIUR/L..	汽车轮毂车刀	B149
TJU..	钻铣刀杆-CPMT	D53
TJUM..	锁牙式刀头-CPMT	D53
TKF..	切槽/切断	A43
TKF..	TKF切槽切断刀片	AB45
TKFB..	后车削刀片	A54
TKFB..	TKF后车削刀片	AB46
TKFT..	TKF螺纹车削刀片	AB46
TKFT..55..	W英制螺纹刀片	A64,B118
TKFT..60..	ISO公制螺纹刀片	A62,B118
TKT..	可调式强力型二爪钢壳夹头	M38
TL..	L型扳手-T型	P05
TLD..	双向向量式虎钳	N17
TM..E..	螺纹铣刀片	L19,L20
TM..N..	螺纹铣刀片	L19,L20
TMR..	T型槽铣刀刀杆	D74
TNGA..	数控刀片	A09
TNGG..	数控刀片	A09
TNMA..	数控刀片	A10
TNMG..	数控刀片	A09-A11
TNMM..	数控刀片	A10
TNR..	内螺纹车刀	B127
TNR..	内螺纹车刀-方柄	B128
TNT..	齿式二爪钢壳夹头	M37
TP..	直角铣刀盘-TP	D31
TP..C..	直角铣刀杆-TP	D31
TP..C..	倒角刀-30°/45°/60°	D60
TPGH..	数控刀片	A27-A28
TPGT..	数控刀片	A27-A28
TPGW..	数控刀片	A27
TPKN..	铣刀片	A77,D31
TPMR..	铣刀片	A77,D31
TPMT..	数控刀片	A28
TPV..	MC增压器型超高压快速虎钳	N17
TRS..	圆角铣刀盘-RD	D41
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TT..	梅花扳手-T型	P05
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TTER/L..	外径切断切槽用刀柄	B147
TTIR/L..	内孔切槽刀柄	B150
TTIR/L..OH	内孔切槽刀柄-内冷型	B149
TTP..	TTP系列螺纹车刀杆刀片	AB49
TTP..55..	W英制螺纹刀片	A64
TTP..60..	ISO公制螺纹刀片	A62
TTP..OH	TTP系列螺纹车刀-内冷型	AB50
TTX..	TTX螺纹车刀片	AB51
TTX32..55..	W英制螺纹刀片	A64,B117
TTX32..60..	ISO公制螺纹刀片	A62,B117
TVJNR/L..	外圆车刀	B25
TWBR..	TWB系列小孔镗刀刀片	AB61
TWE..	双刃粗镗刀-刀头	K50
TWLN/L..	外圆车刀	B30
TXD..	钨钢T型槽铣刀	F36
TXP..	高进给立铣刀刀盘-WPGT	D96
TXP..C..	高进给立铣刀杆-WPGT	D96
TY..	高速切断机	N37

U

U2	万能磨刀机	N37
UEX..	直角铣刀杆-APET/ADNT	D29
UGHN..	切断加工用刀板	B137
UGHR/L..	切断加工用车刀杆	B135

V

VB..	工具万力	N28
VBGT..	数控刀片	A29-A30
VBGW..	数控刀片	A29
VBMT..	数控刀片	A31
VC1604..	端面切槽刀片	B181
VCGT..	数控刀片	A29-A30
VCGW..	数控刀片	A29
VCM..	倒角机	N37
VCMT..	数控刀片	A31
VH..	电极万力	N31
VHCT	直角式手提倒角机	N38
VHX..	P型车刀配件-杠杆螺丝	P04
VL..	不锈钢工具万力	N27
VMC..	VMD钻头-刀夹	K20
VMD..	VMD钻头-本体	K20
VNBR..	VN系列小孔镗刀刀片	AB65
VNBTR..	VN系列小孔镗刀-倒拉	AB65
VNBX..S	VN系列小孔镗刀刀片	AB69
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VNFR..	VN系列小孔镗刀-端面切槽	AB68
VNGA..	数控刀片	A13
VNGG..	数控刀片	A13
VNGR..	VN系列小孔镗刀-切槽	AB67
VNMA..	数控刀片	A14
VNMG..	数控刀片	A13-A14
VNTR..	VN系列小孔镗刀-螺纹	AB66
VPGT..	数控刀片	A29-A30
VPGW..	数控刀片	A29
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VS..	工具万力	N27
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VSU..	不锈钢手转工具万力	N27
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W

WBGT..	数控刀片	A23
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WCMX..	快速钻头刀片	A85
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WDXT..	快速钻头刀片	A85,K13
WEX17..	直角铣刀盘-AXMT17	D32
WFX12..	直角铣刀盘-SO	D32
WGDDZ2F..	钨钢定点钻/倒角刀-2刃	F31,F32,K61,K62
WGDDZ3F..	钨钢定点钻/倒角刀-3刃	F31,F32,K61,K62
WGE..	切槽/切断	A50,B156
WGJP..	钨钢锯片	F41
WGR..	切槽/切断	A50,B156
WGYB..	钨钢圆棒	F46
WGTZ..	钨钢钻头-通柄	K69
WGZXZ..	钨钢中心钻	F34,K62
WNGA..	数控刀片	A15
WNMA..	数控刀片	A16
WNMG..	数控刀片	A15-A17
WNMU..	铣刀片	A75
WNMU04..	铣刀片	D07
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WOMW..	铣刀片	A83,D93
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WTD..	车床用方柄转圆柄刀套	M21
WTENN..	外圆车刀	B20
WTi	汽车轮毂夹头	M39
WTJNR/L..	外圆车刀	B24
WTQNR/L..	外圆车刀	B23
WW..	车刀刀垫	P04
WWLN/L..	外圆车刀	B29
WXCXZ	万向磁性座	N39
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X

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XCET..R..	倒角刀-45°	D67
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XOMX..	铣刀片	A77,D26
XSBFR..	小孔镗刀-斜插式	AB58,B52
XSBH..	斜插式定位刀套	AB58,B52
XSBWR..	小孔镗刀-斜插式-切槽	AB58,B52
XSEQ..	铣刀片	A82,D79
XSTIR..	小孔镗刀-斜插式-螺纹	AB58,B52
XZQ..	修爪器	M16

Y

YB..	铣刀压板	P05
YG..	抽油杆接箍挤压丝锥	L45
Y-GTPA..	Y轴车刀杆	AB19
Y-GTTR..	Y轴车刀杆	AB18
YJK..	车床用车刀压紧块	M21
YKL..	亚克力用钨钢单刃铣刀	F43
Y-KTGFR..	Y轴车刀杆	AB18
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YWD..	燕尾槽铣刀刀杆	D82
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Z

Z-..	Z轴设定器	P13
ZC..-..	LBK倒角刀组件	K55
ZCET..	铣刀片	A79,D43

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ZCWGJD..	直槽钨钢铰刀	F44,K62
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ZD..XP..SP..H..	自定心快速钻头-SP	K19
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ZDXD2F..R..	钨钢锥度球头铣刀-2刃	F28
ZDXD4F..	钨钢锥度平底铣刀-4刃	F27
ZDXD4F..R..	钨钢锥度球头铣刀-4刃	F28
ZFDJ..	车床用正反刀架	M22
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ZPMT..	铣刀片	A80,D44
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ZQMX..	切槽/切断	A51,B134
ZRED..	切槽/切断	A51,B153,B191
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ZXB-MT..	回转顶尖-重型	M41
ZXZ..	高速钢中心钻	F34,K62

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