

HANVI METAL CARBIDE TOOLS CO.,LTD
Skype : hwei1988280 Mobile:+8618974971540
www.hanvitools.com www.cutoutil.com



2017
Product Contents

Company Profile



Hanvi Metal Carbide Tools Co., Ltd is a professional company specialized in cutting tools (turning, milling & drilling tools), Machine Accessories(toolholder &collets)and measuring tools (digital calipers). We export various cutting tools to Europe, South/North America, MID-East and Asia and established long-term and stable businessrelationship with each other since 2009.

The scope of main products included metal carbide tools, carbide end mill, carbide drill, CNC tool holder, carbide burrs, carbide ball nose end mills, cutting tools, indexable turning tools, milling tools, carbide insert, HSS drill, taps, die & tap wrenches, measuring tools, height gage, calipers, protractors, micrometer, magnetic base, diamond tools, machine accessories, ER collet & set, 5C collet, ER collet chucks, nut and spanner, end mill holders and arbors. Besides, we also supply OEM service. Cheap offer for **ZCC , Korloy , Kyocera , Sumitomo , Mitsubishi , Sandvik , Lamina etc** . Welcome to send enquiry to cutoutil@hanvitoools.com !

Our principle is always "high quality, mutual benefits, fast delivery". It is saying highest quality tools at the most competitive price with the shortest delivery time. Quality control is the most important. Any comments on quality will be taken seriously.

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刀片材质及涂层编号规则
Insert grade and coating code system

涂层刀片编号规则 Coating insert number rules

C C 1 1 2 5

本公司注册品牌 (Manufactory brand)
刀片材料 (Cutting material)
W:超细颗粒硬质合金 (Carbide uncoated) C:硬质合金CVD涂层 (Carbide coated CVD) P:硬质合金PVD涂层 (Carbide coated PVD) T:金属陶瓷 (Cremet uncoated) E:金属陶瓷PVD涂层 (Cement coated PVD) D:聚晶金刚石 (PCD) B:立方碳化硼 (CBN)
被加工材料 (Main application material)
1:钢 (Steels) 2:不锈钢 (Stainless steel) 3:铸铁 (Cast iron) 4:有色金属 (non-ferrous metal) 5:铝合金 (Aluminium) 6:钛合金及高温合金 (Hard materials)
涂层代码 (Coating code)
根据产品的功能及涂层的升级而改变。 Change according to products function and upgrade of coating
ISO材质标准 (ISO 513 application range)
05: ISO K05/P05 10: ISO K10/P10 15: ISO K15/P15 20: ISO K20/P20 25: ISO K25/P25 30: ISO K30/P30 35: ISO K35/P35 40: ISO K40/P40

f<0.15mm/rev Ap=0.1-1.2mm	精加工 F Finishing	半精加工 M Semi-Finishing	f=0.08-0.35mm/rev Ap=0.6-4.0mm	粗加工 R Rough Machining	f>0.3mm/rev Ap=3.0-7.0mm
钢件 (ISO P) Steel					
不锈钢 (ISO M) Stainless steel					
铸铁 (ISO K) Cast iron					
有色金属 (ISO N) Non-ferrous metal					
高温合金和钛合金 (ISO N) High temp alloy & Ti alloy					
高硬钢 (ISO H) high hard steel					

- 连续加工
Continuous machining
- 不规则形状加工
Irregular machining
- 断续加工
Intermittent machining



车削刀片槽型编号法则
Turning insert code system

车削刀片规格标准
Turning insert specifications

2 刀片后角 Insert empress cape	4 槽型及夹紧方式 Chip breaker & clamp	6 刀片厚度 Thickness
		00: 0.79 T0: 0.99; 01: 1.58; T1: 1.98; 02: 2.38; T2: 2.58; 03: 3.18; T3: 3.97; 04: 4.76; T4: 4.96; 05: 5.96; 06: 6.35; 07: 7.94; 09: 9.53;

2 4 6 8
C N M G 1 2 0 4 0 8 - C M
1 3 5 7

1 刀片形状 Insert shape	3 刀片精度 Accuracy	5 切削刃长度 Cutting edge length

7 刀尖圆角 Nose R	8 槽型代码 Chip breaker
00: ≤0.005mm 01: 0.10mm 02: 0.20mm 04: 0.40mm 08: 0.80mm 12: 1.20mm 16: 1.60mm 20: 2.00mm 24: 2.40mm 32: 3.2mm	详见9-16页介绍 As shown in the 9-16 pages

刀片选择基本法则:
根据被加工材料, 加工条件, 顺序选择:

槽型 → 材质 → 加工参数

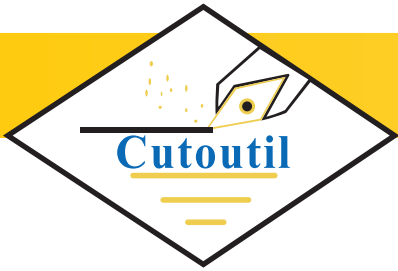


负角车削刀片槽型速选规则
Negative turning insert chip-breaker introduction

加工对象 Material	锋利 ← Strong				
	超精加工 Ultra Finishing	精加工 Finishing	半精加工 Semi-Finishing	粗加工 Rough Machining	重粗加工 Heavy rough machining
不锈钢 Stainless steel	FR Ap(切深) 0.1 0.2 1.2 2.5 f(每齿进给) 0.04 0.05 0.15 0.25	CF Ap(切深) 0.4 0.8 1.5 3.0 f(每齿进给) 0.06 0.08 0.25 0.3	CM Ap(切深) 0.4 0.8 1.2 2.5 f(每齿进给) 0.06 0.08 0.20 0.3	TM Ap(切深) 0.4 0.8 2.5 3.0 f(每齿进给) 0.06 0.08 0.25 0.3	
钢件 Steel	FR, CF Ap(切深) 0.1 0.2 1.2 2.5 f(每齿进给) 0.04 0.05 0.15 0.25	CM 软钢 Ap(切深) 0.4 0.8 1.2 2.5 f(每齿进给) 0.06 0.08 0.20 0.3	TM Ap(切深) 0.4 0.8 3.0 3.8 f(每齿进给) 0.06 0.08 0.3 0.35	MR Ap(切深) 0.4 0.8 3.0 4.0 f(每齿进给) 0.1 0.15 0.3 0.4	RR Ap(切深) 0.8 1.2 5.0 7.5 f(每齿进给) 0.1 0.15 0.4 0.45
铸铁 Cast iron		TM Ap(切深) 0.4 0.8 3.0 3.8 f(每齿进给) 0.06 0.08 0.3 0.35	TM Ap(切深) 0.4 0.8 3.0 3.8 f(每齿进给) 0.06 0.08 0.3 0.35	MR Ap(切深) 0.4 0.8 3.0 4.0 f(每齿进给) 0.1 0.15 0.3 0.4	RR Ap(切深) 0.8 1.2 5.0 7.5 f(每齿进给) 0.1 0.15 0.4 0.45
钛合金·高温合金 Titanium alloy High temperature alloy	FR Ap(切深) 0.1 0.2 1.2 2.5 f(每齿进给) 0.04 0.05 0.15 0.25	CF Ap(切深) 0.4 0.8 1.5 2.0 f(每齿进给) 0.06 0.08 0.2 0.25	CF (钛合金) CM (高温合金) Ap(切深) 0.4 0.8 1.5 2.0 f(每齿进给) 0.06 0.08 0.2 0.25		
铝合金 Aluminium alloy	CF Ap(切深) 0.2 0.4 3.0 4.0 f(每齿进给) 0.06 0.08 0.3 0.4	AL Ap(切深) 0.2 0.4 3.0 4.0 f(每齿进给) 0.06 0.08 0.3 0.4			

工匠精神
CRaftsMan





负角车削刀片材质速选
Negative turning insert grade selection

常用被加工材料负角刀片材质速选及线速度推荐

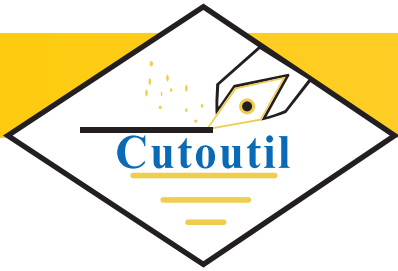
加工对象		耐磨性 ← wear resistance				→ 抗冲击性 toughness	
		连续加工 Continuous machining ●		不规则加工 Irregular machining ●		断续加工 Intermittent machining ⚙	
不锈钢 Stainless steel	不锈钢类别	低速加工Vc= 50-170m/min	高速加工Vc= 100-250m/min	低速加工Vc= 50-150m/min	高速加工Vc= 90-220m/min	低速加工Vc= 50-70m/min	高速加工Vc= 70-100m/min
	3xx不锈钢铸件	CP2130 ★	CP2430F ●	CP2130 ★		CP2130 ★	
	3xx不锈钢锻件	CP2430 ★				CP2430 ★	CP2430R ★
	3xx不锈钢管件						
	201 605 不锈钢铸锻件						
	4xx不锈钢铸锻件	CP2430R ,CP2630 ★				CP2430R ,CP2630 ★	
	双相不锈钢铸锻件						
钢件 Steels	钢件类别	低速加工Vc= 80-220m/min	高速加工Vc= 180-350m/min	低速加工Vc= 80-200m/min	高速加工Vc= 180-320m/min	低速加工Vc= 80-180m/min	高速加工Vc= 180-280m/min
	低碳钢(超软)	CT20 ●	CT20 ●	CP2430R ★	CC730 ★	CP2430R ★	CC730 ★
	中高碳(合金)钢		CC1125 ●		CC1135 ★		
	轴承钢及模具钢		CC1135 ★		CC730 ★		
	锻造及铸造合金钢	CP2430R ★	CC730 ★				
	高硬淬火钢HRC45-58	CP2430F , CP2430 , CP2430R , CP2630 ★					
钛合金 Titanium alloy	钛合金类别	纯钛加工Vc= 80-120m/min	钛合金加工Vc= 20-60m/min	纯钛加工Vc= 80-120m/min	钛合金加工Vc= 20-50m/min	纯钛加工Vc= 80-120m/min	钛合金加工Vc= 20-40m/min
	纯钛	CP6125 ★					
	钛合金(Ti6Al4V)						
高温合金 Hi temp alloy	高温合金类别	镍基合金Vc= 20-60m/min	钴基合金Vc= 20-40m/min	镍基合金Vc= 20-60m/min	钴基合金Vc= 20-35m/min	镍基合金Vc= 20-60m/min	钴基合金Vc= 20-30m/min
	镍基高温合金	CP2430R , CP2630 ★					
	钴基高温合金						
铸铁 Cast iron	铸铁类别	灰□铸铁Vc= 200-380m/min	球墨铸铁Vc= 180-280m/min	灰□铸铁Vc= 180-360m/min	球墨铸铁Vc= 160-260m/min	灰□铸铁Vc= 160-340m/min	球墨铸铁Vc= 150-220m/min
	灰□铸铁	CC730 ★				CC731 ★	
	球墨铸铁						
铝合金 Aluminium	铝合金类别	低硅铝合金Vc= 400-800m/min	高硅铝合金Vc= 350-700m/min	低硅铝合金Vc= 350-700m/min	高硅铝合金Vc= 300-600m/min	低硅铝合金Vc= 300-600m/min	高硅铝合金Vc= 250-450m/min
	Si<10%铝合金	CW20,CP5120 ★				CW20 ★	
	Si≥10%铝合金						
铜合金 Copper	铜合金类别	红铜Vc= 250-400m/min	黄铜, 青铜Vc= 180-320m/min	红铜Vc= 220-360m/min	黄铜, 青铜Vc= 160-300m/min	红铜Vc= 200-320m/min	黄铜, 青铜Vc= 150-280m/min
	红铜	CW20,CP5120 ★				CW20 ★	
	黄铜,青铜						

● 连续加工; ★: 不规则加工; ☆: 断续加工。 图案颜色为刀片表面颜色。

车削-负角刀片卷屑槽
Negative turning insert chip-breaker

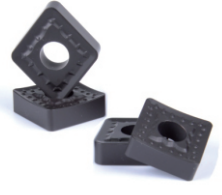
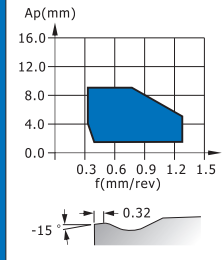
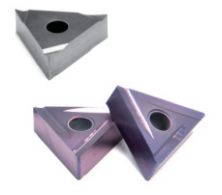
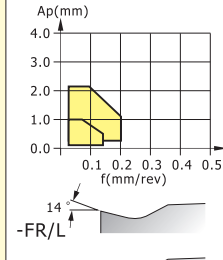
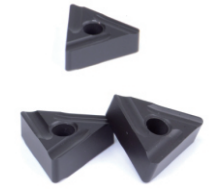
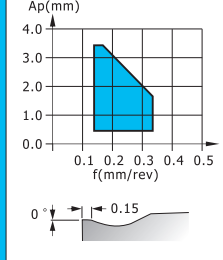
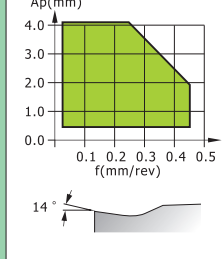
卷屑槽清单-负角刀片

 全周型M级及磨制(G级) 超锋利刃口	-CF <i>New</i> 自主研发 专利产品	 14°	1.被加工材料: 钛合金, 高温合金加工首选, 兼容不锈钢, 超软合金钢加工。 2.加工范围: 精加工及半精加工; 1.Processed materials: Titanium alloy, high temperature alloy processing preferred, Compatible with stainless steel, ultra soft alloy steel processing. 2.Processing range: finishing and semi finishing; f(进给)mm/rev 0.06 0.08 0.15 0.20 Ap(切深)mm 0.3 0.4 1.5 3.0	材质: CT20 CTP20 CP2130 CP2430 CP2630 CP6125 CP5120 CW20
 全周型压制(M级) 锋利刃口	-CM <i>New</i> 自主研发 专利产品	 8°	1.被加工材料: 不锈钢的首选, 高温合金, 低碳合金钢加工性能俱佳, 钢件精加工。 2.加工范围: 精加工及半精加工; 1.Processed materials: Stainless steel, low carbon alloy steelGood machinability, steels finishing. 2.Processing range: finishing and semi finishing; f(进给)mm/rev 0.06 0.08 0.2 0.30 Ap(切深)mm 0.3 0.4 1.5 2.5	材质: CP2130 CP2430 CP2630 CC1125 CC730 CC731
 全周型压制(M级) 较强壮刃口	-TM	 6°	1.被加工材料: 钢件半精加工首选, 兼容铸铁的精加工和不锈钢的粗加工。 2.加工范围: 半精加工; 1.Processed materials: Semi finishing of steels, compatible with cast iron.rough machining of stainless steel. 2.Processing range: semi finishing; f(进给)mm/rev 0.08 0.10 0.30 0.35 Ap(切深)mm 0.5 0.8 2.5 4.0	材质: CP2430 CP2630 CC1125 CC730 CC731
 全周型压制(M级) 强壮刃口	-MR <i>New</i> 自主研发 专利产品	 0°	1.被加工材料: 铸铁加工首选, 钢件的粗加工。 2.加工范围: 铸铁全系列加工, 钢件粗加工; 1.Processed materials: The first choice of cast iron, the rough machining of steels. 2.Processing range: cast iron processing, Rough machining of steels; f(进给)mm/rev 0.10 0.12 0.30 0.40 Ap(切深)mm 0.5 0.8 3.0 5.0	材质: CP2630 CC730 CC731

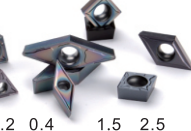
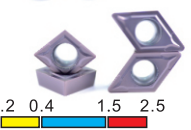
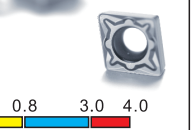
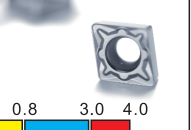
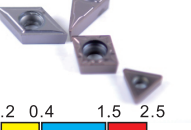


车削-负角刀片卷屑槽
Negative turning insert chip-breaker

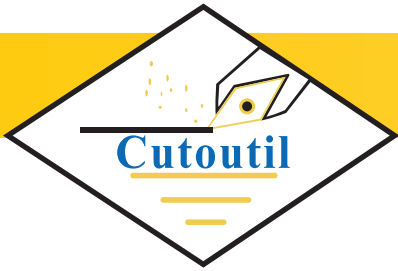
卷屑槽清单-负角刀片

 全周型压制(M级) 超强壮刃口 单面使用	-RR		1.被加工材料: 铸铁及钢件强力切削。 2.加工范围: 重粗加工及强断续加工; 1.Processed materials: Strong cutting of cast iron and steels. 2.Processing range: Heavy rough machining and Strong discontinuous processing f(进给)mm/rev 0.35 0.50 0.9 1.3 Ap(切深)mm 4.0 4.5 8.0 13	材质: CC730 CC731
 开槽磨制(G级) 超锋利刃口	-FR/L -UR/L		1.被加工材料: 钛合金, 高温合金, 不锈钢, 钢。 2.加工范围: 超精加工及精加工, 细长轴及薄壁件加工; 1.Processed materials: Titanium alloy, high temp alloy, stainless steel, steel. 2.Processing range: ultra precision machining and finishing, Slender shaft processing; f(进给)mm/rev 0.03 0.06 0.1 0.15 Ap(切深)mm 0.03 0.10 0.8 1.5	材质: CT20 CP2130 CP2430 CP6125
 开槽压制(M级) 极强壮刃口	R/L		1.被加工材料: 钢件加工, 卷屑好。 2.加工范围: 半精加工; 1.Processed materials: Steels processing. 2.Processing range: semi finishing; f(进给)mm/rev 0.15 0.20 0.3 0.35 Ap(切深)mm 0.5 0.8 3.0 3.5	材质: CT20 CTP20 CC730 CC731
 全周型压制(G级) 锋利刃口	-AL		1.被加工材料: 铝合金加工首选。 2.加工范围: 全系列铝合金加工; 1.Processed materials: Aluminum alloy processing preferred. 2.Processing range: full range of aluminum alloy processing; f(进给)mm/rev 0.03 0.08 0.3 0.45 Ap(切深)mm 0.2 0.4 3.5 5.0	材质: CK20 CP5120

正角车削刀片槽型速选规则
Positive turning insert chip-breaker introduction

加工对象	锋利 ← Strong			
	超精加工 Ultra Finishing	精加工 Finishing	半精加工 Semi-Finishing	粗加工 Rough Machining
不锈钢 Stainless steel	R/L-Y,J  Ap(切深) 0.1 0.2 1.2 2.0 f(每齿进给) 0.04 0.05 0.15 0.20	CF  Ap(切深) 0.2 0.4 1.5 2.5 f(每齿进给) 0.06 0.08 0.15 0.25	CM  Ap(切深) 0.2 0.4 1.5 2.5 f(每齿进给) 0.06 0.08 0.20 0.25	XM1  Ap(切深) 0.4 0.8 2.0 2.5 f(每齿进给) 0.04 0.05 0.20 0.25
钢件 Steel	R/L-Y,J  Ap(切深) 0.1 0.2 1.2 2.0 f(每齿进给) 0.04 0.05 0.15 0.20	CF, CM  Ap(切深) 0.2 0.4 1.5 2.5 f(每齿进给) 0.06 0.08 0.15 0.25	CM, XM1  Ap(切深) 0.2 0.4 1.5 2.5 f(每齿进给) 0.06 0.08 0.20 0.25	MR  Ap(切深) 0.4 0.8 3.0 4.0 f(每齿进给) 0.08 0.1 0.25 0.35
铸铁 Cast iron		MR  Ap(切深) 0.4 0.8 3.0 4.0 f(每齿进给) 0.08 0.1 0.25 0.35	MR  Ap(切深) 0.4 0.8 3.0 4.0 f(每齿进给) 0.08 0.1 0.25 0.35	MR  Ap(切深) 0.4 0.8 3.0 4.0 f(每齿进给) 0.08 0.1 0.25 0.35
钛合金、高温合金 Titanium alloy High temperature alloy	R/L-Y,J  Ap(切深) 0.1 0.2 1.2 2.0 f(每齿进给) 0.04 0.05 0.15 0.20	CF  Ap(切深) 0.2 0.4 1.5 2.5 f(每齿进给) 0.06 0.08 0.15 0.25	CM (高温合金)  Ap(切深) 0.2 0.4 1.5 2.5 f(每齿进给) 0.06 0.08 0.20 0.25	
铝合金 Aluminium alloy	CF  Ap(切深) 0.4 0.8 2.5 3.5 f(每齿进给) 0.08 0.1 0.25 0.35	AL  Ap(切深) 0.4 0.8 3.0 4.0 f(每齿进给) 0.08 0.1 0.25 0.35		
小零件加工 Small parts processing	R/L-U  Ap(切深) 0.1 0.2 1.2 1.5 f(每齿进给) 0.04 0.05 0.12 0.15	R/L-Y,J  Ap(切深) 0.1 0.2 1.2 2.5 f(每齿进给) 0.04 0.05 0.15 0.20		

大至至简
Greatness in Simplicity



各公司材质对照表
Insert grade comparison table

▶▶ PVD涂层 PVD Coating

本公司 ZHONJI NC	三菱 MITSUBISHI	京瓷 KYOCERA	住友 UMITOMO	泰珂洛 TUNGALOY	克洛伊 KORLOY	特固克 TAEGTEC	山特维克 SANDVIK	肯纳 KENNAMETAL	山高 SECO	伊斯卡 ISCAR
CP2130	VP15TF	PR1125 PR1135	AC630	GH330 GH730	PC9030	TT9080	GC2025 GC1525	KCM25 KC5525	CP500	IC9300
CP2430	VP20RT		AC510U AC520U	AH330 AH905		TT8020			CP2500	IC908
CP2630	VP20RT		AC510U AC520U	AH330 AH905		TT8020			CP2500	IC908
CP5125										
CP6125	VP20RT	PR930	DL1000	DS1100 DS1200						

▶▶ CVD涂层 CVD Coating

本公司 ZHONJI NC	三菱 MITSUBISHI	京瓷 KYOCERA	住友 UMITOMO	泰珂洛 TUNGALOY	克洛伊 KORLOY	特固克 TAEGTEC	山特维克 SANDVIK	肯纳 KENNAMETAL	山高 SECO	伊斯卡 ISCAR
CC1125	UE6010	CA6515	AC810P	T9005 T9015	NC3015	TT8115	GC4005 GC4205	KCP05 KCP15	TP1000 TP1500	IC8150
CC730	UE6020 UE6035	CA6515 CA6525	AC820P AC830P	T9025 T9125	NC3020	TT8125 TT8135	GC4325 GC4225	KCP30 KC9125	TP2000 TP2500	IC8250 IC9250
CC731	UC5115 UE6135	CA4120 CR9025	AC420K AC3000	T5125 T9135	NC315K NC3030	TT7015 TT8135	GC3215 GC4235	KCK15 KCK20	TK2000 TP3500	IC5010 IC9350

▶▶ 金属陶瓷及细颗粒硬质合金 Cermet&carbide

本公司 ZHONJI NC	三菱 MITSUBISHI	京瓷 KYOCERA	住友 UMITOMO	泰珂洛 TUNGALOY	克洛伊 KORLOY	特固克 TAEGTEC	山特维克 SANDVIK	肯纳 KENNAMETAL	山高 SECO	伊斯卡 ISCAR
CT20	NX2525	TN60 TN6010	T1500A	NS530 NS730	CN20 CN30	CT3000	CT5015 GT1525	KT5020 KT150	TP1030 TP1020	
CTP20	VP25N	PV90 PV7020	T2000Z T3000Z	GT720 GT730		PV3010		KT315		
CW20	UT120T HTi10	KW10	G10E H1	TH10	H01	K10				

▶▶ 立方碳化硼CBN和聚晶金刚石PCD

本公司 ZHONJI NC	三菱 MITSUBISHI	京瓷 KYOCERA	住友 UMITOMO	泰珂洛 TUNGALOY	克洛伊 KORLOY	特固克 TAEGTEC	山特维克 SANDVIK	肯纳 KENNAMETAL	山高 SECO	伊斯卡 ISCAR
CN1000	MBC010	KBN900	T1500A	NS530 NS730	CN20 CN30	CT3000	CT5015 GT1525	KT5020 KT150	TP1030 TP1020	
CN7000	MB730	PV90 PV7020	T2000Z T3000Z	GT720 GT730	KB320	PV3010		KT315		
DA1000	MD230	KPD01 KPD10	DA1000	DX110	DP150	KP100				

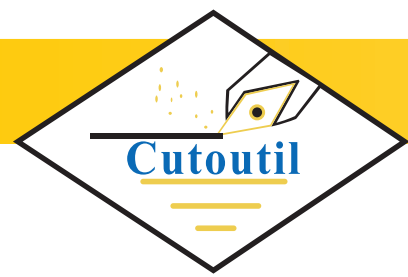
各公司槽型对照表
Chip-breaker comparison table

▶▶ 负角刀片 Negative turning insert chip-breaker

本公司 ZHONJI NC	三菱 MITSUBISHI	京瓷 KYOCERA	住友 UMITOMO	泰珂洛 TUNGALOY	克洛伊 KORLOY	特固克 TAEGTEC	山特维克 SANDVIK	肯纳 KENNAMETAL	山高 SECO	伊斯卡 ISCAR
R/L-SF	R/L-FS R/L-F	S	FY	R/L-W						
CF	SH,FJ,C MJ,SH	TK,HQ PP	SU	ZF,TSF TS,NS HMM	HA	SF,ML	MF	LF	FF1	NF
CM	MS,MA SA,SW	MS,MQ HQ	EX,GU	TS,NS	HS,GS	EM, EA MP	QM,PM SM	FP,K	MF1 MF2	GN,TF
TM	MH,MV MA	CS,GS PT,HU	GE,UX	TM,37	HM	MT,PC	PM,MG XMR	P,MP RP	M3	NR
MR	MP,GJ GH,全周	PT,HT PH,全周	MU, HG	DM,SM	HR,GH HMP	MC,MG WT	HR	RN,UN MG	M5	NM,HR
RR	HX,HXD HH,HV		HU	57	HH,HW	HT,HD	MR	RH	R5,RR9	TNM
R/L	1M,1G	B,C D,ST	SD	R/L-C						
AL	AZ	AH	AG	AL	AK	FL	FL	HP		HP

▶▶ 正角刀片 Positive turning insert chip-breaker

本公司 ZHONJI NC	三菱 MITSUBISHI	京瓷 KYOCERA	住友 UMITOMO	泰珂洛 TUNGALOY	克洛伊 KORLOY	特固克 TAEGTEC	山特维克 SANDVIK	肯纳 KENNAMETAL	山高 SECO	伊斯卡 ISCAR
R/L-F	R/L-SR	R/L-F	R/L-FY	R/L-F		R/L-FF				
R/L-U	R/L-SN	R/L-U R/L-Y	R/L-SD	R/L-U R/L-Y		R/L-GW				
CF	FJ AM	CF GK	FC	PF PSF	HFP	FG	UM	FP LF	FF1	38 PF
CM	无代码 MV,MQ	XQ HQ	SU SC	PS	HMP VF	FX,PC	SU	MP	F1	SM
XM1	无代码									
MR	MW			PM	C25	WT	WM	MW	WF2	WG
AL	AZ	AH	AG	AL	AR	FL	AH	HP	AL	AF AS



Stainless Steel Characteristics & Machining Caution

Stainless Steel Characteristics & Machining Caution

Introduction of Stainless Steel

Stainless steel divide into three kinds, Austenite,Martensite, Ferrite+Austenite (Duplex).

General Stainless Steel Grade

- 1.Austenite series(3XX,2XX,6XX), major application is anti-corrosion component, it is difficult to cut, easily be work-hardening while cutting.
304(0Cr18Ni9), 316(0Cr17Ni14Mo2), 321 easy cutting stainless steel(1Cr18Ni9), 201(1Cr17Mn6Ni5), 605(0Cr10Mn13Ni).,etc.
- 2.Martensite series(X44), major application is anti-corrosion cutting tools which with certain hardness lead to carbide insert wearing quickly.
403(1Cr12), 410(1Cr13), 410S(0Cr13), 420(2Cr13), 420J2(3Cr13), 1Cr17Ni2(431), 7Cr17(440A), 8Cr17(440B).,etc.
- 3.Duplex series(50% Ferrite+50% Austenite) with best anti-corrosion, high strength, Absolutely hard working condition.
S315003RE60(00Cr18Ni5Mo3Si2), SAF2205(00Cr22Ni5Mo3N), 329J1L1R-4(00Cr25Ni6Mo2N), SAF2507(00Cr25Ni7Mo3N), S32550(00CrNi6Mo3CuN).

Characteristics of Stainless Steel

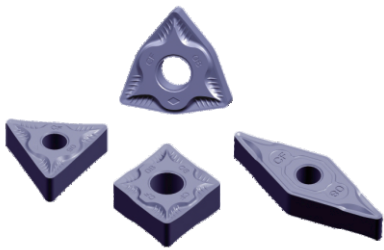
- 1.Work-hardening cause premature wear and breakage of tool.
- 2.Scrap iron stick to the edge cause built-up edge and lead to chipping of tool.
- 3.Good toughness cause heavy cutting resistance force and heavy load of machine.

Stainless Steel Machining Caution

- 1.Cause stainless steel work-hardening in high temp condition, to avoid high temp while processing, control cutting speed, Vc<150m/min for semi-finishing, Vc<200m/min for finishing, Vc<120m/min for threading and grooving processing, cooling should be enough, adopt cooling device if necessary, select sharp chip breaker, to minimize cutting resistance force and friction force.
- 2.Maximize feeds in the case of meet surface finishes requirement (suggest $0.08 \leq f \leq 0.3$ mm/rev), adopt small cutting depth & high feeds to roughing and semi-finishing processing.
- 3.Request good quality toolholder and assisted collet,relatively speaking, stainless steel processing insert is sharp, so request high rigidity of tool holder and collet, to avoid vibration during processing, have enough strength and rigidity to guarantee insert won't chipping.

-CF 负角槽型

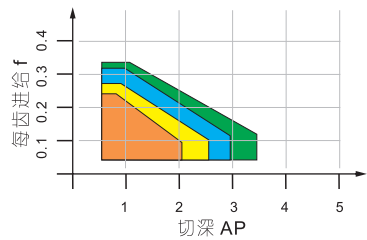
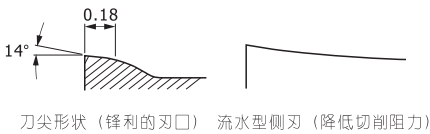
钛合金,高温合金,不锈钢,软钢及铝合金
精加工及半精加工



中国人独创具有自主
知识产权的槽型设计

同类槽型:

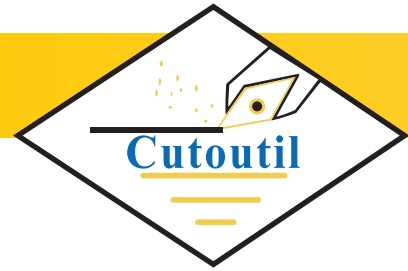
三菱Mitsubishi: FJ,MJ
东芝Tungaloy: SS,HMM
特固克Taegutec: ML,FA,EA,SF
京瓷Kyocera: TK
住友Sumitomo: SU



被加工材料	加工参数	加工参数	
		线速度 Vc	每齿进给 f
3xx铸造不锈钢 CP2130		60-120-140	0.06-0.25
3xx锻造及管材不锈钢 CP2430		100-150-170	0.06-0.25
25XX双相不锈钢,淬火钢 CP2630,CP2430		40-70-100	0.06-0.15
4XX不锈钢 CP2630,CP2430		100-150-170	0.06-0.25
钛合金 CP6125		40-50-60	0.06-0.15
钢件 CT20&CTP20		150-220-260	0.06-0.20
铝合金 CW20&CP5120		250-450-600	0.06-0.30
推荐切削深度: Ap=0.4-3.0(3.5)mm			

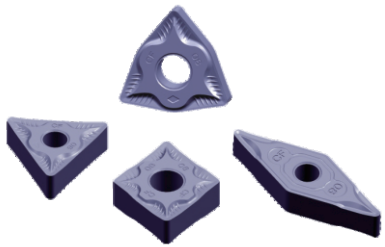
- 1.特点: 刃口非常锋利, 加工轻快, 排屑顺畅, 抗冲击力较强, 精加工及半精加工一气呵成, 表面光洁度高, 可转位性好, 特别适合自动化无人化操作管理。
- 2.加工对象及范围:
CP 2130: 难加工不锈钢的半精加工和精加工, Vc=50~130/min;
CP 2430: 不锈钢的高速半精加工和精加工,
 不锈钢Vc=150~250m/min;特别是锻造不锈钢和淬火钢;
CP 2430F:不锈钢的高光精加工, 兼容淬火钢加工;
CP 3430R:高温合金及不锈钢的强断续粗加工, 兼容淬火钢加工;
 高温合金Vc=40~80m/min;
CP 2630: 高温合金, 4XX系列不锈钢, 双相不锈钢克星;
 HRC45-58淬火钢及用于钢薄壁件低速加工;
CP 6125: 钛合金加工专用;

工件材质	PVD涂层								合金 金属陶瓷	
	CP2130	CP2430	CP2630	CP6125	CP5120	CW20	CT20	CTP20		
	型号规格									
●: 连续加工 ●: 不规则形状加工 ⚙: 断续加工 ●: 首选: ○ 可选	P 软钢及钢件精加工 Steel	●	●	●					●	●
	P 软钢半精加工 Steel	●	●	●						
	M 不锈钢 Stainless steel	●	●	●	●					
	S 钛合金 Titanium alloy		●	●	●					
	N 有色金属 Nonferrous metal					●	●			
	S 耐热合金 Heat-resisting steel		●	●	●					



-CF 负角槽型

钛合金,高温合金,不锈钢,软钢及铝合金
精加工及半精加工



中国人独创具有自主
知识产权的槽型设计

同类槽型:

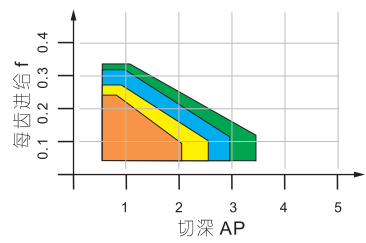
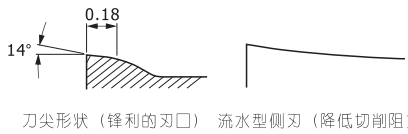
三菱Mitsubishi: FJ,MJ

东芝Tungaloy: SS,HMM

特固克Taegutec: ML,FA,EA,SF

京瓷Kyocera: TK

住友Sumitomo: SU



被加工材料	加工参数	加工参数	
		线速度 Vc	每齿进给 f
3xx铸造不锈钢 CP2130		60-120-140	0.06-0.25
3xx锻造及管材不锈钢 CP2430		100-150-170	0.06-0.25
25XX双相不锈钢,淬火锅 CP2630,CP2430		40-70-100	0.06-0.15
4XX不锈钢 CP2630,CP2430		100-150-170	0.06-0.25
钛合金 CP6125		40-50-60	0.06-0.15
钢件 CT20&CTP20		150-220-260	0.06-0.20
铝合金 CW20&CP5120		250-450-600	0.06-0.30
推荐切削深度: Ap=0.4-3.0(3.5)mm			

- 特点: 全磨制周边 **G** 级精度刀片, 刃口非常锋利, 加工轻快, 排屑顺畅, 抗冲击力较强, 精加工及半精加工一气呵成, 表面光洁度高, 可转位性好, 特别适合自动化无人化操作管理。
- 加工对象及范围:
CP 2130: 难加工不锈钢的半精加工和精加工, Vc=50~130/min;
CP 2430: 不锈钢的高速半精加工和精加工,
不锈钢Vc=150~250m/min;特别是锻造不锈钢和淬火锅;
CP 2430F:不锈钢的高光精加工, 兼容淬火锅加工;
CP 3430R:高温合金及不锈钢的强断续粗加工, 兼容淬火锅加工;
高温合金Vc=40~80m/min;
CP 2630: 高温合金, 4XX系列不锈钢, 双相不锈钢克星;
HRC45-58淬火锅及用于钢薄壁件低速加工;
CP 6125: 钛合金加工专用;

工件材质	●: 连续加工 ●: 不规则形状加工 ✱: 断续加工 ●: 首选: ○ 可选									
	P 软钢及钢件精加工 Steel	✱	✱	✱					●	●
P 软钢半精加工 Steel			G	✱						
M 不锈钢 Stainless steel	✱	✱	✱	✱						
S 钛合金 Titanium alloy		G	✱	✱						
N 有色金属 Nonferrous metal						●	✱			
S 耐热合金 Heat-resisting steel		●	✱	✱						
型号规格	PVD涂层					合金		金属陶瓷		
	CP2130	CP2430	CP2630	CP6125	CP5120	CW20	CT20	CTP20		
CNMG120404-CF	○	●	●	●	●	●	●	●		
CNMG120408-CF	○	●	●	●	●	●	●	●		
CNMG120412-CF	○	●	●	●	●	●	●	●		
DNMG150404-CF	○	●	●	●	●	●	●	●		
DNMG150408-CF	○	●	●	●	●	●	●	●		
DNMG150604-CF	○	●	●	●	●	●	●	●		
DNMG150608-CF	○	●	●	●	●	●	●	●		
SNMG120404-CF	○	●	●	●	●	●	●	●		
SNMG120408-CF	○	●	●	●	●	●	●	●		
SNMG120412-CF	○	●	●	●	●	●	●	●		
TNMG160402-CF	○	●	●	●	●	●	●	●		
TNMG160404-CF	○	●	●	●	●	●	●	●		
TNMG160408-CF	○	●	●	●	●	●	●	●		
TNMG160412-CF	○	●	●	●	●	●	●	●		
VNMG160404-CF	○	●	●	●	●	●	●	●		
VNMG160408-CF	○	●	●	●	●	●	●	●		
WNMG080404-CF	○	●	●	●	●	●	●	●		
WNMG080408-CF	○	●	●	●	●	●	●	●		
WNMG080412-CF	○	●	●	●	●	●	●	●		

-CM 负角槽型

不锈钢及钢
半精加工及精加工



中国人独创具有自主
知识产权的槽型设计
本槽型设计已经申请国家专利
专利号: ZL 2016 2 0141003.1



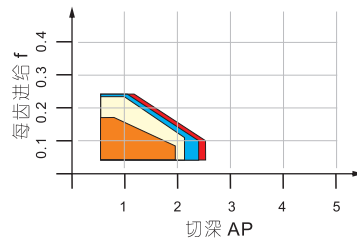
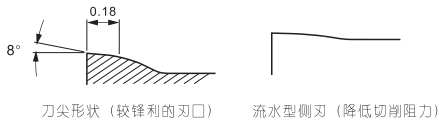
同类槽型:

三菱Mitsubishi: MA,MS

东芝Tungaloy: TM,TS

特固克Taegutec: PC,EA,EM

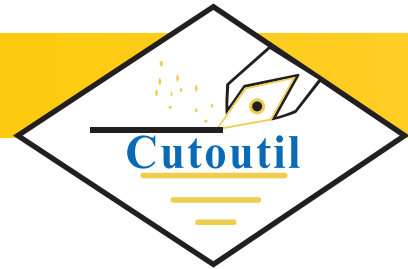
京瓷Kyocera: PS,MS



被加工材料	加工参数	加工参数	
		线速度 Vc	每齿进给 f
3xx铸造不锈钢 CP2130		60-120-140	0.06-0.25
3xx锻造及管材不锈钢 CP2430		100-150-170	0.06-0.25
25XX双相不锈钢,淬火锅 CP2630,CP2430		40-70-100	0.06-0.15
4XX不锈钢 CP2630,CP2430		100-150-170	0.06-0.25
钢件连续精加工 CC1125		220-300-350	0.06-0.25
锻钢及铸铁精加工 CC730,CC731		220-300-400	0.06-0.25
推荐切削深度: Ap=0.4-2.0mm			

- 特点: 刃口锋利, 排屑顺畅, 抗冲击力强, 应用范围广, 颠覆传统设计理念, 精加工及半精加工一气呵成, 加工表面光洁度高, 断屑效果好, 特别适合自动化无人化操作管理。
- 加工对象及范围:
CP 2130: 通用不锈钢的半精加工和精加工, Vc=50~150m/min;
CP 2430: 不锈钢的高速半精加工和精加工,
高温合金Vc=50~100m/min; 不锈钢Vc=150~250m/min;
特别是锻造不锈钢加工和淬火锅;
CP 2430F: 不锈钢的高光精加工, 兼容淬火锅加工;
CP 3430R: 高温合金和不锈钢的强断续粗加工, 兼容淬火锅加工;
CP 2630: 高温合金, 4XX系列不锈钢, 双相不锈钢克星;
HRC45-58淬火锅及用于钢薄壁件低速加工;
CC 1125: 钢件的精加工, 特别是钢薄壁件高速加工;
CC 730,731: 低碳钢 (软钢) 的半精加工及精加工, 钢及球墨铸铁的精加工, 特别是锻造及铸造钢加工抗冲击力强, 适合强断续加工。

工件材质	●: 连续加工 ●: 不规则形状加工 ✱: 断续加工 ●: 首选: ○ 可选									
	P 钢 Steel	✱	✱	✱				●	✱	✱
P 高硬度钢 HRC45-58 Steel		●	✱	✱						
M 不锈钢 Stainless steel	✱	✱	✱	✱						
S 钛合金 Titanium alloy	✱	G	G							
S 耐热合金 Heat-resisting steel		●	●							
K 铸铁 Cast iron								✱	✱	
型号规格	PVD 涂层					CVD 涂层				
	CP2130	CP2430	CP2630	CP6125	CP5120	CC1125	CC730	CC731		
CNMG09T304-CM		●	●							
CNMG09T308-CM		●	●							
CNMG120404-CM	○	●	●	●	●	●	●	●		
CNMG120408-CM	○	●	●	●	●	●	●	●		
CNMG120412-CM	○	●	●	●	●	●	●	●		
DNMG110404-CM		●	●							
DNMG110408-CM		●	●							
DNMG150404-CM	○	●	●	●	●	●	●	●		
DNMG150408-CM	○	●	●	●	●	●	●	●		
DNMG150604-CM	○	●	●	●	●	●	●	●		
DNMG150608-CM	○	●	●	●	●	●	●	●		
SNMG120404-CM	○	●	●	●	●	●	●	●		
SNMG120408-CM	○	●	●	●	●	●	●	●		
TNMG120304-CM		●	●							
TNMG120308-CM		●	●							
TNMG160404-CM	○	●	●	●	●	●	●	●		
TNMG160408-CM	○	●	●	●	●	●	●	●		
VNMG160404-CM	○	●	●	●	●	●	●	●		
VNMG160408-CM	○	●	●	●	●	●	●	●		
WNMG060404-CM	○	●	●	●	●	●	●	●		
WNMG060408-CM	○	●	●	●	●	●	●	●		
WNMG080404-CM	○	●	●	●	●	●	●	●		
WNMG080408-CM	○	●	●	●	●	●	●	●		
WNMG080412-CM	○	●	●	●	●	●	●	●		



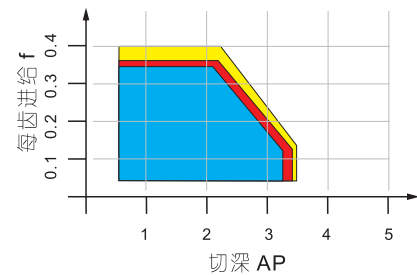
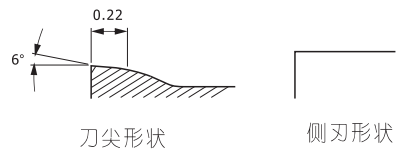
-TM 负角槽型

钢件
半精加工



同类槽型:

三菱Mitsubishi: MA
东芝Tungaloy: TM
特固克Taegutec: PC
京瓷Kyocera: PS
住友Sumitomo: GU



被加工材料	加工参数	加工参数	
		线速度 Vc	每齿进给 f
不锈钢及淬火钢 CP2430R		40-60-80	0.06-0.12
淬火钢 CP2630,CP2430R		40-70-100	0.06-0.15
钢件连续半精加工 CC1125		220-300-350	0.08-0.35
锻钢半精加工(断续加工) CC730,CC731		180-220-280	0.08-0.35
铸铁精加工 CC730,CC731		250-300-400	0.08-0.35
推荐切削深度: Ap=0.8-3.8mm			

- 特点: 刃口较锋利, 排屑顺畅, 抗冲击力强, 应用范围广, 钢件半精加工不二选择。
- 加工对象及范围:
CP2430R: 不锈钢的强断续加工, HRC48-58淬火钢;
CP2630: HRC48-58淬火钢, 可用于低速加工钢件、蠕墨铸铁、镍基铸铁Vc<180m/min;
CC1125: 钢件的半精加工首选, 适合于连续加工;
CC730,731: 钢件的半精加工及粗加工, 铸铁的精加工, HRC45以下钢件加工, 特别是锻造及铸钢加工抗冲击力强, 适合强断续加工。

工件材质	●: 连续加工 ●: 不规则形状加工 ✱: 断续加工 ●: 首选; ○ 可选					
	P 钢 Steel	P 高硬度钢 HRC45-58 Steel	M 不锈钢 Stainless steel	K 铸铁 Cast iron	N 有色金属 Nonferrous metal	S 耐热合金 Heat-resisting steel
型号规格	PVD涂层			CVD涂层		
	CP2130	CP2430R	CP2630	CC1125	CC730	CC731
CNMG120404-TM	●	●	●	●	●	●
CNMG120408-TM	●	●	●	●	●	●
CNMG120412-TM	●	●	●	●	●	●
CNMG160616-TM	●	●	●	●	●	●
CNMG190616-TM	●	●	●	●	●	●
DNMG150404-TM	●	●	●	●	●	●
DNMG150408-TM	●	●	●	●	●	●
DNMG150604-TM	●	●	●	●	●	●
DNMG150608-TM	●	●	●	●	●	●
SNMG120404-TM	●	●	●	●	●	●
SNMG120408-TM	●	●	●	●	●	●
TNMG160404-TM	●	●	●	●	●	●
TNMG160408-TM	●	●	●	●	●	●
VNMG160404-TM	●	●	●	●	●	●
VNMG160408-TM	●	●	●	●	●	●
WNMG080404-TM	●	●	●	●	●	●
WNMG080408-TM	●	●	●	●	●	●
WNMG080412-TM	●	●	●	●	●	●

-MR 负角槽型

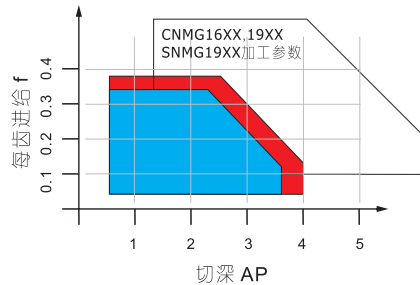
铸铁及钢件
粗加工



中国人独创具有自主知识产权的槽型设计

同类槽型:

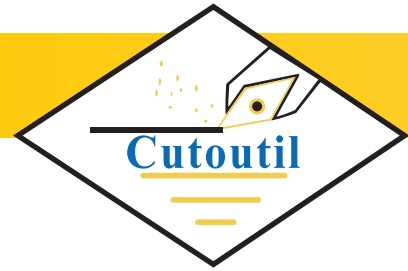
三菱Mitsubishi: GH,MG
东芝Tungaloy: DM,MG,CH
特固克TAEGUTEC: MT,MG
京瓷Kyocera: MG
住友Sumitomo: UZ



被加工材料	加工参数	加工参数	
		线速度 Vc	每齿进给 f
钢件连续半精加工 CC1125		220-300-380	0.10-0.35
锻钢半精加工(断续加工) CC730,CC731		180-200-250	0.12-0.30
铸铁加工 CC730,CC731		250-300-400	0.12-0.40
推荐切削深度: Ap=1.2-4.0 (6.0) mm			

- 特点: 切削相对锋利, 排屑顺畅, 抗冲击力强, 应用范围广, 全方位铸铁通用槽型, 钢件的粗加工首选。
- 加工对象及范围:
CP2630: 可用于低速加工钢件、蠕墨铸铁、镍基铸铁Vc<150m/min;
CC1125: 钢件的粗加工首选, 适合于连续加工;
CC730,731: 钢件的粗加工, 铸铁的全系列加工, HRC45以下钢件及锻造&铸钢加工, 抗冲击力强, 特别推荐加工球墨铸铁加工和镍基铸铁及灰口铸铁的强断续加工。

工件材质	●: 连续加工 ●: 不规则形状加工 ✱: 断续加工 ●: 首选; ○ 可选					
	P 中低硬度钢, 合金钢 Steel	P 高硬度钢 HRC45-58 Steel	M 不锈钢 Stainless steel	K 铸铁 Cast iron	N 有色金属 Nonferrous metal	S 耐热合金 Heat-resisting steel
型号规格	PVD涂层			CVD涂层		
	CP2130	CP2430	CP2630	CC1125	CC730	CC731
CNMG120408-MR				●	●	●
CNMG120412-MR				●	●	●
CNMG120416-MR				●	●	●
CNMG160612-MR				●	●	●
CNMG160616-MR				●	●	●
CNMG190616-MR				●	●	●
CNMG190624-MR				●	●	●
DNMG150408-MR				●	●	●
DNMG150608-MR				●	●	●
SNMG120408-MR				●	●	●
SNMG120412-MR				●	●	●
SNMG150612-MR				●	●	●
SNMG150616-MR				●	●	●
SNMG150624-MR				●	●	●
SNMG190612-MR				●	●	●
SNMG190616-MR				●	●	●
TNMG160408-MR				●	●	●
TNMG220408-MR				●	●	●
VNMG160408-MR				●	●	●
WNMG080408-MR				●	●	●
WNMG080412-MR				●	●	●



-RR 负角槽型

铸铁及钢件
粗加工

- 1.特点: 刃口强壮, 抗冲击强, 排屑顺畅, 抗冲击力强, 铸铁及钢件重粗加工槽型。
- 2.加工对象及范围:
- CC1135: 钢件的粗加工, 适合于连续加工,Vc=200~380m/min;
- CC730: 钢件的粗加工, 铸铁的全系列加工, HRC45以下钢件及锻造&铸钢加工, 抗冲击力强, 特别推荐加工球墨铸铁加工及灰口铸铁的强断续加工。



同类槽型:

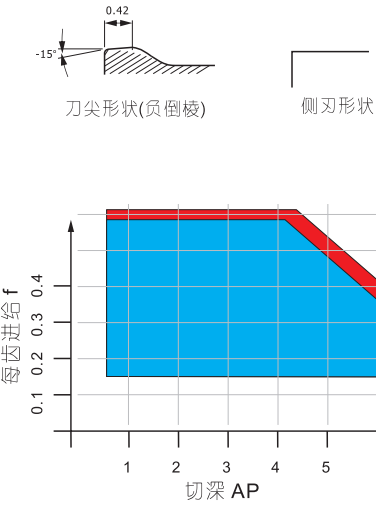
三菱Mitsubishi: HX,HV

东芝Tungaloy: DM,TRS,57

特固克Taegutec: RX,RH,HT

京瓷Kyocera: HX

住友Sumitomo: HG,HU,HW



被加工材料	加工参数	加工参数	
		线速度 Vc	每齿进给 f
钢件连续粗加工 CC1125		220-300-380	0.10-0.40
锻钢粗加工(断续加工) CC730,CC731		180-200-250	0.12-0.35
铸铁粗加工 CC730,CC731		250-300-400	0.12-0.45
推荐切削深度: Ap=1.2-7.0mm			

工件材质	型号规格	PVD涂层			CVD涂层		
		CP2130	CP2430	CP2630	CC1135	CC730	CC731
P 中低硬度钢, 合金钢					●	✱	✱
P 高硬度钢 HRC45-58							
M 不锈钢							
K 铸铁 Cast iron						✱	✱
N 有色金属							
S 耐热合金							
连续加工	不规则形状加工	断续加工	首选	可选			
CNMM120412-RR					●	●	
CNMM160612-RR					●	●	
CNMM160612-RR					●	●	
CNMM160616-RR					●	●	
CNMM190616-RR					●	●	
CNMM190624-RR					●	●	
CNMM250924-RR					●	●	
DNMM150612-RR					●	●	
DNMM150616-RR					●	●	
SNMM120408-RR					●	●	
SNMM120412-RR					●	●	
SNMM120416-RR					●	●	
SNMM150608-RR					●	●	
SNMM150612-RR					●	●	
SNMM150616-RR					●	●	
SNMM150624-RR					●	●	
SNMM190608-RR					●	●	
SNMM190612-RR					●	●	
SNMM190616-RR					●	●	
SNMM250724-RR					●	●	
SNMM250924-RR					●	●	

-KUNX 粗加工

钢件
细长轴外圆加工

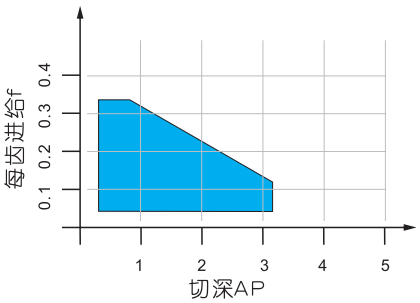
- 1.特点: 刃口较锋利, 排屑顺畅, 抗冲击力强, 特别适合钢件细长轴精加工及半精加工。
- 2.加工对象及范围:
- CP2630: HRC48-58淬火钢及用于低速加工钢件Vc<180m/min;
- CC1125: 钢件的连续加工;



同类槽型:

肯纳Kennametal: KNUX

特固克Taegutec: KNUX



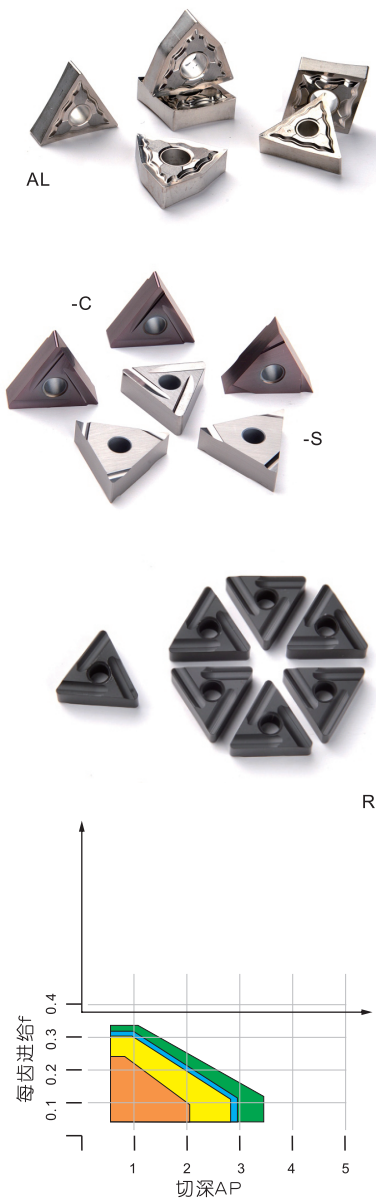
被加工材料	加工参数	加工参数	
		线速度 Vc	每齿进给 f
淬火钢 CP2630		40-70-100	0.06-0.15
钢类细长轴 CP2630		100-150-200	0.08-0.30
钢件连续半精加工 CC1125		180-220-280	0.08-0.35
推荐切削深度: Ap=0.3-3.5mm			

工件材质	型号规格	PVD涂层			CVD涂层		
		CP2130	CP2430	CP2630	CC1125	CC730	CC731
P 中低硬度钢, 合金钢 Steel				●	●		
P 高硬度钢 HRC45-58 Steel				✱			
M 不锈钢 Stainless steel							
K 铸铁 Cast iron							
N 有色金属 Nonferrous metal							
S 耐热合金 Heat-resisting steel							
连续加工	不规则形状加工	断续加工	首选	可选			
KNUX160405L11				●	●		
KNUX160410L11				●	●		
KNUX160405L12				●	●		
KNUX160410L12				●	●		
KNUX160415L12				●	●		
KNUX160405R11				●	●		
KNUX160410R11				●	●		
KNUX160405R12				●	●		
KNUX160410R12				●	●		
KNUX160415R12				●	●		



-R/L&AL 负角槽型

钛合金,不锈钢,钢及铝合金
精加工及半精加工



被加工材料	加工参数	加工参数	
		线速度 Vc	每齿进给 f
3xx铸造不锈钢 CP2130,CP6125		60-120-140	0.06-0.15
钛合金 CP6125		40-50-70	0.06-0.15
钢件连续精及半精加工 CC1125		220-300-350	0.06-0.25
锻钢断续精及半精加工 CC730,CC731		220-300-400	0.06-0.25
推荐切削深度: Ap=0.4-2.0mm			

- 1.特点: 刃口锋利, 加工轻快, 排屑顺畅, 精加工及半精加工一气呵成, 加工表面光洁度高。
- 2.加工对象及范围:
- CP2130: 难加工不锈钢和钢的半精加工和精加工, Vc=50~150m/min;
钛合金和可伐合金的半精加工和精加工, Vc=40~70m/min;
- CW20: 铝合金通用加工, Vc=250~600m/min;
- CP5120: 铝合金精加工专用, 耐磨性极高, Vc=500~800m/min;
- CT20和CTP20: 软钢的半精加工和精加工, 钢件的精加工, 高速及高加工表面光洁度, 耐磨性极高, 抗崩性能差。
- CC730,731: 钢件的半精及精加工, HRC45以下钢件及锻造&铸钢加工。

工件材质	连续加工 ●: 不规则形状加工 ✱: 断续加工		●: 首选; ○ 可选								
	P 钢 Steel	P 高硬度钢 HRC45-58 Steel	M 不锈钢 Stainless steel	S 钛合金 Titanium alloy	N 有色金属 Nonferrous metal	S 耐热合金 Heat-resisting steel					
型号规格	PVD涂层			CVD涂层		合金	金属陶瓷				
	CP6125	CP2130	CP2630	CC730	CC731	CW20	CT20	CTP20			
CNKG120404-AL							●				
CNKG120408-AL							●				
SNKG120404-AL							●				
SNKG120408-AL							●				
TNKG160404-AL							●				
TNKG160408-AL							●				
VNKG160404-AL							●				
VNKG160408-AL							●				
WNKG080404-AL							●				
WNKG080408-AL							●				
TNMG160404-R				●	●						
TNMG160404-L				●	●						
TNMG160408-R				●	●						
TNMG160408-L				●	●						
TNKG160401FR-S	●					●	●	●			
TNKG160401FL-S	●					●	●	●			
TNKG160402FR-S	●					●	●	●			
TNKG160402FL-S	●					●	●	●			
TNKG160404R-C	●					●	●	●			
TNKG160404L-C	●					●	●	●			
TNKG160408R-C	●					●	●	●			
TNKG160408L-C	●					●	●	●			

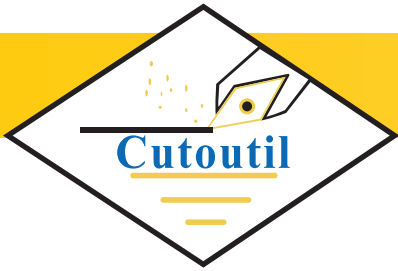
正角刀片

Positive turning insert chip-breaker



- CF: 难加工材料槽型 (原创设计, 已申请专利)
Difficult-to-machine materials(Original design, has applied for patent)
- CM: 不锈钢专用槽型 (原创设计, 已申请专利)
Stainless steel special grade(Original design, has applied for patent)
- XM1: 不锈钢及钢件半精加工专用槽型
Steel and stainless special grade for semi-finishing
- MR: 钢及铸铁加工专用槽型 (原创设计, 已申请专利)
Cast iron and steel special grade(Original design, has applied for patent)

自主创新槽型
Independent innovation chip-breaker



-CF正角槽型

不锈钢及钢
半精加工及精加工



- 1.特点: 全磨制周边G级精度刀片, 刃口非常锋利, 加工轻快, 排屑顺畅, 抗冲击力较强, 精加工及半精加工一气呵成, 加工表面光洁度高, 特别适合自动化无人化操作管理。
- 2.加工对象及范围:
- CP 2130: 难加工不锈钢的半精加工和精加工, Vc=50~150m/min;
- CP 2430: 高温合金和不锈钢(特别是锻造不锈钢)的高速半精加工和精加工, 高温合金Vc=40~80m/min; 不锈钢Vc=150~250m/min; 加工软钢性能俱佳;
- CP 2630: 用于高温合金、马氏体不锈钢、双相不锈钢加工; HRC45-58淬火钢及用于低速加工薄壁钢件Vc<180m/min;
- CP 6125: 钛合金加工专用, 抗粘屑能力强;
- CW 20: 铝合金通用加工, 特别是高硅铝合金;
- CP 5120: 铝合金精加工专用, 耐磨性极高。
- CT 20和CTP 20: 软钢的半精加工和精加工, 钢件的精加工, 高速及高加工表面光洁度, 耐磨性极高, 抗崩性能差。

●: 连续加工 ●: 不规则形状加工 ✱: 断续加工 ●: 首选; ○ 可选

工件材料	P 钢 Steel	P 高硬度钢 HRC45-58 Steel	M 不锈钢 Stainless steel	S 钛合金和可伐合金 Ti alloy	N 有色金属 Nonferrous metal	S 耐热合金 Heat-resisting steel	PVD涂层						合金 金属陶瓷	
							CP2130	CP2430F	CP2630	CP6125	CP5120	CW20	CT20	CTP20
型号规格														
CCGT060202-CF	○	○	○	○	○	○	○	○	○	○	○	○	○	○
CCGT060204-CF	○	○	○	○	○	○	○	○	○	○	○	○	○	○
CCGT060208-CF	○	○	○	○	○	○	○	○	○	○	○	○	○	○
CCGT09T302-CF	○	○	○	○	○	○	○	○	○	○	○	○	○	○
CCGT09T304-CF	○	○	○	○	○	○	○	○	○	○	○	○	○	○
CCGT09T308-CF	○	○	○	○	○	○	○	○	○	○	○	○	○	○
DCGT070202-CF	○	○	○	○	○	○	○	○	○	○	○	○	○	○
DCGT070204-CF	○	○	○	○	○	○	○	○	○	○	○	○	○	○
DCGT070208-CF	○	○	○	○	○	○	○	○	○	○	○	○	○	○
DCGT11T302-CF	○	○	○	○	○	○	○	○	○	○	○	○	○	○
DCGT11T304-CF	○	○	○	○	○	○	○	○	○	○	○	○	○	○
DCGT11T308-CF	○	○	○	○	○	○	○	○	○	○	○	○	○	○
SCGT09T302-CF	○	○	○	○	○	○	○	○	○	○	○	○	○	○
SCGT09T304-CF	○	○	○	○	○	○	○	○	○	○	○	○	○	○
SCGT09T308-CF	○	○	○	○	○	○	○	○	○	○	○	○	○	○
TCGT110202-CF	○	○	○	○	○	○	○	○	○	○	○	○	○	○
TCGT110204-CF	○	○	○	○	○	○	○	○	○	○	○	○	○	○
TCGT110208-CF	○	○	○	○	○	○	○	○	○	○	○	○	○	○
VBGT110302-CF	○	○	○	○	○	○	○	○	○	○	○	○	○	○
VBGT110304-CF	○	○	○	○	○	○	○	○	○	○	○	○	○	○
VBGT160402-CF	○	○	○	○	○	○	○	○	○	○	○	○	○	○
VBGT160404-CF	○	○	○	○	○	○	○	○	○	○	○	○	○	○
VBGT160408-CF	○	○	○	○	○	○	○	○	○	○	○	○	○	○
VBGT160412-CF	○	○	○	○	○	○	○	○	○	○	○	○	○	○
VCGT160416-CF	○	○	○	○	○	○	○	○	○	○	○	○	○	○
VCGT220520-CF	○	○	○	○	○	○	○	○	○	○	○	○	○	○

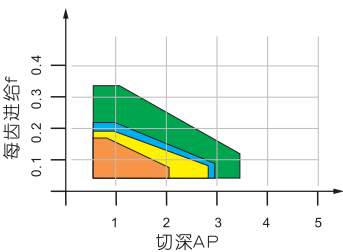
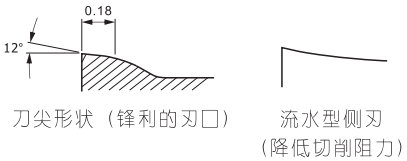
同类槽型:

三菱 Mitsubishi:SW, SV

东芝 Tungaloy:SS

特固克 Taegutec:FG,FX

京瓷 Kyocera:PP,GK



被加工材料	加工参数	加工参数	
		线速度 Vc	每齿进给 f
3xx铸造不锈钢 CP2130		60-120-140	0.06-0.20
3xx锻造及管材不锈钢 CP2430		100-150-240	0.06-0.20
25xx双相不锈钢,淬火钢 CP2430F,CP2630		40-70-100	0.06-0.12
4xx不锈钢 CP2430F,CP2630		100-150-170	0.06-0.15
钛合金 CP6125		40-50-60	0.06-0.12
钢件 CT20&CTP20		150-220-260	0.06-0.20
铝合金 CW20&CP5120		250-450-600	0.06-0.30
推荐切削深度: Ap=0.4-3.0(3.5)mm			

-CM正角槽型

不锈钢及钢
半精加工及精加工



中国人独创具有自主知识产权的槽型设计

本槽型设计已经申请国家专利

专利号: ZL 2016 2 0141003.1

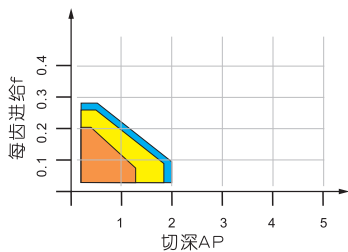
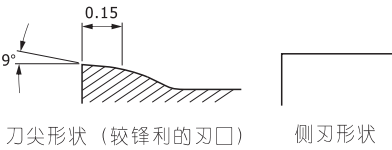
同类槽型:

三菱 Mitsubishi:SW, SV

东芝 Tungaloy:SS

特固克 Taegutec:FG,FX

京瓷 Kyocera:HQ,XP



被加工材料	加工参数	加工参数	
		线速度 Vc	每齿进给 f
3xx铸造不锈钢 CP2130		60-120-140	0.06-0.25
3xx锻造及管材不锈钢 CP2430		100-150-240	0.06-0.25
25xx双相不锈钢,淬火钢 CP2430F,CP2630		40-70-100	0.06-0.15
4xx不锈钢 CP2430F,CP2630		100-150-170	0.06-0.20
钢件连续精加工 CC1125		220-300-350	0.06-0.25
锻钢及铸铁精加工 CC730,CC731		220-300-400	0.06-0.25
推荐切削深度: Ap=0.4-2.0mm			

- 1.特点: 刃口锋利, 排屑顺畅, 抗冲击力强, 应用范围广, 精加工及半精加工一气呵成, 加工表面光洁度高, 可转位精度好, 特别适合自动化无人操作管理。

2.加工对象及范围:

CP 2130: 通用不锈钢的半精加工和精加工, Vc=50~150m/min;

CP 2430: 高温合金及不锈钢(特别是锻造不锈钢)的高速加工, 高温合金Vc=40~80m/min; 不锈钢Vc=100~250m/min; 加工软钢性能俱佳;

HRC45-58淬火钢, 用于低速加工钢件Vc<170m/min;

CP 2630: 高温合金, 4XX系列不锈钢及双向不锈钢克星,

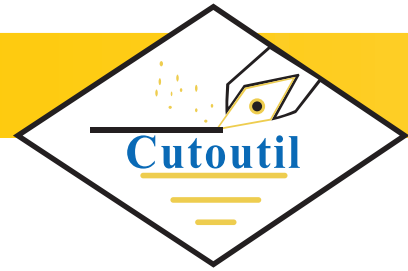
HRC45-58淬火钢, 用于低速加工钢件Vc<170m/min;

CC 1125: 钢件的精加工, Vc>170m/min;

CC 730,731: 低碳钢(软钢)的半精加工及精加工, 钢及铸铁的精加工, 特别是锻造及铸造钢加工抗冲击力强, 适合强断续加工。

●: 连续加工 ●: 不规则形状加工 ✱: 断续加工 ●: 首选; ○ 可选

工件材料	P 中低硬度钢, 合金钢 Steel	P 高硬度钢 HRC45-58 Steel	M 不锈钢 Stainless steel	S 钛合金 Titanium alloy	N 有色金属 Nonferrous metal	S 耐热合金 Heat-resisting steel	PVD涂层						CVD涂层	
							CP2130	CP2430F	CP2630	CC1125	CC730	CC731		
型号规格														
CCGT060202-CM	○	○	○	○	○	○	○	○	○	○	○	○	○	○
CCMT060204-CM	○	○	○	○	○	○	○	○	○	○	○	○	○	○
CCMT060208-CM	○	○	○	○	○	○	○	○	○	○	○	○	○	○
CCGT09T302-CM	○	○	○	○	○	○	○	○	○	○	○	○	○	○
CCMT09T304-CM	○	○	○	○	○	○	○	○	○	○	○	○	○	○
CCMT09T308-CM	○	○	○	○	○	○	○	○	○	○	○	○	○	○
DCGT070202-CM	○	○	○	○	○	○	○	○	○	○	○	○	○	○
DCMT070204-CM	○	○	○	○	○	○	○	○	○	○	○	○	○	○
DCGT11T302-CM	○	○	○	○	○	○	○	○	○	○	○	○	○	○
DCMT11T304-CM	○	○	○	○	○	○	○	○	○	○	○	○	○	○
SCGT09T302-CM	○	○	○	○	○	○	○	○	○	○	○	○	○	○
SCMT09T304-CM	○	○	○	○	○	○	○	○	○	○	○	○	○	○
SCMT09T308-CM	○	○	○	○	○	○	○	○	○	○	○	○	○	○
TCGT110202-CM	○	○	○	○	○	○	○	○	○	○	○	○	○	○
TCMT110204-CM	○	○	○	○	○	○	○	○	○	○	○	○	○	○
TCMT110208-CM	○	○	○	○	○	○	○	○	○	○	○	○	○	○
VCGT110302-CM	○	○	○	○	○	○	○	○	○	○	○	○	○	○
VCMT110304-CM	○	○	○	○	○	○	○	○	○	○	○	○	○	○
VBGT110302-CM	○	○	○	○	○	○	○	○	○	○	○	○	○	○
VBMT110304-CM	○	○	○	○	○	○	○	○	○	○	○	○	○	○
VBMT160404-CM	○	○	○	○	○	○	○	○	○	○	○	○	○	○
VBMT160408-CM	○	○	○	○	○	○	○	○	○	○	○	○	○	○



-XM1正角槽型

不锈钢及钢
半精加工



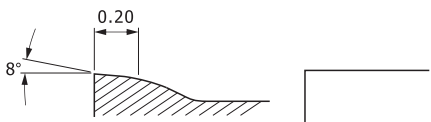
同类槽型:

三菱 Mitsubishi:无代码

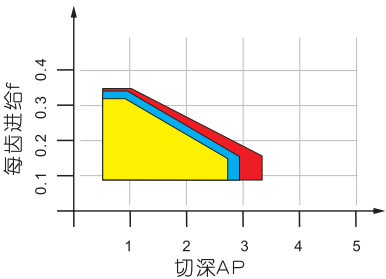
东芝 Tungaloy:PS

特固克 Taegutec:PG

京瓷 Kyocera:HQ



刀尖形状 (较强壮的刃口) 侧刃形状



被加工材料	加工参数	加工参数	
		线速度 Vc	每齿进给 f
3xx铸造不锈钢 CP2130		60-120-140	0.06-0.25
3xx锻造及管材不锈钢 CP2430		100-150-240	0.06-0.25
25xx双相不锈钢, 淬火钢 CP2430F, CP2630		40-70-100	0.06-0.15
4xx不锈钢 CP2430F, CP2630		100-150-170	0.06-0.20
推荐切削深度: Ap=0.8-2.8mm			

- 1.特点: 刃口较锋利, 排屑顺畅, 抗冲击力强, 应用范围广, 半精加工槽, 加工表面光洁度高。
- 2.加工对象及范围:
- CP 2130: 通用不锈钢的半精加工, Vc=50~150m/min;
- CP 2430: 高温合金及不锈钢(特别是锻造不锈钢)的高速加工, 高温合金Vc=40~80m/min; 不锈钢Vc=100~250m/min; 加工软钢性能俱佳;
- HRC45-58淬火钢, 用于低速加工钢件Vc<170m/min;
- CP 2630: 4XX系列不锈钢及双向不锈钢克星;
- HRC45-58淬火钢, 用于低速加工钢件Vc<170m/min;

●：连续加工 ●：不规则形状加工 ⚙：断续加工 ●：首选；○ 可选							
工件材质	P 中低硬度钢，合金钢 Steel	⚙	⚙	⚙			
	P 高硬度钢 HRC45-58 Steel		●	⚙			
	M 不锈钢 Stainless steel	⚙	⚙	⚙			
	S 钛合金 Titanium alloy						
	N 有色金属 Nonferrous metal						
S 耐热合金 Heat-resisting steel		●	⚙				
型号规格		PVD涂层			CVD涂层		
		CP2130	CP2430F	CP2630	CC1125	CC730	CC731
CCMT060204-XM1		○	●	●			
CCMT09T304-XM1		○	●	●			
CCMT09T308-XM1		○	●	●			
DCMT070204-XM1		○	●	●			
DCMT11T304-XM1		○	●	●			
DCMT11T308-XM1		○	●	●			
SCMT09T304-XM1		○	●	●			
SCMT09T308-XM1		○	●	●			
TCMT110204-XM1		○	●	●			
TCMT110208-XM1		○	●	●			
VBMT110304-XM1		○	●	●			
VBMT110308-XM1		○	●	●			
VBMT160404-XM1		○	●	●			
VBMT160408-XM1		○	●	●			

-MR正角槽型

钢及铸铁
半精加工及粗加工

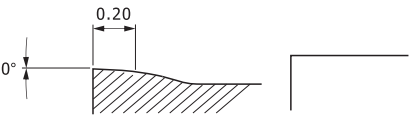


同类槽型:

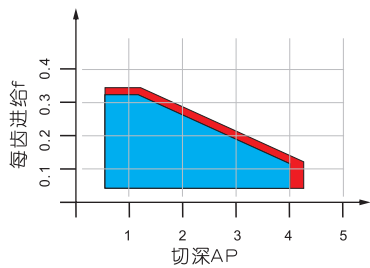
三菱 Mitsubishi:RR

东芝 Tungaloy:23

特固克 Taegutec:MT



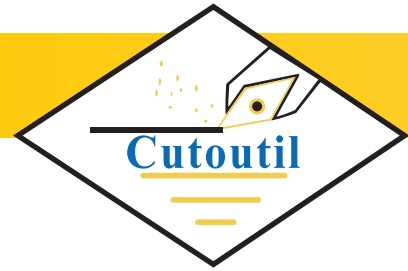
刀尖形状 (强壮的刃口) 侧刃形状



被加工材料	加工参数	加工参数	
		线速度 Vc	每齿进给 f
钢件连续精加工 CC1125		220-300-350	0.10-0.30
锻钢及铸铁精加工 CC730, CC731		220-300-400	0.10-0.30
推荐切削深度: Ap=0.8-4.0mm			

- 1.特点: 刃口较强壮, 排屑顺畅, 抗冲击力强, 应用范围广, 精加工及半精加工一气呵成, 加工表面光洁度高, 特别适合加工钢件及铸铁。
- 2.加工对象及范围:
- CP 2630: HRC45-58淬火钢, 用于低速加工钢件及铸铁 (特别是蠕墨铸铁、球墨铸铁、镍基铸铁) 加工, Vc<170m/min;
- CC 1125: 钢件的连续半精加工, Vc>170m/min;
- CC 730,731: 钢及铸铁的半精加工, 特别是锻造及铸造钢加工抗冲击力强, 适合强断续加工。

●：连续加工 ●：不规则形状加工 ⚙：断续加工							●：首选; ○：可选						
工件材质	P	中低硬度鋼，合金鋼 Steel					●	⚙	⚙				
	P	高硬度鋼 HRC45-58 Steel											
	M	不銹鋼 Stainless steel											
	K	鑄鐵 Cast iron											
	N	有色金屬 Nonferrous metal											
	S	耐熱合金 Heat-resisting steel											
型号规格			PVD涂层			CVD涂层							
			CP2130	CP2430	CP2630	CC1125	CC730	CC731					
CCMT060204-MR						●	●	●	●	●	●	●	
CCMT060208-MR						●	●	●	●	●	●	●	
CCMT09T304-MR						●	●	●	●	●	●	●	
CCMT09T308-MR						●	●	●	●	●	●	●	
CCMT120408-MR						●	●	●	●	●	●	●	
CCMT120412-MR						●	●	●	●	●	●	●	
DCMT070208-MR						●	●	●	●	●	●	●	
DCMT11T308-MR						●	●	●	●	●	●	●	
DCMT11T312-MR						●	●	●	●	●	●	●	
SCMT09T304-MR						●	●	●	●	●	●	●	
SCMT09T308-MR						●	●	●	●	●	●	●	
SCMT09T312-MR						●	●	●	●	●	●	●	
SCMT120404-MR						●	●	●	●	●	●	●	
SCMT120408-MR						●	●	●	●	●	●	●	
SCMT120412-MR						●	●	●	●	●	●	●	
TCMT090204-MR						●	●	●	●	●	●	●	
TCMT090208-MR						●	●	●	●	●	●	●	
TCMT110204-MR						●	●	●	●	●	●	●	
TCMT110208-MR						●	●	●	●	●	●	●	
TCMT16T304-MR						●	●	●	●	●	●	●	
TCMT16T308-MR						●	●	●	●	●	●	●	
TCMT16T312-MR						●	●	●	●	●	●	●	
TCMT220408-MR						●	●	●	●	●	●	●	
VBMT160404-MR						●	●	●	●	●	●	●	
VBMT160408-MR						●	●	●	●	●	●	●	
VBMT160412-MR						●	●	●	●	●	●	●	



-FR/L-U,Y正角槽型

小零件车削镗孔
精加工及半精加工



同类槽型:

我们的-Y:

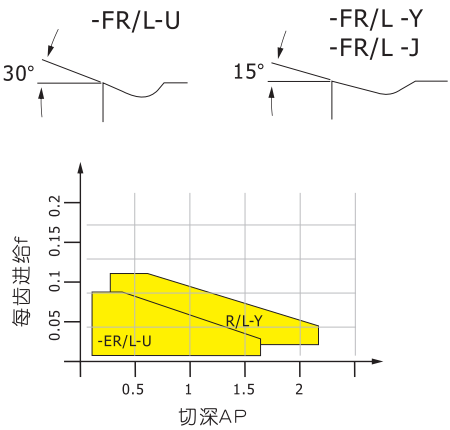
KYOCERA京瓷:-Y,-J,无符号;

NTK:-S,-AT;

我们的-U:

KYOCERA京瓷:-U;

NTK:-KHG,-K;



被加工材料	加工参数	加工参数	
		线速度 Vc	每齿进给 f
3xx铸造不锈钢 CP2130		60-120-140	0.03-0.15
		100-150-170	0.03-0.15
		40-70-100	0.03-0.12
		100-150-170	0.03-0.15
钛合金 CP6125		40-50-60	0.03-0.12
钢件 CT20&CTP20		150-220-260	0.03-0.20
铝合金 CW20&CP5120		250-450-600	0.03-0.30
推荐切削深度: Ap=0.05-2.0mm			

- 1.特点: 刃口锋利, 加工轻快, 排屑顺畅, 精加工及半精加工一气呵成, 加工表面光洁度高。
- 2.加工对象及范围:
- CP 2130: 不锈钢、钢件、软钢及易车铁、钢件、钛合金及高温合金的中低速半精加工和精加工, VC=50~150m/min;
- CW 20: 铝合金通用加工;
- CT 20: 软钢的半精加工和精加工, 钢件的精加工, 高速及高表面光洁度, 耐磨性极高, 抗崩性能差。

●: 连续加工 ●: 不规则形状加工 ✱: 断续加工 ●: 首选: ○ 可选

工件材质	P 中低硬度钢, 合金钢 Steel	P 高硬度钢 HRC45-58 Steel	M 不锈钢 Stainless steel	S 钛合金和可伐合金 Ti alloy	N 有色金属 Nonferrous metal	S 耐热合金 Heat-resisting steel
	●		✱	✱	✱	✱

型号规格	PVD涂层					合金	金属陶瓷
	CP2130	CP2430	CP2630	CP6125	CP5120	CW20	CT20 CTP20
CCGT060201FR-U	●					●	●
CCGT060202FR-U	●					●	●
CCGT060204FR-U	●					●	●
CCGT09T301FR-U	●					●	●
CCGT09T302FR-U	●					●	●
CCGT09T304FR-U	●					●	●
CCGT060201FL-U	●					●	●
CCGT060202FL-U	●					●	●
CCGT060204FL-U	●					●	●
CCGT09T301FL-U	●					●	●
CCGT09T302FL-U	●					●	●
CCGT09T304FL-U	●					●	●
CCGT060202FR-Y	●					●	●
CCGT060204FR-Y	●					●	●
CCGT09T302FR-Y	●					●	●
CCGT09T304FR-Y	●					●	●
CCGT09T308FR-Y	●					●	●
CCGT060202FL-Y	●					●	●
CCGT060204FL-Y	●					●	●
CCGT09T302FL-Y	●					●	●
CCGT09T304FL-Y	●					●	●
CCGT09T308FL-Y	●					●	●

-FR/L-U,Y正角槽型

小零件车削镗孔
精加工及半精加工



同类槽型:

我们的-Y:

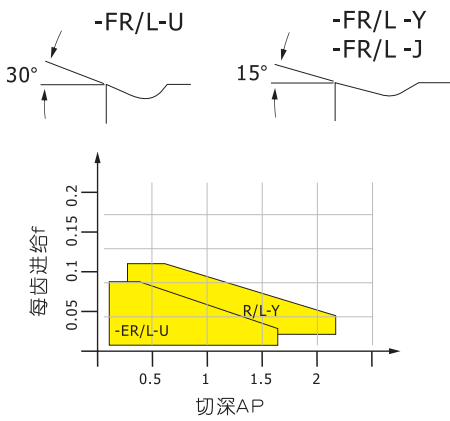
KYOCERA京瓷:-Y,-J,无符号;

NTK:-S,-AT;

我们的-U:

KYOCERA京瓷:-U;

NTK:-KHG,-K;



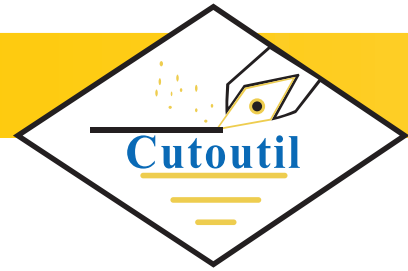
被加工材料	加工参数	加工参数	
		线速度 Vc	每齿进给 f
3xx铸造不锈钢 CP2130		60-120-140	0.03-0.15
3xx锻造及管材不锈钢 CP2430		100-150-170	0.03-0.15
25xx双相不锈钢,淬火钢 CP2630		40-70-100	0.03-0.12
4xx不锈钢 CP2630		100-150-170	0.03-0.15
钛合金 CP6125		40-50-60	0.03-0.12
钢件 CT20&CTP20		150-220-260	0.03-0.20
铝合金 CW20&CP5120		250-450-600	0.03-0.30
推荐切削深度: Ap=0.05-2.0mm			

- 1.特点: 刃口锋利, 加工轻快, 排屑顺畅, 精加工及半精加工一气呵成, 加工表面光洁度高。
- 2.加工对象及范围:
- CP 2130: 不锈钢、钢件、软钢及易车铁、钢件、钛合金及高温合金的中低速半精加工和精加工, VC=50~150m/min;
- CW 20: 铝合金通用加工;
- CT 20: 软钢的半精加工和精加工, 钢件的精加工, 高速及高表面光洁度, 耐磨性极高, 抗崩性能差。

●: 连续加工 ●: 不规则形状加工 ✱: 断续加工 ●: 首选: ○ 可选

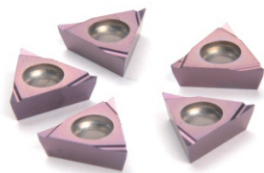
工件材质	P 中低硬度钢, 合金钢 Steel	P 高硬度钢 HRC45-58 Steel	M 不锈钢 Stainless steel	S 钛合金和可伐合金 Ti alloy	N 有色金属 Nonferrous metal	S 耐热合金 Heat-resisting steel
	●		✱	✱	✱	✱

型号规格	PVD涂层					合金	金属陶瓷
	CP2130	CP2430	CP2630	CP6125	CP5120	CW20	CT20 CTP20
DCGT0702005FR-U	●					●	●
DCGT070201FR-U	●					●	●
DCGT070202FR-U	●					●	●
DCGT11T3005FR-U	●					●	●
DCGT11T301FR-U	●					●	●
DCGT11T302FR-U	●					●	●
DCGT0702005FL-U	●					●	●
DCGT070201FL-U	●					●	●
DCGT070202FL-U	●					●	●
DCGT11T3005FL-U	●					●	●
DCGT11T301FL-U	●					●	●
DCGT11T302FL-U	●					●	●
DCGT070201FR-Y	●					●	●
DCGT070202FR-Y	●					●	●
DCGT070204FR-Y	●					●	●
DCGT11T301FR-Y	●					●	●
DCGT11T302FR-Y	●					●	●
DCGT11T304FR-Y	●					●	●
DCGT070201FL-Y	●					●	●
DCGT070202FL-Y	●					●	●
DCGT070204FL-Y	●					●	●
DCGT11T301FL-Y	●					●	●
DCGT11T302FL-Y	●					●	●
DCGT11T304FL-Y	●					●	●



-FR/L-U,Y正角槽型

小零件车削镗孔
精加工及半精加工



同类槽型:

我们的-Y:

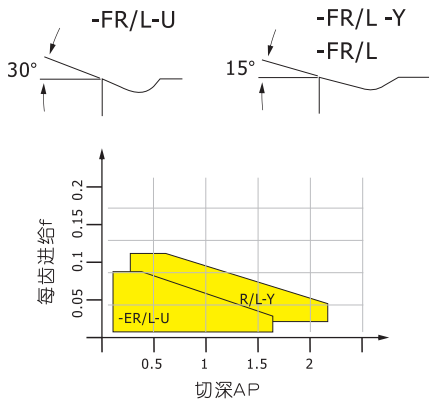
KYOCERA京瓷:-Y,-J,无符号;

NTK:-S,-AT;

我们的-U:

KYOCERA京瓷:-U;

NTK:-KHG,-K;



被加工材料	加工参数	加工参数	
		线速度 Vc	每齿进给 f
3xx铸造不锈钢 CP2130		60-120-140	0.03-0.15
3xx锻造及管材不锈钢 CP2430		100-150-170	0.03-0.15
25xx双相不锈钢,淬火钢 CP2630		40-70-100	0.03-0.12
4xx不锈钢 CP2630		100-150-170	0.03-0.15
钛合金 CP6125		40-50-60	0.03-0.12
钢件 CT20&CTP20		150-220-260	0.03-0.20
铝合金 CW20&CP5120		250-450-600	0.03-0.30
推荐切削深度: Ap=0.05-2.0mm			

工件材质	型号规格	PVD涂层					合金		金属陶瓷	
		CP2130	CP2430	CP2630	CP6125	CP5120	CW20	CT20	CTP20	
●: 连续加工 ●: 不规则形状加工 ✱: 断续加工 ●: 首选; ○ 可选	TBGT060101FL	●					●	●		
	TBGT060202FL	●					●	●		
	TCGT110201FR	●					●	●		
	TCGT110202FR	●					●	●		
	TCGT110204FR	●					●	●		
	TCGT110201FL	●					●	●		
	TCGT110202FL	●					●	●		
	TCGT110204FL	●					●	●		
	TPGH080202FR	●					●	●		
	TPGH080204FR	●					●	●		
	TPGH090202FR	●					●	●		
	TPGH090204FR	●					●	●		
	TPGH110302FR	●					●	●		
	TPGH110304FR	●					●	●		
	TCGT16T302UR	●					●	●		
	TCGT16T304UR	●					●	●		
	TPGH080202FL	●					●	●		
	TPGH080204FL	●					●	●		
	TPGH090202FL	●					●	●		
	TPGH090204FL	●					●	●		
	TPGH110302FL	●					●	●		
	TPGH110304FL	●					●	●		
	TCGT16T302FL	●					●	●		
	TCGT16T304FL	●					●	●		

-FR/L-U,Y正角槽型

小零件车削镗孔
精加工及半精加工



同类槽型:

我们的-Y:

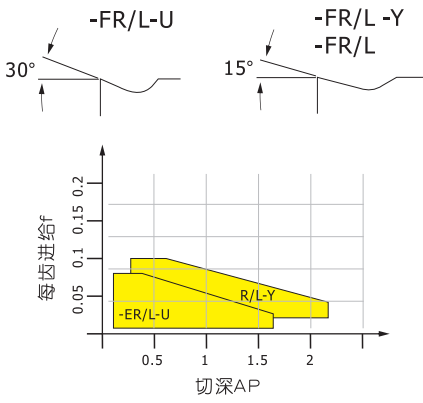
KYOCERA京瓷:-Y,-J,无符号;

NTK:-S,-AT;

我们的-U:

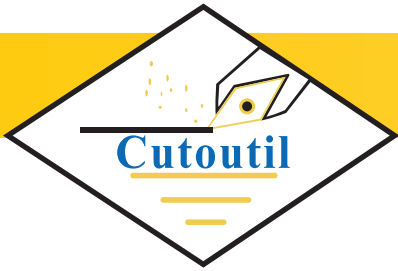
KYOCERA京瓷:-U;

NTK:-KHG,-K;



被加工材料	加工参数	加工参数	
		线速度 Vc	每齿进给 f
3xx铸造不锈钢 CP2130		60-120-140	0.03-0.15
3xx锻造及管材不锈钢 CP2430		100-150-170	0.03-0.15
25xx双相不锈钢,淬火钢 CP2630		40-70-100	0.03-0.12
4xx不锈钢 CP2630		100-150-170	0.03-0.15
钛合金 CP6125		40-50-60	0.03-0.12
钢件 CT20&CTP20		150-220-260	0.03-0.20
铝合金 CW20&CP5120		250-450-600	0.03-0.30
推荐切削深度: Ap=0.05-2.0mm			

工件材质	型号规格	PVD涂层					合金		金属陶瓷	
		CP2130	CP2430	CP2630	CP6125	CP5120	CW20	CT20	CTP20	
●: 连续加工 ●: 不规则形状加工 ✱: 断续加工 ●: 首选; ○ 可选	VBGT1103005FR-U	●					●	●		
	VBGT110301FR-U	●					●	●		
	VBGT110302FR-U	●					●	●		
	VBGT110304FR-U	●					●	●		
	VBGT1103005FL-U	●					●	●		
	VBGT110301FL-U	●					●	●		
	VBGT110302FL-U	●					●	●		
	VBGT110304FL-U	●					●	●		
	VBGT110301FR-Y	●					●	●		
	VBGT110302FR-Y	●					●	●		
	VBGT110304FR-Y	●					●	●		
	VBGT110308FR-Y	●					●	●		
	VBGT160402FR-Y	●					●	●		
	VBGT160404FR-Y	●					●	●		
	VBGT160408FR-Y	●					●	●		
	VBGT110301FL-Y	●					●	●		
	VBGT110302FL-Y	●					●	●		
	VBGT110304FL-Y	●					●	●		
	VBGT110308FL-Y	●					●	●		
	VBGT160402FL-Y	●					●	●		
	VBGT160404FL-Y	●					●	●		
	VBGT160408FL-Y	●					●	●		
	WBGT060201FL	●					●	●		
	WBGT060202FL	●					●	●		



-AL 正角槽型

铝合金及有色金属
半精加工及精加工



同类槽型:

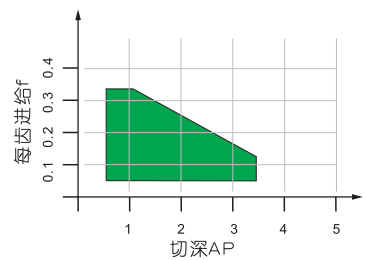
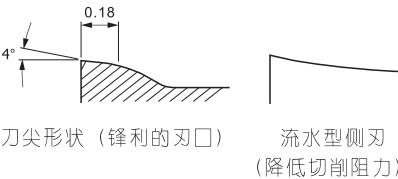
克洛伊 Korloy:AK,AR

伊斯卡 Iscar:AF,AS

山特维克,山高 SECO:AL

肯纳Kennametal:HP

森拉天时Seratizit:85,LMR



被加工材料	加工参数	加工参数	
		线速度 Vc	每齿进给 f
铝合金 CW20&CP5120		250-450-600	0.10-0.35
推荐切削深度: Ap=0.05-4.0mm			

1.特点: 全磨制周边G级精度刀片, 刃口非常锋利, 加工轻快, 排屑顺畅, 抗冲击力较强, 精加工及半精加工一气呵成, 加工表面光洁度高, 是铝合金及有色金属加工最佳利器。

2.加工对象及范围:

CW 20: 铝合金通用加工, 特别是高硅铝合金;

CP 5120: 铝合金精加工专用, 耐磨性极高。

●: 连续加工 ●: 不规则形状加工 ✱: 断续加工 ●: 首选: ○ 可选

工件材质	PVD涂层								合金	金属陶瓷
	CP2130	CP2430	CP2630	CP6125	CP5120	CW20	CT20	CTP20		
● 中低硬度钢, 合金钢 Steel										
● 高硬度钢 HRC45-58 Steel										
● 不锈钢 Stainless steel										
● 钛合金 Titanium alloy										
● 有色金属 Nonferrous metal									●	✱
● 耐热合金 Heat-resisting steel										
型号规格										
CCGT060202-AL					●	●				
CCGT060204-AL					●	●				
CCGT060208-AL					●	●				
CCGT09T302-AL					●	●				
CCGT09T304-AL					●	●				
CCGT09T308-AL					●	●				
DCGT070202-AL					●	●				
DCGT070204-AL					●	●				
DCGT070208-AL					●	●				
DCGT11T302-AL					●	●				
DCGT11T304-AL					●	●				
DCGT11T308-AL					●	●				
SCGT09T302-AL					●	●				
SCGT09T304-AL					●	●				
SCGT09T308-AL					●	●				
TCGT110202-AL					●	●				
TCGT110204-AL					●	●				
TCGT110208-AL					●	●				
VCGT110302-AL					●	●				
VCGT110304-AL					●	●				
VCGT110308-AL					●	●				
VCGT160402-AL					●	●				
VCGT160404-AL					●	●				
VCGT160408-AL					●	●				
VCGT160412-AL					●	●				
VCGT160416-AL					●	●				
VCGT220516-AL					●	●				
VCGT220520-AL					●	●				
VCGT220525-AL					●	●				
VCGT220530-AL					●	●				

M□MN切槽, 切断刀片

性价比超高
双头切槽切断刀片



1.特点: 刃口较锋利, 加工阻力轻快, 断屑性能好, 通用性强。
可以完美取代进口同类产品;

2.加工对象及范围:

CP 2130: 不锈钢, 钢加工,

Vc=50~150m/min;

CP 2630: <HRC55钢件及铸铁加工,

Vc=60-150m/min; 兼容加工

不锈钢和高温合金俱佳。

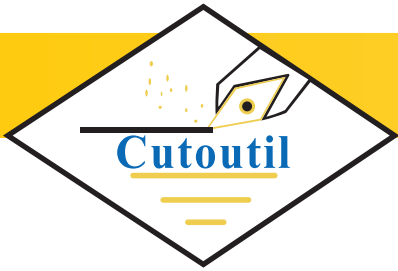
3.兼容: 同韩国克洛伊的MGMN系列同款刀杆。

●: 连续加工 ●: 不规则形状加工 ✱: 断续加工 ●: 首选: ○ 可选

工件材质	PVD涂层								合金	金属陶瓷
	CP2130	CP2430	CP2630	CP6125	CP5120	CW20	CT20	CTP20		
● 钢 Steel	✱		✱							
● 高硬度钢 HRC45-58 Steel			✱							
● 不锈钢 Stainless steel	✱		✱							
● 钛合金 Titanium alloy			✱							
● 耐热合金 Heat-resisting steel			✱							
● 铸铁 Cast iron	✱		✱							
型号规格										
1.平头										
MGMN150-G	○		●							
MGMN200-G	○		●							
MGMN250-G	○		●							
MGMN300-M	○		●							
MGMN400-M	○		●							
MGMN500-M	○		●							
MGMN600-M	○		●							
2.圆头										
MRMN200-M	○		●							
MRMN300-M	○		●							
MRMN400-M	○		●							

刀片型号	加工参数	外圆加工		内孔,端面加工	
		线速度 Vc	每齿进给 f	线速度 Vc	每齿进给 f
MGMN150 MGMN200		50-100-130	0.06-0.12	40-70-100	0.05-0.10
MGMN250		50-100-130	0.07-0.15	40-70-100	0.06-0.10
MGMN300 MRMN300-M		50-100-130	0.08-0.20	40-70-100	0.07-0.12
MGMN400-M MRMN400-M		50-100-130	0.10-0.25	40-70-100	0.08-0.14
MGMN500-M		50-100-130	0.12-0.25	40-70-100	0.10-0.16
MGMN600-M		50-100-130	0.15-0.25	40-70-100	0.10-0.18
切断刀片宽度选择: 刀片宽度 = $\frac{\text{工件直径D}}{5 \sim 8}$					
压制切断切槽刀片使用中 f ≥ 0.05mm/齿					

经验小贴士



ZT□D切槽，切断刀片

钢和铸铁
双头切槽切断刀片



- 1.特点：刃口强壮，抗冲击能力强，断屑性能好，是加工钢件和铸铁理想选择,可以完美取代同类产品；
- 2.加工对象及范围：
- CP 2630：钢，铸铁加工首选，
- Vc=60~200m/min；
- 3.兼容：同株钻小松鼠系列同款刀杆。

●：连续加工 ●：不规则形状加工 ✱：断续加工 ●：首选；○ 可选

工件材质	P 钢 Steel			✱					
	P 高硬度钢 HRC45-58 Steel			✱					
	M 不锈钢 Stainless steel			✱					
	S 钛合金 Titanium alloy								
	S 耐热合金 Heat-resisting steel								
	K 铸铁 Cast iron			✱					
型号规格	槽宽 mm	PVD涂层					合金 金属陶瓷		
		CP2130	CP2430	CP2630	CP6125	CP5120	CW20	CT20	CTP20
平头									
ZTED250N-MG	2.5			●					
ZTFD300N-MG	3			●					
ZTGD400N-MG	4			●					
ZTHD500N-MG	5			●					

刀片型号	加工参数	外圆加工		内孔,端面加工	
		线速度 Vc	每齿进给 f	线速度 Vc	每齿进给 f
ZTED250-MG		60-120-180	0.07-0.12	50-80-110	0.05-0.10
ZTFD300-MG		60-120-190	0.08-0.15	50-80-110	0.06-0.10
ZTGD400-MG		60-120-200	0.09-0.20	50-80-110	0.07-0.12
ZTHD500-MG		60-120-200	0.10-0.25	50-80-110	0.08-0.14
切断刀片宽度选择: 刀片宽度= $\frac{\text{工件直径D}}{5\sim8}$					
压制切断切槽刀片使用中 f ≥0.05mm/齿 经验小贴士					

SP切槽，切断刀片

钢和铸铁
单头切槽切断刀片

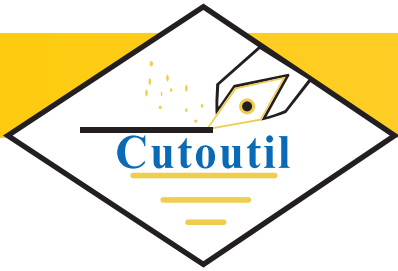


- 1.特点：刃口强壮，抗冲击能力强，断屑性能好，是加工钢件和铸铁理想选择,可以完美取代进口同类产品；
- 2.加工对象及范围：
- CP 2630：钢，铸铁加工，
- Vc=60~150m/min；
- 3.兼容：同韩国克洛伊的SP系列同款刀杆。

●：连续加工 ●：不规则形状加工 ✱：断续加工 ●：首选；○ 可选

工件材质	P 钢 Steel			✱					
	P 高硬度钢 HRC45-58 Steel			✱					
	M 不锈钢 Stainless steel			✱					
	S 钛合金 Titanium alloy								
	S 耐热合金 Nonferrous metal								
	K 铸铁 Cast iron			✱					
型号规格	槽宽 mm	PVD涂层					合金 金属陶瓷		
		CP2130	CP2430	CP2630	CP6125	CP5120	CW20	CT20	CTP20
平头									
SP200	2			●					
SP300	3			●					
SP400	4			●					
SP500	5			●					
SP600	6			●					
TGV2	2			●					
TGV3	3			●					
TGV4	4			●					
TGV5	5			●					

刀片型号	加工参数	外圆加工		内孔,端面加工	
		线速度 Vc	每齿进给 f	线速度 Vc	每齿进给 f
SP200(TGV2)		60-100-150	0.07-0.12	50-70-100	0.05-0.10
SP300(TGV3)		60-100-150	0.08-0.15	50-70-100	0.06-0.10
SP400(TGV4)		60-100-150	0.09-0.20	50-70-100	0.07-0.12
SP500(TGV5)		60-100-150	0.10-0.25	50-70-100	0.08-0.14
切断刀片宽度选择: 刀片宽度= $\frac{\text{工件直径D}}{5\sim8}$					
压制切断切槽刀片使用中 f ≥0.05mm/齿 经验小贴士					



CUT切槽刀片

不锈钢及钢,铝合金
浅槽加工（同螺纹刀杆通装）



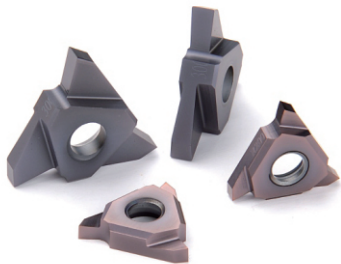
- 1.特点：全磨制G级精度槽刀片，刃口非常锋利，加工轻快，排屑顺畅，抗冲击力较强，加工表面光洁度高,特别适合浅槽加工，同螺纹车刀杆共用刀杆。
- 2.加工对象及范围：
- CP 2130: 不锈钢及钢的精密浅切槽加工，
VC=50~120m/min;
- CP 6125: 主打钛合金和可伐合金加工；
- CW 20: 铝合金通用加工，
特别是高硅铝合金；

被加工材料	加工参数	连续加工及不规则加工	
		线速度 Vc	每齿进给 f
不锈钢 CP2130		50-80-100	0.04-0.08
钢 CP2130,CP2630		70-100-150	0.04-0.08
钛合金 CP6120		30-50-60	0.04-0.06
HRC45-60 淬火钢 CP2630		30-70	0.04-0.06
耐热合金 CP2630		20-40-60	0.04-0.06
有色金属 CW20,CP5120		200-250-300	0.04-0.12

●：连续加工 ●：不规则形状加工 ✱：断续加工				●：首选: ○ 可选			
工件材料	P	钢 Steel		✱	✱		
	P	高硬度钢 HRC45-58 Steel			✱		
	M	不锈钢 Stainless steel		✱	✱		
	S	钛合金 Titanium alloy			✱	✱	
	N	有色金属 Nonferrous metal					✱
	S	耐热合金 Heat-resisting steel			✱		
型号规格				PVD涂层		合金	
				CP2130	CP2630	CP6125	CW20
内槽加工		外槽加工	槽宽 WH13	切深 H			
11IR050CUT			0.5	0.8	○		● ●
11IR075CUT			0.75	1.2	○		● ●
11IR080CUT			0.80	1.2	○		● ●
11IR100CUT			1.0	1.5	○		● ●
11IR120CUT			1.2	1.8	○		● ●
11IR130CUT			1.3	1.8	○		● ●
11IR150CUT			1.5	1.8	○		● ●
16IR050CUT		16ER050CUT	0.5	1.0	○		● ●
16IR075CUT		16ER075CUT	0.75	1.5	○		● ●
16IR080CUT		16ER080CUT	0.8	1.6	○		● ●
16IR100CUT		16ER100CUT	1.0	2.0	○		● ●
16IR120CUT		16ER120CUT	1.2	2.2	○		● ●
16IR130CUT		16ER130CUT	1.3	2.2	○		● ●
16IR150CUT		16ER150CUT	1.5	2.2	○		● ●
16IR160CUT		16ER160CUT	1.6	2.3	○		● ●
16IR185CUT		16ER185CUT	1.85	2.3	○		● ●
16IR200CUT		16ER200CUT	2.0	2.3	○		● ●
16IR215CUT		16ER215CUT	2.15	2.3	○		● ●
16IR250CUT		16ER250CUT	2.5	2.3	○		● ●
22IR100CUT		22ER100CUT	1.0	2.0	○		● ●
22IR125CUT		22ER125CUT	1.25	2.5	○		● ●
22IR150CUT		22ER150CUT	1.5	3.0	○		● ●
22IR180CUT		22ER180CUT	1.8	3.5	○		● ●
22IR200CUT		22ER200CUT	2.0	3.5	○		● ●
22IR250CUT		22ER250CUT	2.5	3.5	○		● ●
22IR300CUT		22ER300CUT	3.0	3.5	○		● ●

TGF,GBA切槽刀片

不锈钢及钢,铝合金
精密浅槽加工

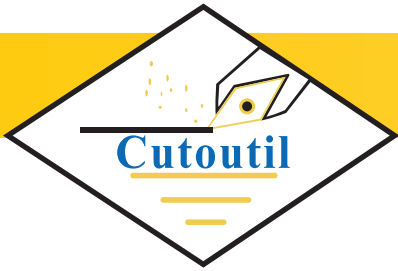


- 1.特点：全磨制G级精度槽刀片，刃口非常锋利，加工轻快，排屑顺畅，抗冲击力较强，加工表面光洁度高,特别适合浅槽加工，可以使用三个角。
- 2.加工对象及范围：
- CP2130: 难加工不锈钢的精密切槽加工，
VC=50~120m/min;
钢件特别是易车铁的加工；
- CW20: 铝合金通用加工，
特别是高硅铝合金；
- 3.兼容： 京瓷TGF和GBA;

●：连续加工 ●：不规则形状加工 ✱：断续加工

●：首选: ○ 可选

工件材料	P 鋼 Steel	✱	✱					
	P 高硬度鋼 HRC45-58 Steel		✱					
	M 不銹鋼 Stainless steel	✱	✱					
	S 鈦合金 Titanium alloy	✱	✱					
	N 有色金属 Nonferrous metal			✱				
	S 耐熱合金 Heat-resisting steel		✱					
型号规格					PVD涂层		合金	
					CP2130	CP2630	CW20	
TGF&TG	槽宽 WH13	切深 H	GBA	槽宽 WH13	切深 H			
TG22R/L 050	0.5	1.2	GBA32R/L 050	0.5	1.0	●		●
TG22R/L 075	0.75	2.0	GBA32R/L 075	0.75	2.0	●		●
TG22R/L 100	1.0	2.0	GBA32R/L 080	0.80	2.0	●		●
TG22R/L 125	1.25	2.0	GBA32R/L 095	0.95	2.0	●		●
TG22R/L 150	1.5	2.0	GBA32R/L 100	1.0	2.0	●		●
TGF32R/L 033	0.33	0.8	GBA32R/L 110	1.1	2.0	●		●
TGF32R/L 050	0.50	1.2	GBA32R/L 120	1.2	2.0	●		●
TGF32R/L 075	0.75	2.0	GBA32R/L 125	1.25	2.0	●		●
TGF32R/L 080	0.8	2.0	GBA32R/L 150	1.5	2.0	●		●
TGF32R/L 095	0.95	2.0	GBA32R/L 175	1.75	2.0	●		●
TGF32R/L 100	1.0	2.0	GBA32R/L 200	2.0	2.5	●		●
TGF32R/L 125	1.25	2.0	GBA32R/L 225	2.25	2.5	●		●
TGF32R/L 150	1.5	2.5	GBA32R/L 250	2.5	2.5	●		●
TGF32R/L 175	1.75	2.5	GBA32R/L 300	3.0	2.5	●		●
TGF32R/L 200	2.0	2.5	GBA43R/L 125	1.25	2.0	●		●
TGF32R/L 250	2.5	2.5	GBA43R/L 150	1.5	3.5	●		●
TG43R/L 125	1.25	2.0	GBA43R/L 175	1.75	3.5	●		●
TG43R/L 150	1.5	3.5	GBA43R/L 200	2.0	3.5	●		●
TG43R/L 175	1.75	3.5	GBA43R/L 225	2.25	3.5	●		●
TG43R/L 200	2.0	3.5	GBA43R/L 250	2.5	4.0	●		●
TG43R/L 250	2.5	4.0	GBA43R/L 280	2.8	4.0	●		●
TG43R/L 275	2.75	4.0	GBA43R/L 300	3.0	5.0	●		●
TG43R/L 300	3.0	5.0	GBA43R/L 350	3.5	5.0	●		●
TG43R/L 350	3.5	5.0	GBA43R/L 400	4.0	5.0	●		●
TG43R/L 400	4.0	5.0	GBA43R/L 450	4.5	5.0	●		●
TG43R/L 450	4.5	5.0	GBA43R/L 480	4.8	5.0	●		●



螺纹车刀片型号表示规则

16	E	R	M	1.75	ISO	CW20	—	齿数
1	2	3	4	5	6	7		8

1	刀片尺寸
L (mm)	IC
06	5/32"
08	3/16"
11	1/4"
16	3/8"
22	1/2"
27	5/8"

2	刀片型号
代号	类型
E	外螺纹
I	内螺纹
UE	U型外螺纹
ER	U型内螺纹
EI	U型内外螺纹

3	左右刀片
R-右手	
L-左手	
N-左右手	

4	槽型及加工方式
M:压制毛坯，磨制齿形	
无:全磨制	

5	螺距	
定螺距 (数值表示)		
0.35-6.0	mm	
72-2	tpi	
泛螺距		
	mm	tpi
A	0.5-1.5	48-16
AG	1.0-3.0	26-10
G	1.75-3.0	14-8
N	3.5-5.0	7-5
Q	5.5-6.0	4.5-4

6	螺纹类别	页数
55	55 ° V牙形	
60	60 ° V牙形	
ISO	公制螺纹	
UN	美制螺纹	
UNJ,MJ	美制及公制航空螺纹	
W	英制螺纹	
BSPT	英制管螺纹	
NPT,NPS	美制管螺纹	
APIRD	美制石油管螺纹	
RD	DIN405园型管螺纹	
TR	公制梯形螺纹	
ACME	美制梯形螺纹	
STACME	美制短齿梯形螺纹	
SAGE	公制锯齿螺纹	
ABUT,BBUT	英制,美制锯齿螺纹	
H-90	90 ° 休斯螺纹	
PG	德标80 ° 螺纹	

7	刀片牌号
材质	常用加工材料
CW20	铝合金
CP2630	不锈钢, 钢, 铸铁
CP1125	不锈钢, 钢, 铸铁
CP2430	不锈钢和钢(高速)
CP6125	钛合金

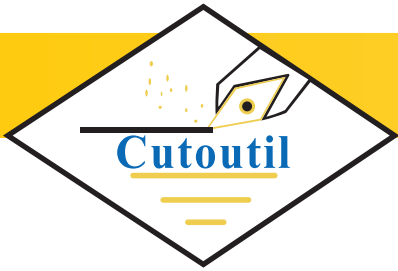
8	齿数
2, 3, 4, 5, 6, 8	

螺纹车刀片推荐材质及线速度

螺纹加工的线速度Vc(m/mim)推荐值

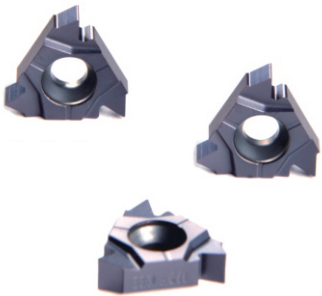
ISO	被加工材料		布氏 硬度 (HB)	材质牌号 / 线速度Vc(m/min)				
				推荐材质	中低速通用材质 Middle&low speed machining CP1125,2630,6125 CW20		高速高效材质 High speed machining CP2430	
					ER(外)	IR(内)	ER(外)	IR(内)
M Stainless steel 不锈钢	不锈钢-棒料/锻件 奥氏体 奥氏体 3系列 201,303,304,316	奥氏体 预淬火	200	CP2430 CP1125	80-120	60-100	100-150	80-130
			330		60-80	50-80	70-100	70-100
	不锈钢-棒料/锻件 铁素体/马氏体 4系列 410,420,430,440	易车 不锈钢 预淬火	200	CP1125 CP2430	80-120	60-100	100-150	80-130
			330		50-70	50-70	80-100	60-80
		淬硬	330		60-90	50-80	60-90	50-80
	不锈钢-棒料/锻件 奥氏体/铁素体(双相) 32,31,22系列	不可焊接 C≥0.05%	230	CP1125 CP2430	40-60	40-60	50-70	45-70
		可焊接 C<0.05%	260		70-80	50-70	70-80	55-80
	不锈钢-铸造 奥氏体 3系列	奥氏体 淬硬	200	CP1125 CP2430	80-120	60-100	100-150	100-130
			330		45-70	50-70	70-90	60-80
不锈钢-铸造 铁素体/马氏体 4系列	马氏体 预淬硬	200	CP1125 CP2430	80-120	60-100	100-150	100-130	
		330		45-60	45-70	45-70	45-70	
不锈钢-铸造 奥氏体/铁素体 (双相)	不可焊接 C≥0.05%	230	CP1125 CP2430	40-60	40-65	45-70	45-70	
	可焊接 C<0.05%	260		45-70	45-70	50-80	50-80	
P Steel 钢	碳钢	低碳 C=0.1-0.25%	125	CP1125 CP2430 CP2630	100-190	90-180	130-190	110-180
		中碳 C=0.25-0.55%	150		100-170	90-160	130-170	110-160
		高碳 C=0.55-0.85%	170		80-160	70-150	110-160	100-150
	合金钢	易车 铁	180	CP1125 CP2630	80-160	70-150	120-170	110-150
		淬火钢 HRC=28-40			70-130	60-120	100-150	80-120
		淬火钢 HRC=41-48			60-100	50-80	80-130	60-90
		淬火钢 HRC=49-55			40-60	40-60	50-70	40-70
	铸造钢	碳钢及低碳合金钢	200	CP1125,CP2430 CP2630	70-140	70-130	100-180	100-160
		中碳合金钢	250		60-130	60-120	90-170	90-150
	锻造钢	碳钢及低碳合金钢	230	CP1125,CP2430 CP2630	60-130	60-120	100-150	100-130
中碳合金钢		280	60-120		60-110	100-130	100-120	
S 钛合金 Ti alloy	高温合金	退火状态	200	CP2630 CP2430	45-60	40-55	45-65	40-60
		时效状态	280		30-50	30-45	30-55	30-50
		退火状态	250		20-30	20-25	20-35	20-40
		时效状态	350		15-25	15-20	15-30	15-25
	钛合金 采用全磨制槽型	纯钛 (99.5Ti含量) 钛合金α+β	400Rm 1050Rm	CP6125	140-170 50-70	120-160 40-60		
K 铸铁 Cast iron	球墨铸铁	铁素体	130	CP1125 CP2630	100-190	100-180		
		珠光体	230		80-150	80-150		
	灰口铸铁	低拉伸强度	180	CP1125 CP2630	100-160	90-160		
		高拉伸强度	260		100-150	90-150		
	可锻铸铁	铁素体	160	CP1125 CP2630	110-170	110-170		
		珠光体	260		100-120	100-120		
N 有色金属 No metal	铝合金	锻造件及线材	60	CW20	180-280	180-300		
		时效处理	100		100-220	100-220		
	采用全磨制槽型	高硅 (13-22%Si)	130	CP1125,CP2630	80-180	80-180		
	黄铜及青铜	黄铜或青铜	100		100-220	100-220		

本数据经过我公司应用工程师现场测试验证，在一定的范围内具有生产加工参考性。



压制螺纹车刀片-泛螺距

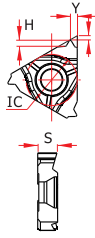
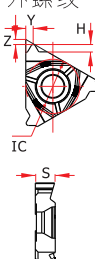
高性能压制
螺纹车削刀片



- 1.特点：自主研发压制槽型，刃口全磨制，齿形精度高，排屑性能好，抗冲击力较强，加工表面光洁度高，规格齐全，通用性极强，性价比极高。
- 2.加工对象及范围：
- CP1125: 通用性极强的材质，不锈钢，钢件及铸铁加工，HRC45-52淬火钢，专业加工双向不锈钢,4XX系不锈钢（俗称不锈钢）和高温合金，VC=40~120m/min。
- CP2430: 高速不锈钢及钢的加工，Vc=80~150/min；特别是锻造不锈钢及4XX不锈钢（不锈钢）及201不锈钢加工；

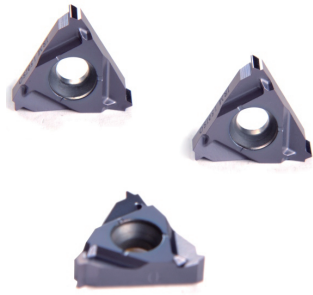
●：连续加工 ●：不规则形状加工 ✱：断续加工 ●：首选；○ 可选

工件材质	P	钢 Steel	✱	✱	
	P	高硬度钢 HRC45-55 Steel	✱	✱	
	M	不锈钢 Stainless steel	✱	✱	
	S	钛合金 Titanium alloy			
	N	有色金属 Nonferrous metal			
	S	耐热合金 Heat-resisting steel	✱	✱	

型号规格												PVD涂层	
图例	右螺纹 RH	左螺纹 LH	螺距 mm	螺距 tpi	尺寸							CP2430	CP1125
					IC	S	Z	Y	R	H min			
	11IRM A60		0.5-1.5	48-16	6.35	3.0	0.8	0.9	0.06	0.97		●	●
	11IRM A55		0.5-1.5	48-16	6.35	3.0	0.8	0.9	0.08	1.14		●	●
	11IRM AG60		1.0-3.0	20-11	6.35	3.0	0.8	1.1	0.07	1.5		●	●
	11IRM AG55		1.0-3.0	20-11	6.35	3.0	0.8	1.1	0.18	1.6		●	●
	16IRM A60		0.5-1.5	48-16	9.53	3.5	0.8	0.9	0.06	0.97		●	●
	16IRM A55		0.5-1.5	48-16	9.53	3.5	0.8	0.9	0.08	1.14		●	●
	16IRM AG60		1.0-3.0	24-11	9.53	3.5	1.2	1.7	0.07	1.9		●	●
	16IRM AG55		1.0-3.0	24-11	9.53	3.5	1.2	1.7	0.15	2.3		●	●
	16IRM G60		1.75-3.0	14-8	9.53	3.5	1.2	1.7	0.13	1.89		●	●
	16IRM G55		1.75-3.0	14-8	9.53	3.5	1.2	1.7	0.26	2.06		●	●
	22IRM N60		3.5-5.0	7-5	12.7	4.7	1.7	2.5	0.25	2.95		●	●
	22IRM N55		3.5-5.0	7-5	12.7	4.7	1.7	2.5	0.5	3.4		●	●
	16ERM A60		0.5-1.5	48-16	9.53	3.5	0.8	0.9	0.07	1.1		●	●
	16ERM A55		0.5-1.5	48-16	9.53	3.5	0.8	1.7	0.08	1.14		●	●
	16ERM AG60		1.0-3.0	24-11	9.53	3.5	1.2	1.7	0.15	2.2		●	●
	16ERM AG55		1.0-3.0	24-11	9.53	3.5	1.2	1.7	0.15	2.3		●	●
	16ERM G60		1.75-3.0	14-8	9.53	3.5	1.2	1.7	0.26	2.06		●	●
	16ERM G55		1.75-3.0	14-8	9.53	3.5	1.2	2.5	0.26	2.06		●	●
	22ERM N60		3.5-5.0	7-5	12.7	4.7	1.7	2.5	0.51	3.36		●	●
	22ERM N55		3.5-5.0	7-5	12.7	4.7	1.7	2.5	0.5	3.4		●	●

压制螺纹车刀片-ISO公制(内)

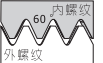
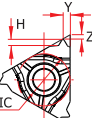
高性能压制
螺纹车削刀片



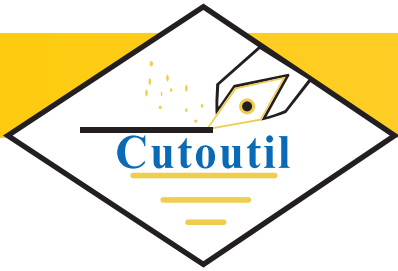
- 1.特点：自主研发压制槽型，刃口全磨制，齿形精度高，排屑性能好，抗冲击力较强，加工表面光洁度高，规格齐全，通用性极强，性价比极高。
- 2.加工对象及范围：
- CP1125: 通用性极强的材质，不锈钢，钢件及铸铁加工，HRC45-52淬火钢，专业加工双向不锈钢,4XX系不锈钢（俗称不锈钢）和高温合金，VC=40~120m/min。
- CP2430: 高速不锈钢及钢的加工，Vc=80~160/min；特别是锻造不锈钢及4XX不锈钢（不锈钢）及201不锈钢加工；

●：连续加工 ●：不规则形状加工 ✱：断续加工 ●：首选；○ 可选

工件材质	P	钢 Steel	✱	✱	
	P	高硬度钢 HRC45-55 Steel	✱	✱	
	M	不锈钢 Stainless steel	✱	✱	
	S	钛合金 Titanium alloy			
	N	有色金属 Nonferrous metal			
	S	耐热合金 Heat-resisting steel	✱	✱	

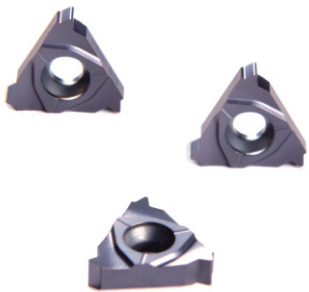
型号规格											PVD涂层		合金
图例	右螺纹 RH	左螺纹 LH	螺距 mm	尺寸					CP2430	CP1125			
				IC	S	Z	Y	H min					
  → → → →	11IRM 050ISO		0.5	6.35	3.0	0.6	0.4	0.29	●	●			
	11IRM 075ISO		0.75	6.35	3.0	0.6	0.6	0.44	●	●			
	11IRM 080ISO		0.80	6.35	3.0	0.6	0.6	0.47	●	●			
	11IRM 100ISO		1.0	6.35	3.0	0.6	0.7	0.57	●	●			
	11IRM 125ISO		1.25	6.35	3.0	0.8	0.9	0.71	●	●			
	11IRM 150ISO		1.5	6.35	3.0	0.8	1.0	0.86	●	●			
	11IRM 175ISO		1.75	6.35	3.0	0.9	1.1	1.00	●	●			
	11IRM 200ISO		2.0	6.35	3.0	0.9	1.1	1.14	●	●			
	16IRM 050ISO		0.5	9.53	3.5	0.6	0.4	0.29	●	●			
	16IRM 075ISO		0.75	9.53	3.5	0.6	0.6	0.44	●	●			
	16IRM 080ISO		0.8	9.53	3.5	0.6	0.6	0.47	●	●			
	16IRM 100ISO		1.0	9.53	3.5	0.6	0.7	0.57	●	●			
	16IRM 125ISO		1.25	9.53	3.5	0.8	0.9	0.71	●	●			
	16IRM 150ISO		1.5	9.53	3.5	0.8	1.0	0.86	●	●			
	16IRM 175ISO		1.75	9.53	3.5	0.9	1.0	1.00	●	●			
	16IRM 200ISO		2.0	9.53	3.5	1.0	1.2	1.14	●	●			
	16IRM 250ISO		2.5	9.53	3.5	1.1	1.4	1.43	●	●			
	16IRM 300ISO		3.0	9.53	3.5	1.1	1.5	1.72	●	●			
	16IRM 350ISO		3.5	9.53	3.5	1.4	1.9	2.00	●	●			
	→ 16IRM 150ISO-CH		1.5	9.53	3.5	0.8	1.0	0.83	●	●			
	→ 16IRM 200ISO-CH		2.0	9.53	3.5	1.0	1.3	1.11	●	●			
	→ 16IRM 250ISO-CH		2.5	9.53	3.5	1.1	1.5	1.40	●	●			
	→ 16IRM 300ISO-CH		3.0	9.53	3.5	1.1	1.5	1.67	●	●			
	22IRM 350ISO		3.5	12.7	4.7	1.6	2.3	2.00	●	●			
	22IRM 400ISO		4.0	12.7	4.7	1.6	2.3	2.48	●	●			
	22IRM 450ISO		4.5	12.7	4.7	1.6	2.3	2.79	●	●			
	22IRM 500ISO		5.0	12.7	4.7	1.6	2.4	3.10	●	●			
	16IRM 100ISO3M		1.0	9.53	3.5	1.8	2.6	0.57	●	●			
	16IRM 150ISO2M		1.5	9.53	3.5	1.6	2.4	0.86	●	●			
	16IRM 200ISO2M		2.0	9.53	3.5	2.1	3.1	1.14	●	●			
	22IRM 150ISO4M		1.5	12.7	4.7	3.2	5.1	0.86	●	●			
	22IRM 200ISO3M		2.0	12.7	4.7	2.1	3.1	1.14	●	●			
	22IRM 250ISO2M		2.5	12.7	4.7	2.5	4.1	1.43	●	●			

→ -CH:为刀片齿顶R加大，但是齿形能够进行通止规检验。



压制螺纹车刀片-ISO公制(外)

高性能压制
螺纹车削刀片



- 1.特点：自主研发压制槽型，刃口全磨制，齿形精度高，排屑性能好，抗冲击力较强，加工表面光洁度高，规格齐全，通用性极强，性价比极高。
- 2.加工对象及范围：
 - CP1125: 通用性极强的材质，不锈钢，钢件及铸铁加工，HRC45-52淬火钢, 专业加工双向不锈钢,4XX系不锈钢（俗称不锈钢铁）和高温合金，VC=40~120m/min。
 - CP2430: 高速不锈钢及钢的加工，Vc=80~150/min; 特别是锻造不锈钢及4XX不锈钢（不锈钢铁）及201不锈钢加工；

●：连续加工 ●：不规则形状加工 ✱：断续加工 ●：首选；○ 可选

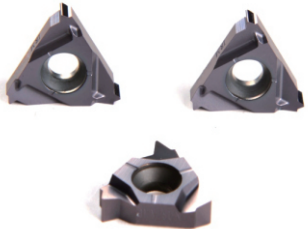
工件材质	P 钢 Steel	✱	✱	
	P 高硬度钢 HRC45-55 Steel	✱	✱	
	M 不锈钢 Stainless steel	✱	✱	
	S 钛合金 Titanium alloy			
	N 有色金属 Nonferrous metal			
	S 耐热合金 Heat-resisting steel			

型号规格										
图例	右螺纹 RH	左螺纹 LH	螺距 mm	尺寸					PVD涂层	合金
				IC	S	Z	Y	Hmin		
	16ERM 050ISO		0.5	9.53	3.5	0.6	0.4	0.31	●	●
	16ERM 060ISO		0.6	9.53	3.5	0.6	0.4	0.37	●	●
	16ERM 070ISO		0.7	9.53	3.5	0.6	0.5	0.43	●	●
	16ERM 075ISO		0.75	9.53	3.5	0.6	0.6	0.47	●	●
	16ERM 080ISO		0.8	9.53	3.5	0.6	0.6	0.50	●	●
	16ERM 100ISO		1.0	9.53	3.5	0.6	0.7	0.62	●	●
	16ERM 125ISO		1.25	9.53	3.5	0.8	0.9	0.78	●	●
	16ERM 150ISO		1.5	9.53	3.5	0.8	1.0	0.93	●	●
	16ERM 175ISO		1.75	9.53	3.5	0.9	1.0	1.09	●	●
	16ERM 200ISO		2.0	9.53	3.5	1.0	1.2	1.24	●	●
	16ERM 250ISO		2.5	9.53	3.5	1.1	1.2	1.55	●	●
	16ERM 300ISO		3.0	9.53	3.5	1.1	1.4	1.86	●	●
	16ERM 350ISO		3.5	9.53	3.5	1.4	1.9	2.17	●	●
	16ERM150ISO-CH		1.5	9.53	3.5	0.8	1.0	0.89	●	●
	22ERM 350ISO		3.5	12.7	4.7	1.6	2.3	2.17	●	●
	22ERM 400ISO		4.0	12.7	4.7	1.6	2.3	2.48	●	●
	22ERM 450ISO		4.5	12.7	4.7	1.6	2.3	2.79	●	●
	22ERM 500ISO		5.0	12.7	4.7	1.6	2.4	3.10	●	●
	16ERM 100ISO3M		1.0	9.53	3.5	1.8	2.6	0.62	●	●
	16ERM 150ISO2M		1.5	9.53	3.5	1.6	2.4	0.93	●	●
	16ERM 200ISO2M		2.0	9.53	3.5	2.1	3.1	1.24	●	●
	22ERM 150ISO4M		1.5	12.7	4.7	3.2	5.1	0.93	●	●
	22ERM 200ISO3M		2.0	12.7	4.7	2.1	3.1	1.24	●	●
	22ERM 250ISO2M		2.5	12.7	4.7	2.5	4.1	1.55	●	●

➡ -CH:为刀片齿顶R加大，但是齿形能够进行通止规检验。

压制螺纹车刀片-UN美制(内)

高性能压制
螺纹车削刀片

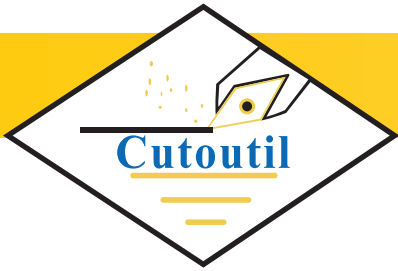


- 1.特点：自主研发压制槽型，刃口全磨制，齿形精度高，排屑性能好，抗冲击力较强，加工表面光洁度高，规格齐全，通用性极强，性价比极高。
- 2.加工对象及范围：
 - CP1125: 通用性极强的材质，不锈钢，钢件及铸铁加工，HRC45-52淬火钢, 专业加工双向不锈钢,4XX系不锈钢（俗称不锈钢铁）和高温合金，Vc=40~120m/min。
 - CP2430: 高速不锈钢及钢的加工，Vc=80~150m/min; 特别是锻造不锈钢及4XX不锈钢（不锈钢铁）及201不锈钢加工；

●：连续加工 ●：不规则形状加工 ✱：断续加工 ●：首选；○ 可选

工件材质	P 钢 Steel	✱	✱	
	P 高硬度钢 HRC45-55 Steel	✱	✱	
	M 不锈钢 Stainless steel	✱	✱	
	S 钛合金 Titanium alloy			
	N 有色金属 Nonferrous metal			
	S 耐热合金 Heat-resisting steel			

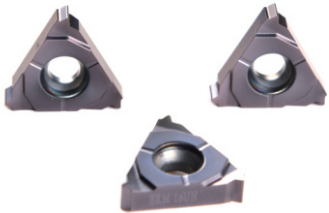
型号规格												
图例	右螺纹 RH	左螺纹 LH	螺距 tpi	尺寸					PVD涂层	合金	CP2430	CP1125
				IC	S	Z	Y	Hmin				
	11IRM 32UN		32	6.35	3.0	0.6	0.6	0.45			●	●
	11IRM 28UN		28	6.35	3.0	0.6	0.7	0.52			●	●
	11IRM 24UN		24	6.35	3.0	0.7	0.8	0.61			●	●
	11IRM 20UN		20	6.35	3.0	0.8	0.9	0.73			●	●
	11IRM 18UN		18	6.35	3.0	0.8	1.0	0.81			●	●
	11IRM 16UN		16	6.35	3.0	0.9	1.1	0.91			●	●
	11IRM 14UN		14	6.35	3.0	0.9	1.1	1.04			●	●
	11IRM 12UN		12	6.35	3.0	0.9	1.1	1.22			●	●
	16IRM 48UN		48	9.53	3.5	0.6	0.4	0.30			●	●
	16IRM 40UN		40	9.53	3.5	0.6	0.5	0.36			●	●
	16IRM 36UN		36	9.53	3.5	0.6	0.6	0.40			●	●
	16IRM 32UN		32	9.53	3.5	0.6	0.6	0.45			●	●
	16IRM 28UN		28	9.53	3.5	0.6	0.7	0.52			●	●
	16IRM 24UN		24	9.53	3.5	0.7	0.8	0.61			●	●
	16IRM 20UN		20	9.53	3.5	0.8	0.9	0.73			●	●
	16IRM 18UN		18	9.53	3.5	0.8	1.0	0.81			●	●
	16IRM 16UN		16	9.53	3.5	0.9	1.0	0.91			●	●
	16IRM 14UN		14	9.53	3.5	0.9	1.2	1.04			●	●
	16IRM 13UN		13	9.53	3.5	1.0	1.3	1.13			●	●
	16IRM 12UN		12	9.53	3.5	1.1	1.3	1.22			●	●
	16IRM 11UN		11	9.53	3.5	1.1	1.3	1.33			●	●
	16IRM 10UN		10	9.53	3.5	1.1	1.3	1.46			●	●
	16IRM 9UN		9	9.53	3.5	1.1	1.7	1.63			●	●
	16IRM 8UN		8	9.53	3.5	1.1	1.7	1.81			●	●
	22IRM 7UN		7	12.7	4.7	1.6	2.3	2.09			●	●
	22IRM 6UN		6	12.7	4.7	1.6	2.3	2.42			●	●
	22IRM 5UN		5	12.7	4.7	1.6	2.3	2.93			●	●



压制螺纹车刀片-UN美制(外)

高性能压制
螺纹车削刀片

- 1.特点: 自主研发压制槽型, 刃口全磨制, 齿形精度高, 排屑性能好, 抗冲击力较强, 加工表面光洁度高, 规格齐全, 通用性极强, 性价比极高。
- 2.加工对象及范围:
- CP1125: 通用性极强的材质, 不锈钢, 钢件及铸铁加工, HRC45-52淬火钢, 专业加工双向不锈钢,4XX系不锈钢(俗称不锈钢)和高温合金, VC=40~120m/min。
- CP2430: 高速不锈钢及钢的加工, VC=80~150m/min; 特别是锻造不锈钢及4XX不锈钢(不锈钢)及201不锈钢加工;



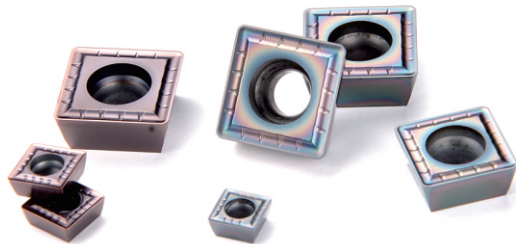
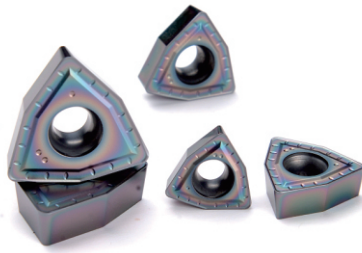
●: 连续加工 ●: 不规则形状加工 ✱: 断续加工 ●: 首选; ○ 可选

工件材质	P 钢 Steel	✱	✱	
	P 高硬度钢 HRC45-55 Steel	✱	✱	
	M 不锈钢 Stainless steel	✱	✱	
	S 钛合金 Titanium alloy			
	N 有色金属 Nonferrous metal			✱
	S 耐热合金 Heat-resisting steel	✱	✱	

型号规格											PVD涂层		合金
图例	右螺纹 RH	左螺纹 LH	螺距 tpi	尺寸					CP2430	CP1125			
				IC	S	Z	Y	Hmin					
	16ERM 48UN		48	9.53	3.5	0.6	0.4	0.32		●	●		
	16ERM 40UN		40	9.53	3.5	0.6	0.5	0.39		●	●		
	16ERM 36UN		36	9.53	3.5	0.6	0.6	0.43		●	●		
	16ERM 32UN		32	9.53	3.5	0.6	0.6	0.48		●	●		
	16ERM 28UN		28	9.53	3.5	0.6	0.7	0.55		●	●		
	16ERM 24UN		24	9.53	3.5	0.7	0.8	0.65		●	●		
	16ERM 20UN		20	9.53	3.5	0.8	0.9	0.79		●	●		
	16ERM 18UN		18	9.53	3.5	0.8	1.0	0.86		●	●		
	16ERM 16UN		16	9.53	3.5	0.9	1.0	0.97		●	●		
	16ERM 14UN		14	9.53	3.5	0.9	1.2	1.11		●	●		
	16ERM 13UN		13	9.53	3.5	1.0	1.3	1.19		●	●		
	16ERM 12UN		12	9.53	3.5	1.1	1.3	1.29		●	●		
	16ERM 11UN		11	9.53	3.5	1.1	1.3	1.41		●	●		
	16ERM 10UN		10	9.53	3.5	1.1	1.3	1.55		●	●		
	16ERM 09UN		9	9.53	3.5	1.1	1.7	1.72		●	●		
	16ERM 08UN		8	9.53	3.5	1.1	1.7	1.94		●	●		
	22ERM 07UN		7	12.7	4.7	1.6	2.3	2.21		●	●		
	22ERM 06UN		6	12.7	4.7	1.6	2.3	2.58		●	●		
22ERM 05UN		5	12.7	4.7	1.7	2.5	3.11		●	●			

WC,SP 圆快速钻头刀片

各类金属材料
快速钻削加工



- 1.特点:
- 全新的设计理念, 提升母材性能, 搭配重新调整设计涂层, 采用磨制周边的G级精度刀片, 大大提升了刀片的稳定性和寿命。
- 2.加工对象及范围:
- CP2130: 钢及不锈钢的低速孔加工, Vc=50~150/min;
- CP2430: 钢和不锈钢的高速孔加工, Vc=80~200/min;
- 通用材质 加工软钢及高温合金性能俱佳;
- CP6125: 钛合金加工专用;

3.WC和住友互换,SP和特固克通装。

WC,SP Insert

- 1.Feature:
All new designing concept,improving substrate performance, coordinating with re-designed coating, adopting ground G class accuracy insert, extremely improved insert stability and lifetime.
- 2.Application:
CP2130: For steel & stainless steel hole-making with low speed, Vc=50~150m/min.
CP2430: For steel & stainless steel hole-making with high speed, Vc=80~200m/min.
Also good at mild steel and high temp alloy.
CP6125: Special grade for titanium alloy.
- 3.WC= Sumitomo WC
SP= TaeguiTec SP

●: 连续加工 ●: 不规则形状加工 ✱: 断续加工 ●: 首选; ○ 可选

工件材质	P 模具钢, 淬火钢及铸铁加工	M 不锈钢	S 钛合金, 可伐合金	N 有色金属	S 耐热合金	K 铸铁	PVD涂层						金属陶瓷	硬质合金
							CP2130	CP2430	CP2630	CP6125	CT20	CW20		
型号规格														
WC快速钻刀片														
WCGX030208-DG														
WCGX040208-DG														
WCGX050308-DG														
WCGX06T308-DG														
WCGX080412-DG														
SP快速钻刀片														
SPMG050204-DG														
SPMG060204-DG														
SPMG07T308-DG														
SPMG090408-DG														
SPMG110408-DG														
SPMG140508-DG														
SPGT050204-DG														
SPGT060204-DG														
SPGT07T308-DG														
SPGT090408-DG														
SPGT110408-DG														
SPGT140508-DG														

RP(C,D)圆铣刀片

各类金属材料
R圆形刀片铣削加工

志在超越
Aiming at transcendence



- 1.特点:
全新的设计理念,提升母材性能,搭配重新调整设计涂层,带来通用性极强的铣刀片。
- 2.加工对象及范围:
CP2130: 难加工不锈钢的半精加工和精加工, Vc=50~150/min;
CP2430: 不锈钢的高速半精加工和精加工, Vc=120~260/min;
特别是锻造不锈钢加工, 加工软钢及高温合金性能俱佳;
CP2630: 广泛地用于**模具钢**加工, 从软钢到热处理淬火钢一款完成,
加工硬度达到HRC60, Vc=50-200m/min;且兼容加工不锈
通用材质 铁和高温合金加工;
CP6125: **钛合金**加工专用;

●: 连续加工 ●: 不规则形状加工 ✱: 断续加工 ●: 首选; ○ 可选

工件材质	P 模具钢, 淬火钢及铸钢加工	✱	✱	✱			
	M 不锈钢	✱	✱	✱			
	S 钛合金, 可伐合金		G	✱	✱		
	N 有色金属						
	S 耐热合金		●	✱	✱		
	K 铸铁			✱			
型号规格		PVD涂层				金属陶瓷	硬质合金
		CP2130	CP2430	CP2630	CP6125	CT20	CW20
模具钢,淬火钢							
RPEW0702MO				●			
RPKW0802MO				●			
RPMW1003MO(模胚加工)				●			
RPKW1003MO-ST				●			
RDMW10T3MO (HITACHI同款)				●			
RPKW1204MO-ST				●			
RPMT1204MO-JS (MICHIBISHI同款)		○		●			
RPMW1204MO(模胚加工)				●			
RDMW1204MO (HITACHI同款)				●			
RDMW1605MO (MICHIBISHI同款)				●			
RCMX1606MO				●			
不锈钢,不锈铁及高温合金, 钛合金, 铝合金							
RPKW1003MO-ST				●			
RPKW1204MO-ST				●			
RPHT0802MO-SF		○	●	●	●		●
RPHT10T3MO-SF		○	●	●	●		●
RPHT1204MO-SF		○	●	●	●		●
铸铁 (球墨,镍基铸铁,灰口铸铁)							
RPKW1003MO				●			
RPKW1204MO				●			
RCMW1606MO				●			

重点推荐槽型, 质量优异, 通用性极强。

APM(H)T 铣刀片

各类金属材料
AP方阶铣削加工

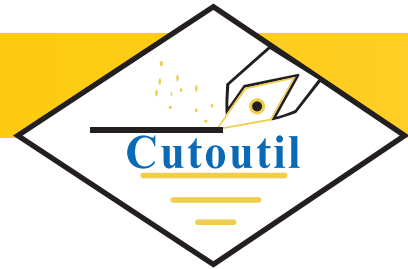
志在超越
Aiming at transcendence



- 1.特点:
全新的设计理念,提升母材性能,搭配重新调整设计涂层,带来通用性极强的铣刀片。
- 2.加工对象及范围:
CP2130: 难加工不锈钢的半精加工和精加工, Vc=50~150/min;
CP2430: 不锈钢的高速半精加工和精加工, Vc=120~240/min;
特别是锻造不锈钢加工, 加工软钢及高温合金性能俱佳;
CP2630: 广泛地用于**模具钢**加工, 从软钢到热处理淬火钢一款完成,
加工硬度达到HRC60, Vc=50-200m/min;且兼容加工不锈
通用材质 铁和高温合金加工;
CP6125: **钛合金**加工专用;

●: 连续加工 ●: 不规则形状加工 ✱: 断续加工 ●: 首选; ○ 可选

工件材质	P 模具钢, 淬火钢及铸钢加工	✱	✱	✱			
	M 不锈钢	✱	✱	✱			
	S 钛合金, 可伐合金		G	✱	✱		
	N 有色金属						
	S 耐热合金		●	✱	✱		
	K 铸铁			✱			
型号规格		PVD涂层				金属陶瓷	硬质合金
		CP2130	CP2430	CP2630	CP6125	CT20	CW20
模具钢,淬火钢							
APMT1135PDER-M2 (三菱同款)		○	●	●			
APMT1135PDER-ST (三菱H2同款)				●			
APMT1135PDTR (杜龙卡普同款)				●			
APMT1604PDER-M2 (三菱同款)		○	●	●			
APMT1604PDER-ST (三菱H2同款)				●			
APMT1605PDTR (杜龙卡普同款)				●			
不锈钢,不锈铁及高温合金							
APMT1135PDER-M2		○	●	●			
APMT1604PDER-M2		○	●	●			
铝合金及有色金属							
APHT1135PDFR-AL							●
APHT1604PDFR-AL							●
铸铁							
APMT1135PETR-ST				●			
APMT1604PETR-ST				●			
钛合金							
APHT1135PDFR					●		
APHT1604PDFR					●		

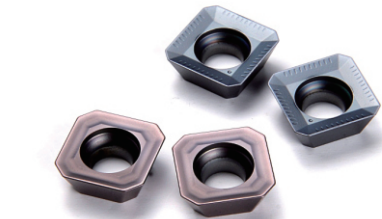


S□□T 四方铣刀片

各类金属材料
四方刀片铣削加工



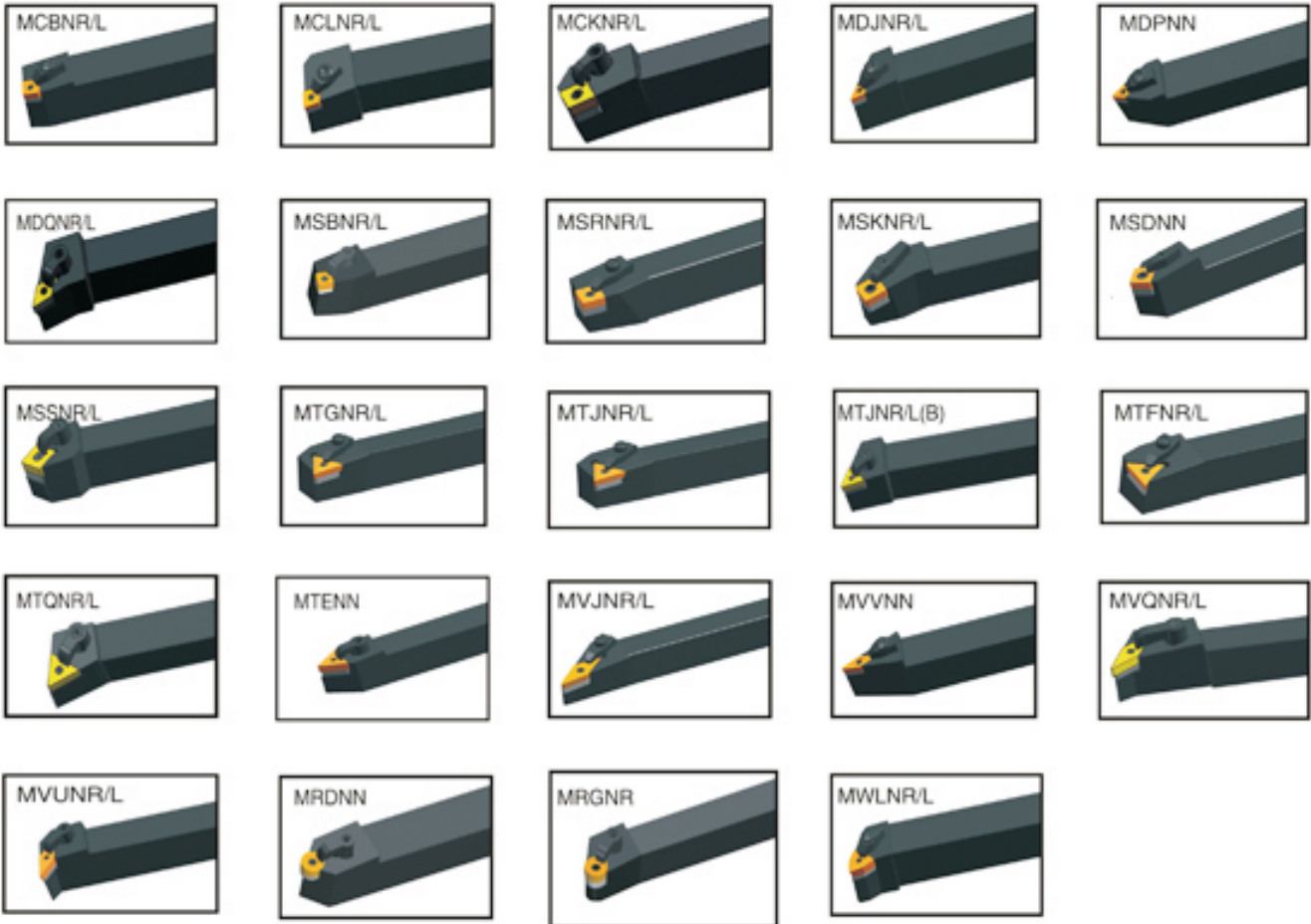
- 1.特点:
全新的设计理念,提升母材性能,搭配重新调整设计涂层,带来通用性极强的铣刀片。
- 2.加工对象及范围:
- CP2130: 难加工不锈钢的半精加工和精加工, Vc=50~150/min;
- CP2430: 不锈钢的高速半精加工和精加工, Vc=120~240/min;
特别是锻造不锈钢加工, 加工软钢及高温合金性能俱佳;
- CP2630: 广泛地用于模具钢加工, 从软钢到热处理淬火钢一款完成,
加工硬度达到HRC60, Vc=50-200m/min;且兼容加工不锈钢和高温合金加工;
- CP6125: 钛合金加工专用;



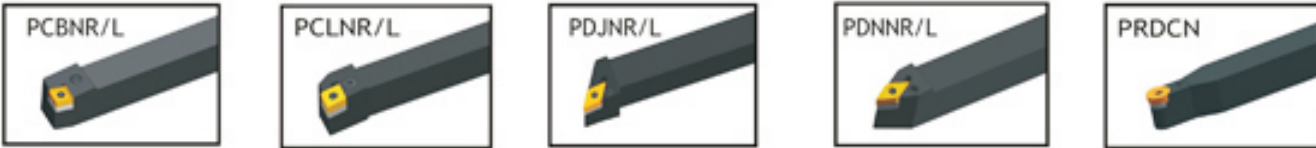
●：连续加工 ●：不规则形状加工 ⚙：断续加工		●：首选 ○：可选					
工 件 材 质	P 模具钢、淬火钢及铸铁加工	⚙	⚙	⚙			
	M 不锈钢	⚙	⚙	⚙			
	S 钛合金、可伐合金			G	⚙	⚙	
	N 有色金属						
	Si 耐热合金			⚙	⚙	⚙	
	K 铸铁			⚙			
型号规格		PVD涂层				金属陶瓷	硬质合金
		CP2130	CP2430	CP2630	CP6125	CT20	CW20
模具钢,淬火钢							
SEET12T3PER		○	●	●			
SDMT1505ZDTN-R15		○		●			
SEKT1204AFEN-11			●	●			
SEKT1204AFSN				●			
不锈钢,不锈钢及高温合金							
SEET12T3PER		○	○	●	●		
SEKT1204AFEN-11		○	○	●	●		
铝合金及有色金属							
SEHT1204AFFN-AL							●
铸铁							
SEET12T3PER				●			
SDMT1505ZDTN-R15				●			
SEKT1204AFSN				●			
钛合金							
SEHT1204AFFN					●		

车削刀具 TURNING TOOLS

M类 复合压紧式



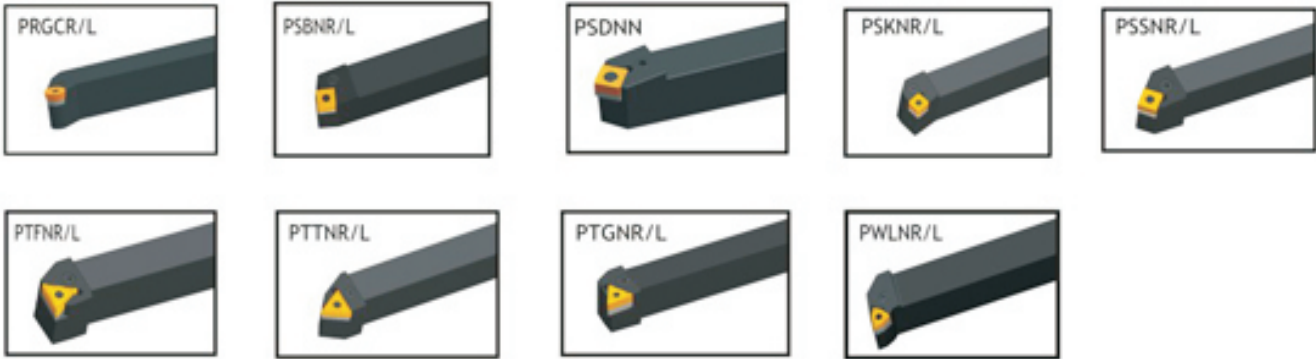
P类 拉杆压紧式 Hopple clamping



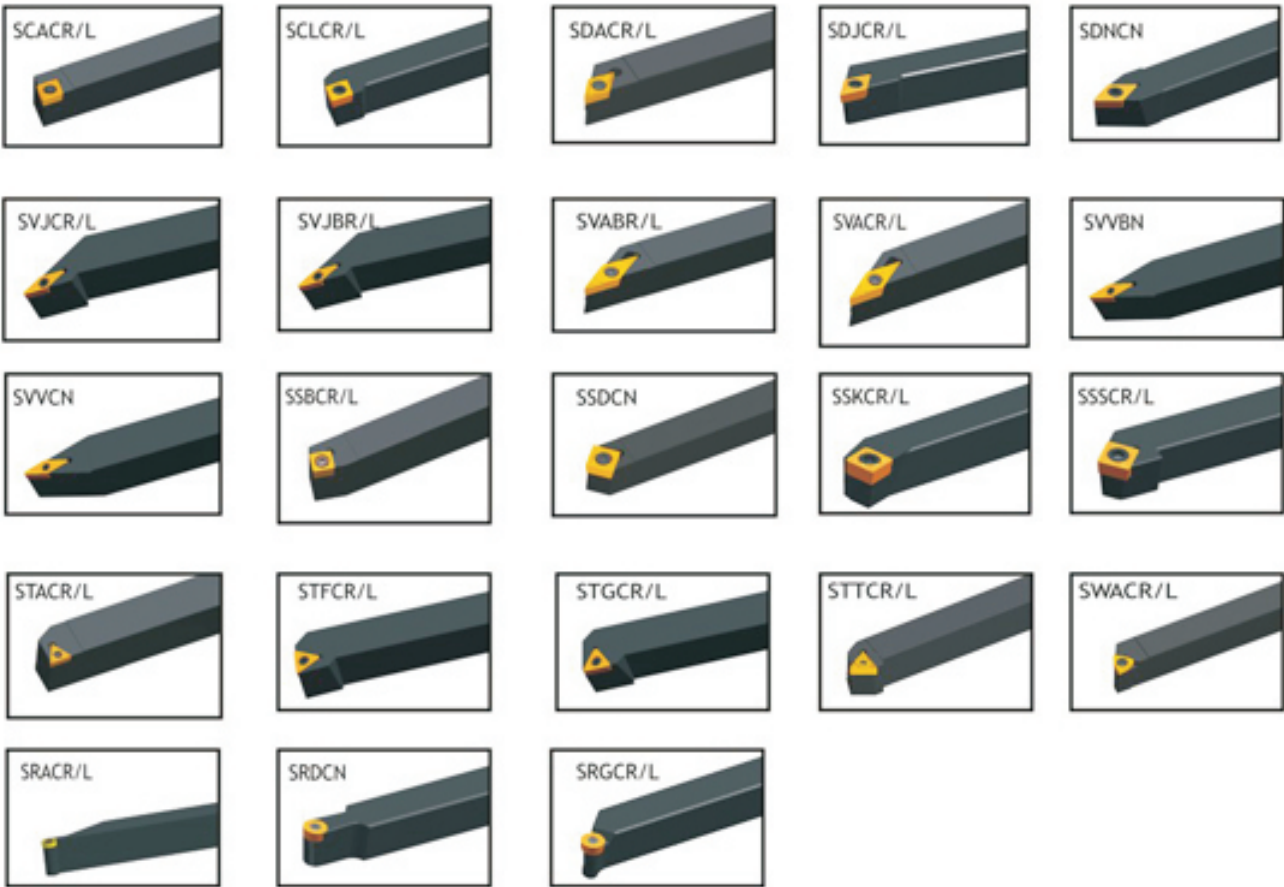


车削刀具 TURNING TOOLS

P类 复合压紧式 Hople clamping

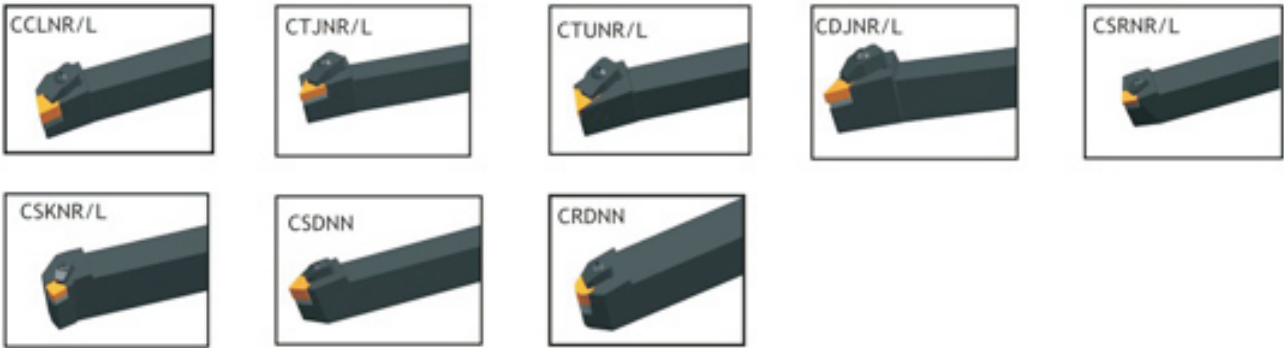


S类 螺钉压紧式 Screw on



车削刀具 TURNING TOOLS

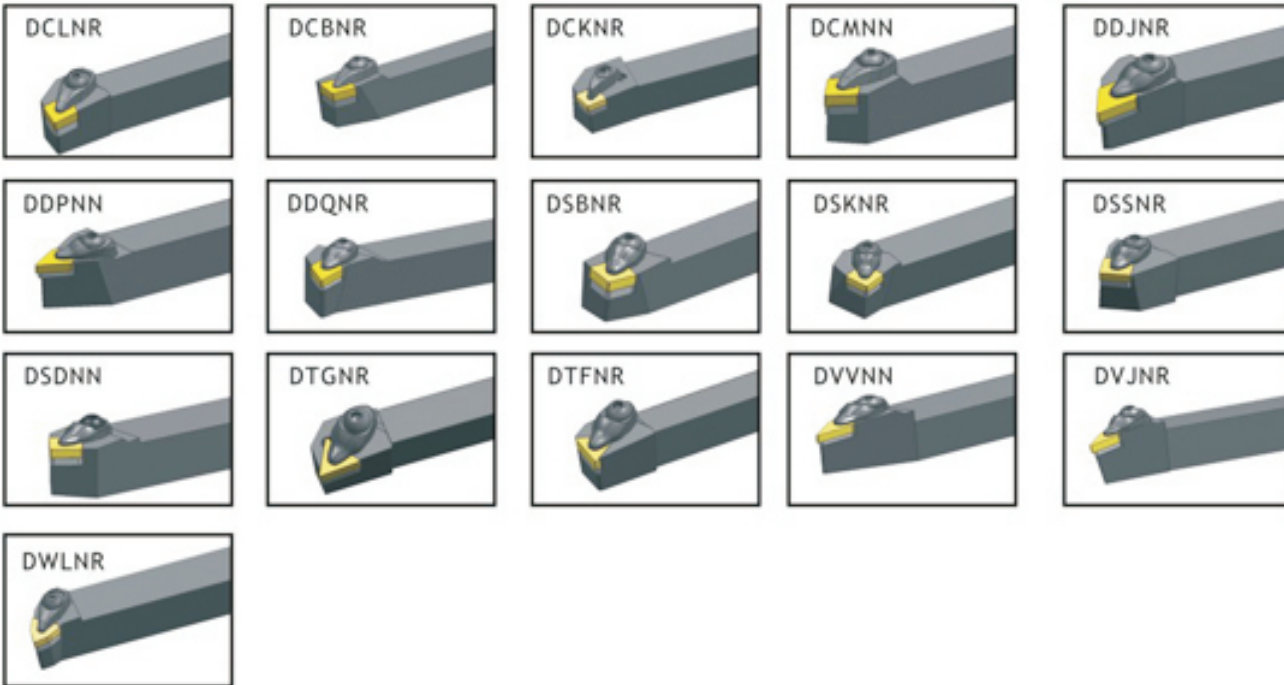
C类 压板压紧式 Top clamping



W型 压紧式 Wedge clamping



D型 压紧式 Wedge clamping

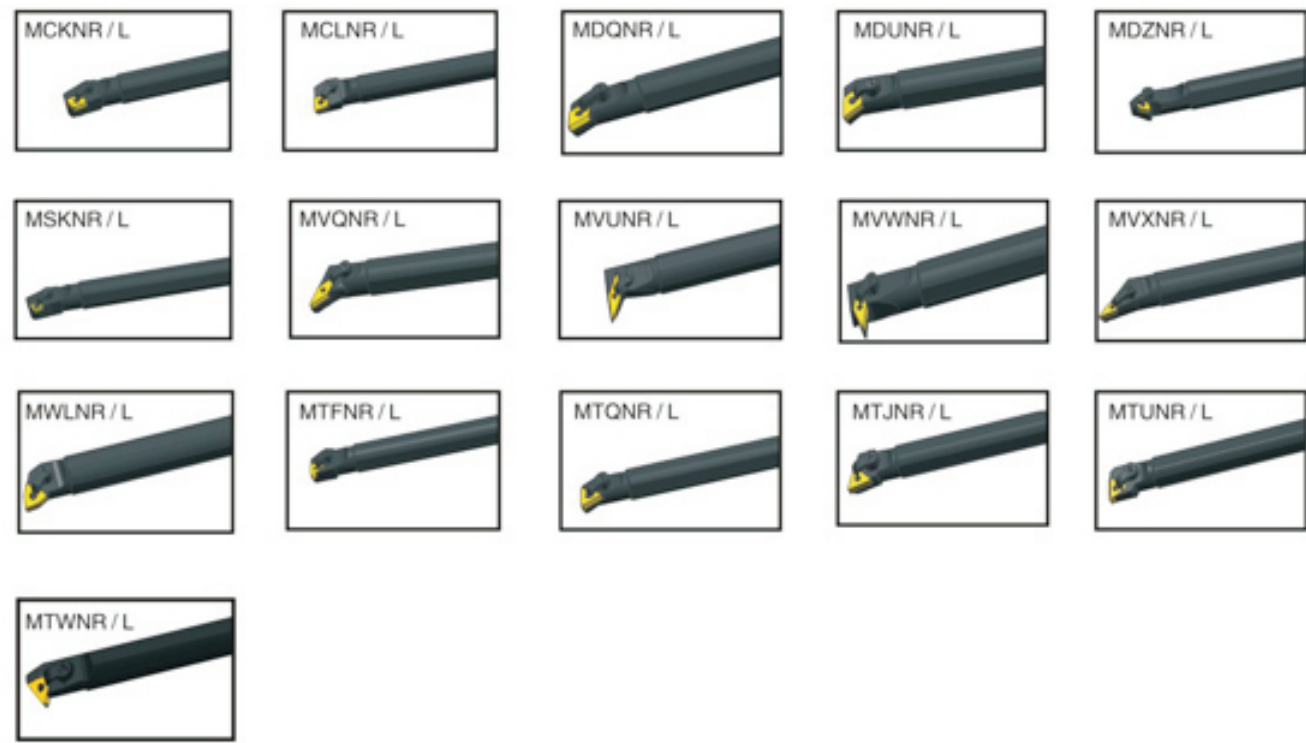




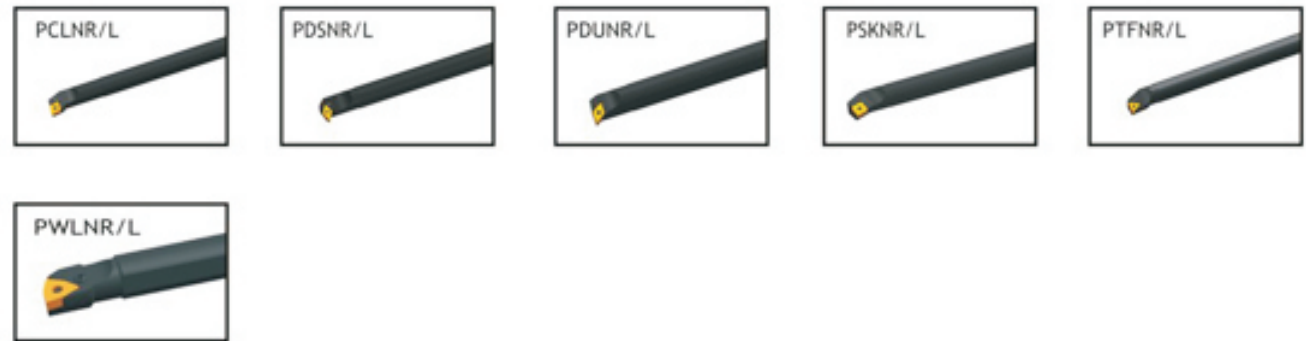
车削刀具 TURNING TOOLS

内孔车刀 Internal toolholders

M类 复合压紧式 Top and hole clamping



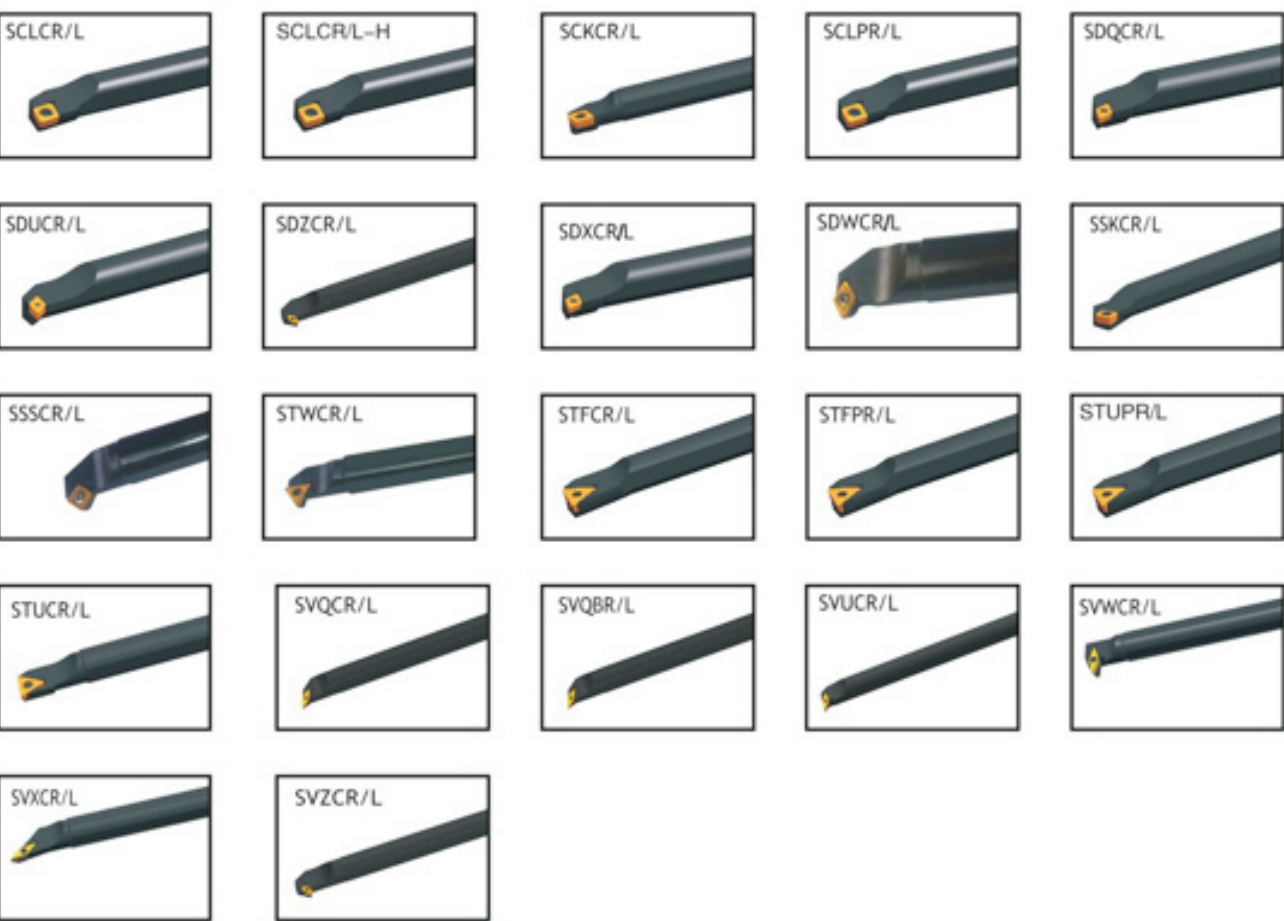
P类 杠杆压紧式 Hole clamping



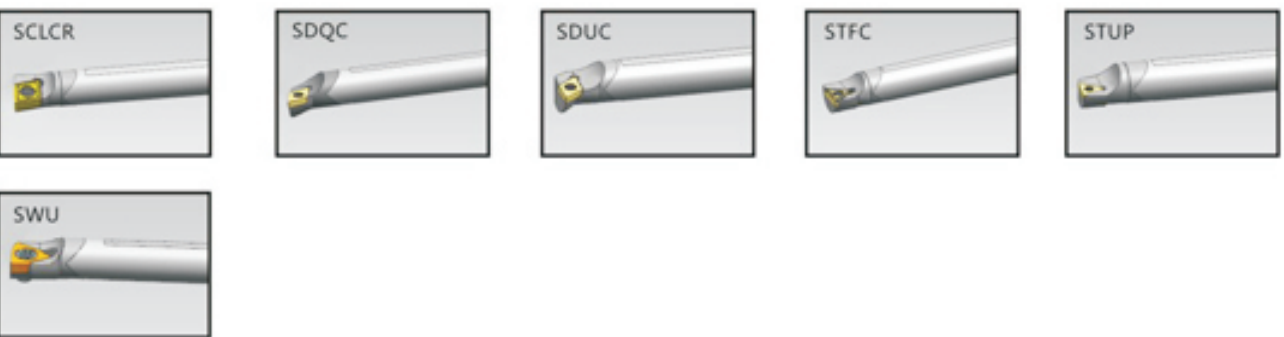
车削刀具 TURNING TOOLS

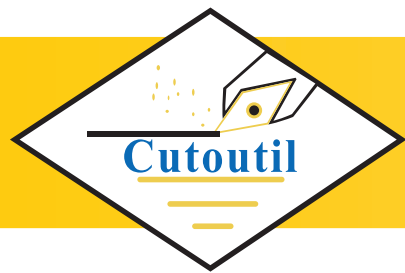
内孔车刀 Internal toolholders

S类 螺钉压紧式 Screw on



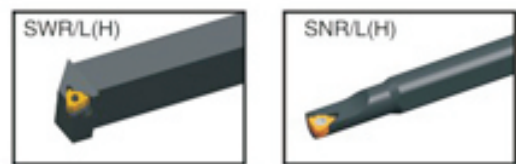
S类 钨铜内孔车刀 Carbide Boring Bar



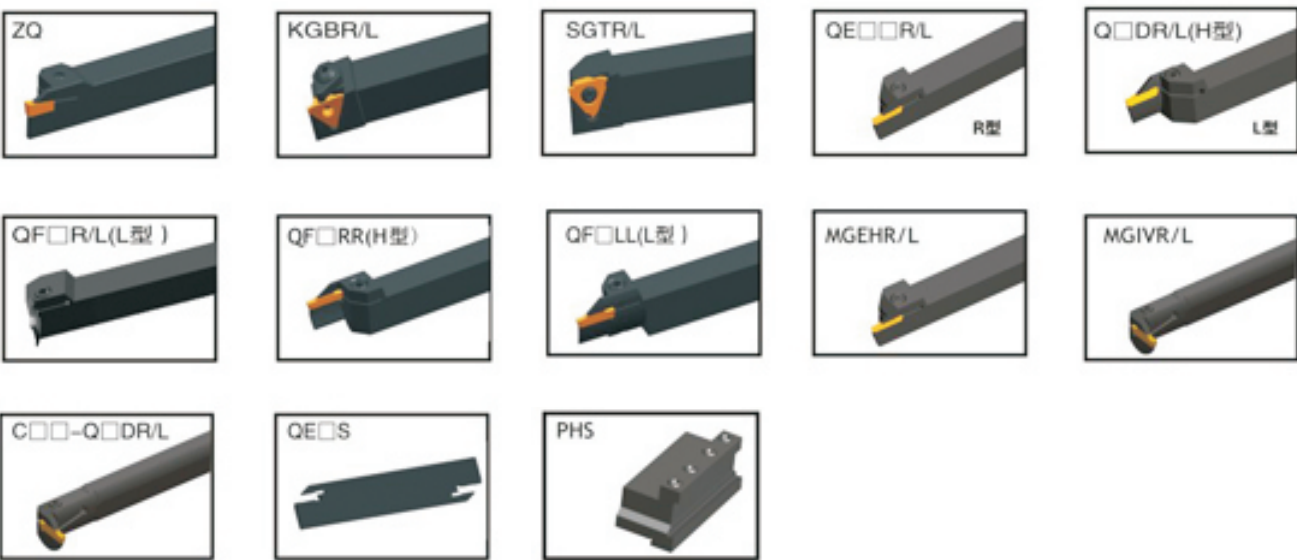


车削刀具 TURNING TOOLS

螺纹车削刀具 Threading tools



外圆、端面切断切槽刀具 External Parting, Surface Grooving Tools



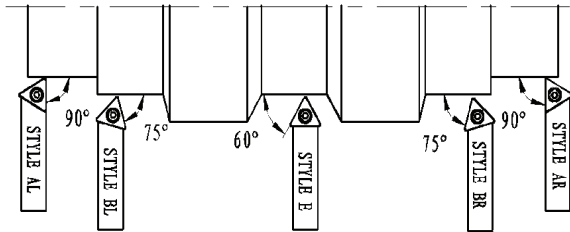
Hanvi Metal Carbide Tools Co.,Limited					
Quotation for Carbide boring bar					
No.	Description	Unit Price(USD)	Description	Unit Price(USD)	Length
1	C05H-S**	\$22.50	E05H-S**	\$26.60	L=100mm
2	C06J-S**	\$22.50	E06J-S**	\$26.60	L=110mm
3	C07K-S**	\$25.00	E07K-S**	\$29.13	L=125mm
4	C08K-S**	\$27.50	E08K-S**	\$29.13	L=125mm
5	C10P-S**	\$37.50	E10M-S**	\$43.07	L=170mm
6	C12Q-S**	\$50.00	E12Q-S**	\$55.73	L=180mm
7	C16R-S**	\$78.75	E16R-S**	\$86.13	L=200mm
8	C20S-S**	\$156.25	E20S-S**	\$164.67	L=250mm
Remark	1、 Above are net price . C --carbide shank without coolant E---carbide shank with coolant				
	2、 Normally,Production time is 30days				
	3. Contact Email :sales@hanvitools.com Skype : hwei1988280				





Mini 5PC Indexable Carbide Turning Tool Set

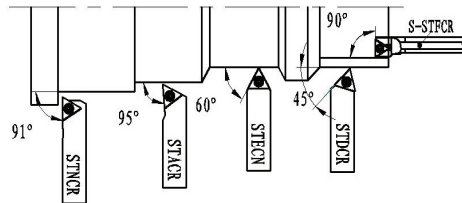
Including 1pc each of AR,AL,BR,BL,E turning tool holder,**5pc spare screws and 2pc wrenchs.**
Suitable for varied chamfering,v-grooving, external turning and end turning.
Equipped carbide inserts for Semi-finishing/roughing machining of steel.
Packed in perfect aluminium case or wooden case.



Shank	Insert	Screw	Wrench	ORDER NO. (insert with TiN coating)	Price(USD/SET)
6MM	TCMT090204	M2.2*6	T6	HV02-06Tin	
8MM				HV02-08Tin	
10MM	TCMT110204	M2.5*6	T8	HV02-10Tin	
12MM	TCMT16T304	M4*10	T15	HV02-12Tin	
16MM				HV02-16Tin	
20MM				HV02-20Tin	

4+1 5PC Indexable Carbide Turning Tool Set

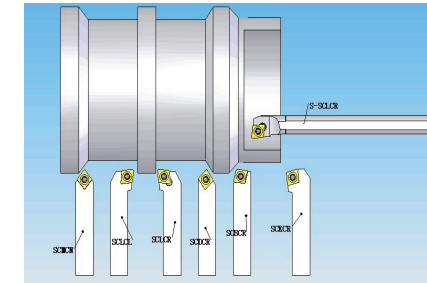
Including 1pc each of STACR,STDCR,STNCR,STECN external turning holder,1pc S-STFCR internal boring bar and suitable wrench.
Suitable for varied external/internal turning.
Equipped carbide inserts for Semi-finishing/roughing machining of steel.
Packed in perfect aluminium case or wooden case.



Shank	Insert	Screw	Wrench	ORDER NO. (insert with TiN coating)	Price(USD/SET)
8MM	TCMT090204	M2.2*6	T6	HV03-08Tin	
10MM	TCMT090204	M2.2*6	T6	HV03-10Tin	
	TCMT110204	M2.5*6	T8		
12MM	TCMT110204	M2.5*6	T8	HV03-12Tin	
16MM				HV03-16Tin	
20MM	TCMT16T304	M4*10	T15	HV03-20Tin	

6+1 7PC Indexable Carbide Turning Tool Set

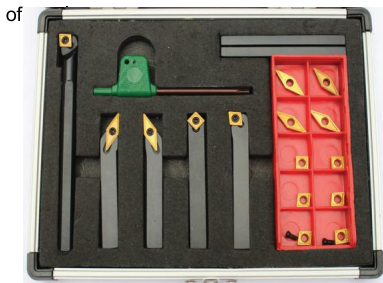
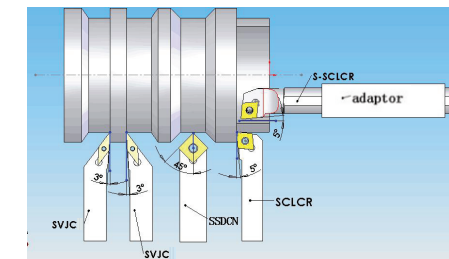
Including 1pc each of SCLCR,SCDCR,SCBCR,SCKCR,SCLCL,SCMCN external turning holder,1pc S-SCLCR internal boring bar and suitable wrench.
Suitable for varied external/internal turning.
Equipped carbide inserts for Semi-finishing/roughing machining of steel.
Packed in perfect aluminium case or wooden case.



Shank	Insert	Screw	Wrench	ORDER NO. (insert with TiN coating)	Price(USD/SET)
6MM	CCMT060204	M2.5*6	T8	HV04-06Tin	
8MM				HV04-08Tin	
10MM				HV04-10Tin	
12MM				HV04-12Tin	
16MM	CCMT09T304	M4*10	T15	HV04-16Tin	
20MM				HV04-20Tin	

4+2 6PC Indexable Carbide Turning Tool Set

Including 1pc each of SVJCR,SVJCL,SCLCR,SSDCN external turning holder,1pc S-SCLCR internal boring bar,1pc adaptor for internal boring bar, 10pc Tin-coated inserts and suitable wrench.
Suitable for varied external/internal turning.
Equipped carbide inserts for Semi-finishing/roughing machining of steel.
Packed in perfect aluminium case or wooden case.

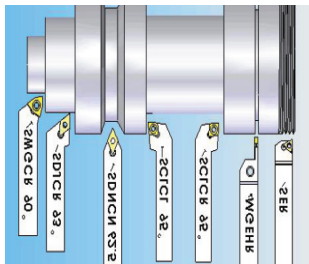


Shank	Insert	Screw	Wrench	ORDER NO. (insert with TiN coating)	Price(USD/SET)
8MM	VCMT110204 CCMT060204 SCMT060204	M2.5*6	T8	HV-08Tin	
10MM				HV-10Tin	
12MM				HV12Tin	
16MM	VCMT160404 CCMT09T304 SCMT09T304	M4*10	T15	HV-16Tin	



New 7PC Indexable Carbide Turning Tool Set

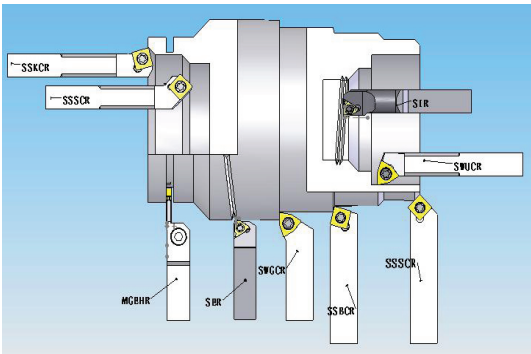
Including 1pc each of SCLCR,SCLCL,SDJCR.SDNCN.SWGCR external turning holder,1pc MGEHR grooving holder,1pc SER threading holder and suitable wrench.
Suitable for varied turning,grooving and threading.
Equipped carbide inserts for Semi-finishing/roughing machining of steel.
Packed in perfect aluminium case or wooden case.



Shank	Insert	Screw	Wrench	ORDER NO. (insert with TiN coating)	Price(USD/SET)
6MM	CCMT060204 DCMT070204 WCMT050308	M2.5*6 M3*8	T8 T10 S3	HV05-06Tin	
8MM	08ER A60 MGMN200	GB70-85 M4*12		HV05-08Tin	
10MM	CCMT060204 DCMT070204 WCMT050308	M2.5*6 M2.5*8	T8 S3	HV05-10Tin	
12MM	11ER A60 MGMN200	GB70-85 M4*12		HV05-12Tin	
16MM	CCMT09T304 DCMT11T304 WCMT06T304	M4*10 M3.5*10	T15 T15+S3.5 S5	HV05-16Tin	
20MM	16ER AG60 MGMN300	GB70-85-M6*20		HV05-20Tin	

New 9PC Indexable Carbide Turning Tool Set

Including 1pc each of SSBCR,SSSCR,SWGCR external turning holder,1pc each of S-SSKCR,S-SSSCR,S-SWUCR internal boring bar(square shank),1pc MGEHR grooving holder,1pc SER external threading holder,1pc SIR interanl threading holder and suitable wrench.
Suitable for varied grooving,external/internal turning and threading.
Equipped carbide inserts for Semi-finishing/roughing machining of steel.
Packed in perfect aluminium case or wooden case.



Shank	Insert	Screw	Wrench	ORDER NO. (insert with TiN)	Price(USD/SET)
8MM	SCMT060204 WCMT050308 11IR A60 11ER A60 MGMN200	M2.5*6 M2.5*8 M3*8 GB70-85 M4*12	T8 T10 S3	HV07-08C Tin	
10MM	SCMT060204 SCMT09T304 WCMT06T304 11IR A60 11ER A60 MGMN200	M2.5*6 M2.5*8 M4*10 GB70-85 M4*12	T8 T15 S3	HV07-10C Tin	
12MM	SCMT09T304 WCMT06T304 11IR A60 11ER A60 MGMN200	M2.5*6 M2.5*8 M4*10 GB70-85 M4*12	T8 T15 S3	HV07-12C Tin	
16MM	SCMT09T304 WCMT06T304 16IR AG60 16ER AG60 MGMN300	M3.5*8 M3.5*10 M4*10 GB70-85-M6*20	T15+S3.5 S5	HV07-16C Tin	



Indexable Carbide Boring Bar Set(S-STFCR,Kr=90°)

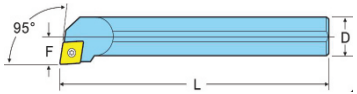
Suitable for varied internal turning.
Equipped carbide inserts for Semi-finishing/roughing machining of steel.
Packed in perfect aluminium case or wooden case.



Shank	Min Bore	F	Length	Insert	Screw	Wrench
8MM	11	6	100	TCMT110204	M2. 5*6	T8
10MM	13	7	125			
12MM	16	9	150			
16MM	20	11	200			
20MM	25	13	250	TCMT16T304	M4*10	T15
Sets:	Include		ORDER NO. (insert with TiN coating)		Price(USD/SET)	
SET3: 5pcs	8、10、12、16、20MM		HV16-2Tin			

Indexable Carbide Boring Bar Set(S-SCLCR,Kr=95°)

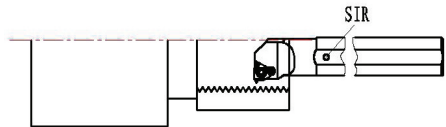
Suitable for varied internal turning.
Equipped carbide inserts for Semi-finishing/roughing machining of steel.
Packed in perfect aluminium case or wooden case.



Shank	Min Bore	F	Length	Insert	Screw	Wrench
8MM	11	6	100	CCMT060204	M2. 5*6	T8
10MM	13	7	125			
12MM	16	9	150			
16MM	20	11	200	CCMT09T304	M4*10	T15
20MM	25	13	250			
Sets:	Include		ORDER NO. (insert with TiN coating)		Price(USD/SET)	
SET3: 5pcs	8、10、12、16、20MM		HV19-2Tin			

5PC Indexable Carbide Internal Threading Tool Holder Set

Including 1pc each of 8、10、12、16、20mm internal threading tool holder(with insert) and suitable wrench.
Suitable for varied pitch internal threading.
Equipped carbide inserts for Semi-finishing/roughing machining of steel.
Packed in perfect aluminium case or wooden case.



Shank	Insert	Screw	Wrench	ORDER NO. insert with TiN	Price(USD/SET)
8MM	08IR A60	M2.5*6	T6	HV30-1Tin	
10MM	11IR A60				
12MM					
16MM	16IR AG60	M3.5*10	T15+S3.5		
20MM					

Cut-off Grooving Set

Including 1pc block(SLTBN)、1pc blade(NCIH)、10pc inserts(GTN) and suitable wrench.
Suitable for varied grooving.
Equipped carbide inserts for Semi-finishing/roughing machining of steel.
Packed in perfect aluminium case or wooden case.

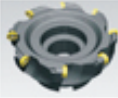


Shank	Block	Blade	Insert	Insert Width	ORDER NO. (insert with TiN coating)	Price(USD/SET)
6MM	SLTBN06	NCIH19-2	GTN-2	2.2	HV32-6-6Tin	
8MM	SLTBN08				HV32-6-8Tin	
10MM	SLTBN10				HV32-6-10Tin	
12MM	SLTBN12				HV32-6-12Tin	
16MM	SLTBN16-05	NCIH26-3	GTN-3	3.1	HV32-6-16Tin	
20MM	SLTBN20-05				HV32-6-20Tin	
25MM	SLTBN32-06	NCIH32-3			HV32-6-25Tin	



铣削刀具 MILLING TOOLS

可转位铣削刀具 Indexable milling tools

Category 类别	Shape 形状	Feature 特征	Category 类别	Shape 形状	Feature 特征
面铣刀	Kr:45° 	FMA01 大前角设计，切削轻快 刀片槽型多样，应用广 配合修光，良好表面质 量 参考： SE□T 12T3 (Zccet)	面铣刀	Kr:45° 	FMA02 大前角设计，切削轻快 刀片槽型多样，应用广 疏齿设计，震动平衡小 参考： SE□T 12T3 (Zccet)
	Kr:45° 	压板式固定，装卸简单 高硬度合金刀垫，抗冲 击强 参考： SE□N 1203 (Zccet)		Kr:45° 	FMA04 8刃口经济型刀片螺钉 压紧，精度高作用广 泛 参考： OFKT 05T3 (Zccet)
	Kr:45° 	FMA04 8刃口经济型刀片压块 压紧，装卸刀片简单轴 向可调节 参考：OFKR07 (Zccet)		Kr:45° 	8刃口经济型刀片螺钉压 紧，精度高作用广泛 参考： OD□□ 0605 (瓦尔特)
	Kr:45° 	FMA07 16刃负角刀片，经济性 能好抗冲击能力强 参考： ON□□ 0604□□ (Zccet) ON□□ 08T5□□ (Zccet)		Kr:45° 	高密度齿快速进给铣刀 负角刀片，刃口强度 好8刃口高经济型铣刀 参考： SN□N 1204 (Zccet)
	Kr:45° 	8刃负角刀片，经济性 能好切削阻力小，轻快 参考： SNEX 1206ANN (克洛伊)		Kr:45° 	8刃负角刀片，经济性 能好刃口抗冲击强 参考： SNMX 1205XTN (特固克)
	Kr:45° 	10刃负角刀片，高经济 性能螺旋型构造，阻力 小双切结构，强度高 参考： PNMU 1205ANER (京瓷)		Kr:45° 	8刃负角刀片，经济性 能好切削阻力小，轻快 参考： SNMU 1305 (伊斯卡)
	Kr:55° 	FMD02 12刃负角刀片，高经济 性能压块压紧，装卸刀 片简单 参考： HNEX0915 (Zccet)		Kr:67° 	FMD02 10刃负角刀片，高经济 性能螺旋型构造，阻力 小双切结构，强度高 参考： PNEG 110512R (Zccet)
	Kr:60° 	FMD03 双正前角，低切削力 立装刀片，大切重载加 工，装夹简单 参考： LNKT 2510 (Zccet)		Kr:65° 	8刃负角刀片，经济性 能好切削平衡，阻力小 铸铁和钢的优良选择 参考： R365-1505ZNE (山特)
	Kr:75° 	FME01 立装刀片密齿型适用于 各类大功率机床对铸 铁的平面加工 参考： LNE 32.534 (Zccet)		Kr:75° 	FME04 双正前角，低切削力 立装刀片，大切重载 加工，装夹简单 参考： LNKT 1506 (Zccet)

铣削刀具 MILLING TOOLS

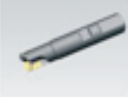
可转位铣削刀具 Indexable milling tools

Category 类别	Shape 形状	Feature 特征	Category 类别	Shape 形状	Feature 特征
面铣刀	Kr:75° 	压板式固定，装卸简单 高硬度合金刀垫，抗冲 击强 参考： SPKN 1504 (Zccet)	面铣刀	Kr:75° 	FME02 通用性强刀片槽型多， 适用广 参考： SPK□ 1204 (Zccet)
	Kr:75° 	小切削震动，大进给设 计，适用于铸铁加工 参考： SPEN 1203EEER (三菱)		Kr:75° 	重切削切深大，大幅提 高了单位时间内切削排 出量 参考： SPMT 1806 EDER (京瓷)
	Kr:75° 	8刃负角刀片，经济性 能好切削阻力小，轻快 参考： SNMX 1205XTN (特固克)		Kr:90° 	结构简单，装卸刀片快 捷，经济适用性好 参考： TPKN 2204 (Zccet)
	Kr:90° 	FMP02 疏，密，超密齿设计， 获得良好的工作表面质 量，适用于精，半精和 粗加工 参考： SEET 09T308PER (Zccet) SEET 120308PER (Zccet)		Kr:90° 	FMP03 双正前角，低切削力 立装刀片，大切重载加 工，装夹简单 参考： LNKT 1506EN-ZR (山特) LNKT 2007DN-ZR (山特) LNKT 2510-ZR (山特)
	Kr:90° 	疏，密，超密齿设计， 获得良好的工作表面质 量，适用于精，半精和 粗加工 参考： R290-12T308 (山特)		Kr:90° 	6刃负角刀片，经济性 能好切削阻力小，轻快 参考： TNGX 2207PNTN (特固克)
	Kr:90° 	FMP04 4刃角刀片，经济性好 大前角设计，低切削力 高精度，装卸简单 参考： SOMT 12T308PEER (三菱)		Kr:90° 	4刃角刀片，经济性好 切削锋利，阻力小 轴向抗力小 参考： XDMT 120408PDER (住友)
	Kr:90° 	4角立装刀片，装卸简 单，切削锋利，刀尖强 度大，切削稳定 参考： LNMX 170808 PNSR (住友)		Kr:90° 	6刃负角刀片，经济性 能好刃口抗冲击强前 角设计，切削锋利 参考： XNEX 0806 (山高)
	Kr:R 	FMR01 (刀杆) FMR02 (刀盘) 极强的切削刃口螺钉压 紧，装卸简单经济性好 参考： RCKT 10T3MO-DR (Zccet) RCKT 1204MO-DR (Zccet) RCKT 1606MO-DR (Zccet) RCKT 2006MO-DR (Zccet)		Kr:R 	FMR03 (刀杆) FMR04 (刀盘) 极强的切削刃口螺钉压 紧，装卸简单经济性好 参考： RDKW 0803MO (Zccet) RDKW 10T3/1204MO (Zccet) RDKW 1204MO (Zccet) RDKW 1603MO (Zccet) RDKW 2006MO (Zccet)
	Kr:R 	FMR04 大前角设计，切削阻力 小，锋利，经济性好 刀片装卸简单 参考： RPMT/W 1204 (三菱) RPMT1606 (三菱)		Kr:R 	仿振刃形设计螺钉压 紧，简单稳定 参考： QPMT 1204MO (住友)



铣削刀具 MILLING TOOLS

可转位铣削刀具 Indexable milling tools

Category 类别	Shape 形状	Feature 特征	Category 类别	Shape 形状	Feature 特征
方肩台阶铣刀	 EMP01	带修光刃，三维螺旋刃，切削阻力小 参考： APKT 11T3□□ (Zccot) APKT 1604□□ (Zccot)	方肩台阶铣刀	 EMP02	带修光刃，三维螺旋刃，切削阻力小 参考： APKT 11T3□□ (Zccot) APKT 1604□□ (Zccot)
	 EMP04	正螺旋，排销好密齿型结构。加工效率高 参考： APKT 11T3□□ (Zccot)		 EMP03	正螺旋，排销好密齿型 参考： APKT 11T3□□ (Zccot)
	 EMP05	底刃过中心，可直接钻孔加工 参考： APMT 113504PDER (Zccot) APMT 160408PDER (Zccot)		 EMP08	刃口抗冲击力强，切削阻力小，耐用性高 参考： LD□□ 1504 (森拉天时)
	 EMP06	带修光刃，三维螺旋刃，切削阻力小，抗冲击能力强 参考： APKT 1705PER (特固克)		 EMP09	带修光刃，三维螺旋刃，切削阻力小，抗冲击能力强 参考： APKT 1705PER (特固克)
	 EMP07	独自の曲线状切刃，提高刀尖强度，切削阻力低，良好的90°，适用于精加工 参考： AXMT 1235□□PEER (住友) AXMT 1705□□PEER (住友)		 EMP10	大前角设计，切削轻快，独自の曲线状切刃，提高刀尖强度，切削阻力低，良好的90°，适用于精加工 参考： AXMT 1235□□PEER (住友) AXMT 1705□□PEER (住友)
	 EMP08	底刃过中心，可直接钻孔加工 参考： APMT 1035PDER (住友) APMT 1605PDER (住友)		 EMP11	三维曲线状切刃，提高刀尖强度，切削阻力低，良好的90°，适用于精加工 参考： ADMT 080304R (瓦尔特) ADMT 120408R (瓦尔特)
	 EMP09	三维曲线状切刃，提高刀尖强度，切削阻力低，良好的90°，适用于精加工 参考： ADMT 080304R (瓦尔特) ADMT 120408R (瓦尔特) ADMT 160608R (瓦尔特)		 EMP12	三维曲线状切刃，切削阻力低，良好的90°，适用于精加工 参考： R390-11T3□□ (山特) R390-1704□□ (山特)
	 EMP10	三维曲线状切刃，切削阻力低，良好的90°，适用于精加工 参考： R390-11T3□□ (山特) R390-1704□□ (山特)		 EMP13	直角度好 低切削力 参考： BDMT 1103□□ (京瓷) BDMT 1704□□ (京瓷)

铣削刀具 MILLING TOOLS

可转位铣削刀具 Indexable milling tools

Category 类别	Shape 形状	Feature 特征	Category 类别	Shape 形状	Feature 特征
方肩台阶铣刀	 Kr:90°	直角度好 低切削力 参考： BDMT 11T3□□ER (京瓷) BDMT 1704□□ER (京瓷)	方肩台阶铣刀	 Kr:90°	直角度好，大前角设计，低切削力适用于精加工 参考： APKT 100304PDER (伊斯卡)
				 Kr:90°	4刃负角刀片，经济性好，抗冲击强 参考： LN□X151008PNR (克洛伊)

Category 类别	Shape 形状	Feature 特征	Category 类别	Shape 形状	Feature 特征
仿形铣刀	 BMR01	适合大型模具的粗加工，圆弧刃采用三面刃，经济性好 参考： ZDET 08T2 (Zccot) ZDET 1103 (Zccot) ZDET 13T3 (Zccot) ZPNT 2204 (Zccot)	仿形铣刀	 BMR03	适合模具的粗加工，采用三维复杂的槽型，圆弧精度高，抗振性好 参考： XPHT 16/20/25/30/32R803 (Zccot)
	 BMR03	适合模具的粗加工，采用三维复杂的槽型，圆弧精度高，抗振性好 参考： XPHT 16/20/25/30/32R803 (Zccot)		 BMR03	适合模具的粗加工，采用三维复杂的槽型，圆弧精度高，抗振性好 参考： XPHT 16/20/25/30/32R803 (Zccot)
	 BMR04	刀具精度高，用于仿形精加工，安装精度高，稳定性好 参考： ZOHX1203/1604/2005/2506/3007/3207 (Zccot)		 BMR04	大前角设计，切削阻力小，切削刃强度高，防偏转结构，波浪刃型 参考： ZNMT 1804100-C (住友) ZNMT 2205125-C (住友) ZNMT 2706150-C (住友)

Category 类别	Shape 形状	Feature 特征	Category 类别	Shape 形状	Feature 特征
三面刃铣刀	 TMP01	抗冲击力强，切削阻力小 参考： MPHT 060304-DM (Zccot) MPHT 080305-DM (Zccot) MPHT 120408-DM (Zccot)	三面刃铣刀	 SMP03	抗冲击力强，切削阻力小 参考： MPHT 060304-DM (Zccot) MPHT 080305-DM (Zccot) MPHT 120408-DM (Zccot)
	 SMP03	抗冲击力强，切削阻力小 参考： MPHT 060304-DM (Zccot) MPHT 080305-DM (Zccot) MPHT 120408-DM (Zccot)		 SMP01	切削锋利，浅槽加工，4刃，经济性好 参考： XSEQ 1202/1203 (Zccot) /12T3/1204/12T4 (Zccot)
	 SMP01	切削锋利，浅槽加工，4刃，经济性好 参考： XSEQ 1202/1203 (Zccot) /12T3/1204/12T4 (Zccot)			

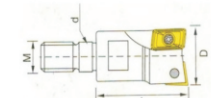


铣削刀具 MILLING TOOLS

可转位铣削刀具 Indexable milling tools

Category 类别	Shape 形状	Feature 特征	Category 类别	Shape 形状	Feature 特征
倒角铣刀	Kr:45° 	CMA01 小平面倒角, 孔倒角, 铣削倒角 参考: SPMT 120408 (Zccot)	倒角铣刀	Kr:60° 	CMD01 小平面倒角, 孔倒角, 铣削倒角 参考: SPMT 120408 (Zccot)
	Kr:30° 	CMZ01 小平面倒角, 孔倒角, 铣削倒角 参考: SPMT 120408 (Zccot)			市场通用产品, 性价比高。
大进给铣刀	Kr:x 	XMR01 有效分解径向切削力, 大进给切削, 用于插铣加工, 双重压紧, 牢固可靠 参考: SDMT 09T3 (Zccot) SDMT 1204 (Zccot)	大进给铣刀	Kr:x 	XMR01 有效分解径向切削力, 大进给切削, 用于插铣加工, 双重压紧, 牢固可靠 参考: SDMT 09T3-DM (Zccot) SDMT 1204 (Zccot)
	Kr:x 	XMR01 有效分解径向切削力, 大进给切削, 用于插铣加工, 双重压紧, 牢固可靠 参考: WPGT 05/06/08/09 (Zccot)		Kr:x 	XMR01 有效分解径向切削力, 大进给切削, 用于插铣加工, 双重压紧, 牢固可靠 参考: WPGT 060415ZSR (Zccot) WPGT 080615ZSR (Zccot) WPGT 090725ZSR (Zccot)
	Kr:x 	6刃负角刀片, 经济性能好 参考: WNMX 09T316NN-MM (克洛伊)		Kr:x 	6刃负角刀片, 经济性能好 参考: WNMX 09T316NN-MM (克洛伊)
螺旋立铣刀	Kr:90° 	HMP01 震动小, 抗冲击强, 大切深, 合适粗加工的高效率 参考: APKT 150412 (Zccot) SPMT 120408 (Zccot)	螺旋立铣刀	Kr:90° 	HMP01 震动小, 抗冲击强, 大切深, 合适粗加工的高效率 参考: APKT 150412 (Zccot) SPMT 120408 (Zccot)
					
浅孔钻	UD25/UD35 	高抗扭能力, 更高的进给, 效率更高, 排屑顺畅, 良好的安装角度, 切削过程中震动小, 钻孔精度和表面质量更优。	浅孔钻	UD20 	高抗扭能力, 更高的进给, 效率更高, 排屑顺畅, 良好的安装角度, 切削过程中震动小, 钻孔精度和表面质量更优。
	UD30 	高抗扭能力, 更高的进给, 效率更高, 排屑顺畅, 良好的安装角度, 切削过程中震动小, 钻孔精度和表面质量更优。 参考: SPGT 050204/060204/07T308 /090408/110408/140512		UD40/UD50 	高抗扭能力, 更高的进给, 效率更高, 排屑顺畅, 良好的安装角度, 切削过程中震动小, 钻孔精度和表面质量更优。 参考: SPGT 050204/060204/07T308 /090408/110408/140512

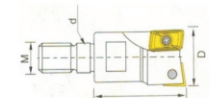
BAP直角台肩立铣刀头 Shoulder/Cutting End Mills(BAP)



型 号	刃 数	尺 寸			Size	刀 片	压 板	螺 钉	扳 手
Cat. No.	Teeth	D	d	L	M	Insert	Clamp	Clamp screw	Wrench
BAP3-10-1T-M5	1	10	5.5	20	M5	AP**1135	--	M2.5X6	T8
BAP3-11-1T-M5	1	11	5.5	20	M5				
BAP3-12-1T-M6	1	12	6.5	20	M6				
BAP3-13-1T-M6	1	13	6.5	20	M6				
BAP3-16-2T-M8	2	16	8.5	25	M8				
BAP3-17-2T-M8	2	17	8.5	25	M8				
BAP3-20-2T-M10	2	20	10.5	30	M10				
BAP3-21-2T-M10	2	21	10.5	30	M10				
BAP3-25-3T-M12	3	25	12.5	35	M12				
BAP3-26-3T-M12	3	26	12.5	35	M12				
BAP4-25-2T-M12	2	25	12.5	35	M12	AP**1604	--	M4X9	T15
BAP4-26-2T-M12	2	26	12.5	35	M12				
BAP4-30-2T-M12	2	30	12.5	35	M12				
BAP4-32-2T-M16	2	32	17	40	M16				
BAP4-35-3T-M16	3	35	17	40	M16				
BAP4-40-3T-M16	3	40	17	40	M16				

通用Suitable:三菱刀片 MITSUBISHI Insert

R390直角台肩立铣刀头 Shoulder/Cutting End Mills(R390)



型 号	刃 数	尺 寸 Size				刀 片	压 板	螺 钉	扳 手
Cat. No.	Teeth	D	d	L	M	Insert	Clamp	Clamp screw	Wrench
R39011-16-2T-M8	2	16	8.5	25	M8	R390-11T3	--	M2.5*6	T8
R39011-17-2T-M8	2	17	8.5	25	M8				
R39011-20-2T-M10	2	20	10.5	30	M10				
R39011-21-2T-M10	2	21	10.5	30	M10				
R39011-25-2T-M12	2	25	12.5	35	M12				
R39011-26-2T-M12	2	26	12.5	35	M12				
R39011-25-3T-M12	3	25	12.5	35	M12				
R39011-26-3T-M12	3	26	12.5	35	M12				
R39011-32-4T-M16	4	32	17	40	M16				
R39011-33-4T-M16	4	33	17	40	M16				
R39011-35-4T-M16	4	35	17	40	M16				

通用Suitable:山特维克刀片 SANDVIK Insert

AP直角台肩立铣刀头 Shoulder/Cutting End Mills(AP)



型 号	刀 数	尺 寸 Size				刀 片	压 板	螺 钉	扳 手
Cat. No.	Teeth	D	d	L	M	Insert	Clamp	Clamp screw	Wrench
AP1035-16-2T-M8	2	16	8.5	25	M8	AP**1035	--	M2.5*6	T8
AP1035-17-2T-M8	2	17	8.5	25	M8				
AP1035-20-2T-M10	2	20	10.5	30	M10				
AP1035-21-2T-M10	2	21	10.5	30	M10				
AP1035-25-3T-M12	3	25	12.5	35	M12				
AP1035-26-3T-M12	3	26	12.5	35	M12				

通用Suitable:住友刀片 SUMITOMO Insert

MP0603直角台肩立铣刀头 Shoulder/Cutting End Mills(MP0603)

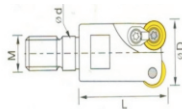


型 号	刃 数	尺 寸 Size				刀 片	压 板	螺 钉	扳 手
Cat. No.	Teeth	D	d	L	M	Insert	Clamp	Clamp screw	Wrench
MP0603-16-2T-M8	2	16	8.5	25	M8	MP**0603	--	M2.5*6	T8
MP0603-17-2T-M8	2	17	8.5	25	M8				
MP0603-20-2T-M10	2	20	10.5	30	M10				
MP0603-21-2T-M10	2	21	10.5	30	M10				
MP0603-25-3T-M10	3	25	12.5	35	M12				
MP0603-26-3T-M10	3	26	12.5	35	M12				

通用Suitable:日立刀片 HITACHI Insert



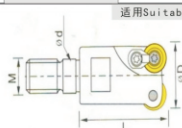
EMRM圆刃立铣刀头
Corner Rounding End Mills(EMRM)



型 号	刃数	尺寸 Size				刀片	压板	螺钉	扳手
Cat. No.	Teeth	D	d	L	M	Insert	Clamp	Clamp screw	Wrench
EMRM-4R16-2T-M8	2	16	8.5	25	M8	RP**0802	4R	M3X7	T8
EMRM-4R17-2T-M8	2	17	8.5	25	M8				
EMRM-4R20-2T-M10	2	20	10.5	30	M10				
EMRM-4R21-2T-M10	2	21	10.5	30	M10				
EMRM-5R20-2T-M10	2	20	10.5	30	M10				
EMRM-5R21-2T-M10	2	21	12.5	35	M12	RP**1003	5R	M4X9	T15
EMRM-5R25-2T-M12	2	25	12.5	35	M12				
EMRM-5R26-2T-M12	2	26	12.5	35	M12				
EMRM-5R30-2T-M12	2	30	12.5	35	M12				
EMRM-5R32-3T-M16	3	32	17	40	M16				
EMRM-5R35-3T-M16	3	35	17	40	M16	RP**1204	6R	M4X10	T15
EMRM-5R40-4T-M16	4	40	17	40	M16				
EMRM-6R35-3T-M16	3	35	17	40	M16				
EMRM-6R40-3T-M16	3	40	17	40	M16				

通用Suitable:三菱刀片 MITSUBISHI Insert

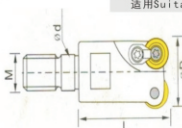
TRSM圆刃立铣刀头
Corner Rounding End Mills(TRSM)



型 号	刃数	尺寸 Size				刀片	压板	螺钉	扳手
Cat. No.	Teeth	D	d	L	M	Insert	Clamp	Clamp screw	Wrench
TRSM-4R16-2T-M8	2	16	8.5	25	M8	RD**0802	4R	M2.5X6	T8
TRSM-4R17-2T-M8	2	17	8.5	25	M8				
TRSM-4R20-2T-M10	2	20	10.5	30	M10				
TRSM-4R21-2T-M10	2	21	10.5	30	M10				
TRSM-5R20-2T-M10	2	20	10.5	30	M10				
TRSM-5R21-2T-M10	2	21	10.5	30	M10	RD**10T3	5R	M4X9	T15
TRSM-5R25-2T-M12	2	25	12.5	35	M12				
TRSM-5R26-2T-M12	2	26	12.5	35	M12				
TRSM-5R30-2T-M12	2	30	12.5	35	M12				
TRSM-5R32-3T-M16	3	32	17	40	M16				
TRSM-5R35-3T-M16	3	35	17	40	M16				
TRSM-5R40-4T-M16	4	40	17	40	M16				

通用Suitable:日立刀片 HITACHI Insert

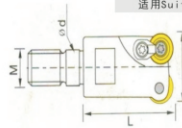
RD圆刃立铣刀头
Corner Rounding End Mills(RD)



型 号	刃数	尺寸 Size				刀片	压板	螺钉	扳手
Cat. No.	Teeth	D	d	L	M	Insert	Clamp	Clamp screw	Wrench
RD0702-16-2T-M8	2	16	8.5	25	M8	RD**0702	--	M2.5X6	T8
RD0702-17-2T-M8	2	17	8.5	25	M8				
RD0702-20-3T-M10	3	20	10.5	30	M10				
RD0702-21-3T-M10	3	21	10.5	30	M10				
RD0702-25-4T-M12	4	25	12.5	35	M12				
RD0702-26-4T-M12	4	26	12.5	35	M12	RD**1003	--	M3.5*9	T15
RD1003-20-2T-M10	2	20	10.5	30	M10				
RD1003-21-2T-M10	2	21	10.5	30	M10				
RD1003-25-2T-M12	2	25	12.5	35	M12				
RD1003-26-2T-M12	2	26	12.5	35	M12				

适用Suitable:戴杰刀片 DIJET Insert

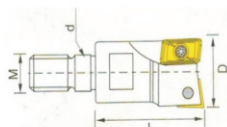
RC圆刃立铣刀头
Corner Rounding End Mills(RC)



型 号	刃 数	尺 寸 Size				刀 片	压 板	螺 钉	扳 手	
Cat. No.	Teeth	D	d	L	M	Insert	Clamp	Clamp screw	Wrench	
RC10T3-25-2T-M12	2	25	12.5	35	M12	RC**10T3	--	M3.5*9	T15	
RC10T3-26-2T-M12	2	26	12.5	35	M12					
RC1204-32-2T-M12	2	32	12.5	35	M12	RC**1204		M3.5*10		
RC1204-35-3T-M16	3	35	17	40	M16					

适用Suitable:山特维克刀片 SANDVIK Insert

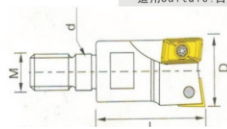
EP0603快进给立铣刀头
High Feedrate End Mills(EP0603)



型 号	刃数	尺寸 Size				刀片	压板	螺钉	扳手
Cat. No.	Teeth	D	d	L	M	Insert	Clamp	Clamp screw	Wrench
EP0603-16-2T-M8	2	16	8.5	25	M8	EP**0603	--	M2.5*6	T8
EP0603-17-2T-M8	2	17	8.5	25	M8				
EP0603-20-2T-M10	2	20	10.5	30	M10				
EP0603-21-2T-M10	2	21	10.5	30	M10				
EP0603-25-3T-M10	3	25	12.5	35	M12				
EP0603-26-3T-M10	3	26	12.5	35	M12				

通用Suitable:日立刀片 HITACHI Insert

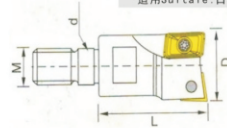
JD直角台肩立铣刀头
Shoulder/Cutting End Mills(JD)



型 号	刃数	尺寸 Size				刀片	压板	螺钉	扳手
Cat. No.	Teeth	D	d	L	M	Insert	Clamp	Clamp screw	Wrench
JD1003-16-2T-M8	2	16	8.5	25	M8	JD**1003	--	M2.5*6	T8
JD1003-17-2T-M8	2	17	8.5	25	M8				
JD1003-20-2T-M10	2	20	10.5	30	M10				
JD1003-21-2T-M10	2	21	10.5	30	M10				
JD1003-25-3T-M12	3	25	12.5	35	M12				
JD1003-26-3T-M12	3	26	12.5	35	M12	JD**1505	--	M4*9	T15
JD1505-25-2T-M12	2	25	12.5	35	M12				
JD1505-26-2T-M12	2	26	12.5	35	M12				

通用Suitable:日立刀片 HITACHI Insert

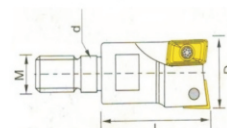
AX0602直角台肩立铣刀头
Shoulder/Cutting End Mills(AX0602)



型 号	刃数	尺寸 Size				刀片	压板	螺钉	扳手
Cat. No.	Teeth	D	d	L	M	Insert	Clamp	Clamp screw	Wrench
TE90AX06-8-1T-M4	1	8	4.5	15	M4	AX**0602	--	M1.8*4	T6
TE90AX06-9-1T-M4	1	9	4.5	15	M4				
TE90AX06-10-2T-M5	2	10	5.5	20	M5				
TE90AX06-11-2T-M5	2	11	5.5	20	M5				
TE90AX06-12-2T-M6	2	12	6.5	20	M6				
TE90AX06-13-2T-M6	2	13	6.5	20	M6				

适用Suitable:特固克刀片 TAEQUTE Insert

AX09T3直角台肩立铣刀头
Shoulder/Cutting End Mills(AX09T3)

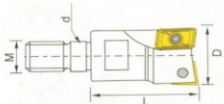


型 号	刃数	尺寸 Size				刀片	压板	螺钉	扳手
Cat. No.	Teeth	D	d	L	M	Insert	Clamp	Clamp screw	Wrench
TE90AX09-16-2T-M8	2	16	8.5	25	M8	AP**09T3	--	M2.5*6	T8
TE90AX09-17-2T-M8	2	17	8.5	25	M8				
TE90AX09-20-2T-M10	2	20	10.5	30	M10				
TE90AX09-21-2T-M10	2	21	10.5	30	M10				
TE90AX09-20-3T-M10	3	20	10.5	30	M10				
TE90AX09-21-3T-M10	3	21	10.5	30	M10	AP**1705	--	M4*9	T15
TE90AX09-25-3T-M12	3	25	12.5	35	M12				
TE90AX09-26-3T-M12	3	26	12.5	35	M12				
TE90AX17-25-3T-M12	2	25	12.5	35	M12				
TE90AX17-26-3T-M12	2	26	12.5	35	M12				

通用Suitable:特固克刀片 TAEQUTE Insert



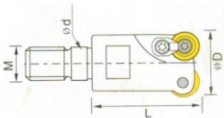
JD0702直角台肩立铣刀头
Shoulder/Cutting End Mills(JD0702)



型 号	刃数	尺寸 Size				刀片	压板	螺钉	扳手
Cat. No.	Teeth	D	d	L	M	Insert	Clamp	Clamp screw	Wrench
JD0702-8-1T-M4	1	8	4.5	15	M4	JD**0702	--	M1.8*4	T6
JD0702-9-1T-M4	1	9	4.5	15	M4				
JD0702-10-2T-M5	2	10	5.5	20	M5				
JD0702-11-2T-M5	2	11	5.5	20	M5				
JD0702-12-2T-M6	2	12	6.5	20	M6				
JD0702-13-2T-M6	2	13	6.5	20	M6				

适用Suitale:日立刀片 HITACHI Insert

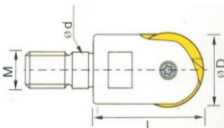
RD0517圆刃立铣刀头
Corner Rounding End Mills(RD0517)



型 号	刃数	尺寸 Size				刀片	压板	螺钉	扳手
Cat. No.	Teeth	D	d	L	M	Insert	Clamp	Clamp screw	Wrench
RD0517-10-2T-M5	2	10	5.5	20	M5	RD**0517	--	M2*4	T6
RD0517-11-2T-M5	2	11	5.5	20	M5				
RD0517-12-2T-M6	2	12	6.5	20	M6				
RD0517-13-2T-M6	2	13	6.5	20	M6				

适用Suitale:三菱刀片 MITSUBISHI Insert

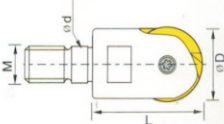
WGR球型精铣刀头
Ball Precision Cutter(WGR)



型 号	刃数	尺寸 Size				刀片	压板	螺钉	扳手
Cat. No.	Teeth	D	d	L	M	Insert	Clamp	Clamp screw	Wrench
WGR08-M4	1	8	4.5	15	M4	P320*-D08	--	WGR-4R	T15
WGR10-M5	1	10	5.5	20	M5	P320*-D10	--	WGR-5R	T15
WGR12-M6	1	12	6.5	20	M6	P320*-D12	--	WGR-6R	T20
WGR16-M8	1	16	8.5	25	M8	P320*-D16	--	WGR-8R	T20
WGR20-M10	1	20	10.5	30	M10	P320*-D20	--	WGR-10R	T20
WGR25-M12	1	25	12.5	35	M12	P320*-D25	--	WGR-12.5R	T20
WGR30-M16	1	30	17	40	M16	P320*-D30	--	WGR-15R	T25

适用Suitale:瓦尔特刀片 WALTER Insert

PPH球型精铣刀头
Ball Precision Cutter(PPH)



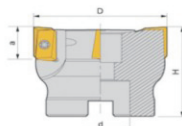
型 号	刃数	尺寸 Size				刀片	压板	螺钉	扳手
Cat. No.	Teeth	D	d	L	M	Insert	Clamp	Clamp screw	Wrench
PPH08-M4	1	8	4.5	15	M4	BNM-080	--	BNM-4R	T15
PPH10-M5	1	10	5.5	20	M5	BNM-100	--	BNM-5R	T15
PPH12-M6	1	12	6.5	20	M6	BNM-120	--	BNM-6R	T20
PPH16-M8	1	16	8.5	25	M8	BNM-160	--	BNM-8R	T20
PPH20-M10	1	20	10.5	30	M10	BNM-200	--	BNM-10R	T20
PPH25-M12	1	25	12.5	35	M12	BNM-250	--	BNM-12.5	T25
PPH30-M16	1	30	17	40	M16	BNM-300	--	BNM-15R	T30

适用Suitale:戴杰刀片 DIJET Insert

TAP直角台肩面铣刀盘
TAP Right angle shoulder face mill



- 适配多种材质刀片，可适用铝钢铣削
- 容屑空间大，排屑好
- 切削轻快，阻力大



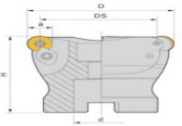
型 号	刃数	尺寸 Size				刀片	压板	螺钉	扳手
Cat. No.	Teeth	D	d	H	a	Insert	Clamp	Clamp screw	Wrench
TAP300R-40-16-5T	5	40	16	40	9	AP**1135	--	M2.5X6	T8
TAP300R-50-22-6T	6	50	22	50	9				
TAP300R-63-22-6T	6	63	22	50	9				
TAP400R-50-22-4T	4	50	22	50	14				
TAP400R-63-22-4T	4	63	22	50	14				
TAP400R-80-27-6T	6	80	27	50	14	AP**1604	--	M4X9	T15
TAP400R-100-32-6T	6	100	32	50	14				
TAP400R-125-40-8T	8	125	40	63	14				
TAP400R-160-40-9T	9	160	40	63	14				
TAP400R-200-60-10	10	200	60	63	14				
TAP400R-50-25.4-4T	4	50	25.4	50	14				
TAP400R-63-25.4-4T	4	63	25.4	50	14				
TAP400R-80-25.4-6T	6	80	25.4	50	14				
TAP400R-100-31.75-6T	6	100	31.75	50	14				
TAP400R-125-31.75-8T	8	125	31.8	63	14				
TAP400R-160-50.8-9T	9	160	50.8	63	14				

适用Suitale:三菱刀片 MITSUBISHI Insert

EMRW圆鼻面铣刀盘
EMRW Round dowel face mill



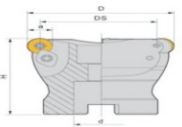
- 使用11° 正角刀片
- 刀片经济，适用性高
- 容屑空间大，排屑好
- 锥形设计，钢性高



型 号	刃数	尺寸 Size				刀片	压板	螺钉	扳手
Cat. No.	Teeth	D	d	H	a	Insert	Clamp	Clamp screw	Wrench
EMR-5R50-22-4T	4	50	22	50	10	RP**1003	--	M4X9	T15
EMR-5R63-22-4T	4	63	22	50	10				
EMR-5R80-27-6T	6	80	27	50	10				
EMR-5R100-32-6T	6	100	32	50	10				
EMRW-6R50-22-4T	4	50	22	50	12				
EMRW-6R63-22-4T	4	63	22	50	12	RP(D)**1204	--	M4X10	T15
EMRW-6R80-27-6T	6	80	27	50	12				
EMRW-6R100-32-6T	6	100	32	50	12				
EMRW-6R125-40-7T	7	125	40	63	12				
EMRW-6R160-40-8T	8	160	40	63	12				
EMRW-6R200-60-9T	9	200	60	63	12				
EMRW-6R50-25.4-4T	4	50	25.4	50	12				
EMRW-6R63-25.4-4T	4	63	25.4	50	12				
EMRW-6R80-25.4-6T	6	80	25.4	50	12				
EMRW-6R100-31.75-6T	6	100	31.75	50	12				

适用Suitale:三菱刀片 MITSUBISHI Insert

RD12T3圆鼻面铣刀盘
EMRW Round dowel face mill



型 号	刃数	尺寸 Size				刀片	压板	螺钉	扳手
Cat. No.	Teeth	D	d	H	a	Insert	Clamp	Clamp screw	Wrench
RD12T3-50-22-4T	4	50	22	50	12	RD**12T3	6R	M3.5X10	T15
RD12T3-63-22-5T	5	63	22	50	12				

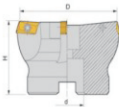
适用Suitale:特固克刀片 TAEQUITE Insert



RAP直角台肩面铣刀盘
RAP Ringht angle shoulder face mill



- 使用APMT1604废弃刀片，节约成本



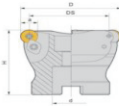
型 号	刃 数	尺 寸 Size				刀 片	压 板	螺 钉	扳 手
RAP300R-50-22-4T	4	50	22	50	—	AP**1135	—	M2.5X6	T8
RAP300R-63-22-5T	5	63	22	50	—				
RAP400R-63-22-4T	4	63	22	50	—				
RAP400R-80-27-5T	5	80	27	50	—				
RAP400R-100-32-6T	6	100	32	63	—				
RAP400R-125-40-6T	6	125	40	63	—				
RAP400R-160-40-7T	7	160	40	63	—	AP**1604	—	M4X9	T15

通用Suitale:三菱刀片 MITSUBISHI Insert

R200圆鼻面铣刀盘
R200 Round dowel face mill



- 适配山特维克精磨刀片
- 精度高，适于精加工
- 锥形设计，钢性高



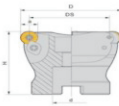
型 号	刃 数	尺 寸 Size				刀 片	压 板	螺 钉	扳 手
R200-5R50-22-4T	4	50	22	50	10	RC**10T3	5R	M3.5X10 M4X10	T15
R200-5R63-22-4T	4	63	22	50	10				
R200-6R50-22-4T	4	50	22	50	12	RC**1204	6R	M3.5X10 M4X10	T15
R200-6R63-22-4T	4	63	22	50	12				
R200-6R80-27-6T	6	80	27	50	12				
R200-6R100-32-6T	6	100	32	50	12				
R200-8R63-22-4T	4	63	22	50	16	RC**1606	8R	M5X12	T20

通用Suitale:山特维克刀片 SANDVIK Insert

TRS圆鼻面铣刀盘
TRS Round dowel face mill



- 使用15°正角刀片
- 刀片经济,适用性高
- 容屑空间大,排屑好
- 锥形设计,钢性高



型 号	刃 数	尺 寸 Size				刀 片	压 板	螺 钉	扳 手
TRS-5R50-22-4T	4	50	22	40	50	RD**10T3	5R	M4X10	T15
TRS-5R63-22-4T	4	63	22	53	50				
TRS-5R80-27-6T	6	80	27	—	50				
TRS-5R100-32-6T	6	100	32	—	50	RD**1204	6R	M4X10	T15
TRS-6R50-22-4T	4	50	22	38	50				
TRS-6R63-22-4T	4	63	22	51	50				
TRS-6R80-27-6T	6	80	27	68	50				
TRS-6R100-32-6T	6	100	32	88	50				
TRS-8R63-22-4T	4	63	63	47	50	RD**1604	8R	M5X12	T20
TRS-8R80-27-5T	5	80	27	64	50				
TRS-8R100-32-6T	6	100	32	84	50				

通用Suitale:日立刀片 HITACHI Insert

AJX大进给面铣刀盘
AJX High feedrate face mill



- 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



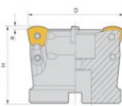
型 号	刃 数	尺 寸 Size				刀 片	压 板	螺 钉	扳 手
AJX12-50-22-3T	3	50	22	50		JD**1204	AJX-12	M4*10	T15
AJX12-50-22-4T	4	50	22	50					
AJX12-63-22-4T	4	63	22	50					
AJX14-63-22-3T	3	63	22	50		JD**1405	AJX-14	M5*12	T20
AJX14-63-22-4T	4	63	22	50					
AJX14-80-27-4T	4	80	27	50					
AJX14-100-32-5T	5	100	32	50					

通用Suitale:三菱刀片 MITSUBISHI Insert

SKS大进给面铣刀盘
SKS High feedrate face mill



- 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



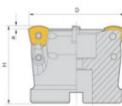
型 号	刃 数	尺 寸 Size				刀 片	压 板	螺 钉	扳 手
SKS08-50-22-3T	3	50	22	50		WD**0805	SKS-08	M4.5*11/M5*11	T20
SKS08-63-22-3T	3	63	22	50					
SKS08-50-22-4T	4	50	22	50					
SKS08-63-22-4T	4	63	22	50					
SKS08-80-2T-5T	5	80	27	50					
SKS08-100-32-6T	6	100	32	50					

通用Suitale:黛杰刀片 DIJET Insert

TXP快进给面铣刀盘
TXP High feedrate face mill



- 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



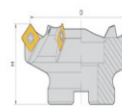
型 号	刃 数	尺 寸 Size				刀 片	压 板	螺 钉	扳 手
TXP06-50-22-4T	4	50	22	50		WP**06X4	TXP-06	M4*10	T15
TXP08-50-22-3T	3	50	22	50					
TXP08-63-22-4T	4	63	22	50		WP**0806	TXP-08	M5*11	T20
TXP08-80-27-4T	4	80	27	50					
TXP08-100-32-6T	6	100	32	50					

通用Suitale:东芝刀片 DIJET Insert

KM-45°面铣刀盘
KM-45° Face mill

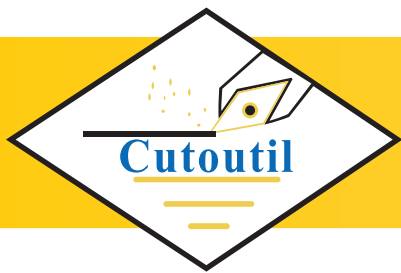


- 适配铜件、铁件、铝件多种材质刀片
- 容屑空间大，排屑好
- 可适用平面铣削的精加工
- 大前角，切削负荷小



型 号	刃 数	尺 寸 Size				刀 片	压 板	螺 钉	扳 手
KM12-50-22-4T	4	50	22	50		SE**1204		M5*12	T20
KM12-63-22-4T	4	63	22	50					
KM12-80-27-5T	5	80	27	50					
KM12-100-32-5T	5	100	32	50					
KM12-125-40-6T	6	125	40	63					
KM12-160-40-7T	7	160	40	63					
KM12-200-60-8T	8	200	60	63					

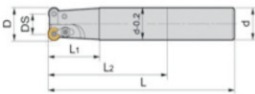
通用Suitale:克洛伊刀片 KORLOY Insert



EMR圆鼻立铣刀杆
EMR Round dowel end mill



■ 适配多种经济型刀片，性价比高



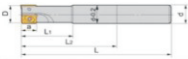
型 号	刃数	尺寸 Size					刀片	压板	螺钉	扳手					
Cat. No.	Teeth	D	d	L	L1	L2	a	Insert	Clamp screw	Clamp	Wrench				
EMR-C12-4R12-120L	1	12	12	120	30	-	4	RP**0802	M3X7	4R	T8				
EMR-C12-4R13-120L	1	13	12	120	30	-	4								
EMR-C15-4R16-160L	2	16	15	160	40	-	4								
EMR-C15-4R16-200L	2	16	15	200	40	-	4								
EMR-C15.6-4R16-160L	2	16	15.6	160	40	-	4								
EMR-C15.6-4R16-200L	2	16	15.6	200	40	-	4								
EMR-C16-4R16-160L	2	16	16	160	40	-	4								
EMR-C16-4R16-200L	2	16	16	200	40	100	4								
EMR-C16-4R17-160L	2	17	16	160	40	-	4								
EMR-C16-4R17-200L	2	17	16	200	40	-	4								
EMR-C19-4R20-160L	2	20	19	160	40	-	4								
EMR-C19-4R20-200L	2	20	19	200	40	-	4								
EMR-C20-4R20-160L	2	20	20	160	40	-	4								
EMR-C20-4R20-200L	2	20	20	200	40	100	4								
EMR-C20-4R21-160L	2	21	20	160	40	-	4								
EMR-C20-4R21-200L	2	21	20	200	50	-	4								
EMR-C20-4R21-250L	2	21	20	250	50	-	4								
EMR-C19-5R20-160L	2	20	19	160	50	-	5	RP**1003	M4X9	5R	T15				
EMR-C19-5R20-200L	2	20	19	200	50	-	5								
EMR-C20-5R20-160L	2	20	20	160	50	-	5								
EMR-C20-5R20-200L	2	20	20	200	50	100	5								
EMR-C20-5R25-160L	2	25	20	160	50	-	5								
EMR-C20-5R25-200L	2	25	20	200	50	-	5								
EMR-C24-5R25-160L	2	25	24	160	50	-	5								
EMR-C24-5R25-200L	2	25	24	200	50	-	5								
EMR-C24-5R25-250L	2	25	24	250	50	-	5								
EMR-C25-5R25-160L	2	25	25	160	50	115	5								
EMR-C25-5R25-200L	2	25	25	200	75	115	5								
EMR-C25-5R25-250L	2	25	25	250	60	-	5								
EMR-C25-5R26-160L	2	26	25	160	50	-	5								
EMR-C25-5R26-200L	2	26	25	200	50	-	5								
EMR-C25-5R26-250L	2	26	25	250	50	-	5								
EMR-C25-5R30-110L	2	30	25	110	40	-	5								
EMR-C25-5R30-160L	2	30	25	160	50	-	5								
EMR-C25-5R30-200L	2	30	25	200	50	-	5								
EMR-C25-5R30-250L	2	30	25	250	60	-	5								
EMR-C25-5R30-300L	2	30	25	300	60	-	5								
EMR-C32-5R35-160L	3	35	32	160	50	-	5								
EMR-C32-5R35-200L	3	35	32	200	50	-	5								
EMR-C32-5R35-250L	3	35	32	250	60	-	5								
EMR-C32-5R35-300L	3	35	32	300	60	-	5								
EMR-C32-5R35-350L	3	35	32	350	60	-	5								
EMR-C32-5R35-400L	3	35	32	400	60	-	5								
EMR-C32-5R40-160L	4	40	32	160	50	-	5								
EMR-C32-5R40-200L	4	40	32	200	50	-	5								
EMR-C32-5R40-250L	4	40	32	250	60	-	5								
EMRW-C32-6R33-160L	2	33	32	160	50	-	6					RP**1204	M4X10	6R	T15
EMRW-C32-6R33-200L	2	33	32	200	50	-	6								
EMRW-C32-6R33-250L	2	33	32	250	50	-	6								
EMRW-C32-6R35-160L	3	35	32	160	50	-	6								
EMRW-C32-6R35-200L	3	35	32	200	50	-	6								
EMRW-C32-6R35-250L	3	35	32	250	50	-	6								
EMRW-C32-6R35-300L	3	35	32	300	50	-	6								
EMRW-C32-6R35-350L	3	35	32	350	50	-	6								
EMRW-C32-6R40-160L	3	40	32	160	50	-	6								
EMRW-C32-6R40-200L	3	40	32	200	50	-	6								
EMRW-C32-6R40-250L	3	40	32	250	50	-	6								
EMRW-C32-6R40-300L	3	40	32	300	50	-	6								
EMRW-C32-6R40-350L	3	40	32	350	50	-	6								

适用Suitable:三菱刀片 MITSUBISHI Insert

TAP直角台肩铣刀
TAP Round dowel end mill



■ 适合强力切削，回传及进刀量是一般铣刀的3倍
■ 适配刀片经济，性价比高



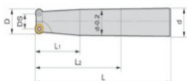
型 号	刀 数	尺 寸 Size						刀 片	压 板	螺 钉	扳 手
Cat. No.	Teeth	D	d	L	L1	L2	a	Insert	Clamp screw	Clamp	Wrench
TAP300R-C10-10-120L	1	10	10	120	30	-	9	AP**1135	M2.5X6	-	T8
TAP300R-C12-12-120L	1	12	12	120	30	-	9				
TAP300R-C12-13-120L	1	13	12	120	30	-	9				
TAP300R-C15-16-160L	2	16	15	160	40	-	9				
TAP300R-C15-16-200L	2	16	15	200	40	-	9				
TAP300R-C15.6-16-160L	2	16	15.6	160	40	-	9				
TAP300R-C15.6-16-200L	2	16	15.6	200	40	-	9				
TAP300R-C16-16-160L	2	16	16	160	40	-	9				
TAP300R-C16-16-200L	2	16	16	200	40	100	9				
TAP300R-C16-17-160L	2	17	16	160	40	-	9				
TAP300R-C16-17-200L	2	17	16	200	40	-	9				
TAP300R-C16-17-250L	2	17	16	250	40	-	9				
TAP300R-C19-20-160L	2	20	19	160	50	-	9				
TAP300R-C19-20-200L	2	20	19	200	50	-	9				
TAP300R-C19-20-250L	2	20	19	250	50	-	9				
TAP300R-C20-20-160L	2	20	20	160	50	-	9				
TAP300R-C20-20-200L	2	20	20	200	50	100	9				
TAP300R-C20-21-160L	2	21	20	160	50	-	9				
TAP300R-C20-21-200L	2	21	20	200	50	-	9				
TAP300R-C20-21-250L	2	21	20	250	50	-	9				
TAP300R-C25-25-160L	3	25	25	160	50	-	9				
TAP300R-C25-25-200L	3	25	25	200	50	115	9				
TAP400R-C24-25-160L	2	25	24	160	50	-	14	AP**1604	M4X9	-	T15
TAP400R-C24-25-200L	2	25	24	200	50	-	14				
TAP400R-C24-25-250L	2	25	24	250	50	-	14				
TAP400R-C25-25-160L	2	25	25	160	50	-	14				
TAP400R-C25-25-200L	2	25	25	200	50	115	14				
TAP400R-C25-25-250L	2	25	25	250	50	115	14				
TAP400R-C25-26-160L	2	26	25	160	50	-	14				
TAP400R-C25-26-200L	2	26	25	200	50	-	14				
TAP400R-C25-26-250L	2	26	25	250	50	-	14				
TAP400R-C25-30-160L	2	30	25	160	50	-	14				
TAP400R-C25-30-200L	2	30	25	200	50	-	14				
TAP400R-C25-30-250L	2	30	25	250	60	-	14				
TAP400R-C32-35-160L	3	35	32	160	60	-	14				
TAP400R-C32-35-200L	3	35	32	200	60	-	14				
TAP400R-C32-35-250L	3	35	32	250	60	-	14				
TAP400R-C32-35-300L	3	35	32	300	60	-	14				
TAP400R-C32-35-350L	3	35	32	350	60	-	14				
TAP400R-C32-35-400L	3	35	32	400	60	-	14				
TAP400R-C32-40-160L	3	40	32	160	60	-	14				
TAP400R-C32-40-200L	3	40	32	200	60	-	14				
TAP400R-C32-40-250L	3	40	32	250	60	-	14				

适用Suitable:三菱刀片 MITSUBISHI Insert

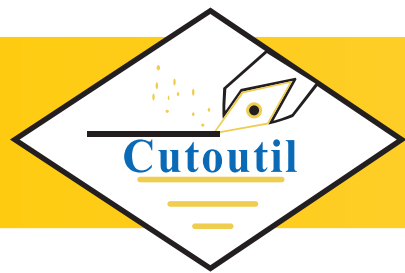
R200圆鼻立铣刀
R200 Round dowel end mill



■ 适配山特维克精磨刀片，精度更高，加工效果更佳



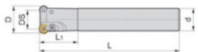
型 号	刃 数	尺 寸 Size						刀 片	压 板	螺 钉	扳 手
Cat. No.	Teeth	D	d	L	L1	L2	a	Insert	Clamp screw	Clamp	Wrench
R200-C20-5R25-160L	2	25	20	160	40	-	5	RC**10T3	M3.5X9/ M4X9	5R	T15
R200-C20-5R25-200L	2	25	20	200	40	-	5				
R200-C24-5R25-160L	2	25	24	160	50	-	5				
R200-C24-5R25-200L	2	25	24	200	50	-	5				
R200-C24-5R25-250L	2	25	24	250	50	-	5				
R200-C25-5R25-160L	2	25	25	160	50	-	5				
R200-C25-5R25-200L	2	25	25	200	50	100	5				
R200-C25-5R25-250L	2	25	25	250	50	115	5				
R200-C25-5R26-160L	2	26	25	160	50	-	5				
R200-C25-5R26-200L	2	26	25	200	50	-	5				
R200-C25-5R26-250L	2	26	25	250	50	-	5				
R200-C25-6R32-160L	2	32	25	160	50	-	6	RC**1204	M3.5X10/ M4X10	6R	T15
R200-C25-6R32-200L	2	32	25	200	50	-	6				
R200-C25-6R32-250L	2	32	25	250	50	-	6				
R200-C32-6R33-160L	2	33	32	160	50	-	6				
R200-C32-6R33-200L	2	33	32	200	50	-	6				



TRS圆鼻立铣刀
TRS Round dowel end mill



- 刀片经济，通用性高
- 容屑空间大，排屑好



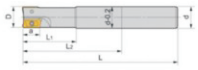
型 号	刃 数	尺寸 Size						刀片	压板	螺钉	扳手
Cat. No.	Teeth	D	d	L	L1	L2	a	Insert	Clamp screw	Clamp	Wrench
TRS-C12-4R12-120L	1	12	12	120	30	-	4	RD**0802	M3x7	4R	T8
TRS-C15.6-4R16-160L	2	16	15.6	160	40	-	4				
TRS-C15.6-4R16-200L	2	16	15.6	200	40	-	4				
TRS-C16-4R16-160L	2	16	16	160	40	-	4				
TRS-C16-4R16-200L	2	16	16	200	40	90	4				
TRS-C16-4R17-160L	2	17	16	160	40	-	4				
TRS-C16-4R17-200L	2	17	16	200	50	-	4				
TRS-C19-4R20-160L	2	20	19	160	50	-	4				
TRS-C19-4R20-200L	2	20	19	200	50	-	4				
TRS-C20-4R20-160L	2	20	20	160	50	-	4				
TRS-C20-4R20-200L	2	20	20	200	50	90	4				
TRS-C20-4R21-160L	2	21	20	160	50	-	4				
TRS-C20-4R21-200L	2	21	20	200	50	-	4				
TRS-C19-5R20-160L	2	20	19	160	50	-	5				
TRS-C19-5R20-200L	2	20	19	200	50	-	5				
TRS-C20-5R20-160L	2	20	20	160	50	-	5				
TRS-C20-5R20-200L	2	20	20	200	50	90	5				
TRS-C20-5R25-160L	2	25	20	160	50	-	5				
TRS-C20-5R25-200L	2	25	20	200	50	-	5				
TRS-C24-5R25-160L	2	25	24	160	50	-	5				
TRS-C24-5R25-200L	2	25	24	200	50	-	5				
TRS-C24-5R25-250L	2	25	24	250	50	-	5				
TRS-C25-5R25-160L	2	25	25	160	50	-	5				
TRS-C25-5R25-200L	2	25	25	200	50	115	5	RD**10T3	M4X9	5R	T15
TRS-C25-5R25-250L	2	25	25	250	50	115	5				
TRS-C25-5R26-160L	2	26	25	160	50	-	5				
TRS-C25-5R26-200L	2	26	25	200	50	-	5				
TRS-C25-5R26-250L	2	26	25	250	50	-	5				
TRS-C25-5R30-160L	2	30	25	160	50	-	5				
TRS-C25-5R30-200L	2	30	25	200	50	-	5				
TRS-C25-5R30-250L	2	30	25	250	50	-	5				
TRS-C32-5R35-160L	3	35	32	160	50	-	5				
TRS-C32-5R35-200L	3	35	32	200	50	-	5				
TRS-C32-5R35-250L	3	35	32	250	50	-	5				
TRS-C32-5R35-300L	3	35	32	300	50	-	5				
TRS-C32-5R35-350L	3	35	32	350	50	-	5				
TRS-C25-6R32-160L	2	32	25	160	50	-	6	RD**1204	M4X10	6R	T15
TRS-C25-6R32-200L	2	32	25	200	50	-	6				
TRS-C25-6R32-250L	2	32	25	250	50	-	6				

适用Suitale:日立刀片 HITACHI Insert

R390直角台肩立铣刀
R390 Right angle shouder end mill



- 适配山特维克精磨刀片
- 精度高，适于精加工



型 号	刃 数	尺寸 Size						刀片	压板	螺钉	扳手
Cat. No.	Teeth	D	d	L	L1	L2	a	Insert	Clamp screw	Clamp	Wrench
R390-C15-16-160L	2	16	15	160	40	-	10	R390-11T3	M2.5X6	-	T8
R390-C15-16-200L	2	16	15	200	40	-	10				
R390-C15.6-16-160L	2	16	15.6	160	40	-	10				
R390-C15.6-16-200L	2	16	15.6	200	40	-	10				
R390-C16-16-160L	2	16	16	160	40	-	10				
R390-C16-16-200L	2	16	16	200	40	90	10				
R390-C19-20-160L	2	20	19	160	40	-	10				
R390-C19-20-200L	2	20	19	200	40	-	10				
R390-C20-20-160L	2	20	20	160	40	-	10				
R390-C20-20-200L	2	20	20	200	40	100	10				
R390-11-C24-25-160L	2	25	24	160	50	-	10				
R390-11-C24-25-200L	2	25	24	200	50	-	10				
R390-11-C24-25-250L	2	25	24	250	50	-	10				
R390-C24-25-160L	2	25	24	160	50	-	17	R390-1704	M3.5X8	-	T15
R390-C24-25-200L	2	25	24	200	50	-	17				
R390-C24-25-250L	2	25	24	250	50	-	17				
R390-C25-25-160L	2	25	25	160	50	100	17				
R390-C25-25-200L	2	25	25	200	50	100	17				
R390-C25-25-250L	2	25	25	250	50	-	17				

适用Suitale:山特维克刀片 SANDVIK Insert

T2139 Copy end fine mill



- 采用高性能合金结构钢材
- 刀片切削刃锋利，可加工不同的材质
- 高精度保证其高性能，高速切削亦稳定



型 号	刃 数	尺寸 Size						刀片	压板	螺钉	扳手
Cat. No.	Teeth	D	d	L	L1	L2	a	Insert	Clamp screw	Clamp	Wrench
T2139-C8-4R-110L	8	8	8	110	36	4		P320*D08	T2139-4R	-	T8
T2139-C10-4R-110L	8	10	10	110	36	4					
T2139-C12-4R-140L	8	12	12	140	45	4					
T2139-C10-5R-130L	10	10	10	130	40	5		P320*D10	T2139-5R	-	T15
T2139-C12-5R-130L	10	12	12	130	50	5					
T2139-C10-5R-160L	10	10	10	160	40	5					
T2139-C12-5R-160L	10	12	12	160	50	5		P320*D12	T2139-6R	-	T20
T2139-C12-6R-130L	12	12	12	130	40	6					
T2139-C12-6R-160L	12	12	12	160	65	6					
T2139-C16-8R-130L	16	16	16	130	60	8		P320*D16	T2139-8R	-	T20
T2139-C16-8R-160L	16	16	16	160	60	8					
T2139-C16-8R-200L	16	16	16	200	80	8					
T2139-C20-8R-160L	16	20	20	160	80	8		P320*D20	T2139-10R	-	T20
T2139-C20-10R-160L	20	20	20	160	60	10					
T2139-C20-10R-200L	20	20	20	200	80	10					
T2139-C25-10R-250L	20	25	25	250	100	10		P320*D25	T2139-12.5R	-	T20
T2139-C25-12.5R-180L	25	25	25	180	65	12.5					
T2139-C32-12.5R-200L	25	32	32	200	65	12.5					
T2139-C32-12.5R-250L	25	32	32	250	65	12.5					

适用Suitale:瓦尔特刀片 WALTER Insert

BNM球型精铣刀
BNM Copy end fine mill



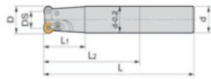
- 采用高性能合金结构钢材
- 刀片切削刃锋利，可加工不同的材质
- 高精度保证其高性能，高速切削亦稳定



型 号	刃 数	尺 寸 Size				刀 片	压 板	螺 钉	扳 手
Cat. No.	D	d	L	L1	R	Insert	Clamp screw	Clamp	Wrench
BNM-C8-4R-110L	8	8	110	36	4	BNM-080	BNM-4R	-	T8
BNM-C10-4R-110L	8	10	110	36	4				
BNM-C12-4R-140L	8	12	140	45	4				
BNM-C10-5R-130L	10	10	130	40	5	BNM-100	BNM-5R	-	T8
BNM-C12-5R-130L	10	12	130	50	5				
BNM-C10-5R-160L	10	10	160	40	5				
BNM-C12-5R-160L	10	12	160	50	5	BNM-120	BNM-6R	-	T10
BNM-C12-6R-130L	12	12	130	40	6				
BNM-C12-6R-160L	12	12	160	65	6				
BNM-C16-6R-160L	12	16	160	60	6	BNM-160	BNM-8R	-	T15
BNM-C16-8R-130L	16	16	130	60	8				
BNM-C16-8R-160L	16	16	160	60	8				
BNM-C16-8R-200L	16	16	200	80	8	BNM-200	BNM-10R	-	T20
BNM-C20-8R-160L	16	20	160	80	8				
BNM-C20-10R-160L	20	20	160	60	10				
BNM-C20-10R-200L	20	20	200	80	10	BNM-250	BNM-12.5R	-	T25
BNM-C25-10R-250L	20	25	250	100	10				
BNM-C25-12.5R-180L	25	25	180	65	12.5				
BNM-C32-12.5R-200L	25	32	200	65	12.5				
BNM-C32-12.5R-250L	25	32	250	65	12.5				



EMR圆鼻立铣刀杆
EMR Round dowel end mill



型 号	刃 数	尺 寸						刀 片	压 板	螺 钉	扳 手
Cat. No.	Teeth	D	d	L	L1	L2	a	Insert	Clamp screw	Clamp	Wrench
EMR-C10-2.5R12-120L	2	12	10	120	30	-	2.5	RD**0517	M2*4	-	T6
EMR-C10-2.5R10-120L	2	10	10	120	30	-	2.5				
EMR-C12-2.5R12-120L	2	12	12	120	30	-	2.5				

ASM直角台肩精铣刀杆
ASM Right angle shoulder end mill



型 号	刃 数	尺 寸						刀 片	压 板	螺 钉	扳 手
Cat. No.	Teeth	D	d	L	L1			Insert	Clamp screw	Clamp	Wrench
ASM07-C10-10-100L	2	10	10	120	30			JD**0702	M1.8*4	-	T6
ASM07-C10-12-120L	2	12	10	120	30						
ASM07-C12-12-120L	2	12	12	120	30						

SD-新型倒角刀
SD Chamfer mills



- 每个刀片具有四个刀刃，经济耐用
- 倒角、切端面槽



型 号	刃 数	倒 角 范 围	尺 寸				刀 片	压 板	螺 钉	扳 手
Cat. No.	Teeth	Chamfering range	D	D1	d	L	Insert	Clamp screw	Clamp	Wrench
SD-C16-16-100L	1	1.5-16	16	1.5	16	100	SP**0903	M4*8	-	T15

适用Suitele:三菱刀片 MITSUBISHI Insert

SSK-45°舍弃式倒角刀
SSK-45° Chamfer mills



- 本铣刀可45° 切削,亦可做倒角
- 适合一般铣床,综合切削中心机



型 号	刃 数	倒 角 范 围	尺 寸				刀 片	压 板	螺 钉	扳 手
Cat. No.	Teeth	Chamfering range	Angle	D	d	L	Insert	Clamp screw	Clamp	Wrench
SSK-C20-20-130L	1	3-20	45	20	20	130	AD**1603	M4*8	-	T15

适用Suitele:日立刀片 HITACHI Insert

SPK 45°内外倒角刀
SPK-45° Chamfer end mill



- 高高刚性设计,适合大切削
- 用于切槽,倒角加工,平面铣削
- 刀片形状为正方形,使用时可转位4次,更经济



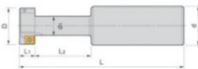
型 号	刃 数	尺 寸						刀 片	压 板	螺 钉	扳 手
Cat. No.	Teeth	D	d	L	L1			Insert	Clamp screw	Clamp	Wrench
SPK-C20-25-110L	2	25	20	110	45			SP**0903	M4*9	-	T15
SPK-C25-25-150L	2	25	25	150	45						
SPK-C25-30-150L	2	30	25	150	45						

适用Suitele:三菱刀片 MITSUBISHI Insert

ATS T型槽端铣刀
ATS T-slots end mills



- 清槽加工须注意排屑问题,必要时须以喷雾装置排出切屑
- 本T型设计为粗切削,如须要求尺寸精度,须另行精修
- 特殊规格可接受定制



型 号	刃 数	尺 寸						刀 片	压 板	螺 钉	扳 手
Cat. No.	Teeth	D	d	L	L1	L1		Insert	Clamp screw	Clamp	Wrench
ATS-25-11-110L	2	25	25	12.5	110	11	21	CC**0602	M2.5*6	-	T8
ATS-32-14-120L	4	32	32	16	120	14	30	CC**0803	M3*6	-	T8
ATS-40-18-130L	4	40	32	20	130	18	32	CC**09T3	M4*10	-	T15
ATS-50-22-140L	4	50	32	26	140	22	39	CC**1204	M5*12	-	T20

适用Suitele:日立刀片 HITACHI Insert

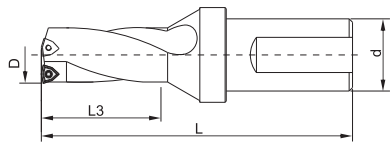
WCGX 快速钻头 2XD

浅孔钻 2XD
快速钻削加工

WCGX 舍弃式快速钻头 (Throw-Away High Speed Drills)

2XD (2倍长)

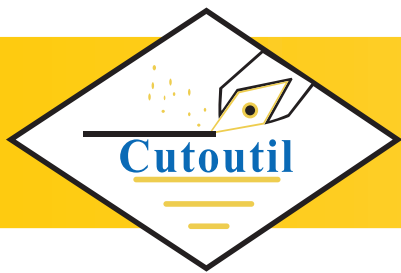
2XD (2倍长)



型号规格	D	L	L3	d	刀片及配件规格
C25-SD15-30L	15	112	30	25	WCGX030208-DG MS2.5X5.5.T8
C25-SD16-32L	16	114	32	25	
C25-SD17-34L	17	116	34	25	
C25-SD18-36L	18	119	36	25	
C25-SD19-38L	19	122	38	25	
C25-SD20-40L	20	125	40	25	WCGX040208-DG MS2.5X6.T8
C25-SD21-42L	21	127	42	25	
C32-SD22-44L	22	129	44	32	
C32-SD24-48L	24	135	48	32	
C32-SD25-50L	25	138	50	32	
C32-SD26-52L	26	144	52	32	WCGX050308-DG MS3.0X8.T10
C32-SD27-54L	27	146	54	32	
C32-SD28-56L	28	149	56	32	
C32-SD29-58L	29	151	58	32	
C32-SD30-60L	30	155	60	32	
C32-SD31-62L	31	158	62	32	WCGX06T308-DG MS3.5X10.T15
C32-SD32-64L	32	160	64	32	
C32-SD34-68L	34	165	68	32	
C32-SD35-70L	35	168	70	32	
C32-SD36-72L	36	171	72	32	
C32-SD37-74L	37	173	74	32	WCGX080412-DG MS4.0X10.T15
C32-SD38-76L	38	176	76	32	
C32-SD39-78L	39	178	78	32	
C40-SD40-80L	40	191	80	40	
C40-SD41-82L	41	194	82	40	
C40-SD44-88L	44	196	88	40	WCGX080412-DG MS4.0X10.T15
C40-SD45-90L	45	203	90	40	
C40-SD47-94L	47	206	94	40	
C40-SD49-98L	49	214	98	40	
C40-SD50-100L	50	214	100	40	
C40-SD54-108L	54	214	108	40	WCGX080412-DG MS4.0X10.T15
C40-SD59-118L	59	223	118	40	
C40-SD60-120L	60	223	120	40	

注意事项:

- 1.使用快速钻头请尽量保证高压中心出水,以增加刀片寿命和排屑;
- 2.使用在CNC车床时刀具中心点与机床主轴中心尽量平行;
- 3.CNC车床使用如需扩孔,刀片外刃必须和刀塔移动角度平行。

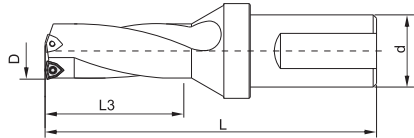


WCGX 快速钻头 3XD

浅孔钻 3XD
快速钻削加工

WCGX 舍弃式快速钻头 (Throw-Away High Speed Drills)

3XD (3倍长)



3XD (3倍长)

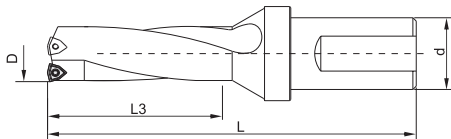
型号规格	D	L	L3	d	刀片及配件规格
C25-SD15-45L	15	128	45	25	WCGX030208-DG MS2.5X6.T8
C25-SD16-48L	16	130	48	25	
C25-SD17-51L	17	133	51	25	
C25-SD18-54L	18	137	54	25	
C25-SD19-57L	19	140	57	25	
C25-SD20-60L	20	145	60	25	
C25-SD21-63L	21	148	63	25	WCGX040208-DG MS2.5X6.T8
C32-SD22-66L	22	151	66	32	
C32-SD24-72L	24	159	72	32	
C32-SD25-75L	25	163	75	32	
C32-SD26-78L	26	170	78	32	WCGX050308-DG MS3.0X8.T10
C32-SD27-81L	27	173	81	32	
C32-SD28-84L	28	177	84	32	
C32-SD29-87L	29	180	87	32	
C32-SD30-90L	30	185	90	32	
C32-SD31-93L	31	189	93	32	WCGX06T308-DG MS3.5X10.T15
C32-SD32-96L	32	192	96	32	
C32-SD34-102L	34	199	102	32	
C32-SD35-105L	35	203	105	32	
C32-SD36-108L	36	203	108	32	
C32-SD37-111L	37	210	111	32	
C32-SD38-114L	38	214	114	32	
C32-SD39-117L	39	217	117	32	
C40-SD40-120L	40	231	120	40	
C40-SD41-123L	41	235	123	40	
C40-SD44-132L	44	245	132	40	WCGX080412-DG MS4.0X10.T15
C40-SD45-135L	45	248	135	40	
C40-SD47-138L	47	255	138	40	
C40-SD49-147L	49	262	147	40	
C40-SD50-150L	50	262	150	40	
C40-SD54-162L	54	262	162	40	
C40-SD59-177L	59	285	177	40	
C40-SD60-180L	60	285	180	40	

WCGX 快速钻头 4XD

浅孔钻 4XD
快速钻削加工

WCGX 舍弃式快速钻头 (Throw-Away High Speed Drills)

4XD (4倍长)



4XD (4倍长)



型号规格	D	L	L3	d	刀片及配件规格
C25-SD15-60L	15	142	60	25	WCGX030208-DG MS2.5X6.T8
C25-SD16-64L	16	146	64	25	
C25-SD17-68L	17	150	68	25	
C25-SD18-72L	18	155	72	25	
C25-SD19-76L	19	159	76	25	
C25-SD20-80L	20	165	80	25	WCGX040208-DG MS2.5X6.T8
C25-SD21-84L	21	169	84	25	
C32-SD22-88L	22	173	88	32	
C32-SD24-92L	24	183	92	32	
C32-SD25-100L	25	188	100	32	WCGX050308-DG MS3.0X8.T10
C32-SD26-104L	26	196	104	32	
C32-SD27-108L	27	200	108	32	
C32-SD28-112L	28	205	112	32	
C32-SD29-116L	29	209	116	32	
C32-SD30-120L	30	215	120	32	WCGX06T308-DG MS3.5X10.T15
C32-SD31-124L	31	220	124	32	
C32-SD32-128L	32	224	128	32	
C32-SD34-136L	34	233	136	32	
C32-SD35-140L	35	238	140	32	
C32-SD39-156L	39	256	156	32	
C40-SD41-164L	41	276	164	40	WCGX080412-DG MS4.0X10.T15
C40-SD44-176L	44	289	176	40	
C40-SD47-188L	47	302	188	40	
C40-SD49-196L	49	311	196	40	
C40-SD54-216L	54	316	216	40	
C40-SD59-236L	59	344	236	40	

切削参数推荐表

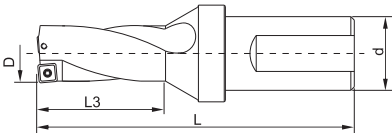
被加工材料	硬度 HB	切削速度Vc/ 进给速度 f (mm/tooth) /钻头直径			
		16-22mm	22.5-30mm	30.5-40mm	40.5-60mm
低碳钢	80-180	80-150/0.06-0.1	90-160/0.05-0.1	100-180/0.05-0.1	110-200/0.05-0.1
中碳钢	150-225	70-150/0.06-0.1	80-160/0.05-0.1	90-170/0.05-0.1	100-190/0.05-0.1
低合金钢	150-260	60-150/0.05-0.1	70-160/0.05-0.1	80-170/0.05-0.1	90-180/0.05-0.1
高合金钢	150-260	60-150/0.05-0.1	70-160/0.05-0.1	80-160/0.05-0.1	90-170/0.05-0.1
不锈钢	150-250	60-100/0.05-0.1	60-110/0.05-0.1	60-120/0.05-0.1	60-130/0.05-0.1
灰口铸铁	160-220	120-200/0.08-0.15	140-220/0.08-0.15	160-240/0.08-0.15	180-260/0.08-0.15
球墨铸铁	150-260	100-160/0.07-0.12	110-180/0.07-0.12	120-200/0.07-0.12	140-220/0.07-0.12
铝合金		200-280/0.06-0.1	220-300/0.06-0.1	240-320/0.06-0.1	260-340/0.06-0.1



SPGT(SPMG) 快速钻头 2XD

浅孔钻 2XD
快速钻削加工

SPGT,SPMG 舍弃式快速钻头 (Throw-Away High Speed Drills)
2XD (2倍长)



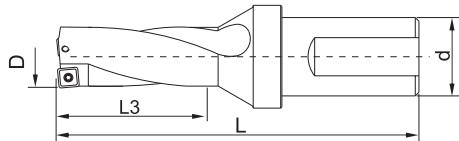
2XD (2倍长)

型号规格	D	L	L3	d	刀片及配件规格
C25-TSD13-26L	13	80	26	25	SPGT050204-DG SPMG050204-DG M2.0X4.3. T6
C25-TSD14-28L	14	82	28	25	
C25-TSD15-30L	15	84	30	25	
C25-TSD16-32L	16	103	32	25	
C25-TSD17-34L	17	105	34	25	SPGT060204-DG SPMG060204-DG M2.2X5. T7
C25-TSD18-36L	18	107	36	25	
C25-TSD19-38L	19	109	38	25	
C25-TSD20-40L	20	111	40	25	
C25-TSD21-42L	21	113	42	25	
C32-TSD22-44L	22	115	44	32	SPGT07T308-DG SPMG07T308-DG M2.5X6. T8
C32-TSD24-48L	24	128	48	32	
C32-TSD25-50L	25	130	50	32	
C32-TSD26-52L	26	132	52	32	
C32-TSD27-54L	28	136	56	32	SPGT090408-DG SPMG090408-DG M3.5X8. T10
C32-TSD28-56L	29	138	58	32	
C32-TSD29-58L	30	140	60	32	
C32-TSD30-60L	31	142	62	32	
C32-TSD31-62L	32	144	64	32	
C32-TSD32-64L	34	148	68	32	SPGT110408-DG SPMG110408-DG M4.0X10. T15
C32-TSD34-68L	35	150	70	32	
C32-TSD35-70L	36	152	72	32	
C32-TSD36-72L	38	156	76	32	
C32-TSD37-74L	39	158	78	32	
C32-TSD38-76L	40	174	80	32	
C32-TSD39-78L	41	176	82	32	
C40-TSD40-80L	42	188	84	40	SPGT140508-DG SPMG140508-DG M5.0X12. T20
C40-TSD41-82L	44	192	88	40	
C40-TSD44-88L	45	194	90	40	
C40-TSD45-90L	46	198	94	40	
C40-TSD47-94L	48	200	96	40	
C40-TSD49-98L	49	202	98	40	
C40-TSD50-100L	50	204	100	40	

SPGT(SPMG) 快速钻头 3XD

浅孔钻 3XD
快速钻削加工

SPGT,SPMG 舍弃式快速钻头 (Throw-Away High Speed Drills)
3XD (3倍长)



3XD (3倍长)

型号规格	D	L	L3	d	刀片及配件规格
C25-SD13-39L	13	93	39	25	SPGT050204-DG SPMG050204-DG M2.0X4.3. T6
C25-SD14-42L	14	96	42	25	
C25-SD15-45L	15	99	45	25	
C25-SD16-48L	16	119	48	25	SPGT060204-DG SPMG060204-DG M2.2X5. T7
C25-SD17-51L	17	122	51	25	
C25-SD18-54L	18	125	54	25	
C25-SD19-57L	19	128	57	25	
C25-SD20-60L	20	131	60	25	
C25-SD21-63L	21	134	63	25	
C32-SD22-66L	22	137	66	32	SPGT07T308-DG SPMG07T308-DG M2.5X6. T8
C32-SD24-72L	24	152	72	32	
C32-SD25-75L	25	155	75	32	
C32-SD26-78L	26	158	78	32	
C32-SD27-81L	28	161	81	32	SPGT090408-DG SPMG090408-DG M3.5X8. T10
C32-SD28-84L	29	167	84	32	
C32-SD29-87L	30	170	87	32	
C32-SD30-90L	31	173	90	32	
C32-SD31-93L	32	176	93	32	
C32-SD32-96L	34	182	96	32	
C32-SD34-102L	35	185	102	32	SPGT110408-DG SPMG110408-DG M4.0X10. T15
C32-SD35-105L	36	188	105	32	
C32-SD36-108L	38	194	108	32	
C32-SD37-111L	39	197	111	32	
C32-SD38-114L	40	214	114	32	
C32-SD39-117L	41	217	117	32	
C40-SD40-120L	42	220	120	40	SPGT140508-DG SPMG140508-DG M5.0X12. T20
C40-SD41-123L	44	226	123	40	
C40-SD44-132L	45	229	132	40	
C40-SD45-135L	46	235	135	40	
C40-SD47-138L	48	238	138	40	
C40-SD49-147L	49	241	147	40	
C40-SD50-150L	50	244	150	40	

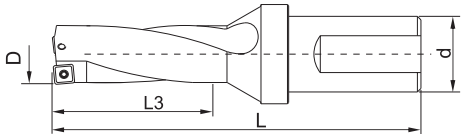


SPGT,SPMG) 快速钻头 4XD

浅孔钻 4XD
快速钻削加工

SPGT,SPMG) 舍弃式快速钻头 (Throw-Away High Speed Drills)
4XD (4倍长)

4XD (4倍长)



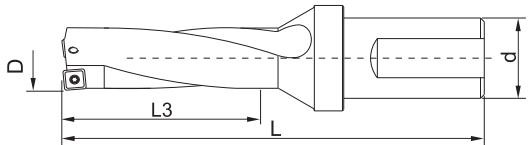
型号规格	D	L	L3	d	刀片及配件规格
C25-TSD13-52L	13	106	52	25	SPGT050204-DG SPMG050204-DG M2.0X4.3. T6
C25-TSD14-56L	14	110	56	25	
C25-TSD15-60L	15	114	60	25	
C25-TSD16-64L	16	135	64	25	SPGT060204-DG SPMG060204-DG M2.2X5. T7
C25-TSD17-68L	17	139	68	25	
C25-TSD18-72L	18	143	72	25	
C25-TSD19-76L	19	147	76	25	
C25-TSD20-80L	20	151	80	25	
C25-TSD21-84L	21	155	84	25	SPGT07T308-DG SPMG07T308-DG M2.5X6. T8
C32-TSD22-88L	22	159	88	32	
C32-TSD24-92L	24	176	92	32	
C32-TSD25-100L	25	180	100	32	
C32-TSD26-104L	26	184	104	32	
C32-TSD27-108L	27	188	108	32	SPGT090408-DG SPMG090408-DG M3.5X8. T10
C32-TSD28-112L	28	192	112	32	
C32-TSD29-116L	29	196	116	32	
C32-TSD30-120L	30	200	120	32	
C32-TSD31-124L	31	204	124	32	
C32-TSD32-128L	32	208	128	32	SPGT110408-DG SPMG110408-DG M4.0X10. T15
C32-TSD34-136L	34	216	136	32	
C32-TSD35-140L	35	220	140	32	
C32-TSD39-156L	39	236	156	32	
C40-TSD40-160L	40	254	164	40	SPGT140508-DG SPMG140508-DG M5.0X12. T20
C40-TSD41-164L	41	258	164	40	
C40-TSD42-168L	42	272	168	40	
C40-TSD44-176L	44	280	176	40	
C40-TSD45-180L	45	284	180	40	
C40-TSD46-184L	46	288	184	40	
C40-TSD47-188L	47	292	188	40	
C40-TSD48-192L	48	296	192	40	
C40-TSD49-196L	49	300	196	40	
C40-TSD50-200L	50	304	200	40	

SPGT,SPMG) 快速钻头 5XD

浅孔钻 5XD
快速钻削加工

SPGT,SPMG) 舍弃式快速钻头 (Throw-Away High Speed Drills)
5XD (5倍长)

5XD (5倍长)



型号规格	D	L	L3	d	刀片及配件规格
C25-TSD16-80L	16	151	80	25	SPGT060204-DG SPMG060204-DG M2.2X5. T7
C25-TSD17-85L	17	156	85	25	
C25-TSD18-90L	18	161	90	25	
C25-TSD19-95L	19	166	95	25	
C25-TSD20-100L	20	171	100	25	
C25-TSD21-105L	21	176	105	25	SPGT07T308-DG SPMG07T308-DG M2.5X6. T8
C32-TSD22-110L	22	181	110	32	
C32-TSD24-120L	24	200	120	32	
C32-TSD25-125L	25	206	125	32	
C32-TSD26-130L	26	210	130	32	
C32-TSD27-135L	27	215	135	32	SPGT090408-DG SPMG090408-DG M3.5X8. T10
C32-TSD28-140L	28	220	140	32	
C32-TSD29-145L	29	225	145	32	
C32-TSD30-150L	30	230	150	32	
C32-TSD31-155L	31	236	155	32	
C32-TSD32-160L	32	240	160	32	SPGT110408-DG SPMG110408-DG M4.0X10. T15
C32-TSD34-170L	34	260	170	32	
C32-TSD35-175L	35	286	175	32	
C32-TSD36-180L	36	279	180	32	
C32-TSD37-185L	37	275	185	32	
C32-TSD38-190L	38	260	190	32	
C32-TSD39-195L	39	285	195	32	
C40-TSD40-200L	40	304	200	40	
C40-TSD41-205L	41	309	205	40	



Cutoutil Tool Holders

2017

Tool Holders

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etc . Welcome to enquiry cutoutil@hanvitools.com

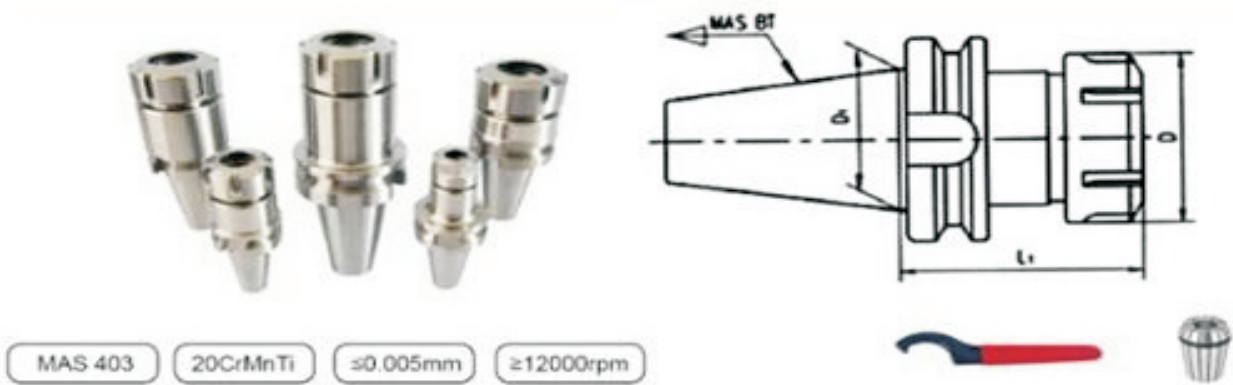
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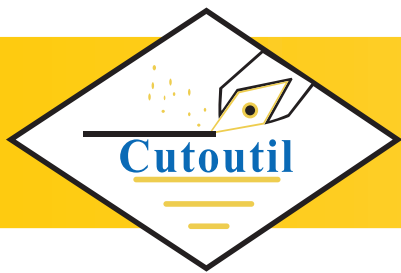


BT*ER Colloets Holders

BT*ER High-speed & Fine-balanced Collets Holder



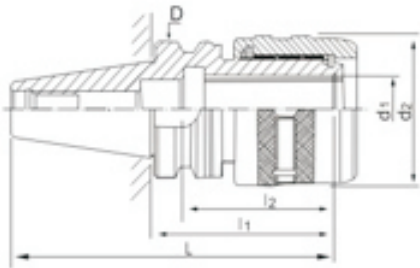
Model	L1	D	D1
BT30*ER25-70	70	42	31.75
BT30*ER32-135	135	42	31.75
BT30*ER32-100	100	50	31.75
BT30*ER40-80	80	63	31.75
BT40*ER25-70	70	42	44.45
BT40*ER25-100	100	42	44.45
BT40*ER25-100	125	42	44.45
BT40*ER25-150	150	42	44.45
BT40*ER32-70	70	50	44.45
BT40*ER32-100	100	50	44.45
BT40*ER32-150	150	50	44.45
BT40*ER40-80	80	63	44.45
BT40*ER40-100	100	63	44.45
BT40*ER40-120	120	63	44.45
BT40*ER40-150	150	63	44.45
BT50*ER25-105	105	42	69.85
BT50*ER25-135	135	42	69.85
BT50*ER25-165	165	42	69.85
BT50*ER32-100	100	50	69.85
BT50*ER32-120	120	50	69.85
BT50*ER32-150	150	50	69.85
BT50*ER32-200	200	50	69.85
BT50*ER40-100	100	63	69.85
BT50*ER40-120	125	63	69.85
BT50*ER40-135	135	63	69.85
BT50*ER40-150	150	63	69.85



工具系统 TOOLS SYSTEM

刀柄部分 Toolholding systems

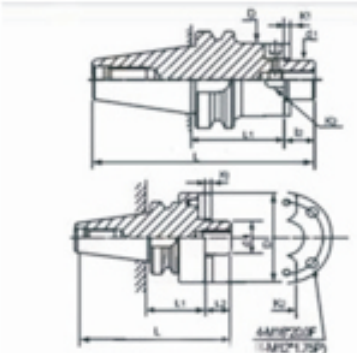
强力型铣刀柄BT-C



刀具规格型号 Type of Milling Tools

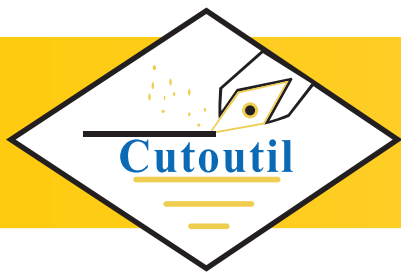
型号 Cat.No	L	L1	L2	D	配用夹头 d1	d2
BT 30-C 20-80	128.4	80	70	46	C20	55
BT 40-C 20-80	145.4	80	70	63	C20	55
BT 40-C 20-105	170.4	105				
BT 40-C 20-135	200.4	135				
			75		C32	73
BT 40-C 32-135	200.4	135				
			70		C20	55
BT 50-C 20-135	236.8	135				
BT 50-C 32-105	206.8	105	75	100	C32	73
BT 50-C 32-165	266.8	165				
			90		C42	90
BT 50-C 42-135	236.8	135				

306-普通平面铣刀柄（公制轴芯）BT-FMB

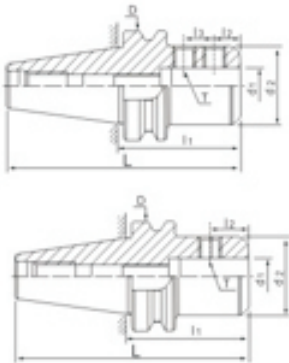


刀具规格型号 Type of Milling Tools

型号 Cat No	Fig	L	l1	l2	D
BT30-FMB22-45	I	111.4	45	18	48
BT30-FMB22-60	I	126.4	60		
BT30-FMB27-45	I	113.4	45	20	60
BT30-FMB27-65	I	128.4	60		
BT30-FMB32-45	I	115.4	45	22	78
BT30-FMB32-60	I	130.4	60		
BT40-FMB22-45	I	128.4	45	18	48
BT40-FMB22-60	I	143.4	60		
BT40-FMB22-100	I	183.4	100		
BT40-FMB22-150	I	233.4	150		
BT40-FMB22-200	I	283.4	200		
BT40-FMB22-250	I	333.4	250	20	60
BT40-FMB27-45	I	130.4	45		
BT40-FMB27-60	I	145.4	60		
BT40-FMB27-100	I	185.4	100	22	78
BT40-FMB32-45	I	132.4	45		
BT40-FMB32-60	I	147.4	60	25	89
BT40-FMB40-60	I	150.4	60		
BT50-FMB22-45	I	164.8	45	18	48
BT50-FMB22-60	I	179.8	60		
BT50-FMB22-100	I	219.8	100		
BT50-FMB22-150	I	269.8	150		
BT50-FMB22-200	I	319.8	200		
BT50-FMB22-250	I	369.8	250		
BT50-FMB22-300	I	419.8			
BT50-FMB22-350	I	469.8	350		
BT50-FMB22-400	I	519.8	400		
BT50-FMB22-500	I	619.8	500		
BT50-FMB27-45	I	166.8	45	20	60
BT50-FMB27-60	I	181.8	60		
BT50-FMB27-100	I	221.8	100		
BT50-FMB32-45	I	168.8	45	22	78
BT50-FMB32-60	I	183.8	60		
BT50-FMB40-60	I	186.8	60	25	89
BT50-FMB60-75	I	201.8	75		



306-侧固式型 铣刀柄BT-SLA



刀具规格型号Type of Milling Tools

型号 Cat No	d1	d2	l1	L	l2	l3	D	T
BT30-SLA6-60	6	25	60	108.4	18	—	46	M6*1.0P
BT30-SLA8-60	8	28	60	108.4	18			M8*1.25P
BT30-SLA10-60	10	35	60	108.4	20			M10*1.5P
BT30-SLA12-60	12	42	60	108.4	22.5			M12*1.75P
BT30-SLA16-75	16	48	75	123.4	24			M14*2.0P
BT30-SLA20-75	20	52	75	123.4	25			M16*2.0P
BT30-SLA25-90	25	65	90	138.4	24	25		M18*2.0P
BT30-SLA32-100	32	72	100	148.4	24	28		M20*2.0P
BT40-SLA6-60	6	25	60	125.4	18	—	63	M6*1.0P
BT40-SLA8-60	8	28	60	125.4	18			M8*1.25P
BT40-SLA10-60	10	35	60	125.4	20			M10*1.5P
BT40-SLA12-60	12	42	60	125.4	22.5			M12*1.75P
BT40-SLA16-75	16	48	75	125.4	24			M14*2.0P
BT40-SLA20-75	20	52	75	125.4	25			M16*2.0P
BT40-SLA25-100	25	65	100	165.4	24	25		M18*2.0P
BT40-SLA32-100	32	72	100	165.4	24	28		M20*2.0P
BT40-SLA40-100	40	90	100	165.4	30	32		M20*2.0P
BT50-SLA6-90	6	25	90	191.8	18	—	100	M6*1.0P
BT50-SLA8-90	8	28	90	191.8	18			M8*1.25P
BT50-SLA10-90	10	35	90	191.8	20			M10*1.5P
BT50-SLA12-90	12	42	90	191.8	22.5			M12*1.75P
BT50-SLA16-90	16	48	90	191.8	24			M14*2.0P
BT50-SLA20-105	20	52	105	206.8	24	25		M16*2.0P
BT50-SLA25-105	25	65	105	206.8	24	28		M18*2.0P
BT50-SLA32-105	32	72	105	206.8	24			M20*2.0P
BT50-SLA40-120	40	90	120	221.8	30	32		M20*2.0P

ER Collets Chuck Set

BT*ER Collets Chuck Set



BT Holders : MAS403:

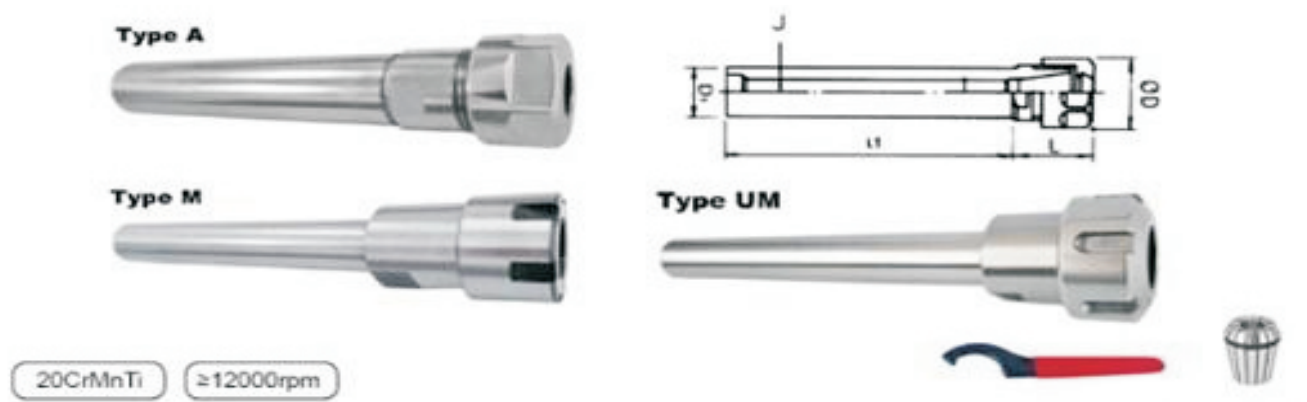
ER Collets: DIN6499B

Model	Qty &Sixes	Bar Thread
BT30-60L*ER16	8PCS(3-10mm)	M12*1.75P
BT30-60L*ER32	6PCS(6-20mm)	M12*1.75P
	11PCS(4-20mm)	
BT40-70L*ER16	18PCS(3-20mm)	M12*1.75P
	8PCS(3-10mm)	
BT40-70L*ER32	6PCS(6-20mm)	M16*2.0P
	11PCS(4-20mm)	
BT40-80L*ER40	18PCS(3-20mm)	M16*2.0P
	78PCS(6-25mm)	
BT40-100L*ER16	158PCS(4-26mm)	M16*2.0P
	238PCS(4-26mm)	
BT40-100L*ER20	8PCS(3-10mm)	M12*1.75P
	11PCS(3-13mm)	
BT40-100L*ER20	6PCS(6-20mm)	M16*2.0P
	11PCS(4-20mm)	
BT40-100L*ER40	18PCS(3-20mm)	M16*2.0P
	7PCS(6-25mm)	
BT40-100L*ER40	15PCS(4-26mm)	M16*2.0P
	23PCS(4-26mm)	
BT50-100L*ER32	6PCS(6-20mm)	M24*3.0P
	11PCS(4-20mm)	
BT50-100L*ER40	18PCS(3-20mm)	M24*3.0P
	7PCS(6-25mm)	
BT50-100L*ER40	15PCS(4-26mm)	M24*3.0P
	23PCS(4-26mm)	
BT50-150L*ER32	6PCS(6-20mm)	M24*3.0P
	11PCS(4-20mm)	
BT50-150L*ER32	18PCS(3-20mm)	M24*3.0P
	7PCS(6-25mm)	
BT50-150L*ER40	15PCS(4-26mm)	M24*3.0P
	23PCS(4-26mm)	



ER Collets Extension Bar

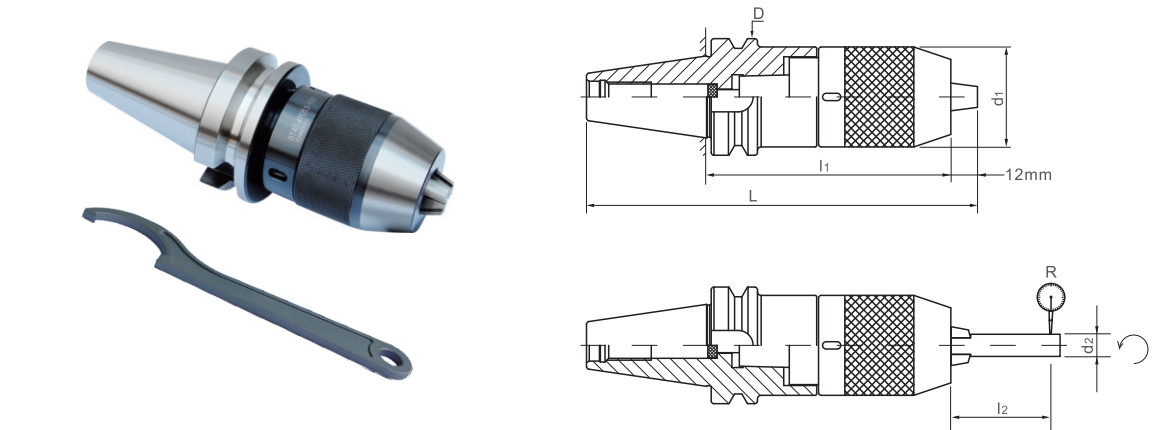
ER Collets Extension Bar



Model	L	L1	D	D1
C16*ER16-50	35.1	50	16	28
C16*ER16-100	35.1	100	16	28
C16*ER16-150	35.1	150	16	28
C20*ER16-50	35.1	50	20	28
C20*ER16-100	35.1	100	20	28
C20*ER16-150	35.1	150	20	28
C20*ER20-60	40.5	60	20	34
C20*ER20-120	40.5	120	20	34
C20*ER20-180	40.5	180	20	34
C20*ER20-140	35.1	140	20	34
C20*ER25-50	51	50	20	42
C20*ER25-100	51	100	20	42
C20*ER32-50	51.5	50	20	50
C20*ER32-100	51.5	100	20	50
C25*ER16-150	35.1	150	25	26
C25*ER20-140	35.1	140	25	34
C25*ER25-50	51	50	25	42
C25*ER25-100	51	100	25	42
C25*ER32-50	51.5	50	25	50
C25*ER40-50	65	50	25	63
C32*ER25-50	51	50	32	42
C32*ER32-60	51.5	60	32	50
C32*ER40-50	65	50	32	63

BT00-APU 一体式钻夹头

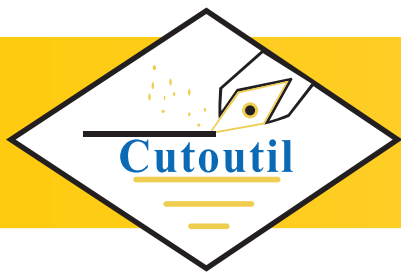
BT-APU 一体式钻夹头
BT-APU integrated keyless drill chuck



MAS403BT

型 号 Cat. No	L	L1	L2	D	d1	d2	夹持范围 Clamping range	R
BT30-APU8-80	140.4	80	55	46	37	8	0.5-8	R≤0.05
BT30-APU13-110	170.4	110	75		50	13	1-13	
BT30-APU16-110	170.4	110	80		57	16	1-16	
BT40-APU8-85	162.4	85	55	63	37	8	0.5-8	
BT40-APU13-100	177.4	100	75		50	13	1-13	
BT40-APU13-130	207.4	130	75		57	16	1-16	
BT40-APU16-105	182.4	105	80					
BT40-APU16-135	207.4	130	80		57	16	1-16	
BT50-APU8-90	203.8	90	55	100	37	8	0.5-8	
BT50-APU13-100	213.8	100	75		50	13	1-13	
BT50-APU13-130	243.8	130	75					
BT50-APU13-180	293.8	180	75					
BT50-APU16-105	218.8	105	80		57	16	1-16	
BT50-APU16-130	243.8	130	80					
BT50-APU16-190	303.8	190	80					

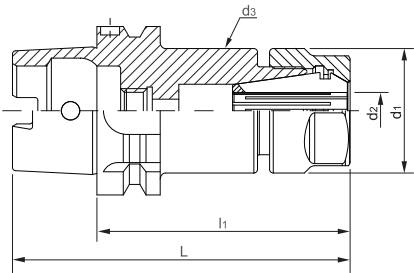
配套件含扳手 Standard fitting contains spanner



HSK-A-ER-A/M/UM 铣刀柄

HSK-A-ER-A/M/UM 铣刀柄
HSK-A-ER-A/M/UM Mill chuck

最高工作转速
max speed
24000(min⁻¹)



DIN 69893-A
DIN 6499

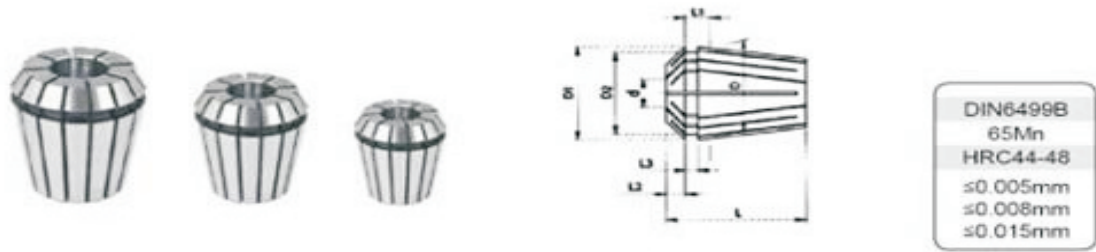
型号 Cat. No	L1	L	d1	夹持范围d2 Clamping range	适用螺帽 Applied nut	d3
HSK-A63-ER16A-100	100	132	28	0.5-10	ER16A	28
HSK-A63-ER16A-150	150	182	28	0.5-10	ER16A	28
HSK-A63-ER20A-100	100	132	34	0.5-13	ER20A	34
HSK-A63-ER20A-150	150	182	34	0.5-13	ER20A	34
HSK-A63-ER25UM-100	100	132	42	0.5-16	ER25UM	42
HSK-A63-ER25UM-150	150	182	42	0.5-16	ER25UM	42
HSK-A63-ER32UM-100	100	132	50	2.0-20	ER32UM	50
HSK-A63-ER32UM-150	150	182	50	2.0-20	ER32UM	50
HSK-A63-ER40UM-100	100	132	63	5.0-26	ER40UM	63
HSK-A63-ER40UM-150	150	182	63	5.0-26	ER40UM	63
HSK-A100-ER16A-100	100	150	28	0.5-10	ER16A	28
HSK-A100-ER16A-150	150	200	28	0.5-10	ER16A	28
HSK-A100-ER20A-100	100	150	34	0.5-13	ER20A	34
HSK-A100-ER20A-150	150	200	34	0.5-13	ER20A	34
HSK-A100-ER25UM-100	100	150	42	0.5-16	ER25UM	42
HSK-A100-ER25UM-150	150	200	42	0.5-16	ER25UM	42
HSK-A100-ER32UM-100	100	150	50	2.0-20	ER32UM	50
HSK-A100-ER32UM-150	150	200	50	2.0-20	ER32UM	50
HSK-A100-ER40UM-100	100	150	63	5.0-26	ER40UM	63
HSK-A100-ER40UM-150	150	200	63	5.0-26	ER40UM	63

扳手须另行购置 The spanner must purchase alone

ER Collets

ER Spring Collets

ER Collets are applied for a variety of processing, including drilling, milling, tapping & grinding



Model	European Ref No	D	D1	D2	L	L1	L2	L3
Er8		8	8.5	6.5	13.5	2.7	2.5	1.2
ER11	424E	11	11.5	9.5	18	3.8	2.5	2
ER16	426E	16	17	13.8	27.5	6.26	4	2.7
ER20	426E	20	21	17.4	31.5	6.36	4.8	2.8
ER25	430E	25	26	22	34	6.66	5	3.1
ER32	470E	32	33	29.2	40	7.16	5.5	3.6
ER40	472E	32	41	36.2	46	7.66	7	4.1
ER50	477E	50	52	46	60	12.6	8.5	5.5

ER Collets Set

ER8	9PCS	1-5mm (1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5mm)
ER11	5PCS	3-7mm (3, 4, 5, 6, 7mm) if 7PCS, includes 1&2mm
ER16	8PCS	3-10mm (3, 4, 5, 6, 7, 8, 9, 10mm)
ER20	6PCS	3-13mm (3, 4, 5, 8, 10, 13mm)
	11PCS	3-13mm (3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13mm)
ER25	7PCS	4-16mm (4, 6, 8, 10, 12, 14, 16mm)
	15PCS	2-12mm (2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16mm)
ER32	6PCS	6-20mm (6, 8, 10, 12, 16, 20mm)
	11PCS	4-20mm (4, 5, 6, 8, 10, 12, 13, 15, 16, 18, 20mm)
	18PCS	3-20mm (3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20mm)
ER40	7PCS	6-25mm (6, 8, 10, 12, 16, 20, 25mm)
	15PCS	4-26mm (4, 5, 6, 8, 10, 12, 13, 15, 16, 18, 20, 21, 23, 25, 26mm)
	23PCS	4-26mm (4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19..., 26mm)
ER50	12PCS	10-34mm (10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34mm)



ER Collets Set

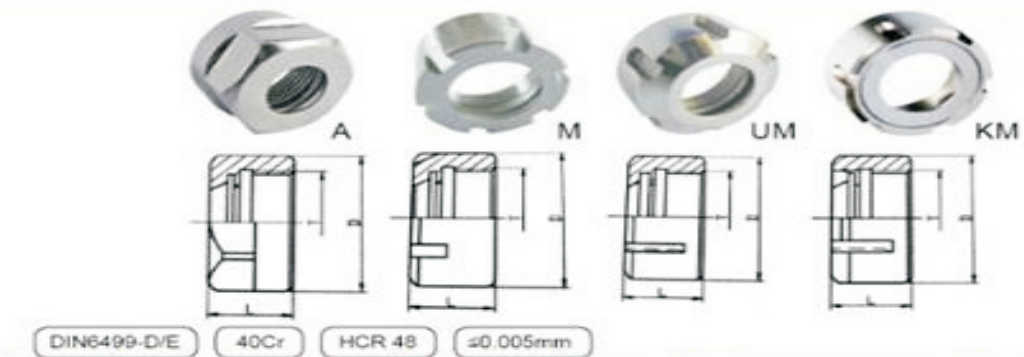
The Clamping Capacity of ER Collets

ER8(mm)	ER11(mm)	ER16(mm)	ER20(mm)	ER25(mm)	ER32(mm)	ER40(mm)	ER50(mm)
1-0.5	3-2.5	3-2	3-2	3-2	3-2	4-3	12-10
1.5-1	3.5-3	4-3	4-3	4-3	4-3	5-4	14-12
2-1.5	4-3.5	5-4	5-4	5-4	5-4	6-5	16-14
2.5-2	4.5-4	6-5	6-5	6-5	6-5	7-6	18-16
3-2.5	5-4.5	7-6	7-6	7-6	7-6	8-7	20-18
3.5-3	5.5-5	8-7	8-7	8-7	8-7	9-8	22-20
4-3.5	6-5.5	9-8	9-8	9-8	9-8	10-9	24-22
4.5-4	6.5-6	10-9	10-9	10-9	10-9	11-10	26-24
5-4.5	7-6.5		11-10	11-10	11-10	12-11	28-26
			12-11	12-11	12-11	13-12	30-28
			13-12	13-12	13-12	14-13	32-30
				14-13	14-13	15-14	34-32
				15-14	15-14	16-15	
				16-15	16-15	17-16	
					17-16	18-17	
					18-17	19-18	
					19-18	20-19	
					20-19	21-20	
						22-21	
						23-22	
						24-23	
						25-24	
						26-25	



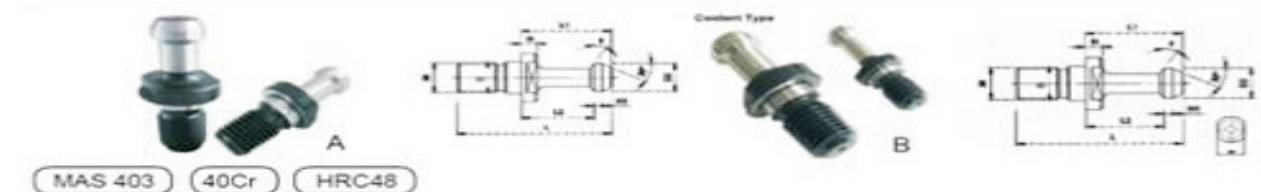
ER Nuts

ER Nuts



Type	Model	D	L	Thread	Wt.
A	ER11	19	11.3	M14* 0.75P	0.02
	ER16	28	17.5	M22* 1.5P	0.05
	ER20	34	19	M25* 1.5P	0.1
M	ER8	12	10.8	M10* 0.75P	0.005
	ER11	16	12	M13* 1.75P	0.01
	ER16	22	18	M19* 1.0P	0.05
	ER20	28	19	M24* 1.0P	0.05
	ER25	35	20	M30* 1.0P	0.08
UM	ER25	42	20	M32* 1.5P	0.14
	ER32	50	22.5	M40* 1.5P	0.2
	ER40	63	25.5	M50* 1.5P	0.3
	ER50	78	35.5	M64* 2.0P	0.5
KM	ER25	42	22.5	M32* 1.5P	0.13
	ER32	50	26	M40* 1.5P	0.18
	ER40	63	29	M50* 1.5P	0.3
	ER50	78	40	M54* 2.0P	0.1

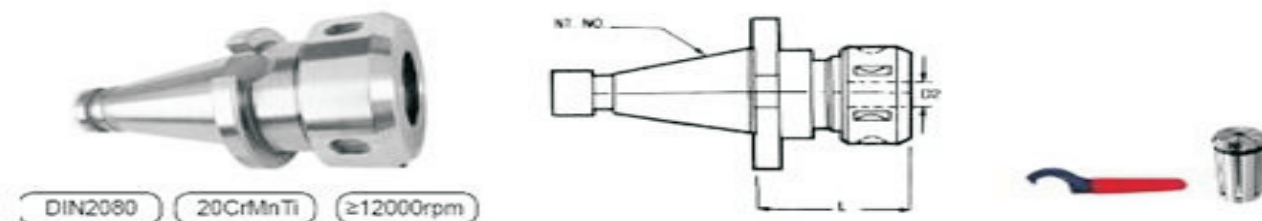
Pill Studs



Model	D	M	L	H	H1	Ø
BT30	12.5	M12	43	5	2.5	45°
BT40	17	M16	60	6	3	45°
BT50	25	M24	85	10	5	45°



NT*OZ Collets Holders



Model	D2	L	Collets	Back Bar Thread
NT30-OZ25-70	3- 25	70	OZ25	M12*1.75P
NT30-OZ32-100	6- 32	100	OZ32	M12*1.75P
NT40-OZ25-70	3- 25	70	OZ25	M16*2.0P
NT40-OZ32-70	6- 32	70	OZ32	M16*2.0P
NT50-OZ25-80	3- 25	80	OZ25	M24*3.0P
NT50-OZ32-80	6- 32	80	OZ32	M24*3.0P

MT*OZ Collets Holders



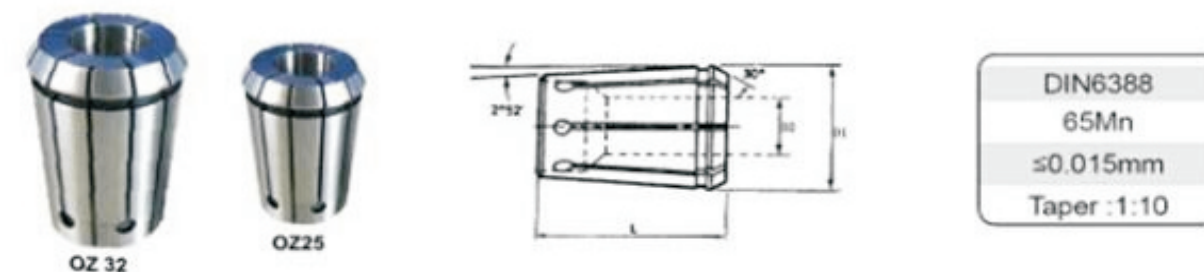
Model	D2	L1	Collets	Back Bar Thread
MT3-OZ25-60	3- 25	60	OZ25	M10*1.0P
MT4-OZ25-60	3- 25	60	OZ28	M16*2.0P
MT5-OZ25-75	3- 25	75	OZ28	M24*3.0P
MT5-OZ25-75	6- 32	75	OZ32	M24*3.0P

R8*OZ Collets Holders



Model	D2	L1	Collets	Back Bar Thread
R8-OZ25-60	3- 25	60	OZ25	7/16-20UNF M12*1.75P

ER Collets ExtensionBar



Model	D1	L		D2
OZ25	35.5	52	Metric	3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 1, 3, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25
			Inch	1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1"
OZ32	44	60	Metric	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
			Inch	1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1 1/8", 1 1/4"

OZ Collets Sets (OZ Collets = EOCA Collets)



Model	D1	L	D2
OZ25	7PCS /SET	Metric	6, 8, 10, 12, 16, 20, 25mm
		Inch	1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 1"
	15PCS /SET	Metric	3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 16, 18, 20, 25mm
		Inch	1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1"
OZ32	8PCS /SET	Metric	6, 8, 10, 12, 16, 20, 25, 32mm
		Inch	1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 1", 1 1/4"
	15PCS /SET	Metric	6, 7, 8, 9, 10, 11, 12, 13, 16, 18, 20, 25, 30, 32mm
		Inch	1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1 1/8", 1 1/4"



Boring Heads

镗头与镗头

Boring Heads & Boring Cutters

镗头 Boring Heads



Model	D	H	Max Offset	Boring bar Dia.	Min Graduation	Dia of Boring
F1-1/2"	50	61.6	5/8"	1/2"	0.001"	3/8"-5"
F1-3/4"	75	80.2	1"	3/4"	0.005"	1/2"-9"
F1-1"	100	93.2	1-5/8"	1"		5/8"- 12"
F1-12	50	61.6	16mm	12mm	0.01mm	10-125mm
F1-18	75	80.2	25mm	18mm		12-225mm
F1-25	100	93.2	41mm	25mm		15-320mm

镗刀 Boring Cutters



The Technological Data of F1 Type Boring Heads

Metric			Inch		Qty.of Boring Cutters	Bar Thread
Dia.of Boring Holes	Dia.of Boring Hesds	Boring Capacity	Dia.of Boring Holes	Dia.of Boring Hesds		
F1--12mm	50mm	10-125mm	F1-2"	1/2"	9PCS	7/8-20 ;1-1/2-18
F1--18mm	75mm	12-225mm	F1- 3"	3/4"	12PCS	1-1/2-18
F1--25mm	100mm	15-320mm	F1- 4"	1"	6PCS	1-1/2-18

Tapping Collets

丝锥夹套

Tapping Collets



Model		Capacity	d	D	D1	L	W
GT12	-3	M3	19	38	3.15	54	2.5
	-4	M4			4		3
	-5	M5			5		4
	-6	M6			6.3		5
	-8	M8			6.3		5
	-10	M10			8		6.3
	-12	M12			9		7.1
GT24	-12	M12	30	58	9	79.5	7.1
	-14	M14			11.2		9
	-16	M16			12.5		10
	-18	M18			14		11.2
	-20	M20			14		11.2
	-22	M22			16		12.5
	-24	M24			18		14
GT42	-24	M24	45	85	18	117	14.05
	-27	M27			20		16.05
	-30	M30			20		16.05
	-33	M33			22.4		18.05
	-36	M36			25		20.05
	-39	M39			28		22.45
	-42	M42			28		22.45





Automatic Drill Chucks

自紧式钻夹头 Automatic Drill Chucks



锥孔连接自紧式钻夹头 Taper-fitting Automatic Drill Chucks

Model	Capacity	Taper	d	h	D	L	I
J0106	0.5-6	B10	10.094	14.5	35	67	61
J0206	1/64"-1/4"	JT1	9.754	16.669	35	67	61
J0110	1-10	B12	12.065	18.5	42	86	78
J0210	1/32"-3/8"	JT2	14.199	22.225	42	86	78
J0113	1-13	B16	15.733	24	44	97	88
J0213	1/32"-1/2"	JT33	15.85	25.4	44	97	88
J0116A	3-16	B16	15.733	24	48	102	92
J0216	1/8"-5/8"	JT6	17.170	25.4	48	102	92
J0116	3-16	B18	17.78	32	48	108	98
J0216	1/8"-5/8"	JT3	20.599	30.956	48	108	98
J0120	5-20	B22	21.3	30.5	53	115	103
J0220	3/16"-3/4"	JT3	20.599	30.956	53	115	103

螺纹孔连接自紧式钻夹头 Thread mounted Automatic Drill Chucks

Model	Capacity	Thread	h	D	L	I
J0306	1/64"-1/4"	3/8"-24UNF	14	35	67	61
J0308	1/64"-5/16"	3/8"-24UNF	14	42	86	78
J0310A	1/32"-3/8"	3/8"-24UNF	14	42	86	78
J0310B	1/32"-3/8"	1/2"-24UNF	16	42	86	78
J0313A	1/32"-1/2"	1/2"-24UNF	16	44	90	81
J0313B	1/32"-1/2"	3/8"-24UNF	14	44	90	81
J0316A	1/8"-5/8"	1/2"-24UNF	16	48	102	92
J0316C	1/8"-5/8"	5/8"-16UN	18	48	102	92

* Please state light or heavy duty as you prefer when ordering.

寻边器

OP 光电式寻边器
OP Electronic edge finder with led and beep



型号 Cat. No	柄径 Shank diameter	长度 Length	测头 Ball probe
OP-20	20	155	10
OP-32	32	155	10





Solid Carbide Square End Mill Standard Type (U-Series HRC55)

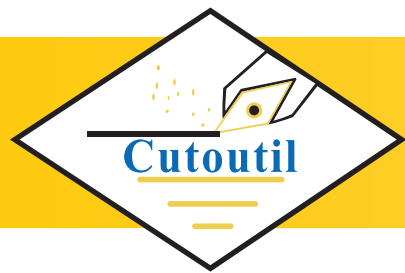


Product Description

U-Series Ultra Fine Micro Grain Square end mill D1-D20mm, 2Flutes-4Flutes
Helix angle: 35 Upto: HRC55 Middle to High Speed

- 1. Micro grain carbide rod:
WC=90%, Co=10%, TRS>4000N/mm2; Hardness>92HRA, Grain size: 0.5um; High quality of wear ability and impact
- 2. Made by world latest 5-AXIS CNC tools grinder, promise the quality and precision of cutter.
- 3. Super ALTiN reduce the coeffiction of friction, and improve the tools life much.
- 4. Each end mill is inspected by Zoller measuring and inspected machine.
- 5. We accept the specification as your requirement.
- 6. Work Piece: Suitable for processing steel , stainless steel,nickel alloy ,Titanium alloy ,cast iron , plastic and other materials' hardness below HRC55

(Order No)	Cutting	Flute	Shank	A.O.L
	d	l	D	L
1.0×3×4D×50L×4F	1	3	4	50
1.5×4×4D×50L×4F	1.5	4		
2.0×6×4D×50L×4F	2	6		
2.5×8×4D×50L×4F	2.5	8		
3.0×8×4D×50L×4F	3	8		
3.5×10×4D×50L×4F	3.5	10		
4.0×11×4D×50L×4F	4	11		
3.0× 8×6D×50L×4F	3	8	6	50
3.5×10×6D×50L×4F	3.5	10		
4.0×11×6D×50L×4F	4	11		
4.5×13×6D×50L×4F	4.5	13		
5.0×13×6D×50L×4F	5	13		
5.5×13×6D×50L×4F	5.5	13		
6.0×15×6D×50L×4F	6	15		
7.0×16×8D×60L×4F	7	16	8	60
8.0 ×20×8D×60L×4F	8	20		
9 ×20×10D×75L×4F	9	20	10	75
10×25×10D×75L×4F	10	25		
11×25×12D×75L×4F	11	25	12	
12×30×12D×75L×4F	12	30		
14×35×14D×100L×4F	14	35	14	100
16×40×16D×100L×4F	16	40	16	
18×40×18D×100L×4F	18	40	18	
20×45×20D×100L×4F	20	45	20	



Solid Carbide Square End Mill
U-Series HRC55 TiAlCrN Coating



(Order No)	Cutting	Flute	Shank	A.O.L
	d	l	D	L
1.0×3×4D×50L×4F	1	3	4	50
1.5×4×4D×50L×4F	1.5	4		
2.0×6×4D×50L×4F	2	6		
2.5×8×4D×50L×4F	2.5	8		
3.0×8×4D×50L×4F	3	8		
3.5×10×4D×50L×4F	3.5	10		
4.0×11×4D×50L×4F	4	11	6	
3.0× 8×6D×50L×4F	3	8		
3.5×10×6D×50L×4F	3.5	10		
4.0×11×6D×50L×4F	4	11		
4.5×13×6D×50L×4F	4.5	13		
5.0×13×6D×50L×4F	5	13		
5.5×13×6D×50L×4F	5.5	13		
6.0×15×6D×50L×4F	6	15		
7.0×16×8D×60L×4F	7	16	8	60
8.0 ×20×8D×60L×4F	8	20		
9 ×20×10D×75L×4F	9	20	10	75
10×25×10D×75L×4F	10	25		
11×25×12D×75L×4F	11	25	12	
12×30×12D×75L×4F	12	30		
14×35×14D×100L×4F	14	35		
16×40×16D×100L×4F	16	40	16	100
18×40×18D×100L×4F	18	40	18	
20×45×20D×100L×4F	20	45	20	

Solid Carbide Square End Mills-Long
Shank (U-Series HRC55)



(Order No)	Cutting	Flute	Shank	A.O.L
	d	l	D	L
6.0×16×6D×75L×2F	6	16	6	75
6.0×16×6D×100L×2F	6	16	6	100
8.0×20×8D×75L×2F	8	20	8	75
8.0 ×20×8D×100L×2F	8	20	8	100
10×25×10D×100L×2F	10	25	10	100
10×25×10D×150L×2F	10	25	10	150
12×30×12D×100L×2F	12	30	12	100
12×30×12D×150L×2F	12	30	12	150



Solid Carbide Square End Mills-Long
Flute (U-Series HRC55)



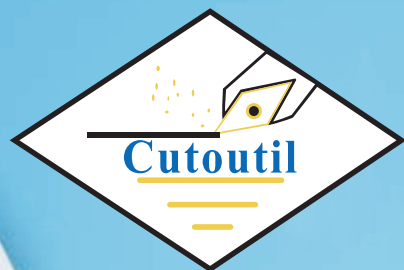
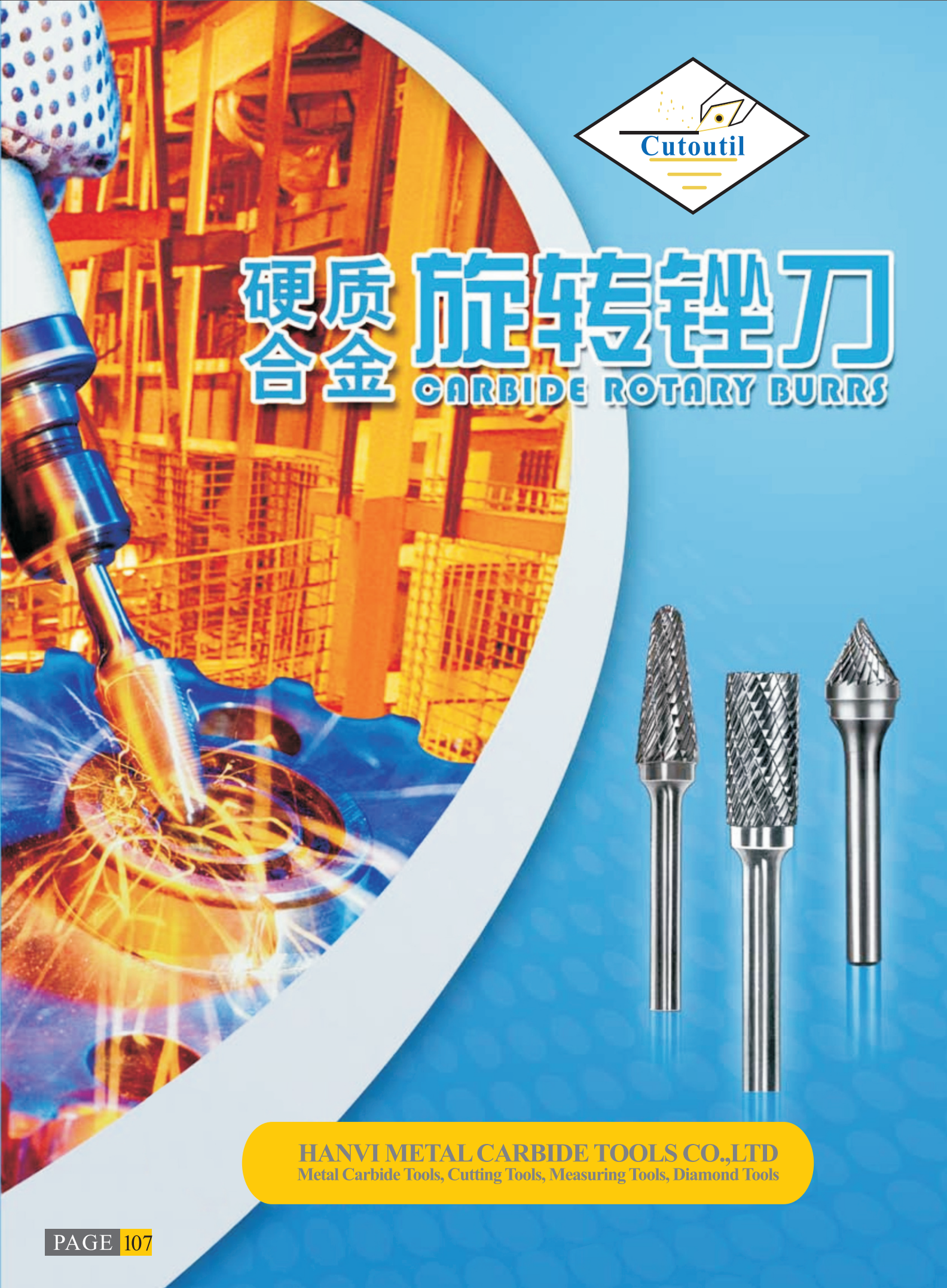
(Order No)	Cutting	Shank	Flute	A.O.L
	d	D	l	L
1.0×7×4D×50L×4F	1	4	7	50
1.5×9×4D×50L×4F	1.5	4	9	50
2.0×12×4D×50L×4F	2	4	12	50
2.5×12×4D×50L×4F	2.5	4	12	50
3.0×15×6D×60L×4F	3	6	15	60
3.5×15×6D×60L×4F	3.5	6	15	60
4.0×20×6D×75L×4F	4	6	20	75
4.5×20×6D×75L×4F	4.5	6	20	75
5.0×25×6D×75L×4F	5	6	25	75
5.5×25×6D×75L×4F	5.5	6	25	75
6.0×30×6D×75L×4F	6	6	30	75
7.0×30×8D×100L×4F	7	8	30	100
8.0×35×8D×100L×4F	8	8	40	100
9.0×40×10D×100L×4F	9	10	40	100
10×40×10D×100L×4F	10	10	40	100
11×40×12D×100L×4F	11	12	40	100
12×45×12D×100L×4F	12	12	50	100
14×50×14D×150L×4F	14	14	50	150
16×60×16D×150L×4F	16	16	60	150
18×70×18D×150L×4F	18	18	70	150

TF10×35×16D×100L×5°	10	35	16	100	5°	16.12
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Solid Carbide Ball-nose End Mills
Standard Type (U-series HRC55)



(Order No)	Cutting	Shank	Flute	A.O.l
	d	D	l	L
R0.5×2×4D×50L×2F	1	4	2	50
R0.75×3×4D×50L×2F	1.5	4	3	50
R1.0×4×4D×50L×2F	2	4	4	50
R1.25×5×4D×50L×2F	2.5	4	5	50
R1.5×6×4D×50L×2F	3	4	6	50
R1.75×7×4D×50L×2F	3.5	4	7	50
R2.0×8×4D×50L×2F	4	4	8	50
R2.5×10×6D×50L×2F	5	6	10	50
R3.0×12×6D×50L×2F	6	6	12	50
R3.5×14×8D×60L×2F	7	8	14	60
R4.0×16×8D×60L×2F	8	8	16	60
R4.5×18×10D×75L×2F	9	10	18	75
R5.0×20×10D×75L×2F	10	10	20	75
R5.5×22×12D×75L×2F	11	12	22	75
R6.0×24×12D×75L×2F	12	12	24	75
R7.0×28×14D×100L×2F	14	14	28	100
R8.0×32×16D×100L×2F	16	16	32	100
R9.0×36×18D×100L×2F	18	18	36	100
R10×40×20D×100L×2F	20	20	40	100



硬质合金 旋转锉刀

CARBIDE ROTARY BURRS

HANVI METAL CARBIDE TOOLS CO.,LTD
Metal Carbide Tools, Cutting Tools, Measuring Tools, Diamond Tools

产品特点：

- 不仅具有高切削硬度（不低于HRC60），而且具有高耐磨、高效率、应用范围广且无粉尘污染的特点。

经营范围：

- 按国际标准ISO7755-1984（E），生产12个型号78各规格的硬质合金旋转锉刀。
- 等效采用ISO7755标准，生产10各型号57个规格的硬质合金磨头（亦称钨钢滚磨刀）。
- 承接来料加工和看样试制、生产各种硬性金属旋转刀具。 aobeidian DongJun Industry Co Ltd is incorporated with researchi

G

eloping Horniness Alloy Circumvolution File

and other Horniness Metal Clrcumvolution File.Gaobeidian Santong Industries Ltd.Co.Possesses well equipments and advanced process.We have been pursuing the policy of Recognition science and technology, Rigorous management", redound on solicitude of social with high quality and low price. We will do our best for all-around apreading Horniness Alloy Circumvolution File and achieving mechanization of locksmith and sculpting in China.

Production Characteristic:

- High cutting rigidity(higher than HRC60).
- High wearable and high ef ciency.
- No dust pollution.

Production Types:

- 12 models, 78 speci cations for Horniness Alloy Circumvolution,.File with ISO 7755-1984(E) Standard.
- 10 models, 57 speci cations for Horniness Alloy Grind Bitequivalent with ISO 7755 standard

Service Scope:

- Eesearch and manufacture as well as machining for various Horniness Alloy Circumvolution File.

旋转锉刀齿型说明

TION OF CUT TYPE ROTARY FILE

EXPLANA

齿型代号



标准齿
常见通用
常规产品



密齿
选用订购
按需供应



粗齿
选用订购
按需供应



交叉齿
选用订购
按需供应

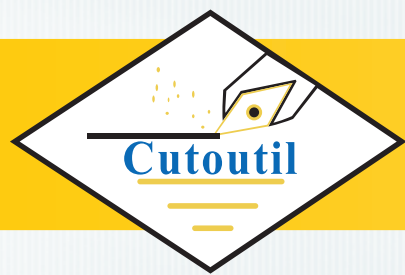
编号（标识）说明

编号	字母	数字	数字	字母	数字
	外型	刃径	刃长	齿型	杆径
例1	A	02	10	M（标准齿）	06
例2	C	08	20	F（细刃）	08



■ 操作切削时，必须自始至终佩戴防护罩。

- 加长刀具应减速操作。
- 根据加工材质不同采用高低不同的速度。



用途与特点 ADVANTAGES AND APPLICATION

硬质合金旋转锉是钳工机械化不可缺少的工具，其用途极为广泛，尤其在航空、船舶、汽车、机械、化工等工业部门使用效果更为显著。它可以用来加工铸铁、铸钢、碳素钢、合金钢、不锈钢、淬硬钢、铜和铝等。

- 可以加工各种金属材料，还能加工≤HRC 65的淬硬钢
- 可以代替带柄小砂轮加工，无粉尘污染
- 生产效率比用一般手工锉刀加工可提高数十倍，比用小砂轮加工也可提高效率3~5倍
- 刀具耐用度比高速钢刀具可提高十倍，比用小砂轮的耐用度也可提高50倍以上。
- 可以精加工各种形状的金属模腔。
- 清理铸、锻、焊件的飞边、焊缝和毛刺。
- 各种机械零件的倒角，倒圆和沟槽加工。
- 清理管道
- 叶轮流道的光整加工。
- 精加工机械零件的内孔表面。

Using Carbide Rotary Burrs is a effective way to realize mechanization in hand work operations.In the industries of airplane,ship building,automobile,machinery,chemistry etc. Carbide Rotary Burrs can be widely used in machining iron,steel casting,carbon steel,alloy steel,stainless steel,hardened steel,copper aluminium etc.

- Machining various kinds of metal material including ≤HRC65 hardened steel.
- Instead of small emery wheels, without powder pollution.
- Increasing productivity of several ten times than using hand tools and three to five times than using small emery wheels.
- Having long life of ten times than high speed steel burrs and fifty times than small emery wheels.
- Finish m achining various kinds of die cavities.
- Removing the burrs of the castings,forgings and the welding spatter on the weld assemblies.
- Chamfering angel,circular bead or flute on the mechanical components.
- Chamfering or burring the pipes.
- Polishing the impeller channel.
- Grinding the hole to an accurate shape.

硬质合金旋转锉主要用手持风动或电动工具驱动（也可用在机床上），使用时须把旋转锉夹紧夹正。硬质合质旋转锉只有在高的切削速度下工作，方能发挥其卓越的性能，现推荐用主轴转速。

The machines which are used for Carbide Rotary Burrs are usually hand-held, powered either by compressed air or electricity. Be careful about mounting and handling the burr correctly.

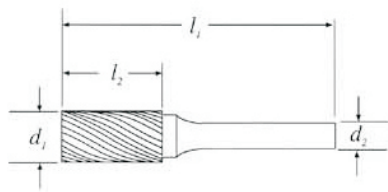
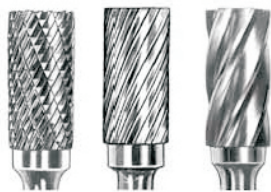
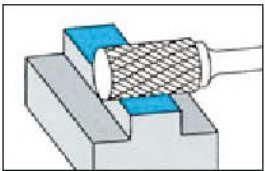
Only ar high speed, can carbide rotary burrs show their remarable performance, Recommended spindle speeds.

旋转锉直径mm DIAMETER OF BURR	推荐主轴转速r/min RECOMMENDED SPINDLE SPEEDS
3	65000~75000
6	30000~40000
8	25000~28000
10	20000~23000
12	15000~18000
16	10000~14000

被切削材料较软时宜选用较高的转速。
The higher speeds are applied to sofer machined materialsl.

柱形旋转锉

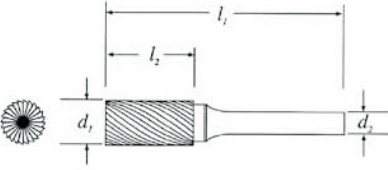
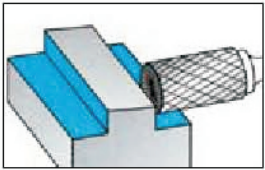
CYLINDER



编号	刃径	刃长	柄径	总长
A0210M06	2	10	6	55
A0314M06	3	14	6	55
A0414M06	4	14	6	55
A0616M06	6	16	6	65
A0820M06	8	20	6	65
A1020M06	10	20	6	65
A1225M06	10	20	6	65
A1625M06	16	25	6	65

柱形带端齿旋转锉

CYLINDER WITH END CUTTER

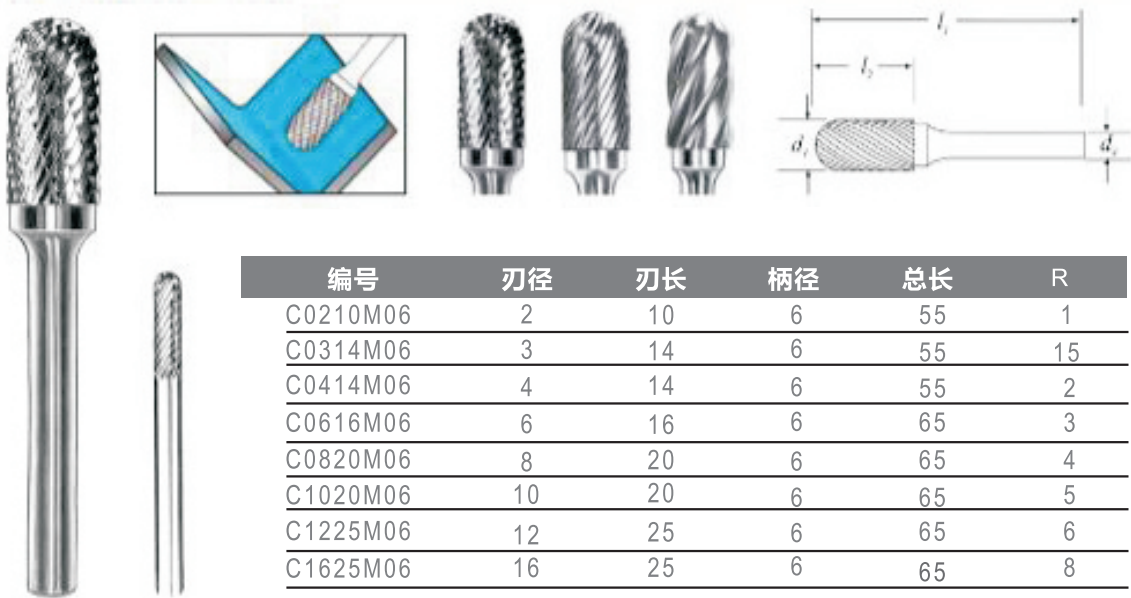


编号	刃径	刃长	柄径	总长
B0210M06	2	10	6	55
B0314M06	3	14	6	55
B0414M06	4	14	6	55
B0616M06	6	16	6	65
B0820M06	8	20	6	65
B1020M06	10	20	6	65
B1225M06	12	25	6	65
B1625M06	16	25	6	65



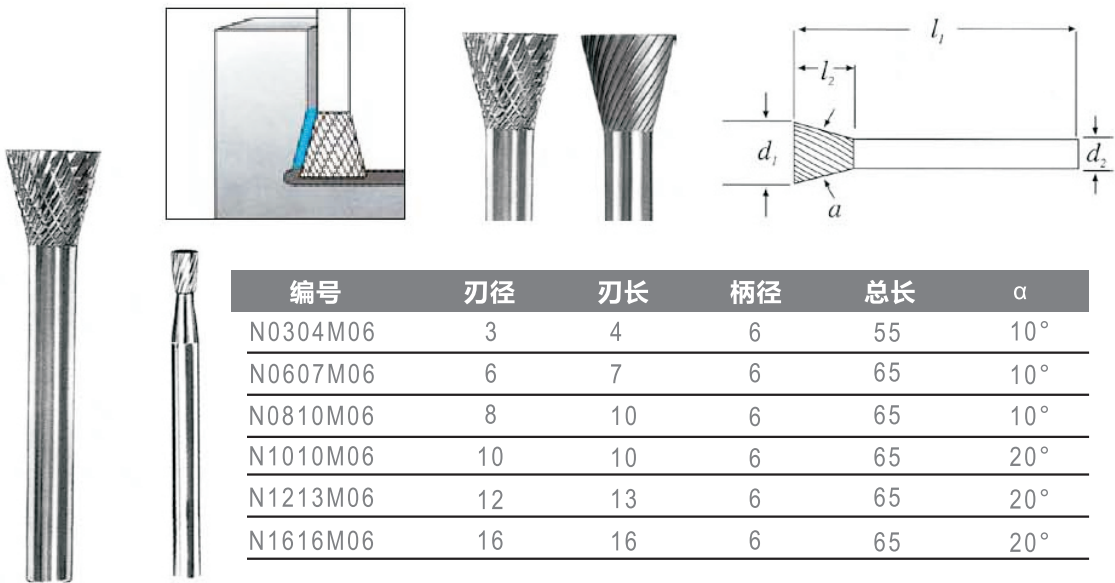
柱形圆头旋转锉

CYLINDER WITH BALL TOP



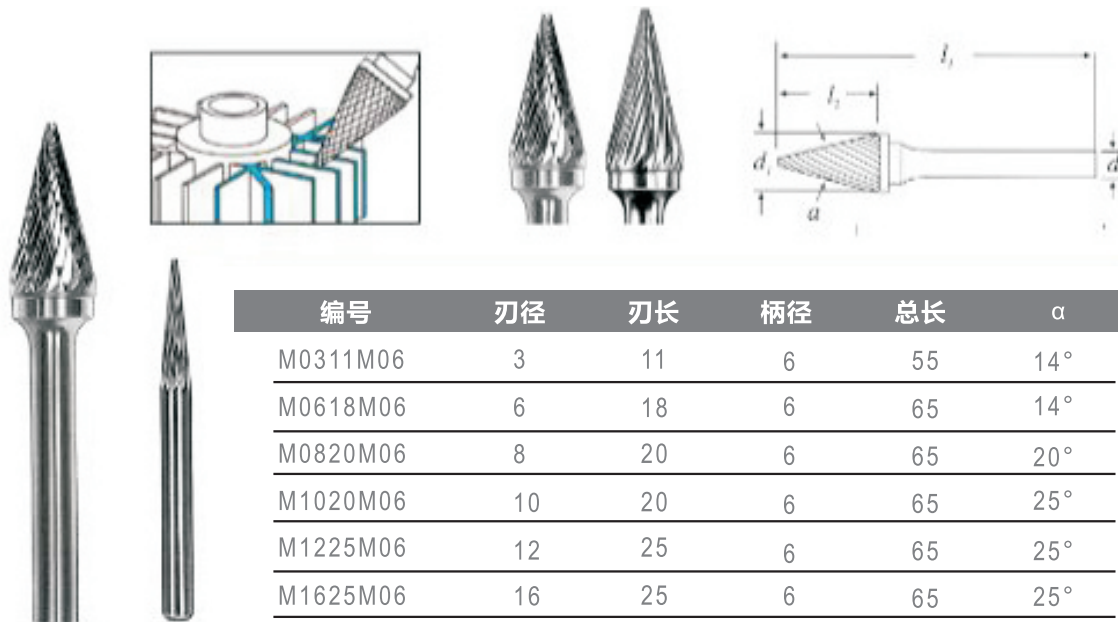
倒锥形

CPPOSITE TAPER



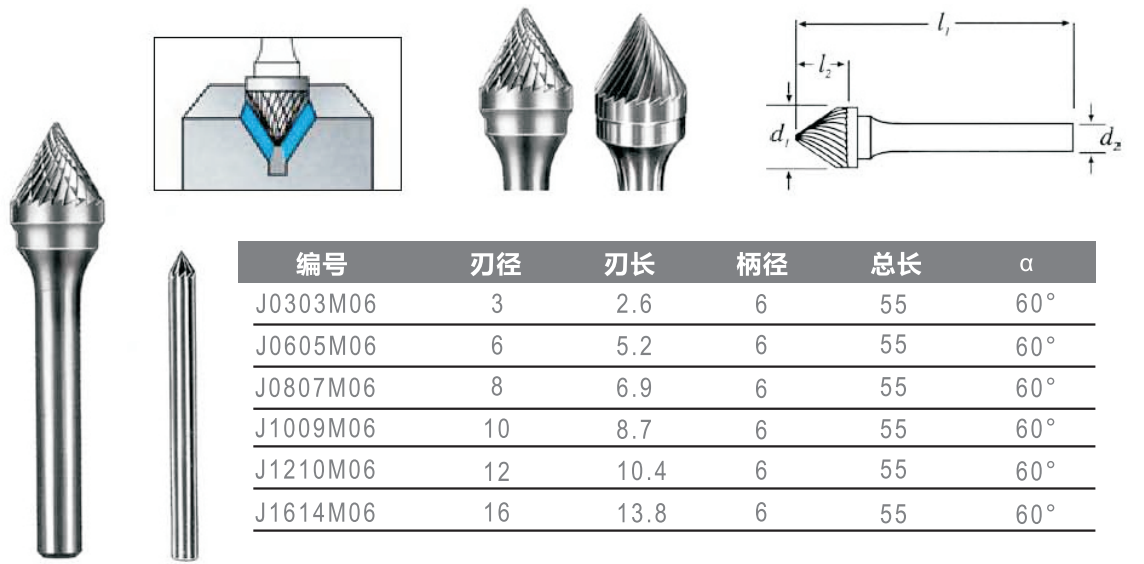
锥形

TAPER



60度锥形

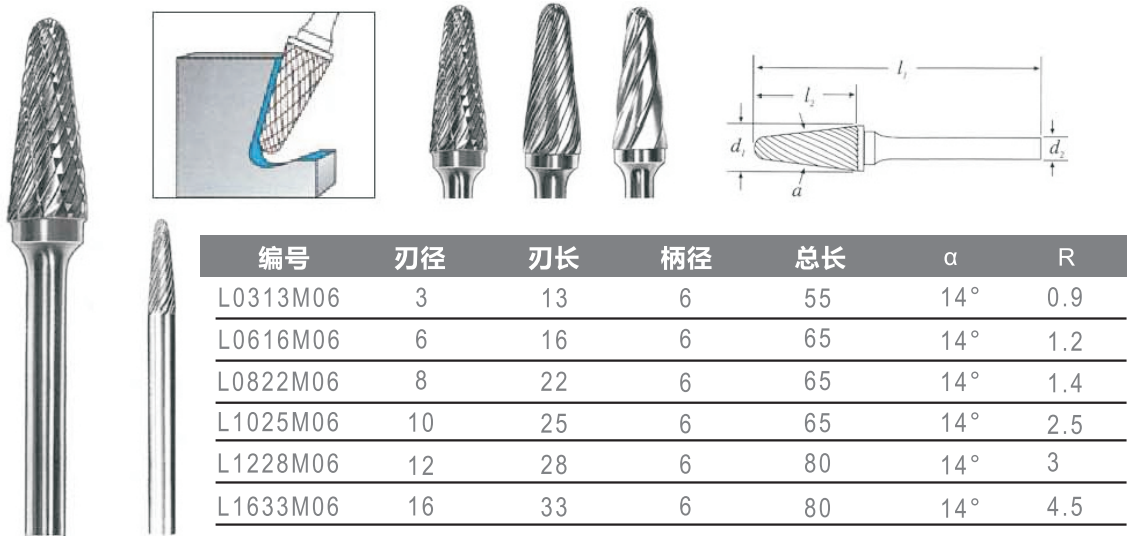
TAPER WITH 30DEGREE ANGLE





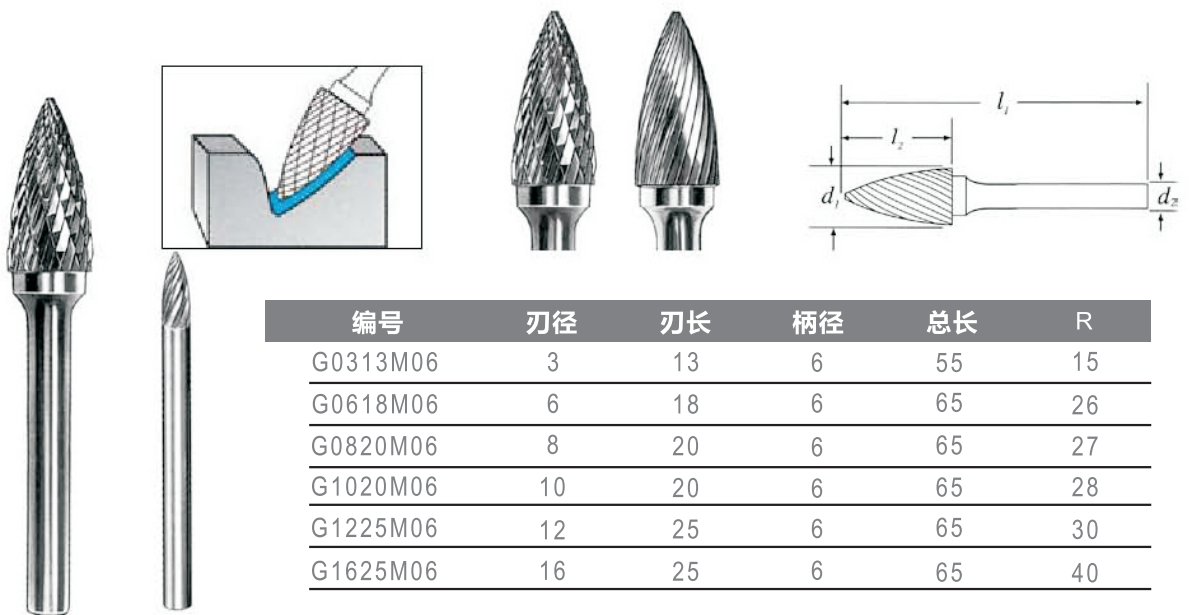
锥形圆头

TAPER WITH BALL TOP



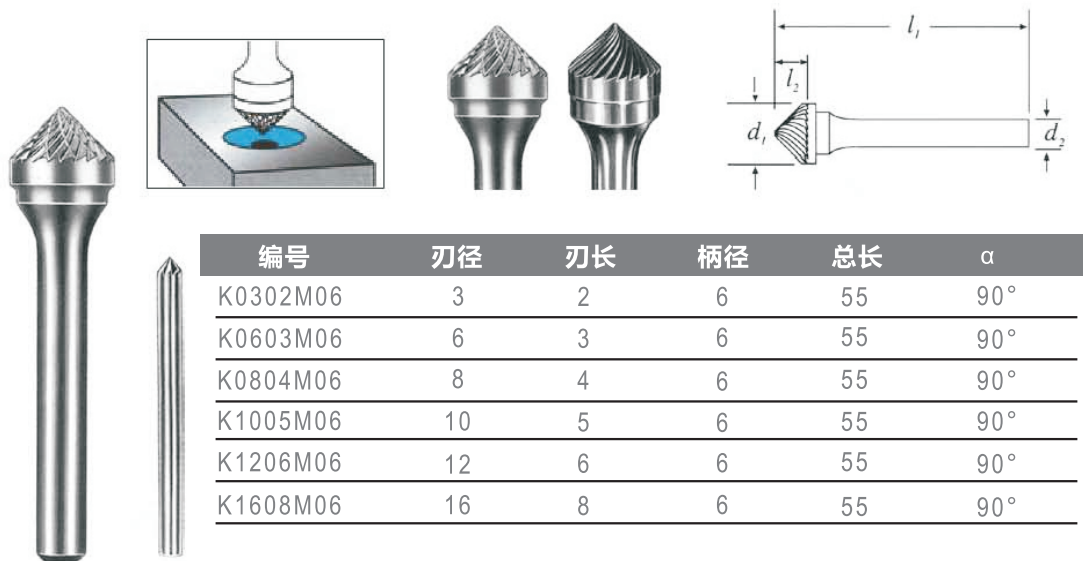
弧形尖顶

ARC CYLINDER WITH SHARP TOP



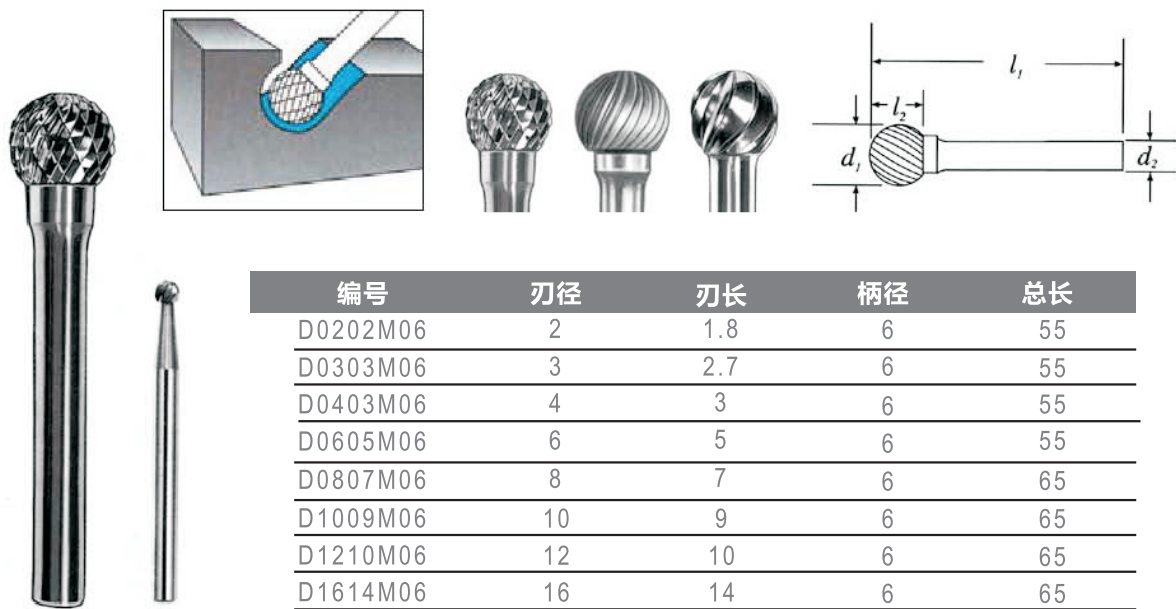
90度锥形

TAPER WITH 90 DEGREE ANGIL



球形

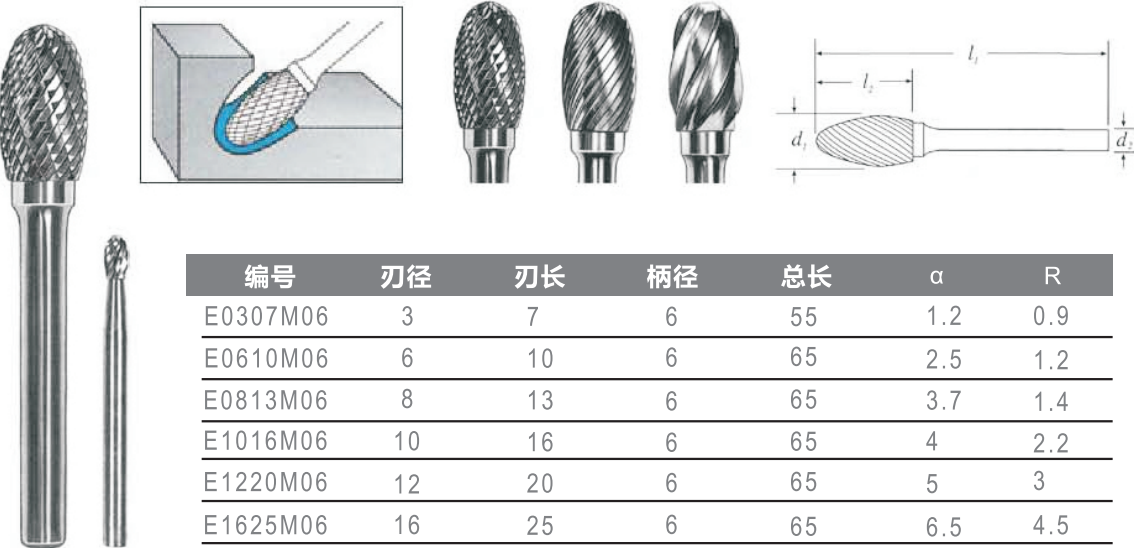
SPHERE





椭圆形

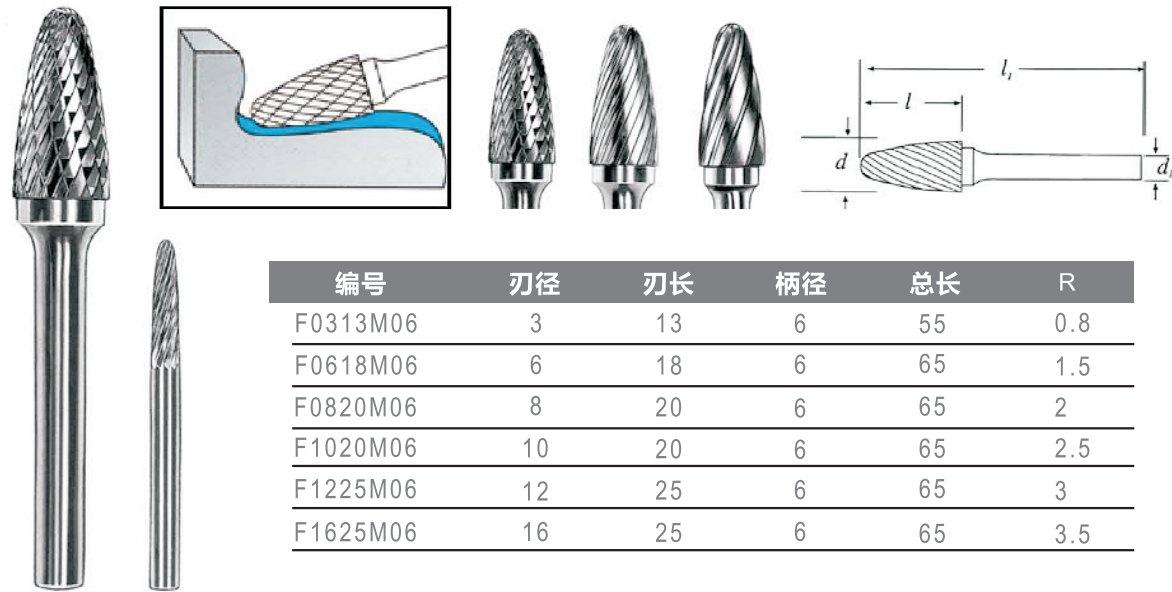
ELLIOTIC CYLINDER



编号	刃径	刃长	柄径	总长	α	R
E0307M06	3	7	6	55	1.2	0.9
E0610M06	6	10	6	65	2.5	1.2
E0813M06	8	13	6	65	3.7	1.4
E1016M06	10	16	6	65	4	2.2
E1220M06	12	20	6	65	5	3
E1625M06	16	25	6	65	6.5	4.5

弧形圆头

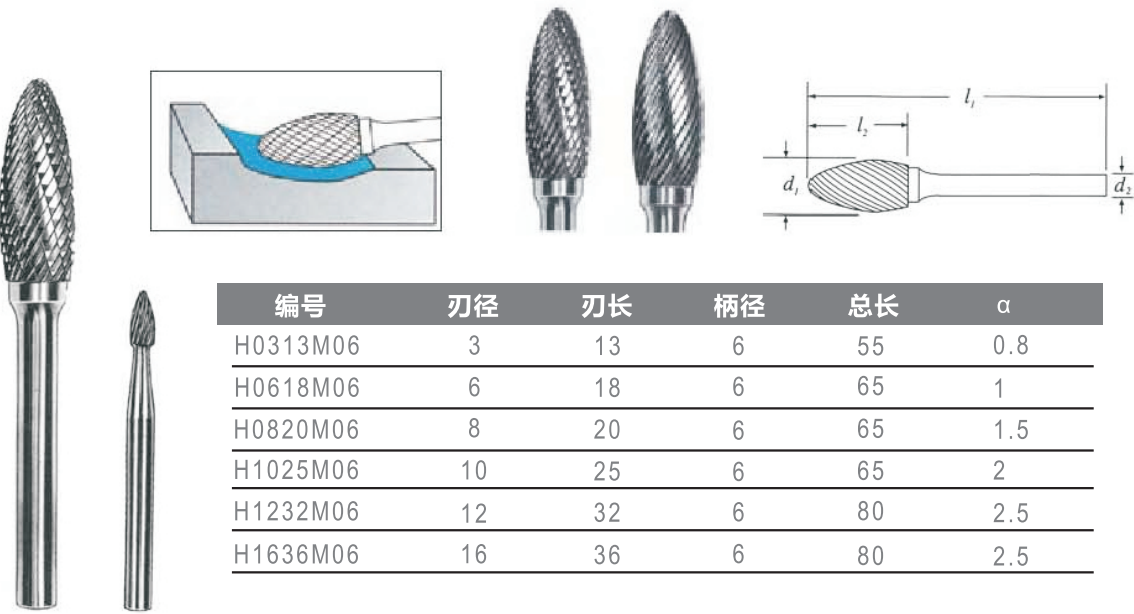
ARC CYLINDER WITH BALL TOP



编号	刃径	刃长	柄径	总长	R
F0313M06	3	13	6	55	0.8
F0618M06	6	18	6	65	1.5
F0820M06	8	20	6	65	2
F1020M06	10	20	6	65	2.5
F1225M06	12	25	6	65	3
F1625M06	16	25	6	65	3.5

火炬形

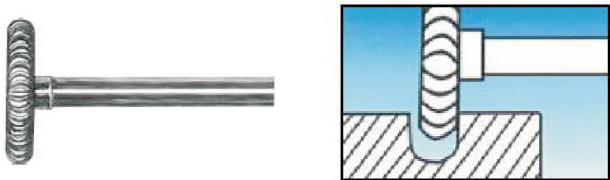
TIRCH CYLINDER



编号	刃径	刃长	柄径	总长	α
H0313M06	3	13	6	55	0.8
H0618M06	6	18	6	65	1
H0820M06	8	20	6	65	1.5
H1025M06	10	25	6	65	2
H1232M06	12	32	6	80	2.5
H1636M06	16	36	6	80	2.5

圆弧盘形

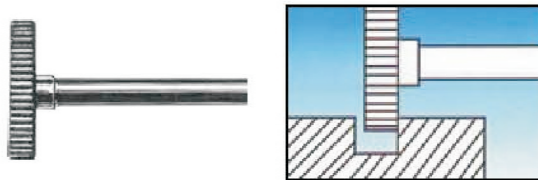
DISC TYPE WITH ARC EDGE



编号	刃径	刃长	柄径	总长	R
W2504M08	25	4	6	45	3.5
W1603M06	16	3	6	45	2.8

圆片形

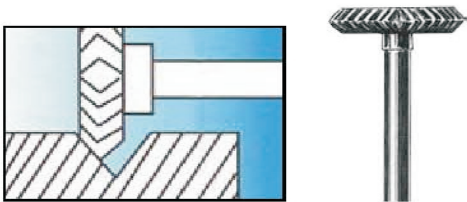
DISC TYPE



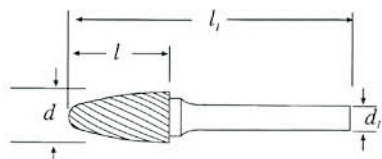
编号	刃径	刃长	柄径	总长
X2504M06	25	4	6	45
X1603M06	16	3	6	45
X1202M06	12	2	6	45

90度盘形

DISC TYPE WITH 90 DEGREE ANGLE EDGE



编号	刃径	刃长	柄径	总长	α
Y2505M06	25	5	6	45	90°
Y1603M06	16	3	6	45	90°



柄径Φ3系列钨钢滚磨刀

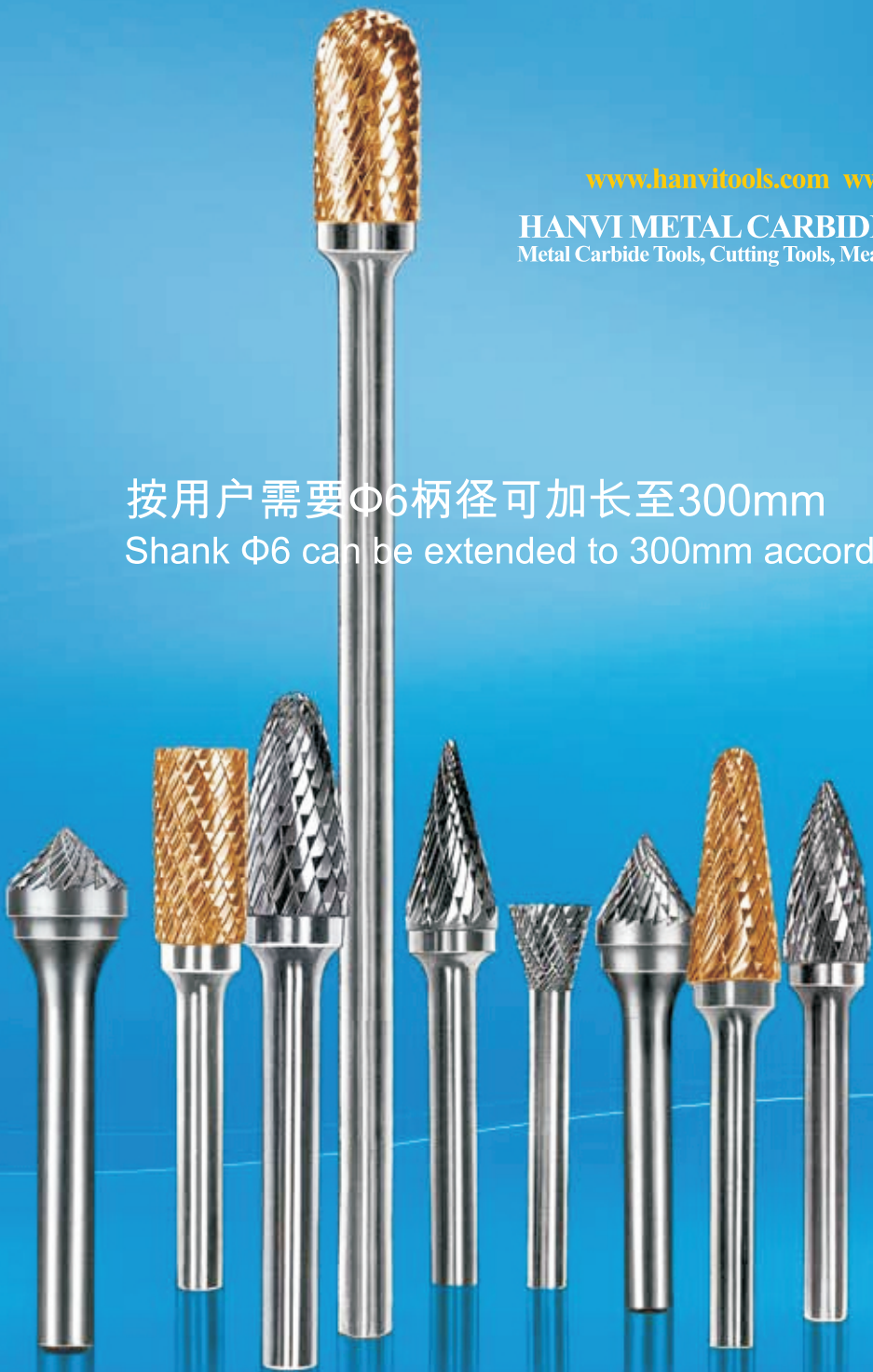
CARBIDE BURRS, 3MM SHANK SERIES

形状名称	编号	尺寸			形状名称	编号	尺寸		
		D	L	L1			D	L	L1
A型	A4	4	13	40	A型	A41	1.5	6	38
	A5	5	13	40		A41L	2	12	38
	A6	6	13	48		A42	2.5	14	38
C型	C4	4	13	40	C型	A43	3	16	38
	C5	5	13	40		C41L1	1.5	6	38
	C6	6	13	48		C41L2	2	12	38
D型	D4	4	4	40	D型	C41	2.5	14	38
	D5	5	5	40		C42	3	16	38
	D6	6	6	48		D41L	1	1	38
E型	E4	4	7	40	E型	D41L1	1.5	1.3	38
	E5	5	8	40		D41L2	2	1.8	38
	E6	6	10	48		D41L3	2.5	2.3	38
F型	F4	4	13	40	F型	D42	3	3	38
	F5	5	13	48		E41	3	5.5	38
	F6	6	13	48		F42	3	12	38
G型	G4	4	13	40	G型	F42L	3	16	38
	G5	5	13	40		G41	3	6	38
	G6	6	13	48		G43	3	12	38
H型	H4	4	13	40	H型	G43L	3	16	38
	H5	5	13	40		G44	3	16	38
	H6	6	13	48		H41	3	6.3	38
L型	L4	4	13	40	L型	L41	3	10	38
	L5	5	13	40		L42	3	12	38
	L6	6	13	48		L43	3	16	38
M型	M4	4	13	40	M型	M41	3	9	38
	M5	5	13	40		M42	3	12	38
	M6	6	13	48		M43	3	16	38
N型	N4	4	6	40	N型	N42	3	4	38
	N5	5	7	40		D1/26	6	3.5	45
	N6	6	7	48		D1/8	8	4.5	45
					半球型D1/2	T1.5	12	1.5	45
					T型	T2	12	2	45
						T3	12	3	45

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HANVI METAL CARBIDE TOOLS CO.,LTD
Metal Carbide Tools, Cutting Tools, Measuring Tools, Diamond Tools

按用户需要Φ6柄径可加长至300mm
Shank Φ6 can be extended to 300mm according to requirement





ISO直槽机用丝锥 Hss Solid Ground Machine Taps(Straight Flute)
Metric ISO Coarse and Fine Thread Form



粗牙: MC			细牙: MF		
D	L ₁	L ₂	D	L ₁	L ₂
M1.4x0.30	40	7	M1.4x0.20	40	7
M1.6x0.35	41	8	M1.6x0.20	41	8
M1.8x0.35	41	8	M1.8x0.20	41	8
M2x0.40	41	8	M2.0x0.25	41	8
M2.2x0.45	44.5	9.5	M2.2x0.25	44.5	9.5
M2.5x0.45	44.5	9.5	M2.5x0.35	44.5	9.5
M3x0.50	48	11	M3x0.35	48	11
M3.5x0.60	50	13	M3.5x0.35	50	13
M4x0.70	53	13	M4x0.50	53	13
M4.5x0.75	53	13	M4.5x0.50	53	13
M5x0.80	58	16	M5x0.50	58	16
M6x1.00	66	19	M5.5x0.50	62	17
M7x1.00	66	19	M6x0.50	66	19
M8x1.25	72	22	M6x0.75	66	19
M9x1.25	72	22	M7x0.75	66	19
M10x1.50	80	24	M8x0.75	66	19
M11x1.00	80	22	M8x1.00	72	22
M11x1.25	85	25	M9x0.75	66	19
M11x1.50	85	25	M9x1.00	72	22
M12x1.00	80	22	M10x0.75	73	20
M12x1.25	89	29	M10x1.00	80	24
M12x1.50	89	29	M10x1.25	80	24
M12x1.75	89	29	M11x0.75	80	22
M14x1.00	87	22	M11x1.00	80	22
M14x1.25	95	30	M12x1.00	80	22
M14x1.50	95	30	M12x1.25	89	29
M14x2.00	95	30	M12x1.50	89	29
M16x1.00	92	22	M14x1.00	87	22
M16x1.50	102	32	M14x1.25	95	30
M16x2.00	102	32	M14x1.50	95	30
M17x1.00	92	22	M16x1.00	92	22
M17x1.50	102	32	M16x1.50	102	32
M18x1.00	97	22	M18x1.00	97	22
M18x1.50	112	37	M18x1.50	112	37
M18x2.00	112	37	M18x2.00	112	37
M18x2.50	112	37	M20x1.00	102	22
M20x1.00	102	22	M20x1.50	112	37
M20x1.50	112	37	M20x2.00	112	37
M20x2.00	112	37	M22x1.00	109	24
M20x2.50	112	37	M22x1.50	118	38
M22x1.00	109	24	M22x2.00	118	38
M22x1.50	118	38	M24x1.00	114	24
M22x2.00	118	38	M24x1.50	130	45
M22x2.50	118	38	M24x2.00	130	45
M24x1.00	114	24	M27x1.00	120	25
M24x1.50	130	45	M27x1.50	127	37
M24x2.00	130	45	M27x2.00	127	37
M24x3.00	130	45			
M25x1.50	130	45			
M25x2.00	130	45			
M26x1.00	120	25			
M26x1.50	120	35			
M27x1.00	120	25			
M27x1.50	127	37			
M27x2.00	127	37			
M27x3.00	135	45			



ISO全磨制螺旋槽丝锥 Hss Solid Ground Machine Taps(Spiral Flute)
Metric ISO Coarse and Fine Thread Form
ISO全磨制螺旋尖丝锥 Hss Solid Ground Machine Taps(Straight Flute
with Spiral Point)Metric ISO Coarse and Fine Thread Form



粗牙: MC			细牙: MF		
D	L ₁	L ₂	D	L ₁	L ₂
M3x0.50	48	11	M3x0.35	48	11
M3.5x0.60	50	13	M3.5x0.35	50	13
M4x0.70	53	13	M4x0.50	53	13
M4.5x0.75	53	13	M4.5x0.50	53	13
M5x0.80	58	16	M5x0.50	58	16
M6x1.00	66	19	M5.5x0.50	62	17
M7x1.00	66	19	M6x0.50	66	19
M8x1.25	72	22	M6x0.75	66	19
M9x1.25	72	22	M7x0.75	66	19
M10x1.50	80	24	M8x0.75	66	19
M11x1.00	80	22	M8x1.00	72	22
M11x1.25	85	25	M9x0.75	66	19
M11x1.50	85	25	M9x1.00	72	22
M12x1.00	80	22	M10x0.75	73	20
M12x1.25	89	29	M10x1.00	80	24
M12x1.50	89	29	M10x1.25	80	24
M12x1.75	89	29	M12x1.00	80	22
M14x1.00	87	22	M12x1.25	89	29
M14x1.25	95	30	M12x1.50	89	29
M14x1.50	95	30	M14x1.00	87	22
M14x2.00	95	30	M14x1.25	95	30
M16x1.00	92	22	M14x1.50	95	30
M16x1.50	102	32	M16x1.00	92	22
M16x2.00	102	32	M16x1.50	102	32

ISO全磨制挤压丝锥 Hss Solid Ground Machine Taps(Fluteless Taps)
Metric ISO Coarse and Fine Thread Form



粗牙: MC			细牙: MF		
D	L ₁	L ₂	D	L ₁	L ₂
M2x0.40	41	8	M2x0.25	41	8
M2.2x0.45	44.5	9.5	M2.2x0.25	44.5	9.5
M2.5x0.45	44.5	9.5	M2.5x0.35	44.5	9.5
M3x0.50	48	14.5	M3x0.35	48	14.5
M3.5x0.60	50	16.5	M3.5x0.35	50	16.5
M4x0.70	53	17	M4x0.50	53	17
M4.5x0.75	53	17	M4.5x0.50	53	17
M5x0.80	58	16	M5x0.50	58	16
M6x1.00	66	19	M6x0.75	66	19
M7x1.00	66	19	M7x0.75	66	19
M8x1.25	72	22	M8x1.00	69	19
M9x1.25	72	22	M10x1.00	76	20
M10x1.50	80	24	M10x1.25	76	20
M11x1.50	85	25	M12x1.25	84	24
M12x1.75	89	29	M12x1.50	89	29
M14x2.00	95	30	M14x1.25	90	25
M16x2.00	102	32	M14x1.50	95	30
			M16x1.50	102	32

全磨制统一螺纹(UN)直槽丝锥 Hss Solid Ground Machine Taps
(Straight Flute) Unified Coarse(UNC)and Fine(UNF) Thread



全磨制统一螺纹(UN)螺旋槽丝锥 Hss Solid Ground Machine Taps
(Spiral Flute) Unified Coarse(UNC)and Fine(UNF) Thread



全磨制统一螺纹(UN)螺旋尖丝锥 Hss Solid Ground Machine Taps (Straight
Flute Spiral Point) Unified Coarse(UNC)and Fine(UNF) Thread



全磨制统一螺纹(UN)挤压丝锥 Hss Solid Ground Machine Taps
(Fluteless Taps) Unified Coarse(UNC)and Fine(UNF) Thread



粗牙: UNC			细牙: UNF		
D	L ₁	L ₂	D	L ₁	L ₂
No.5-40	49.21	15.88	No.5-44	49.21	15.88
No.6-32	50.80	17.46	No.6-40	50.80	17.46
No.8-32	53.98	19.05	No.8-36	53.98	19.05
No.10-24	60.33	22.23	No.10-32	60.33	22.23
No.12-24	60.33	23.81	No.12-28	60.33	23.81
1/4-20	63.50	25.40	1/4-28	63.50	25.40
5/16-18	69.06	29.63	5/16-24	69.06	29.63
3/8-16	74.61	31.75	3/8-24	74.61	31.75
7/16-14	76.99	30.51	7/16-20	76.99	30.51
1/2-13	79.38	42.07	1/2-20	79.38	42.07
9/16-12	91.28	42.07	9/16-18	91.28	42.07
5/8-11	96.84	46.04	5/8-18	96.84	46.04
3/4-10	107.95	50.80	3/4-16	107.95	50.80
7/8-9	119.06	56.36	7/8-14	119.06	56.36
1-8	130.18	63.50	1-12	130.18	63.50

全磨制55°螺纹(BS)直槽丝锥 Hss Solid Ground Machine Taps
(Straight Flute) British Whitworth (BSW) and Fine(BSF) Thread



全磨制55°螺纹(BS)螺旋槽丝锥 Hss Solid Ground Machine Taps
(Spiral Flute) British Whitworth (BSW) and Fine(BSF) Thread



全磨制55°螺纹(BS)螺旋尖丝锥 Hss Solid Ground Machine Taps (Straight
Flute Spiral Point) British Whitworth (BSW) and Fine(BSF) Thread



全磨制55°螺纹(BS)挤压丝锥 Hss Solid Ground Machine Taps
(Fluteless Taps) British Whitworth (BSW) and Fine(BSF) Thread



粗牙: BSW			细牙: BSF		
D	L ₁	L ₂	D	L ₁	L ₂
1/8-40	48	11	1/4-26	66	19
3/16-24	58	16	9/32-26	66	19
1/4-20	66	19	5/16-22	72	22
5/16-18	72	22	3/8-20	80	24
3/8-16	80	24	5/16-22	72	22
7/16-14	85	25	3/8-20	80	24
1/2-12	89	29	7/16-18	85	25
9/16-12	95	30	1/2-16	89	29
5/8-11	102	32	9/16-16	95	30
3/4-10	112	37	5/8-14	102	32
7/8-9	118	38	3/4-12	112	37
1-8	130	45	7/8-11	118	38
3/16-32	58	16	1-10	130	45
7/32-28	62	17			



全磨制DIN371丝锥 DIN371 Hss Solid Ground Machine Taps
Metric Coarse and Fine Thread



粗牙: MC			细牙: MF		
D	L ₁	L ₂	D	L ₁	L ₂
M3x0.50	56	11	M3x0.35	56	11
M3.5x0.60	56	13	M3.5x0.35	56	11
M4x0.70	63	13	M4x0.50	63	13
M4.5x0.75	70	16	M4.5x0.50	70	16
M5x0.80	70	16	M5x0.50	70	16
M6x1.00	80	19	M6x0.50	80	19
M7x1.00	80	19	M6x0.75	80	19
M8x1.25	90	22	M7x0.75	80	19
M9x1.25	90	22	M8x0.75	90	22
M10x1.50	100	24	M8x1.00	90	22
			M9x0.75	90	22
			M9x1.00	90	22
			M10x1.00	100	24
			M10x1.25	100	24

全磨制DIN374丝锥 DIN374 Hss Solid Ground Machine Taps
Metric

细牙: MF			细牙: MF		
D	L ₁	L ₂	D	L ₁	L ₂
M3x0.35	56	10	M15x1.00	100	22
M3.5x0.35	56	10	M15x1.50	100	22
M4x0.50	63	10	M16x1.00	100	22
M4.5x0.50	70	12	M16x1.50	100	22
M5x0.50	70	12	M18x1.00	110	25
M6x0.50	80	14	M18x1.50	110	25
M6x0.75	80	14	M18x2.00	125	34
M7x0.75	80	14	M20x1.00	125	25
M8x0.75	80	19	M20x1.50	125	25
M8x1.00	90	22	M20x2.00	140	34
M9x1.00	90	22	M22x1.00	125	25
M10x0.75	90	22	M22x1.50	125	25
M10x1.00	90	20	M22x2.00	140	34
M10x1.25	100	24	M24x1.00	140	28
M11x1.00	90	20	M24x1.50	140	28
M12x1.00	100	22	M24x2.00	140	28
M12x1.25	100	22	M25x1.50	140	28
M12x1.50	100	22	M26x1.50	140	28
M14x1.00	100	22	M27x1.50	140	28
M14x1.25	100	22	M27x2.00	140	28
M14x1.50	100	22			

全磨制DIN352丝锥 DIN352 Hss Solid Ground Machine Taps
Metric



粗牙: MC			粗牙: MC		
D	L ₁	L ₂	D	L ₁	L ₂
M3x0.50	40	11	M11x1.50	70	24
M3.5x0.60	45	13	M12x1.75	75	29
M4x0.70	45	13	M14x2.00	80	30
M4.5x0.75	50	16	M16x2.00	80	32
M5x0.80	50	16	M18x2.50	95	40
M6x1.00	50	19	M20x2.50	95	40
M7x1.00	50	19	M22x2.50	100	40
M8x1.25	56	22	M24x3.00	110	50
M9x1.25	63	22	M27x3.00	110	50
M10x1.50	70	24			

全磨制DIN376丝锥 DIN376 Hss Solid Ground Machine Taps
Metric



粗牙: MC			粗牙: MC		
D	L ₁	L ₂	D	L ₁	L ₂
M3x0.50	56	11	M11x1.50	100	24
M3.5x0.60	56	12	M12x1.75	110	29
M4x0.70	63	13	M14x2.00	110	30
M4.5x0.75	70	16	M16x2.00	110	32
M5x0.80	70	16	M18x2.50	125	34
M6x1.00	80	19	M20x2.50	140	34
M7x1.00	80	19	M22x2.50	140	34
M8x1.25	90	22	M24x3.00	160	38
M9x1.25	90	22	M27x3.00	160	38
M10x1.50	100	24			

DIN352高速钢HSS丝锥 DIN352 Hss Taps(3pcs Set)

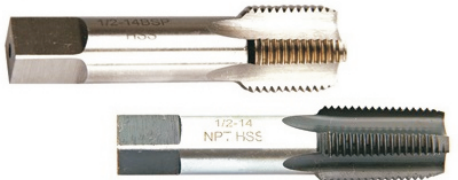


D	L ₁	L ₂	D	L ₁	L ₂
M1x0.25	32	5.5	M11x1.50	70	24
M1.1x0.25	32	5.5	M12x1.75	75	29
M1.2x0.25	32	5.5	M14x2.00	80	30
M1.4x0.30	32	7	M16x2.00	80	32
M1.6x0.35	32	8	M18x2.50	95	40
M1.7x0.35	32	8	M20x2.50	95	40
M1.8x0.35	32	8	M22x2.50	100	40
M2.2x0.45	36	9	M24x3.00	110	50
M2.3x0.40	36	9	M27x3.00	110	50
M2.5x0.45	40	9	M30x3.50	125	56
M2.6x0.45	40	9	M33x3.50	125	56
M3x0.50	40	11	M36x4.00	150	63
M3.5x0.60	45	13	M42x4.50	150	63
M4x0.70	45	13	M45x4.50	160	70
M4.5x0.75	50	16	M48x5.00	180	75
M5x0.80	50	16	M52x5.00	180	75
M6x1.00	50	19	M56x5.50	200	85
M7x1.00	50	19	M60x5.50	200	85
M8x1.25	56	22	M64x6.00	220	90
M9x1.25	63	22	M68x6.00	220	90
M10x1.50	70	24			

DIN352合工钢, Alloy丝锥 DIN352 Alloy Steel Taps(3pcs Set)

D	L ₁	L ₂	D	L ₁	L ₂
M2x0.40	36	8	M12x1.75	75	29
M2.5x0.45	40	9	M14x2.00	80	30
M3x0.50	40	11	M16x2.00	80	32
M4x0.70	45	13	M18x2.50	95	40
M5x0.80	50	16	M20x2.50	95	40
M6x1.00	50	19	M22x2.50	100	40
M7x1.00	50	19	M24x3.00	110	50
M8x1.25	56	22	M27x3.00	110	50
M9x1.25	63	22	M30x3.00	125	56
M10x1.50	70	24	M30x3.50	125	56
M11x1.50	70	24	M33x3.50	125	56
			M36x4.00	150	63

管螺纹丝锥 Pipe Taps



ANSI Taper Pipe Tap/Jumping Thread Tap			ANSI Straight Pipe Taps		
D	L ₁	L ₂	D	L ₁	L ₂
1/16-27NPT	2-1/8	11/16	1/16-27NPS	2-1/8	11/16
1/8-27NPT	2-1/8	3/4	1/8-27NPS	2-1/8	3/4
1/4-18NPT	2-7/16	1-1/16	1/4-18NPS	2-7/16	1-1/16
3/8-18NPT	2-9/16	1-1/16	3/8-18NPS	2-9/16	1-1/16
1/2-14NPT	3-1/8	1-3/8	1/2-14NPS	3-1/8	1-3/8
3/4-14NPT	3-1/4	1-3/8	3/4-14NPS	3-1/4	1-3/8
1-11-1/2NPT	3-3/4	1-3/4	1-11-1/2NPS	3-3/4	1-3/4
1-1/4-11-1/2NPT	4	1-3/4	1-1/4-11-1/2NPS	4	1-3/4
1-1/2-11-1/2NPT	4-1/4	1-3/4	1-1/2-11-1/2NPS	4-1/4	1-3/4
2-11-1/2NPT	4-1/2	1-3/4	2-11-1/2NPS	4-1/2	1-3/4
2-1/2-8NPT	5-1/2	2-9/16	2-1/2-8NPS	5-1/2	2-9/16
3-8NPT	6	2-5/8	3-8NPS	6	2-5/8
3-1/2-8NPT	6-1/2	2-11/16	3-1/2-8NPS	6-1/2	2-11/16
4-8NPT	6-3/4	2-3/4	4-8NPS	6-3/4	2-3/4

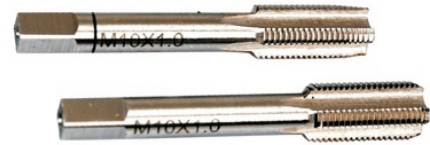
管螺纹二支组丝锥 2Pcs Pipe Taps Set



DIN 5157 Straight Pipe Tap			DIN 5156 Straight Pipe Tap		
D	L ₁	L ₂	D	L ₁	L ₂
G1/16-28	56	22	G1/16-28	90	22
G1/8-28	63	20	G1/8-28	90	20
G1/4-19	70	22	G1/4-19	100	22
G3/8-19	70	22	G3/8-19	100	22
G1/2-14	80	22	G1/2-14	125	25
G5/8-14	80	22	G5/8-14	125	25
G3/4-14	90	22	G3/4-14	140	28
G7/8-14	90	22	G7/8-14	150	28
G1-11	100	25	G1-11	160	30
G1-1/8-11	125	40	G1-1/8-11	170	30
G1-1/4-11	125	40	G1-1/4-11	170	30
G1-1/2-11	140	40	G1-1/2-11	190	32
G1-3/4-11	160	40	G1-3/4-11	190	32
G2-11	160	40	G2-11	220	40



DIN2181公制螺纹二支组不等径丝锥 DIN2181 Hss Taps(2pcs Set)



D	L1	L2	D	L1	L2
M3x0.35	40	9	M18x1.50	80	22
M4x0.35	45	10	M18x2.00	80	22
M4x0.50	45	10	M20x1.00	80	22
M5x0.50	50	12	M20x1.25	80	22
M6x0.50	50	14	M20x1.50	80	22
M6x0.75	50	14	M20x2.00	80	22
M7x0.75	50	14	M22x1.00	80	22
M8x0.50	50	19	M22x1.50	80	22
M8x0.75	50	19	M22x2.00	80	22
M8x1.00	56	22	M24x1.00	90	22
M9x1.00	63	22	M24x1.50	90	22
M10x0.75	63	20	M24x2.00	90	22
M10x1.00	63	20	M25x1.50	90	22
M10x1.25	70	24	M26x1.50	90	22
M11x1.00	63	20	M26x2.00	90	22
M12x1.00	70	22	M27x1.50	90	22
M12x1.25	70	22	M27x2.00	90	22
M12x1.50	70	22	M28x1.50	90	22
M13x1.00	70	22	M28x2.00	90	22
M13x1.50	70	22	M30x1.00	90	22
M14x1.00	70	22	M30x1.50	90	22
M14x1.25	70	22	M30x2.00	90	22
M14x1.50	70	22	M32x1.50	90	22
M15x1.00	70	22	M33x1.50	100	25
M15x1.50	70	22	M33x2.00	100	25
M16x1.00	70	22	M34x1.50	100	25
M16x1.50	70	22	M35x1.50	100	25
M18x1.00	80	22	M36x1.50	100	25
M18x1.25	80	22			

钻头复合丝锥 Hss Drill & Taps Combination



D	L1
M3x0.50	36
M4x0.70	39
M5x0.80	41
M6x1.00	44
M7x1.00	49
M8x1.25	49
M10x1.50	52
M12x1.75	



机用和手用圆板牙 Round Die / Hexagon Die / Adjustable Die
(UNF,UNC,BSF,BSW,NPT)

Material: HSS, Alloy Steel

Standard: DIN, ISO, ANSI

Size range: M2~M52, 4-40~1-1/2", NPT1/8~2"



板牙铰手 DIE Handle DIN225



Size	For Die size			L
	Metric	UNC/UNF	Pipe	
16x5	M1~M2.6	1/16~3/32		160
20x5	M3~M4	1/8~5/32		200
20x7	M4.5~M6	13/16~1/4		200
25x9	M7~M9	5/16	G1/16	224
30x11	M10~M11	3/8~7/16	G1/8	280
38x14	M12~M14	1/2~9/16		315
38x10	MF12~MF14		G1/4	315
45x18	M16~M20	5/8~3/4		450
45x14	MF16~MF20		G3/8-G1/2	450
55x22	M22~M24	7/8~1~11		560
55x16	MF21~MF26		G5/8~G3/4	560
65x25	M27~M36	1-1/8~1-3/8		630
65x18	MF27~MF36		G7/8~G1-11	630
75x30	M39~M42	1-1/2~1-5/8		800
75x20	MF38~MF42		G1-1/8~G1-1/4	800
90x36	M45~M52	1-3/4~2-11		900
90x22	MF45~MF52		G1-1/2	900
105x22	M55~M62		G1-3/4~G2-11	1000

丝锥铰手 Tap Wrench DIN1814

T型丝锥铰手 T-Type Tap Wrench

刺轮铰手 Ratchet Wrench



No	For tap size			L
	Metric	UNC/UNF	Pipe	
0	M1-M8	1/16~1/4		125
1	M3-M10	1/8~3/8		180
1-1/2	M3-M12	1/8~1/2	G1/8	200
2	M4-M12	3/16~5/8	G1/8-G3/8	280
3	M5-M20	1/4~3/4	G1/8-G1/2	375
4	M10-M27	3/8~1-11	G1/8~G3/4	500
5	M14-M33	5/8~1-1/4	G1/4~G1-11	750

