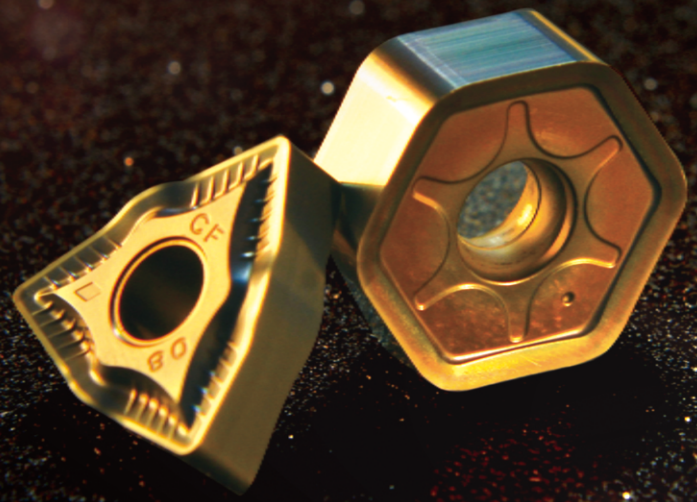
CRaftsMan

工匠之作



2021年中机数控刀具画册—铣削部分

2021 CNC cutting tool album Milling part

设计理念：应用为大

Design Concept: Application comes first

从应用出发，注重用户体验，提高用户生产效率，坚持原创设计，为客户量身订制解决方案及提供整包加工方案。

Starting from application, pay great attention to user experience, focus on improving productivity, persist in originality, design appropriate product for users, provide customized and comprehensive cutting solution for customers.

品质定位：高品质和稳定性

Quality Orientation: High quality

精益求精，制造性能及质量稳定性上媲美欧美日韩的产品，为客户取得更大的经济效益。

Perfecting constantly, provide product with performance and stability comparable to the standard of Europe, America, Japan or South Korea for customers.

制造精神：精品

Manufacturing Spirit: Boutique

坚持工匠精神，精雕细琢，采用现代化管理手段，注重产品的每一个细节，保证每件作品质量及稳定性。

Persist in craftsman spirit, work with meticulosity and precision, pay great attention on details, adopt modern methods of management to guarantee the quality of each product.

销售策略：互利互惠

Sales Strategy: Mutual benefit

互利互惠，提高用户生产效率，降低生产成本，帮助用户提高市场竞争力和产品质量，为经销商提供富有竞争力的产品，取代进口产品。

Based on mutual benefit, minimize production cost and improve productivity, help user improve product quality and competitiveness.

服务原则：技术服务

Service Principle: Technical service

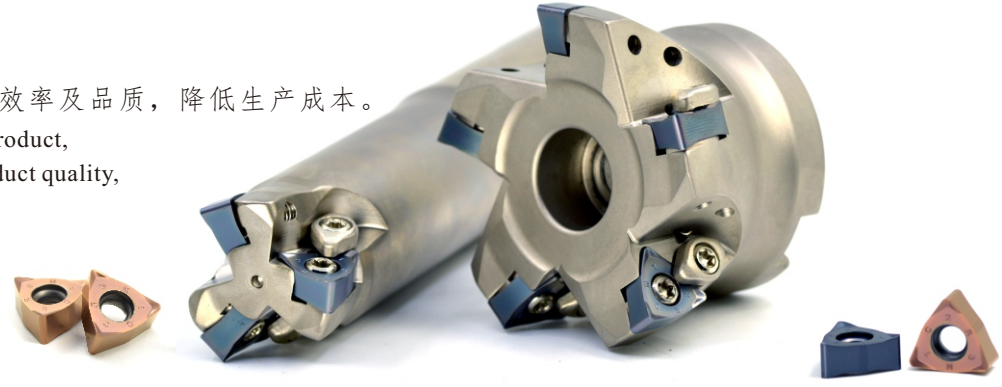
走技术服务路线，提供完整刀具方案及加工参数，提高效率及品质，降低生产成本。

Persist in technology-as-a-service, help customer select appropriate product, provide cutting solution and parameters,improve productivity and product quality, and lower production cost.

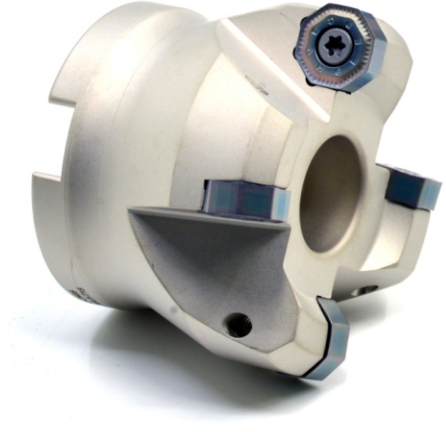
CRaftsMan

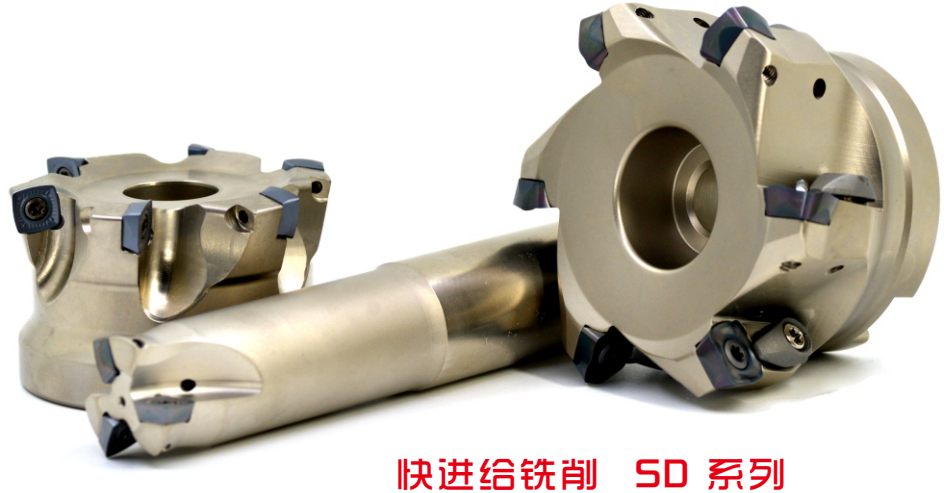
矢志不渝 追求完美

Passionate pursuit of perfection



高效铣削
high efficiency





快进给铣削　SD 系列

High feed milling SD Series



大切深　ON 系列

Large Cutting Depths ON Series

CRaftsMan

矢志不渝　追求完美

Passionate pursuit of perfection

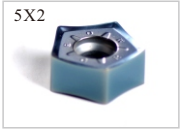
高效铣削
high efficiency

重型加工设备
heavy type CNC equipment

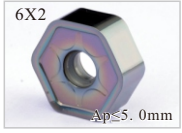
特点：大切深Ap≥2. 5mm f≤0.5mm/t



SNHT13T6



PNHU0905



HNGX0906



XNHU0605
XNMU0805



ONM(H)0504



ONM(H)0605



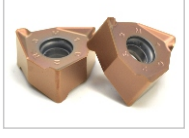
ONMU0905

工欲善其事 必先利其器
Make good work first sharpen tools


LNMU1104


LOHT0804XX
LOHT1205XX


WNM(H)U0606


XNM(H)X0806

CRaftsMan
矢志不渝 追求完美
Passionate pursuit of perfection

中轻型加工设备
Medium light CNC equipment

特点：小切深Ap≤1. 5mm f=0.5-2.0mm/t


LOHT0804XX
LOHT1205XX



EDHT0402

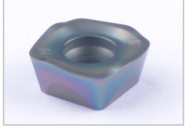


EPMT0603

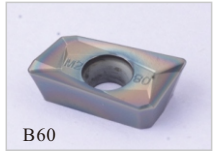


LNMU0303

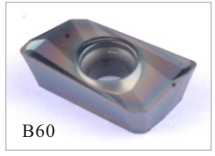

SDKT0935


SDHT1205
SDMT1205

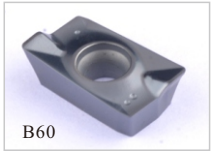
方肩铣刀片
Shoulder milling insert



APMT1135PDER-M2
APMT1604PDER-M2



APMT1135PDER-H2
APMT1604PDER-H2



APMT1135PDTR
APMT1605PDTR

矢志不渝 追求完美
Passionate pursuit of perfection

快进给铣刀片
High feed milling



EDHT0402ER-CM
刀杆及锁牙头直径8-16mm



EPMT0603ER-CM
刀杆及锁牙头直径16-35mm
刀盘直径40-63mm



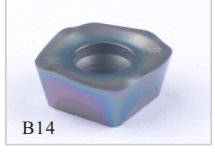
LNMU0303双面
刀杆及锁牙头直径16-35mm
刀盘直径40-80mm

锋利
切削阻力小

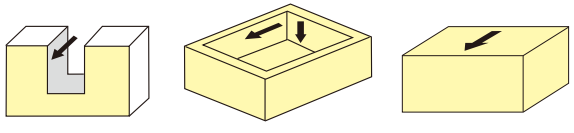


SDKT093508-CM
刀杆及锁牙头直径25-35mm
刀盘直径40-80mm

较强壮
抗冲击力强



SDHT120520-FN锋利
SDHT120520-SN强壮
SDMT120520-SN强壮
刀杆及锁牙头直径35mm
刀盘直径40-80mm



方肩及平面铣削
Shoulder milling & face milling
Selection Guide

双面铣刀片
Double face milling insert



LNMU1104SRGE
刀杆及锁牙头直径16-35mm
刀盘直径40-80mm

切削轻快



LOHTXXXX
刀杆及锁牙头直径16-35mm
刀盘直径40-80mm

切削轻快

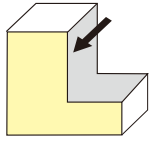


WNHU060610-FN
WNMU060610-SN
刀杆及锁牙头直径32-40mm
刀盘直径50-160mm

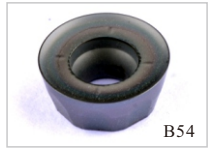
刃口强壮



XNMX080608TR-CM
XNHX080608TR-CM
刀盘直径50-160mm



R型
圆刀片
Round milling



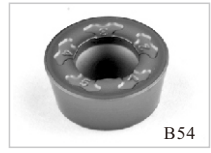
RPMTXXXX-GH

不锈钢，高温合金
钛合金，软钢



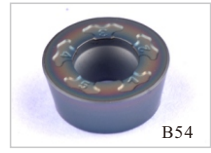
RPMTXXXX-JS

低碳钢，不锈钢
HRC50-58加硬淬火钢



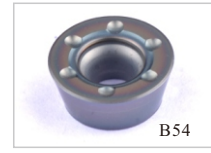
RPMTXXXX-ST

低碳钢，
HRC50-58加硬淬火钢



RPMTXXXX-ST14

模具钢，铸钢,锻钢
HRC<50模具钢，铸铁



RDMTXXXX-ST14

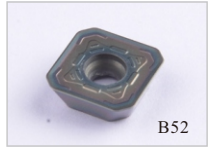
模具钢，铸钢,锻钢
HRC<50模具钢

锋利
切削阻力小

锋利
切削阻力小

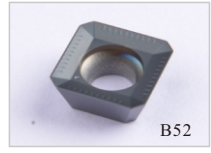
锋利
切削阻力小

SEK(H)T
平面铣刀片
Face milling



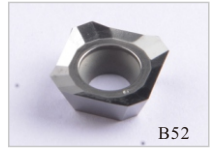
SEET12T3-CM

不锈钢，高温合金
钛合金，模具钢



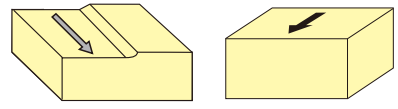
SEKT1204PDER-11

不锈钢，高温合金
钛合金，模具钢



SEHT1204AFFN

铝合金及有色金属
塑胶，尼龙



平面铣削
Face milling
Selection Guide

较强壮
切削阻力相对较小

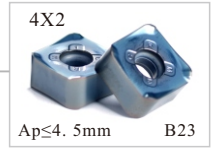
锋利(适合精加工)
切削阻力小

较锋利
切削阻力较小

锋利
切削阻力小

较锋利
切削阻力较小

大切深
双面铣刀片
Large Cutting Depth Double face milling insert



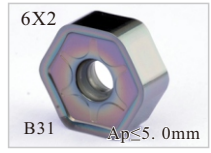
SNHT13T6ANER-CM

钢及铸铁



PNHU0905GNER-X

不锈钢，高温合金
钛合金，模具钢精加工



HNGX0906 ANTN
HNGX0906 ANSN

不锈钢，高温合金
模具钢，铸钢，锻钢，铸铁



XNHU0605 ANR
XNMU0605 SNR
XNMU0805 ANR
XNHU0805 ANR

不锈钢，高温合金
钛合金，模具钢



ONHU0504 ANR
ONMU0504 SNR

不锈钢，高温合金
模具钢，铸钢，锻钢，铸铁

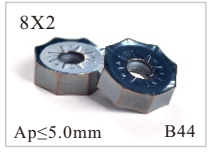
刃口强壮

较锋利
切削阻力较小



ONHU0605 ANTN
0NMU0605 ANSN

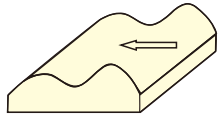
不锈钢，高温合金
模具钢，铸钢，锻钢，铸铁



ONMU 0905ANSN- M

不锈钢，高温合金
模具钢，铸钢，锻钢，铸铁

仿形曲面加工
Copy milling





P3204精加工球头刀片

1.不锈钢，高温合金，钛合金，低碳钢材料：

Stainless steel, high temperature alloy, titanium alloy, low carbon steel material processing



APMT1135PDER-M2
APMT1604PDER-M2



EDHT0402ER-CM



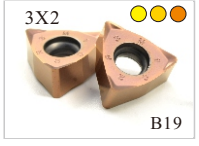
EPMT0603ER-CM



LNMU0303双面



SDKT093508-CM



WNHU060610-FN



LNMU1104SRGE



RPMTXXXX-GH



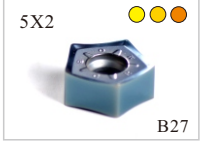
RPMTXXXX-JS



SEET12T3-CM



SEKT1204PDER-11



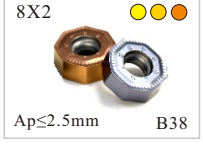
PNHU0905GNER-X
精加工专用槽型



HNGX0906 ANTN



XNHU0605 ANR
XNMU0805 ANR



ONHU0504 ANR



ONMU0605 ANTN



ONMU 0905ANSN- M

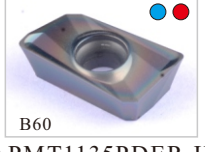
不锈钢 Stanless steel　高温合金 Heat-resisting steel　钛合金 Titanium alloy

钢 Steel　铸铁 Cast iron

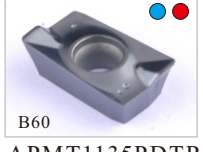
Selection Guide

2.模具钢，锻钢，铸钢，铸铁材料：

Die steel, forged steel, cast steel, cast iron material processing



APMT1135PDER-H2
APMT1604PDER-H2



APMT1135PDTR
APMT1605PDTR



RPMTXXXX-ST14
RDMTXXXX-ST14



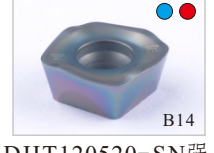
LNMU1104SRGE



LNMU0303双面



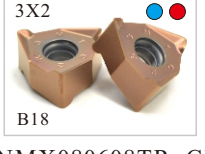
SDKT093508-CM



SDHT120520-SN强壮
SDMT120520-SN强壮



WNMU060610-SN



XNMX080608TR-CM



SNHT13T6ANER-CM



HNGX0906 ANSN



ONMU0504 SNR



ONMU0605 ANTN



ONMU 0905ANSN- M

铣削材质选用表　Material selection table for milling

涂层性质 Coating	涂层牌号 Coating grade	刀片颜色 Colour	材质特性	加工特性	冷却	用途 Purpose
PVD涂层 物理涂层 PVD Coating	CP2630T CP2440T CP2645T		M P K	✱		通用性极强，高温合金，钛合金，不锈钢及钢件强断续加工。 trong intermittent turning of Stainless steel, High temperature alloy, Titanium alloy Steel machining,
	CP2430		M S P	✱	X	钢件、不锈钢、高温合金、钛合金加工,适合干式或风冷切削。 Steel , Stainless steel, High temperature alloy, Titanium alloy machining, Suitable for dry cutting and air cooling.
	CP1120H CPA1140GH		M S H	◔		精加工首选,不锈钢、高温合金、钛合金及HRC40-63淬火钢加工。 Finishing first. Stainless steel, High temperature alloy, Titanium alloy and HRC40-63 Hardened Steel processing,
	NEW CPA2130K CPA2140K CPA2145K		M P K	✱		高温合金、不锈铁、双向不锈钢、钢件及铸铁加工专用。 High temperature alloy, Bidirectional stainless steel Cast iron and steel parts are processed,
	NEW CP6120 CW20		N	✱	X	有色金属，铝合金加工。 Nonferrous Metals , Aluminum alloy processing.
CVD Coating	CC1030 CC1130		K	✱	X	灰口铸铁加工专用。 Cast iron parts are processed,

○ ： 连续加工 Continuous processing　◔ ： 不规则形状加工 Irregular processing　✱ ： 断续加工 Intermittent processing

切削参数
Cutting parameters

矢志不渝 追求完美
Passionate pursuit of perfection

常用计算公式 Commonly used formula

转速 S
Speed

$$S = \frac{Vc \times 1000}{3.14 \times Dc} \quad (rev/min)$$

切削速度(线速度)Vc
Linear velocity

$$Vc = \frac{S \times 3.14 \times Dc}{1000} \quad (m/min)$$

Dc:工件直径 (Workpiece diameter)

每分钟切削长度 F
Cutting length per minute

$$F = f \times S \times T \quad (mm/min)$$

每齿进给量 f
(Feed per tooth)

$$f = \frac{F}{S \times T} \quad (mm/tooth)$$

f:每齿进给量 (Feed per tooth)　　T: 刀具齿数（Number of setting teeth）

切削加工小常识

1. 最小切削深度应该尽量大于刀尖圆角。
2. 最高的进给量应该小于刀尖圆角的一半.
3. PVD物理涂层适合难加工材料(软钢，不锈钢，高温合金等）、细长轴、薄壁件、机床刚性差的精加工、半精加工，Vc<180m/min,
   CVD化学涂层适合半精加工至粗加工,高速加工150<Vc<400m/min;

工欲善其事 必先利其器
Make good work first sharpen tools

Machine work common sense

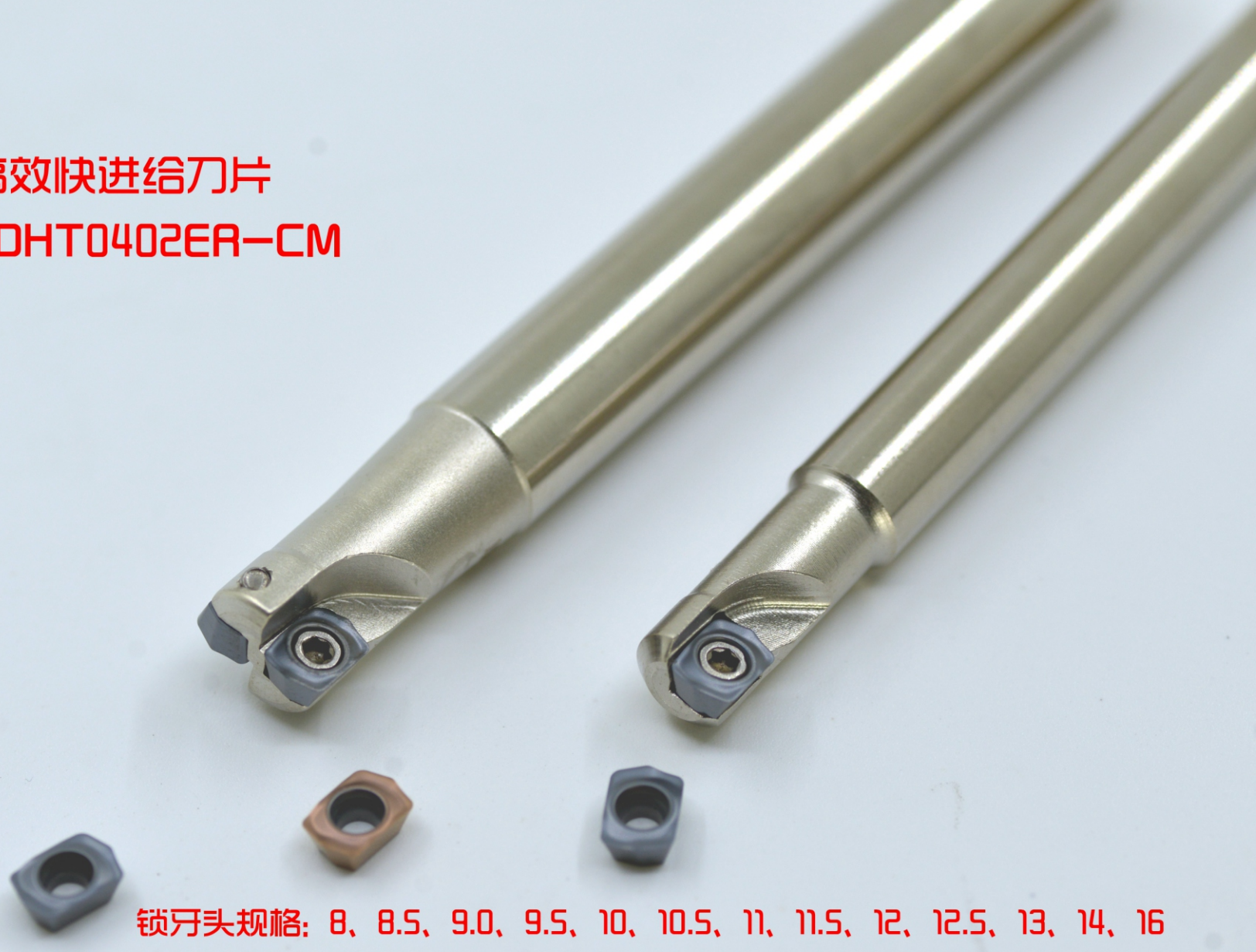
1.The minimum cutting depth should be greater than the re.
2.The highest feeding should be far less than the re.
3.PVD coating for difficult-to-machine materials and finishing, semi-finishing , Vc<180m/min;
CVD coating is suitable for semi-finishing to rough machining, high speed cutting 150<Vc<400m/min;

表面粗糙度 Surface roughness

表面粗糙度 Ra um	刀尖圆角 re (mm)						
	0.1	0.2	0.4	0.8	1.2	1.6	2.4
	进给量 f (mm/rev)						
0.8	0.04	0.06	0.08	0.12	0.14	0.17	0.21
1.6	0.06	0.10	0.14	0.20	0.24	0.28	0.34
3.2		0.14	0.20	0.28	0.34	0.39	0.48
6.3			0.27	0.39	0.48	0.56	0.68
8.0				0.44	0.54	0.63	0.77

高效快进给刀片

EDHT0402ER-CM



锁牙头规格：8、8.5、9.0、9.5、10、10.5、11、11.5、12、12.5、13、14、16

高效快进给刀片:

EPMT0603ER-CM





刀杆

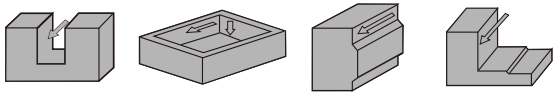
16-35mm

刀盘

50,63mm

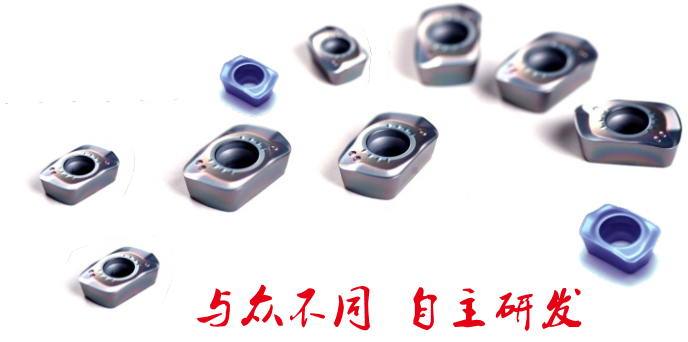
EDHT
EPMT 快进给铣削刀片

EDHT
EPMT High feed milling insert



槽加工　开框加工　方肩铣

1.相对市场传统EP及ED刀片来说，CM槽型的切削阻力小，锋利，特别适合加工高温合金，不锈钢，钛合金和软钢。
2.适合机床功率相对来说比较小的条件。
3. CP2430适合干式切削或者风冷。



与众不同 自主研发

特点：
刃口锋利，耐磨性好，稳定性高，加工效率极高；
性能超越进口同类顶级产品。

被加工对象：
不锈钢，高温合金，低碳钢加工。

Feature:
Sharp edged, perfect abrasive resistance, high stability and efficiency.
Performance exceed famous brand.

Application:
Stainless steel, Heat resisting alloy, low-carbon steel .

		PVD			
		CP2630T	CP2430	CP1120H	加工参数 parameters Vc (mm/min)
工件材质	P 钢件加工 Steel	✱	✱		120-160-250
	P 模具钢P20,718,SKD11,S136H	✱	✱		100-130-160
	P 淬火钢加工 HRC40-63 Steel	✲		●	50-80-120
	M 不锈钢 Stanless steel	✱	✱	●	60-110-150
	K 铸铁 Cast iron		✱	●	150-180-220
	S 钛合金 Titanium alloy	✱	✱		40-60-80
	S 耐热合金 Heat-resisting steel	✱	✱	●	40-70-100

型号规格	用途				Ap(mm)	f (mm/t)
EDHT0402ER-CM	不锈钢 钛合金 高温合金 模具钢	✱	✱	●	0.15-0.4	0.2-0.5
EPMT0603ER-CM					0.3-0.8	0.5-1.0

EDHT0402ER-CM编程R角为**R=1.5**mm；EPMT0603ER-CM编程R角为**R=2.0**mm
CP2430适合于干式或风冷切削. CP2430 Suitable For Dry Or Air-cooled Cutting

EDHT
EPMT

快进给铣削刀片
切削加工参数



工件材料	材料硬度	材质选择	线速度Vc m/min	每齿进给量 fz mm/t / Ap mm	
				EDHT0402	EPMT0603
碳钢 S45C, S50C	~220HB	CP2630T CP2430	100-250	fz=0.15-0.4 Ap=0.2-0.5	fz=0.5-1.0 Ap=0.3-0.8
合金钢 20CrMoTi, 42CrMo	~200HB	CP2630T CP2430	100-200	fz=0.15-0.4 Ap=0.2-0.5	fz=0.5-1.0 Ap=0.3-0.8
五金模具钢 SKD61(H13), SKD11	350HB	CP2630T CP1120H	100-150	fz=0.15-0.35 Ap=0.2-0.4	fz=0.5-1.2 Ap=0.5-0.7
模具钢 P20, 718, 738	HRC28-32	CP2630T CP2430	100-180	fz=0.15-0.35 Ap=0.2-0.4	fz=0.5-1.0 Ap=0.5-0.7
塑胶模具钢及不锈铁 S136H, NAK80, 4Cr13	HRC30-40	CP2630T CP2430	100-150	fz=0.1-0.3 Ap=0.2-0.4	fz=0.4-0.8 Ap=0.4-0.6
淬火钢 SKD61(H13)	HRC40-52	CP2630T CP1120H	80-120	fz=0.15-0.35 Ap=0.2-0.4	fz=0.5-1.2 Ap=0.5-0.7
淬火钢 SKD11(Cr12MoV)	HRC55-62	CP1120H	50-80	fz=0.05-0.1 Ap=0.05-0.15	fz=0.05-0.1 Ap=0.05-0.15
不锈钢 304, 316	200HB	CP2630T CP2430 CP1120H	100-150	fz=0. 2-0.5 Ap=0.2-0.4	fz=0.4-0.7 Ap=0.5-0.8
镍基高温合金 718	HRC38-45	CP2630T CP2430 CP1120H	60-120	fz=0.1-0.3 Ap=0.2-0.35	fz=0.2-0. 5 Ap=0.2-0.5
钛合金 Ti-6Al-4V(Tc4)	HRC40	CP2630T CP2430	30-80	fz=0.3-0.6 Ap=0.2-0.4	fz=0.3-0. 8 Ap=0.3-0.7
灰口铸铁 FC250, HT250	~200HB	CP1120H CP2430	100-220	fz=0.3-0.6 Ap=0.2-0.4	fz=0.5-1.0 Ap=0.3-0.7
球墨铸铁 FCD400, QT300, 400, 500, 600	~200HB	CP1120H CP2430	100-200	fz=0.3-0.6 Ap=0.2-0.4	fz=0.5-1.0 Ap=0.3-0.7

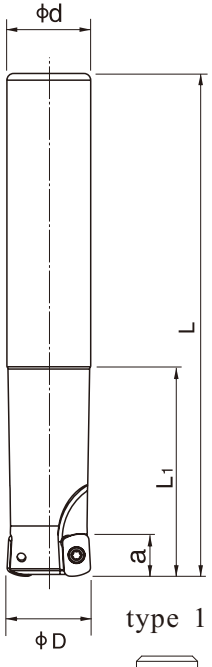
CP2430适合于干式或风冷切削. CP2430 Suitable For Dry Or Air-cooled Cutting

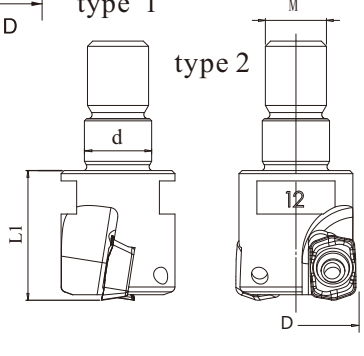
ASR 刀杆，锁牙头
用于EDHT0402 快进给刀片





本刀体材料均采用SKD61材料，热处理后加工，刚性好，抗震性能强，精度高，跳动在0.03mm内。
Cutter Tool: SKD61 material, processed after heat treatment,good rigidity, strong seismic performance, high precision <0.03mm



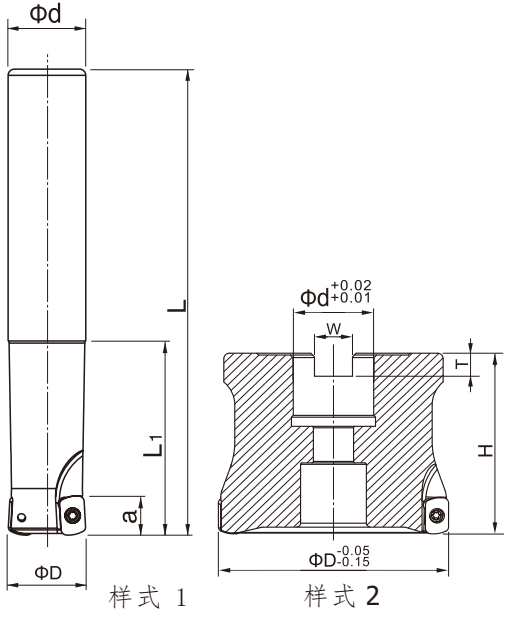


型号		刃数	样式	尺寸 mm					螺钉	扳手	刀片型号
				D	d	L	L1	M			
刀杆	ASR-8X80-ED04-1T	1	1	8	8	80	16		MS2040 MS2050	T6	EDHT0402
	ASR-10X80-ED04-2T	2	1	10	10	80	20				
	ASR-12X90-ED04-2T	2	1	12	12	90	25				
	ASR-14X100-ED04-3T-C16	3	1	14	16	100	35				
	ASR-16X100-ED04-4T	4	1	16	16	100	35				
锁牙头	ASR-8-ED04-1T-M4	1	2	8	4.5		11.5	M4			
	ASR-8.5-ED04-1T-M4	1	2	8.5	4.5		11.5	M4			
	ASR-9-ED04-1T-M4	1	2	9	4.5		11.5	M4			
	ASR-9.5-ED04-1T-M4	1	2	9.5	4.5		11.5	M4			
	ASR-10-ED04-2T-M5	2	2	10	5.5		12.5	M5			
	ASR-10.5-ED04-2T-M5	2	2	10.5	5.5		12.5	M5			
	ASR-11-ED04-2T-M5	2	2	11	5.5		12.5	M5			
	ASR-11.5-ED04-2T-M5	2	2	11.5	5.5		12.5	M5			
	ASR-12-ED04-2T-M6	2	2	12	6.5		12.5	M6			
	ASR-12.5-ED04-2T-M6	2	2	12.5	6.5		12.5	M6			
	ASR-13-ED04-2T-M6	2	2	13	6.5		14	M6			
	ASR-13.5-ED04-2T-M6	2	2	13.5	6.5		14	M6			
	ASR-14-ED04-3T-M6	3	2	14	6.5		14	M6			
	ASR-15-ED04-4T-M6	4	2	15	6.5		14	M6			
	ASR-16-ED04-4T-M8	4	2	16	8.5		16.5	M8			

ASR 刀杆，锁牙头
用于EPMT0603 快进给刀片







本刀体材料均采用SKD61材料，热处理后加工，刚性好，抗震性能强，精度高，跳动在0.03mm内。
Cutter Tool: SKD61 material, processed after heat treatment,good rigidity, strong seismic performance, high precision <0.03mm

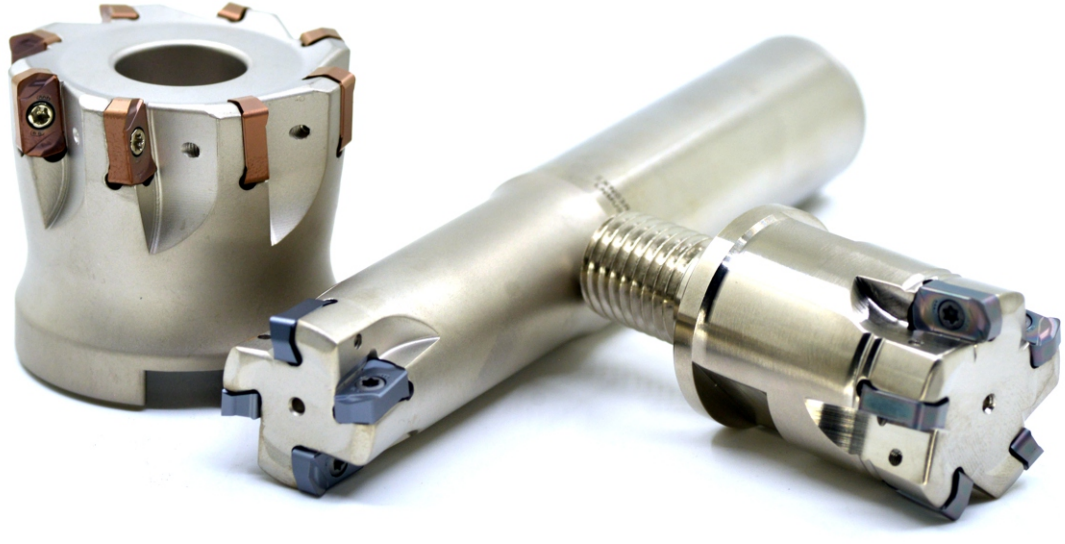
型号		刃数	样式	尺寸 mm					螺钉	扳手	刀片型号
				D	d	L H	L1 W	M			
刀杆	ASR-16X120-EP06-2T	2	1	16	16	120	35		MS2560	T8	EPMT0603
	ASR-17X120-EP06-2T-C16	2	1	17	16	120	35				
	ASR-20X120-EP06-2T	2	1	20	20	120	50				
	ASR-20X160-EP06-2T	2	1	20	20	160	50				
	ASR-21X120-EP06-2T-C20	2	1	21	20	120	27				
	ASR-25X120-EP06-3T	3	1	25	25	120	50				
	ASR-25X160-EP06-3T	3	1	25	25	160	50				
	ASR-32X160-EP06-4T	4	1	32	32	160	80				
	ASR-35X160-EP06-4T	4	1	35	32	160	40				
刀盘	ASR-EP06-40-16-4T	4	2	40	16	42	10.4				
	ASR-EP06-50-16-6T	6	2	50	22	50	10.4				
	ASR-EP06-63-16-8T	8	2	63	22	50	10.4				

双面快进给刀片：4个刃

LNMU0303ZER-CM

矢志不渝 追求完美

Passionate pursuit of perfection



刀杆规格：16-35mm　　刀盘规格：40，50，63，80mm

锁牙头规格：16，17，20，21，25，26，32，35mm

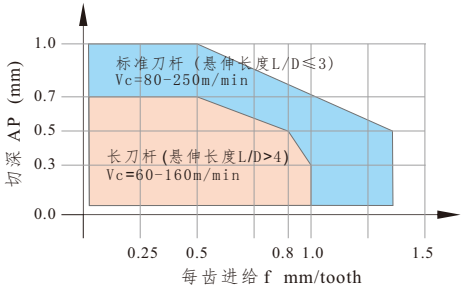
LNMU0303 快进给铣削刀片

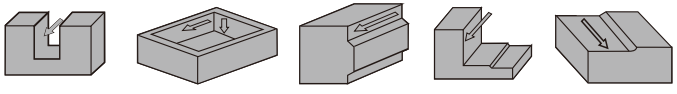
LNMU0303 high feed milling insert

LNMU0303刀片取代R5和APMT1135的粗加工

大大提高了效率和刀片寿命







槽加工　开框加工　方肩铣　平面铣

特点：

刃口强度高，耐磨性好，稳定性高，加工效率极高；

性能超越进口同类顶级产品。

被加工对象：

不锈钢，高温合金，模具钢及铸铁加工。

Feature:

Strong edge, perfect abrasive resistance, high stability and efficiency.

Performance exceed famous brand.

Application:

Stainless steel, Heat resisting alloy, Die steel, cast iron.

			PVD Coating			
			CP2630T	CP2430	CP1120H	加工参数 parameters
						Vc (mm/min)
工件材质	P	钢件加工 Steel	✱	✱		120-160-250
	P	模具钢P20,718,SKD11,S136H	✱	✱		100-130-160
	P	淬火钢加工 HRC50-63 Steel			✱	50-80-120
	M	不锈钢 Stainless steel	✱	✱	✱	60-110-150
	K	铸铁 Cast iron		✱	✱	150-180-220
	S	钛合金 Titanium alloy	✱	✱		40-60-80
	S	耐热合金 Heat-resisting steel	✱			40-60-100

型号规格 Type	用途 purpose				Ap(mm)	f (mm/t)
LNMU0303ZER-CM	不锈钢,钢,铸铁 钛合金，高温合金 Stainless steel, Steel, Cast iron Ti-alloy Heat-resisting	✱	✱	✱	0.3-0.8	0.3-1.2

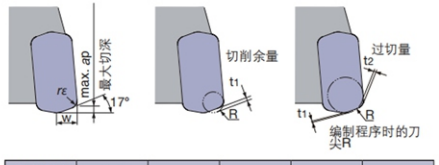
LNMU0303ZER-CM编程R角为**R=1.5**mm；
CP2430适合于干式或风冷切削. CP2430 Suitable For Dry Or Air-cooled Cutting

LNMU0303 切削加工参数



■ **编制程序上的刀具形状**

使用CAM编制程序时，应将刀具视为半径铣刀。一般情况下，应将刀尖半径设为R = 1.5 mm。若使用更大的半径，会出现过度切削情况。下表显示了切削余量(t_1)过切量(t_2)。

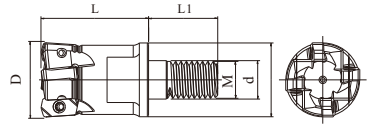


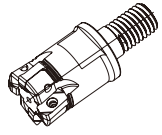
最大切深 最大 ap (mm)	刀尖半径 rε (mm)	W (mm)	编制程序时的刀尖 R	切削余量 t1 (mm)	过切量 t2 (mm)
1.0	1.2	3.0	1.0	0.6	-
			1.5	0.5	-
			2.0	0.25	0.08
			2.5	0.14	0.26

工件材料	材料硬度	材质选择	线速度Vc m/min	每齿进给量 fz mm/t / Ap mm		插铣
				刀具直径 Φ16-22	刀具直径 Φ25-50	
碳钢 S45C, S50C	~220HB	CP2630T CP2430	100-250	fz=0.5-1.2 Ap=0.5-0.8	fz=0.5-1.5 Ap=0.5-0.8	0. 1
合金钢 20CrMoTi, 42CrMo	~200HB	CP2630T CP2430	100-200	fz=0.5-1.0 Ap=0.4-0.6	fz=0.5-1.2 Ap=0.4-0.6	0. 1
五金模具钢 SKD61(H13)，SKD11	350HB	CP2630T CP2430	100-150	fz=0.5-0.7 Ap=0.3-0.5	fz=0.5-0.8 Ap=0.3-0.5	0. 1
模具钢 P20, 718，738	HRC28-32	CP2630T CP2430	100-180	fz=0.5-1.0 Ap=0.3-0.5	fz=0.5-1.0 Ap=0.3-0.5	0. 1
塑胶模具钢及不锈铁 S136H,NAK80,4Cr13	HRC30-40	CP2630T	100-150	fz=0.5-0.7 Ap=0.3-0.5	fz=0.5-0.8 Ap=0.3-0.5	0. 1
淬火钢 SKD61(H13)	HRC40-50	CP2630T CP1120H	80-120	fz=0.1-0.25 Ap=0.2-0.3	fz=0.1-0.25 Ap=0.2-0.3	0. 05
淬火钢 SKD11(Cr12MoV)	HRC50-62	CP1120H	70-120	fz=0.1-0.2 Ap=0.15-0.2	fz=0.1-0.2 Ap=0.15-0.2	0. 05
不锈钢 304，316	200HB	CP2630T CP2430	100-150	fz=0.3-0.6 Ap=0.3-0.6	fz=0.3-0.7 Ap=0.3-0.6	0. 08
钛合金 Ti-alloy 镍基高温合金 718		CP2630T CP2430	60-120	fz=0.3-0.5 Ap=0.3-0.5	fz=0.3-0.5 Ap=0.3-0.5	0. 08
灰口铸铁 FC250，HT250	~200HB	CP1120H CP2430	120-220	fz=0.5-1.5 Ap=0.5-1.0	fz=0.5-1.5 Ap=0.5-1.0	0.1
球墨铸铁 FCD400, QT300, 400, 500, 600	~200HB	CP1120H CP2430	100-200	fz=0.5-1.5 Ap=0.5-0.8	fz=0.5-1.5 Ap=0.5-0.8	0.1

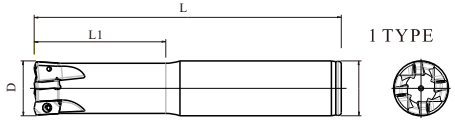
CP2430适合于干式或风冷切削. CP2430 Suitable For Dry Or Air-cooled Cutting

EXN 刀杆，锁牙头，刀盘

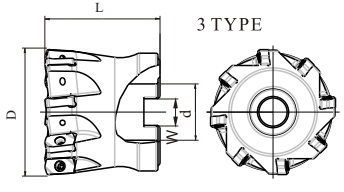




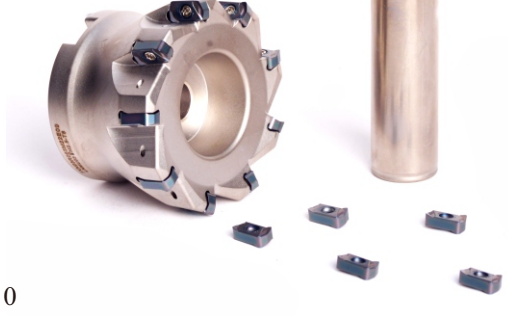
2 TYPE



1 TYPE



3 TYPE



本刀体材料均采用SKD61材料，热处理后加工，刚性好，抗震性能强，精度高，跳动在0.03mm内。
Cutter Tool: SKD61 material, processed after heat treatment,good rigidity, strong seismic performance, high precision <0.03mm

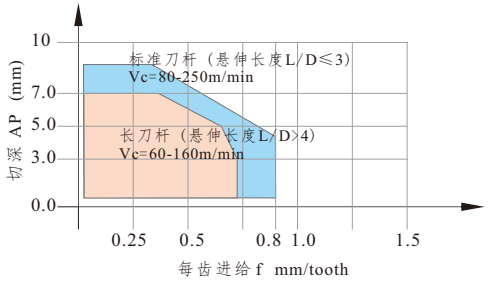
型号		刃数	样式	尺寸 mm					螺钉	扳手	刀片型号
				D	d	L	L1 W	M			
刀杆	EXN03R 16X16X90-2T	2	1	16	16	90	30		MS2560	T8	LNMU0303
	EXN03R 17X16X90-2T	2	1	17	16	90	30				
	EXN03R 17.5X16X90-2T	2	1	17.5	16	90	30				
	EXN03R 18X16X90-2T	2	1	18	16	90	30				
	EXN03R 20X20X100-3T	3	1	20	20	100	30				
	EXN03R 21X20X100-3T	3	1	21	20	100	30				
	EXN03R 21.5X20X100-3T	3	1	21.5	20	100	30				
	EXN03R 25X25X120-4T	3	1	25	25	120	45				
	EXN03R 26X25X120-4T	4	1	26	25	120	45				
	EXN03R 27.5X25X120-4T	4	1	27.5	25	120	45				
	EXN03R 32X32X135-5T	5	1	32	32	135	60				
	EXN03R 32X32X200-5T	5	1	32	32	200	60				
	EXN03R 35X32X135-5T	5	1	35	32	135	60				
	EXN03R 35X32X200-5T	5	1	35	32	200	60				
锁牙头	EXN03R 16-M8-2T	2	2	16	8.5	25	16.5	M8			
	EXN03R 17-M8-2T	2	2	17	8.5	25	16.5	M8			
	EXN03R 20-M10-3T	3	2	20	10.5	30	18.5	M10			
	EXN03R 21-M10-3T	3	2	21	10.5	30	18.5	M10			
	EXN03R 25-M12-4T	4	2	25	12.5	35	22.5	M12			
	EXN03R 26-M12-4T	4	2	26	12.5	35	22.5	M12			
	EXN03R 32-M16-5T	5	2	32	16.5	43	25	M16			
	EXN03R 35-M16-5T	5	2	35	16.5	43	25	M16			
刀盘	EXN03R 40X16X40-6T	6	3	40	16	40	10.4				
	EXN03R 50X22X45-8T	8	3	50	22	45	10.4				
	EXN03R 63X22X45-9T	9	3	63	22	45	10.4				

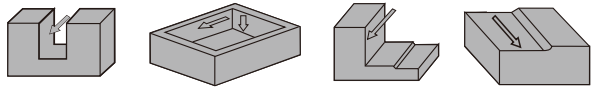
LOHT0804 1205 立装方肩铣削刀片

LOHT0804 1205 right angle milling insert

垂直度高，切深达到 7.0mm以上







特点：

刃口强度高，耐磨性好，稳定性高，加工效率极高；
性能超越进口同类顶级产品。

被加工对象：

不锈钢，高温合金，钢及铸铁加工。

Feature:

Strong edge, perfect abrasive resistance, high stability and efficiency.
Performance exceed famous brand.

Application:

Stainless steel, Heat resisting alloy, Die steel, cast iron.

		PVD Coating			
		CP2640T	CP2440	CP1120H	加工参数 parameters Vc (mm/min)
工件材质	P 钢件加工 Steel	✱	✱		120-160-250
	P 模具钢P20,718,SKD11,S136H	✱	✱		100-130-160
	P 淬火钢加工 HRC40-63 Steel			●	50-80-120
	M 不锈钢 Stainless steel	✱	✱	●	60-110-150
	K 铸铁 Cast iron				150-180-220
	S 钛合金 Titanium alloy	✱			40-60-80
	S 耐热合金 Heat-resisting steel	✱		●	40-60-100

型号规格 Type	用途 purpose				Ap(mm)	f (mm/t)
LOHT080404FN 080408FN 080410FN 080416FN	不锈钢，高温合金钢，铸铁 Stainless steel, Steel Cast iron Heat-resisting steel	✱	✱	●	0.3-8.0	0.15-0.5
LOHT120508FN 120510FN 120516FN 120520FN					0.3-12.0	0.15-0.8

LOHT0804 加工参数



工件材料	材料硬度	材质选择	线速度Vc m/min	每齿进给量 fz mm/t / Ap mm		插铣
				刀具直径 Φ16-22	刀具直径 Φ25-50	
碳钢 S45C, S50C	~220HB	CP2630T CP2430	100-250	fz=0.5-1.2 Ap=0.5-0.8	fz=0.2-0.5 Ap=0.2-8.0	0. 1
合金钢 20CrMoTi, 42CrMo	~200HB	CP2630T CP2430	100-200	fz=0.5-1.0 Ap=0.4-0.6	fz=0.2-0.5 Ap=0.2-8.0	0. 1
五金模具钢 SKD61(H13), SKD11	350HB	CP2630T CP2430	100-150	fz=0.5-0.7 Ap=0.3-0.5	fz=0.2-0.5 Ap=0.2-6.0	0. 1
模具钢 P20, 718, 738	HRC28-32	CP2630T CP2430	100-180	fz=0.5-1.0 Ap=0.3-0.5	fz=0.2-0.5 Ap=0.2-6.0	0. 1
塑胶模具钢及不锈铁 S136H, NAK80, 4Cr13	HRC30-40	CP2630T CP1120H	100-150	fz=0.5-0.7 Ap=0.3-0.5	fz=0.2-0.5 Ap=0.2-6.0	0. 1
淬火钢 SKD61(H13)	HRC40-50	CP2630T CP1120H	80-120	fz=0.1-0.2 Ap=0.15-0.2	fz=0.1-0.2 Ap=0.15-5.0	0. 05
淬火钢 SKD11(Cr12MoV)	HRC55-62	CP1120H	50-80	fz=0.05-0.1 Ap=0.1-0.15	fz=0.05-0.1 Ap=0.1-5.0	0. 03
不锈钢 304, 316	200HB	CP2630T	100-150	fz=0.3-0.6 Ap=0.3-0.6	fz=0.2-0.5 Ap=0.3-6.0	0. 08
镍基高温合金 718	HRC38-45	CP1120H CP2630T	60-120	fz=0.3-0.5 Ap=0.3-0.5	fz=0.15-0.3 Ap=0.3-6.0	0. 08
灰口铸铁 FC250, HT250	~200HB	CP2430 CP1120H	120-220	fz=0.5-1.5 Ap=0.5-1.0	fz=0.5-0.8 Ap=0.5-8.0	0.1
球墨铸铁 FCD400, QT300, 400, 500, 600	~200HB	CP2430 CP1120H	120-200	fz=0.5-1.5 Ap=0.5-0.8	fz=0.5-0.8 Ap=0.5-8.0	0.1

CP2430适合于干式或风冷切削. CP2430 Suitable For Dry Or Air-cooled Cutting

LOHT08 刀杆，锁牙头,刀盘
用于 LNHT0804 快进给刀片



本刀体材料均采用SKD61材料，热处理后加工，刚性好，抗震性能强，精度高，跳动在0.03mm内。
Cutter Tool: SKD61 material, processed after heat treatment,good rigidity, strong seismic performance, high precision <0.03mm

型号		刃数	样式	尺寸 mm					螺钉	扳手	刀片型号
				D	d	L	L1 W	M			
刀杆	ALR 16X25X78-LO08-2T-W	2	1	16	16	78	25		MS2560	T8	LOHT0804
	ALR 17X78-LO08-2T-C16-W	2	1	17	16	78					
	ALR 20X30X105-LO08-3T-W	2	1	18	16	105	30				
	ALR 21X90-LO08-3T-C20-W	3	1	20	20	90					
	ALR 25X30X101-LO08-4T-W	3	1	21	20	101	30				
	ALR 26X101-LO08-4T-C25-W	4	1	25	25	101					
	ALR 32X32X107-LO08-5T-W	4	1	26	25	107	32				
	ALR 32X60X135-LO08-5T-W	5	1	32	32	135	60				
	ALR 35X107-LO08-5T-C32-W	5	1	32	32	107					
	ALR 35X135-LO08-5T-C32-W	5	1	35	32	135					
		5	1	35	32						
锁牙头	ALMR 16-M8-LO08-2T-W	2	2	16	8.5	25	16.5	M8			
	ALMR 17-M8-LO08-2T-W	2	2	17	8.5	25	16.5	M8			
	ALMR 20-M10-LO08-3T-W	3	2	20	10.5	30	18.5	M10			
	ALMR 21-M10-LO08-3T-W	3	2	21	10.5	30	18.5	M10			
	ALMR 25-M12-LO08-4T-W	4	2	25	12.5	35	22.5	M12			
	ALMR 26-M12-LO08-4T-W	4	2	26	12.5	35	22.5	M12			
	ALMR 32-M16-LO08-5T-W	5	2	32	16.5	43	25	M16			
	ALMR 35-M16-LO08-5T-W	5	2	35	16.5	43	25	M16			
刀盘	ALFR 40X16X40-LO08-6T-W	6	3	40	16	40	10.4				
	ALFR 50X22X45-LO08-7T-W	8	3	50	22	45	10.4				
	ALFR 63X22X45-LO08-9T-W	9	3	63	22	45	10.4				
	ALFR 80X27X50-LO08-9T-W	9	3	80	27	50	12.4				

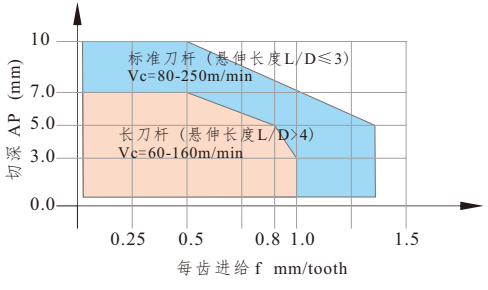
LNMU1104　　方肩铣削刀片

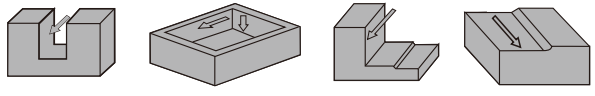
LNMU1104　right angle milling　insert

LNMU1104刀片是取代APMT1135和1604最佳方案

切深达到 9. 0mm以上







槽加工　开框加工　方肩铣　平面铣

特点：

刃口强度高，耐磨性好，稳定性高，加工效率极高；

性能超越进口同类顶级产品。

被加工对象：

不锈钢，高温合金，钢及铸铁加工。

Feature:

Strong edge, perfect abrasive resistance, high stability and efficiency.

Performance exceed famous brand.

Application:

Stainless steel, Heat resisting alloy, Die steel, cast iron.

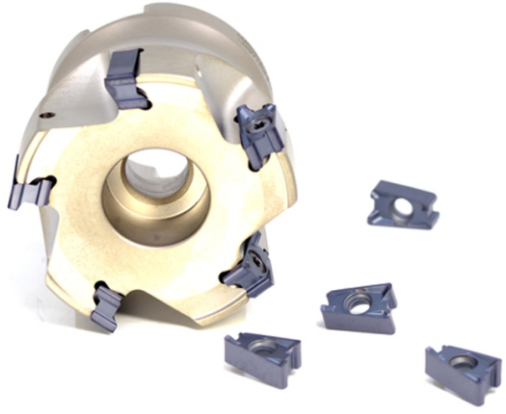
		PVD Coating			加工参数 parameters
		CP2630T	CP2430	CP1120H	Vc (mm/min)
工件材质	P 钢件加工 Steel	✱	✱		120-160-250
	P 模具钢P20,718,SKD11,S136H	✱	✱		100-130-160
	P 淬火钢加工 HRC40-63 Steel			●	50-80-120
	M 不锈钢 Stainless steel	✱	✱	●	60-110-150
	K 铸铁 Cast iron	✱	✱	●	150-180-220
	S 钛合金 Titanium alloy	✱			40-60-80
	S 耐热合金 Heat-resisting steel	✱		●	40-60-100

型号规格 Type	用途 purpose				Ap(mm)	f (mm/t)
LNMU1104SRGE	不锈钢，高温合金钢，铸铁 Stainless steel, Steel Cast iron Heat-resisting steel	✱	✱	●	0.3-9.0	0.3-0.7

刀尖圆角Re=0.8

CP2430适合于干式或风冷切削. CP2430 Suitable For Dry Or Air-cooled Cutting

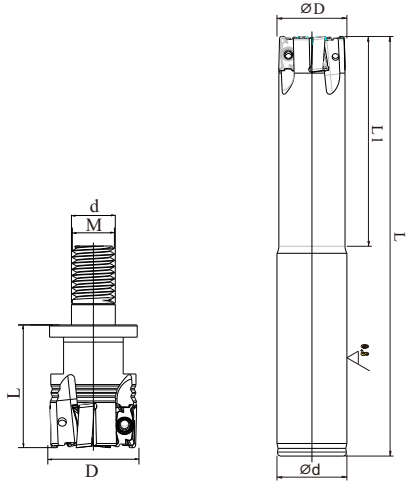
LNMU1104 加工切削参数

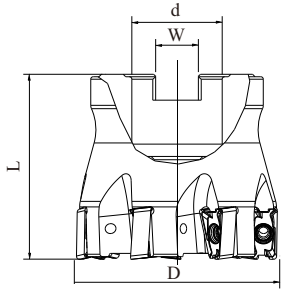


工件材料	材料硬度	材质选择	线速度Vc m/min	每齿进给量 fz mm/t / Ap mm		插铣
				刀具直径 Φ16-22	刀具直径 Φ25-50	
碳钢 S45C, S50C	~220HB	CP2630T CP2430	100-250	fz=0.5-1.2 Ap=0.5-0.8	fz=0.2-0.5 Ap=0.2-8.0	0. 1
合金钢 20CrMoTi, 42CrMo	~200HB	CP2630T CP2430	100-200	fz=0.5-1.0 Ap=0.4-0.6	fz=0.2-0.5 Ap=0.2-8.0	0. 1
五金模具钢 SKD61(H13)，SKD11	350HB	CP2630T CP2430	100-150	fz=0.5-0.7 Ap=0.3-0.5	fz=0.2-0.5 Ap=0.2-6.0	0. 1
模具钢 P20, 718，738	HRC28-32	CP2630T CP2430	100-180	fz=0.5-1.0 Ap=0.3-0.5	fz=0.2-0.5 Ap=0.2-6.0	0. 1
塑胶模具钢及不锈铁 S136H, NAK80, 4Cr13	HRC30-40	CP2630T CP1120H	100-150	fz=0.5-0.7 Ap=0.3-0.5	fz=0.2-0.5 Ap=0.2-6.0	0. 1
淬火钢 SKD61(H13)	HRC40-50	CP2630T CP1120H	80-120	fz=0.1-0.2 Ap=0.15-0.2	fz=0.1-0.2 Ap=0.15-6.0	0. 05
淬火钢 SKD11(Cr12MoV)	HRC55-62	CP1120H	50-80	fz=0.05-0.1 Ap=0.1-0.15	fz=0.05-0.1 Ap=0.1-6.0	0. 03
不锈钢 304，316	200HB	CP2630T	100-150	fz=0.3-0.6 Ap=0.3-0.6	fz=0.2-0.5 Ap=0.3-6.0	0. 08
镍基高温合金 718	HRC38-45	CP1120H CP2630T	60-120	fz=0.3-0.5 Ap=0.3-0.5	fz=0.15-0.3 Ap=0.3-6.0	0. 08
灰口铸铁 FC250, HT250	~200HB	CP2430 CP1120H	120-220	fz=0.5-1.5 Ap=0.5-1.0	fz=0.5-0.8 Ap=0.5-8.0	0.1
球墨铸铁 FCD400, QT300, 400, 500, 600	~200HB	CP2430 CP1120H	120-200	fz=0.5-1.5 Ap=0.5-0.8	fz=0.5-0.8 Ap=0.5-8.0	0.1

CP2430适合于干式或风冷切削. CP2430 Suitable For Dry Or Air-cooled Cutting

M4DR 刀杆，锁牙头,刀盘
用于 LNMU1104 快进给刀片





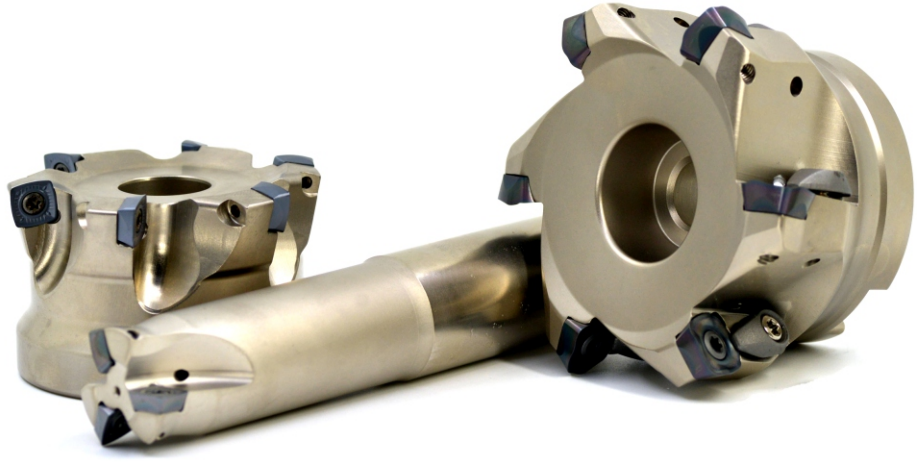
本刀体材料均采用SKD61材料，热处理后加工，刚性好，抗震性能强，精度高，跳动在0.03mm内。
Cutter Tool: SKD61 material, processed after heat treatment,good rigidity, strong seismic performance, high precision <0.03mm

型号		刃数	样式	尺寸 mm					螺钉	扳手	刀片型号
				D	d	L	L1 W	M			
刀杆	M4DR 16X16X100-LN11-2T	2	1	16	16	100	30		MS2560	T8	LNMU1104
	M4DR 17X16X100-LN11-2T	2	1	17	16	100	30				
	M4DR 18X16X100-LN11-2T	2	1	18	16	100	30				
	M4DR 20X20X130-LN11-3T	3	1	20	20	130	50				
	M4DR 21X20X130-LN11-3T	3	1	21	20	130	50				
	M4DR 25X25X140-LN11-4T	4	1	25	25	140	50				
	M4DR 26X25X140-LN11-4T	4	1	26	25	140	40				
	M4DR 32X32X150-LN11-5T	5	1	32	32	150	70				
	M4DR 32X32X200-LN11-5T	5	1	32	32	200	80				
	M4DR 35X32X150-LN11-5T	5	1	35	32	150	40				
	M4DR 35X32X200-LN11-5T	5	1	35	32	200	40				
锁牙头	M4DR 16-M8-LN11-2T	2	2	16	8.5	25	16.5	M8			
	M4DR 17-M8-LN11-2T	2	2	17	8.5	25	16.5	M8			
	M4DR 20-M10-LN11-3T	3	2	20	10.5	30	18.5	M10			
	M4DR 21-M10-LN11-3T	3	2	21	10.5	30	18.5	M10			
	M4DR 25-M12-LN11-4T	4	2	25	12.5	35	22.5	M12			
	M4DR 26-M12-LN11-4T	4	2	26	12.5	35	22.5	M12			
	M4DR 32-M16-LN11-5T	5	2	32	16.5	43	25	M16			
	M4DR 35-M16-LN11-5T	5	2	35	16.5	43	25	M16			
刀盘	M4DR 40X16X40-LN11-6T	6	3	40	16	40	10.4				
	M4DR 50X22X45-LN11-8T	8	3	50	22	45	10.4				
	M4DR 63X22X45-LN11-9T	9	3	63	22	45	10.4				
	M4DR 80X27X50-LN11-9T	9	3	80	27	50	12.4				

矢志不渝 追求完美
Passionate pursuit of perfection

金属铁屑收割机 Iron chip harvester

Apmax=2.0mm fmax=2.0mm



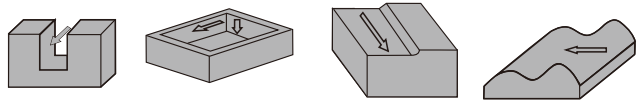
刀片型号 Insert Type

SDKT093508-CM SDHT120520-FN, SDMT120512-SN,
SDHT120520-SN, SDMT150512-SN
SDMT120520-SN

注意事项：快进给刀片在切削中负载较大，
对机床的功率及机床刚性要求高。

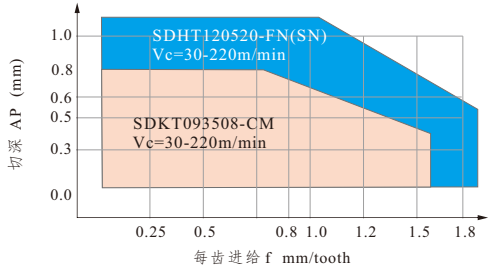
SDK(H,M)T 快进给刀片

SDK(H,M)T high feed milling insert



槽加工　开框加工　平面铣　仿形加工





特点：

刃口强度高，耐磨性好，稳定性高，加工效率极高；
性能超越进口同类顶级产品。

被加工对象：

不锈钢，高温合金，模具钢及球墨铸铁加工。

Feature:

Strong edge, perfect abrasive resistance, high stability and efficiency.
Performance exceed famous brand.

Application:

Stainless steel, Heat resisting alloy, Die steel, Nodular cast iron.

FN: 锋利（Sharp）
SN: (强壮 Strong)

工件材质		PVD Coating CP2630T CP2640T	PVD Coating CP2430	PVD Coating CP1120H	加工参数 parameters Vc (mm/min)
P	钢件加工 Steel	✱	✱		120-160-250
P	模具钢P20,718,SKD11,S136H	✱	✱		100-130-160
P	淬火钢加工 HRC40-63 Steel			●	50-80-120
M	不锈钢 Stainless steel	✱	✱	●	60-110-150
K	铸铁 Cast iron	✱	✱	●	150-180-220
S	钛合金 Titanium alloy	✱	✱		40-60-80
S	耐热合金 Heat-resisting steel	✱	✱	●	40-60-100

刀片型号 Type	材质 purpose				Ap(mm)	f (mm/t)
SDKT093508-CM	钛合金，不锈钢，高温合金，低碳钢 Ti-alloy, St-steel, Heat-resisting, steel	✱	✱	●	0.3-0.8	0.5-1.5
SDHT120520-FN		✱	✱	●	0.5-1.2	0.8-1.5
SDHT120520-SN	铸铁及钢件 Cast iron, Steel	✱	✱	●	0.5-1.2	0.8-2.0
NEW SDMT120520-SN		✱	✱		0.5-1.2	0.8-2.0
SDMT120512-HT		✱	✱	●	0.5-1.5	0.8-2.0
SDMT150512-HT		✱	✱		1.2-1.5	1.2-2.0

SDKT093508编程R角为**R=2.0mm**；切削锋利，用于钛合金加工的最佳选择；
SDH(M)T120520编程R角为**R=4.0mm**
SDMT120512和SDMT150512同HITACHI通装

SDKT0935
SDHT1205
SDMT1205
SDMT1505

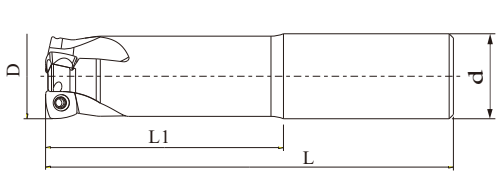
快进给刀片



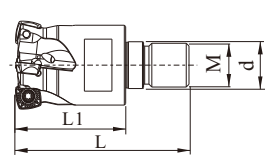
工件材料	材料硬度	材质选择	线速度Vc m/min	每齿进给量 fz mm/t / Ap mm	
				SDKT093508	SDHT120520
碳钢 S45C, S50C	~220HB	CP2630T CP2430	100-250	fz=0. 5-1.2 Ap=0.5-0.8	fz=0. 5-1.8 Ap=0.5-1.0
合金钢 20CrMoTi, 42CrMo	~200HB	CP2630T CP2430	100-200	fz=0. 5-1.0 Ap=0.4-0.6	fz=0. 5-1.5 Ap=0.5-1.0
五金模具钢 SKD61(H13)，SKD11	350HB	CP2630T CP2430	100-150	fz=0. 5-0.7 Ap=0.3-0.6	fz=0. 5-1.2 Ap=0.5-1.0
模具钢 P20, 718，738	HRC28-32	CP2630T CP2430	100-180	fz=0. 5-1.0 Ap=0.3-0.5	fz=0. 5-1.2 Ap=0.5-0.8
塑胶模具钢及不锈铁 S136H, NAK80, 4Cr13	HRC30-40	CP2630T CP2430	100-150	fz=0. 5-0.7 Ap=0.3-0.5	fz=0. 5-1.2 Ap=0.5-1.0
淬火钢 SKD61(H13)，S136H, NAK80	HRC40-50	CP2630T CP1120H	80-120	fz=0. 1-0.2 Ap=0.15-0.4	fz=0. 1-0.2 Ap=0.15-0.5
淬火钢	HRC50-62	CP1120H	50-80	fz=0. 1-0.2 Ap=0.10-0.4	fz=0. 1-0.2 Ap=0.15-0.5
不锈钢 304，316	200HB	CP2630T CP2430 CP1120H	100-150	fz=0. 3-0.5 Ap=0.3-0.6	fz=0. 3-0.8 Ap=0.3-0.8
镍基高温合金 718	HRC38-45	CP1120H CP2630T	60-120	fz=0. 3-0.5 Ap=0.3-0.5	fz=0. 3-0.6 Ap=0.3-0.6
钛合金 Ti-6Al-4V(Tc4)	HRC40	CP2640T	30-80	fz=0. 3-0.8 Ap=0.3-0.5	fz=0. 3-1.0 Ap=0.3-0.8
灰口铸铁 FC250，HT250	~200HB	CP2430	120-220	fz=0.5-1.5 Ap=0.5-1.0	fz=0.5-1.8 Ap=0.5-1.2
球墨铸铁 FCD400, QT300, 400, 500, 600	~200HB	CP2630T CP2430	120-200	fz=0.5-1.5 Ap=0.5-0.8	fz=0.5-1.8 Ap=0.5-1.2

CP2430适合于干式或风冷切削. CP2430 Suitable For Dry Or Air-cooled Cutting

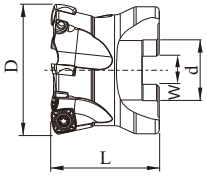
CSDR 刀杆，锁牙头，刀盘
用于SD系列 快进给刀片



1. 刀 杆（带内冷）

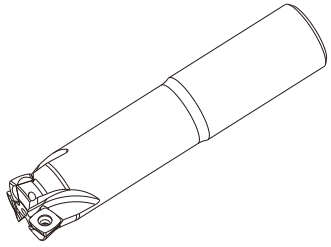


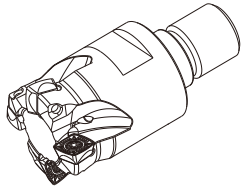
2. 锁牙头
（带内冷）

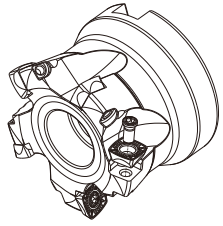


3. 刀 盘（带内冷）

本刀体材料均采用SKD61材料，热处理后加工，刚性好，抗震性能强，精度高，跳动在0.03mm内。
Cutter Tool: SKD61 material, processed after heat treatment,good rigidity, strong seismic performance, high precision <0.03mm







	型号	刃数	样式	尺寸 mm D	d	L	L1 W	M	螺钉	扳手	压板	刀片型号
刀杆	CSDR-25X120-SD09-3T-W	3	1	25	25	120	45		MS3070	T10		SDKT093508
	CSDR-26X25X120-SD09-3T-W	3	1	26	25	120	30					
	CSDR-32X140-SD09-4T-W	4	1	32	32	140	60					
	CSDR-35X140-SD09-4T-W	4	1	35	32	140	60					
	CSDR-35X200-SD09-4T-W	4	1	35	32	200	60					
锁牙头	CSDRM-25-SD09-M12-3T-W	3	2	25	12. 5	55	33	M12				
	CSDRM-32-SD09-M16-4T-W	4	2	32	17	63	40					
	CSDRM-35-SD09-M16-4T-W	4	2	35	17	63	40	M16				
	CSDRM-40-SD09-M16-5T-W	5	2	40	17	63	40					
	CSDRM-35-**SD12**-M16-3T-W	3	2	35	17	72	42	M16	MS4090	T15		SDHT1205 SDMT1205
	CSDRM-40-**SD12**-M16-4T-W	4	2	40	17	72	42					
刀盘	CSDR-40-SD09-5T-16-W	4	3	40	16	40	10.4		MS3070	T10		SDKT093508
	CSDR-50-SD09-6T-22-W	5	3	50	22	40	10.4					
	CSDR-63-SD09-6T-22-W	6	3	63	22	40	10.4					
	CSDR-63-SD09-8T-22-W	8	3	63	22	40	10.4					
	CSDR-80-SD09-8T-27-W	8	3	80	27	40	12.4					
	CSDR-50-**SD12**-4T-22	4	3	50	22	50	10.4		MS4090	T15	BR-6	SDHT1205 SDMT1205
	CSDR-63-**SD12**-5T-22	5	3	63	22	50	10.4					
	CSDR-80-**SD12**-6T-27	6	3	80	27	50	12.4					
	CSDR-100-**SD12**-6T-32	6	3	100	32	63	14.4					
	CSDR-125-**SD12**-7T-40	7	3	125	40	63	16.4					

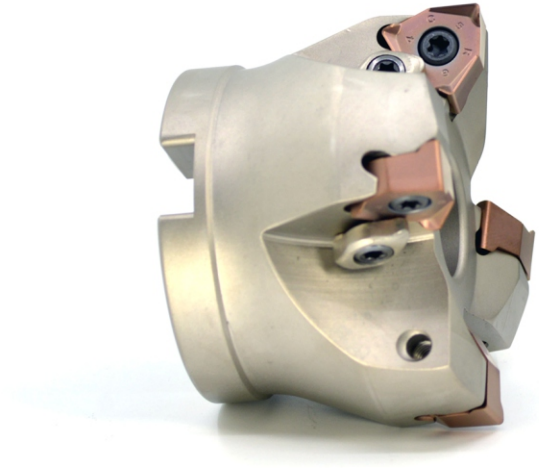
SDKT093508编程R角为R=2. 0mm；SDHT120520编程R角为R=4. 0mm

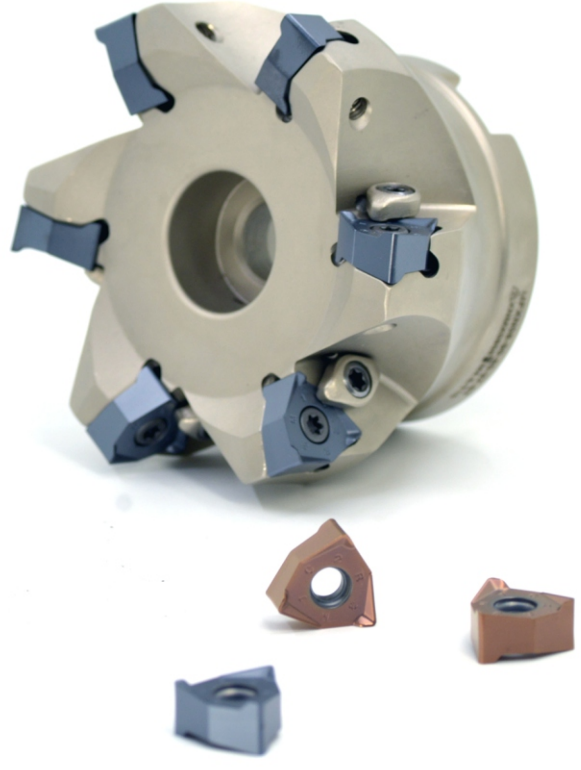
90°方肩铣削刀片:

钢件及铸铁加工

XNMX080608TR-CM

XNHX080608TR-CM





刀盘规格:

50，63，80，100，125，160mm

90°方肩铣削刀片

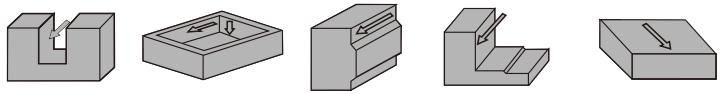
刃口锋利,切削轻快



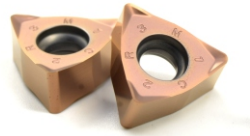
WNMH060610-FN
WNMU060610-SN

WNM(H)U XNM(H)X 双面铣削刀片

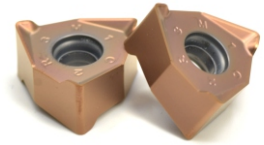
WNM(H)U XNM(H)X Milling insert



槽加工　开框加工　方肩铣　平面铣



WNMU060610-SN 刀尖R=1.0
WNHU060610-FN
锋利（Sharp）



XNMU080608TR-CM 刀尖R=0.8
XNHU080608TR-CM
(强壮 Strong)

WNMU060610刀片是自主开发
拥有自己知识产权专利申请

工件材质		PVD Coating CP2630T CP2640T	CP2430	CP1120H	CPA2140K	加工参数 parameters Vc (mm/min)
P	钢件加工 Steel	✱	✱		✱	120-160-250
P	模具钢 P20,718,SKD11,S136H	✱	✱		✱	100-130-160
P	淬火钢加工 HRC40-63 Steel			●		50-80-120
M	不锈钢 Stainless steel	✱	✱	●		60-110-150
K	铸铁 Cast iron		✱	●	✱	150-180-220
S	钛合金 Titanium alloy	✱	✱		✱	40-60-80
S	耐热合金 Heat-resisting steel	✱		●	✱	40-60-100

型号规格 Type	用途 purpose					Ap(mm)	f (mm/t)
WNHU 060610-FN	不锈钢，高温合金 钛合金,低碳钢	✱	✱	●		0.1-3.0	0.05-0.35
WNMU 060610-SN	铸铁及钢件 Cast iron, Steel	✱	✱	●	✱	0.1-4.0	0.1-0.5
XNMX080608TR-CM	铸铁及钢件 Cast iron, Steel	✱	✱	●	✱	0.1-4.0	0.1-0.5
XNHX080608TR-CM 带修光刃	不锈钢,钢件 Stainless steel,Steel	✱	✱	●		0.1-4.0	0.1-0.5

1. WNHU060610-FN: 适合于精加工及难加工材料（不锈钢 Stainless steel，高温合金 Heat-resisting steel，钛合金 Ti-alloy）加工；
2. WNMU060610-SN: 适合于钢件 Steel 加工，通用性极强；
3. XNMX080608TR-CM: 刃口强壮，适合于钢件 Steel 及铸铁 Cast iron材料加工；
4. XNHX080608TR-CM: 刃口较强壮，适合于钢件 Steel 材料加工；

WNMU 060610 替代APMT1604PDER-H2 刀片利器
WNMU 060610 Replace APMT1604PDER-H2
WNHU060610-FN(锋利 Sharp) =APMT1604PDER-M2和 3PKT060308R-M.
WNMU060610-SN(强壮 Strong)=APMT1604PDER-H2 &APMT1605PDTR

XNM(H)X080608TR-CM和SECO（山高）通装；
CP2430适合于干式或风冷切削. CP2430 Suitable For Dry Or Air-cooled Cutting

WNM(H)U0606
XNM(H)X0806

方肩铣刀片

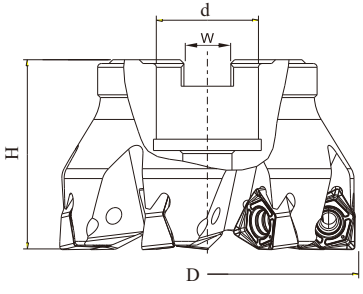


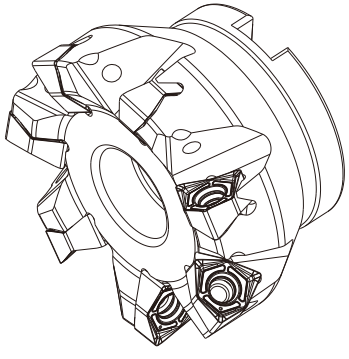
工件材料	材料硬度	材质选择	线速度Vc m/min	每齿进给量 fz mm/t
碳钢 S45C, S50C	~220HB	CP2630T CP2430	100-250	0.1-0.4
合金钢 20CrMoTi, 42CrMo	~200HB	CP2630T CP2430	100-200	0.1-0.4
五金模具钢 SKD61(H13)，SKD11	350HB	CP2630T CP2430	100-150	0.1-0.3
模具钢 P20, 718，738	HRC28-32	CP2630T CP2430	100-180	0.1-0.4
塑胶模具钢及不锈铁 S136H，NAK80，4Cr13	HRC30-40	CP2630T CP2430	100-150	0.1-0.35
淬火钢 SKD61(H13)	HRC40-48	CP2630T CP1120H	80-120	0.1-0.2
淬火钢 SKD11(Cr12MoV)	HRC48-60	CP1120H	50-100	0.05-0.1
不锈钢 304，316	200HB	CP2640T CP2430 CP1120H	100-150	0.07-0.35
镍基高温合金 718	HRC38-45	CP2640T CP2430 CPA2140K	60-120	0.07-0.3
钛合金 Ti-6Al-4V(Tc4)	HRC40	CP2640T CP2430 CPA2140K	30-80	0.07-0.3
灰口铸铁 FC250，HT250	~200HB	CPA2140K CP1120H	120-220	0.1-0.5
球墨铸铁 FCD400, QT300, 400, 500, 600	~200HB	CPA2140K CP1120H	120-200	0.1-0.5

铸铁和锻钢加工优先选择XNMX080608TR-CM

CP2430适合于干式或风冷切削. CP2430 Suitable For Dry Or Air-cooled Cutting

MFWN 刀杆，锁牙头，刀盘
用于WN&XN 方肩铣削刀片



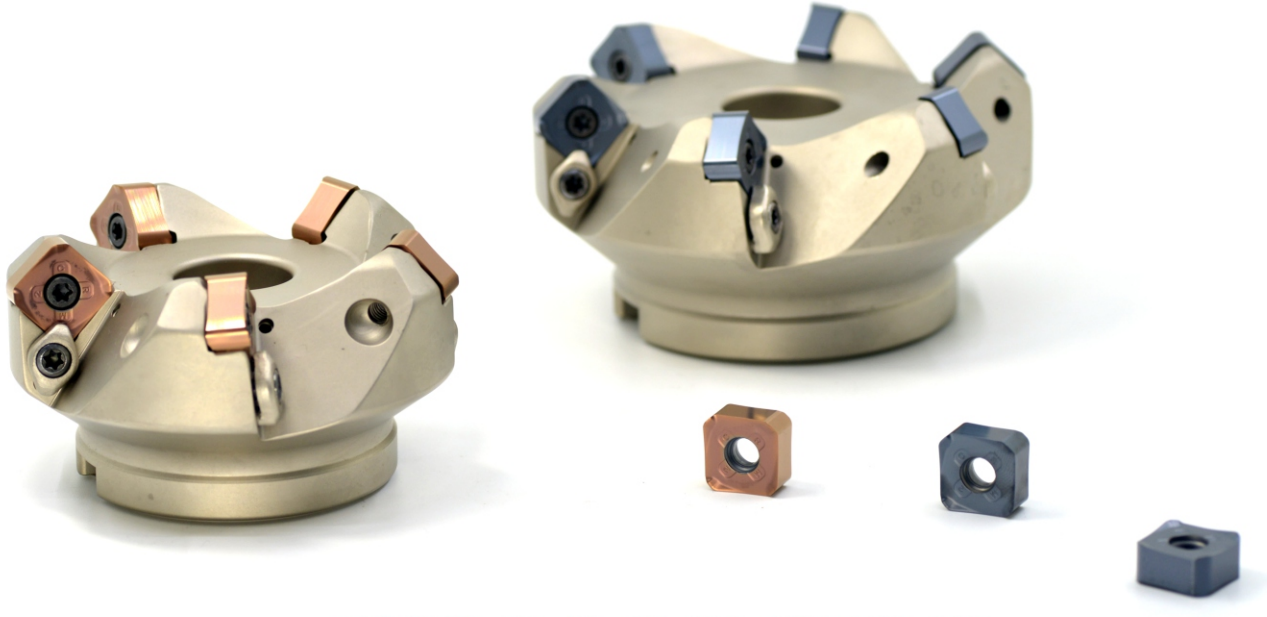


本刀体材料均采用SKD61材料，热处理后加工，刚性好，抗震性能强，精度高，跳动在0.03mm内。
Cutter Tool: SKD61 material, processed after heat treatment,good rigidity, strong seismic performance, high precision <0.03mm

型号		刃数	样式	尺寸 mm D	d	H L	W L1	M	冷却 cooling	螺钉	扳手	压板	刀片型号
刀杆	MFWN06-32X32X135-3T	3	1	32	32	140	60			MS40120	T15		WNMU060610 WNHU060610
	MFWN06-32X32X200-3T	3	1	32	32	200	60						
	MFWN06-35X32X160-3T	3	1	35	32	140	60						
	MFWN06-35X32X200-3T	3	1	35	32	200	60						
锁牙头	MFWN06M-90-32-M16-3T	3	2	32	17	72	42	M16					
	MFWN06M-90-35-M16-3T	3	2	35	17	72	42						
	MFWN06M-90-40-M16-3T	3	2	40	17	72	42						
刀盘	MFWN06-90-40-16-4T	4	4	40	16	40	8.4						
	MFWN06-90-50-22-4T	4	3	50	22	40	10.4						
	MFWN06-90-63-22-5T	5	3	63	22	40	10.4						
	MFWN06-90-80-27-6T	6	3	80	27	50	12.4						
	MFWN06-90-100-32-8T	8	3	100	32	55	14.4						
	MFWN06-90-125-40-10T	10	3	125	40	63	16.4						
	MFWN06-90-160-40-12T	12	3	160	40	63	16.4						
刀盘	MFXN08-90-50-22-4T	4	3	50	22	45	10.4			MS45120	T20		XNMX080608 TR-CM
	MFXN08-90-63-22-5T	5	3	63	22	45	10.4						
	MFXN08-90-80-27-6T	6	3	80	27	50	12.4						
	MFXN08-90-100-32-8T	7	3	100	32	55	14.4						
	MFXN08-90-125-40-10T	8	3	125	40	63	16.4						
	MFXN08-90-160-40-10T	10	3	160	40	63	16.4						
	MFXN08-90-200-60-12T	12	3	200	60	63	25.7						

重力铣削刀片：Ap4.5mm
SNHT13T6ANER-CM

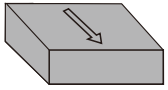
矢志不渝 追求完美
Passionate pursuit of perfection



刀盘规格：50，63，80，100，125，160，200

SNHT13T6 双面铣削刀片

SNHT13T6 milling insert



平面加工



特点：

刃口锋利，切削轻快，耐磨性好，稳定性高，切深Ap<4. 5mm;

被加工对象：

钢及球墨铸铁加工。

Feature:

Sharp edge, Light cutting，good wear resistance,

high stability, Ap<4.5mm,

Application:

steel, cast iron.

		PVD Coating				
		CP2630T	CP2430	CP1120H	CPA2140K	加工参数 parameters Vc (mm/min)
工件材质	P 钢件加工 Steel	✱	✱		✱	120-160-250
	P 模具钢P20,718,SKD11,S136H	✱	✱		✱	100-130-160
	P 淬火钢加工 HRC40-63 Steel			●		50-80-120
	M 不锈钢 Stainless steel					60-110-150
	K 铸铁 Cast iron	✱	✱	●	✱	150-180-220
	S 钛合金 Titanium alloy					40-60-80
	S 耐热合金 Heat-resisting steel					40-60-100

型号规格 Type	用途 purpose					Ap(mm)	f (mm/t)
SNHT13T6ANER-CM	钢件，铸铁 Steel, Cast iron	✱	✱	●	✱	0.1-4.5	0.07-0.5

切削阻力相对较低，轻快

Cutting resistance is low and light

SNHT13T6和SUMITOMO（住友）通装；

CP2430适合于干式或风冷切削. CP2430 Suitable For Dry Or Air-cooled Cutting

SNHT13T6 加工切削参数



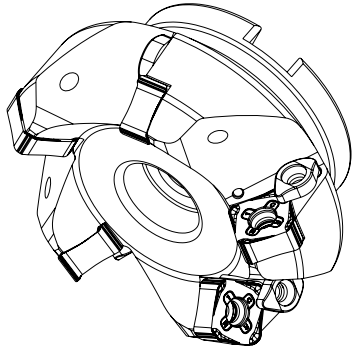
Ap max<4.5mm

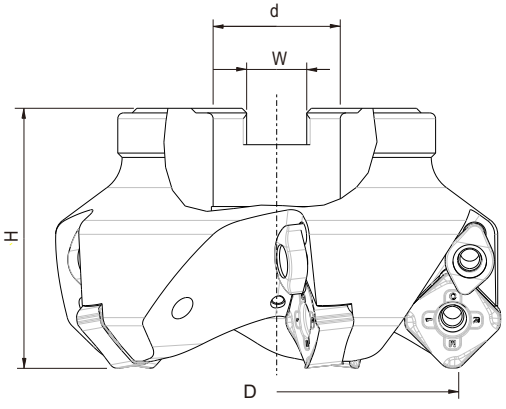
工件材料	材料硬度	材质选择	线速度Vc m/min	大切深 每齿进给量 fz mm/t
碳钢 S45C, S50C	~220HB	CP2630T CP2430	100-250	0.1-0.4
合金钢 20CrMoTi, 42CrMo	~200HB	CP2630T CP2430	100-200	0.1-0.4
五金模具钢 SKD61(H13), SKD11	350HB	CP2630T CP2430	100-150	0.1-0.3
模具钢 P20, 718, 738	HRC28-32	CP2630T CP2430	100-180	0.1-0.4
塑胶模具钢及不锈铁 S136H, NAK80, 4Cr13	HRC30-40	CP2630T CP2430	100-150	0.1-0.35
淬火钢 SKD61(H13)	HRC40-50	CP2630T CP1120H	80-120	0.1-0.2
淬火钢 SKD11(Cr12MoV)	HRC40-63	CP1120H	50-100	0.05-0.1
灰口铸铁 FC250, HT250	~200HB	CPA2140K CP1120H	120-220	0.1-0.5
球墨铸铁 FCD400, QT300, 400, 500, 600	~200HB	CPA2140K CP1120H	120-200	0.1-0.4

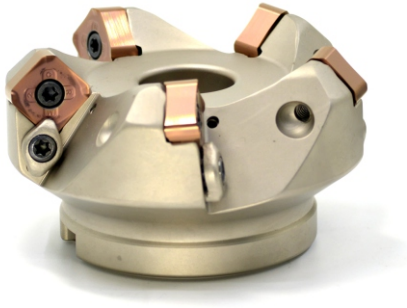
CP2430适合于干式或风冷切削. CP2430 Suitable For Dry Or Air-cooled Cutting

DGCM 45° 刀盘

用于SNHT13T6 重力切削刀片







本刀体材料均采用SKD61材料，热处理后加工，刚性好，抗震性能强，精度高，跳动在0.03mm内。
Cutter Tool: SKD61 material, processed after heat treatment,good rigidity, strong seismic performance, high precision <0.03mm

型号		刃数	样式	尺寸 mm				冷却 cooling	螺钉	扳手	压板	刀片型号
				D	d	H	W					
刀盘	DGCM 050-22-4T-45°	4	1	50	22	45	10.4		MS45120	T15	AR-6	SNHT13T6
	DGCM 063-22-5T-45°	5	1	63	22	45	10.4					
	DGCM 080-27-6T-45°	6	1	80	27	50	12.4					
	DGCM 100-32-7T-45°	7	1	100	32	50	14.4					
	DGCM 125-40-8T-45°	8	1	125	40	63	16.4					
	DGCM 160-40-10T-45°	10	1	160	40	63	16.4					
	DGCM 200-60-12T-45°	12	1	200	60	63	25.7					
	DGCM 250-60-14T-45°	14	1	250	60	63	25.7					

此刀盘带压板

双面五角精铣刀片:
PNHU0905GNER

矢志不渝 追求完美
Passionate pursuit of perfection

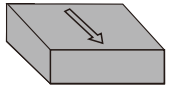




刀盘规格: 50，63，80，100，125，160

PNHU 双面铣削刀片 刃口锋利

PNHU milling insert



平面加工

特点：
刃口锋利，切削轻快，耐磨性好，稳定性高，
精加工性能超越进口同类顶级产品。
被加工对象：
不锈钢，钛合金首选，高温合金加工。

Feature:
Sharp edge, Light cutting，good wear resistance,
Performance exceed famous brand For Finishing .
Application:
Stainless steel, titanium alloy preferred, Heat resisting alloy.



刀尖圆角Re=0. 8

工件材质			PVD Coating CP2630T CP2640T	PVD Coating CPA2140K	PVD Coating CP2430	PVD Coating CP1120H	加工参数 parameters Vc (mm/min)
	P	钢件加工 Steel	●	✱	●		120-160-250
	P	模具钢P20,718,SKD11,S136H	●	✱	●		100-130-160
	P	淬火钢加工 HRC40-63 Steel				●	50-80-120
	M	不锈钢 Stainless steel	●	✱	●	●	60-110-150
	K	球墨铸铁 Cast iron					150-180-220
	S	钛合金 Titanium alloy	●	✱	●		40-60-80
	S	耐热合金 Heat-resisting steel	●	✱		●	40-60-120

型号规格 Type	用途 purpose					Ap(mm)	f (mm/t)
PNHU0905GNER	不锈钢，高温合金 钛合金,低碳钢 Stainless steel Titanium alloy Heat-resisting steel	●	✱	●	●	0.1-2.0	0.05-0.3
PNHU090508GNEN(粗)							
PNHU0905GNER-X (带修光刃)							

PNHU0905GNER和Tungaloy通装，PNHU0905GNER-X为我公司为67° 刀盘开发；
CP2430适合于干式或风冷切削. CP2430 suitable for dry or air-cooled cutting

PNHU0905 加工切削参数



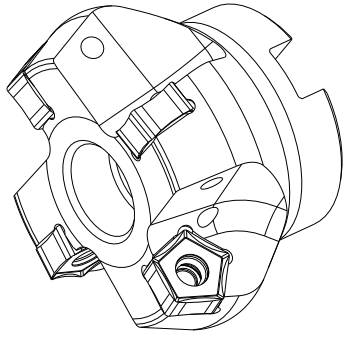
Ap max<2.0mm

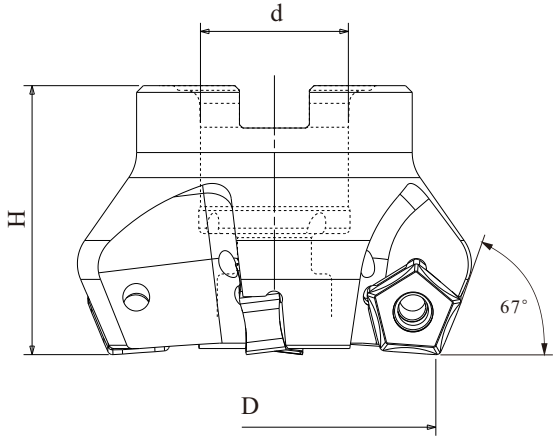
工件材料	材料硬度	材质选择	线速度Vc m/min	每齿进给量 fz mm/t
碳钢 S45C, S50C	~220HB	CP2630T CP2430	100-250	0.05-0.3
合金钢 20CrMoTi, 42CrMo	~200HB	CP2630T CP2430	100-200	0.05-0.25
五金模具钢 SKD61(H13)，SKD11	350HB	CP2630T CP2430	100-150	0.05-0.25
模具钢 P20, 718，738	HRC28-32	CP2630T CP2430	100-150	0.05-0.25
塑胶模具钢及不锈铁 S136H，NAK80， 4Cr13	HRC30-40	CP2630T CP1120H	100-150	0.05-0.15
不锈钢 304，316	200HB	CP2640T CP1120H	100-150	0.05-0.25
镍基高温合金 718	HRC38-45	CPA2140K CP1120H	60-120	0.05-0.2
钛合金 Ti-6Al-4V(Tc4)	HRC40	CP2640T CP2430	30-80	0.05-0.25

CP2430适合于干式或风冷切削. CP2430 Suitable For Dry Or Air-cooled Cutting

TEN67° 刀盘

用于PNHU0905 双面刀片







本刀体材料均采用SKD61材料，热处理后加工，刚性好，抗震性能强，精度高，跳动在0.03mm内。
Cutter Tool: SKD61 material, processed after heat treatment,good rigidity, strong seismic performance, high precision <0.03mm

	型号	刃数	样式	尺寸 mm				冷却 内 cooling	螺钉	扳手	刀片型号
				D	d	H	W				
刀盘	TEN09R050M22-4T-67°-W	4	1	50	22	40	10.4	●	MS40120	T15	PNHU0905
	TEN09R063M22-6T-67°-W	6	1	63	22	40	10.4	●			
	TEN09R080M27-7T-67°-W	7	1	80	27	50	12.4	●			
	TEN09R100M32-8T-67°-W	8	1	100	32	50	14.4	●			
	TEN09R125M40-8T-67°-W	10	1	125	40	63	16.4	●			
	TEN09R160M40-8T-67°-W	10	1	160	40	63	16.4	●			

重力铣削刀片 Ap 5.0

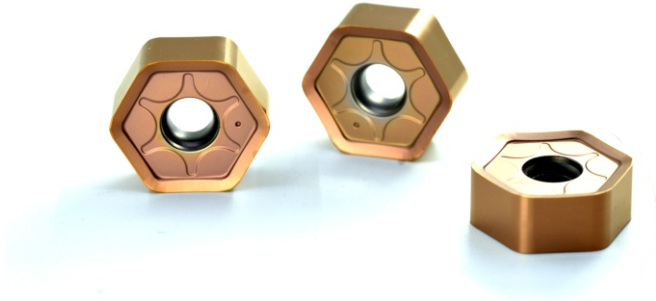
HNGX0906ANTN (带修光刃)

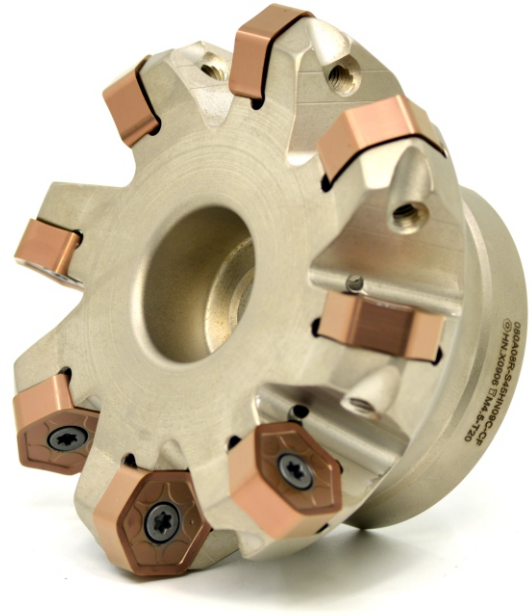
HNGX0906ANSN

刀盘规格:

63，80，100，125，160，

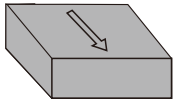
200，250，315





HNGX0906 双面铣削刀片

HNGX0906 milling insert



平面加工

特点：

刃口锋利，切削轻快，耐磨性好，稳定性高，切深Ap<5. 0mm;

被加工对象：

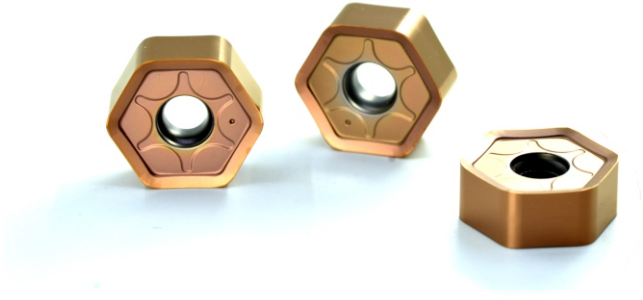
不锈钢，钛合金，高温合金，模具钢及球墨铸铁加工。

Feature:

Sharp edge, Light cutting，good wear resistance,high stability, Ap<5.5mm,

Application:

Stainless steel, Titanium alloy, Heat resisting alloy, Die steel, Nodular cast iron.



		PVD Coating				
		CP2630T	CP1120H	CPA2140K	加工参数 parameters	
					Vc (mm/min)	
工件材质	P 钢件加工 Steel	✱		✱	120-160-250	
	P 模具钢P20,718,SKD11,S136H	✱		✱	100-130-160	
	P 淬火钢加工 HRC40-63 Steel		●		50-80-120	
	M 不锈钢 Stainless steel			✱	60-110-150	
	K 铸铁 Cast iron	✱	●	✱	150-180-220	
	S 钛合金 Titanium alloy			✱	40-60-80	
	S 耐热合金 Heat-resisting steel	✱		✱	40-60-100	
型号规格 Type	用途 purpose				Ap(mm)	f (mm/t)
HNGX 0906ANSN	铸铁及钢件 Cast iron, Steel	✱	●	✱	0.1-5.0	0.1-0.4
HNGX 0906ANTN (带修光刃)	不锈钢，高温合金 低碳钢 Stainless steel Heat-resisting steel Low -carbon steel	✱	●	✱	0.1-5.0	0.07-0.3

PRAMET(普拉米特)通装

HNGX0906 加工切削参数



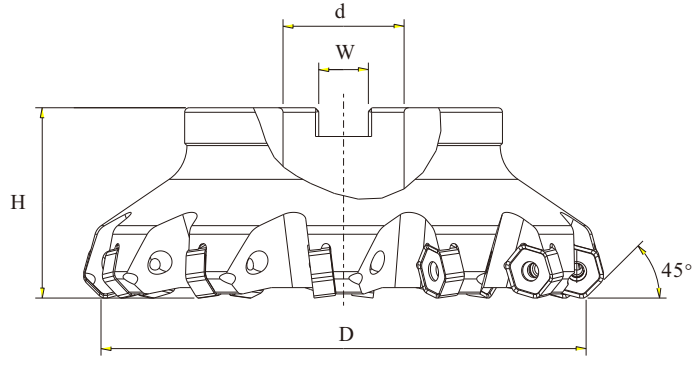
Ap max<5.0mm

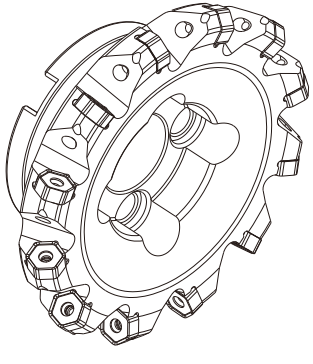
工件材料	材料硬度	材质选择	线速度Vc m/min	每齿进给量 fz mm/t
碳钢 S45C, S50C	~220HB	CP2630T CP2430	100-250	0.07-0.4
合金钢 20CrMoTi, 42CrMo	~200HB	CP2630T CP2430	100-200	0.07-0.4
模具钢 P20, 718, 738	HRC28-32	CP2630T CP2430	100-180	0.07-0.35
塑胶模具钢及不锈铁 S136H, NAK80, 4Cr13	HRC30-40	CP2630T CP2430	100-150	0.07-0.2
五金模具钢 SKD61(H13), SKD11	350HB	CP2630T CP2430	100-150	0.07-0.3
不锈钢 304, 316	200HB	CP2630T CP1120H	100-150	0.07-0.3
镍基高温合金 718	HRC38-45	CP1120H CPA2140K	60-120	0.07-0.2
灰口铸铁 FC250, HT250	~200HB	CP1120H CPA2140K	120-220	0.07-0.4
球墨铸铁 FCD400,QT300, 400, 500, 600	~200HB	CP1120H CPA2140K	120-200	0.07-0.4

CP2430适合于干式或风冷切削. CP2430 Suitable For Dry Or Air-cooled Cutting

HNGX0906 45°刀盘

用于 HNGX09 刀片



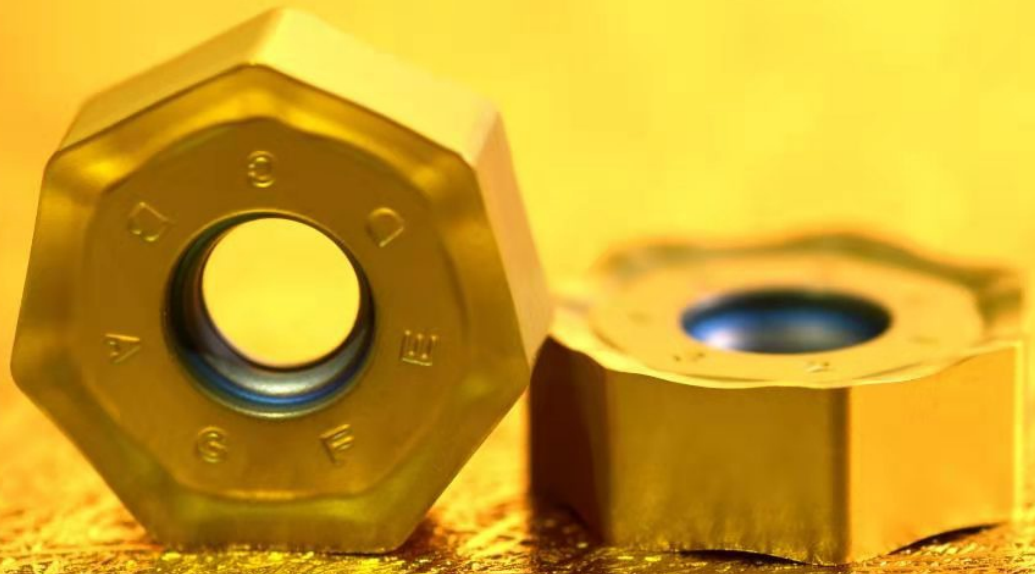


本刀体材料均采用SKD61材料，热处理后加工，刚性好，抗震性能强，精度高，跳动在0.03mm内。
Cutter Tool: SKD61 material, processed after heat treatment,good rigidity, strong seismic performance, high precision <0.03mm

型号		刃数	样式	尺寸 mm				冷却 cooling	螺钉	扳手	刀片型号
				D	d	H	W				
刀盘	63A06R-S45HN09-W	6	1	63	22	40	10.4	●	MS45120	T15	HNGX0906
	80A08R-S45HN09-W	8	1	80	27	50	12.4	●			
	100A10R-S45HN09-W	10	1	100	32	50	14.4	●			
	125A10R-S45HN09-W	10	1	125	40	63	16.4	●			
	160A12R-S45HN09-W	12	2	160	40	63	16.4	●			
	200A12R-S45HN09-W	12	2	200	60	63	25.7	●			
	250A14R-S45HN09-W	14	2	250	60	63	25.7	●			
	315A16R-S45HN09-W	16	2	315	60	80	25.7	●			

XNMU0805ANTN. CP2645T

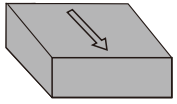
高温合金
不锈钢
钢件
球墨铸铁



粗加工之王

XNH(M)U06 XNMU08 双面铣削刀片

XNH(M)U06 XNMU08 Milling insert



平面加工



特点：

刃口锋利，切削轻快，耐磨性好，稳定性高，
覆盖切深XN06 Ap<3.5mm，XN08 Ap<4.5mm，加工效率极高；
性能超越进口同类顶级产品。

被加工对象：

不锈钢，钛合金，高温合金，模具钢及球墨铸铁加工。

Feature:

Sharp edge, Light cutting，good wear resistance,
high stability, XN06 Ap<3.5mm，XN08 Ap<4.5mm,
Performance exceed famous brand.

Application:

Stainless steel, Titanium alloy, Heat resisting alloy,
Die steel, Nodular cast iron.

高温合金加工专用

精加工：

XNHU0605ANR.CP1120H, CPA1140G

粗加工：

XNM(H)U0805ANTN.CPA2145K

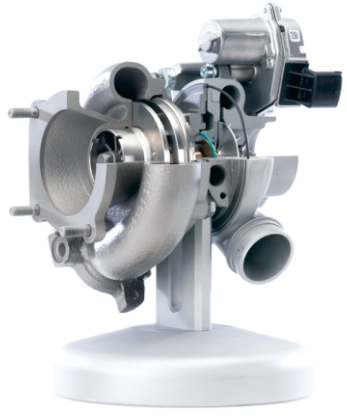
工件材质		PVD Coating CP2640T CP2645T	PVD Coating CPA2140K CPA2145K	PVD Coating CP1120H CPA1140GH	加工参数 parameters Vc (mm/min)
P	钢件加工 Steel	✱	✱	✱	120-160-250
P	模具钢P20,718,SKD11,S136H	✱	✱	✱	100-130-160
P	淬火钢加工 HRC40-63 Steel	✲		✱	50-80-120
M	不锈钢 Stanless steel	✱	✱	✱	60-110-150
K	铸铁 Cast iron		✱	✱	150-180-220
S	钛合金 Titanium alloy	✱	✱	✱	40-60-80
S	耐热合金 Heat-resisting steel		✱	✱	40-60-120

型号规格 Type	用途 purpose				Ap(mm)	f (mm/t)
XNMU0605SNR 强壮 strong	铸铁及钢件 Cast iron, Steel	✱	✱		0.1-3.5	0.1-0.30
XNHU0605ANR 锋利 sharp	不锈钢，高温合金 钛合金,低碳钢 Stanless steel Titanium alloy Heat-resisting steel Low-carbon steel	✱	✱	✱	0.1-3.5	0.05-0.22
XNHU0805ANTN 锋利 sharp		✱	✱	✱	0.1-4.5	0.05-0.25
XNMU0805ANTN		✱	✱			

XNHU0605与TAEGUTEC(特固克)通装
XNM(H)0605的刀尖圆角Re=0. 8，XNMU0805的刀尖圆角Re=1. 2

XNH(M)U06
XNH(M)U08 加工切削参数

XN06 Ap<3.5mm，XN08 Ap<4.5mm

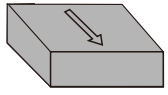


蜗壳整套方案加工

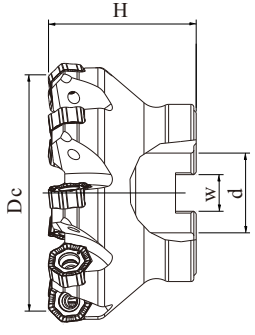


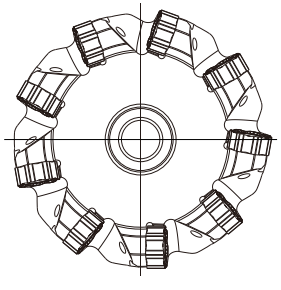
工件材料	材料硬度	材质选择	线速度Vc m/min	每齿进给量 fz mm/t
碳钢 S45C, S50C	~220HB	CP2640T CPA2140K	100-250	0.05-0.4
合金钢 20CrMoTi, 42CrMo	~200HB	CP2640T CPA2140K	100-200	0.05-0.4
五金模具钢 SKD61(H13)，SKD11	350HB	CP2640T CPA2140K	100-150	0.05-0.3
模具钢 P20, 718，738	HRC28-32	CP2640T CPA2140K	100-180	0.05-0.3
塑胶模具钢及不锈铁 S136H，NAK80， 4Cr13	HRC30-40	CP2640T CPA2140K	100-150	0.05-0.25
不锈钢 304，316	200HB	CP2640T CP2645T CPA2140K	100-150	0.05-0.3
镍基高温合金 718	HRC38-45	CP2645T CPA1140GH CPA2140K	60-120	0.05-0.2
钛合金 Ti-6Al-4V(Tc4)	HRC40	CP2645T CP1140GH	30-80	0.05-0.25
灰口铸铁 FC250，HT250	~200HB	CPA2140K	120-220	0.05-0.4
球墨铸铁 FCD400，QT300,400,500,600	~200HB	CPA2140K	120-200	0.05-0.4

XNM(H)U0605
XNMU0805 45°刀盘 Planar milling



平面加工





本刀体材料均采用SKD61材料，热处理后加工，刚性好，抗震性能强，精度高，跳动在0.03mm内。
Cutter Tool: SKD61 material, processed after heat treatment,good rigidity, strong seismic performance, high precision <0.03mm

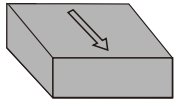
	型号 type	Ap	刃数 Z	样式	尺寸Size mm				冷却 cooling	螺钉	扳手	刀片型号
					Dc	d	H	W				
刀盘 Cutter head	50A05R-S45-XN06-W	3.5	5	1	50	22	40	10.4	●	MS45120	T15	XNMU0605 XNHU0605
	63A06R-S45-XN06-W	3.5	6	1	63	22	50	10.4	●			
	80A07R-S45-XN06-W	3.5	9	1	80	27	50	12.4	●			
	100A7R-S45-XN06-W	3.5	10	1	100	32	50	14.4	●			
	125A7R-S45-XN06-W	3.5	10	1	125	40	63	16.4	●			
	160A8R-S45-XN06-W	3.5	10	2	160	40	63	16.4	●			
	50A04R-S45-XN08	4.5	4	1	50	22	40	10.4		MS45120	T15	**XNMU0805 XNHU0805**
	63A05R-S45-XN08	4.5	5	1	63	22	50	10.4				
	80A07R-S45-XN08	4.5	7	1	80	27	50	12.4				
	100A08R-S45-XN08	4.5	8	1	100	32	50	14.4				
	125A09R-S45-XN08	4.5	9	1	125	40	63	16.4				
	160A09R-S45-XN08	4.5	9	2	160	40	63	16.4				
	160A12R-S45-XN08	4.5	12	2	160	60	63	16.4				
	200A14R-S45-XN08	4.5	14	2	200	60	63	25.7				
	250A16R-S45-XN08	4.5	16	2	250	60	63	25.7				
	315A18R-S45-XN08	4.5	18	2	315	60	80	25.7				

XNHU0605ANR用于精加工，XNMU0805ANR用于粗加工。

ONM(H)U05　双面铣削刀片

ONM(H)U05　milling insert

超高性能及性价比通用产品





特点：

经济通用性产品，耐磨性好，稳定性高，
覆盖切深<2.5mm，加工效率极高；
性能超越进口同类顶级产品。

被加工对象：

不锈钢，钛合金，高温合金，模具钢及球墨铸铁加工。

Feature:

Economic and universal products, good wear resistance,
high stability, Ap<2.5mm,
Performance exceed famous brand.

Application:

Stainless steel, Titanium alloy, Heat resisting alloy,
Die steel, Nodular cast iron.

刀尖圆角Re=1.0		PVD Coating			加工参数 parameters
		CP2640T	CP1120H	CPA2140K	Vc (mm/min)
工件材质	P 钢件加工 Steel	✱		✱	120-160-250
	P 模具钢P20,718,SKD11,S136H	✱		✱	100-130-160
	P 淬火钢加工 HRC40-63 Steel		●		50-80-120
	M 不锈钢 Stainless steel	✱	●	✱	60-110-150
	K 铸铁 Cast iron			✱	150-180-220
	S 钛合金 Titanium alloy	✱		✱	40-60-80
	S 耐热合金 Heat-resisting steel	✱	●	✱	40-60-120

型号规格 Type	用途 purpose				Ap(mm)	f (mm/t)
ONMU0504ANSN 强壮 strong	铸铁及钢件 Cast iron, Steel			✱	0.1-2.5	0.05-0.40
ONHU0504ANTN 锋利 sharp 带修光刃	不锈钢，高温合金 钛合金，低碳钢 Stainless steel Titanium alloy Heat-resisting steel	✱	●	✱	0.1-2.0	0.05-0.3

ONM(H)U0504ANTN和TAEGUTEC(特固克)通装，CP1120H专注于精加工 Focus on finishing。

ONM(H)0504 加工切削参数



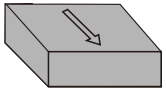
Ap max<2.5mm

工件材料	材料硬度	材质选择	线速度Vc m/min	每齿进给量 fz mm/t
碳钢 S45C, S50C	~220HB	CP2640T	100-250	0.05-0.4
合金钢 20CrMoTi, 42CrMo	~200HB	CP2640T	100-200	0.05-0.4
五金模具钢 SKD61(H13)，SKD11	350HB	CP2640T	100-150	0.05-0.2
模具钢 P20, 718，738	HRC28-32	CP2640T	100-180	0.05-0.4
塑胶模具钢及不锈铁 S136H，NAK80， 4Cr13	HRC30-40	CP2640T	100-150	0.05-0.25
不锈钢 304，316	200HB	CP2640T CP1120H	100-150	0.05-0.25
镍基高温合金 718	HRC38-45	CPA2140K CP1120H	60-120	0.05-0.2
钛合金 Ti-6Al-4V(Tc4)	HRC40	CP2640T CPA2140K	30-80	0.05-0.25
灰口铸铁 FC250，HT250	~200HB	CPA2140K	120-220	0.05-0.4
球墨铸铁 FCD400，QT300,400,500,600	~200HB	CPA2140K	120-200	0.05-0.35

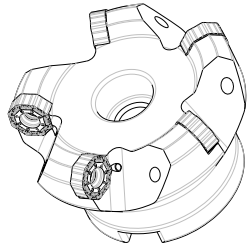
CP2430适合于干式或风冷切削. CP2430 Suitable For Dry Or Air-cooled Cutting

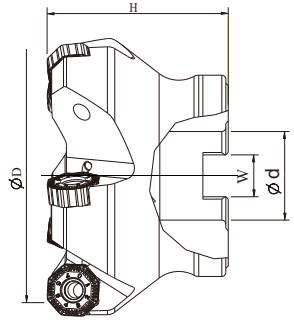
ONM(H)U0504 42° 刀盘

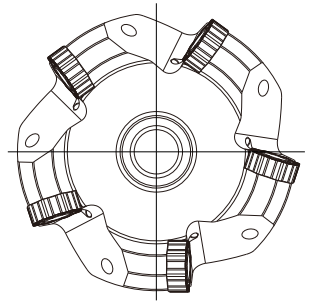
平面切削加工 Planar milling



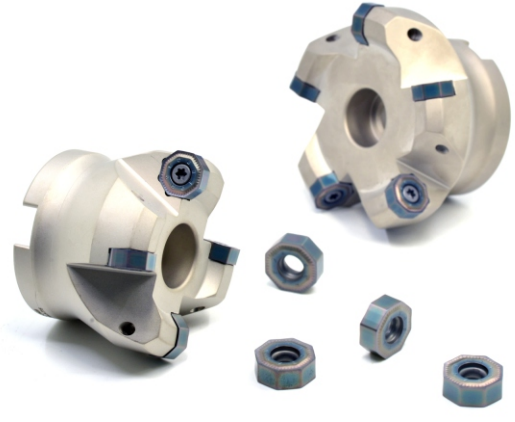
平面加工







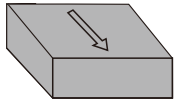
本刀体材料均采用SKD61材料，热处理后加工，刚性好，抗震性能强，精度高，跳动在0.03mm内。
Cutter Tool: SKD61 material, processed after heat treatment,good rigidity, strong seismic performance, high precision<0.03mm



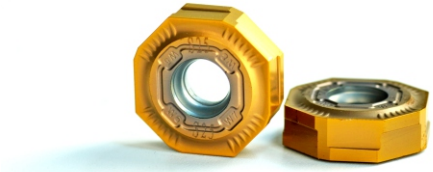
型号 type		Ap max	刃数 Z	样式	尺寸Size mm				冷却 cooling	螺钉	扳手	刀片型号
					Dc	d	H	W				
刀盘 Cutter head	40A04R-S42-ON05	2.5	4	1	40	16	40	8.4		MS40120	T15	ONMU0504 ONHU0504
	50A04R-S42-ON05	2.5	4	1	50	22	40	10.4				
	63A05R-S42-ON05	2.5	5	1	63	22	50	10.4				
	80A06R-S42-ON05	2.5	6	1	80	27	50	12.4				
	80A08R-S42-ON05-W	2.5	9	1	80	27	50	12.4	●			
	100A08R-S42-ON05	2.5	8	1	100	32	50	14.4				
	100A08R-S42-ON05-W	2.5	10	1	100	32	50	14.4	●			
	125A08R-S42-ON05-W	2.5	10	2	125	40	63	16.4	●			
	160A10R-S42-ON05-W	2.5	10	2	160	40	63	16.4	●			
	200A12R-S42ON05	2.5	12	2	200	60	63	25.7				
	250A14R-S42ON05	2.5	14	2	250	60	63	25.7				
	315A16R-S42ON05	2.5	16	2	315	60	80	25.7				

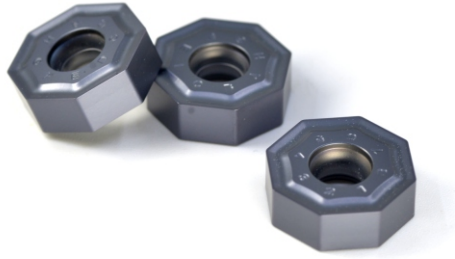
ONMU06 双面铣削刀片
H

ONMU06 milling insert



平面加工





高效铸铁平面
“粗精加工”一次完成
每转进给1.5—2.5mm
粗加工刀片装—半，精加工刀片装1片

Face Rough machining for cast iron
The rough finishing is finished at one time
Feed per revolution: 1.5-2.5mm
For one-time rough and fine machining, install half of the rough machining insert and one piece of the finish machining insert.

特点：
刃口强壮，耐磨性好，稳定性高，
切深Ap最大4.0mm，加工效率极高，粗糙度Ra0.8；
性能超越进口同类顶级产品。
被加工对象：
铸铁及钢件粗精加工首选，特别是汽车的铸铁缸体缸盖加工。

Feature:
Strong blade, good wear resistance,
high stability, Apmax4.0mm, Roughness Ra0.8,
Performance exceed famous brand.
Application:
Cast iron and steel Rough machining preferred.
Especially the cast iron cylinder block
Cylinder head processing.

-W 修光刃刀片
双面使用8个角

刀片尖角为Re=0.8

工件材质		材质 CP5130	CP1130H	CC1130A	加工参数 parameters Vc (mm/min)
P	钢件加工 Steel	✱	✱		120-160-250
P	模具钢P20,718,SKD11,S136H	✱	✱		100-130-160
P	淬火钢加工 HRC40-63 Steel				50-80-120
M	不锈钢 Stainless steel				60-110-150
K	铸铁 Cast iron	✱	✱	✱	150-180-220
S	钛合金 Titanium alloy				40-60-80
S	耐热合金 Heat-resisting steel				40-60-100

型号规格 Type	用途 purpose				Ap(mm)	f (mm/t)
ONMU0605ANSN 强壮 strong	铸铁及钢件 Cast iron, Steel	✱	✱	✱	0.1-3.8	0.1-0.50
ONHU0605ANR 锋利 sharp	不锈钢，高温合金 Stainless steel Heat-resisting steel	✱	✱			
ONHU0605ANR-W 锋利 sharp	精加工专用 Special for finishing		✱			

ONM(H)U0605加工切削参数（铸铁首选）



-W 修光刃刀片

双面使用8个角



Ap max<4.0mm

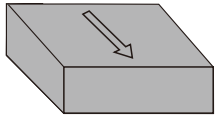
工件材料	材料硬度	材质选择	线速度Vc m/min	每转进给量 fz mm/rev
碳钢 S45C, S50C	~220HB	CP5130	100-250	1.0-1.5
合金钢 20CrMoTi, 42CrMo	~200HB	CP5130	100-200	1.0-1.5
塑胶模具钢及不锈铁 S136H，NAK80，4Cr13	HRC30-40	CP5130	100-150	1.0-1.5
模具钢 P20, 718，738	HRC28-32	CP5130	100-180	1.0-1.5
五金模具钢 SKD61(H13)，SKD11	350HB	CP5130	100-150	1.0-1.5
球墨铸铁 FCD400，QT300, 400, 500, 600	~200HB	CP5130 CC1130	120-200	1.5-2.0
灰口铸铁 FC250，HT250	~200HB	CP5130 CC1130	120-220	1.5-2.5

粗精一次加工,粗加工刀片装一半，精加工刀片装1片。

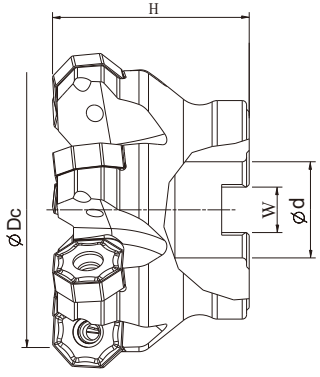
For one-time rough and fine machining, install half of the rough machining insert and one piece of the finish machining insert.

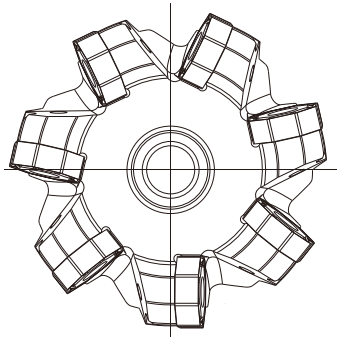
ONM(H)U0605 44°刀盘 平面切削加工

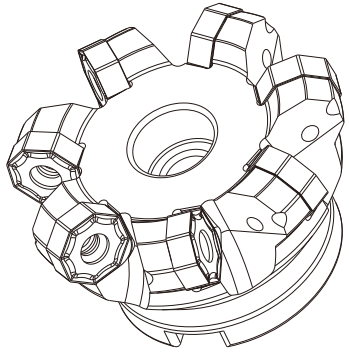
用于ONM(H)U0605 刀片



平面加工







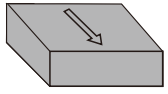
本刀体材料均采用SKD61材料，热处理后加工，刚性好，抗震性能强，精度高，跳动在0.03mm内。
Cutter Tool: SKD61 material, processed after heat treatment, good rigidity, strong seismic performance, high precision <0.03mm

	型号 type	Ap max	刃数 Z	样式	尺寸Size mm				冷却 cooling	螺钉	扳手	刀片型号
					Dc	d	H	W				
刀盘 Cutter head	50A04R-S44W-ON06	3.8	4	1	50	22	40	10.4		MS45120	T20	ONMU0605 + ONHU0605
	63A05R-S44W-ON06	3.8	4	1	63	22	50	10.4				
	80A06R-S44W-ON06	3.8	6	1	80	27	50	12.4				
	100A09R-S44W-ON06	3.8	8	1	100	32	50	14.4				
	125A11R-S44W-ON06	3.8	10	2	125	40	63	16.4				
	160A12R-S44W-ON06	3.8	12	2	160	40	63	16.4				
	200A14R-S44W-ON06	3.8	14	2	200	60	63	25.7				
	250A16R-S44W-ON06	3.8	16	2	250	60	63	25.7				
	315A18R-S44W-ON06	3.8	18	2	315	60	63	25.7				

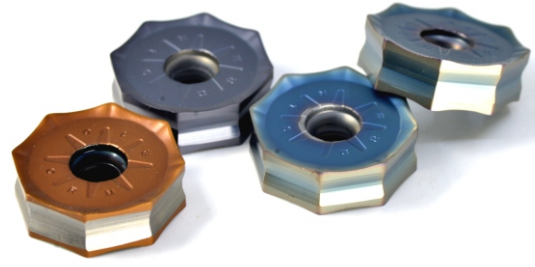
粗精一次加工,粗加工刀片装一半，精加工刀片装1片。
For one-time rough and fine machining, install half of the rough machining insert and one piece of the finish machining insert.

ONMU0905 双面铣削刀片

ONMU0905 milling insert



FACE MILLING



特点：

刃口锋利，切削轻快，耐磨性好，稳定性高，
覆盖切深Ap<5. 0mm，加工效率极高；
性能超越进口同类顶级产品。

被加工对象：

不锈钢，钛合金，高温合金，模具钢及球墨铸铁加工。

Feature:

Sharp edge, Light cutting，good wear resistance,
high stability, Ap<5.0mm,
Performance exceed famous brand.

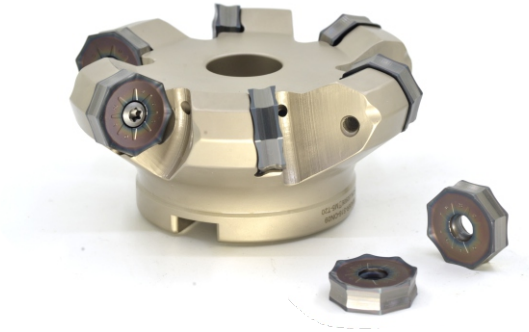
Application:

Stainless steel, Titanium alloy, Heat resisting alloy,
Die steel, Nodular cast iron.

刀尖圆角Re=1. 0		PVD Coating				加工参数 parameters
		CP2645T	CP2445	CP1120H	CPA2145K	Vc (mm/min)
工件材质	P 钢件加工 Steel	✱	✱		✱	120-160-250
	P 模具钢P20,718,SKD11,S136H	✱	✱		✱	100-130-160
	P 淬火钢加工 HRC40-63 Steel			●	✱	50-80-120
	M 不锈钢 Stainless steel	✱	✱	●	✱	60-110-150
	K 铸铁 Cast iron		✱	●	✱	150-180-220
	S 钛合金 Titanium alloy	✱			✱	40-60-80
	S 耐热合金 Heat-resisting steel			●	✱	40-60-100

型号规格 Type	用途 purpose					Ap(mm)	f (mm/t)
ONMU0905ANTN-M	铸铁及钢件 Cast iron, Steel 不锈钢，高温合金 Stainless steel Heat-resisting steel	✱	✱	●	✱	42° 刀盘 0.8-4.8mm	0.1-0.40
						16° 刀盘 0.3-0.7mm	0.5-1.0

ONMU0905 加工切削参数：

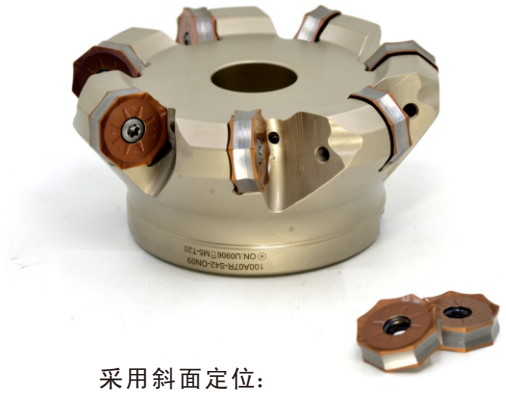


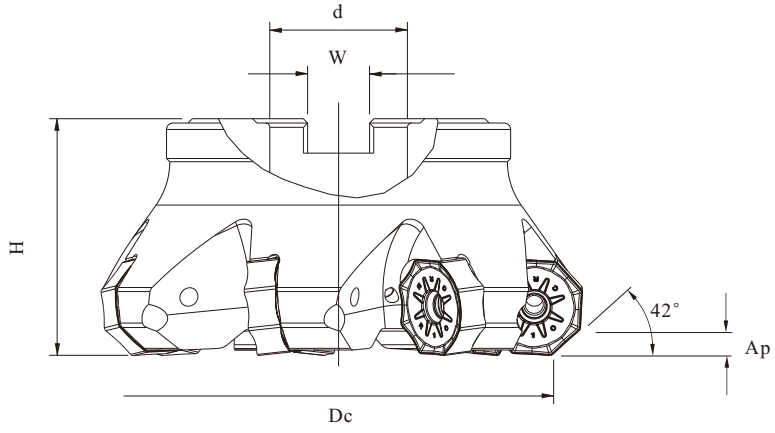
Ap max<5.0mm

工件材料	材料硬度	材质选择	线速度Vc m/min	每齿进给量 fz mm/ t	
				42° 刀盘	16° 刀盘
碳钢 S45C, S50C	~220HB	CP2645T CP2445	100-250	0.1-0.4	0.2-0.4
合金钢 20CrMoTi, 42CrMo	~200HB	CP2645T CP2430	100-200	0.1-0.4	0.2-0.4
五金模具钢 SKD61(H13)，SKD11	350HB	CP2645T CP2445	100-150	0.1-0.3	0.2-0.3
模具钢 P20, 718，738	HRC28-32	CP2645T CP2445	100-180	0.1-0.4	0.2-0.4
塑胶模具钢及不锈铁 S136H，NAK80， 4Cr13	HRC30-40	CP2645T CP2430	100-150	0.1-0.35	0.1-0.2
不锈钢 304，316	200HB	CP2645T CP1120H	100-150	0.07-0.3	0.2-0.3
镍基高温合金 718	HRC38-45	CP2645T CP1120H CPA2140K	60-120	0.07-0.3	0.1-0.2
灰口铸铁 FC250，HT250	~200HB	CP1120H CPA2145	120-220	0.1-0.4	0.2-0.4
球墨铸铁 FCD400，QT300,400,500,600	~200HB	CP1120H CPA2145	120-200	0.1-0.4	0.2-0.4

CP2430适合于干式或风冷切削. CP2430 Suitable For Dry Or Air-cooled Cutting

ONMU0905 42°刀盘　重切削加工
用于ONMU0905刀片





采用斜面定位：

1.提高定位的可靠性,提升刀片寿命30%;

2.提升刀盘的刀片跳动精度<0.03mm。

型号		Ap	刃数	样式	尺寸 mm				冷却 cooling	螺钉	扳手	刀片型号
					Dc	d	H	W				
刀盘	80A06R-S42-ON09-W	4.5	6	1	80	27	50	12.4	●	MS50120	T20	ONMU0905
	100A07R-S42-ON09-W	4.5	7	1	100	32	50	14.4	●			
	125A8R-S42-ON09-W	4.5	8	1	125	40	63	16.4	●			
	160A10R-S42-ON09-W	4.5	10	1	160	40	63	16.4	●			
	200A10R-S42-ON09-W	4.5	10	2	200	60	63	25.7	●			
	250A12R-S42-ON09-W	4.5	12	2	250	60	63	25.7	●			
	315A18R-S42-ON09-W	4.5	18	2	315	60	63	25.7	●			

SDMT09TXX 铣削刀片

SDMT09T3XX milling insert



特点：

刃口锋利，切削轻快，耐磨性好，
稳定性高，专用于背铣加工；
性能超越进口同类顶级产品。

被加工对象：

高温合金，不锈钢，钛合金，加工。

Feature:

Sharp edge, Light cutting，good wear resistance,
Specially used for back milling.
Performance exceed famous brand.

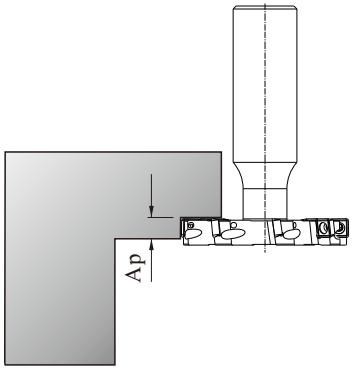
Application:

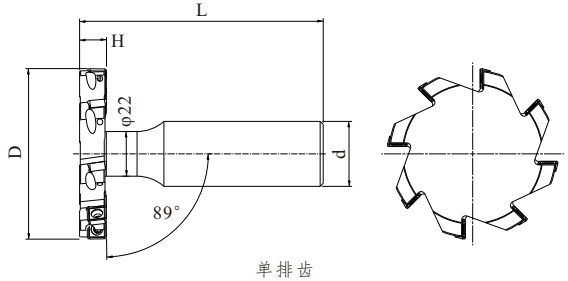
Stainless steel, Titanium alloy, Heat resisting alloy,
Die steel, Nodular cast iron.

		PVD Coating			
		CP2640T CP2645T	CPA1140H		加工参数 parameters Vc (mm/min)
工件材质	P 钢件加工 Steel	✱			120-160-250
	P 模具钢P20,718,SKD11,S136H	✱			100-130-160
	P 淬火钢加工 HRC40-63 Steel		C		50-80-120
	M 不锈钢 Stainless steel	✱	C		60-110-150
	K 铸铁 Cast iron	✱	C		150-180-220
	S 钛合金 Titanium alloy		C		40-60-80
	S 耐热合金 Heat-resisting steel	✱	C		40-60-100

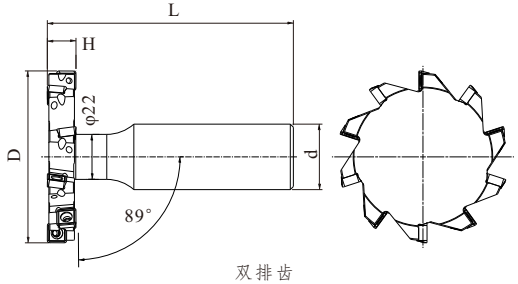
型号规格 Type	用途 purpose				Ap(mm)	f (mm/t)
SDMT09T308-CM	铸铁及钢件 Cast iron, Steel 不锈钢，高温合金 Stainless steel Heat-resisting steel	✱	C		5-7mm	0.05-0.10
SDMT09T311-CM						
SDMT09T315-CM						
SDMT09T320-CM						

背铣刀盘
Back milling cutter

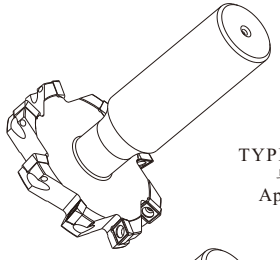




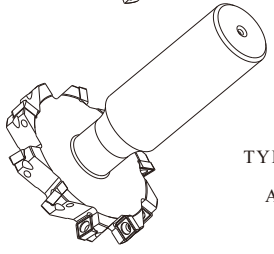
单排齿
Ap<7.0mm



双排齿
Ap<10mm



TYPE1: BMCD
单排齿
Ap<7.0mm



TYPE2: BMCS
双排齿
Ap<10mm

本刀体材料均采用SKD61材料，热处理后加工，刚性好，抗震性能强，精度高,跳动在0.03mm内。
Cutter Tool: SKD61 material, processed after heat treatment,good rigidity, strong seismic performance, high precision <0.03mm

型号		刃数	样式	尺寸 mm				内冷	螺钉	扳手	刀片型号
				D	d	H	L				
刀盘	BMCD84X14-S32-SD09-8T	8	1	84	32	14	120		MS3580	T20	SDMT09T308 SDMT09T311 SDMT09T315 SDMT09T320
	BMCD100X14-S32-SD09-8T	8	1	100	32	14	120				
	BMCD125X14-S32-SD09-8T	8	1	125	32	14	120				
	BMCS84X14-S32-SD09-10T	10	2	84	32	14	120				
	BMCS100X14-S32-SD09-10T	10	2	100	32	14	120				
	BMCS125X14-S32-SD09-10T	10	2	125	32	14	120				

P3204 型精加工球头铣刀片

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。

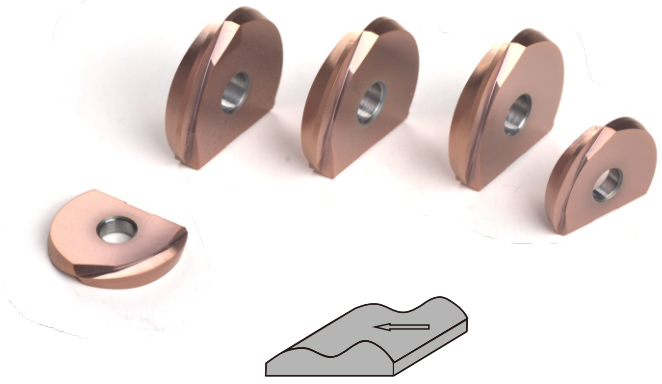
2. 加工对象及范围：

CP2630T：广泛地用于模具钢半精及精加工，从软钢到热处理淬火钢一款完成,加工硬度达到HRC<50，VC=50-220m/min;且兼容加工不锈铁和高温合金加工，抗冲击能力极强；

通用材质

CP1125H：用于模具钢精加工，加工硬度达到HRC50~62，VC=20-120m/min，耐磨性极强。

3. 同欧洲WALTER同款通装。



仿形加工

●：连续加工 ◐：不规则形状加工 ✤：断续加工　　●：首选；○　可选

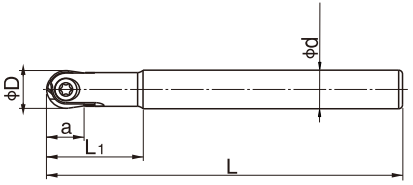
工件材质					
P	模具钢 HRC<50	✤	✤		
P	模具钢 HRC50-63	✤			
S	不锈钢，钛合金，可伐合金	✤	✤		
N	有色金属				✤
S	耐热合金	✤	✤		
K	铸铁		✤		
型号规格		PVD涂层		金属陶瓷	硬质合金
		CP1125H	CP2630T	CT20	CW20
精加工球头铣刀					
P3204-D10		●	●		○
P3204-D12		●	●		○
P3204-D16		●	●		○
P3204-D20		●	●		○
P3204-D25		●	●		○
P3204-D30		●	●		○
P3204-D32		●	●		○

同WALTER同款。

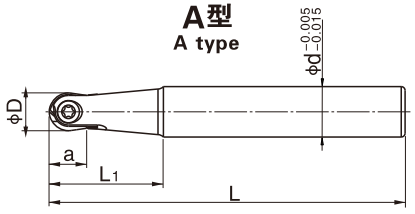
★ T2139 型精加工球头铣刀杆

本刀体材料均采用SKD61材料，热处理后加工，刚性好，抗震性能强，精度高，跳动在0.03mm内。
Cutter Tool: SKD61 material, processed after heat treatment,good rigidity, strong seismic performance, high precision <0.03mm

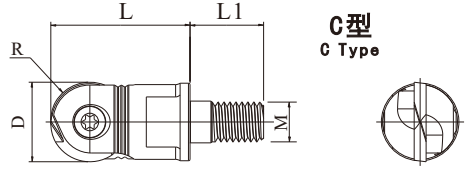




A型
A type



B型
B type



C型
C Type

	型号 MODEL NO.		尺寸 mm D	d M	L	L1	螺钉	扳手	刀片型号
刀杆	T2139-R5-C10-130L	A	10	10	130	40	A40090-5R	T15	P320X-D10
	T2139-R5-C12-130L	B	10	12	130	50			
	T2139-R5-C12-160L	B	10	12	160	40			
	T2139-R6-C12-130L	A	12	12	130	40	A50090-6R	T20	P320X-D12
	T2139-R6-C16-160L	B	12	16	160	65			
	T2139-R8-C16-130L	A	16	16	130	60	A50130-8R	T20	P320X-D16
	T2139-R8-C16-160L	A	16	16	160	60			
	T2139-R8-C20-200L	B	16	20	200	80			
	T2139-R10-C20-160L	A	20	20	160	60	A50160-10R	T20	P320X-D20
	T2139-R10-C20-200L	A	20	20	200	80			
	T2139-R10-C25-250L	B	20	25	250	100			
	T2139-R12.5-C24-180L	A	25	25	180	65	A60210-12.5R	T30	P320X-D25
	T2139-R12.5-C32-200L	B	25	32	200	80			
	T2139-R12.5-C32-250L	B	25	32	250	100			
	T2139-R15-C32-200L	B	30	32	200	80	A80250-15R	T30	P320X-D30
	T2139-R15-C32-250L	B	30	32	250	100			
	T2139-R16-C32-200L	A	32	32	200	80	A80250-16R	T30	P320X-D32
	T2139-R16-C32-250L	A	32	32	250	100			
	T2139-R16-C42-300L	B	32	42	300	150			
	T2139-R16-C42-350L	B	32	42	350	200			
锁牙头	T2139-5R-M5	C	10	M5	21	11	A40090-5R	T15	P320X-D10
	T2139-6R-M6	C	12	M6	23	12.5	A50090-6R	T20	P320X-D12
	T2139-8R-M8	C	16	M8	28	16.5	A50130-8R	T20	P320X-D16
	T2139-10R-M10	C	20	M10	35	18.5	A50160-10R	T20	P320X-D20
	T2139-12.5R-M12	C	25	M12	43	22.5	A60210-12.5R	T30	P320X-D25
	T2139-15R-M16	C	30	M16	50	25	A80250-15R	T30	P320X-D30
	T2139-16R-M16	C	32	M16	52	25	A80250-16R	T30	P320X-D32

SEK(E)T 四方铣削刀片

SEK(E)T milling insert

特点：

加工光洁度高，耐磨性好，稳定性高；

性能超越进口同类顶级产品。

被加工对象：

不锈钢，高温合金，模具钢，铝合金加工。

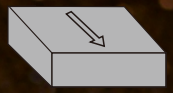
Feature:

Machined surface finish, perfect abrasive resistance,

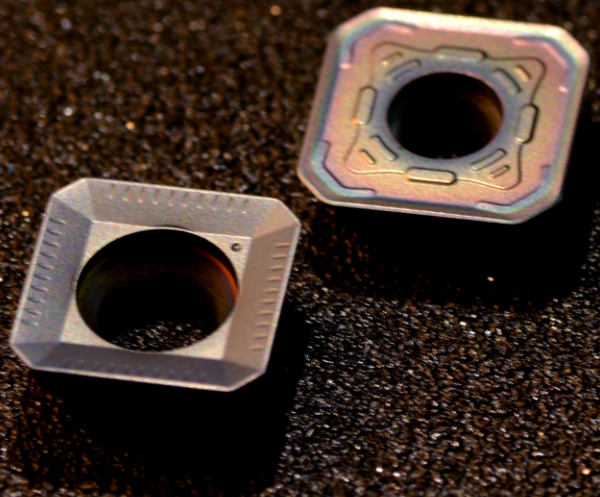
high stability and efficiency. Performance exceed famous brand.

Application:

Stainless steel, Heat resisting alloy, Die steel, Aluminium alloy.



平面加工



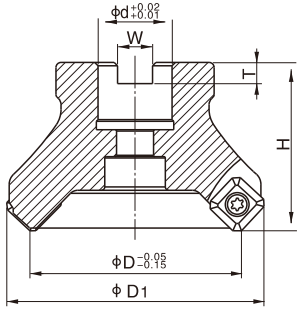
		PVD			
		CP2630T	CP2430	CW20	加工参数 parameters Vc (mm/min)
工件材质	P 钢件加工 Steel	●	●		120-160-250
	P 模具钢P20,718,SKD11,S136H	●	●		100-130-160
	P 淬火钢加工 HRC50-55 Steel				50-80-120
	M 不锈钢 Stanless steel	●	●		60-110-150
	N 铝合金 Aluminium alloy			●	150-180-220
	S 钛合金 Titanium alloy	●	●		40-60-80
	S 耐热合金 Heat-resisting steel	●	●		40-60-100

型号规格 Type	用途 purpose				Ap (mm)	f (mm/t)
SEET12T3-CM	不锈钢，高温合金 钛合金，低碳钢 Stanless steel, steel Titanium alloy Heat-resisting steel	●	●		0.1-4.0	0.05-0.2
SEKT1204AFEN-11		●	●			
SEHT1204AFFN				●		

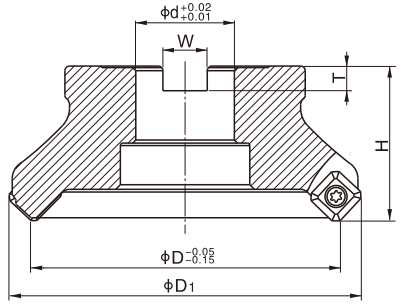
CP2430适合于干式或风冷切削. CP2430 Suitable For Dry Or Air-cooled Cutting

KM12 45° 壳形面铣刀





A型
A type



B型
B type

MODEL NO.	刃数	样式	尺寸 mm					螺钉	扳手	压板	刀片型号
			D	D1	d	H	W				
KM12-50-22-4T	4	A	50	64	22	50	10.4	MS5087	T20		SE□T1204□□
KM12-63-22-5T	5	A	63	77	22	50	10.4				
KM12-80-27-6T	6	A	80	94	27	50	12.4				
KM12-100-32-7T	7	B	100	114	32	50	14.4				
KM12-125-40-8T	8	C	125	139	40	63	16.4				
KM12-160-40-10T	10	C	160	174	40	63	16.4				
KM12-200-60-12T	12	C	200	214	60	63	25.7				
KM12-250-60-12T	12	C	250	264	60	63	25.7				
KM12T3-50-22-4T	4	A	50	64	22	50	10.4	MS4080	T15		SEET12T3-CM
KM12T3-63-22-5T	5	A	63	77	22	50	10.4				
KM12T3-80-27-6T	6	A	80	94	27	50	12.4				
KM12T3-100-32-7T	7	B	100	114	32	50	14.4				
KM12T3-125-40-8T	8	C	125	139	40	63	16.4				
KM12T3-160-40-10T	10	C	160	174	40	63	16.4				

RP(M)KT　铣削圆刀片

RPM(K)T milling insert



特点：

刃口强度高，耐磨性好，稳定性高，通用性强；
性能超越进口同类顶级产品。

被加工对象：

-GH：不锈钢，钛合金，高温合金，低碳合金钢加工。
-ST： 钢件及铸铁加工。

Feature:

Strong edge, perfect abrasive resistance, high stability, wide cutting scope.
Performance exceed famous brand.

Application:

-GH: Stainless steel, Titanium alloy,
Heat resisting alloy, Low-carbon steel.
-ST: Steel, cast iron.

工件材质		PVD			加工参数 parameters
		CP2630T CP2640T	CP1120H	CP2430	Vc (mm/min)
P	钢件加工 Steel	✱		✱	120-160-250
P	模具钢P20,718,SKD11,S136H	✱		✱	100-130-160
P	淬火钢加工 HRC40-63 Steel		●		50-80-120
M	不锈钢 Stanless steel	✱	●	✱	60-110-150
K	铸铁 Cast iron	✱	●	✱	150-180-220
S	钛合金 Titanium alloy	✱		✱	40-60-80
S	耐热合金 Heat-resisting steel	✱	●		40-60-100

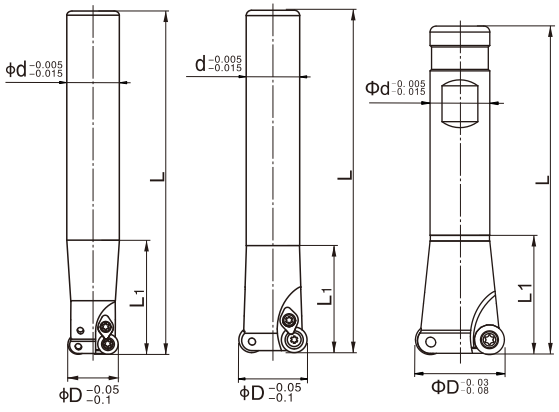
型号规格	用途				Ap(mm)	f(mm/t)
RPKT0802MO-GH	不锈钢 高温合金 钛合金 A3低碳钢	✱	●	●	0.15-0.30	0.25-0.4
RPKT08T2MO-GH		✱	●	●	0.15-0.30	0.25-0.4
RPKT1003MO-GH		✱	●	●	0.30-0.50	0.3-0.6
RPKT1204MO-GH		✱	●	●	0.30-0.50	0.3-0.6
RPKT10T3MO-JS	不锈钢 软钢 淬火钢 HRC50-63	✱	●	●	0.20-0.30	0.2-0.3
RPKT1204MO-JS		✱	●	●	0.20-0.30	0.2-0.3
RPMW1003MO-ST7		✱	●	●	0.20-0.30	0.2-0.3
RDMW1003MO-ST14	HRC<50 模具钢 S50C P20 718,738H 铸铁	✱		✱	0.30-0.50	0.3-0.6
RDMW10T3MO-ST14		✱		✱	0.30-0.50	0.3-0.6
RPMT1003MO-ST14		✱		✱	0.40-0.80	0.5-1.0
RPMT1204MO-ST14		✱		✱	0.30-0.50	0.3-0.6
RDMW1204MO-ST14		✱		✱	0.40-0.80	0.5-1.0
RDMW1604MO-ST14		✱		✱	0.60-1.20	0.8-1.5
RDMW1605MO-ST14		✱		✱	0.60-1.20	0.8-1.5

CP2430适合于干式或风冷切削.
CP2430 suitable for dry or air-cooled cutting



★ EMR 型圆鼻立铣刀



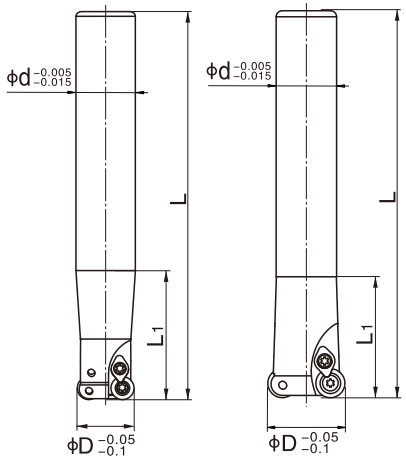


A型 A type　　**B型** B type　　**C型** C type

型号 MODEL NO.	刃数	样式	尺寸 mm					螺钉	扳手	压板	刀片型号
			D	d	L	L1	L2				
EMR-4Rx12x120	1	A	12	12	120	40	-	MS3070	T10F T10	–	RP□□0802
EMR-4Rx13x120-C12	1	B	13	12	120	40	-				
EMR-4Rx16x120	2	A	16	16	120	40	-	MS3070	T10F T10	A-4R	
EMR-4Rx16x160	2	A	16	16	160	40	-				
EMR-4Rx17x160-C16	2	B	17	16	160	40	-				
EMR-4Rx20x120	2	A	20	20	120	40	-				
EMR-4Rx20x160	2	A	20	20	160	50	-				
EMR-4Rx21x160-C20	2	B	21	20	160	50	-				
EMR-5Rx20x120	2	A	20	20	120	50	-	MS4090 MS35100	T15F T15	A-5R	RP□□1003
EMR-5Rx20x160	2	A	20	20	160	50	-				
EMR-5Rx21x160-C20	2	B	21	20	160	50	-				
EMR-5Rx25x120	2	A	25	25	120	50	-				
EMR-5Rx25x160	2	A	25	25	160	50	-				
EMR-5Rx25x200	2	A	25	25	200	75	-				
EMR-5Rx30x110-C20	2	C	30	20	110	40	-				
EMR-5Rx30x160-C25	2	B	30	25	160	50	-				
EMR-5Rx30x200-C25	2	B	30	25	200	50	-				
EMR-5Rx32x160	2	A	32	32	160	50	-				
EMR-5Rx32x200	2	A	32	32	200	60	-				
EMR-5Rx32x250	2	A	32	32	250	60	-				
EMR-5Rx35x160-C32	3	B	35	32	160	50	-				
EMR-5Rx35x200-C32	3	B	35	32	200	50	-				
EMR-5Rx35x250-C32	3	B	35	32	250	60	-				
EMR-5Rx40x160-C32	4	B	40	32	160	50	-				
EMR-5Rx40x200-C32	4	B	40	32	200	50	-				
EMR-5Rx40x250-C32	4	B	40	32	250	60	-				

EMRW型圆鼻立铣刀





A型
A type

B型
B type

型号 MODEL NO.	刃数	样式	尺寸 mm					螺钉	扳手	压板	刀片型号
			D	d	L	L1	L2				
EMRW-6Rx25x160	2	A	25	25	160	50	-	MS40100 MS40100	T15F T15	A-6R	RP□□1204
EMRW-6Rx32x160	2	A	32	32	160	50	-				
EMRW-6Rx32x200	2	A	32	32	200	60	-				
EMRW-6Rx32x250	2	A	32	32	250	60	-				
EMRW-6Rx35x160-C32	3	B	35	32	160	50	-				
EMRW-6Rx35x200-C32	3	B	35	32	200	60	-				
EMRW-6Rx35x250-C32	3	B	35	32	250	60	-				
EMRW-6Rx35x300-C32	3	B	35	32	300	60	-				
EMRW-6Rx40x160-C32	3	B	40	32	160	60	-				
EMRW-6Rx40x200-C32	3	B	40	32	200	60	-				
EMRW-6Rx40x250-C32	3	B	40	32	250	60	-				
EMRW-6Rx40x300-C32	3	B	40	32	300	60	-				

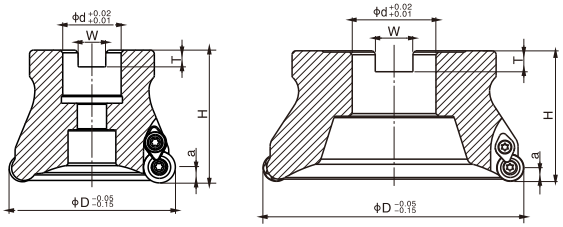
★ EMRF 型圆鼻立铣刀(不锈钢及高温合金叶片加工专用)

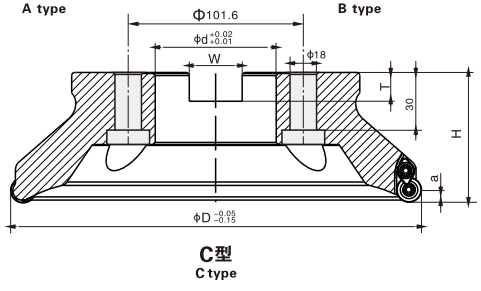
型号 MODEL NO.	刃数	样式	尺寸 mm					螺钉	扳手	压板	刀片型号
			D	d	L	L1	L2				
EMRF-5Rx25x160	2	A	25	25	160	60	-	MS4090 MS35100	T15F T15	A-5R	RPHT10T3MO-SF
EMRF-5Rx32x160	2	A	32	32	160	60	-				
EMRF-5Rx35x160-C32	3	B	35	32	160	60	-				
EMRF-5Rx35x200-C32	3	B	35	32	200	60	-				
EMRF-6Rx35x160-C32	3	B	40	32	160	60	-	MS40100 MS40100	T15F T15	A-6R	RPHT1204MO-SF
EMRF-6Rx35x200-C32	3	B	40	32	200	60	-				
EMRF-6Rx40x160-C32	3	B	40	32	250	60	-				
EMRF-6Rx40x200-C32	3	B	40	32	300	60	-				

★ EMR,EPRW 型圆鼻壳形面铣刀

EMRF 型(不锈钢及高温合金叶片加工专用)



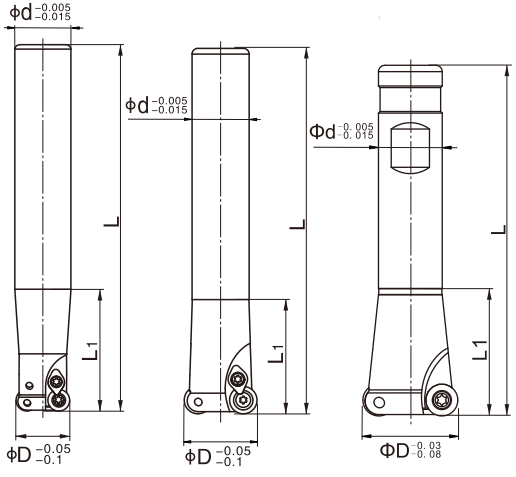




MODEL NO.	刃数	样式	尺寸 mm					螺钉	扳手	压板	刀片型号
			D	d	H	W	T				
EMR-4R-40-16	4	A	40	16	42	8.4	6.3	MS3070	T10F T10	A-4R	RP□□0802
EMR-4R-50-22	5	A	50	22	42	10.4	6.3				
EMR-5R-50-22	4	A	50	22	50	10.4	6.3	MS4090 MS35100	T15F T15	A-5R	RP□□1003
EMR-5R-63-22	5	A	63	22	50	10.4	6.3				
EMR-5R-80-27	6	A	80	27	50	12.4	7				
EMR-5R-100-32	6	B	100	32	50	14.4	8				
EMR-5R-50-25.4	4	A	50	25.4	50	10	6				
EMR-5R-63-25.4	5	A	63	25.4	50	10	6				
EMR-5R-80-25.4	6	A	80	25.4	50	12	6				
EMRW-6R-50-22	4	A	50	22	50	10.4	6.3	MS40100 MS40100	T15F T15	A-6R	RP□□1204MO
EMRW-6R-63-22	5	A	63	22	50	10.4	6.3				
EMRW-6R-80-27	6	A	80	27	50	12.4	7				
EMRW-6R-100-32	6	B	100	32	50	14.4	8				
EMRW-6R-125-40	6	B	125	40	63	16.4	9				
EMRW-6R-160-40	8	B	160	40	63	16.4	9				
EMRW-6R-200-60	10	C	200	60	63	25.7	14				
EMRW-6R-50-25.4	4	A	50	25.4	50	10	6				
EMRW-6R-63-25.4	5	A	63	25.4	50	10	6				
EMRW-6R-80-25.4	6	A	80	25.4	50	12	6				
EMRF-6R-40-16	4	A	40	16	42	8.4	6.3	MS40100 MS40100	T15F T15	A-6R	RPHT1204MO-SS
EMRF-6R-50-22	4	A	50	22	50	10.4	6.3				
EMRF-6R-63-22	4	A	63	22	50	10.4	6.3				

★ TRS 型圆鼻立铣刀

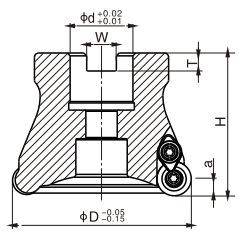




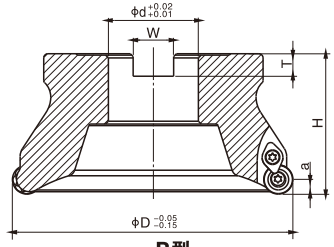
MODEL NO.	刃数	样式	尺寸 mm					螺钉	扳手	压板	刀片型号
			D	d	L	L1	L2				
TRS-5Rx20x120	2	A	20	20	120	50	-	MS4090 MS35100	T15F T15	A-5R	RD□□10T3
TRS-5Rx20x160	2	A	20	20	160	50	-				
TRS-5Rx21x160-C20	2	B	21	20	160	50	-				
TRS-5Rx25x120	2	A	25	25	120	50	-				
TRS-5Rx25x160	2	A	25	25	160	50	-				
TRS-5Rx25x200	2	A	25	25	200	75	-				
TRS-5Rx30x110-C20	2	C	30	20	110	60	-				
TRS-5Rx30x160-C25	2	B	30	25	160	60	-				
TRS-5Rx30x200-C25	2	B	30	25	200	60	-				
TRS-5Rx32x160	2	A	32	32	160	60	-				
TRS-5Rx32x200	2	A	32	32	200	75	-				
TRS-5Rx32x250	2	A	32	32	250	100	-				
TRS-5Rx35x160-C32	3	B	35	32	160	60	-				
TRS-5Rx35x200-C32	3	B	35	32	200	60	-				
TRS-5Rx35x250-C32	3	B	35	32	250	60	-				
TRS-5Rx40x160-C32	4	B	40	32	160	60	-				
TRS-5Rx40x200-C32	4	B	40	32	200	60	-				
TRS-5Rx40x250-C32	4	B	40	32	250	60	-				
TRS-6Rx32x160	2	A	32	32	160	60	-	MS40100 MS40100	T15F T15	A-6R	RDMW1204MO
TRS-6Rx32x200	2	A	32	32	200	60	-				
TRS-6Rx32x250	2	A	32	32	250	60	-				
TRS-6Rx35x160-C32	3	B	35	32	160	60	-				
TRS-6Rx35x200-C32	3	B	35	32	200	60	-				
TRS-6Rx35x250-C32	3	B	35	32	250	60	-				
TRS-6Rx40x160-C32	3	B	40	32	160	60	-				
TRS-6Rx40x200-C32	3	B	40	32	200	60	-				
TRS-6Rx40x250-C32	3	B	40	32	250	60	-				

★ TRS 型圆鼻壳形面铣刀

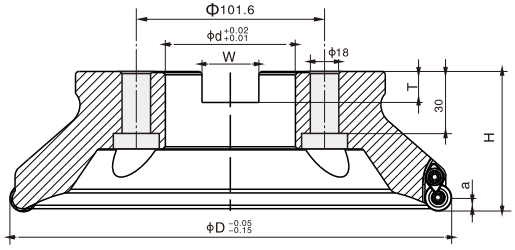




A型
A type



B型
B type



C型
C type

MODEL NO.	刃数	样式	尺寸 mm					螺钉	扳手	压板	刀片型号
			D	d	H	W	T				
TRS-5R-50-22	4	A	50	22	50	10.4	6.3	MS4090 MS35100	T15F T15	A-5R	RD□□10T3
TRS-5R-63-22	5	A	63	22	50	10.4	6.3				
TRS-5R-80-27	6	A	80	27	50	12.4	7				
TRS-5R-100-32	6	B	100	32	50	14.4	8				
TRS-5R-50-25.4	4	A	50	25.4	50	10	6				
TRS-5R-63-25.4	5	A	63	25.4	50	10	6				
TRS-5R-80-25.4	6	A	80	25.4	50	12	6				
TRS-6R-50-22	4	A	50	22	50	10.4	6.3	MS40100 MS40100	T15F T15	A-6R	RDMW1204MO
TRS-6R-63-22	5	A	63	22	50	10.4	6.3				
TRS-6R-80-27	6	A	80	27	50	12.4	7				
TRS-6R-100-32	6	B	100	32	50	14.4	8				
TRS-6R-125-40	6	B	125	40	63	16.4	9				
TRS-6R-160-40	8	B	160	40	63	16.4	9				
TRS-6R-200-60	10	C	200	60	63	25.7	14				
TRS-6R-50-25.4	4	A	50	25.4	50	10	6				
TRS-6R-63-25.4	5	A	63	25.4	50	10	6				
TRS-6R-80-25.4	6	A	80	25.4	50	12	6				

APMT 铣削刀片

APMT milling insert



特点：

刃口强度高，耐磨性好，稳定性高，通用性强；
性能超越进口同类顶级产品。

被加工对象：

-M2：不锈钢，钛合金，高温合金，低碳合金钢加工。
-H2& PDTR：钢件及铸铁加工；
CP1120H： 专用于加工HRC40-63淬火钢。

Feature:

Strong edge, perfect abrasive resistance, high stability, wide cutting scope.
Performance exceed famous brand.

Application:

-M2: Stainless steel, Titanium alloy,
Heat resisting alloy, Low-carbon steel.
-SS&PDTR: Steel, Cast iron.



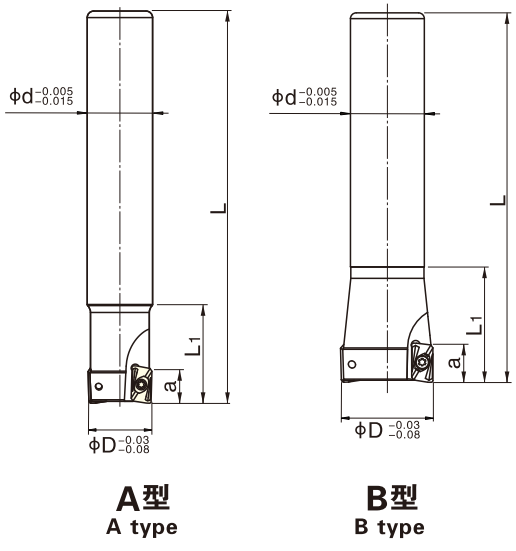
工件材质		PVD CP2630T	PVD CP1120H	PVD CP2430	加工参数 parameters Vc (mm/min)
P	钢件加工 Steel	✱		●	120-160-250
P	模具钢P20,718,SKD11,S136H	✱		●	100-130-160
P	淬火钢加工 HRC40-63 Steel		●		50-80-120
M	不锈钢 Stanless steel	✱	●	●	60-110-150
K	铸铁 Cast iron	✱		✱	150-180-220
S	钛合金 Titanium alloy	✱		✱	40-60-80
S	耐热合金 Heat-resisting steel	✱	●	✱	40-60-100

型号规格	用途				Ap(mm)	f (mm/t)
APMT1135PDER-M2	不锈钢 高温合金 钛合金 淬火钢		●	●	0.25-0.35	0.25-0.4
APMT1604PDER-M2			●	●	0.3-0.6	0.3-0.6
APMT1135PDER-H2	模具钢 S50C,P20 718,738H 淬火钢 铸铁	✱	●	✱	0.20-0. 35	0.25-0.4
APMT1604PDER-H2		✱	●	✱	0.30-0.60	0.3-0.6
APMT1135PDTR		✱		✱	0.20-0.35	0.3-0.5
APMT1605PDTR		✱		✱	0.40-0.70	0.5-0.8

CP2430适合于干式或风冷切削.
CP2430 suitable for dry or air-cooled cutting

★ BAP 直角台肩立铣刀



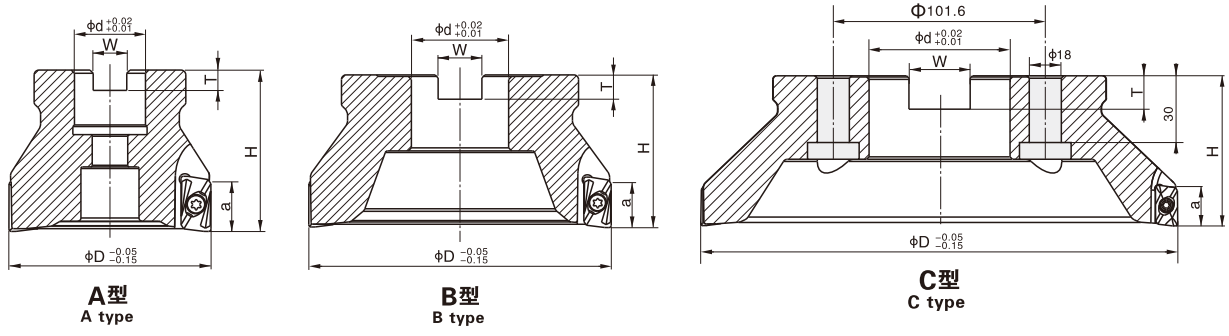


A型
A type

B型
B type

MODEL NO.	刃数	样式	尺寸 mm					螺钉	扳手	压板	刀片型号
			D	d	L	L1	L2				
BAP300R-10X120	1	A	10	10	120	30	-	MS2550	T8F T8		AP□□1135
BAP300R-12X120	1	A	12	12	120	30	-				
BAP300R-13X120-C12	1	B	13	12	120	30	-				
BAP300R-16X120	2	A	16	16	120	40	-	MS2560	T8F T8		AP□□1135
BAP300R-16X160	2	A	16	16	160	40	-				
BAP300R-17X160-C16	2	B	17	16	160	40	-				
BAP300R-20X120	3	A	20	20	120	40	-				
BAP300R-20X160	3	A	20	20	160	50	-				
BAP300R-21X120-C20	3	A	21	20	120	40	-				
BAP300R-21X160-C20	3	A	21	20	160	50	-				
BAP300R-25X160	3	A	25	25	160	50	-				
BAP300R-25X200	3	A	25	25	200	75	-				
BAP300R-30X160-C25	3	B	30	25	160	50	-				
BAP300R-30X200-C25	3	B	30	25	200	75	-				
BAP400R-25X160	3	A	25	25	160	50	-	MS4090	T15F T15		AP□□1604
BAP400R-25X200	3	A	25	25	200	75	-				
BAP400R-26X160-C25	3	B	26	25	160	50	-				
BAP400R-26X200-C25	3	B	26	25	200	50	-				
BAP400R-32X160-C25	3	B	32	25	160	50	-				
BAP400R-32X200-C25	3	B	32	25	200	50	-				
BAP400R-32X160	3	A	32	32	160	50	-				
BAP400R-32X200	3	A	32	32	200	80	-				
BAP400R-32X250	3	A	32	32	250	80	-				
BAP400R-35X160-C32	3	B	35	32	160	50	-				
BAP400R-35X200-C32	3	B	35	32	200	50	-				
BAP400R-35X250-C32	3	B	35	32	250	60	-				
BAP400R-40X160-C32	4	B	40	32	160	50	-				
BAP400R-40X200-C32	4	B	40	32	200	50	-				

★ BAP 直角台肩壳形面铣刀



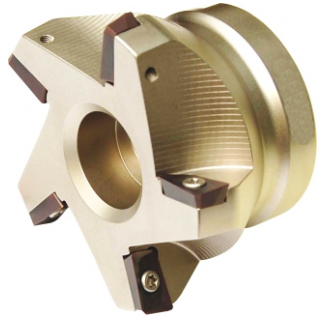


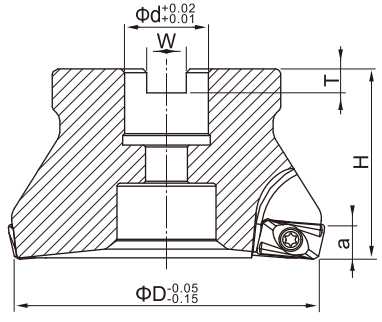
型号 MODEL NO.	刃数	样式	尺寸 mm					螺钉	扳手	压板	刀片型号
			D	d	H	W	T				
BAP300R-40-16	4	A	40	16	42	8.4	6.3	MS2560	T8F T8		APKT1135
BAP300R-50-22	4	A	50	22	50	10.4	6.3				
BAP400R-50-22	4	A	50	22	50	10.4	6.3	MS4090	T15F T15		APKT1604
BAP400R-63-22	5	A	63	22	50	10.4	6.3				
BAP400R-80-27	6	A	80	27	50	12.4	7				
BAP400R-100-32	6	B	100	32	50	14.4	8				
BAP400R-125-40	8	B	125	40	63	16.4	9				
BAP400R-160-40	9	B	160	40	63	16.4	9				
BAP400R-200-60	9	C	200	60	63	25.7	14				
BAP400R-50-25.4	4	A	50	25.4	50	10	6				
BAP400R-63-25.4	5	A	63	25.4	50	10	6				
BAP400R-80-25.4	6	A	80	25.4	50	12	6				

★ RAP 壳形面铣刀

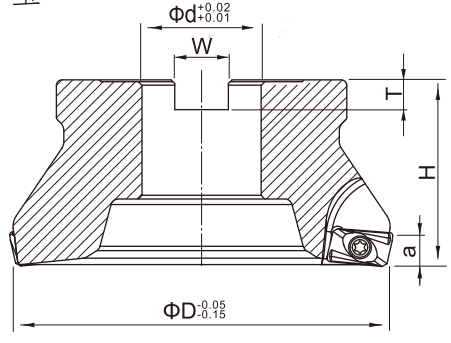
(使用APMT1604刀片另外两个角)

变废为宝





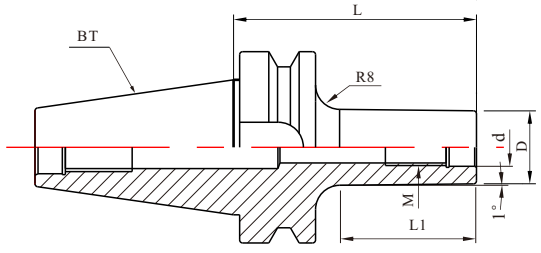
A型
A type



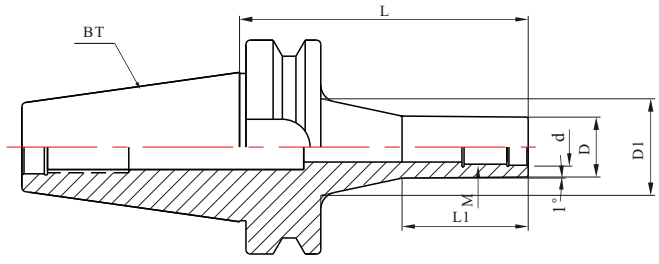
B型
B type

MODEL NO.	刃数	样式	尺寸 mm D	d	H	W	T	螺钉	扳手	压板	刀片型号
RAP400R-63-22	4	A	63	22	50	10.4	6.3	MS4090	T15F T15		AP□□1604
RAP400R-80-27	5	A	80	27	50	12.4	7				
RAP400R-100-32	6	B	100	32	50	14.4	8				
RAP400R-125-40	6	B	125	40	63	16.4	9				

锁牙头刀柄



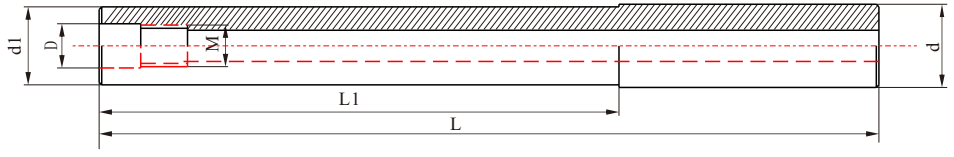
TYPE 1



TYPE 2

型号		锥柄	样式	尺寸 mm					
				D	d	D1	L	L1	M
直身	BT40-SOM12-45-80	BT40	1	23	12.5	33	80	45	M12x1.75
	BT40-SOM16-65-100			30	17	40	100	65	M16x2.0
	BT50-SOM12-34-70	BT50	1	23	12.5	33	70	34	M12x1.75
	BT50-SOM12-54-100			23	12.5	33	100	54	M12x1.75
	BT50-SOM16-59-105			30	17	40	105	59	M16X2.0
	BT50-SOM16-104-150			30	17	40	150	104	M16X2.0
锥度头	BT40-SOM8-15-75-A	BT40	2	14.7	8.5	25	75	15	M8X1.25
	BT40-SOM10-25-85-A			18.7	10.5	29	85	25	M10X1.5
	BT40-SOM12-30-90-A			23	12.5	33	90	30	M12X1.75
	BT40-SOM12-60-120-A			23	12.5	33	120	60	M12X1.75
	BT40-SOM16-40-100-A			30	17	40	100	40	M16X2.0
	BT40-SOM16-80-140-A			30	17	40	140	80	M16X2.0
	BT50-SOM8-15-90-A	BT50	2	14.7	8.5	25	90	15	M8X1.25
	BT50-SOM10-25-100-A			18.7	10.5	29	100	25	M10X1.5
	BT50-SOM12-30-105-A			23	12.5	33	105	30	M12X1.75
	BT50-SOM12-55-130-A			23	12.5	33	130	55	M12X1.75
	BT50-SOM16-40-115-A			30	17	40	115	40	M16X2.0
	BT50-SOM16-80-155-A			30	17	40	155	80	M16X2.0

H 型整体合金抗震刀杆

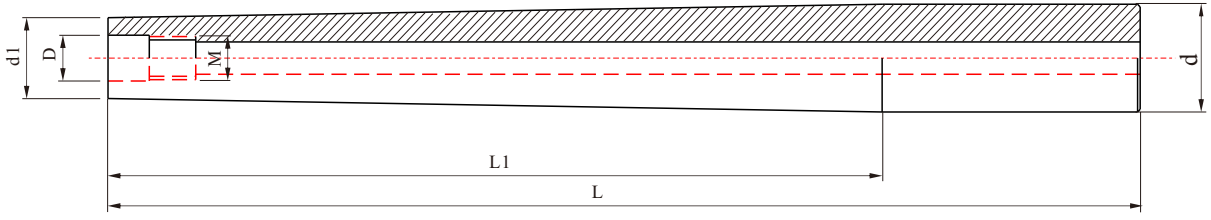


型号	尺寸 mm					
	d	L	L1	M	d1	D
HC8-100-M4	8	100	60	M4	7.5	4.5
HC10-100-M5	10	100	60	M5	9	5.5
HC10-120-M5	10	120	80	M5	9	5.5
HC10-100-M6	10	100	60	M6	9	6.5
HC10-120-M6	10	120	80	M6	9	6.5
HC12-100-M6	12	100	60	M6	11	6.5
HC12-150-M6	12	150	105	M6	11	6.5
HC12-175-M6	12	175	130	M6	11	6.5
HC16-100-M8	16	100	55	M8	15	8.5
HC16-150-M8	16	150	100	M8	15	8.5
HC16-200-M8	16	200	150	M8	15	8.5
HC20-100-M10	20	100	55	M10	19	10.5
HC20-150-M10	20	150	100	M10	19	10.5
HC20-200-M10	20	200	150	M10	19	10.5
HC20-250-M10	20	250	195	M10	19	10.5

型号	尺寸 mm					
	d	L	L1	M	d1	D
HC25-100-M12	25	100	60	M12	24	12.5
HC25-150-M12	25	150	100	M12	24	12.5
HC25-200-M12	25	200	150	M12	24	12.5
HC25-250-M12	25	250	195	M12	24	12.5
HC25-300-M12	25	300	240	M12	24	12.5
HC32-150-M16	32	150	100	M16	31	17
HC32-200-M16	32	200	150	M16	31	17
HC32-250-M16	32	250	195	M16	31	17
HC32-300-M16	32	300	240	M16	31	17
HC32-350-M16	32	350	290	M16	31	17
HC32-400-M16	32	400	340	M16	31	17

1.Cabirde material: K40
2.精度：<0.01mm High precision<0.01mm

V 型整体合金抗震刀杆



1.Cabirde material: K40
2.精度：<0.01mm High precision<0.01mm

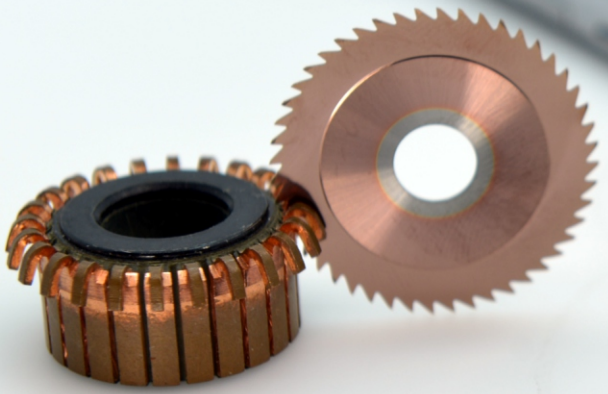
型号	尺寸 mm					
	d	L	L1	M	d1	D
VC10-120-M4	10	120	80	M4	7.5	4.5
VC12-150-M5	12	150	105	M5	9	5.5
VC12-175-M5	12	175	130	M5	9	5.5
VC16-150-M6	16	150	100	M6	11	6.5
VC16-200-M6	16	200	150	M6	11	6.5
VC20-200-M8	20	200	150	M8	15	8.5
VC20-250-M8	20	250	200	M8	15	8.5
VC25-200-M10	25	200	150	M10	19	10.5
VC25-250-M10	25	250	200	M10	19	10.5
VC25-300-M10	25	300	250	M10	19	10.5

型号	尺寸 mm					
	d	L	L1	M	d1	D
VC32-200-M12	32	200	150	M12	24	12.5
VC32-250-M12	32	250	200	M12	24	12.5
VC32-300-M12	32	300	250	M12	24	12.5
VC32-350-M12	32	350	300	M12	24	12.5
VC32-400-M12	32	400	340	M12	24	12.5
VC42-250-M16	42	250	200	M16	31	17
VC42-300-M16	42	300	250	M16	31	17
VC42-350-M16	42	350	300	M16	31	17
VC42-400-M16	42	400	340	M16	31	17
HC42-450-M16	42	450	390	M16	31	17
HC42-500-M16	42	500	440	M16	31	17

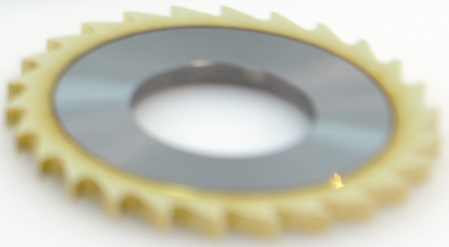
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专注于：

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