



科维洛伊

专注于加工：
Focus on processing

钛合金

Titanium alloy

高温合金

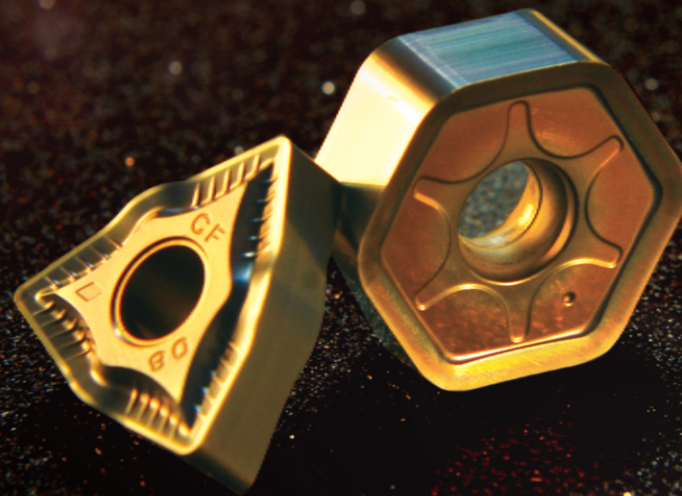
High temperature alloy

不锈钢

Stainless steel

难加工材料

Materials of difficult machinability



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，为客户量身定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 meticulousness 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，提高生产效率及产品质量，降低成本。

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.



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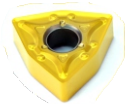
车削材质选用表 Material selection table for turning

涂层性质 Coating Feature	涂层牌号 Coating grade	颜色 Colour			用途 Purpose
PVD涂层 物理涂层 PVD Coating	KP4630T		M P	⊕	首选通用材质 ，不锈钢，高温合金，钛合金，钢件加工，适合强断续加工。 First choice, Stainless steel, Steel, high temperature alloy, Titanium alloy For Strong intermittent machining.
	KP1120		M P	⊕	易车铁，软钢 及不锈钢低速切削,常用于走心机加工。 Easy to machine steel, low-carbon steel&Stainless steel For Low speed cutting.
	KP4130		M	⊕	通用性极强 的不锈钢加工材质,适合于 中低速加工 (Vc<120m/min),连续及断续性能俱佳。 Stainless steel machining material with high versatility, It is suitable for medium and low speed machining VC < 150m / min, With excellent continuous and intermittent performance.
	KP4130H		M	⊖	耐磨性极强 的不锈钢加工材质,适合于 中高速加工 (Vc=100-180m/min),连续及轻微断续加工。 Stainless steel machining material with strong wear resistance, Suitable for medium and high speed machining (VC = 100-180m / min), Continuous and slightly intermittent machining.
	KP4430 KP4430G		M H	⊖	HRC45-55淬火钢 及不锈钢加工,钢件的低速加工(Vc<150m/min)。 Stainless steel and HRC45-63 Hardened Steel processing, Vc<150m/min Steel processing
	KP4430F		M S H	⊖	钛合金、高温合金精加工 、不锈钢加工,连续及轻微断续加工。 Stainless steel, high temperature alloy, Titanium alloy machining, Continuous and slightly intermittent processing.
	KP8130		M S	⊕	不锈钢及钢加工。 Stainless steel and steel processing.
	KP9030		M S	⊕	优异的槽刀片专用材质。 Grooving insert.
CVD涂层 化学涂层 CVD Coating	KC4135		M S	⊖	高温合金及不锈钢高速加工 ,适合于Vc=110-250m/min,连续及轻微断续加工。 High speed machining of stainless steel and high temperature alloy, Suitable for continuous and slightly intermittent machining with VC = 110-250m / min.
	KC1125		P	○	钢件的高速连续加工 , Vc=180-400m/min。 High speed continuous machining of steel parts, VC = 180-400m / min.
	KC1135		P	⊕	通用性极强的钢件加工 ,适合于Vc=150-320m/min,连续及断续性能俱佳。 It is suitable for steel machining with high versatility and VC = 150-320m / min, With excellent continuous and intermittent performance.
	KC3110		K	⊖	铸铁加工通用材质 。 Common material for cast iron processing.
	KC730 KC740G		P K	⊕	钢件及镍基铸铁强断续加工 。 Vermicular cast iron and steel are machining with strong discontinuity,

○ : 连续加工 Continuous processing ⊖ : 不规则形状加工 Irregular processing ⊕ : 断续加工 Intermittent processing

半精加工
Semi

双向不锈钢
00Cr18Ni5MoSi2
沉淀硬化不锈钢
0Cr17Ni4Nb
Vc=50-100m/min



13-14P



CMA.KP4630T



15P



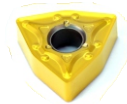
AU.CPA4630T



15P



CM.KP4630T



13-14P



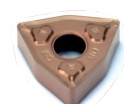
CMA.KP4630T



15P



CMA.CPA4130K



15P



CM.KC4135

奥氏体不锈钢
303,304,316
Vc=60-160m/min



13-14P



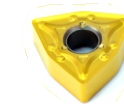
CM.KP4630T



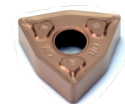
13-14P



AU.KP4630T



CMA.KP4630T



13-14P



CM.KC4135

Vc=150~220m/min
高速切削 High speed

精加工
Finishing

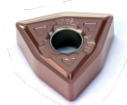
Vc=100-180m/min



12P



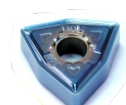
AU.KP4630T



12P



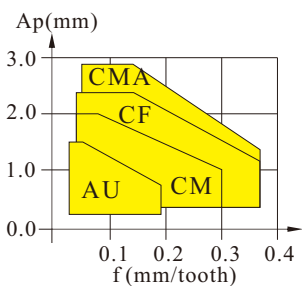
AU.KP4130H



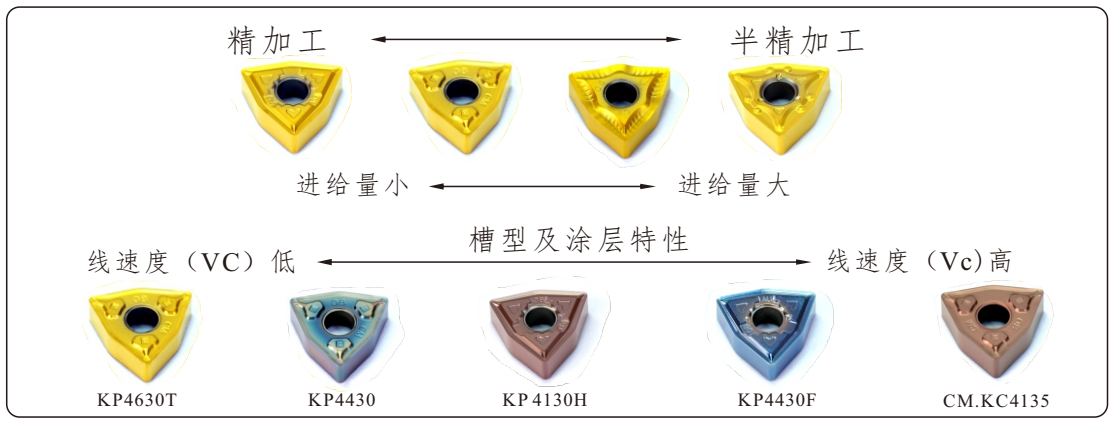
13-14P



AU.KP4430F

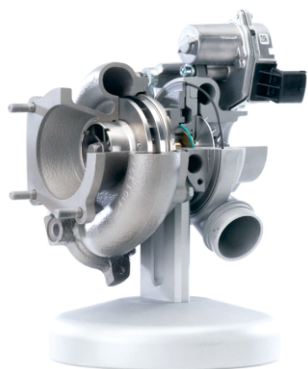


不锈钢
Stainless steel





科维洛伊



半精加工
Semi

钴基高温合金
Hayness188
Vc=30-50m/min



铁基高温合金
12Cr2MoWSiVTiB
Vc=50-100m/min

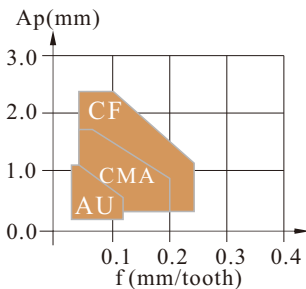
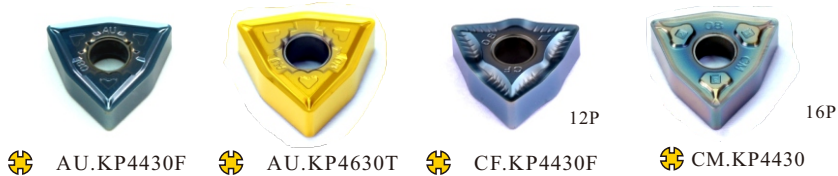


镍基高温合金
1.4848, 1.4837
Vc=50-80m/min



精加工
Finishing

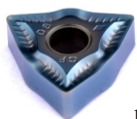
Vc=50-100m/min



高温合金
Heat-resisting steel

半精加工
Semi
精加工
Finishing

钛合金
TC4, TC18
Vc=50-80m/min



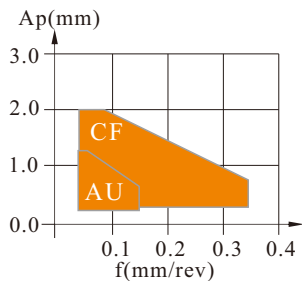
15P

CF.KP4430F



12P

CF.KP4630T



钛合金
Titanium alloy



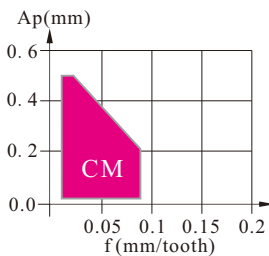
精加工
Finishing

HRC40-63
hardened steel
Vc=30-100m/min



16P

CM.KP4430

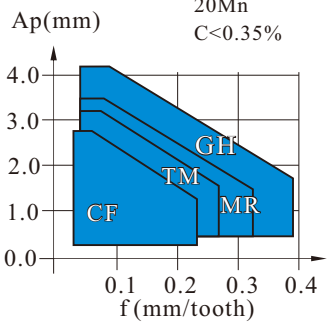


淬火钢
HRC40-63
hardened steel



科维洛伊

半精加工
粗加工
Semi Round



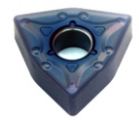
钢
Steel

精加工
Finishing

锻造及铸造
中高合金钢
40Cr, 42CrMo
GCr15 S50C
C>0.35%

低速 PVD涂层
Vc=60-150m/min

强断续加工
及连续加工



16P

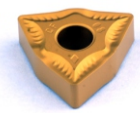
TM.KP4630T

中高速 CVD涂层
Vc=150-350m/min
Vc=150-220m/min

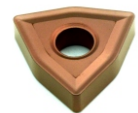
不规则加工
强断续加工



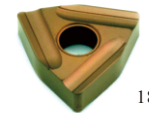
18P



16P



18P



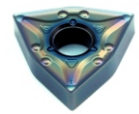
18P

TM.KC1135G MR.KC1135G, KC740G GH.KC740G R/L-ZC.KC740G

软钢,
低碳合金钢
A3,20CrMoTi
20Mn
C<0.35%

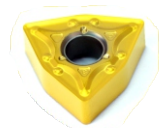
低速 PVD涂层
Vc=80-150m/min

断续加工



16P

CMA.KP4430

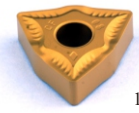


15P

CMA.4630T

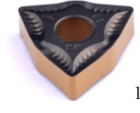
中高速 CVD涂层
Vc=150-180m/min
Vc=150-350m/min

断续加工
不规则加工



15P

CF.KC1035G



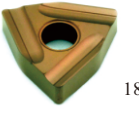
15P

CF.KC1135G



18P

GH.KC740G



18P

R/L-ZC.KC740G

高速 金属陶瓷
Cermet
Vc=150-300m/min

连续加工



17P

MT.CT20

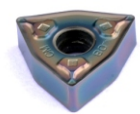


18P

R/L-ZC.CT20

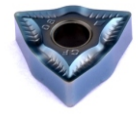
低速 PVD涂层
Vc=80-180m/min

强断续加工



16P

CM.KP4430



15P

CF.KP4430H

高速 CVD涂层
Vc=150-350m/min
高速 金属陶瓷 Cermet

不规则加工
连续加工



15P

CM.KC1125



15P

CQ.KC1235G

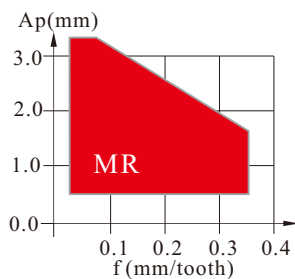


17P

MT.CT20

精加工
粗加工
Finishing
Round

球墨铸铁
VC=150-280m/min
灰口铸铁
VC=250-400m/min

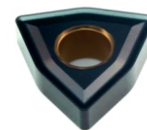


铸铁
Cast iron

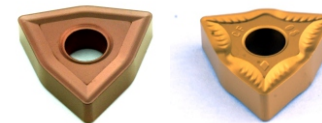


18P

MR.KC740G
球墨及蠕墨铸铁
Ductile cast iron
Vermicular cast iron



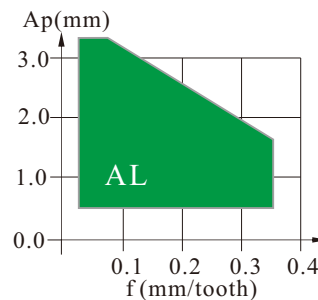
GH.KC3110
灰口及球磨铸铁
Gray&Ductile cast iron



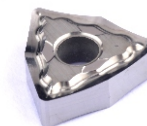
GH.740G MR.KC740G
镍基铸铁
Nickel base cast iron

精加工
粗加工
Finishing
Round

铝合金
VC=250-400m/min
红铜
VC=180-250m/min



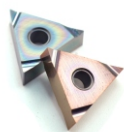
铝合金
Aluminium alloy



20P

AL.CW20

外圆加工



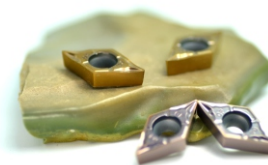
R/L-S
超精加工
Super finishing



R/L-Y
精加工
finishing



R/L-U
大切深,低进给加工
Large Cutting Depths
and Low feed

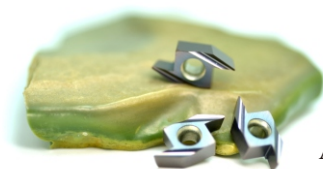


CF
精加工
finishing



CM
精及半精加工
finishing and semi-finishiing

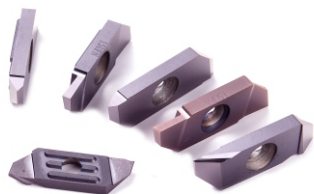
后阶段加工



ABS

KP1120: 低碳钢, 易车铁, 不锈钢, 钛合金的低速加工;
KP4130: 中碳钢及不锈钢中速加工;
KP4630T: 钢, 不锈钢高速加工;
KP4430F: 难加工材料加工专用.

切断, 切槽



CMTPR/L



TGF,RGB

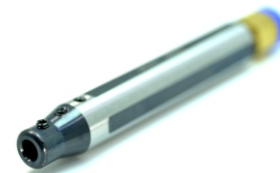


-CUT



GR

小径整体合金镗刀



性能卓越

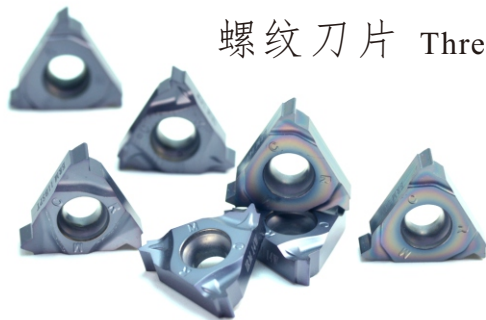
切槽刀片 Grooving insert



U钻刀片 U Drilling Insert



螺纹刀片 Thread insert



SPG(M)T



WCG(M)X

切削参数

Cutting parameters

常用计算公式 Commonly used formula

转速 S
Speed $S = \frac{V_c \times 1000}{3.14 \times D_c}$ (rev/min)

切削速度(线速度) V_c
Linear velocity

$$V_c = \frac{S \times 3.14 \times D_c}{1000} \text{ (m/min)}$$

D_c:工件直径 (Workpiece diameter)

每分钟切削长度 F
Cutting length per minute $F = f \times S \times T$ (mm/min)

每齿进给量 f
(Feed per tooth)

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

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, V_c<180m/min, CVD化学涂层适合半精加工至粗加工, 高速加工V_c=180-400m/min;

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, V_c<180m/min; CVD coating is suitable for semi-finishing to rough machining, high speed cutting V_c=150-400m/min;

工欲善其事 必先利其器
Sharp tools make good work

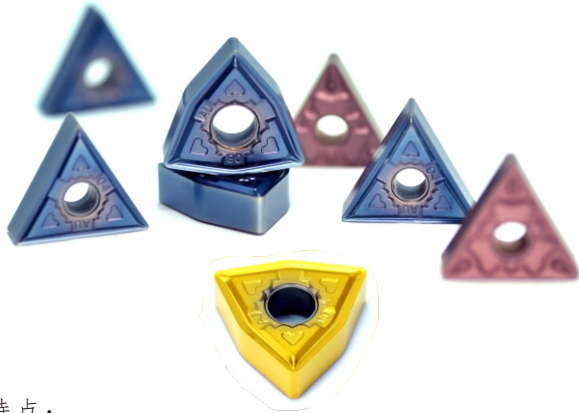
表面粗糙度 Surface roughness

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
	f (mm/tooth)						
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

AU,CQ Turning insert

-精加工车削刀片 Finishing

自主研发专利槽型 Patented



特点:

刃口非常锋利, 铁屑控制好, 耐磨性极强, 精加工专用;

被加工对象:

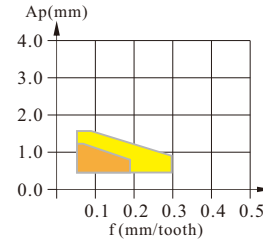
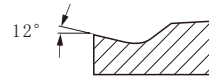
不锈钢, 钛合金, 高温合金, 钢的精加工。

Feature:

Very sharp edge, well chip breaking, perfect abrasive resistance, special for finishing.

Application:

Finishing for Stainless steel, Titanium alloy, Heat resisting alloy, Steel.



Negative turning

		PVD涂层			加工参数 parameters
		KP4630T	KP4130H	KP4430F	
工件 材质	P 软钢及钢件精加工 Steel	✚	●	●	Vc (mm/min)
	P 淬火钢加工 hardened steel		●	●	80-150-200
	M 不锈钢 Stainless steel	✚	●	●	40-70-100
	S 钛合金 Titanium alloy	✚	●	●	60-120-180
	S 耐热合金 Heat-resisting steel	✚	●	●	40-60-80
常用型号规格					断屑槽对应表
CNMG120404, 08, 12-AU		✚	●	●	Mitsubishi:MS,SH Kyocera:HQ Taegutec: SF Sandvik:MF
TNMG160404, 08-AU		✚	●	●	
WNMG080404, 08-AU		✚	●	●	
CNMG120404, 08-CQ		✚	●		
TNMG160404, 08-CQ		✚	●		
WNMG080404, 08-CQ		✚	●		

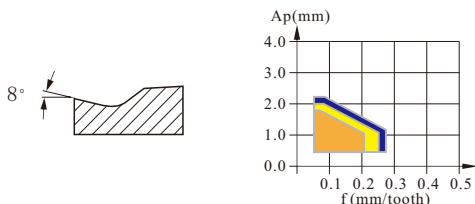
● : 首选; ○ 可选 ● : 连续加工 ● : 不规则形状加工 ✚ : 断续加工

-CM Turning insert

-精加工及半精加工车削刀片

Finishing & Semi-finishing

自主研发专利槽型 Patented



特点:

刃口锋利, 铁屑控制好, 耐磨性好, 精加工及半精加工一气呵成;

被加工对象:

不锈钢, 钛合金, 高温合金, 淬火钢, 低碳钢。

KP4630T: 通用加工材质;

KP4130H: 不锈钢中高速加工 $V_c=100-180\text{m/min}$, 工况较好的条件。

KP4430F: 高温合金精加工, 钛合金加工, 不锈钢, 淬火钢加工;

KC4135: 不锈钢及高温合金高速加工 $V_c=150-250\text{m/min}$ 。

KC1125: 低碳钢精加工。

Feature:

Sharp edge, well chip breaking, perfect abrasive resistance, covering both finishing and semi-finishing.

Application:

Stainless steel, Titanium alloy, Heat resisting alloy,

Hardened steel, Low-carbon steel.

KP4630T: Universal grade .

KP4130H: Stainless steel machining ($V_c = 100-180\text{m/min}$)

KP4430: Heat resisting alloy finishing, Titanium alloy, Stainless steel and handend steel.

KC4125: High speed machining of stainless steel and Heat resisting alloy,

$V_c=150-250\text{m/min}$ (stainless steel).

KC1125: Low carbon steel Finishing.

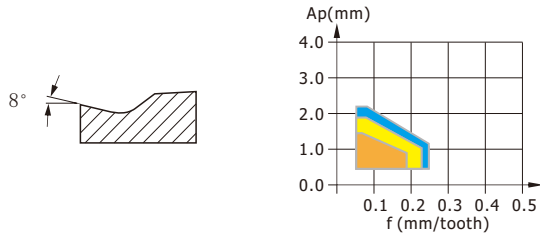
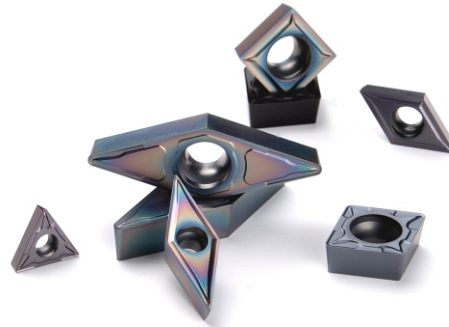
A-02

		PVD			CVD		加工参数 parameters
		KP4630T	KP4130H	KP4430F	KC4135	KC1125	V_c (mm/min)
工件 材 质	P 低碳钢 Steel finishing	✦	✦		●	●	150-220-280
	P 淬火钢加工 Hardened steel			●			30-50-80
	M 不锈钢 Stainless steel	✦	✦	●	●		60-120-180
	S 钛合金 Titanium alloy	✦	✦	●			40-60-80
	S 耐热合金 Heat-resisting steel	✦		●	●		40-70-90
常用型号规格							断屑槽对应表
CNMG120404, 08, 12-CM		✦	✦	●	●	●	Mitsubishi: MS, MA Kyocera: MS Taegutec: PC,MP Sandvik: MM Kennametal: P,MP
DNMG150404, 08-CM		✦	✦	●	●	●	
DNMG150604, 08-CM		✦	✦	●	●	●	
SNMG120404, 08, 12-CM		✦	✦	●	●	●	
TNMG160404, 08-CM		✦	✦	●	●	●	
VNMG160404, 08-CM		✦	✦	●	●	●	
WNMG080404, 08, 12-CM		✦	✦	●	●	●	
CNMU09T304, 08-CM		✦	✦	●			
TNMU120304, 08-CM		✦	✦	●			

CM Turning insert

-精加工及半精加工车削刀片

Finishing & Semi-finishing
自主研发专利槽型 Patented



特点:

刃口锋利, 铁屑控制好, 耐磨性好, 精加工及半精加工一气呵成;

被加工对象:

不锈钢, 钛合金, 高温合金, 淬火钢, 低碳钢。

KP4630T: 通用加工材质;

KP4130H: 通用不锈钢中高速加工材质, $V_c=100-180\text{mm/min}$;

KP4430F: 高温合金精加工, 钛合金加工, 不锈钢高速加工;

KC4135: 不锈钢及高温合金高速加工 $V_c=150-250\text{m/min}$ 。

Feature:

Sharp edge, well chip breaking, perfect abrasive resistance, covering both finishing and semi-finishing.

Application:

Stainless steel, Titanium alloy, Heat resisting alloy,

Hardened steel, Low-carbon steel.

KP4630T: Universal grade .

KP4130H: Universal grade for stainless steel. $V_c=100-180\text{mm/min}$.

KP4430F: Heat resisting alloy, Titanium alloy,

Stainless steel with high speed working.

KC4125: High speed machining of stainless steel and superalloy,

$V_c=150-250\text{m/min}$.

		PVD		CVD		加工参数 parameters Vc (mm/min)
		KP4630T	KP4430F	KP4130H	KC4135	
工件 材 质	P 软钢及钢件精加工 Steel	✳		✳	●	80-150-180
	P 淬火钢加工 hardened steel		●			30-50-80
	M 不锈钢 Stainless steel	✳		✳	●	60-120-160
	S 钛合金 Titanium alloy	✳	●	✳		40-60-80
	S 耐热合金 Heat-resisting steel	✳	●		●	40-70-90
常用型号规格						断屑槽对应表
CCGT060202, CCMT060204, 08-CM		✳	●	✳	●	Mitsubishi: MS&MA Kyocera: MS Taegutec: PC,MP Sandvik:MM Kennametal: P,MP
CCGT09T302, CCMT09T304, 08-CM		✳	●	✳	●	
CCMT120404, 08, 12-CM		✳	●	✳	●	
DCGT070202, DCMT070204-CM		✳	●	✳	●	
DCGT11T302, DCMT11T304-CM		✳	●	✳	●	
SCMT09T304, 08-CM		✳	●	✳	●	
TCGT110202, TCMT110204, 08-CM		✳	●	✳	●	
VBGT110302-CM		✳	●	✳		
VCGT110302-CM		✳	●	✳		
VPGT110302-CM		✳	●	✳		
VBGT160402, VBMT160404, 08-CM		✳	●	✳	●	
VCGT160402-CM		✳	●	✳		

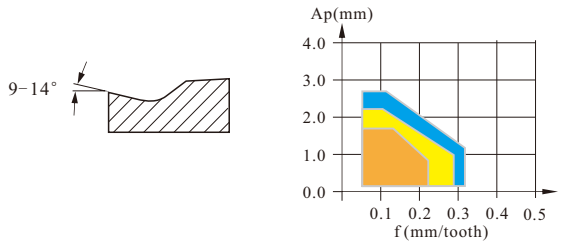
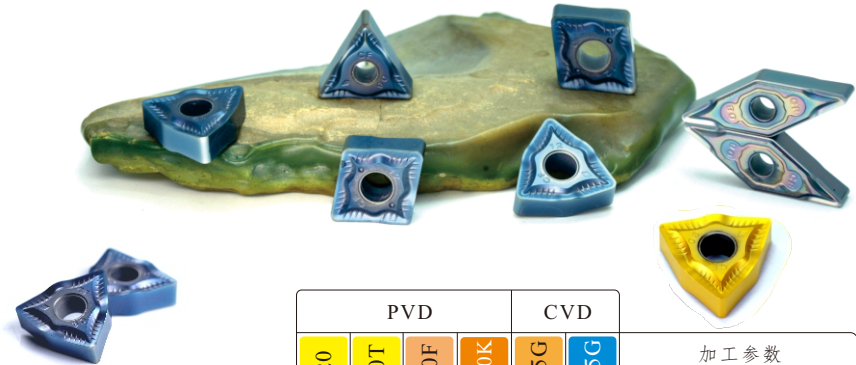
CF Turning insert

-精加工及半精加工车削刀片

Finishing & Semi-finishing

自主研发专利槽型 Patented

CF槽型专注于难加工材料
加工克星：蓝魔系列



CPA4130(40)K: 高温合金粗加工专用;
CPA4130(40)K : Special for high temperature alloy processing

特点:
刃口非常锋利, 铁屑控制好, 精加工及半精加工专用;
被加工对象:
不锈钢, 钛合金, 高温合金, 淬火钢, 低碳钢首选。

Feature:
Sharp edge, well chip breaking, special for finishing and semi-finishing.

Application:
First choice for Stainless steel, Titanium alloy, Heat resisting alloy, Hardened steel, Low-carbon steel.

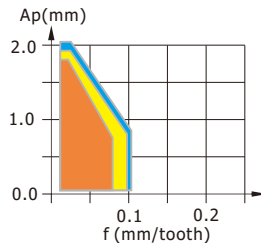
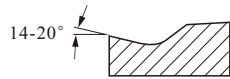
工件材质	P 低碳钢加工 Steel	P 淬火钢加工 hardened steel	M 不锈钢 Stainless steel	S 钛合金 Titanium alloy	S 耐热合金 Heat-resisting steel	PVD				CVD		加工参数 parameters
						KP4120	KP4630T	KP4430F	CPA4140K	KC1135G	KC1135G	Vc (mm/min)
	✱	✱	✱			✱	●					60-120-250
												30-50-80
	✱	✱	✱					✱				60-120-180
		✱	●									40-60-80
		✱	●	✱								60-80-100
常用型号规格												断屑槽对应表
	CNMG120404-CF		✱	●			✱	●				Mitsubishi : MJ Kyocera : TK Taegutec : ML Sandvik : SF Tungaloy : SS
	CNMG120408,12-CF		✱	●	✱	✱	✱	●				
	DNMG150404&08-CF		✱	●								
	DNMG150604&08-CF		✱	●								
NEW	TNGG160401-CF	✱	✱	●								
NEW	TNGG160402-CF	✱	✱	●								
	TNMG160404&08,12-CF		✱	●			✱	●				
NEW	VNMG12T304&08-CF		✱	●								
	VNMG160404&08-CF		✱	●								
	WNMG080404-CF		✱	●			✱	●				
	WNMG080408&12-CF		✱	●	✱	✱	✱	●				

CF Turning insert

-超精加工车削刀片

Finishing

自主研发专利槽型 Patented



特点:

刃口锋利, 铁屑控制好, 精加工及半精加工专用;

被加工对象:

不锈钢, 钛合金, 高温合金, 淬硬钢, 低碳钢首选。

KP1120专用易车铁, 钛合金及不锈钢的低速加工.

Feature:

Sharp edge, well chip breaking, special for finishing and semi-finishing.

Application:

First choice for Stainless steel, Titanium alloy,

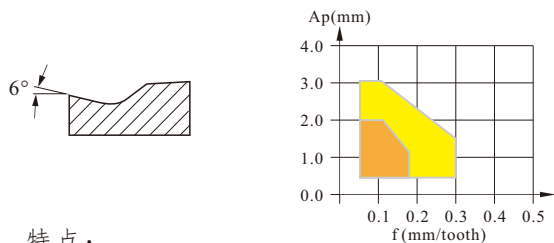
Heat resisting alloy, Hardened steel, Low-carbon steel.

		PVD				加工参数 parameters Vc (mm/min)
		KP1120	KP4630T	KP4430F	KP4130H	
工件 材 质	P 软钢及钢件精加工 Steel	✳	✳	✳	✳	50-120-180
	P 淬硬钢加工 hardened steel			●		30-100-150
	M 不锈钢 Stainless steel	✳	✳		✳	40-60-80
	S 钛合金 Titanium alloy	✳	✳	✳	✳	40-60-80
	S 耐热合金 Heat-resisting steel		✳	✳	✳	200-300-400
常用型号规格						断屑槽对应表
CCGT060201 - CF		✳	✳	✳	✳	槽型: Tungaloy: JS Kyocera: GF NTK: CL 材质: CP1120= SH730 PR930 TM4,QM3 CP2630T= AH725 PR1225 DM4 CP2430F= PR1525
CCGT060202 - CF		✳	✳	✳	✳	
CCGT09T301 - CF		✳	✳	✳	✳	
CCGT09T302 - CF		✳	✳	✳	✳	
CCGT09T304 - CF		✳	✳	✳	✳	
DCGT070201 - CF		✳	✳	✳	✳	
DCGT070202 - CF		✳	✳	✳	✳	
DCGT11T301 - CF		✳	✳	✳	✳	
DCGT11T302 - CF		✳	✳	✳	✳	
DCGT11T304 - CF		✳	✳	✳	✳	
VBGT110301 - CF		✳	✳	✳	✳	
VBGT110302 - CF		✳	✳	✳	✳	
VCGT110301 - CF		✳	✳	✳	✳	
VCGT110302 - CF		✳	✳	✳	✳	
VPGT110301 - CF		✳	✳	✳	✳	
VPGT110302 - CF		✳	✳	✳	✳	

CMA Turning insert

半精加工车削刀片

Finishing & Semi-finishing



特点:

刃口较锋利, 铁屑控制好, 半精加工专用;

被加工对象:

不锈钢, 高温合金, 淬火钢, 低碳钢首选。

Feature:

Sharp edge, well chip breaking, special for semi-finishing.

Application:

First choice for Stainless steel,

Heat resisting alloy, Hardened steel, Low-carbon steel.

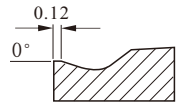
A-06

		PVD			CVD	加工参数 parameters Vc (mm/min)
		KP4630T	CPA4130K	KP4130H	KC740G	
工件 材 质	P 钢件加工 Steel		✳		✳	120-180-250
	P 淬火钢加工 hardened steel		●			30-50-80
	M 不锈钢 Stainless steel	✳	✳	✳		60-120-180
	S 钛合金 Titanium alloy					40-70-90
	S 耐热合金 Heat-resisting steel	✳		✳		40-70-90
常用型号规格						断屑槽对应表
CNMG120404-CMA		✳	✳	✳	✳	Mitsubishi: MA Kyocera: PG,MS,PS Taegutec: PC,MT Tungaloy: TM
CNMG120408-CMA		✳	✳	✳	✳	
CNMG120412-CMA		✳	✳	✳	✳	
DNMG150404-CMA		✳	✳	✳	✳	
DNMG150408-CMA		✳	✳	✳	✳	
DNMG150604-CMA		✳	✳	✳	✳	
DNMG150608-CMA		✳	✳	✳	✳	
SNMG120404-CMA		✳	✳	✳	✳	
SNMG120408-CMA		✳	✳	✳	✳	
SNMG120412-CMA		✳	✳	✳	✳	
TNMG160404-CMA		✳	✳	✳	✳	
TNMG160408-CMA		✳	✳	✳	✳	
TNMG160412-CMA		✳	✳	✳	✳	
VNMG160404-CMA		✳	✳	✳	✳	
VNMG160408-CMA		✳	✳	✳	✳	
VNMG160412-CMA		✳	✳	✳	✳	
WNMG080404-CMA		✳	✳	✳	✳	
WNMG080408-CMA		✳	✳	✳	✳	
WNMG080412-CMA		✳	✳	✳	✳	

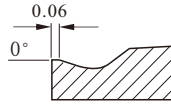
XM1 Turning Insert

一精及半精加工车削刀片

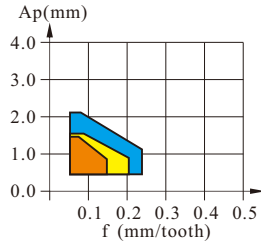
Semi-finishing



M级精度
M glass



G级精度
G glass



正角刀片 Positive turning

		PVD			加工参数 parameters Vc (mm/min)
		KP4630T	KP4430	KP4130H	
工件 材质	P 钢件加工 Steel	✳	●	✳	120-210
	P HRC40-60淬火钢加工 Steel		●		50-100
	K 铸铁 Cast iron				120-210
	M 不锈钢 Stainless steel	✳	●	✳	60-180
	S 耐热合金 Heat-resisting steel	✳	●	✳	40-70
常用型号规格					断屑槽对应表
G级 磨制	CCGT060204, 08-XM1	✳	●	✳	Mitsubishi(三菱):-无代码 Kyocera(京瓷):-GK Taegutec(特固克):-MT Tungaloy(泰柯洛):-PM
	CCGT09T304, 08-XM1	✳	●	✳	
	CCGT120404, 08, 12-XM1	✳	●	✳	
	DCGT070204, 08-XM1	✳	●	✳	
	DCGT11T304, 08-XM1	✳	●	✳	
	SCGT09T304, 08-XM1	✳	●	✳	
	SCGT120404, 08, 12-XM1	✳	●	✳	
	TCGT110204, 08-XM1	✳	●	✳	
	TCGT16T304, 08-XM1	✳	●	✳	
	VB(C,P)GT110304,08-XM1	✳	●	✳	
VB(C,P)GT160404,08-XM1	✳	●	✳		
M级 磨制	CCMT060204, 08-XM1	✳	●	✳	
	CCMT09T304, 08-XM1	✳	●	✳	
	CCMT120404, 08, 12-XM1	✳	●	✳	
	DCMT070204, 08-XM1	✳	●	✳	
	DCMT11T304, 08-XM1	✳	●	✳	
	SCMT09T304, 08-XM1	✳	●	✳	
	SCMT120404, 08, 12-XM1	✳	●	✳	
	TCMT110204, 08-XM1	✳	●	✳	
	TCMT16T304, 08-XM1	✳	●	✳	
	VB(C)MT110304,08-XM1	✳	●	✳	
VB(C)MT160404,08-XM1	✳	●	✳		

TM Turning insert

-半精加工车削刀片

Semi-finishing

特点:

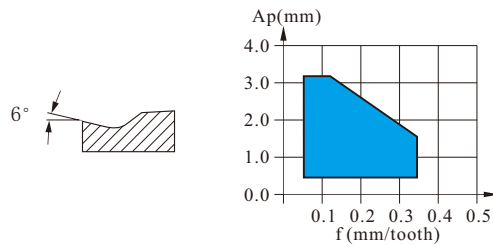
刃口较锋利，铁屑控制好，半精加工槽型；

被加工对象： 钢件加工。

Feature:

Sharp edge, well chip breaking, semi-finishing.

Application: Steel.



负角刀片 Negative turning

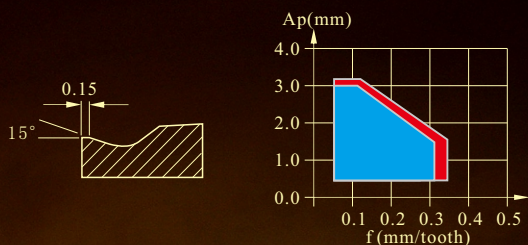
		PVD			CVD		
		KP4430G	KC1235G	KC740G	加工参数 Vc parameters (mm/min)		
					PVD KP2430	CVD KC1135G,1035G	
工件 材 质	P	软钢及钢件加工 Steel	✘	✘	✘	120-170-210	180-240-280
	P	锻钢及铸钢加工 Steel	✘	✘	✘	80-150-180	180-220-250
	P	HRC40-60淬火钢加工 Steel	✘			60-80-120	
	K	铸铁 Cast iron			✘		180-250-400
常用型号规格					断屑槽对应表		
CNMG120404-TM		✘	✘	✘	Mitsubishi: MA Kyocera: PG,PS Taegutec: MT Tungaloy: TM		
CNMG120408-TM		✘	✘	✘			
CNMG120412-TM		✘	✘	✘			
DNMG150404-TM		✘	✘	✘			
DNMG150408-TM		✘	✘	✘			
DNMG150604-TM		✘	✘	✘			
DNMG150608-TM		✘	✘	✘			
SNMG120404-TM		✘	✘	✘			
SNMG120408-TM		✘	✘	✘			
SNMG120412-TM		✘	✘	✘			
TNMG160404-TM		✘	✘	✘			
TNMG160408-TM		✘	✘	✘			
TNMG160412-TM		✘	✘	✘			
VNMG160404-TM		✘	✘	✘			
VNMG160408-TM		✘	✘	✘			
VNMG160412-TM		✘	✘	✘			
WNMG080404-TM		✘	✘	✘			
WNMG080408-TM		✘	✘	✘			
WNMG080412-TM		✘	✘	✘			

MR Turning insert

-半精加工车削刀片

Semi-finishing

自主研发专利槽型 Patented



特点:

刃口强壮, 铁屑控制好, 半精加工槽型;

被加工对象:

钢件及铸铁(球墨及镍基铸铁)加工。

Feature:

Strong blade, well chip breaking, semi-finishing.

Application:

Steel, Nodular cast iron and Nickel-based cast iron.

负角刀片 Negative turning

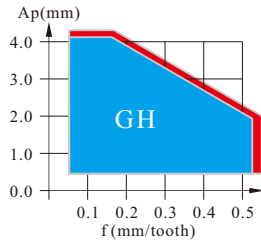
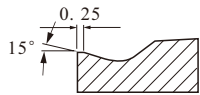
工件材质	CVD		加工参数 parameters Vc (mm/min)
	KC135G	KC740G	
P 软钢及钢件加工 Steel	☼		180-240-280
P 锻钢及铸钢加工 Steel	☼	☼	180-220-250
K 铸铁 Cast iron			180-250-400
K 镍基 Ni-Cast iron		☼	150-180-250
常用型号规格			断屑槽对应表
CNMG120404, 08, 12-MR	☼	☼	Mitsubishi(三菱): MA Kyocera(京瓷): PS -GC 全周槽型 Taegutec(特固克): MG槽型 Sandivik(山特维克): P-PR, -KM槽型 Tungaloy(泰柯洛): TM, 全周槽型
CNMG160608, 12, 16-MR	☼	☼	
CNMG190616, 24-MR	☼	☼	
DNMG150404, 08-MR	☼	☼	
DNMG150604, 08-MR	☼	☼	
SNMG120404, 08, 12-MR	☼	☼	
SNMG150608, 12, 16, 24-MR	☼	☼	
TNMG160404, 08-MR	☼	☼	
TNMG220408, 12-MR	☼	☼	
VNMG160404, 08-MR	☼	☼	
WNMG080404, 08, 12-MR	☼	☼	

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

GH Turning insert

粗加工车削刀片

Rough machining



特点:

刃口强壮;

被加工对象:

铸铁及钢件粗加工首选。

Feature:

Strong blade.

Application:

Rough machining of cast iron and steel parts is preferred.

CVD	
KC740G	KC3110

工件材质	加工参数 parameters	
	Vc (mm/min)	
P 软钢及钢件加工 Steel		180-240-280
P 锻钢及铸钢加工 Steel	✖	180-220-250
K 铸铁 Cast iron	✖	180-250-400
常用型号规格		断屑槽对应表
CNMG120408-GH	✖	●
CNMG120412-GH	✖	●
CNMG160612-GH		●
CNMG160616-GH		●
CNMG190616-GH		●
CNMM190616-GH		●
DNMG150408-GH	✖	●
DNMG150608-GH	✖	●
TNMG160408-GH	✖	●
TNMG160412-GH	✖	●
SNMG120408-GH	✖	●
SNMG120412-GH	✖	●
SNMG120416-GH	✖	●
SNMG150612-GH		●
SNMG190612-GH		●
SNMG190616-GH		●
SNMG250724-GH		●
SNMM190616-GH		●
SNMM250924-GH		●
VNMG160408-GH	✖	●
VNMG160412-GH	✖	●
WNMG080408-GH	✖	●
WNMG080412-GH	✖	●

全周型

R/L-ZC Turning insert

粗加工车削刀片

Rough machining



特点:

刃口强壮;

被加工对象:

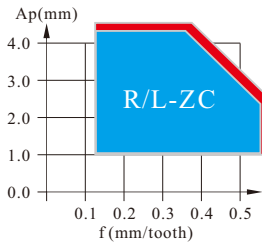
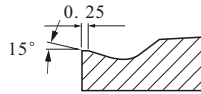
钢件粗加工。

Feature:

Strong blade.

Application:

Rough machining of steel.



		CVD			加工参数 parameters Vc (mm/min)
		KC1135G	KC740G	CT20	
工件 材质	P 软钢及钢件精加工 Steel	✳	✳	✳	180-240-280
	P 锻钢及铸钢加工 Steel	✳	✳	✳	180-220-250
	K 镍基铸铁 Nickel cast iron		✳		180-250-400
常用型号规格					断屑槽对应表
CNMG1204 04R/L-ZC		✳	✳	✳	
CNMG1204 08R/L-ZC		✳	✳	✳	
CNMG1204 12R/L-ZC		✳	✳	✳	
TNMG160404R/L-ZC		✳	✳	✳	
TNMG160408R/L-ZC		✳	✳	✳	
TNMG160412R/L-ZC		✳	✳	✳	
SNMG120408R/L-ZC		✳	✳	✳	
SNMG120412R/L-ZC		✳	✳	✳	
WNMG080408R/L-ZC		✳	✳	✳	
WNMG080408R/L-ZC		✳	✳	✳	
WNMG080412R/L-ZC		✳	✳	✳	

MT Cermet Turning insert

-半精加工金属陶瓷车削刀片

Finishing & Semi-finishing

特点:

刃口较锋利, 铁屑控制好, 精加工及半精加工槽型;

被加工对象:

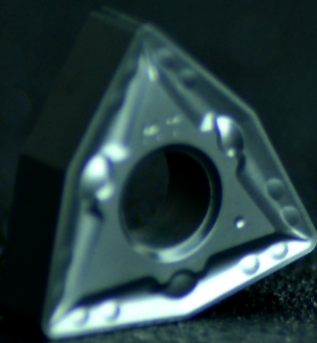
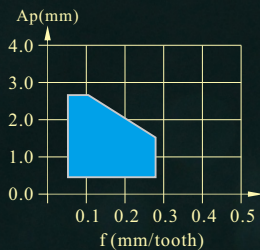
低碳合金钢连续加工最佳选择。

Feature:

Sharp edge, well chip breaking, finishing & semi-finishing.

Application:

Low-carbon steel continuous working.



负角刀片 Negative turning

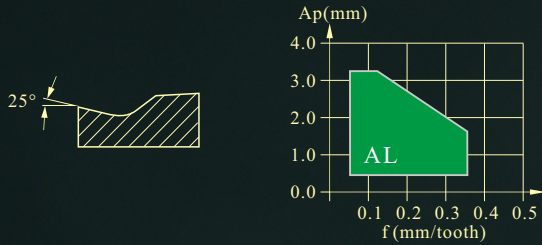
CTP20为金属陶瓷涂层

		金属陶瓷		加工参数 parameters
		CT20	CTP20	
工 件 材 质	P 软钢及钢件精加工 Steel	☺	☺	120-180-250
	P 钢件精加工 Steel	☺	☺	150-200-280
常用型号规格				断屑槽对应表
CNMG120404, 08-MT		☺	☺	Taegutec: MT Tungaloy: TS
DNMG150404, 08-MT		☺	☺	
DNMG150604, 08-MT		☺	☺	
TNMG160404, 08-MT		☺	☺	
VNMG160404, 08-MT		☺	☺	
WNMG080404, 08-MT		☺	☺	
CCMT060204, 08-MT		☺	☺	
CCMT09T304, 08-MT		☺	☺	
DCMT070204, 08-MT		☺	☺	
DCMT11T304, 08-MT		☺	☺	
SCMT09T304, 08-MT		☺	☺	
TCMT110204, 08-MT		☺	☺	
VBMT110304, 08-MT		☺	☺	
VBMT160404, 08-MT		☺	☺	

AL Turning insert

-精加工及半精加工车削刀片

Finishing & Semi-finishing



特点:

刃口较锋利, 铁屑控制好, 精加工及半精加工槽型;

被加工对象:

铝合金加工最佳选择。

Feature:

Sharp edge, well chip breaking, finishing & semi-finishing.

Application:

Aluminium alloy working.

负角刀片 Negative turning

		硬质合金		加工参数 parameters
		CW20		Vc (mm/min)
工件 材 质	N 铝合金加工 Aluminium alloy	✦		250-300-400
	N 有色金属 Nonferrous metal	✦		150-200-280
常用型号规格		断屑槽对应表		
CNMG120404, 08, 12-AL		✦		Kyocera: -AH Taegutec: -FL
DNMG150404, 08-AL		✦		
DNMG150604, 08-AL		✦		
TNMG160404, 08-AL		✦		
VNMG160404, 08-AL		✦		
WNMG080404, 08, 12-AL		✦		

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

AL Turning insert

-精加工及半精加工车削刀片

Finishing & Semi-finishing

特点:

刃口较锋利, 铁屑控制好, 精加工及半精加工槽型;

被加工对象:

铝合金加工最佳选择。

Feature:

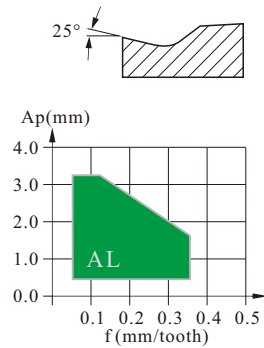
Sharp edge, well chip breaking, finishing & semi-finishing.

Application:

Auminium alloy working.

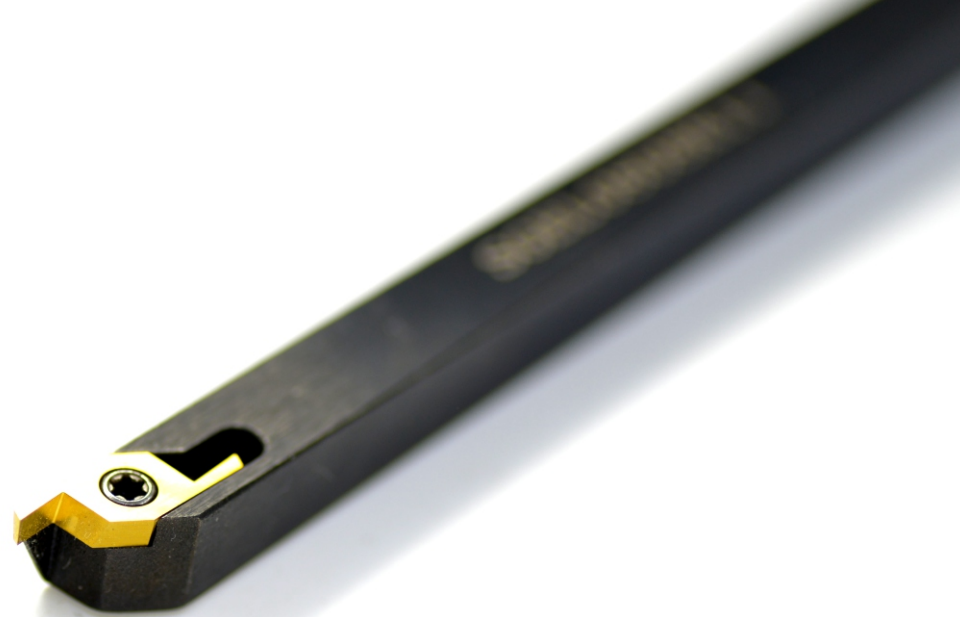
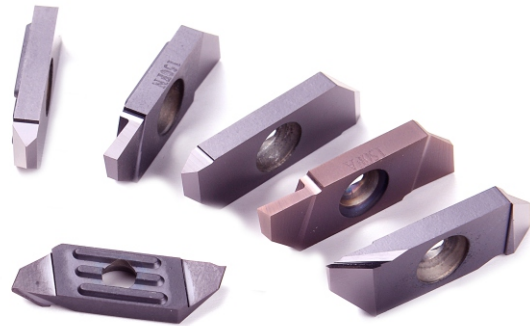
正角刀片 Positive turning

工件材质	加工参数 parameters	
	Vc (mm/min)	
N 铝合金加工 Aluminium alloy	250-300-400	
N 有色金属 Nonferrous metal	150-200-280	
S 钛合金 Titanium alloy	40-60-80	
常用型号规格		断屑槽对应表
CCGT060202, 04, 08-AL	✘	✘
CCGT09T302, 04, 08-AL	✘	✘
CCGT120402, 04, 08, 12-AL	✘	✘
DCGT070202, 04, 08-AL	✘	✘
DCGT11T302, 04, 08-AL	✘	✘
SCGT09T302, 04, 08-AL	✘	✘
TCGT110202, 04, 08-AL	✘	✘
TCGT16T302, 04, 08-AL	✘	✘
VCGT110304,08-AL	✘	✘
VCGT160402, 04, 08, 12, 16, 20 -AL	✘	✘
VCGT220530 -AL	✘	✘



精密小零件加工刀具

Recision small parts processing

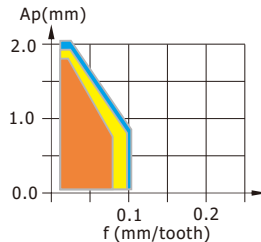
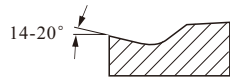


CF Turning insert

-超精加工车削刀片

Finishing

自主研发专利槽型 Patented



特点:

刃口锋利, 铁屑控制好, 精加工及半精加工专用;

被加工对象:

不锈钢, 钛合金, 高温合金, 淬火钢, 低碳钢首选。

KP1120专用易车铁, 钛合金及不锈钢的低速加工.

Feature:

Sharp edge, well chip breaking, special for finishing and semi-finishing.

Application:

First choice for Stainless steel, Titanium alloy,

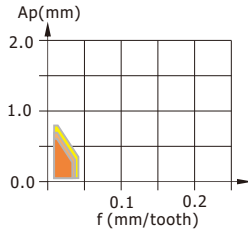
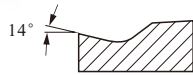
Heat resisting alloy, Hardened steel, Low-carbon steel.

		PVD				加工参数 parameters Vc (mm/min)
		KP1120	KP4130	KP4430F	KP4630T	
工件 材 质	P 软钢及钢件精加工 Steel	✱	✱	✱	✱	50-120-180
	P 淬火钢加工 hardened steel			●		30-100-150
	M 不锈钢 Stainless steel	✱	✱		✱	40-60-80
	S 钛合金 Titanium alloy	✱	✱	✱	✱	40-60-80
	S 耐热合金 Heat-resisting steel		✱	✱	✱	200-300-400
常用型号规格						断屑槽对应表
CCGT060201 - CF		✱	✱	✱	✱	槽型: Tungaloy : JS Kyocera : GF NTK : CL 材质: CP1120= SH730 PR930 TM4,QM3 CP2630T= AH725 PR1225 DM4 CP2430F= PR1525
CCGT060202 - CF		✱	✱	✱	✱	
CCGT09T301 - CF		✱	✱	✱	✱	
CCGT09T302 - CF		✱	✱	✱	✱	
CCGT09T304 - CF		✱	✱	✱	✱	
DCGT070201 - CF		✱	✱	✱	✱	
DCGT070202 - CF		✱	✱	✱	✱	
DCGT11T301 - CF		✱	✱	✱	✱	
DCGT11T302 - CF		✱	✱	✱	✱	
DCGT11T304 - CF		✱	✱	✱	✱	
VBGT110301 - CF		✱	✱	✱	✱	
VBGT110302 - CF		✱	✱	✱	✱	
VCGT110301 - CF		✱	✱	✱	✱	
VCGT110302 - CF		✱	✱	✱	✱	
VPGT110301 - CF		✱	✱	✱	✱	
VPGT110302 - CF		✱	✱	✱	✱	

R/L-S Turning insert

-小零件加工车削刀片 超精加工

Small parts machining turning insert finishing



特点:

刃口锋利, 铁屑控制好, 超精加工槽型;

被加工对象:

不锈钢, 钛合金, 高温合金, 淬火钢, 碳钢。

KP4130: 通用加工材质, 中低速加工;

KP1120: 易车铁及软钢加工材质, 低速加工;

KP8130: 钛合金, 不锈钢, 高温合金及钢件加工;

CT20(金属陶瓷): 碳钢连续加工。

Feature:

Sharp edge, well chip breaking, covering both superfinishing .

Application:

Stainless steel, Titanium alloy, Heat resisting alloy,

Hardened steel, Low-carbon steel.

KP4130: General processing materials, Low speed machining.

KP1120: Low carbon steel processing, Low speed machining.

KP8130: Titanium alloy, Stainless steel, Heat resisting alloy, steel;

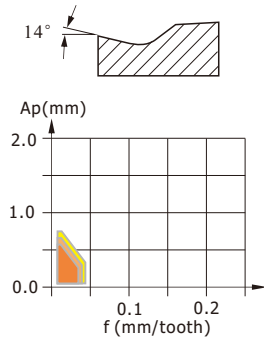
CT20: Continuous processing of carbon steel.

		PVD			金属陶瓷	加工参数 parameters
		KP4130	KP1120	KP8130	CT20	
Positive turning						
工件 材 质	P 软钢及钢件精加工 Steel	✳	✳	✳	●	50-120-180
	M 不锈钢 Stainless steel	✳	✳	✳		30-100-150
	S 钛合金 Titanium alloy	✳	✳	✳		40-60-80
	S 耐热合金 Heat-resisting steel			✳		40-60-80
	N 有色金属 Nonferrous metal					200-300-400
常用型号规格					断屑槽对应表	
CPGH040101 R/L -S		✳	✳	✳	●	NTK: -KHG; -K
CPGH040102 R/L -S		✳	✳	✳	●	
CPGH040104 R/L -S		✳	✳	✳	●	
CCGT0602005 R/L -S		✳	✳	✳	●	
CCGT060201 R/L -S		✳	✳	✳	●	
CCGT060202 R/L -S		✳	✳	✳	●	
CCGT060204 R/L -S		✳	✳	✳	●	
CCGT09T3005 R/L -S		✳	✳	✳	●	
CCGT09T301 R/L -S		✳	✳	✳	●	
CCGT09T302 R/L -S		✳	✳	✳	●	
CCGT09T304 R/L -S		✳	✳	✳	●	
DCGT0702005 R/L -S		✳	✳	✳	●	
DCGT070201 R/L -S		✳	✳	✳	●	
DCGT070202 R/L -S		✳	✳	✳	●	
DCGT070204 R/L -S		✳	✳	✳	●	
DCGT11T3005 R/L -S		✳	✳	✳	●	
DCGT11T301 R/L -S		✳	✳	✳	●	
DCGT11T302 R/L -S		✳	✳	✳	●	
DCGT11T304 R/L -S		✳	✳	✳	●	

R/L-S Turning insert

-小零件加工车削刀片 超精加工

Small parts machining turning insert Superfinishing



特点:

刃口锋利, 铁屑控制好, 超精加工槽型;

被加工对象:

不锈钢, 钛合金, 高温合金, 淬火钢, 碳钢。

KP4130: 通用加工材质, 中低速加工;

KP1120: 易车铁及软钢加工材质, 低速加工;

KP8130: 钛合金, 不锈钢, 高温合金及钢件加工;

CT20(金属陶瓷): 碳钢连续加工。

Feature:

Sharp edge, well chip breaking, covering both superfinishing .

Application:

Stainless steel, Titanium alloy, Heat resisting alloy,

Hardened steel, Low-carbon steel.

KP4130: General processing materials, Low speed machining.

KP1120: Low carbon steel processing, Low speed machining.

KP8130: Titanium alloy, Stainless steel, Heat resisting alloy, steel;

CT20: Continuous processing of carbon steel.

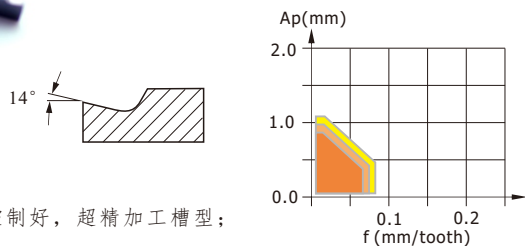
正角刀片 Positive turning

		PVD			金属陶瓷	加工参数 parameters Vc (mm/min)
		KP4130	KP1120	KP8130	CT20	
工 件 材 质	P 软钢及钢件精加工 Steel	✱	✱	✱	☉	50-120-180
	M 不锈钢 Stainless steel	✱	✱	✱		30-100-150
	S 钛合金 Titanium alloy	✱	✱	✱		40-60-80
	S 耐热合金 Heat-resisting steel			✱		40-60-80
	N 有色金属 Nonferrous metal					200-300-400
常用型号规格					断屑槽对应表	
TPGT080201 R/L -S		✱	✱	✱	☉	NTK: -KHG; -K
TPGT080202 R/L -S		✱	✱	✱	☉	
TPGT080204 R/L -S		✱	✱	✱	☉	
TPGT090201 R/L -S		✱	✱	✱	☉	
TPGT090202 R/L -S		✱	✱	✱	☉	
TPGT090204 R/L -S		✱	✱	✱	☉	
TCGT110201 R/L -S		✱	✱	✱	☉	
TCGT110202 R/L -S		✱	✱	✱	☉	
TCGT110204 R/L -S		✱	✱	✱	☉	
TPGH110301 R/L -S		✱	✱	✱	☉	
TPGH110302 R/L -S		✱	✱	✱	☉	
TPGH110304 R/L -S		✱	✱	✱	☉	
VBGT1103005 R/L -S		✱	✱	✱	☉	
VBGT110301 R/L -S		✱	✱	✱	☉	
VBGT110302 R/L -S		✱	✱	✱	☉	
VBGT110304 R/L -S		✱	✱	✱	☉	
VCGT1103005 R/L -S		✱	✱	✱	☉	
VCGT110301 R/L -S		✱	✱	✱	☉	
VCGT110302 R/L -S		✱	✱	✱	☉	
VCGT110304 R/L -S		✱	✱	✱	☉	
TNGG1604005 R/L -S		✱	✱	✱	☉	
TNGG160401 R/L -S		✱	✱	✱	☉	
TNGG160402 R/L -S		✱	✱	✱	☉	

R/L-Y Turning insert

-小零件加工车削刀片 精加工

Small parts machining turning insert finishing



特点:

刃口锋利, 铁屑控制好, 超精加工槽型;

被加工对象:

不锈钢, 钛合金, 高温合金, 淬火钢, 碳钢。

KP4130: 通用加工材质, 中低速加工;

KP1120: 易车铁及软钢加工材质, 低速加工;

KP8130: 钛合金, 不锈钢, 高温合金及钢件加工;

CT20(金属陶瓷): 碳钢连续加工。

Feature:

Sharp edge, well chip breaking, covering both superfinishing .

Application:

Stainless steel, Titanium alloy, Heat resisting alloy,

Hardened steel, Low-carbon steel.

KP4130: General processing materials, Low speed machining.

KP1120: Low carbon steel processing, Low speed machining.

KP8130: Titanium alloy, Stainless steel, Heat resisting alloy, steel;

CT20: Continuous processing of carbon steel.

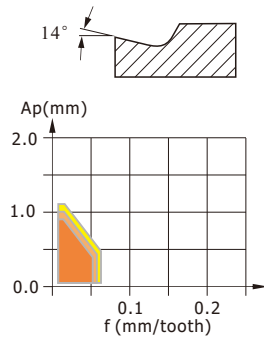
正角刀片 Positive turning

		PVD			金属陶瓷	加工参数 parameters
		KP4130	KP1120	KP8130	CT20	Vc (mm/min)
工件材质	P 软钢及钢件精加工 Steel	✱	✱	✱	●	50-120-180
	M 不锈钢 Stainless steel	✱	✱	✱		30-100-150
	S 钛合金 Titanium alloy	✱	✱	✱		40-60-80
	S 耐热合金 Heat-resisting steel			✱		40-60-80
	N 有色金属 Nonferrous metal					200-300-400
常用型号规格						断屑槽对应表
CPGH040101 R/L -Y		✱	✱	✱	●	NTK: -S -AT
CPGH040102 R/L -Y		✱	✱	✱	●	
CPGH040104 R/L -Y		✱	✱	✱	●	
CCGT0602005 R/L -Y		✱	✱	✱	●	
CCGT060201 R/L -Y		✱	✱	✱	●	
CCGT060202 R/L -Y		✱	✱	✱	●	
CCGT060204 R/L -Y		✱	✱	✱	●	
CCGT09T3005 R/L -Y		✱	✱	✱	●	
CCGT09T301 R/L -Y		✱	✱	✱	●	
CCGT09T302 R/L -Y		✱	✱	✱	●	
CCGT09T304 R/L -Y		✱	✱	✱	●	
DCGT0702005 R/L -Y		✱	✱	✱	●	
DCGT070201 R/L -Y		✱	✱	✱	●	
DCGT070202 R/L -Y		✱	✱	✱	●	
DCGT070204 R/L -Y		✱	✱	✱	●	
DCGT11T3005 R/L -Y		✱	✱	✱	●	
DCGT11T301 R/L -Y		✱	✱	✱	●	
DCGT11T302 R/L -Y		✱	✱	✱	●	
DCGT11T304 R/L -Y		✱	✱	✱	●	

R/L-Y Turning insert

-小零件加工车削刀片 精加工

Small parts machining turning insert finishing



特点:

刃口锋利, 铁屑控制好, 超精加工槽型;

被加工对象:

不锈钢, 钛合金, 高温合金, 淬火钢, 碳钢。

KP4130: 通用加工材质, 中低速加工;

KP1120: 易车铁及软钢加工材质, 低速加工;

KP8130: 钛合金, 不锈钢, 高温合金及钢件加工;

CT20(金属陶瓷): 碳钢连续加工。

Feature:

Sharp edge, well chip breaking, covering both superfinishing .

Application:

Stainless steel, Titanium alloy, Heat resisting alloy,

Hardened steel, Low-carbon steel.

KP4130: General processing materials, Low speed machining.

KP1120: Low carbon steel processing, Low speed machining.

KP8130: Titanium alloy, Stainless steel, Heat resisting alloy, steel;

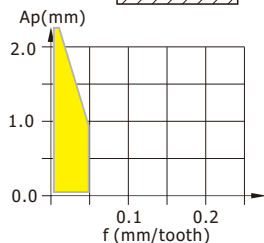
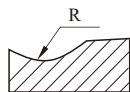
CT20: Continuous processing of carbon steel.

正角刀片 Positive turning

		PVD			金属陶瓷	加工参数 parameters Vc (mm/min)	
		KP4130	KP1120	KP8130	CT20		
工件 材 质	P	软钢及钢件精加工 Steel	✱	✱	✱	●	50-120-180
	M	不锈钢 Stainless steel	✱	✱	✱		30-100-150
	S	钛合金 Titanium alloy	✱	✱	✱		40-60-80
	S	耐热合金 Heat-resisting steel			✱		40-60-80
	N	有色金属 Nonferrous metal					200-300-400
常用型号规格						断屑槽对应表	
TPGT080201 R/L -Y		✱	✱	✱	●	NTK: -S -AT	
TPGT080202 R/L -Y		✱	✱	✱	●		
TPGT080204 R/L -Y		✱	✱	✱	●		
TPGT090201 R/L -Y		✱	✱	✱	●		
TPGT090202 R/L -Y		✱	✱	✱	●		
TPGT090204 R/L -Y		✱	✱	✱	●		
TCGT110201 R/L -Y		✱	✱	✱	●		
TCGT110202 R/L -Y		✱	✱	✱	●		
TCGT110204 R/L -Y		✱	✱	✱	●		
TPGH110301 R/L -Y		✱	✱	✱	●		
TPGH110302 R/L -Y		✱	✱	✱	●		
TPGH110304 R/L -Y		✱	✱	✱	●		
VBGT1103005 R/L -Y		✱	✱	✱	●		
VBGT110301 R/L -Y		✱	✱	✱	●		
VBGT110302 R/L -Y		✱	✱	✱	●		
VBGT110304 R/L -Y		✱	✱	✱	●		
VCGT1103005 R/L -Y		✱	✱	✱	●		
VCGT110301 R/L -Y		✱	✱	✱	●		
VCGT110302 R/L -Y		✱	✱	✱	●		
VCGT110304 R/L -Y		✱	✱	✱	●		

R/L-U Turning insert

-小零件加工车削刀片 大切深低进给 加工
Small parts machining turning insert



特点:

刃口锋利, 铁屑控制好,
大切深低进给加工槽型;

被加工对象:

不锈钢, 钛合金, 高温合金, 淬火钢, 碳钢。

KP4130: 通用加工材质, 中低速加工;

KP1120: 易车铁及软钢加工材质, 低速加工;

KP8130: 钛合金, 不锈钢, 高温合金及钢件加工;

CT20(金属陶瓷): 碳钢连续加工。

Feature:

Sharp edge, well chip breaking, covering both superfinishing .

Application:

Stainless steel, Titanium alloy, Heat resisting alloy,
Hardened steel, Low-carbon steel.

KP4130: General processing materials, Low speed machining.

KP1120: Low carbon steel processing, Low speed machining.

KP8130: Titanium alloy, Stainless steel, Heat resisting alloy, steel;

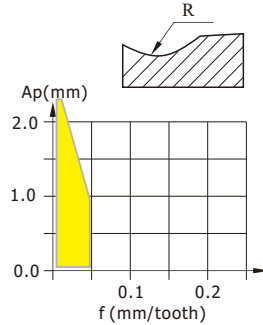
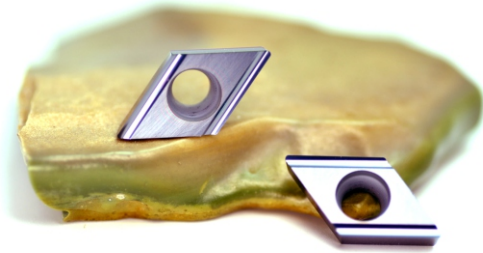
CT20: Continuous processing of carbon steel.

正角刀片 Positive turning

		PVD			金属陶瓷	加工参数 parameters Vc (mm/min)
		KP4130	KP8130	KP1120	CT20	
工件 材 质	P 软钢及钢件精加工 Steel	✱	✱	✱	☉	50-120-180
	M 不锈钢 Stainless steel	✱	✱	✱		30-100-150
	S 钛合金 Titanium alloy	✱	✱	✱		40-60-80
	S 耐热合金 Heat-resisting steel			✱		40-60-80
	N 有色金属 Nonferrous metal					200-300-400
常用型号规格						断屑槽对应表
CCGT0602005 R/L -U		✱	✱	✱	☉	NTK: -UHG -U,U1
CCGT060201 R/L -U		✱	✱	✱	☉	
CCGT060202 R/L -U		✱	✱	✱	☉	
CCGT060204 R/L -U		✱	✱	✱	☉	
CCGT09T3005 R/L -U		✱	✱	✱	☉	
CCGT09T301 R/L -U		✱	✱	✱	☉	
CCGT09T302 R/L -U		✱	✱	✱	☉	
CCGT09T304 R/L -U		✱	✱	✱	☉	
DCGT0702005 R/L -U		✱	✱	✱	☉	
DCGT070201 R/L -U		✱	✱	✱	☉	
DCGT070202 R/L -U		✱	✱	✱	☉	
DCGT070204 R/L -U		✱	✱	✱	☉	
DCGT11T3005 R/L -U		✱	✱	✱	☉	
DCGT11T301 R/L -U		✱	✱	✱	☉	
DCGT11T302 R/L -U		✱	✱	✱	☉	
DCGT11T304 R/L -U		✱	✱	✱	☉	

R/L-U Turning insert

-小零件加工车削刀片 大切深低进给加工
Small parts machining turning insert



特点:

刃口锋利, 铁屑控制好,
大切深低进给加工槽型;

被加工对象:

不锈钢, 钛合金, 高温合金, 淬火钢, 碳钢。
KP4130: 通用加工材质, 中低速加工;
KP1120: 易车铁及软钢加工材质, 低速加工;
KP8130: 钛合金, 不锈钢, 高温合金及钢件加工;
CT20(金属陶瓷): 碳钢连续加工。

Feature:

Sharp edge, well chip breaking, covering both superfinishing.

Application:

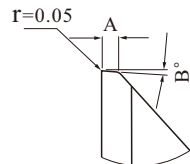
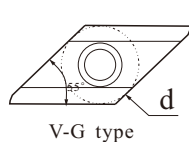
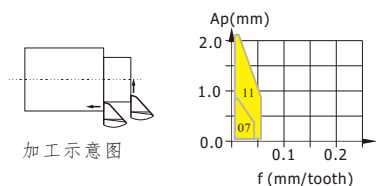
Stainless steel, Titanium alloy, Heat resisting alloy,
Hardened steel, Low-carbon steel.
KP4130: General processing materials, Low speed machining.
KP1120: Low carbon steel processing, Low speed machining.
KP8130: Titanium alloy, Stainless steel, Heat resisting alloy, steel;
CT20: Continuous processing of carbon steel.

		PVD			金属陶瓷	加工参数 parameters Vc (mm/min)
		KP4130	KP1120	KP8130	CT20	
工件 材 质	P 软钢及钢件精加工 Steel	✳	✳	✳	☉	50-120-180
	M 不锈钢 Stainless steel	✳	✳	✳		30-100-150
	S 钛合金 Titanium alloy	✳	✳	✳		40-60-80
	S 耐热合金 Heat-resisting steel			✳		40-60-80
	N 有色金属 Nonferrous metal					200-300-400
常用型号规格						断屑槽对应表
	TPGT080201 R/L -U	✳	✳	✳	☉	NTK: -UHG -U,U1
	TPGT080202 R/L -U	✳	✳	✳	☉	
	TPGT080204 R/L -U	✳	✳	✳	☉	
	TPGT090201 R/L -U	✳	✳	✳	☉	
	TPGT090202 R/L -U	✳	✳	✳	☉	
	TPGT090204 R/L -U	✳	✳	✳	☉	
	TCGT110201 R/L -U	✳	✳	✳	☉	
	TCGT110202 R/L -U	✳	✳	✳	☉	
	TCGT110204 R/L -U	✳	✳	✳	☉	
	TPGH110301 R/L -U	✳	✳	✳	☉	
	TPGH110302 R/L -U	✳	✳	✳	☉	
	TPGH110304 R/L -U	✳	✳	✳	☉	
	VBGT1103005 R/L -U	✳	✳	✳	☉	
	VBGT110301 R/L -U	✳	✳	✳	☉	
	VBGT110302 R/L -U	✳	✳	✳	☉	
	VBGT110304 R/L -U	✳	✳	✳	☉	
	VCGT1103005 R/L -U	✳	✳	✳	☉	
	VCGT110301 R/L -U	✳	✳	✳	☉	
	VCGT110302 R/L -U	✳	✳	✳	☉	
	VCGT110304 R/L -U	✳	✳	✳	☉	
	TNGG160401 R/L -U	✳	✳	✳	☉	
	TNGG160402 R/L -U	✳	✳	✳	☉	
	TNGG160404 R/L -U	✳	✳	✳	☉	

DCVR/L-V Turning insert

-小零件加工车削刀片 外圆及端面加工

Turning insert Machining of outer circle and end face



特点:

刃口锋利, 铁屑控制好,
大切深低进给加工槽型;

被加工对象:

不锈钢, 钛合金, 高温合金, 淬火钢, 碳钢。

KP4130: 通用加工材质, 中低速加工;

KP1120: 易车铁及软钢加工材质, 低速加工;

KP8130: 钛合金, 不锈钢, 高温合金及钢件加工;

Feature:

Sharp edge, well chip breaking, covering both superfinishing .

Application:

Stainless steel, Titanium alloy, Heat resisting alloy,

Hardened steel, Low-carbon steel.

KP4130: General processing materials, Low speed machining.

KP1120: Low carbon steel processing, Low speed machining.

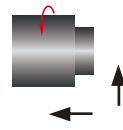
KP8130: Titanium alloy, Stainless steel, Heat resisting alloy, steel;

		PVD			加工参数 parameters Vc (mm/min)
		KP4130	KP8130	KP1120	
工件 材 质	P 软钢及钢件精加工 Steel	✳	✳	✳	50-120-180
	M 不锈钢 Stainless steel	✳	✳	✳	30-100-150
	S 钛合金 Titanium alloy	✳	✳	✳	40-60-80
	S 耐热合金 Heat-resisting steel		✳		40-60-80
	N 有色金属 Nonferrous metal				200-300-400
常用型号规格		刀尖 AXB°	d	断屑槽对应表	
DCV07 R/L V-G		0.3X7°	6.35	✳	NTK: CSVF -VB -VB-A -VB-C -VB-M
DCV07 R/L V-G		0.3X4°	6.35	✳	
DCV07 R/L V-G		0.15X7°	6.35	✳	
DCV07 R/L V-G		0.15X4°	6.35	✳	
DCV11 R/L V-G		0.3X7°	9.53	✳	
DCV11 R/L V-G		0.3X4°	9.53	✳	
DCV11 R/L V-G		0.15X7°	9.53	✳	
DCV11 R/L V-G		0.15X4°	9.53	✳	

注: 选配刀杆为SDJCR/LXXXX-07,-11

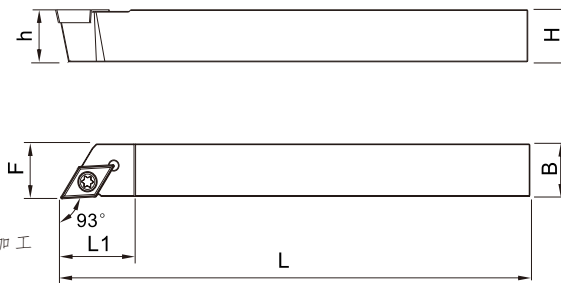
SDJCR / L-F 型

(走心机外圆及端面加工)

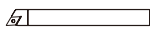
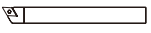


特点:

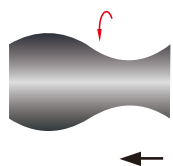
1. 用途: 外圆及端面加工
2. 使用率: ★★★★★
3. 经济性: ★★★
4. ISO通用刀片



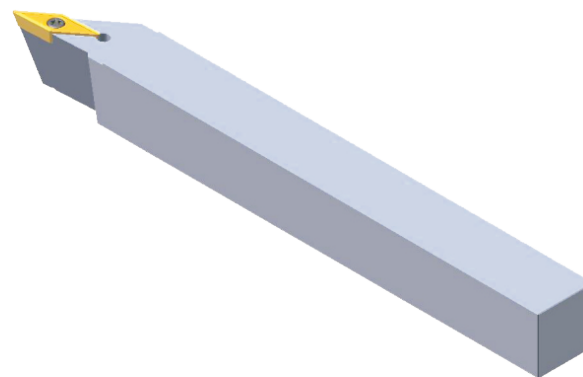
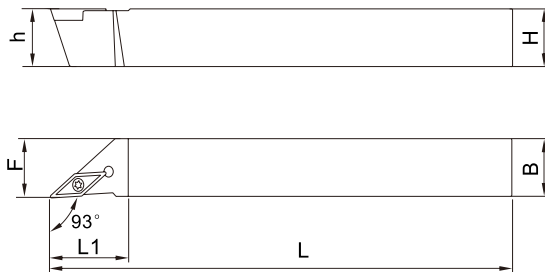
本图例为右手刀 (R) RIGHT HAND SHOWN

型号 MODEL NO.		尺寸 mm						螺钉	扳手	刀片 型号
 正刀	 反刀	H h	B	L	L1	F				
SDJCR	0808K07F	0808K07F	8	8	125	16	8.5	MS2560	T8	DC..0702..
	1010K07F	1010K07F	10	10	125	16	10.5			
	1212M11F	1212M11F	12	12	125	22	12.5	MS4080	T15	DC..11T3..
	1616M11F	1616M11F	16	16	125	22	16.5			

SVJB(C)R/ L-F 刀杆



- 特点:
- 1.用途: 外圆及仿形加工
 - 2.使用率: ★★★★★
 - 3.经济性: ★★★
 4. ISO通用刀片



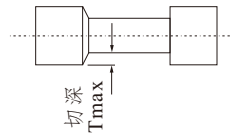
本图例为右手刀 (R) RIGHT HAND SHOWN

型号 MODEL NO.		尺寸 mm					螺钉	扳手	刀片型号		
正刀	反刀	H h	B	L	L1	F					
SVJCR	1010K11F	SVJCL	1010K11F	10	10	125	20	10.5	MS2560	T8	VC..1103..
	1212K11F	1212K11F	12	12	125	20	12.5				
SVJBR	1616M16F	SVJBL	1616M16F	16	16	125	20	16.5	MS4080	T15	VB..1604..
	2020M16F	2020M16F	20	20	125	30	20.5				

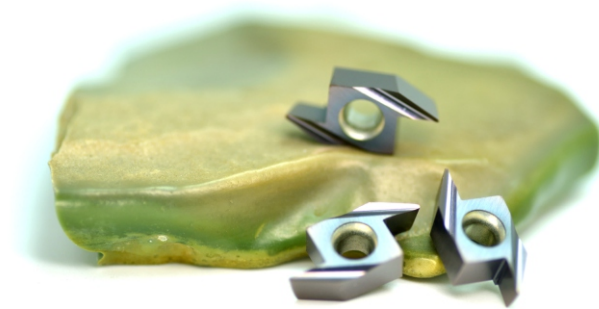
ABS Turning insert

-微小零件后阶段加工

Turning insert Machining of post stage processing



加工示意图



特点:

刃口锋利, 铁屑控制好,
后阶段加工加工槽型;

被加工对象:

- 不锈钢, 钛合金, 高温合金, 淬火钢, 碳钢。
- KP4130: 通用加工材质, 中低速加工;
- KP1120: 易车铁及软钢加工材质, 低速加工;
- KP8130: 钛合金, 不锈钢, 高温合金及钢件加工;
- CW20(金属陶瓷): 碳钢连续加工。

Feature:

Sharp edge, well chip breaking, covering both superfinishing .

Application:

Stainless steel, Titanium alloy, Heat resisting alloy,
Hardened steel, Low-carbon steel.

KP4130: General processing materials, Low speed machining.

KP1120: Low carbon steel processing, Low speed machining.

KP8130: Titanium alloy, Stainless steel, Heat resisting alloy, steel;

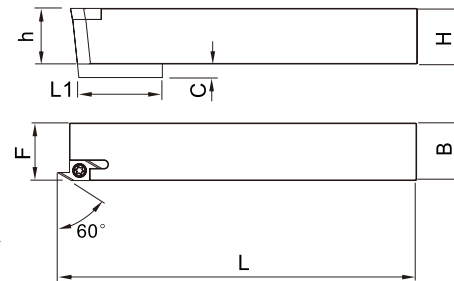
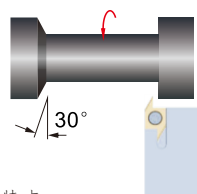
CW20: Continuous processing of carbon steel.

		PVD				加工参数 parameters	
		KP4130	KP1120	KP8130	CW20	Vc (mm/min)	
工件材质	P 软钢及钢件精加工 Steel	✳	✳	✳		50-120-180	
	M 不锈钢 Stainless steel	✳	✳	✳		30-100-150	
	S 钛合金 Titanium alloy	✳	✳	✳		40-60-80	
	S 耐热合金 Heat-resisting steel			✳		40-60-80	
	N 有色金属 Nonferrous metal				✳	200-300-400	
常用型号规格		切深X切宽 TXB	R	断屑槽对应表			
ABS15R4005		4X2.8	0.05	✳	✳	✳	✳
ABS15R4015		4X2.8	0.15	✳	✳	✳	✳
ABW15R4005		4X4.7	0.05	✳	✳	✳	✳
ABW15R4015		4X4.7	0.15	✳	✳	✳	✳

注: 选配刀杆为SABSRXXXXJX-40F

SABSR/L 型刀杆

后扫加工(后阶段加工)



- 特点:
- 1.用途: 直插后阶段加工
 - 2.使用率: ★★★★★
 - 3.经济性: ★★★★★
 - 4.最大切深4.0mm, 同京瓷的同款:

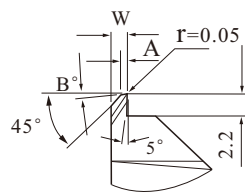
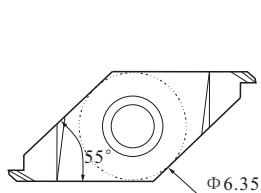
本图例为右手刀 (R) RIGHT HAND SHOWN

型号 MODEL NO.		尺寸 mm							螺钉 	扳手 	刀片 型号
 正刀	 反刀	H	B	L	L1	F	C				
0808K-40F	0808K-40F	8	8	125	29	10	2	MS3080	T10	ABS15R/L..	
1010K-40F	1010K-40F	10	10	125	29	10	-				
SABSR 1212K-40F	SABSL 1212K-40F	12	12	125	29	10	-				
1616M-40F	1616M-40F	16	16	125	29	10	-				
2020K-40F	2020K-40F	20	20	125	29	10	-				

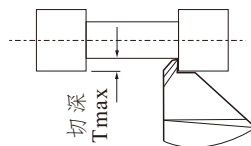
DCBR/L-XXV Turning insert

-微小零件加工车削刀片 后阶段加工

Turning insert Machining of Post stage processing



俯视刀尖图



加工示意图

特点:

刃口锋利, 铁屑控制好, 超精加工槽型;

被加工对象:

不锈钢, 钛合金, 高温合金, 淬火钢, 碳钢。

KP4130: 通用加工材质, 中低速加工;

KP8130: 通用加工材质, 中高速加工;

KP4430F: 钛合金, 不锈钢, 高温合金及钢件加工;

Feature:

Sharp edge, well chip breaking, covering both superfinishing.

Application:

Stainless steel, Titanium alloy, Heat resisting alloy,

Hardened steel, Low-carbon steel.

KP4130: General processing materials, Low speed machining.

KP8130: General processing materials, High speed machining.

KP4430F: Titanium alloy, Stainless steel, Heat resisting alloy, steel;

正角刀片 Positive turning

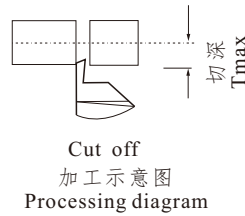
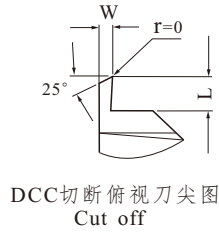
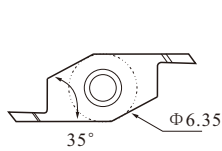
		PVD			加工参数 parameters
		KP4130	KP8130	KP4430F	
工件 材 质	P 软钢及钢件精加工 Steel	✦	✦	✦	V _c (mm/min)
	M 不锈钢 Stainless steel	✦	✦	✦	50-120-180
	S 钛合金 Titanium alloy	✦	✦	✦	30-100-150
	S 耐热合金 Heat-resisting steel			✦	40-60-80
	N 有色金属 Nonferrous metal				40-60-80
					200-300-400
常用型号规格		W	刀尖 AXB°	Tmax	断屑槽对应表
DCB07 R/L 100 V		1.0	0.3X8°	2.0	NTK: CSVB-VB -VB-A -VB-C -VB-M
DCB07 R/L 100 V-A		1.0	0.3X5°	2.0	
DCB07 R/L 100 V-C		1.0	0.15X8°	2.0	
DCB07 R/L 100 V-M		1.0	0.15X5°	2.0	
DCB07 R/L 120 V		1.2	0.3X8°	2.0	
DCB07 R/L 150 V		1.5	0.3X8°	2.0	

注: 选配刀杆为SDJCR/LXXXX-07

VAC R/L-VXX Turning insert

-微小零件切断加工

Turning insert of Cut off processing



特点:

刃口锋利，铁屑控制好，超精加工槽型；

被加工对象:

不锈钢，钛合金，高温合金，淬火钢，碳钢。

KP4130: 通用加工材质，中低速加工。

KP1120: 易车铁及软钢加工材质，低速加工；

KP8130: 通用加工材质，中高速加工。

CW20(硬质合金): 有色金属加工。

Feature:

Sharp edge, well chip breaking, covering both superfinishing.

Application:

Stainless steel, Titanium alloy, Heat resisting alloy,

Hardened steel, Low-carbon steel.

KP2130: General processing materials, Low speed machining.

KP1120: Low carbon steel processing, Low speed machining.

KP8130: General processing materials, High speed machining.

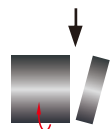
CW20: Non ferrous metal processing.

		PVD				合金	加工参数 parameters Vc (mm/min)
		KP4130	KP1120	KP8130	CW20		
工件 材 质	P 软钢及钢件精加工 Steel	✱	✱	✱			50-120-180
	M 不锈钢 Stainless steel	✱	✱	✱			30-100-150
	S 钛合金 Titanium alloy	✱	✱	✱			40-60-80
	S 耐热合金 Heat-resisting steel			✱			40-60-80
	N 有色金属 Nonferrous metal				✱		200-300-400
常用型号规格		W	Tmax				断屑槽对应表
VAC11 R/L V05		0.5	2.5	✱	✱	✱	NTK: CSV-
VAC11 R/L V06		0.6	3.0	✱	✱	✱	
VAC11 R/L V07		0.7	3.5	✱	✱	✱	
VAC11 R/L V08		0.8	4.0	✱	✱	✱	
VAC11 R/L V10		1.0	5.0	✱	✱	✱	
VAC11 R/L V12		1.2	6.0	✱	✱	✱	

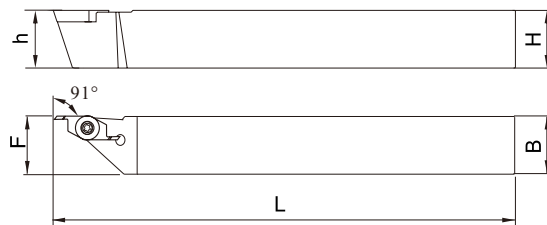
注：选配刀杆为SVEAR/LXXXX-11

SVEAR/ L-F 刀杆

及自动车床切断



小零件切断



本图例为左手刀(L)LIGHT HAND SHOWN

型号 MODEL NO.		尺寸 mm				螺钉	扳手	刀片 型号
正刀	反刀	H h	B	L	F			
SVEAR 070711F	SVEAL 70711F	7	7	100	7.2	MS2560	T8	VAC11 R/L
080811F	080811F	8	8	100	8.2			
SVEAR 1010K11F	SVEAL 1010K11F	10	10	125	10.2	MS2560	T8	VAC11 R/L
1212K11F	1212K11F	12	12	125	12.2			

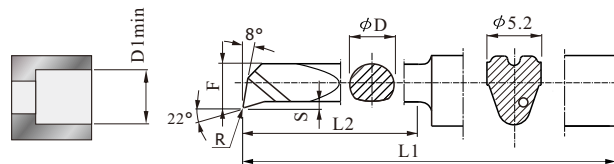
CBAR/L

8° 整体合金极小径镗刀

特点:

- 1. 非常好的夹持力，刚性强；
- 2. 双内冷孔，一个负责冷却，另一个负责排铁屑；
- 3. 刃口锋利，切削阻力小。

- 1. Strong clamping force Good rigidity.
- 2. With Two internal cooling,
Excellent Processing Performance;
- 3. Sharp edge, Small cutting resistance.

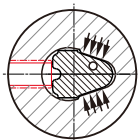


CBAR

工件材料	P 钢 Steel	✱	✱	✱
	P 高硬度钢 HRC35-60 Steel	●	●	
	M 不锈钢 Stainless steel	✱	✱	✱
	S 钛合金和可伐合金 Titanium alloy		✱	✱
	N 有色金属 Nonferrous metal			✱
	S 耐热合金 Heat-resisting steel		✱	✱

本图例为右手刀(R)RIGHT HAND SHOWN

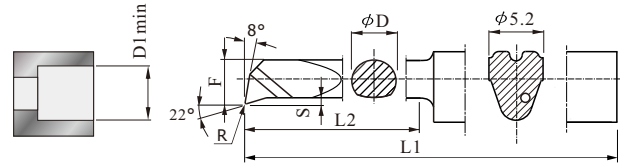
夹持力强
刚性好
Strong clamping force
Good rigidity



型号 MODEL NO.		尺寸 mm									PVD涂层				合金
正刀	反刀	F	φD	S	L2	L1	R	最小加工直径 D1min	推荐加工深度 max	KP1120	KP4130	KP8130	CW20		
CBAR	100050R005	100050R005	0.9	0.7	0.3	5	25	0.05	1	5	●	●	●	●	
	100050R010	100050R010	0.9	0.7	0.3	5	25	0.10	1	5	●	●	●	●	
	150080R005	150080R005	1.4	1.2	0.3	8	25	0.05	1.5	8	●	●	●	●	
	150080R010	150080R010	1.4	1.2	0.3	8	25	0.10	1.5	8	●	●	●	●	
	200090R005	200090R005	1.9	1.7	0.3	9	25	0.05	2	9	●	●	●	●	
	200120R005	200120R005	1.9	1.7	0.3	12	30	0.05	2	12	●	●	●	●	
	200090R010	200090R010	1.9	1.7	0.3	9	25	0.10	2	9	●	●	●	●	
	200120R010	200120R010	1.9	1.7	0.3	12	30	0.10	2	12	●	●	●	●	

CBAR/L

8° 整体合金极小径镗刀



CBAR

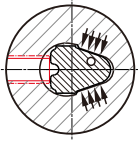
特点:

1. 非常好的夹持力, 刚性强;
 2. 双内冷孔, 一个负责冷却, 另一个负责排铁屑;
 3. 刃口锋利, 切削阻力小。
1. Strong clamping force Good rigidity.
2. With Two internal cooling,
Excellent Processing Performance;
3. Sharp edge, Small cutting resistance.

本图例为右手刀(R)RIGHT HAND SHOWN

工件 材 质	P	钢 Steel	✱	✱	✱	
	P	高硬度钢 HRC35-60 Steel		●	●	
	M	不锈钢 Stainless steel	✱	✱	✱	
	S	钛合金和可伐合金 Titanium alloy		✱	✱	
	N	有色金属 Nonferrous metal				✱
	S	耐热合金 Heat-resisting steel		✱	✱	

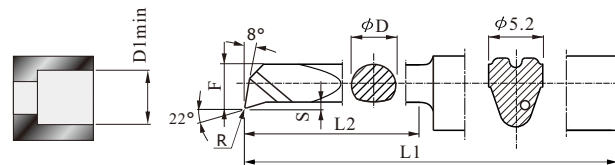
夹持力强
刚性好
Strong clamping force
Good rigidity



型号 MODEL NO.		尺寸 mm									PVD涂层				合金
正刀	反刀	F	ΦD	S	L2	L1	R	最小加工直径 D1min	推荐加工深度 max	KP1120	KP4130	KP8130	CW20		
250100R005	250100R005	2.3	2.1	0.3	10	25	0.05	2.5	10	●	●	●	●		
250150R005	250150R005	2.3	2.1	0.3	15	30	0.05	2.5	15	●	●	●	●		
250100R010	250100R010	2.3	2.1	0.3	10	25	0.10	2.5	10	●	●	●	●		
250150R010	250150R010	2.3	2.1	0.3	15	30	0.10	2.5	15	●	●	●	●		
300100R005	300100R005	2.7	2.4	0.4	10	25	0.05	3	10	●	●	●	●		
300150R005	300150R005	2.7	2.4	0.4	15	30	0.05	3	15	●	●	●	●		
CBAR 300200R005	CBAL 300200R005	2.7	2.4	0.4	20	35	0.05	3	20	●	●	●	●		
300100R010	300100R010	2.7	2.4	0.4	10	25	0.10	3	10	●	●	●	●		
300150R010	300150R010	2.7	2.4	0.4	15	30	0.10	3	15	●	●	●	●		
300200R010	300200R010	2.7	2.4	0.4	20	35	0.10	3	20	●	●	●	●		
300100R020	300100R020	2.7	2.4	0.4	10	25	0.20	3	10	●	●	●	●		
300150R020	300150R020	2.7	2.4	0.4	15	30	0.20	3	15	●	●	●	●		
300200R020	300200R020	2.7	2.4	0.4	20	35	0.20	3	20	●	●	●	●		

CBAR/L

8° 整体合金极小径镗刀



CBAR

特点:

- 1. 非常好的夹持力，刚性强;
- 2. 双内冷孔，一个负责冷却，另一个负责排铁屑;
- 3. 刃口锋利，切削阻力小。

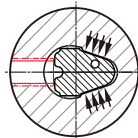
- 1. Strong clamping force Good rigidity.
- 2. With Two internal cooling,
Excellent Processing Performance;
- 3. Sharp edge, Small cutting resistance.

工件材料	P	钢 Steel	✱	✱	✱	
	P	高硬度钢 HRC35-60 Steel		●	●	
	M	不锈钢 Stainless steel	✱	✱	✱	
	S	钛合金和可伐合金 Titanium alloy		✱	✱	
	N	有色金属 Nonferrous metal				✱
	S	耐热合金 Heat-resisting steel		✱	✱	

本图例为右手刀(R)RIGHT HAND SHOWN

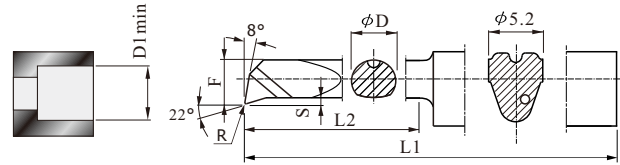
型号 MODEL NO.		尺寸 mm								PVD涂层				合金
正刀	反刀	F	ΦD	S	L2	L1	R	最小加工直径 D1min	推荐加工深度 max	KP1120	KP4130	KP8130	CW20	
350100R005	350100R005	3.2	2.7	0.6	10	25	0.05	3.5	10	●	●	●	●	
350150R005	350150R005	3.2	2.7	0.6	15	30	0.05	3.5	15	●	●	●	●	
350200R005	350200R005	3.2	2.7	0.6	20	35	0.05	3.5	18	●	●	●	●	
350100R010	350100R010	3.2	2.7	0.6	10	25	0.10	3.5	10	●	●	●	●	
350150R010	350150R010	3.2	2.7	0.6	15	30	0.10	3.5	15	●	●	●	●	
350200R010	350200R010	3.2	2.7	0.6	20	35	0.10	3.5	20	●	●	●	●	
400150R005	400150R005	3.7	3.0	0.8	15	30	0.05	4	15	●	●	●	●	
400200R005	400200R005	3.7	3.0	0.8	20	35	0.05	4	20	●	●	●	●	
400150R010	400150R010	3.7	3.0	0.8	15	30	0.10	4	15	●	●	●	●	
400200R010	400200R010	3.7	3.0	0.8	20	35	0.10	4	20	●	●	●	●	
400150R020	400150R020	3.7	3.0	0.8	15	30	0.20	4	15	●	●	●	●	
400200R020	400200R020	3.7	3.0	0.8	20	35	0.20	4	20	●	●	●	●	

夹持力强
刚性好
Strong clamping force
Good rigidity



CBAR/L

8° 整体合金极小径镗刀



CBAR

特点:

1. 非常好的夹持力，刚性强;
2. 双内冷孔，一个负责冷却，另一个负责排铁屑;
3. 刃口锋利，切削阻力小。

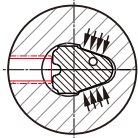
1. Strong clamping force Good rigidity.
2. With Two internal cooling, Excellent Processing Performance;
3. Sharp edge, Small cutting resistance.

本图例为右手刀(R)RIGHT HAND SHOWN

工件材质	P	钢 Steel	✱	✱	✱	
	P	高硬度钢 HRC35-60 Steel		●	●	
	M	不锈钢 Stainless steel	✱	✱	✱	
	S	钛合金和可伐合金 Titanium alloy		✱	✱	
	N	有色金属 Nonferrous metal				✱
	S	耐热合金 Heat-resisting steel		✱	✱	

型号 MODEL NO.		尺寸 mm									PVD涂层				合金
正刀	反刀	F	ΦD	S	L2	L1	R	最小加工直径 D1min	推荐加工深度 max	KP1120	KP4130	KP8130	CW20		
600150R005	600150R005	5.7	4.7	1.1	15	30	0.05	6	15	●	●	●	●		
600200R005	600200R005	5.7	4.7	1.1	20	35	0.05	6	20	●	●	●	●		
600250R005	600250R005	5.7	4.7	1.1	25	40	0.05	6	25	●	●	●	●		
600300R005	600300R005	5.7	4.7	1.1	30	45	0.05	6	30	●	●	●	●		
600150R020	600150R020	5.7	4.7	1.1	15	30	0.20	6	15	●	●	●	●		
600200R020	600200R020	5.7	4.7	1.1	20	35	0.20	6	20	●	●	●	●		
CBAR 600250R020	CBAL 600250R020	5.7	4.7	1.1	25	40	0.20	6	25	●	●	●	●		
600300R020	600300R020	5.7	4.7	1.1	30	45	0.20	6	30	●	●	●	●		
680200R005	680200R005	6.4	5.2	1.3	20	35	0.05	6.8	20	●	●	●	●		
680250R005	680250R005	6.4	5.2	1.3	25	40	0.05	6.8	25	●	●	●	●		
680300R005	680300R005	6.4	5.2	1.3	30	45	0.05	6.8	30	●	●	●	●		
680200R020	680200R020	6.4	5.2	1.3	20	35	0.20	6.8	20	●	●	●	●		
680250R020	680250R020	6.4	5.2	1.3	25	40	0.20	6.8	25	●	●	●	●		
680300R020	680300R020	6.4	5.2	1.3	30	45	0.20	6.8	30	●	●	●	●		

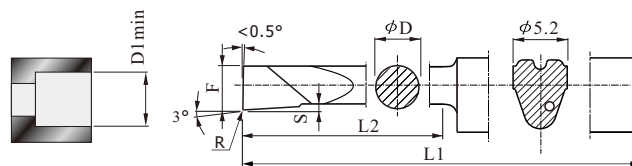
夹持力强
刚性好
Strong clamping force
Good rigidity



CBBR/L

0° 整体合金极小径镗刀

用于精加工 For finishing



CBBR

特点:

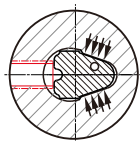
1. 非常好的夹持力，刚性强;
2. 双内冷孔，一个负责冷却，另一个负责排铁屑;
3. 刃口锋利，切削阻力小。

1. Strong clamping force Good rigidity.
2. With Two internal cooling,
Excellent Processing Performance;
3. Sharp edge, Small cutting resistance.

工 件 材 质	P 钢 Steel	✱	✱	✱	
	P 高硬度钢 HRC35-60 Steel		●	●	
	M 不锈钢 Stainless steel	✱	✱	✱	
	S 钛合金和可伐合金 Titanium alloy		✱	✱	
	N 有色金属 Nonferrous metal				✱
	S 耐热合金 Heat-resisting steel		✱	✱	

本图例为右手刀(R)RIGHT HAND SHOWN

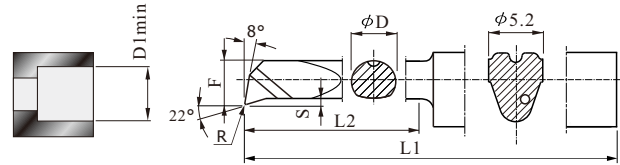
夹持力强
刚性好
Strong clamping force
Good rigidity



型号 MODEL NO.		尺寸 mm									PVD涂层			合金
正刀	反刀	F	ΦD	S	L2	L1	R	最小加工直径 D1min	推荐加工深度 max	KP1120	KP4130	KP8130	CW20	
100050R003	100050R003	0.9	0.75	0.15	5	25	0.03	1	5	●	●	●	●	
100050R010	100050R010	0.9	0.75	0.15	5	25	0.10	1	5	●	●	●	●	
150080R003	150080R003	1.4	1.2	0.2	8	25	0.03	1.5	8	●	●	●	●	
150080R010	150080R010	1.4	1.2	0.2	8	25	0.10	1.5	8	●	●	●	●	
200090R003	200090R003	1.9	1.7	0.2	9	25	0.03	2	9	●	●	●	●	
200120R003	200120R003	1.9	1.7	0.2	12	30	0.03	2	12	●	●	●	●	
200090R010	200090R010	1.9	1.7	0.2	9	25	0.10	2	9	●	●	●	●	
200120R010	200120R010	1.9	1.7	0.2	12	30	0.10	2	12	●	●	●	●	

CBAR/L

8° 整体合金极小径镗刀



CBAR

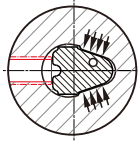
特点:

- 1. 非常好的夹持力，刚性强;
 - 2. 双内冷孔，一个负责冷却，另一个负责排铁屑;
 - 3. 刃口锋利，切削阻力小。
1. Strong clamping force Good rigidity.
2. With Two internal cooling,
Excellent Processing Performance;
3. Sharp edge, Small cutting resistance.

本图例为右手刀(R)RIGHT HAND SHOWN

工件材料	P 钢 Steel	✱	✱	✱	
	P 高硬度钢 HRC35-60 Steel		●	●	
	M 不锈钢 Stainless steel	✱	✱	✱	
	S 钛合金和可伐合金 Titanium alloy		✱	✱	
	N 有色金属 Nonferrous metal				✱
S 耐热合金 Heat-resisting steel		✱	✱		

夹持力强
刚性好
Strong clamping force
Good rigidity

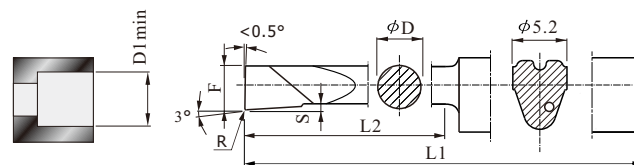


型号 MODEL NO.		尺寸 mm									PVD涂层				合金
正刀	反刀	F	ΦD	S	L2	L1	R	最小加工直径 D1min	推荐加工深度 max	KP1120	KP4130	KP8130	CW20		
500150R005	500150R005	4.7	4.0	0.8	15	30	0.05	5	15	●	●	●	●		
500200R005	500200R005	4.7	4.0	0.8	20	35	0.05	5	20	●	●	●	●		
500250R005	500250R005	4.7	4.0	0.8	25	40	0.05	5	25	●	●	●	●		
500300R005	500300R005	4.7	4.0	0.8	30	45	0.05	5	30	●	●	●	●		
500150R010	500150R010	4.7	4.0	0.8	15	30	0.10	5	15	●	●	●	●		
500200R010	500200R010	4.7	4.0	0.8	20	35	0.10	5	20	●	●	●	●		
500250R010	500250R010	4.7	4.0	0.8	25	40	0.10	5	25	●	●	●	●		
500300R010	500300R010	4.7	4.0	0.8	30	45	0.10	5	30	●	●	●	●		
500150R020	500150R020	4.7	4.0	0.8	15	30	0.20	5	15	●	●	●	●		
500200R020	500200R020	4.7	4.0	0.8	20	35	0.20	5	20	●	●	●	●		
500250R020	500250R020	4.7	4.0	0.8	25	40	0.20	5	25	●	●	●	●		
500300R020	500300R020	4.7	4.0	0.8	30	45	0.20	5	30	●	●	●	●		

CBBR/L

0° 整体合金极小径镗刀

用于精加工 For finishing



CBBR

特点:

1. 非常好的夹持力, 刚性强;
2. 双内冷孔, 一个负责冷却, 另一个负责排铁屑;
3. 刃口锋利, 切削阻力小。

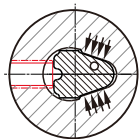
1. Strong clamping force Good rigidity.
2. With Two internal cooling,
Excellent Processing Performance;
3. Sharp edge, Small cutting resistance.

本图例为右手刀(R)RIGHT HAND SHOWN

工件材质	P	钢 Steel	✱	✱	✱	
	P	高硬度钢 HRC35-60 Steel		●	●	
	M	不锈钢 Stainless steel	✱	✱	✱	
	S	钛合金和可伐合金 Titanium alloy		✱	✱	
	N	有色金属 Nonferrous metal				✱
	S	耐热合金 Heat-resisting steel		✱	✱	

型号 MODEL NO.		尺寸 mm									PVD涂层				合金
正刀	反刀	F	ϕD	S	L2	L1	R	最小加工直径 D1min	推荐加工深度 max	KP1120	KP4130	KP8130	CW20		
250100R005	250100R005	2.3	2.1	0.2	10	25	0.05	2.5	10	●	●	●	●		
250150R005	250150R005	2.3	2.1	0.2	15	30	0.05	2.5	15	●	●	●	●		
250100R010	250100R010	2.3	2.1	0.2	10	25	0.10	2.5	10	●	●	●	●		
250150R010	250150R010	2.3	2.1	0.2	15	30	0.10	2.5	15	●	●	●	●		
300100R005	300100R005	2.7	2.4	0.3	10	25	0.05	3	10	●	●	●	●		
300150R005	300150R005	2.7	2.4	0.3	15	30	0.05	3	15	●	●	●	●		
CBBR 300200R005	CBBL 300200R005	2.7	2.4	0.3	20	35	0.05	3	20	●	●	●	●		
300100R010	300100R010	2.7	2.4	0.3	10	25	0.10	3	10	●	●	●	●		
300150R010	300150R010	2.7	2.4	0.3	15	30	0.10	3	15	●	●	●	●		
300200R010	300200R010	2.7	2.4	0.3	20	35	0.10	3	20	●	●	●	●		
300100R020	300100R020	2.7	2.4	0.3	10	25	0.20	3	10	●	●	●	●		
300150R020	300150R020	2.7	2.4	0.3	15	30	0.20	3	15	●	●	●	●		
300200R020	300200R020	2.7	2.4	0.3	20	35	0.20	3	20	●	●	●	●		

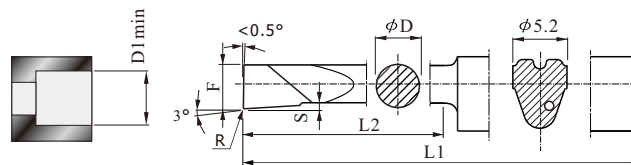
夹持力强
刚性好
Strong clamping force
Good rigidity



CBBR/L

0° 整体合金极小径镗刀

用于精加工 For finishing



CBBR

特点:

1. 非常好的夹持力，刚性强;
2. 双内冷孔,一个负责冷却, 另一个负责排铁屑;

3. 刃口锋利,切削阻力小。

1. Strong clamping force Good rigidity.

2. With Two internal cooling,

Excellent Processing Performance;

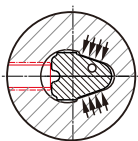
3. Sharp edge, Small cutting resistance.

工件材质	P	钢 Steel	✱	✱	✱	
	P	高硬度钢 HRC35-60 Steel		●	●	
	M	不锈钢 Stainless steel	✱	✱	✱	
	S	钛合金和可伐合金 Titanium alloy		✱	✱	
	N	有色金属 Nonferrous metal				✱
S	耐热合金 Heat-resisting steel		✱	✱		

本图例为右手刀(R)RIGHT HAND SHOWN

型号 MODEL NO.		尺寸 mm								PVD涂层 合金			
正刀	反刀	F	ΦD	S	L2	L1	R	最小加工直径 D1min		KP1120	KP4130	KP8130	CW20
350100R005	350100R005	3.2	2.8	0.4	10	25	0.05	3.5	10	●	●	●	●
350150R005	350150R005	3.2	2.8	0.4	15	30	0.05	3.5	15	●	●	●	●
350200R005	350200R005	3.2	2.8	0.4	20	35	0.05	3.5	20	●	●	●	●
350100R010	350100R010	3.2	2.8	0.4	10	25	0.10	3.5	10	●	●	●	●
350150R010	350150R010	3.2	2.8	0.4	15	30	0.10	3.5	15	●	●	●	●
350200R010	350200R010	3.2	2.8	0.4	20	35	0.10	3.5	20	●	●	●	●
CBBR 400150R005	CBBL 400150R005	3.7	3.2	0.5	15	30	0.05	4	15	●	●	●	●
400200R005	400200R005	3.7	3.2	0.5	20	35	0.05	4	20	●	●	●	●
400150R010	400150R010	3.7	3.2	0.5	15	30	0.10	4	15	●	●	●	●
400200R010	400200R010	3.7	3.2	0.5	20	35	0.10	4	20	●	●	●	●
400150R020	400150R020	3.7	3.2	0.5	15	30	0.20	4	15	●	●	●	●
400200R020	400200R020	3.7	3.2	0.5	20	35	0.20	4	20	●	●	●	●

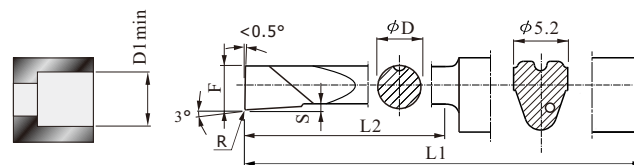
夹持力强
刚性好
Strong clamping force
Good rigidity



CBBR/L

0° 整体合金极小径镗刀

用于精加工 For finishing



CBBR

特点:

1. 非常好的夹持力，刚性强;
2. 双内冷孔,一个负责冷却，另一个负责排铁屑;
3. 刃口锋利,切削阻力小。

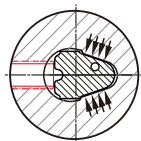
1. Strong clamping force Good rigidity.
2. With Two internal cooling,
Excellent Processing Performance;
3. Sharp edge, Small cutting resistance.

工件材质	P 钢 Steel	✳	✳	✳	
	P 高硬度钢 HRC35-60 Steel		●	●	
	M 不锈钢 Stainless steel	✳	✳	✳	
	S 钛合金和可伐合金 Titanium alloy		✳	✳	
	N 有色金属 Nonferrous metal				✳
S 耐热合金 Heat-resisting steel		✳	✳		

本图例为右手刀(R)RIGHT HAND SHOWN

型号 MODEL NO.		尺寸 mm									PVD涂层				合金
正刀	反刀	F	ΦD	S	L2	L1	R	最小加工直径 D1min	推荐加工深度 max	KP1120	KP4130	KP8130	CW20		
500150R005	500150R005	4.7	4.2	0.5	15	30	0.05	5	15	●	●	●	●		
500200R005	500200R005	4.7	4.2	0.5	20	35	0.05	5	20	●	●	●	●		
500250R005	500250R005	4.7	4.2	0.5	25	40	0.05	5	25	●	●	●	●		
500300R005	500300R005	4.7	4.2	0.5	30	45	0.05	5	30	●	●	●	●		
500150R010	500150R010	4.7	4.2	0.5	15	30	0.10	5	15	●	●	●	●		
500200R010	500200R010	4.7	4.2	0.5	20	35	0.10	5	20	●	●	●	●		
500250R010	500250R010	4.7	4.2	0.5	25	40	0.10	5	25	●	●	●	●		
500300R010	500300R010	4.7	4.2	0.5	30	45	0.10	5	30	●	●	●	●		
500150R020	500150R020	4.7	4.2	0.5	15	30	0.20	5	15	●	●	●	●		
500200R020	500200R020	4.7	4.2	0.5	20	35	0.20	5	20	●	●	●	●		
500250R020	500250R020	4.7	4.2	0.5	25	40	0.20	5	25	●	●	●	●		
500300R020	500300R020	4.7	4.2	0.5	30	45	0.20	5	30	●	●	●	●		

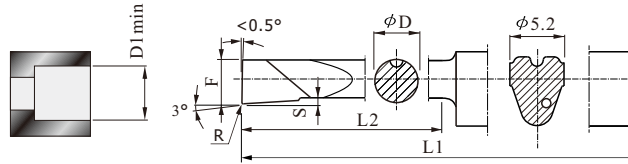
夹持力强
刚性好
Strong clamping force
Good rigidity



CBBR/L

0° 整体合金极小径镗刀

用于精加工 For finishing



CBBR

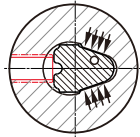
特点:

1. 非常好的夹持力，刚性强;
 2. 双内冷孔,一个负责冷却, 另一个负责排铁屑;
 3. 刃口锋利,切削阻力小。
1. Strong clamping force Good rigidity.
2. With Two internal cooling, Excellent Processing Performance;
3. Sharp edge, Small cutting resistance.

本图例为右手刀(R)RIGHT HAND SHOWN

工件材质	P	钢 Steel	✱	✱	✱	
	P	高硬度钢 HRC35-60 Steel		●	●	
	M	不锈钢 Stainless steel	✱	✱	✱	
	S	钛合金和可伐合金 Titanium alloy		✱	✱	
	N	有色金属 Nonferrous metal				✱
	S	耐热合金 Heat-resisting steel		✱	✱	

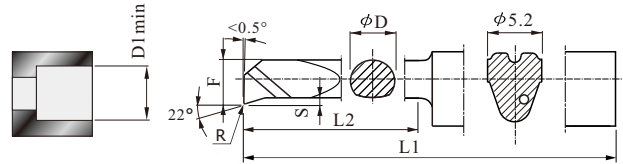
夹持力强
刚性好
Strong clamping force
Good rigidity



型号 MODEL NO.		尺寸 mm									PVD涂层				合金
正刀	反刀	F	ϕD	S	L2	L1	R	最小加工直径 D1min	推荐加工深度 max	KP1120	KP4130	KP8130	CW20		
600150R005	600150R005	5.7	5.2	0.5	15	30	0.05	6	15	●	●	●	●		
600200R005	600200R005	5.7	5.2	0.5	20	35	0.05	6	20	●	●	●	●		
600250R005	600250R005	5.7	5.2	0.5	25	40	0.05	6	25	●	●	●	●		
600300R005	600300R005	5.7	5.2	0.5	30	45	0.05	6	30	●	●	●	●		
600150R020	600150R020	5.7	5.2	0.5	15	30	0.20	6	15	●	●	●	●		
600200R020	600200R020	5.7	5.2	0.5	20	35	0.20	6	20	●	●	●	●		
600250R020	600250R020	5.7	5.2	0.5	25	40	0.20	6	25	●	●	●	●		
600300R020	600300R020	5.7	5.2	0.6	30	45	0.20	6	30	●	●	●	●		
680200R005	680200R005	6.4	5.8	0.6	20	35	0.05	6.8	20	●	●	●	●		
680250R005	680250R005	6.4	5.8	0.6	25	40	0.05	6.8	25	●	●	●	●		
680300R005	680300R005	6.4	5.8	0.6	30	45	0.05	6.8	30	●	●	●	●		
680200R020	680200R020	6.4	5.8	0.6	20	35	0.20	6.8	20	●	●	●	●		
680250R020	680250R020	6.4	5.8	0.6	25	40	0.20	6.8	25	●	●	●	●		
680300R020	680300R020	6.4	5.8	0.6	30	45	0.20	6.8	30	●	●	●	●		

CBCR/L

0° 整体合金极小径镗刀



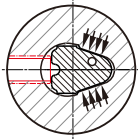
CBCR

特点:

1. 非常好的夹持力，刚性强;
2. 双内冷孔，一个负责冷却，另一个负责排铁屑;
3. 刃口锋利，切削阻力小。

1. Strong clamping force Good rigidity.
2. With Two internal cooling, Excellent Processing Performance;
3. Sharp edge, Small cutting resistance.

夹持力强
刚性好
Strong clamping force
Good rigidity



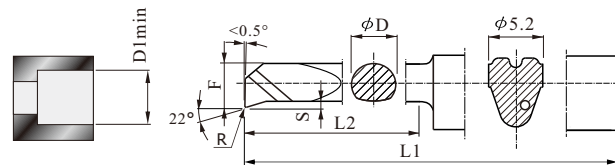
本图例为右手刀(R)RIGHT HAND SHOWN

工件材质	P 钢 Steel	✱	✱	✱	
	P 高硬度钢 HRC35-60 Steel		●	●	
	M 不锈钢 Stainless steel	✱	✱	✱	
	S 钛合金和可伐合金 Titanium alloy		✱	✱	
	N 有色金属 Nonferrous metal				✱
	S 耐热合金 Heat-resisting steel		✱	✱	

型号 MODEL NO.		尺寸 mm								PVD涂层 合金			
正刀	反刀	F	ΦD	S	L2	L1	R	最小加工直径 D1min	推荐加工深度 max	KP1120	KP4130	KP8130	CW20
250100R005	250100R005	2.3	2.1	0.3	10	25	0.05	2.5	10	●	●	●	●
250150R005	250150R005	2.3	2.1	0.3	15	30	0.05	2.5	15	●	●	●	●
250100R010	250100R010	2.3	2.1	0.3	10	25	0.10	2.5	10	●	●	●	●
250150R010	250150R010	2.3	2.1	0.3	15	30	0.10	2.5	15	●	●	●	●
300100R005	300100R005	2.7	2.4	0.4	10	25	0.05	3	10	●	●	●	●
300150R005	300150R005	2.7	2.4	0.4	15	30	0.05	3	15	●	●	●	●
CBCR 300200R005	CBCL 300200R005	2.7	2.4	0.4	20	35	0.05	3	20	●	●	●	●
300100R010	300100R010	2.7	2.4	0.4	10	25	0.10	3	10	●	●	●	●
300150R010	300150R010	2.7	2.4	0.4	15	30	0.10	3	15	●	●	●	●
300200R010	300200R010	2.7	2.4	0.4	20	35	0.10	3	20	●	●	●	●
300100R020	300100R020	2.7	2.4	0.4	10	25	0.20	3	10	●	●	●	●
300150R020	300150R020	2.7	2.4	0.4	15	30	0.20	3	15	●	●	●	●
300200R020	300200R020	2.7	2.4	0.4	20	35	0.20	3	20	●	●	●	●

CBCR/L

8° 整体合金极小径镗刀



CBCR

特点:

1. 非常好的夹持力, 刚性强;
2. 双内冷孔, 一个负责冷却, 另一个负责排铁屑;
3. 刃口锋利, 切削阻力小。

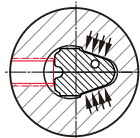
1. Strong clamping force Good rigidity.
2. With Two internal cooling,
Excellent Processing Performance;
3. Sharp edge, Small cutting resistance.

本图例为右手刀(R)RIGHT HAND SHOWN

工件 材 质	P	钢 Steel	✱	✱	✱	
	P	高硬度钢 HRC35-60 Steel		●	●	
	M	不锈钢 Stainless steel	✱	✱	✱	
	S	钛合金和可伐合金 Titanium alloy		✱	✱	
	N	有色金属 Nonferrous metal				✱
	S	耐热合金 Heat-resisting steel		✱	✱	

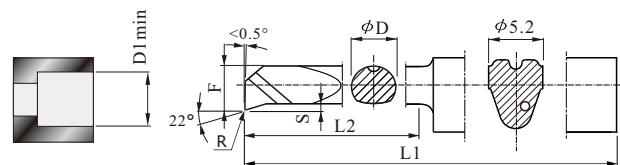
型号 MODEL NO.		尺寸 mm								PVD涂层				合金
正刀	反刀	F	ΦD	S	L2	L1	R	最小加工直径 D1min	推荐加工深度 max	KP1120	KP4130	KP8130	CW20	
350100R005	350100R005	3.2	2.7	0.6	10	25	0.05	3.5	10	●	●	●	●	
350150R005	350150R005	3.2	2.7	0.6	15	30	0.05	3.5	15	●	●	●	●	
350180R005	350180R005	3.2	2.7	0.6	18	35	0.05	3.5	18	●	●	●	●	
350100R010	350100R010	3.2	2.7	0.6	10	25	0.10	3.5	10	●	●	●	●	
350150R010	350150R010	3.2	2.7	0.6	15	30	0.10	3.5	15	●	●	●	●	
350200R010	350200R010	3.2	2.7	0.6	20	35	0.10	3.5	20	●	●	●	●	
400150R005	400150R005	3.7	3.0	0.8	15	30	0.05	4	15	●	●	●	●	
400200R005	400200R005	3.7	3.0	0.8	20	35	0.05	4	20	●	●	●	●	
400150R010	400150R010	3.7	3.0	0.8	15	30	0.10	4	15	●	●	●	●	
400200R010	400200R010	3.7	3.0	0.8	20	35	0.10	4	20	●	●	●	●	
400150R020	400150R020	3.7	3.0	0.8	15	30	0.20	4	15	●	●	●	●	
400200R020	400200R020	3.7	3.0	0.8	20	35	0.20	4	20	●	●	●	●	

夹持力强
刚性好
Strong clamping force
Good rigidity



CBCR/L

0° 整体合金极小径镗刀



CBCR

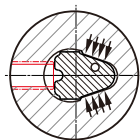
特点:

1. 非常好的夹持力，刚性强;
 2. 双内冷孔，一个负责冷却，另一个负责排铁屑;
 3. 刃口锋利，切削阻力小。
1. Strong clamping force Good rigidity.
2. With Two internal cooling, Excellent Processing Performance;
3. Sharp edge, Small cutting resistance.

本图例为右手刀(R)RIGHT HAND SHOWN

型号 MODEL NO.		尺寸 mm									PVD涂层				合金
正刀	反刀	F	ΦD	S	L2	L1	R	最小加工直径 D1min	推荐加工深度 max	KP1120	KP4130	KP8130	CW20		
500150R010	500150R010	4.7	4.2	0.8	15	30	0.10	5	15	●	●	●	●		
500200R010	500200R010	4.7	4.2	0.8	20	35	0.10	5	20	●	●	●	●		
500250R010	500250R010	4.7	4.2	0.8	25	40	0.10	5	25	●	●	●	●		
500300R010	500300R010	4.7	4.2	0.8	30	45	0.10	5	30	●	●	●	●		
500150R020	500150R020	4.7	4.2	0.8	15	30	0.20	5	15	●	●	●	●		
500200R020	500200R020	4.7	4.2	0.8	20	35	0.20	5	20	●	●	●	●		
500250R020	500250R020	4.7	4.2	0.8	25	40	0.20	5	25	●	●	●	●		
CBCR 500300R020	CBCL 500300R020	4.7	4.2	0.8	30	45	0.20	5	30	●	●	●	●		
600150R010	600150R010	5.7	5	1	15	30	0.10	6	15	●	●	●	●		
600200R010	600200R010	5.7	5	1	20	35	0.10	6	20	●	●	●	●		
600250R010	600250R010	5.7	5	1	25	40	0.10	6	25	●	●	●	●		
600300R010	600300R010	5.7	5	1	30	45	0.10	6	30	●	●	●	●		
600150R020	600150R020	5.7	5	1	15	30	0.20	6	15	●	●	●	●		
600200R020	600200R020	5.7	5	1	20	35	0.20	6	20	●	●	●	●		
600250R020	600250R020	5.7	5	1	25	40	0.20	6	25	●	●	●	●		
600300R020	600300R020	5.7	5	1	30	45	0.20	6	30	●	●	●	●		

夹持力强
刚性好
Strong clamping force
Good rigidity

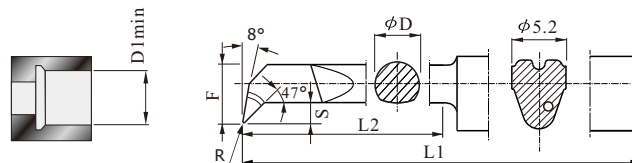


CBDR/L

8° 整体合金极小径镗刀

用于退刀槽加工

For cutter knife groove back

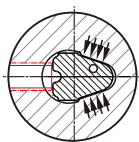


CBDR

特点:

1. 非常好的夹持力，刚性强;
 2. 双内冷孔，一个负责冷却，另一个负责排铁屑;
 3. 刃口锋利，切削阻力小。
1. Strong clamping force Good rigidity.
2. With Two internal cooling,
Excellent Processing Performance;
3. Sharp edge, Small cutting resistance.

夹持力强
刚性好
Strong clamping force
Good rigidity



工件材料	P	钢 Steel	✱	✱	✱	
	P	高硬度钢 HRC35-60 Steel		●	●	
	M	不锈钢 Stainless steel	✱	✱	✱	
	S	钛合金和可伐合金 Titanium alloy		✱	✱	
	N	有色金属 Nonferrous metal				✱
	S	耐热合金 Heat-resisting steel		✱	✱	

本图例为右手刀(R)RIGHT HAND SHOWN

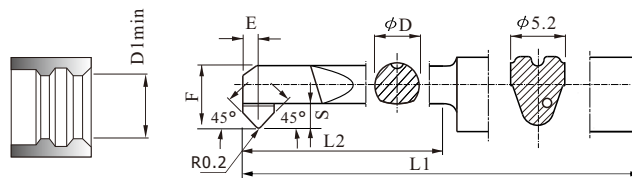
型号 MODEL NO.		尺寸 mm									PVD涂层			合金
正刀	反刀	F	ΦD	S	L2	L1	R	最小加工直径 D1min	推荐加工深度 max	KP1120	KP4130	KP8130	CW20	
200060R005	200060R005	1.9	1.5	0.5	6	30	0.05	2	6	●	●	●	●	
200090R005	200090R005	1.9	1.5	0.5	9	30	0.05	2	9	●	●	●	●	
300100R010	300100R010	2.6	2.0	0.7	10	30	0.10	3	10	●	●	●	●	
300150R010	300150R010	2.6	2.0	0.7	15	30	0.10	3	15	●	●	●	●	
400100R010	400100R010	3.7	2.9	0.9	10	30	0.10	4	10	●	●	●	●	
400200R010	400200R010	3.7	2.9	0.9	20	35	0.10	4	20	●	●	●	●	
500150R010	500150R010	4.7	3.7	1.1	15	30	0.10	5	15	●	●	●	●	
500250R010	500250R010	4.7	3.7	1.1	25	40	0.10	5	25	●	●	●	●	
600200R010	600200R010	5.7	4.7	1.1	15	30	0.10	6	15	●	●	●	●	
600300R010	600300R010	5.7	4.7	1.1	25	40	0.10	6	25	●	●	●	●	

CBER/L

8° 整体合金极小径镗刀

用于梯形槽加工

For cutter Trapezoidal groove



CBER

特点:

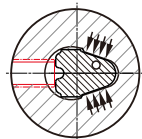
- 1. 非常好的夹持力，刚性强;
- 2. 双内冷孔，一个负责冷却，另一个负责排铁屑;
- 3. 刃口锋利，切削阻力小。

- 1. Strong clamping force Good rigidity.
- 2. With Two internal cooling,
Excellent Processing Performance;
- 3. Sharp edge, Small cutting resistance.

工件材料	P	钢 Steel	✱	✱	✱	
	P	高硬度钢 HRC35-60 Steel		●	●	
	M	不锈钢 Stainless steel	✱	✱	✱	
	S	钛合金和可伐合金 Titanium alloy		✱	✱	
	N	有色金属 Nonferrous metal				✱
	S	耐热合金 Heat-resisting steel		✱	✱	

本图例为右手刀(R)RIGHT HAND SHOWN

夹持力强
刚性好
Strong clamping force
Good rigidity



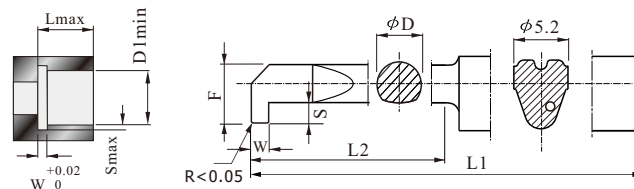
型号 MODEL NO.		尺寸 mm									PVD涂层			合金
正刀	反刀	F	ΦD	S	L2	L1	E	最小加工直径 D1min	推荐加工深度 max	KP1120	KP4130	KP8130	CW20	
		CBER 500150R020	CBEL 500150R020	4.7	3.6	1.2	15	30	1	5	15	●	●	●
600200R020	600200R020	6.4	4.8	1.7	20	35	1	7	20	●	●	●	●	

CBFR/L

整体合金极小径内槽刀

用于内径槽加工

For cutter inside groove



CBFR

特点:

1. 非常好的夹持力，刚性强;
2. 双内冷孔，一个负责冷却，另一个负责排铁屑;
3. 刃口锋利，切削阻力小。

1. Strong clamping force Good rigidity.

2. With Two internal cooling,

Excellent Processing Performance;

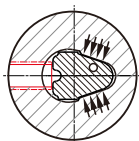
3. Sharp edge, Small cutting resistance.

工件材料	P	钢 Steel	✱	✱	✱	
	P	高硬度钢 HRC35-60 Steel		●	●	
	M	不锈钢 Stainless steel	✱	✱	✱	
	S	钛合金和可伐合金 Titanium alloy		✱	✱	
	N	有色金属 Nonferrous metal				✱
S	耐热合金 Heat-resisting steel		✱	✱		

本图例为右手刀(R)RIGHT HAND SHOWN

型号 MODEL NO.		尺寸 mm									PVD涂层			合金
正刀	反刀	F	ΦD	S	L2	L1	W	最小加工直径 D1min	推荐加工深度 max	KP1120	KP4130	KP8130	CW20	
050100D30S07	050100D30S07	2.7	2.0	0.8	10	30	0.5	3	10	●	●	●	●	
050150D30S07	050150D30S07	2.7	2.0	0.8	15	30	0.5	3	15	●	●	●	●	
070100D30S08	070100D30S08	2.7	2.0	0.8	10	30	0.7	3	10	●	●	●	●	
070150D30S08	070150D30S08	2.7	2.0	0.8	15	30	0.7	3	15	●	●	●	●	
050100D40S08	050100D40S08	3.7	2.9	0.9	10	30	0.5	4	10	●	●	●	●	
050200D40S08	050200D40S08	3.7	2.9	0.9	20	35	0.5	4	20	●	●	●	●	
070100D40S09	070100D40S09	3.7	2.8	1.0	10	30	0.7	4	10	●	●	●	●	
070200D40S09	070200D40S09	3.7	2.8	1.0	20	35	0.7	4	20	●	●	●	●	
100100D40S10	100100D40S10	3.7	2.7	1.1	10	30	1.0	4	10	●	●	●	●	
100200D30S10	100200D30S10	3.7	2.7	1.1	20	35	1.0	4	20	●	●	●	●	

夹持力强
刚性好
Strong clamping force
Good rigidity

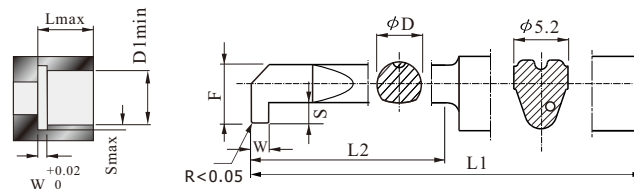


CBFR/L

整体合金极小径内槽刀

用于内径槽加工

For cutter inside groove



CBFR

特点:

1. 非常好的夹持力，刚性强;
2. 双内冷孔，一个负责冷却，另一个负责排铁屑;

3. 刃口锋利，切削阻力小。

1. Strong clamping force Good rigidity.

2. With Two internal cooling,

Excellent Processing Performance;

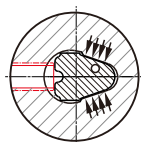
3. Sharp edge, Small cutting resistance.

工件材料	P	钢 Steel	✱	✱	✱	
	P	高硬度钢 HRC35-60 Steel		●	●	
	M	不锈钢 Stainless steel	✱	✱	✱	
	S	钛合金和可伐合金 Titanium alloy		✱	✱	
	N	有色金属 Nonferrous metal				✱
S	耐热合金 Heat-resisting steel		✱	✱		

本图例为右手刀(R)RIGHT HAND SHOWN

型号 MODEL NO.		尺寸 mm									PVD涂层			合金
正刀	反刀	F	ΦD	S	L2	L1	W	最小加工直径 D1min	推荐加工深度 max	KP1120	KP4130	KP8130	CW20	
050150D50S07	050150D50S07	4.2	3.5	0.8	15	30	0.5	5	15	●	●	●	●	
050200D50S07	050200D50S07	4.2	3.5	0.8	20	35	0.5	5	20	●	●	●	●	
100150D50S12	100150D50S12	4.7	3.5	1.3	15	30	1.0	5	15	●	●	●	●	
100200D50S12	100200D50S12	4.7	3.5	1.3	20	35	1.0	5	20	●	●	●	●	
150150D50S12	150150D50S12	4.7	3.5	1.3	15	30	1.5	5	15	●	●	●	●	
150200D50S12	150200D50S12	4.7	3.5	1.3	20	35	1.5	5	20	●	●	●	●	
175150D50S12	175150D50S12	4.7	3.5	1.3	15	30	1.75	5	15	●	●	●	●	
175200D50S12	175200D50S12	4.7	3.5	1.3	20	35	1.75	5	20	●	●	●	●	
200150D50S12	200150D50S12	4.7	3.5	1.3	15	30	2.0	5	15	●	●	●	●	
200200D50S12	200200D50S12	4.7	3.5	1.3	20	35	2.0	5	20	●	●	●	●	

夹持力强
刚性好
Strong clamping force
Good rigidity

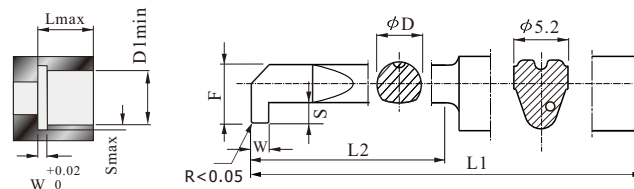


CBFR/L

整体合金极小径内槽刀

用于内径槽加工

For cutter inside groove



CBFR

特点:

1. 非常好的夹持力，刚性强;
2. 双内冷孔，一个负责冷却，另一个负责排铁屑;

3. 刃口锋利，切削阻力小。

1. Strong clamping force Good rigidity.

2. With Two internal cooling,

Excellent Processing Performance;

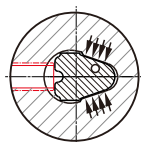
3. Sharp edge, Small cutting resistance.

工件材料	P	钢 Steel	✱	✱	✱	
	P	高硬度钢 HRC35-60 Steel		●	●	
	M	不锈钢 Stainless steel	✱	✱	✱	
	S	钛合金和可伐合金 Titanium alloy		✱	✱	
	N	有色金属 Nonferrous metal				✱
S	耐热合金 Heat-resisting steel		✱	✱		

本图例为右手刀(R)RIGHT HAND SHOWN

型号 MODEL NO.		尺寸 mm									PVD涂层			合金
正刀	反刀	F	ΦD	S	L2	L1	W	最小加工直径 D1min	推荐加工深度 max	KP1120	KP4130	KP8130	CW20	
050150D60S07	050150D50S07	5.2	3.7	1.6	15	30	0.5	6	15	●	●	●	●	
050250D60S07	050250D50S07	5.2	3.7	1.6	20	35	0.5	6	25	●	●	●	●	
100150D60S12	100150D50S12	5.7	3.7	2.1	15	30	1.0	6	15	●	●	●	●	
100250D60S12	100250D50S12	5.7	3.7	2.1	20	35	1.0	6	25	●	●	●	●	
150150D60S12	150150D50S12	5.7	3.7	2.1	15	30	1.5	6	15	●	●	●	●	
150250D60S12	150250D50S12	5.7	3.7	2.1	20	35	1.5	6	25	●	●	●	●	
175150D60S12	175150D50S12	5.7	3.7	2.1	15	30	1.75	6	15	●	●	●	●	
175250D60S12	175250D50S12	5.7	3.7	2.1	20	35	1.75	6	25	●	●	●	●	
200150D60S12	200150D50S12	5.7	3.7	2.1	15	30	2.0	6	15	●	●	●	●	
200250D60S12	200250D50S12	5.7	3.7	2.1	20	35	2.0	6	25	●	●	●	●	

夹持力强
刚性好
Strong clamping force
Good rigidity

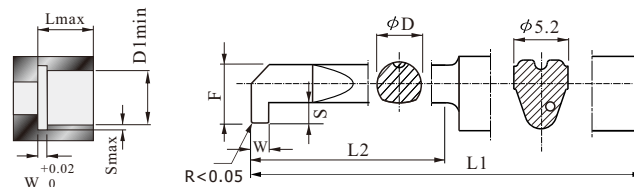


CBFR/L

整体合金极小径内槽刀

用于内径槽加工

For cutter inside groove



CBFR

特点:

1. 非常好的夹持力，刚性强;
2. 双内冷孔，一个负责冷却，另一个负责排铁屑;

3. 刃口锋利，切削阻力小。

1. Strong clamping force Good rigidity.

2. With Two internal cooling,

Excellent Processing Performance;

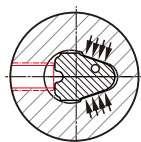
3. Sharp edge, Small cutting resistance.

工件材料	P	钢 Steel	✱	✱	✱	
	P	高硬度钢 HRC35-60 Steel		●	●	
	M	不锈钢 Stainless steel	✱	✱	✱	
	S	钛合金和可伐合金 Titanium alloy		✱	✱	
	N	有色金属 Nonferrous metal				✱
S	耐热合金 Heat-resisting steel		✱	✱		

本图例为右手刀(R)RIGHT HAND SHOWN

型号 MODEL NO.		尺寸 mm									PVD涂层			合金
		F	ΦD	S	L2	L1	W	最小加工直径 D1min	推荐加工深度 max	KP1120	KP4130	KP8130	CW20	
CBFR	050150D60S07	050150D50S07	5.7	3.7	2.1	15	30	0.5	7	15	●	●	●	●
	050250D60S07	050250D50S07	5.7	3.7	2.1	20	35	0.5	7	25	●	●	●	●
	100150D60S12	100150D50S12	6.2	3.7	2.6	15	30	1.0	7	15	●	●	●	●
	100250D60S12	100250D50S12	6.2	3.7	2.6	20	35	1.0	7	25	●	●	●	●
	150150D60S12	150150D50S12	6.2	3.7	2.6	15	30	1.5	7	15	●	●	●	●
	150250D60S12	150250D50S12	6.2	3.7	2.6	20	35	1.5	7	25	●	●	●	●
	175150D60S12	175150D50S12	6.2	3.7	2.6	15	30	1.75	7	15	●	●	●	●
	175250D60S12	175250D50S12	6.2	3.7	2.6	20	35	1.75	7	25	●	●	●	●
	200150D60S12	200150D50S12	6.2	3.7	2.6	15	30	2.0	7	15	●	●	●	●
	200250D60S12	200250D50S12	6.2	3.7	2.6	20	35	2.0	7	25	●	●	●	●

夹持力强
刚性好
Strong clamping force
Good rigidity

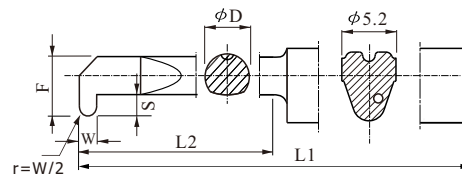
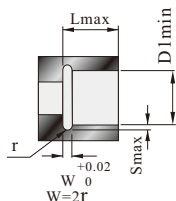


CBFR/L

整体合金极小径内槽刀

用于内径槽加工

For cutter inside groove



CBFR

特点:

- 1. 非常好的夹持力，刚性强;
- 2. 双内冷孔，一个负责冷却，另一个负责排铁屑;

3. 刃口锋利，切削阻力小。

1. Strong clamping force Good rigidity.

2. With Two internal cooling,

Excellent Processing Performance;

3. Sharp edge, Small cutting resistance.

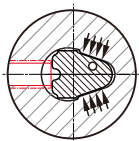
工件材料	P 钢 Steel	☼	☼	☼	
	P 高硬度钢 HRC35-60 Steel		●	●	
	M 不锈钢 Stainless steel	☼	☼	☼	
	S 钛合金和可伐合金 Titanium alloy		☼	☼	
	N 有色金属 Nonferrous metal				☼
S 耐热合金 Heat-resisting steel		☼	☼		

本图例为右手刀(R)RIGHT HAND SHOWN

型号 MODEL NO.		尺寸 mm									PVD涂层		合金
正刀	反刀	F	ΦD	S	L2	L1	W =2*r	最小加工直径 D1min	推荐加工深度 max	KP1120	KP4130	KP8130	CW20
		050150D30S08	050150D30S08	2.7	2.0	0.8	15	30	0.5	3	15	●	●
050150D40S08	050150D40S08	3.7	3.0	0.8	15	30	0.5	4	15	●	●	●	●
100150D40S10	100150D40S10	3.7	2.9	1.0	15	30	1.0	4	15	●	●	●	●
050150D50S08	050150D50S08	4.7	4.0	0.8	15	30	0.5	5	15	●	●	●	●
100150D50S10	100150D50S10	4.7	3.8	1.0	15	30	1.0	5	15	●	●	●	●
150150D50S13	150150D50S13	4.7	3.5	1.3	15	30	1.5	5	15	●	●	●	●
150200D50S13	150200D50S13	4.7	3.5	1.3	20	35	1.5	5	25	●	●	●	●
175150D50S14	175150D50S14	4.7	3.4	1.4	15	30	1.75	5	15	●	●	●	●
200150D50S15	200150D50S15	4.7	3.3	1.5	15	30	2.0	5	15	●	●	●	●
200200D50S15	200200D50S15	4.7	3.3	1.5	20	35	2.0	5	20	●	●	●	●

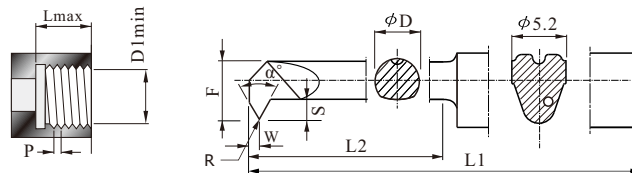
夹持力强
刚性好

Strong clamping force
Good rigidity



CBGR/L

整体合金极小径内螺纹刀
用于内径螺纹加工
For cutter inside Thread



CBGR

特点:

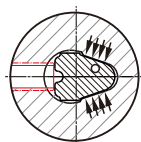
1. 非常好的夹持力，刚性强；
2. 双内冷孔，一个负责冷却，另一个负责排铁屑；
3. 刃口锋利，切削阻力小。

1. Strong clamping force Good rigidity.
2. With Two internal cooling,
Excellent Processing Performance;
3. Sharp edge, Small cutting resistance.

本图例为右手刀(R)RIGHT HAND SHOWN

工 件 材 质	P 钢 Steel	✱	✱	
	P 高硬度钢 HRC35-60 Steel	●	●	
	M 不锈钢 Stainless steel	✱	✱	
	S 钛合金和可伐合金 Titanium alloy	✱	✱	
	N 有色金属 Nonferrous metal			✱
S 耐热合金 Heat-resisting steel	✱	✱		

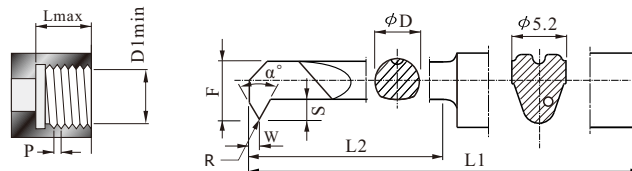
夹持力强
刚性好
Strong clamping force
Good rigidity



型号 MODEL NO.		尺寸 mm											PVD涂层合金		
正刀	反刀	F	ΦD	S	L2	L1	W	α°	R	螺距 ISO mm	最小 加工 直径 D1min	推荐 加工 深度 max	KP8130	KP1120	CW20
													●	○	●
050100D30A60	050100D30A60	2.7	2.2	0.6	10	25	0.35	60	0.03	0.2-0.5	3	10	●	○	●
050100D40A60	050100D40A60	3.7	2.8	1.0	10	25	0.35	60	0.03	0.2-0.5	4	10	●	○	●
050150D50A60	050150D50A60	4.7	3.6	1.2	15	30	0.35	60	0.03	0.2-0.5	5	15	●	○	●
050200D60A60	050200D60A60	5.7	4.0	1.8	20	35	0.35	60	0.03	0.2-0.5	6	15	●	○	●
080100D30A60	080100D30A60	2.7	2.1	0.7	10	25	0.5	60	0.05	0.5-0.8	3	10	●	○	●
080100D40A60	080100D40A60	3.7	2.7	1.1	10	25	0.5	60	0.05	0.5-0.8	4	10	●	○	●
CBGR080150D50A60	CBGL080150D50A60	4.7	3.6	1.2	15	30	0.5	60	0.05	0.5-0.8	5	15	●	○	●
080200D60A60	080200D60A60	5.7	4.0	1.8	20	35	0.5	60	0.05	0.5-0.8	6	15	●	○	●
100150D40A60	100150D40A60	3.7	2.6	1.2	15	30	0.6	60	0.07	0.8-1.0	4	15	●	○	●
100150D50A60	100150D50A60	4.7	3.5	1.3	15	30	0.6	60	0.07	0.8-1.0	5	15	●	○	●
100200D60A60	100200D60A60	5.7	3.8	2.0	20	35	0.6	60	0.07	0.8-1.0	6	15	●	○	●
125200D60A60	125200D60A60	5.7	3.8	2.0	20	35	0.7	60	0.09	1.25	6	15	●	○	●
150200D60A60	150200D60A60	5.7	3.8	2.0	20	35	0.8	60	0.10	1.5	6	15	●	○	●

CBGR/L

整体合金极小径内螺纹刀
用于内径螺纹加工
For cutter inside Thread



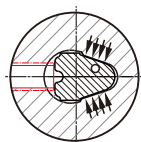
CBGR

特点:

1. 非常好的夹持力, 刚性强;
2. 双内冷孔, 一个负责冷却, 另一个负责排铁屑;
3. 刃口锋利, 切削阻力小。

1. Strong clamping force Good rigidity.
2. With Two internal cooling,
Excellent Processing Performance;
3. Sharp edge, Small cutting resistance.

夹持力强
刚性好
Strong clamping force
Good rigidity



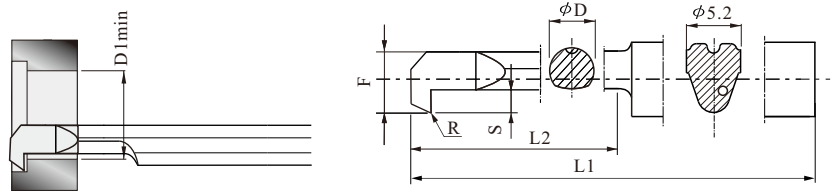
本图例为右手刀(R)RIGHT HAND SHOWN

工 件 材 质	P 钢 Steel	✱	✱	
	P 高硬度钢 HRC35-60 Steel	●	●	
	M 不锈钢 Stainless steel	✱	✱	
	S 钛合金和可伐合金 Titanium alloy	✱	✱	
	N 有色金属 Nonferrous metal			✱
S 耐热合金 Heat-resisting steel	✱	✱		

型号 MODEL NO.		尺寸 mm											PVD涂层合金		
正刀	反刀	F	ΦD	S	L2	L1	W	α°	R	螺距 TPi mm	最小 加工 直径 D1min	推荐 加工 深度 max	KP8130	KP1120	CW20
		48100D30A55	48100D30A55	2.7	2.2	0.6	10	25	0.35	55	0.05	72-48	3	10	●
48100D40A55	48100D40A55	3.7	2.8	1.0	10	25	0.35	55	0.05	72-48	4	10	●	○	●
48150D50A55	48150D50A55	4.7	3.6	1.2	15	30	0.35	55	0.05	72-48	5	15	●	○	●
48150D60A55	48150D60A55	5.7	4.0	1.8	15	30	0.35	55	0.05	72-48	6	15	●	○	●
32100D30A55	32100D30A55	2.7	2.1	0.7	10	25	0.5	55	0.08	48-32	3	10	●	○	●
32100D40A55	32100D40A55	3.7	2.7	1.1	10	25	0.5	55	0.08	48-32	4	10	●	○	●
CBGR 32150D50A55	CBGL 32150D50A55	4.7	3.6	1.2	15	30	0.5	55	0.08	48-32	5	15	●	○	●
32150D60A55	32150D60A55	5.7	4.0	1.8	15	30	0.5	55	0.08	48-32	6	15	●	○	●
24150D40A55	24150D40A55	3.7	2.6	1.2	15	30	0.6	55	0.12	32-24	4	15	●	○	●
24150D50A55	24150D50A55	4.7	3.5	1.3	15	30	0.6	55	0.12	32-24	5	15	●	○	●
24150D60A55	24150D60A55	5.7	3.8	2.0	15	30	0.6	55	0.12	32-24	6	15	●	○	●
20150D60A55	20150D60A55	5.7	3.8	2.0	15	30	0.7	55	0.15	24-20	6	15	●	○	●
16150D60A55	16150D60A55	5.7	3.8	2.0	15	30	0.8	55	0.18	20-16	6	15	●	○	●

SBXR

整体合金小径内孔倒拉刀



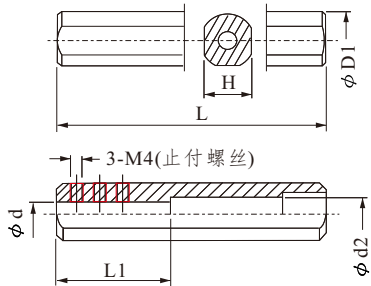
SBXR

本图例为右手刀(R)RIGHT HAND SHOWN



型号 MODEL NO.	尺寸 mm							PVD涂层 合金		
	ΦD	F	S	L2	L1	R	最小加工直徑 D1min	KP1120	KP8130	CW20
SBXR 100R010-D4	4	3.8	1.0	10	50	0.1	4.0	●	●	●
SBXR 150R015-D5	5	4.8	1.5	15	50	0.15	5.0	●	●	●
SBXR 200R020-D6	6	5.8	2.0	20	50	0.2	6.0	●	●	●
SBWR 200R020-D8	4	7.8	2.0	20	50	0.2	8.0	●	●	●

刀套



型号	尺寸					
	D1	d1	d2	H	L	L1
PH0316-80	16	3	4	11	80	20
PH0416-80	16	4	5	11	80	20
PH0516-80	16	5	6	11	80	25
PH0616-80	16	6	7	11	80	25
PH0716-80	16	7	8	11	80	30
PH0816-80	16	8	9	11	80	30

型号	尺寸					
	D1	d1	d2	H	L	L1
PH0320-80	20	3	4	11	80	20
PH0420-80	20	4	5	11	80	20
PH0520-80	20	5	6	11	80	25
PH0620-80	20	6	7	11	80	25
PH0720-80	20	7	8	11	80	30
PH0820-80	20	8	9	11	80	30

高性能螺纹刀片

High performance Thread insert

带槽型的E(I)RM为压制槽型，
刃口为磨制保持螺纹齿形精度，
槽型具有优异的排屑性能。

Pressed groove type, The cutting edge is
Grinding of thread profile, Excellent iron
chip removal performance

特点:

切削阻力小，铁屑控制好，高品质，高稳定性的通用产品；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，钢件及铸铁加工。

CP2630T, CP1125: 适合通用加工；

CP2430: 适合高速加工及难加工材料。

Feature:

Low cutting resistance, well chip breaking, high quality & stability. Performance exceed famous brand.

Application:

Stainless steel, Titanium alloy, Heat resisting alloy,
Steel, Cast iron.

CP2630T, CP1125: Universal grade.

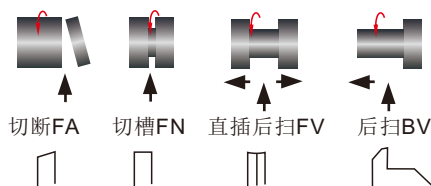
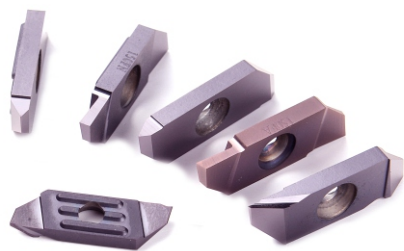
CP2430: High speed cutting & intractable work-piece.

		PVD			硬质合金	加工参数 parameters
		KP4630T	KP4430	KP1125	CW20	
工件材质	P 钢件加工 Steel	●	●	●		80-120-160
	M 不锈钢 Stainless steel	●	●	●		60-80-120
	K 铸铁 Cast iron	●	●			120-150-200
	S Titanium alloy	●	●	●		30-40-50
	S 耐热合金 Heat-resisting steel	●	●	●		40-50-60
	N 铝合金 Nonferrous meter				●	150-180-250
型号规格		螺纹型号				ISO UN BSW BSPT NPT TR ACME SAGE RD APIRD
Groove type	<i>11IRM</i>	●	●	●		
	<i>16IRM, 16ERM</i>	●	●	●		
	<i>22IRM, 22ERM</i>	●				
Grinding	<i>06IR</i>	●	●		●	
	<i>08IR</i>	●	●		●	
	<i>11IR</i>	●	●		●	
	<i>16IR, 16ER</i>	●	●		●	
	<i>22IR, 22ER</i>	●			●	
	<i>27IR, 27ER</i>	●			●	

具体尺寸规格详见我公司综合样本。See our comprehensive sample for details.

CMT(L)PR / L 精磨切断切槽刀片

CMT(L)PR / L Grooving insert



特点:

刃口锋利, 铁屑控制好, 超精加工槽型;

被加工对象:

- 不锈钢, 钛合金, 高温合金, 淬火钢, 碳钢。
- KP1120: 易车铁及软钢加工材质, 低速加工;
- KP4130: 通用加工材质, 中低速加工。
- KP4630T: 通用加工材质;
- CW20(硬质合金): 铝合金加工。

Feature:

Sharp edge, well chip breaking, covering both superfinishing .

Application:

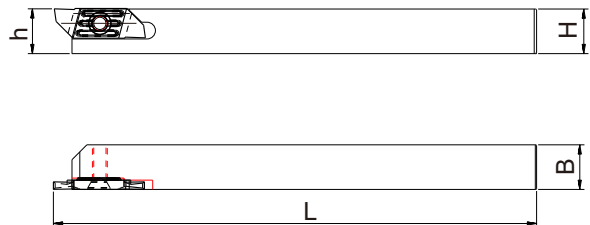
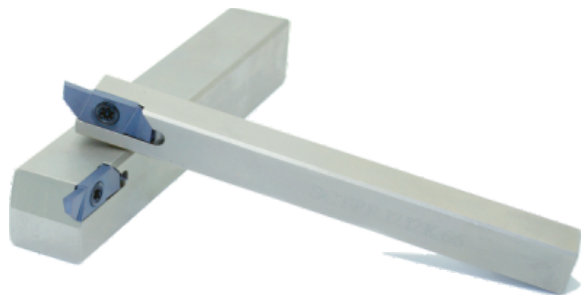
- Stainless steel, Titanium alloy, Heat resisting alloy,
- Hardened steel, Low-carbon steel.
- KP1120: Low carbon steel processing, Low speed machining.
- KP4130: General processing materials, Low speed machining.
- KP4630T: Universal grade.
- CW20: Non ferrous metal processing.

● 首选; ○ 可选

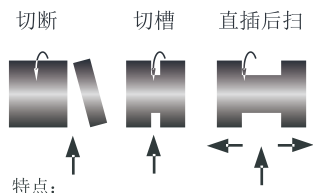
型号规格		工件材质					PVD涂层				合金
		P	P	M	S	N	S	KP1120	KP4130	KP4630T	CW20
例: CMTPR100FN.CP2130 CMTLPR100FN.CP2130		刀片用途 / 有效切深									
右手刀片	左手刀片	槽宽	切槽	切断	切槽,后扫	后扫					
		WH13	FN	FA	FV	BV					
CMTPR050	CMTPL050	0.5	2.0	2.0			●	●	●	●	
CMTPR080	CMTPL080	0.8	3.0	3.5	3.0		●	●	●	●	
CMTPR100	CMTPL100	1.0	4.0	5.0	4.0		●	●	●	●	
CMTPR125	CMTPL125	1.25	4.0	5.0			●	●	●	●	
CMTPR150	CMTPL150	1.5	5.5	6.5	4.0		●	●	●	●	
CMTPR175	CMTPL175	1.75	5.5	6.5			●	●	●	●	
CMTPR200	CMTPL200	2.0	5.5	6.5			●	●	●	●	
CMTPR250	CMTPL250	2.5	5.5	6.5		4.0	●	●	●	●	
CMTLPR050	CMTLPL050	0.5	3.0	3.0			●	●	●	●	
CMTLPR080	CMTLPL080	0.8	3.5	4.0	3.0		●	●	●	●	
CMTLPR100	CMTLPL100	1.0	6.0	6.0	4.0		●	●	●	●	
CMTLPR125	CMTLPL125	1.25	6.0	6.5			●	●	●	●	
CMTLPR150	CMTLPL150	1.5	7.0	7.0	4.0		●	●	●	●	
CMTLPR175	CMTLPL175	1.75	8.0	8.0			●	●	●	●	
CMTLPR200	CMTLPL200	2.0	8.0	11.0			●	●	●	●	
CMTLPR250	CMTLPL250	2.5	8.0	11.0		4.0	●	●	●	●	

CTPR 外圆切断车刀 (切断, 切槽, 后扫加工)


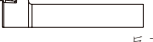
CTPR/L□□□□□ K-□□



本图例为右手刀(R) RIGHT HAND SHOWN



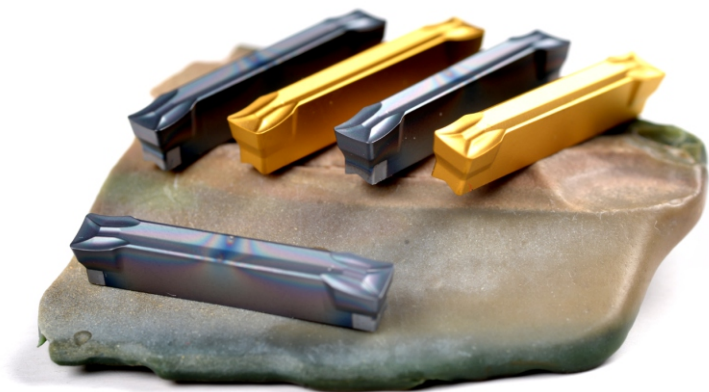
- 特点:
1. 用途: 切断, 切槽及直插后扫加工
 2. 使用率:
 3. 经济性:
 4. 两面均有侧后角, 切削阻力低, 定位强度好。

型号 MODEL NO.		尺寸 mm				螺钉	扳手	刀片 型号
 正刀	 反刀	H H1 B	L	H2	f			
CMTPR0808K66	CMTPL0808K66	8	125	-	8.1	MS4080	T15	CTPR □□□ CTPL □□□
CMTPR1010K66	CMTPL1010K66	10	125	-	10.1			
CMTPR1212K66	CMTPL1212K66	12	125	-	12.1			
CMTPR1616M66	CMTPL1616M66	16	125	-	16.1			
CMTPR2020K66	CMTPL2020K66	20	125	-	20.1			
CMTPR2525M66	CMTPL2525M66	25	150	-	25.1			
CMTLPR1212K86	CMTLPL1212K86	12	125	-	12.1	MS4080	T15	CTLPR □□□ CTLPL □□□
CMTLPR1616M86	CMTLPL1616M86	16	125	-	16.1			
CMTLPR2020K86	CMTLPL2020K86	20	125	-	20.1			
CMTLPR2525M86	CMTLPL2525M86	25	150	-	25.1			

CD

-双头槽刀片 (巅峰之作)

CD Grooving insert



特点:

刃口锋利, 铁屑控制好, 通用性极强, 特别适合端面加工;
性能媲美欧洲顶级同类产品。

被加工对象

高温合金, 不锈钢, 钢件加工。

Feature:

Sharp edge, well chip breaking, wide cutting scope, special for face grooving.

Performance equal to Europe top brand.

Application:

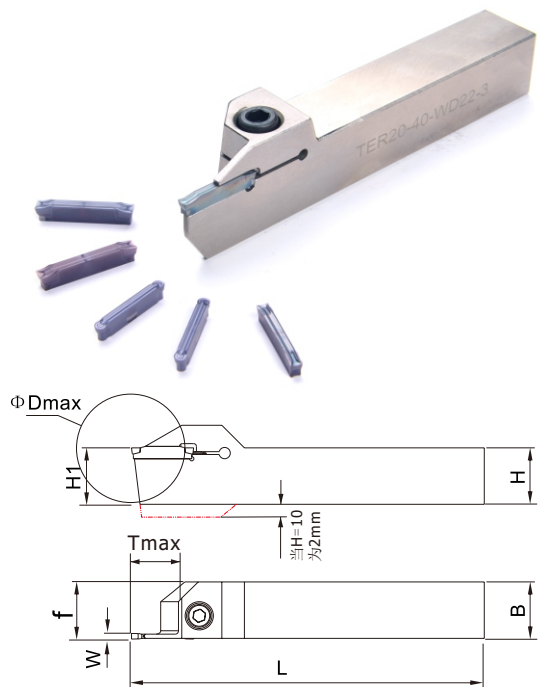
Heat resisting alloy, Stainless steel, Steel.

		PVD			CVD	加工参数 parameters Vc (mm/min)
		KP4430	KP4130H	CPA4140K	KC1035G	
工件 材 质	P Steel	●	●	●		80-120-160
	P 钢件高速加工 Steel		●	●	●	140-180-220
	M Stainless steel	●	●			60-80-120
	S Titanium alloy	●	●			40-60-80
	S Heat-resisting steel	●	●	●		40-60-80
	型号规格	刀尖 R				每转进给 fmm
平头	CD22N2.00S-0.2T	0.2	●	●	●	0.05-0.07-0.10
	CD22N2.50S-0.2T	0.2	●	●	●	0.06-0.08-0.12
	CD22N3.00S-0.3T	0.3	●	●	●	0.07-0.10-0.20
	CD25N4.00S-0.4T	0.4	●	●	●	0.08-0.20-0.30
	CD25N5.00S-0.4T	0.4	●	●	●	0.12-0.25-0.35
圆头	CD22N3.00S-1.5R	1.5	●	●	●	0.05-0.08-0.12
	CD25N4.00S-2.0R	2.0	●	●	●	0.06-0.10-0.15
斜口	CD22R2.00E-06F1		●	●	●	0.05-0.07-0.10


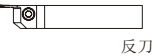
双头外圆切断，切槽车刀

TER/L□□-□□ CD2□-□

本图例为右手刀 (R) RIGHT HAND SHOWN

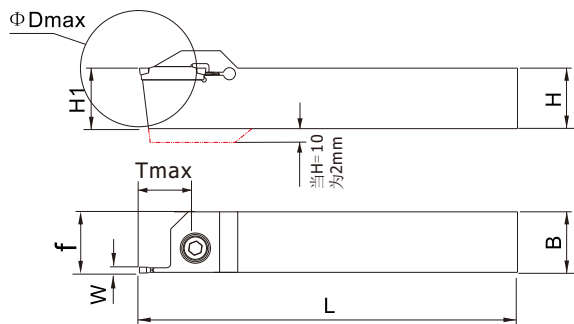


加工小窍门：当切断实心棒料时，
切断刀杆中心高提高量
=0.08+0.02W(刀片宽度)
例：3mm切断刀片，刀杆中心高
提高量=0.08+0.02X3=0.14mm.

型号	MODEL NO.	尺寸 mm				最大加工深度 Tmax	螺钉	扳手	刀片型号
		W	H H1 B	L	f				
									
TER10-20-CD22-2	TEL10-20-CD22-2	2	10	125	10.25	10	BS0416	S3	CD22N2.00 CD22R-2.00
TER12-24-CD22-2	TEL12-24-CD22-2	2	12	125	12.25	12	BS0516	S4	
TER16-24-CD22-2	TEL16-24-CD22-2	2	16	125	16.25	12	BS0620	S5	
TER20-24-CD22-2	TEL20-24-CD22-2	2	20	125	20.25	12			
TER25-24-CD22-2	TEL25-24-CD22-2	2	25	150	25.25	12			
TER10-20-CD22-2.5	TEL10-20-CD22-2.5	2.5	10	125	10.3	10	BS0416	S3	CD22N2.50
TER12-24-CD22-2.5	TEL12-24-CD22-2.5	2.5	12	125	12.3	12	BS0516	S4	
TER16-32-CD22-2.5	TEL16-32-CD22-2.5	2.5	16	125	16.3	16	BS0620	S5	
TER20-32-CD22-2.5	TEL20-32-CD22-2.5	2.5	20	125	20.3	16			
TER25-32-CD22-2.5	TEL25-32-CD22-2.5	2.5	25	150	25.3	16			
TER16-36-CD22-3	TEL16-36-CD22-3	3	16	125	16.35	18	BS0616	S5	CD22N3.00 CD22R-3.00 CD22S-3.00
TER20-36-CD22-3	TEL20-36-CD22-3	3	20	125	20.35	18	BS0620		
TER25-36-CD22-3	TEL25-36-CD22-3	3	25	150	25.35	18			
TER32-36-CD22-3	TEL32-36-CD22-3	3	32	170	32.35	18			
TER20-40-CD25-4	TEL20-40-CD25-4	4	20	125	20.45	22	BS0620		
TER25-40-CD25-4	TEL25-40-CD25-4	4	25	150	25.45	22			
TER32-40-CD25-4	TEL32-40-CD25-4	4	32	170	32.45	22			
TER25-40-CD25-5	TEL25-40-CD25-5	5	25	150	25.45	22	BS0620	S5	CD25N5.00
TER32-40-CD25-5	TEL32-40-CD25-5	5	32	170	32.45	22			
TER40-40-CD25-5	TEL40-40-CD25-5	5	40	200	40.45	22			
TER25-40-CD25-6	TEL25-40-CD25-6	6	25	150	25.55	22	BS0620	S5	CD25N6.00
TER32-40-CD25-6	TEL32-40-CD25-6	6	32	170	32.55	22			
TER40-40-CD25-6	TEL40-40-CD25-6	6	40	200	40.55	22			

双头外圆浅切断，切槽车刀
(可以做横向切削)

TER/L□□-□□CD2□-□


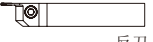


加工小窍门:

当切断实心棒料时，切断刀片宽度选择:

$$\text{刀片宽度} W = \frac{\text{切断工件直径} D}{5-8}$$

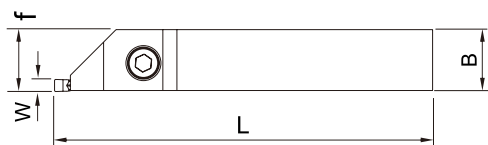
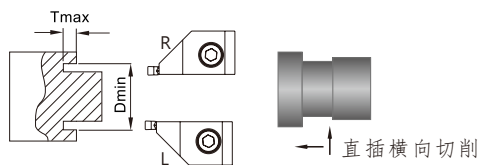
本图例为右手刀(R) RIGHT HAND SHOWN

型号 MODEL NO.		尺寸 mm				最大加工深度 Tmax	螺钉	扳手	刀片型号
 正刀	 反刀	W	H H1 B	L	f				
TER10-8-CD22-2	TEL10-8-CD22-2	2	10	125	10.25	8	BS0416	S3	CD22N2.00 CD22R-2.00
TER12-8-CD22-2	TEL12-8-CD22-2	2	12	125	12.25	8	BS0516	S4	
TER16-8-CD22-2	TEL16-8-CD22-2	2	16	125	16.25	8	BS0616	S5	
TER20-8-CD22-2	TEL20-8-CD22-2	2	20	125	20.25	8	BS0620		
TER25-8-CD22-2	TEL25-8-CD22-2	2	25	150	25.25	8			
TER10-8-CD22-2.5	TEL10-8-CD22-2.5	2.5	10	125	10.3	8	BS0516	S4	CD22N2.50
TER12-8-CD22-2.5	TEL12-8-CD22-2.5	2.5	12	125	12.3	8	BS0620	S5	
TER16-8-CD22-2.5	TEL16-8-CD22-2.5	2.5	16	125	16.3	8			
TER20-8-CD22-2.5	TEL20-8-CD22-2.5	2.5	20	125	20.3	8			
TER25-8-CD22-2.5	TEL25-8-CD22-2.5	2.5	25	150	25.3	8			
TER16-9-CD22-3	TEL16-9-CD22-3	3	16	125	16.35	9	BS0616	S5	CD22N3.00 CD22R-3.00 CD22S-3.00
TER20-9-CD22-3	TEL20-9-CD22-3	3	20	125	20.35	9	BS0620		
TER25-9-CD22-3	TEL25-9-CD22-3	3	25	150	25.35	9			
TER32-9-CD22-3	TEL32-9-CD22-3	3	32	170	32.35	9			
TER20-10-CD25-4	TEL20-10-CD25-4	4	20	125	20.45	10	BS0620	S5	CD25N4.00 CD22S-4.00
TER25-10-CD25-4	TEL25-10-CD25-4	4	25	150	25.45	10			
TER32-10-CD25-4	TEL32-10-CD25-4	4	32	170	32.45	10			
TER25-12-CD25-5	TEL25-12-CD25-5	5	25	150	25.45	12	BS0620	S5	CD25N5.00
TER32-12-CD25-5	TEL32-12-CD25-5	5	32	170	32.45	12			
TER40-12-CD25-5	TEL40-12-CD25-5	5	40	200	40.45	12			
TER25-12-CD25-6	TEL25-12-CD25-6	6	25	150	25.55	12	BS0620	S5	CD25N6.00
TER32-12-CD25-6	TEL32-12-CD25-6	6	32	170	32.55	12			
TER40-12-CD25-6	TEL40-12-CD25-6	6	40	200	40.55	12			

外圆浅端面切槽车刀


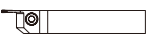
(可以做横向切削)

TSFR/L□□-□□ CD2□-□



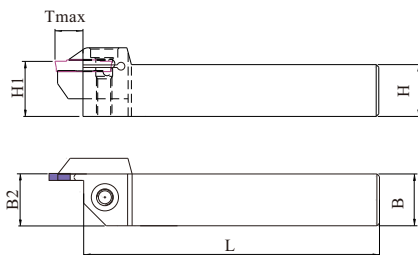
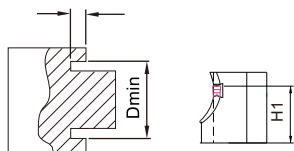
加工小窍门：刀具切槽横向走刀时，
刀具的最大切深 $a_{max}=W \times 0.8$ 。

本图例为右手刀 (R) RIGHT HAND SHOWN




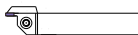
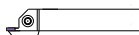
型号	MODEL NO.	尺寸 mm			最小加工直径 Dmin	最大加工深度 Tmax	螺钉	扳手	刀片型号
		W	H H1 B	L					
 正刀	 反刀								
TSFR16-28-CD22-2	TSFL16-24-CD22-2	2	16	100	28	5	BS0616	S5	CD22N2.00
TSFR20-28-CD22-2	TSFL20-24-CD22-2	2	20	125	28	5	BS0620		
TSFR25-28-CD22-2	TSFL25-24-CD22-2	2	25	150	28	5	BS0620		
TSFR16-29-CD22-2.5	TSFL16-24-CD22-2.5	2.5	16	100	29	5	BS0616	S5	CD22N2.50
TSFR20-29-CD22-2.5	TSFL20-24-CD22-2.5	2.5	20	125	29	5	BS0620		
TSFR25-29-CD22-2.5	TSFL25-24-CD22-2.5	2.5	25	150	29	5	BS0620		
TSFR16-30-CD22-3	TSFL16-24-CD22-3	3	16	100	30	5	BS0616	S5	CD22N3.00 CD22S3.00
TSFR20-30-CD22-3	TSFL20-24-CD22-3	3	20	125	30	5	BS0620		
TSFR25-30-CD22-3	TSFL25-24-CD22-3	3	25	150	30	5	BS0620		
TSFR20-38-CD25-4	TSFL20-30-CD25-4	4	20	125	38	6	BS0620	S5	CD25N4.00 CD22S4.00
TSFR25-38-CD25-4	TSFL25-30-CD25-4	4	25	150	38	6			
TSFR32-38-CD25-4	TSFL32-30-CD25-4	4	32	170	38	6			
TSFR20-40-CD25-5	TSFL20-30-CD25-5	5	20	125	40	6	BS0620	S5	CD25N5.00
TSFR25-40-CD25-5	TSFL25-30-CD25-5	5	25	150	40	6			
TSFR32-40-CD25-5	TSFL32-30-CD25-5	5	32	170	40	6			
TSFR40-40-CD25-5	TSFL40-30-CD25-5	5	40	200	40	6	BS0620	S5	CD25N6.00
TSFR20-42-CD25-6	TSFL20-30-CD25-6	6	20	125	42	6			
TSFR25-42-CD25-6	TSFL25-30-CD25-6	6	25	150	42	6			
TSFR32-42-CD25-6	TSFL32-30-CD25-6	6	32	170	42	6	BS0620	S5	CD25N6.00
TSFR40-42-CD25-6	TSFL40-30-CD25-6	6	40	200	42	6			

外圆深端面切槽车刀

TJFR/L□□/□□CD2□-□

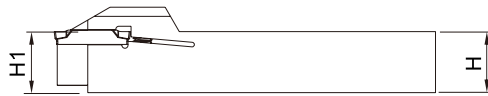
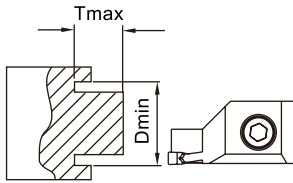


本圖為右手刀 (R) RIGHT HAND SHOWN




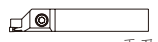
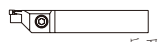
型号 MODEL NO.		尺寸 mm				加工直径范围 Dmin	最大加工深度 Tmax	螺钉 	扳手 	刀片型号 
 正刀	 反刀	W	H H1 B	L	B2					
TJFR20-24/38-CD22-3	TJFL20-24/38-CD22-3	3.0	20	125	20.35	24-38	10	BS0620	S5	CD22N3.00 CD22S3.00
TJFR20-36/60-CD22-3	TJFL20-36/60-CD22-3	3.0	20	125	20.35	36-60	12			
TJFR20-54/82-CD22-3	TJFL20-54/82-CD22-3	3.0	20	125	20.35	54-82	12			
TJFR20-80/120-CD22-3	TJFL20-80/120-CD22-3	3.0	20	125	20.35	80-120	15			
TJFR25-24/38-CD22-3	TJFL25-24/38-CD22-3	3.0	25	150	25.35	24-38	10			
TJFR25-36/60-CD22-3	TJFL25-36/60-CD22-3	3.0	25	150	25.35	36-60	12			
TJFR25-54/82-CD22-3	TJFL25-54/82-CD22-3	3.0	25	150	25.35	54-82	12			
TJFR25-80/120-CD22-3	TJFL25-80/120-CD22-3	3.0	25	150	25.35	80-120	15			
TJFR20-22/36-CD25-4	TJFL20-22/36-CD25-4	4.0	20	125	20.35	22-36	12	BS0620	S5	CD25N4.00 CD22S4.00
TJFR20-28/42-CD25-4	TJFL20-28/42-CD25-4	4.0	20	125	20.35	28-42	15			
TJFR20-34/50-CD25-4	TJFL20-34/50-CD25-4	4.0	20	125	20.35	34-50	15			
TJFR20-42/70-CD25-4	TJFL20-42/70-CD25-4	4.0	20	125	20.35	42-70	15			
TJFR20-62/140-CD25-4	TJFL20-62/140-CD25-4	4.0	20	125	20.35	62-140	18			
TJFR20-124-CD25-4	TJFL20-124-CD25-4	4.0	20	125	20.35	124-∞	18			
TJFR25-22/36-CD25-4	TJFL25-22/36-CD25-4	4.0	25	150	25.35	22-36	12			
TJFR25-28/42-CD25-4	TJFL25-28/42-CD25-4	4.0	25	150	25.35	28-42	15			
TJFR25-34/50-CD25-4	TJFL25-34/50-CD25-4	4.0	25	150	25.35	34-50	15			
TJFR25-42/70-CD25-4	TJFL25-42/70-CD25-4	4.0	25	150	25.35	42-70	15			
TJFR25-62/140-CD25-4	TJFL25-62/140-CD25-4	4.0	25	150	25.35	62-140	18			
TJFR25-124-CD25-4	TJFL25-124-CD25-4	4.0	25	150	25.35	124-∞	18			

外圆深端面切槽车刀

TFR/L□□-□□CD2□-□

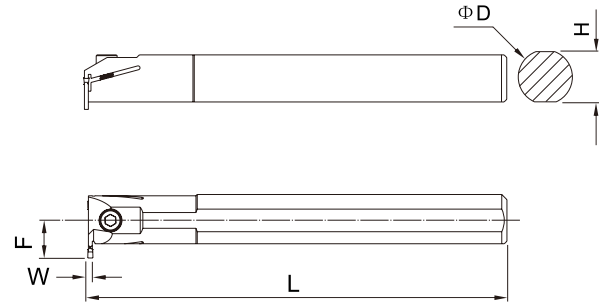
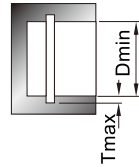


本图例为右手刀 (R) RIGHT HAND SHOWN

型号 MODEL NO.					加工 直径 范围 Dmin	最大 加工 深度 Tmax	螺钉 	扳手 	刀片型号 
 正刀	 反刀	W	H H1 B	L					
TFR20-24/38-CD22-3	TFL20-24/38-CD22-3	3	20	125	24-38	10	BS0620	S5	CD22N3.00 CD22S3.00
TFR20-36/60-CD22-3	TFL20-36/60-CD22-3	3	20	125	36-60	12			
TFR20-54/82-CD22-3	TFL20-54/82-CD22-3	3	20	125	54-82	12			
TFR20-80-CD25-3	TFL20-80-CD25-3	3	20	125	80-120	15			
TFR25-24/38-CD22-3	TFL25-24/38-CD22-3	3	25	150	24-38	10			
TFR25-36/60-CD22-3	TFL25-36/60-CD22-3	3	25	150	36-60	12			
TFR25-54/82-CD22-3	TFL25-54/82-CD22-3	3	25	150	54-82	12			
TFR25-80-120-CD22-3	TFL25-80-120-CD22-3	3	25	150	80-120	15	BS0620	S5	CD25N4.00 CD22S4.00
TFR20-22/36-CD25-4	TFL20-22/36-CD25-4	4	20	125	22-36	12			
TFR20-28/42-CD25-4	TFL20-28/42-CD25-4	4	20	125	28-42	15			
TFR20-34/50-CD25-4	TFL20-34/50-CD25-4	4	20	125	34-50	15			
TFR20-42/70-CD25-4	TFL20-42/70-CD25-4	4	20	125	42-70	15			
TFR20-62-CD25-4	TFL20-62-CD25-4	4	20	125	>62	18			
TFR25-22/36-CD25-4	TFL25-22/36-CD25-4	4	25	150	22-36	12			
TFR25-28/42-CD25-4	TFL25-28/42-CD25-4	4	25	150	28-42	15			
TFR25-34/50-CD25-4	TFL25-34/50-CD25-4	4	25	150	34-50	15			
TFR25-42/70-CD25-4	TFL25-42/70-CD25-4	4	25	150	42-70	15			
TFR25-62-CD25-4	TFL25-62-CD25-4	4	25	150	>62	18			
TFR32-22/36-CD25-4	TFL32-22/36-CD25-4	4	32	170	22-36	12			
TFR32-28/42-CD25-4	TFL32-28/42-CD25-4	4	32	170	28-42	15			
TFR32-34/50-CD25-4	TFL32-34/50-CD25-4	4	32	170	34-50	15			
TFR32-42/70-CD25-4	TFL32-42/70-CD25-4	4	32	170	42-70	15			
TFR32-62-CD25-4	TFL32-62-CD25-4	4	32	170	>62	18			

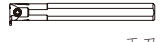

内切槽车刀

TIR/L□□ - CD2□□ - □



本图例为右手刀 (R) RIGHT HAND SHOWN

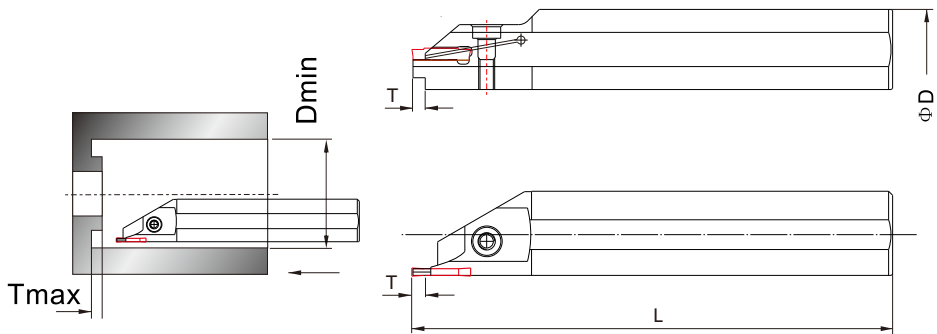


型号 MODEL NO.		尺寸 mm			最小加工直径 D_{min}	最大加工深度 T_{max}	螺钉	扳手	刀片型号
正刀	反刀	W	D	L					
									
TIR20-CD22-2	TIL20-CD22-2	2	20	160	26	3	BS0516	S4	CD22N2.00
TIR25-CD22-2	TIL25-CD22-2	2	25	200	30	3	BS0520		
TIR20-CD22-3	TIL20-CD22-3	3	20	160	26	4.5	BS0616	S5	CD22N3.00 CD22S3.00
TIR25-CD25-3	TIL25-CD25-3	3	25	200	30	4.5	BS0620		
TIR32-CD22-3	TIL32-CD22-3	3	32	250	37	4.5	BS0625		
TIR20-CD25-4	TIL20-CD25-4	4	20	160	26	3.0	BS0616	S5	CD25N4.00 CD22S4.00
TIR25-CD25-4	TIL25-CD25-4	4	25	200	30	5.8	BS0620		
TIR32-CD25-4	TIL32-CD25-4	4	32	250	37	6.5	BS0625		
TIR25-CD25-6	TIL25-CD25-6	6	25	200	30	6.5	BS0620	S5	CD25N6.00
TIR32-CD25-6	TIL32-CD25-6	6	32	250	37	6.5	BS0625		
TIR40-CD25-6	TIL40-CD25-6	6	40	300	46	6.5	BS0630		

内端面槽车刀





用于阀门行业的内端面密封圈槽加工

TFUR□□ - CD2□/ □/ □□



本图例为右手刀 (R) RIGHT HAND SHOWN



型号MODEL NO.  正刀	尺寸 mm			最小加工直径 Dmin	最大加工深度 Tmax	螺钉 	扳手 	刀片型号 
	W	D	L					
TFUR20-CD2/4/28	2	20	125	28	4	BS0516	S4	CD22N2.00S-0.2T
TFUR25-CD2/4/28	2	25	150	28	4	BS0520		
TFUR32-CD2/4/28	2	32	180	28	4	BS0616	S5	CD22N3.00S-0.3T CD22S-3.00S-1.50-R
TFUR20-CD3/5/30	3	20	125	30	5	BS0620		
TFUR25-CD3/5/30	3	25	150	30	5	BS0625		
TFUR32-CD3/5/30	3	32	180	30	5	BS0630		
TFUR40-CD3/4/30	3	40	200	30	5	BS0630	S5	CD25N4.00S-0.4T CD22S-4.00S-2.00-R
TFUR20-CD4/5/32	4	20	125	32	5.5	BS0616		
TFUR25-CD4/5/32	4	25	150	32	5.5	BS0620		
TFUR32-CD4/5/32	4	32	180	32	5.5	BS0625		
TFUR40-CD4/5/32	4	40	200	32	5.5	BS0630		

MGMN

双头槽刀片 (通用产品)

MGMN Grooving insert

特点:

刃口较锋利, 铁屑控制好, 通用性极强; 性能超越同类产品。

被加工对象:

不锈钢, 钢件及铸铁加工。

Feature:

Sharp edge, well chip breaking, wide cutting scope, performance exceed similar product.

Application:

Stainless steel, Steel and Cast iron.



		PVD			CVD	加工参数 parameters Vc (mm/min)
		KP4130	KP8130	KP4430G	KC1035G	
工件 材 质	P Steel	●	●	●		80-120-160
	P 钢件高速加工 Steel		●	●	●	150-180-250
	M Stainless steel	●	●	●		60-80-120
	K Cast iron	●		●	●	120-150-200
	S Heat-resisting steel		●	●		40-60-80
	型号规格	刀尖R				每转进给 f mm
平头	MGMN150-G	0.2	●	●	●	0.05-0.06-0.07
	MGMN200-G	0.2	●	●	●	0.05-0.07-0.10
	MGMN250-G	0.2	●	●	●	0.06-0.08-0.12
	MGMN300-M	0.4	●	●	●	0.07-0.10-0.20
	MGMN400-M	0.4	●	●	●	0.10-0.20-0.30
	MGMN500-M	0.8	●	●	●	0.12-0.25-0.35
	MGMN600-M	0.8	●	●	●	0.15-0.25-0.35
圆头	MRMN200-M	1.0	●	●	●	0.05-0.06-0.08
	MRMN300-M	1.5	●	●	●	0.05-0.08-0.12
	MRMN400-M	2.0	●	●	●	0.06-0.10-0.15
	MRMN500-M	2.5	●	●	●	0.06-0.10-0.15
平头	MGMN200-T	0.2		●	●	0.05-0.07-0.10
	MGMN250-T	0.2		●	●	0.07-0.10-0.20
	MGMN300-T	0.4		●	●	0.10-0.20-0.30
	MGMN400-T	0.4		●	●	

TDC,TDT
双头槽刀片

TDC,TDT Grooving insert

特点:

刃口强壮, 铁屑控制好, 钢件和铸铁专用; 性能超越同类产品。

被加工对象:

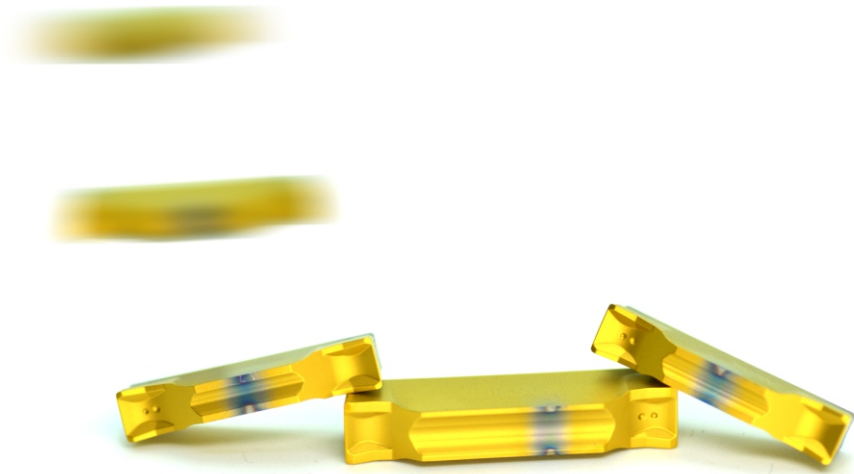
钢件及铸铁加工。

Feature:

Strong edge, well chip breaking, special for steel and cast iron, performance exceed similar product.

Application:

Steel, Cast iron.



		PVD		加工参数 parameters Vc (mm/min)
		KP9030	KP4130H	
工件 材 质	P 钢件加工 Steel	●	●	80-120-160
	P 钢件高速加工 Steel	●	●	150-180-250
	M 不锈钢 Stainless steel	●	●	60-80-120
	K 铸铁 Cast iron		●	120-150-200
	S 耐热合金 Heat-resisting steel			40-60-80
型号规格				每转进给 f mm
平头	TDC 200	●	●	0.05-0.07-0.10
	TDC 300	●	●	0.06-0.08-0.12
	TDC 400	●	●	0.07-0.10-0.20

ZTXD

小松鼠双头槽刀片

ZTXD Grooving insert

特点:

刃口强壮, 铁屑控制好, 钢件和铸铁专用; 性能超越同类产品。

被加工对象:

钢件及铸铁加工。

Feature:

Strong edge, well chip breaking, special for steel and cast iron, performance exceed similar product.

Application:

Steel, Cast iron.



		PVD		加工参数 parameters Vc (mm/min)	
		KP4430G	KP8130		
工件 材质	P	Steel	☺	☺	80-120-160
	P	钢件高速加工 Steel	☺	☺	150-180-250
	M	Stainless steel			60-80-120
	K	Cast iron	☺	☺	120-150-200
	S	Heat-resisting steel			40-60-80
		型号规格		每转进给 f mm	
平头	ZTED02503-MG	☺	☺	0.05-0.07-0.10	
	ZTFD0303-MG	☺	☺	0.06-0.08-0.12	
	ZTGD0404-MG	☺	☺	0.07-0.10-0.20	
	ZTHD0504-MG	☺	☺	0.10-0.20-0.30	

CUT 精密切槽刀片

CUT Grooving insert

特点:

刃口锋利，精度高，通用性强；

被加工对象:

不锈钢，钛合金，钢件加工。

Feature:

Sharp edge, high precision, wide cutting scope.

Application:

Stainless steel, Titanium alloy, Steel.



		PVD		硬质合金	加工参数 parameters
		KP4130	KP8130	CW20	
工件材质	P 钢件加工 Steel	☺	☺		Vc (mm/min) 80-120-160
	M 不锈钢 Stainless steel	☺	☺		60-80-120
	N 铝合金 Nonferrous meter			☺	180-220-300
	S Heat-resisting steel			☺	40-60-80
	S Titanium alloy	☺	☺		40-60-80
型号规格					每转进给 f mm
111R 050,075,080,100CUT		☺	☺	☺	0.03-0.04-0.06
111R 120,130,150CUT		☺	☺	☺	0.03-0.04-0.06
161(E) R 050,075,080,100,120CUT (圆头)		☺	☺	☺	0.04-0.05-0.07
161(E) R 130,150,180,200,250CUT (圆头)		☺	☺	☺	0.04-0.06-0.08

具体尺寸规格详见我公司综合样本。See our comprehensive sample for details.

TGF,GBA
精密槽刀片

TGF,GBA Grooving insert

特点:

刃口锋利, 精度高, 通用性强;

被加工对象:

不锈钢, 钛合金, 钢件加工。

Feature:

Sharp edge, high precision, wide cutting scope.

Application:

Stainless steel, Titanium alloy, Steel.

本产品均采用精磨周边。

		PVD		硬质合金	加工参数 parameters V _c (mm/min)
		KP4130	KP8130	CW20	
工件 材 质	P 钢件加工 Steel	☺	☺		80-120-160
	M Stainless steel	☺	☺		60-80-120
	N Nonferrous meter			☺	180-220-300
	S Heat-resisting steel	☺	☺		40-60-80
	S Titanium alloy		☺		40-60-80
型号规格					每转进给 f mm
TGMF32R/L 025-250		☺			0.03-0.04-0.06
TGF32R/L 023-250		☺	☺	☺	0.03-0.04-0.06
TG 43R/L 100-450		☺	☺	☺	0.03-0.04-0.06
GBA32R/L 050-250		☺	☺	☺	0.04-0.05-0.07
GBA43R/L 100-450		☺	☺	☺	0.04-0.06-0.08

具体尺寸规格详见我公司综合样本。See our comprehensive sample for details.



GR

双头精密槽刀片

GR Grooving insert



特点:

刃口锋利, 精度高, 通用性强;

被加工对象:

不锈钢, 钛合金, 钢件加工。

Feature:

Sharp edge, high precision, wide cutting scope.

Application:

Stainless steel, Titanium alloy, Steel.

		PVD			硬质合金	
		KP4130	KP8130	CW20		
工件材质	P	Steel	☺	☺	加工参数 V _c (mm/min)	
	M	Stainless steel	☺	☺	80-120-160	
	N	Nonferrous meter			☺	60-80-120
	S	Heat-resisting steel	☺	☺		180-220-300
	S	Titanium alloy	☺	☺		40-60-80
型号规格					每转进给 f mm	
6GR/L 050, 080, 100, 150		☺	☺	☺	0.03-0.04-0.06	
7GR/L 050, 080, 100, 150, 200		☺	☺	☺	0.03-0.04-0.06	
8GR/L 080, 100, 150, 200, 250		☺	☺	☺	0.04-0.05-0.07	
9GR/L 100, 150, 200, 250, 300		☺	☺	☺	0.04-0.06-0.08	

具体尺寸规格详见我公司综合样本。See our comprehensive sample for details.

WCG(M)X钻头刀片

WCG(M)X Drilling insert

特点:

切削阻力小, 铁屑控制好, 高品质, 高稳定性的通用产品;
性能超越进口同类顶级产品。

Feature:

Low cutting resistance, well chip breaking, high quality & stability.

Performance exceed famous brand.

CP2630T:



		PVD			加工参数 parameters Vc (mm/min)
		KP4630T	KP4430	KP4430G	
工件 材 质	P 钢件加工 Steel	✳	✳	●	80-120-160
	M 不锈钢 Stainless steel	✳	✳	●	60-80-120
	K 铸铁 Cast iron	✳	✳	●	120-150-200
	S 钛合金 Titanium alloy				40-60-80
	S 耐热合金 Heat-resisting steel	✳	✳	●	40-60-80
型号规格					f (mm/rev)
压制	WCMX030208-U	✳		●	0.05-0.08
	WCMX040208-U	✳		●	0.06-0.09
	WCMX050308-U	✳		●	0.07-0.10
	WCMX06T308-U	✳		●	0.08-0.12
	WCMX080412-U	✳		●	0.10-0.15
磨制 peripheral grinding	WCGX030208-ZK	✳	✳		0.05-0.08
	WCGX040208-ZK	✳	✳		0.06-0.09
	WCGX050308-ZK	✳	✳		0.07-0.10
	WCGX06T308-ZK	✳	✳		0.08-0.12
	WCGX080412-ZK	✳	✳		0.10-0.15

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

SPG(M)T 钻头刀片

SPG(M)T Drilling insert



特点:

切削阻力小，铁屑控制好，高品质，高稳定性的通用产品；
性能超越进口同类顶级产品。

Feature:

Low cutting resistance, well chip breaking, high quality & stability.

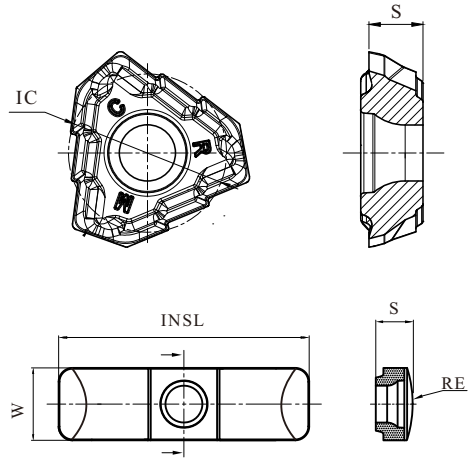
Performance exceed famous brand.

		PVD				加工参数 parameters Vc (mm/min)
		KP4430	KP4630T	KP4430G	KP4130H	
工件 材 质	P 钢件加工 Steel	✚	✚	●	✚	80-120-160
	M 不锈钢 Stainless steel	✚	✚	●	✚	60-80-120
	K 铸铁 Cast iron	✚	✚	✚		120-150-200
	S 钛合金 Titanium alloy	✚	✚		✚	40-60-80
	S 耐热合金 Heat-resisting steel	✚	✚		✚	40-60-80
型号规格						f (mm/rev)
压制	SPMT050204-U		✚	●		0.05-0.08
	SPMT060204-U		✚	●		0.06-0.09
	SPMT07T308-U		✚	●		0.07-0.10
	SPMT090408-U		✚	●		0.08-0.12
	SPMT110408-U		✚	●		0.10-0.14
	SPMT140508-U		✚	●		0.12-0.18
磨制 peripheral grinding	SPGT050204-CM	✚	✚		✚	0.05-0.08
	SPGT060204-CM	✚	✚		✚	0.06-0.09
	SPGT07T308-CM	✚	✚		✚	0.07-0.10
	SPGT090408-CM	✚	✚		✚	0.08-0.12
	SPGT110408-CM	✚	✚		✚	0.10-0.14
	SPGT140508-CM	✚	✚		✚	0.12-0.18

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

TOHT 枪钻刀片及 GP 导条

TOHT Gun drill insert and GP guide pads insert



						PVD				加工参数 parameters Vc (mm/min)		
						KP8130	KP4630T	KP4430	CP4130H			
工件 材 质	P	普通钢加工 Steel	20CrMoTi, S50C, 40Cr, SCM440				●	●	●	●	80-140	
	P	模具钢加工 Mould Steel	P20H, 718H, S316H, NAK80				●	●	●	●	40-120	
	M	不锈钢 Stainless steel	SUS201, 304, 316, 430, 630				●	●	●	●	60-100	
	K	铸铁 Cast iron	QT300-700, HT200-500, FC&FCD Type				●	●	●		80-160	
	S	耐热合金 Heat-resisting steel	Inconel 718, 713				●	●	●	●	20-50	
	S	钛合金 Titanium alloy	Ti-6Al-4V				●	●	●	●	20-50	
		型号规格	钻孔范围Dmm	IC	S					每转进给 f mm		
刀片	Gun drill	LOHT060204R-CM					●	●	●	●	0.04-0.10	
		TOHT070304R-CM		14 - 15.99	7.69	2.3		●	●	●	●	0.04-0.12
		TOHT080305R-CM		16 - 18	8.55	2.8		●	●	●	●	0.05-0.14
		TOHT090305R-CM		18.01 - 20	9.22	3.0		●	●	●	●	0.05-0.16
		TOHT100305R-CM		20.01 - 21.99	10.13	3.3		●	●	●	●	0.05-0.18
		TOHT110405R-CM		22 - 25	11.30	3.8		●	●	●	●	0.05-0.20
		TOHT120405R-CM		25.01 - 28	12.49	4.3		●	●	●	●	0.05-0.20
		TOHT130408R-CM		28.01-30				●	●	●	●	0.05-0.20
		型号规格	钻孔范围Dmm	W	INSL	S	RE					通装
导向条	Guide pads	GP04-055	12 - 13.99	4	16	2.0	55	●	●			Iscar Taegutec
		GP05-060	14 - 15.99	5	18	2.5	65	●	●			
		GP05-075	16-18	5	18	2.5	75	●	●			
		GP06-085	18.01-21	6	20	3	85	●	●			
		GP06-100	21.01-25	6	20	3	100	●	●			
		GP06-120	25.01-33	6	20	3	120	●	●			
		GP07-120	33.01-38	7	20	3.5	120	●	●			
		GP08-155	38.01-40	8	25	4.5	155	●	●			
		GP10-200	40.01-45	10	30	5.5	200	●	●			

矢志不渝

追求完美

