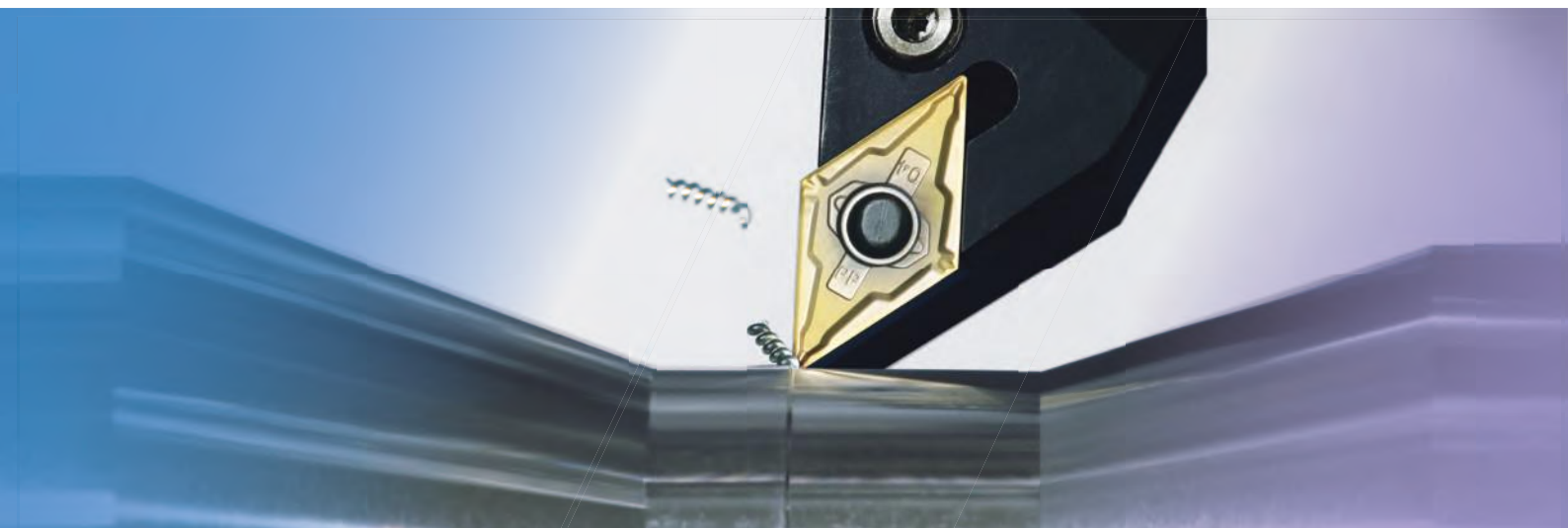


THE NEW VALUE FRONTIER



鋼加工用混合金屬陶瓷

PV720 / PV730



金屬陶瓷尖端技術的結晶。實現高品質精加工面及高效率加工

京瓷史上強韌金屬陶瓷之首 PV730 新發售

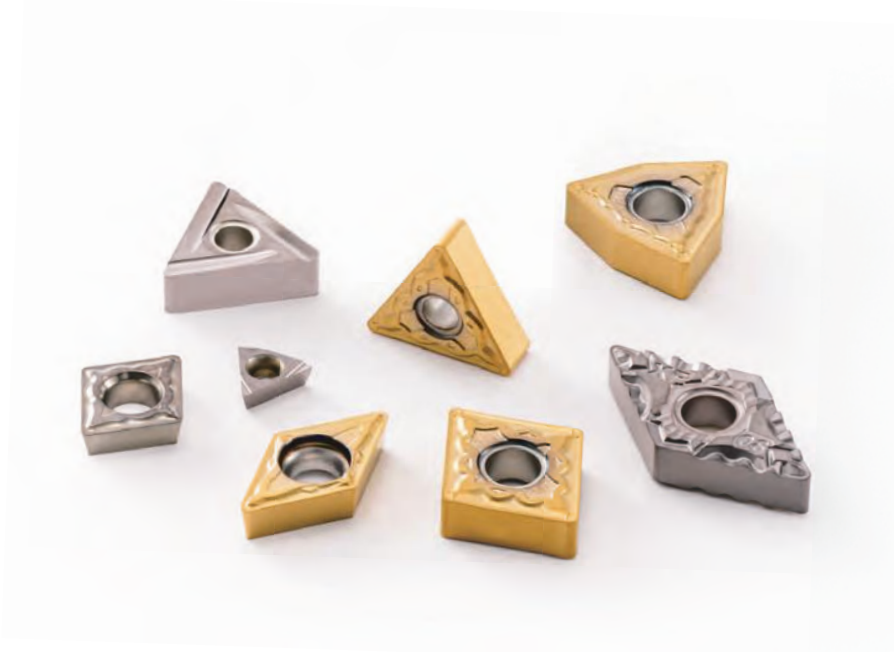
產品陣容完善，可對應對多種加工
採用3種特殊強化技術（混合技術）

通用

PV720

重視穩定性

PV730 NEW



PV720 / PV730

採用3種特殊強化技術（混合技術）實現高品質精加工面及高效率加工

新發售

1 京瓷史上強韌金屬陶瓷之首 PV730

產品陣容追加重視穩定性的PV730
隨著系列產品拓展，可覆蓋更廣泛的加工領域

高速加工用

PV710

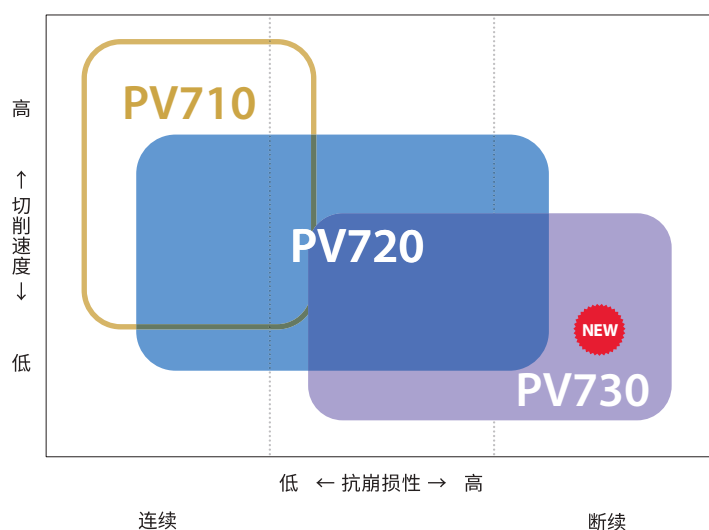
通用

PV720 第1推荐
-優異耐磨損性-

重視穩定性

PV730 NEW 強韌金屬陶瓷
-高度穩定性-

抗崩損性: 与其他公司同级别相比达到2倍以上
(来自社内评测)



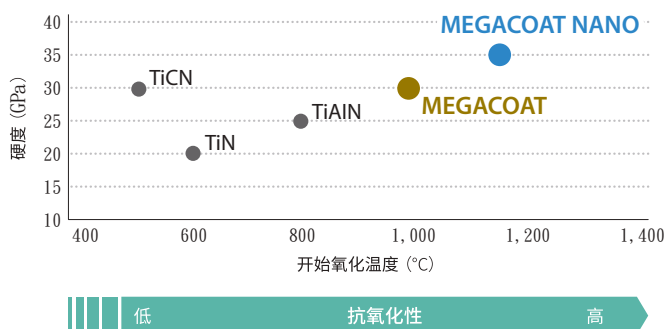
產品陣容也包含無鍍層系列 TN610 / TN620

MEGACOAT NANO®

除了高性能 MEGACOAT NANO 鍍層
表面附加了TiN複合塗層，耐粘著性優異，且可輕鬆辨識已使用刀尖



涂层特性

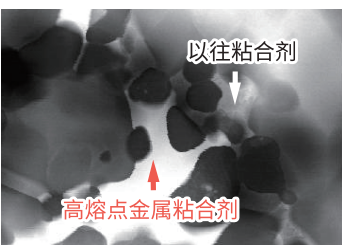


2 3 種特殊強化技術 (混合技術)

1. 高品質精加工面 -高融點混合粘劑-

复合了以往金属陶瓷粘剂(镍、钴)及高熔点金属粘剂
可抑制切削时粘剂的软化并实现高耐粘着性及优异精加工面品质

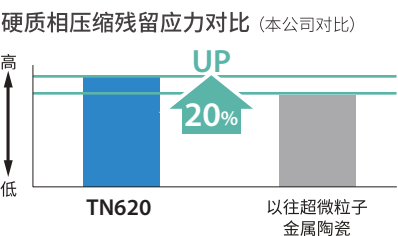
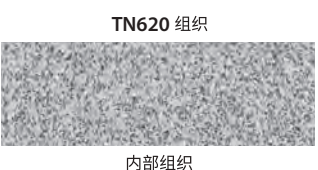
技術 1 高融點混合粘劑



2. 優異抗崩損性 -超微粒子高融點混合硬質層-

通过均匀超微粒子硬质层得到的高强度化, 高熔点粘剂实现高压缩应力并提高抗崩损性

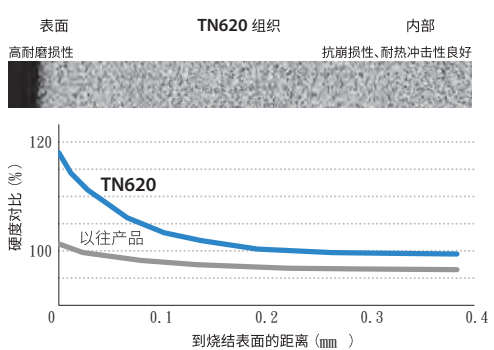
技術 2 超微粒子混合硬質層



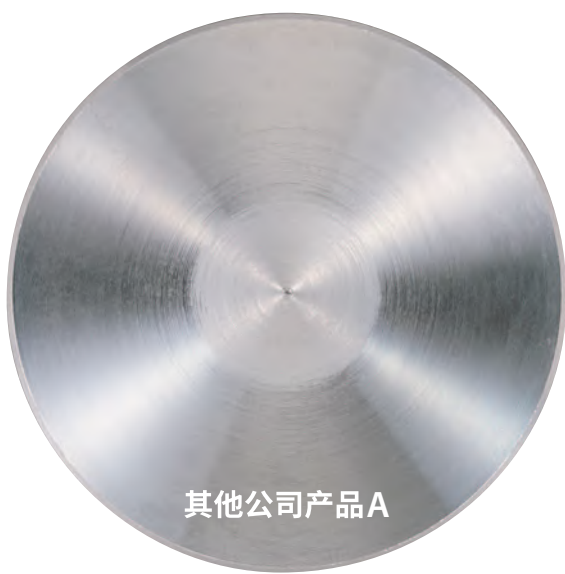
3. 優異耐磨損性 -特殊表面硬化混合結構-

特殊倾斜组合得到的高硬度「表面硬化层」确保优异耐磨损性及抗崩损性的平衡
※PV730为重视抗崩损性的金属陶瓷, 因此不同

技術 3 特殊表面硬化混合結構

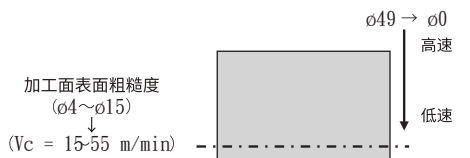


内部韧性高, 抗崩损性及耐热冲击性优异, 与以往产品(超微粒子金属陶瓷)相比表面附近硬度更高, 耐磨损性更好(本公司对比)



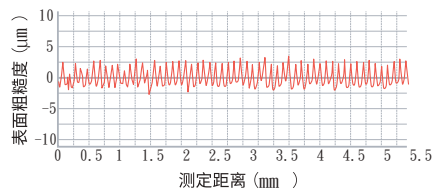
優異精加工面 (本公司对比)

切削参数: $V_c=180\sim 0$ m/min(转速固定), $a_p = 0.5$ mm
 $f = 0.1$ mm/rev, Wet, CNMG120404加工材料: S10C



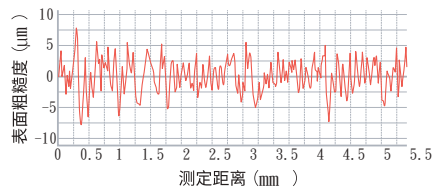
優異精加工面

PV720



精加工面有白濁

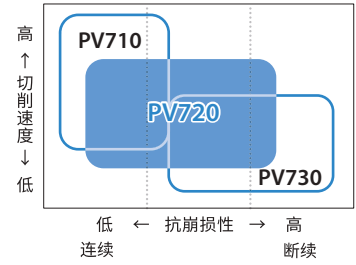
其他公司产品A



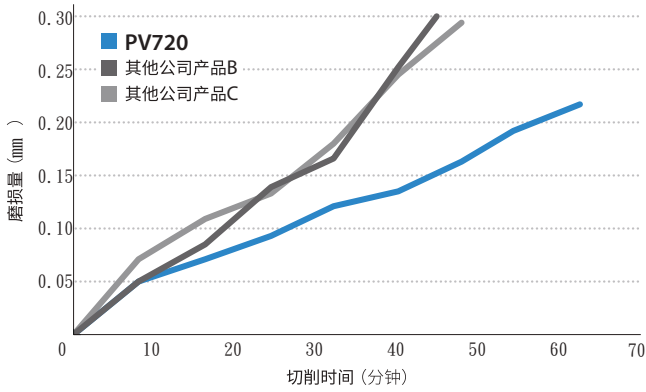
通用

PV720

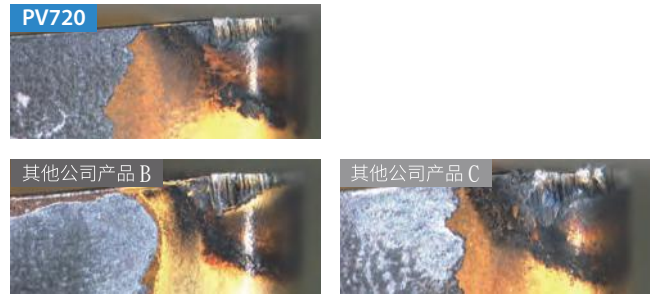
第1推荐 - 優異耐磨損性 -
實現高效率加工及高品質精加工面



耐磨損性對比 (本公司對比)



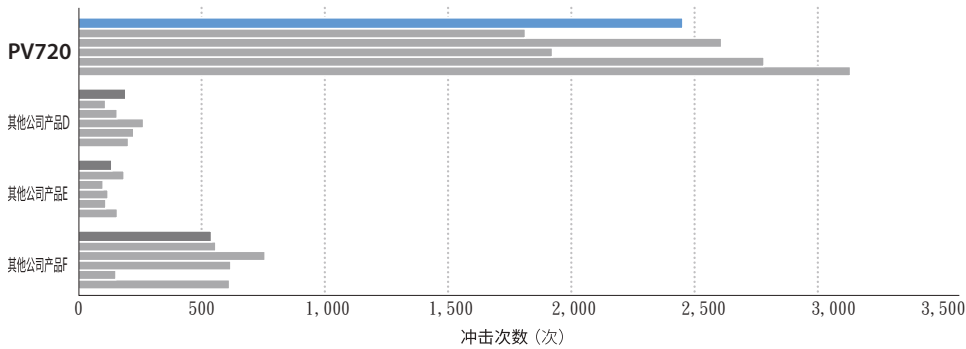
切削時間：48分鐘後



切削參數：Vc = 250 m/min, ap = 1.0 mm, f = 0.2 mm/rev, Wet, CNMG120408

加工材料：SCM435

抗崩損性對比 (本公司對比)



图表最上部为各平均值

切削參數：Vc = 250 m/min, ap = 1.0 mm, f = 0.2 mm/rev, Wet, CNMG120408 材料：S45C (帶4條槽)

PV710

可實現長壽命高速·連續加工



產品線也包括無鍍層金屬陶瓷 TN610 / TN620

推荐切削参数表

	切削速度：Vc(m/min)		
	低碳钢 低碳合金钢 150HB以下	中碳钢 中碳合金钢 250HB以下	高碳合金钢 300HB以下
TN610	150 - 250 - 350		150 - 230 - 300
TN620	100 - 200 - 300		100 - 180 - 250

	切削速度：Vc(m/min)		
	低碳钢 低碳合金钢 150HB以下	中碳钢 中碳合金钢 250HB以下	高碳合金钢 300HB以下
PV710	150 - 300 - 400		150 - 250 - 330
PV720	100 - 250 - 350		100 - 200 - 280
PV730	100 - 180 - 250		100 - 180 - 250

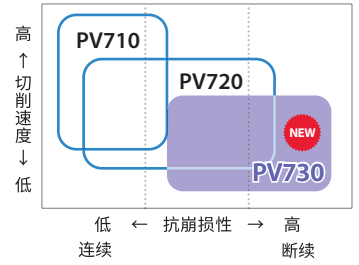
重視穩定性

PV730

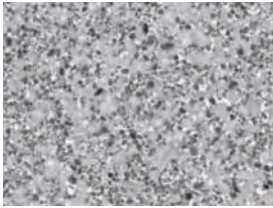
實現高穩定性及高品質精加工面

NEW

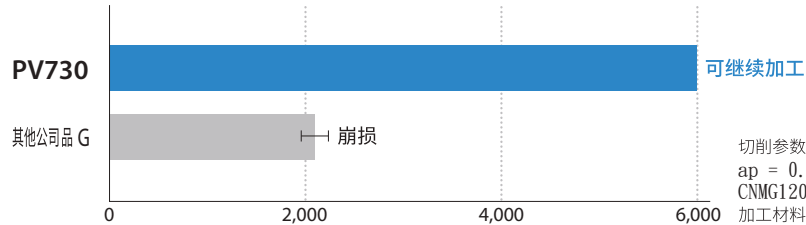
新開發超微粒強韌金屬陶瓷提高抗崩損性，實現良好精加工面及耐磨損性



新開發強韌金屬陶瓷



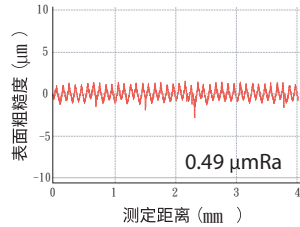
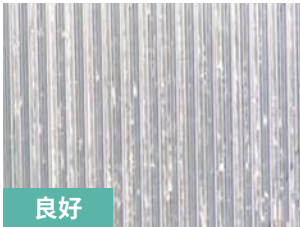
抗崩損性對比 (本公司對比)



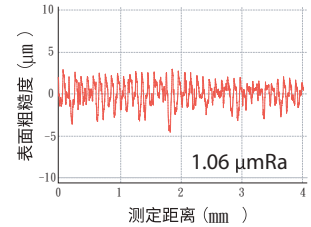
切削參數: $V_c = 180 \text{ m/min}$
 $a_p = 0.5 \text{ mm}$, $f = 0.25 \text{ mm/rev}$, Wet
 CNMG120408 型
 加工材料: S45C (銼槽) $n=3$

精加工面對比 (本公司對比)

PV730



其他公司品 H



切削參數: $V_c = 100 \text{ m/min}$, $a_p = 0.5 \text{ mm}$, $f = 0.1 \text{ mm/rev}$, Wet, CNMG120408 加工材料: S10C

刀尖狀態對比-加工40分後 - (本公司對比)

PV730



其他公司品 I



切削參數: $V_c = 250 \text{ m/min}$
 $a_p = 1.0 \text{ mm}$, $f = 0.2 \text{ mm/rev}$, Wet
 CNMG120408 型 加工材料: S45C

對應自動車床加工

透過提高母材強度，完備 3D G級斷屑槽產品線 (鋒利刀尖)

精加工用

SKS 斷屑槽

切深: 0.2 mm~1.5 mm
 實現優異切屑處理及精加工面



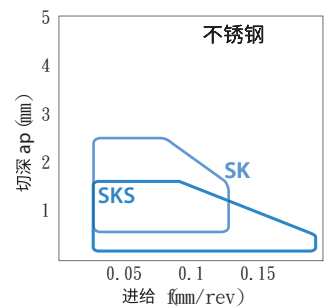
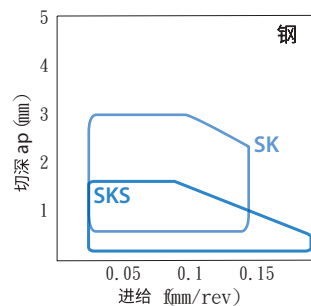
半精加工用

SK 斷屑槽

切深: 0.5 mm~3.0 mm
 兼具切削效果與切屑處理的3維斷屑槽



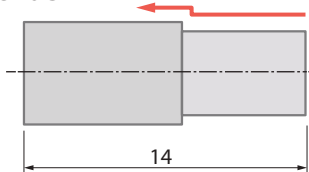
第1推薦斷屑槽 (低阻力型)



解決方案

自動車床加工: SK 斷屑槽(PV730) 壽命達到4倍以上

閥門 S20C



加工數量

PV730 (SK斷屑槽)

3,000 個/刀尖 (4.0 μmRz)

其他公司PVD 金屬陶瓷 J

750 個/刀尖 (5.0 μmRz)

壽命

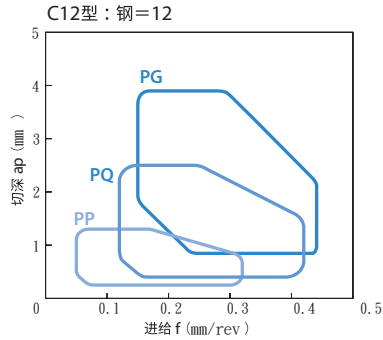
4.0 倍

切削參數: $V_c = 160 \text{ m/min}$, $a_p = 0.5 \text{ mm}$, $f = 0.03 \text{ mm/rev}$ (低阻力型) Wet DCGT11T302MFP-SK

鋼加工用 智能斷屑槽P系列

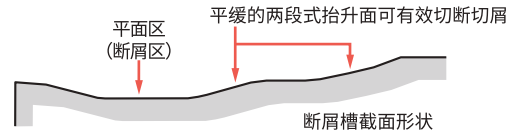
PP / PQ / PG 斷屑槽

負角型



精加工 ~ 半精加工 PQ 斷屑槽

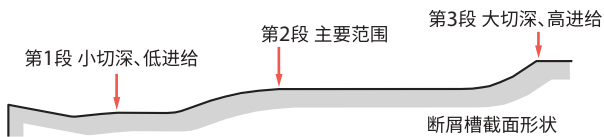
斷屑效果可抑制高進給加工時的堵屑及阻力問題，可對應廣泛加工領域



精加工 PP 斷屑槽

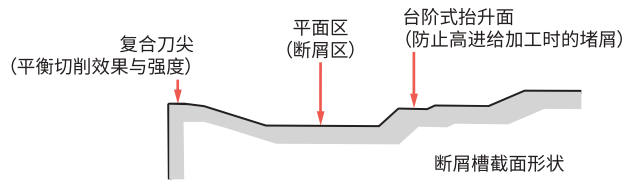
改善小切深、高進給加工時的堵屑、纏屑問題

根據加工條件不同，作用位置也會變化



半精加工 ~ 粗加工 PG 斷屑槽

在廣泛切屑處理領域實現穩定加工



修光刃刀片

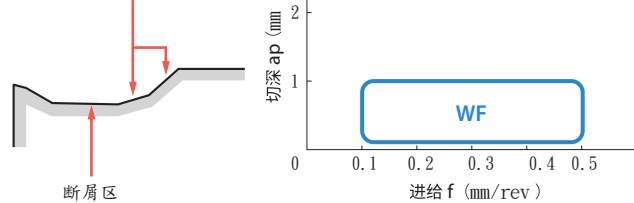
WE / WF 斷屑槽

負角型



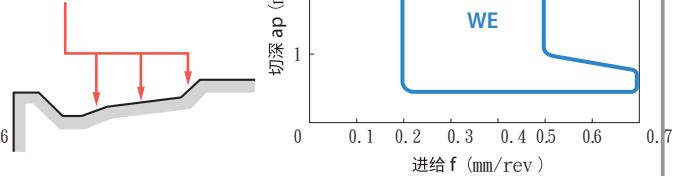
精加工 WF 斷屑槽 (修光刃刀片)

斷屑槽截面形狀
兩段式抬升面



精加工 ~ 半精加工 WE 斷屑槽 (修光刃刀片)

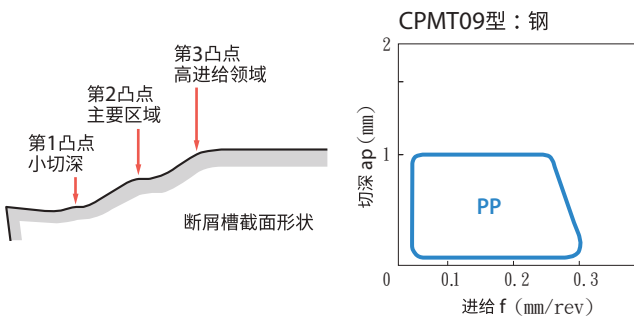
斷屑槽截面形狀
角度不同的抬升面
可對應廣泛加工領域



正角型

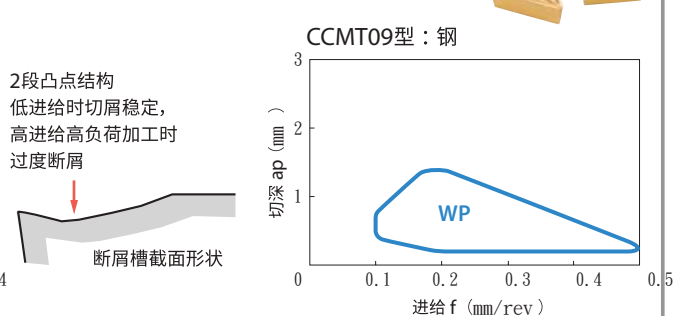
精加工 PP 斷屑槽

高可靠性可提高精加工的生产效率









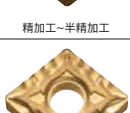



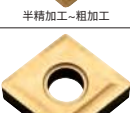
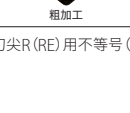











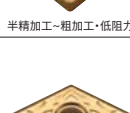


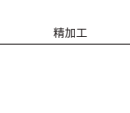

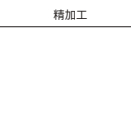

精加工 WP 斷屑槽 (修光刃刀片)

新設計修光刃切刃形狀可發揮高生产效率



标准库存(负角)







形状	型号	尺寸(mm)				刀尖R(RE)	PV710	PV720	PV730	TN610	TN620
		内接圆直径	厚度	孔径	孔深						
 精加工·带修光刃	CNMG 120404 WF 120408 WF	12.70	4.76	5.16	0.4 0.8	●	●	●	●	●	
 精加工·带修光刃	CNMG 120404 WP 120408 WP	12.70	4.76	5.16	0.4 0.8	●	●	●	●	●	
 精加工~半精加工·带修光刃	CNMG 120404 WE 120408 WE 120412 WE	12.70	4.76	5.16	0.4 0.8 1.2	●	●	●	●	●	
 精加工~半精加工·带修光刃	CNMG 120404 WQ 120408 WQ 120412 WQ	12.70	4.76	5.16	0.4 0.8 1.2	●	●	●	●	●	
 精加工	CNMG 120402 PP 120404 PP 120408 PP 120412 PP	12.70	4.76	5.16	0.2 0.4 0.8 1.2	●	●	●	●	●	
 精加工	CNMG 090404 GP 090408 GP	9.525	4.76	3.81	0.4 0.8	●	●	●	●	●	
 精加工	CNMG 120402 GP 120404 GP 120408 GP	12.70	4.76	5.16	0.2 0.4 0.8	●	●	●	●	●	
 精加工~半精加工	CNMG 120404 PQ 120408 PQ 120412 PQ	12.70	4.76	5.16	0.4 0.8 1.2	●	●	●	●	●	
 精加工~半精加工	CNMG 090404 HQ 090408 HQ	9.525	4.76	3.81	0.4 0.8	●	●	●	●	●	
 精加工~半精加工	CNMG 120404 HQ 120408 HQ 120412 HQ	12.70	4.76	5.16	0.4 0.8 1.2	●	●	●	●	●	
 精加工~半精加工·提拉	CNMG 120404 CQ 120408 CQ	12.70	4.76	5.16	0.4 0.8	●	●	●	●	●	
 半精加工~粗加工	CNMG 090404 GS 090408 GS	9.525	4.76	3.81	0.4 0.8	●	●	●	●	●	
 半精加工~粗加工	CNMG 120404 GS 120408 GS	12.70	4.76	5.16	0.4 0.8	●	●	●	●	●	
 半精加工~粗加工	CNMG 120404 PG 120408 PG 120412 PG	12.70	4.76	5.16	0.4 0.8 1.2	●	●	●	●	●	
 半精加工~粗加工	CNMG 120404 PS 120408 PS	12.70	4.76	5.16	0.4 0.8	●	●	●	●	●	
 粗加工	CNMG 120404 120408	12.70	4.76	5.16	0.4 0.8	●	●	●	●	●	

形状 有方向的刀片 图示为右手(R)	型号	尺寸(mm)				刀尖R(RE)	PV710	PV720	PV730	TN610	TN620
		内接圆直径	厚度	孔径	孔深						
 软钢·精加工·小切深	CNMG 120404 XF 120408 XF	12.70	4.76	5.16	0.4 0.8	●	●	●	●	●	
 软钢·精加工	CNMG 120404 XP 120408 XP	12.70	4.76	5.16	0.4 0.8	●	●	●	●	●	
 软钢·半精加工	CNMG 120404 XQ 120408 XQ	12.70	4.76	5.16	0.4 0.8	●	●	●	●	●	
 软钢·粗加工	CNMG 120408 XS	12.70	4.76	5.16	0.8	●	●	●	●	●	
 精加工~半精加工·锋利刀尖 镜面规格	CNGG 120402MFP-SK 120404MFP-SK	12.70	4.76	5.16	< 0.2 < 0.4			●			
 精加工·重视粗糙度·锋利刀尖	CNGG 090402 R/L-S 090404 R/L-S 090408 R/L-S	9.525	4.76	3.81	0.2 0.4 0.8	●	●	●	●	●	
 中切削	CNGG 120404 R/L 120408 R/L	12.70	4.76	5.16	0.4 0.8	●	●	●	●	●	
 半精加工~粗加工·低阻力	CNGG 120404 R/L-25R 120408 R/L-25R	12.70	4.76	5.16	0.4 0.8	●	●	●	●	●	
 精加工·带修光刃	DNMX 150404 WF 150408 WF 150412 WF	12.70	4.76	5.16	0.4 0.8 1.2	●	●	●	●	●	
 精加工	DNMX 150604 WF 150608 WF 150612 WF	12.70	6.35	5.16	0.4 0.8 1.2	●	●	●	●	●	
 精加工	DNMG 150402 PP 150404 PP 150408 PP 150412 PP	12.70	4.76	5.16	0.2 0.4 0.8 1.2	●	●	●	●	●	
 精加工	DNMG 150602 PP 150604 PP 150608 PP 150612 PP	12.70	6.35	5.16	0.2 0.4 0.8 1.2	●	●	●	●	●	
 精加工	DNMG 110404 GP 110408 GP	9.525	4.76	3.81	0.4 0.8	●	●	●	●	●	
 精加工	DNMG 150402 GP 150404 GP 150408 GP	12.70	4.76	5.16	0.2 0.4 0.8	●	●	●	●	●	
 精加工	DNMG 150602 GP 150604 GP 150608 GP	12.70	6.35	5.16	0.2 0.4 0.8	●	●	●	●	●	

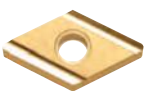
刀尖R (RE) 用不等号 (例: <0.1, <0.2等) 标示的刀片为刀尖R (RE) 负公差产品

● : 标准库存





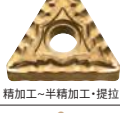

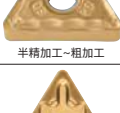

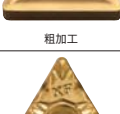
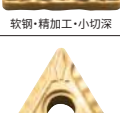
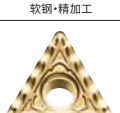

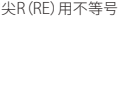
标准库存(负角)

形状	型号	尺寸(mm)				刀尖R(RE)	PV710	PV720	PV730	TN610	TN620
		内接圆直径	厚度	孔径	孔深						
	DNMG150404 PQ	12.70	4.76	5.16	0.4	●	●	●	●	●	
	150408 PQ				0.8	●	●	●	●	●	
	150412 PQ				1.2	●	●	●	●	●	
精加工~半精加工	DNMG150604 PQ	12.70	6.35	5.16	0.4	●	●	●	●	●	
	150608 PQ				0.8	●	●	●	●	●	
	150612 PQ				1.2	●	●	●	●	●	
	DNMG110402 HQ	9.525	4.76	3.81	0.2	●	●	●	●	●	
	110404 HQ				0.4	●	●	●	●	●	
	DNMG150404 HQ				12.70	4.76	5.16	0.4	●	●	●
150408 HQ	0.8	●	●	●				●	●		
150412 HQ	1.2	●	●	●				●	●		
精加工~半精加工	DNMG150604 HQ	12.70	6.35	5.16	0.4	●	●	●	●	●	
	150608 HQ				0.8	●	●	●	●	●	
	150612 HQ				1.2	●	●	●	●	●	
	DNMG150404 CQ	12.70	4.76	5.16	0.4	●	●	●	●	●	
	150408 CQ				0.8	●	●	●	●	●	
	150412 CQ				1.2	●	●	●	●	●	
精加工~半精加工+提拉	DNMG150604 CQ	12.70	6.35	5.16	0.4	●	●	●	●	●	
	DNMG110404 GS	9.525	4.76	3.81	0.4	●	●	●	●	●	
110408 GS	0.8				●	●	●	●	●		
半精加工~粗加工	DNMG150404 GS	12.70	4.76	5.16	0.4	●	●	●	●	●	
	150408 GS				0.8	●	●	●	●	●	
	DNMG150404 PG	12.70	4.76	5.16	0.4	●	●	●	●	●	
	150408 PG				0.8	●	●	●	●	●	
	150412 PG				1.2	●	●	●	●	●	
半精加工~粗加工	DNMG150604 PG	12.70	6.35	5.16	0.4	●	●	●	●	●	
	150608 PG				0.8	●	●	●	●	●	
	150612 PG				1.2	●	●	●	●	●	
	DNMG150404 PS	12.70	4.76	5.16	0.4	●	●	●	●	●	
	150408 PS				0.8	●	●	●	●	●	
半精加工~粗加工	DNMG150404	12.70	4.76	5.16	0.4	●	●	●	●	●	
	150408				0.8	●	●	●	●	●	
粗加工	DNMG150404 XF	12.70	4.76	5.16	0.4	●	●	●	●	●	
	150408 XF				0.8	●	●	●	●	●	
软钢·精加工·小切深	DNMG150404 XP	12.70	4.76	5.16	0.4	●	●	●	●	●	
	150408 XP				0.8	●	●	●	●	●	
软钢·精加工	DNMG150604 XP	12.70	6.35	5.16	0.4	●	●	●	●	●	
	150608 XP				0.8	●	●	●	●	●	
	DNMG150404 XQ	12.70	4.76	5.16	0.4	●	●	●	●	●	
	150408 XQ				0.8	●	●	●	●	●	
软钢·半精加工	DNMG150408 XS	12.70	4.76	5.16	0.8	●	●	●	●	●	
	DNMG150408 XS				0.8	●	●	●	●	●	
软钢·粗加工	DNGG150402MFP-SK	12.70	4.76	5.16	<	●	●	●	●	●	
	150404MFP-SK				0.2	●	●	●	●	●	
精加工~半精加工·锋利刀尖 镜面规格	DNGG150402MFP-SK	12.70	4.76	5.16	<	●	●	●	●	●	
	150404MFP-SK				0.4	●	●	●	●	●	


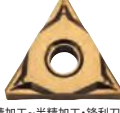

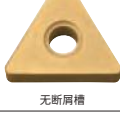

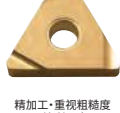






刀尖R(RE)用不等号(例: <0.1,<0.2等)标示的刀片为刀尖R(RE)负公差产品

形状	型号	尺寸(mm)				刀尖R(RE)	PV710	PV720	PV730	TN610	TN620
		内接圆直径	厚度	孔径	孔深						
	DNGG150404 R/L	12.70	4.76	5.16	0.4	●	●	●	●	●	
	150408 R/L				0.8	●	●	●	●	●	
中切削	RNMG090300	9.525	3.18	3.81	-	●	●	●	●	●	
	RNMG120400	12.70	4.76	5.16	-	●	●	●	●	●	
半精加工~粗加工	SNMG120404 PQ	12.70	4.76	5.16	0.4	●	●	●	●	●	
	120408 PQ				0.8	●	●	●	●	●	
精加工~半精加工	SNMG120404 HQ	12.70	4.76	5.16	0.4	●	●	●	●	●	
	120408 HQ				0.8	●	●	●	●	●	
精加工~半精加工	SNMG120412 HQ	12.70	4.76	5.16	0.4	●	●	●	●	●	
	120408 HQ				0.8	●	●	●	●	●	
	120412 HQ				1.2	●	●	●	●	●	
粗加工	SNMG120408 PG	12.70	4.76	5.16	0.8	●	●	●	●	●	
	120412 PG				1.2	●	●	●	●	●	
半精加工~粗加工	SNMG120416 PG	12.70	4.76	5.16	1.6	●	●	●	●	●	
	SNMG090304				9.525	3.18	3.81	0.4	●	●	●
090308	0.8	●	●	●				●	●		
粗加工	SNMG120404	12.70	4.76	5.16	0.4	●	●	●	●	●	
	120408				0.8	●	●	●	●	●	
	120412				1.2	●	●	●	●	●	
	120416				1.6	●	●	●	●	●	
	120420				2.0	●	●	●	●	●	
软钢·精加工	SNMG120408 XP	12.70	4.76	5.16	0.8	●	●	●	●	●	
	SNMG120408 XQ	12.70	4.76	5.16	0.8	●	●	●	●	●	
软钢·半精加工	SNMG120408 XS	12.70	4.76	5.16	0.8	●	●	●	●	●	
	SNGG090304 R/L-B	9.525	3.18	3.81	0.4	●	●	●	●	●	
090308 R/L-B	0.8				●	●	●	●	●		
B: 精加工~半精加工 C: 半精加工~粗加工	SNGG120404 R/L-C	12.70	4.76	5.16	0.4	●	●	●	●	●	
	120408 R/L-C				0.8	●	●	●	●	●	
	SNMG120404 R/L-C				12.70	4.76	5.16	0.4	●	●	●
120408 R/L-C	0.8	●	●	●				●	●		
半精加工~粗加工·低阻力	SNGG120404 R/L-25R	12.70	4.76	5.16	0.4	●	●	●	●	●	
	120408 R/L-25R				0.8	●	●	●	●	●	
精加工·带修光刃	TNMX160404 WF	9.525	4.76	3.81	0.4	●	●	●	●	●	
	160408 WF				0.8	●	●	●	●	●	
	160412 WF				1.2	●	●	●	●	●	

标准库存(负角)







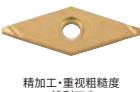
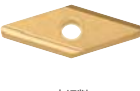



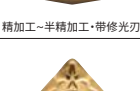
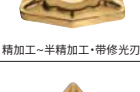
形状	型号	尺寸(mm)				PV710	PV720	PV730	TN610	TN620
		内接圆直径	厚度	孔径	刀尖R(RE)					
 精加工	TNMG 160402 PP	9.525	4.76	3.81	0.2	●	●	●	●	●
	160404 PP				0.4	●	●	●	●	●
	160408 PP				0.8	●	●	●	●	●
	160412 PP				1.2	●	●	●	●	●
 精加工	TNMG 110404 GP	6.35	4.76	2.26	0.4	●	●	●	●	
	110408 GP				0.8	●	●	●	●	
 精加工~半精加工	TNMG 160402 GP	9.525	4.76	3.81	0.2	●	●	●	●	
	160404 GP				0.4	●	●	●	●	
	160408 GP				0.8	●	●	●	●	
	160412 GP				0.8	●	●	●	●	
 精加工~半精加工	TNMG 160404 PQ	9.525	4.76	3.81	0.4	●	●	●	●	
	160408 PQ				0.8	●	●	●	●	
	160412 PQ				1.2	●	●	●	●	
 精加工~半精加工	TNMG 110404 HQ	6.35	4.76	2.26	0.4	●	●	●	●	
	110408 HQ				0.8	●	●	●	●	
 精加工~半精加工	TNMG 160404 HQ	9.525	4.76	3.81	0.4	●	●	●	●	
	160408 HQ				0.8	●	●	●	●	
	160412 HQ				1.2	●	●	●	●	
					1.2	●	●	●	●	
 精加工~半精加工+提拉	TNMG 160404 CQ	9.525	4.76	3.81	0.4	●	●	●	●	
	160408 CQ				0.8	●	●	●	●	
	160412 CQ				1.2	●	●	●	●	
 半精加工~粗加工	TNMG 110404 GS	6.35	4.76	2.26	0.4	●	●	●	●	
	TNMG 160404 GS				9.525	4.76	3.81	0.4	●	●
TNMG 160408 GS	0.8	●	●	●				●		
 半精加工~粗加工	TNMG 160404 PG	9.525	4.76	3.81	0.4	●	●	●	●	
	160408 PG				0.8	●	●	●	●	
	160412 PG				1.2	●	●	●	●	
 半精加工~粗加工	TNMG 160404 PS	9.525	4.76	3.81	0.4	●	●	●	●	
	160408 PS				0.8	●	●	●	●	
 粗加工	TNMG 160404	9.525	4.76	3.81	0.4	●	●	●	●	
	160408				0.8	●	●	●	●	
	160412				1.2	●	●	●	●	
 粗加工	TNMG 220408	12.70	4.76	5.16	0.8	●	●	●	●	
					0.8	●	●	●	●	
 软钢·精加工·小切深	TNMG 160404 XF	9.525	4.76	3.81	0.4	●	●	●	●	
	160408 XF				0.8	●	●	●	●	
 软钢·精加工	TNMG 160404 XP	9.525	4.76	3.81	0.4	●	●	●	●	
	160408 XP				0.8	●	●	●	●	
 软钢·半精加工	TNMG 160404 XQ	9.525	4.76	3.81	0.4	●	●	●	●	
	160408 XQ				0.8	●	●	●	●	
 软钢·粗加工	TNMG 160408 XS	9.525	4.76	3.81	0.8	●	●	●	●	
					0.8	●	●	●	●	



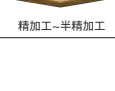


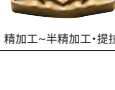









刀尖R(RE)用不等号(例: <0.1,<0.2等)标示的刀片为刀尖R(RE)负公差产品

形状 有方向的刀片 图示为右手(R)	型号	尺寸(mm)				PV710	PV720	PV730	TN610	TN620
		内接圆直径	厚度	孔径	刀尖R(RE)					
 精加工~半精加工	TNGG 160402 M-SK	9.525	4.76	3.81	< 0.2	●	●	●	●	
	160404 M-SK				< 0.2	●	●	●	●	
					< 0.4	●	●	●	●	
					< 0.4	●	●	●	●	
 精加工~半精加工·锋利刀尖 镜面规格	TNGG 160401MFP-SK	9.525	4.76	3.81	< 0.1	●	●	●	●	
	160402MFP-SK				< 0.2	●	●	●	●	
	160404MFP-SK				< 0.2	●	●	●	●	
					< 0.4	●	●	●	●	
 半精加工~粗加工	TNMG 160404 R/L-ST	9.525	4.76	3.81	0.4	●	●	●	●	
	160408 R/L-ST				0.8	●	●	●	●	
 无断屑槽	TNMA 160404	9.525	4.76	3.81	0.4	●	●	●	●	
	160408				0.8	●	●	●	●	
 超精密	TNEG 160402 R/L-SSF	9.525	4.76	3.81	0.2	●	●	●	●	
	160404 R/L-SSF				0.4	●	●	●	●	
					0.4	●	●	●	●	
 精加工·重视粗糙度 ·锋利刀尖	TNGG 160401 R/L-S	9.525	4.76	3.81	0.1	●	●	●	●	
	160402 R/L-S				0.2	●	●	●	●	
	160404 R/L-S				0.4	●	●	●	●	
	160408 R/L-S				0.8	●	●	●	●	
 B: 精加工~半精加工 C: 半精加工~粗加工	TNGG 110302 R/L-B	6.35	3.18	2.26	0.2	●	●	●	●	
	110304 R/L-B				0.4	●	●	●	●	
	TNGG 160402 R/L-B	9.525	4.76	3.81	0.2	●	●	●	●	
	160404 R/L-B				0.4	●	●	●	●	
TNGG 160408 R/L-B	0.8	●	●	●	●					
 B: 精加工~半精加工 C: 半精加工~粗加工	TNGG 160402 R/L-C	9.525	4.76	3.81	0.2	●	●	●	●	
	160404 R/L-C				0.4	●	●	●	●	
	160408 R/L-C				0.8	●	●	●	●	
	160412 R/L-C				1.2	●	●	●	●	
TNGG 220404 R/L-C	12.70	4.76	5.16	0.4	●	●	●	●		
220408 R/L-C				0.8	●	●	●	●		
TNMG160404 R/L-C	9.525	4.76	3.81	0.4	●	●	●	●		
160408 R/L-C	0.8	●	●	●	●	●	●	●		
 半精加工~粗加工·低阻力	TNGG 160404 R/L-25R	9.525	4.76	3.81	0.4	●	●	●	●	
	160408 R/L-25R				0.8	●	●	●	●	
 精加工	VNMG 160402 PP	9.525	4.76	3.81	0.2	●	●	●	●	
	160404 PP				0.4	●	●	●	●	
	160408 PP				0.8	●	●	●	●	
	160412 PP				1.2	●	●	●	●	
 精加工	VNMG 160402 GP	9.525	4.76	3.81	0.2	●	●	●	●	
	160404 GP				0.4	●	●	●	●	
	160408 GP				0.8	●	●	●	●	
 精加工~半精加工	VNMG 160404 R/L-VC	9.525	4.76	3.81	0.4	●	●	●	●	
	160408 R/L-VC				0.8	●	●	●	●	
	160412 R/L-VC				1.2	●	●	●	●	

●: 标准库存

标准库存(负角)

形状 有方向的刀片 图示为右手(R)	型号	尺寸(mm)				刀尖 R(RE)	PV710	PV720	PV730	TN610	TN620
		内接圆 直径	厚度	孔径	孔深						
 精加工~半精加工	VNMG160404 VF 160408 VF 160412 VF	9.525	4.76	3.81	0.4 0.8 1.2	●	●	●	●	●	
 精加工~半精加工	VNMG160404 PQ 160408 PQ 160412 PQ	9.525	4.76	3.81	0.4 0.8 1.2	●	●	●	●	●	
 精加工~半精加工	VNMG160404 HQ 160408 HQ 160412 HQ	9.525	4.76	3.81	0.4 0.8 1.2	●	●	●	●	●	
 粗加工	VNMG160404 160408	9.525	4.76	3.81	0.4 0.8	●	●	●	●	●	
 精加工~半精加工	VNGG160402 M-SK 160404 M-SK	9.525	4.76	3.81	< 0.2 < 0.4	●	●	●	●	●	
 精加工~半精加工·锋利刀尖 镜面规格	VNGG160402MFP-SK 160404MFP-SK	9.525	4.76	3.81	< 0.2 < 0.4		●				
 精加工·重切粗糙度 ·锋利刀尖	VNGG160402 R/L-S 160404 R/L-S	9.525	4.76	3.81	0.2 0.4	●	●		●		
 中切削	VNGG160402 R/L 160404 R/L 160408 R/L	9.525	4.76	3.81	0.2 0.4 0.8	●	●	●	●	●	
 精加工·带修光刃	WNMG080404 WF 080408 WF	12.70	4.76	5.16	0.4 0.8	●	●		●	●	
 精加工·带修光刃	WNMG080404 WP 080408 WP	12.70	4.76	5.16	0.4 0.8	●	●		●	●	
 精加工~半精加工·带修光刃	WNMG080404 WE 080408 WE 080412 WE	12.70	4.76	5.16	0.4 0.8 1.2	●	●		●	●	
 精加工~半精加工·带修光刃	WNMG080404 WQ 080408 WQ 080412 WQ	12.70	4.76	5.16	0.4 0.8 1.2	●	●		●	●	
 精加工	WNMG080402 PP 080404 PP 080408 PP 080412 PP	12.70	4.76	5.16	0.2 0.4 0.8 1.2	●	●	●	●	●	

形状 有方向的刀片 图示为右手(R)	型号	尺寸(mm)				刀尖 R(RE)	PV710	PV720	PV730	TN610	TN620
		内接圆 直径	厚度	孔径	孔深						
 精加工	WNMG060404 GP 060408 GP	9.525	4.76	3.81	0.4 0.8	●	●	●	●	●	
 精加工	WNMG080404 GP 080408 GP	12.70	4.76	5.16	0.4 0.8	●	●	●	●	●	
 精加工~半精加工	WNMG080404 PQ 080408 PQ	12.70	4.76	5.16	0.4 0.8	●	●	●	●	●	
 精加工~半精加工	WNMG06T304 HQ	9.525	3.97	3.81	0.4		●		●		
 精加工~半精加工	WNMG060404 HQ 060408 HQ	9.525	4.76	3.81	0.4 0.8		●		●		
 精加工~半精加工	WNMG080404 HQ 080408 HQ 080412 HQ	12.70	4.76	5.16	0.4 0.8 1.2	●	●	●	●	●	
 精加工~半精加工·提拉	WNMG080404 CQ 080408 CQ 080412 CQ	12.70	4.76	5.16	0.4 0.8 1.2	●	●	●	●	●	
 半精加工~粗加工	WNMG060404 GS 060408 GS	9.525	4.76	3.81	0.4 0.8		●		●		
 半精加工~粗加工	WNMG080404 GS 080408 GS	12.70	4.76	5.16	0.4 0.8		●		●		
 半精加工~粗加工	WNMG080404 PG 080408 PG	12.70	4.76	5.16	0.4 0.8	●	●	●	●	●	
 半精加工~粗加工	WNMG080404 PS 080408 PS	12.70	4.76	5.16	0.4 0.8		●		●		
 粗加工	WNMG080404	12.70	4.76	5.16	0.4 0.8	●	●	●	●	●	
 软钢·精加工	WNMG080404 XP 080408 XP	12.70	4.76	5.16	0.4 0.8	●	●	●	●	●	
 软钢·半精加工	WNMG080404 XQ 080408 XQ	12.70	4.76	5.16	0.4 0.8	●	●	●	●	●	
 软钢·粗加工	WNMG080408 XS	12.70	4.76	5.16	0.8		●		●		

刀尖R(RE)用不等号(例:<0.1,<0.2等)标示的刀片为刀尖R(RE)负公差产品

标准库存型号 (正角)

形状 有方向的刀片 图示为左手(L)	型号	尺寸 (mm)					PV710	PV720	PV730	TN610	TN620
		内接圆直径	厚度	孔径	刀尖 R(RE)	后角					
	CCMT 060202 WP	6.35	2.38	2.8	0.2	7°	●	●	●	●	●
	060204 WP				0.4		●	●	●	●	●
	060208 WP				0.8		●	●	●	●	●
精加工·带修光刃	CCMT 09T302 WP	9.525	3.97	4.4	0.2	7°	●	●	●	●	●
	09T304 WP				0.4		●	●	●	●	●
	09T308 WP				0.8		●	●	●	●	●
	CCMT 060202 PP	6.35	2.38	2.8	0.2	7°	●	●	●	●	●
	060204 PP				0.4		●	●	●	●	●
精加工	CCMT 09T302 PP	9.525	3.97	4.4	0.2	7°	●	●	●	●	●
	09T304 PP				0.4		●	●	●	●	●
	CCMT 060202 GK	6.35	2.38	2.8	0.2	7°	●	●	●	●	●
	060204 GK				0.4		●	●	●	●	●
	CCMT 09T302 GK				0.2		●	●	●	●	●
精加工~半精加工	09T304 GK	9.525	3.97	4.4	0.4	7°	●	●	●	●	●
	CCMT 120404 GK	12.70	4.76	5.5	0.4	7°	●	●	●	●	●
	CCMT 060202 HQ	6.35	2.38	2.8	0.2	7°	●	●	●	●	●
	060204 HQ				0.4		●	●	●	●	●
精加工~半精加工	CCMT 09T302 HQ	9.525	3.97	4.4	0.2	7°	●	●	●	●	●
	09T304 HQ				0.4		●	●	●	●	●
	09T308 HQ	9.525	3.97	4.4	0.8	7°	●	●	●	●	●
	CCMT 09T308	9.525	3.97	4.4	0.8	7°	●	●	●	●	●
	CCGT 060201	6.35	2.38	2.8	0.1	7°	●	●	●	●	●
	060202				0.2		●	●	●	●	●
	060204				0.4		●	●	●	●	●
中切削	CCGT 09T301	9.525	3.97	4.4	0.1	7°	●	●	●	●	●
	09T302				0.2		●	●	●	●	●
	09T304				0.4		●	●	●	●	●
	CCGT 09T308	9.525	3.97	4.4	0.8	7°	●	●	●	●	●
	CCGT 060201 MFP-SK	6.35	2.38	2.8	<0.1	7°	●	●	●	●	●
	060202 MFP-SK				<0.2		●	●	●	●	●
060204 MFP-SK	<0.4				●		●	●	●	●	
半精加工·锋利刀尖·镜面规格	CCGT 09T301 MFP-SK	9.525	3.97	4.4	<0.1	7°	●	●	●	●	●
	09T302 MFP-SK				<0.2		●	●	●	●	●
	09T304 MFP-SK				<0.4		●	●	●	●	●
	CCGT 060205 MFP-SKS	6.35	2.38	2.8	<0.05	7°	●	●	●	●	●
	060201 MFP-SKS				<0.1		●	●	●	●	●
	060202 MFP-SKS				<0.2		●	●	●	●	●
精加工·锋利刀尖·镜面规格	CCGT 09T3005 MFP-SKS	9.525	3.97	4.4	<0.05	7°	●	●	●	●	●
	09T301 MFP-SKS				<0.1		●	●	●	●	●
	09T302 MFP-SKS				<0.2		●	●	●	●	●
	CCET 030101 M R/L-F	3.5	1.4	1.9	<0.1	7°	●	L	L	●	L
	030102 M R/L-F				<0.2		●	L	L	●	L
	030104 M R/L-F				<0.4		●	L	L	●	L
精加工·锋利刀尖	CCET 040101 M R/L-F	4.3	1.8	2.3	<0.1	7°	●	L	L	●	L
	040102 M R/L-F				<0.2		●	L	L	●	L
	040104 M R/L-F				<0.4		●	L	L	●	L

刀尖R (RE) 用不等号 (例: <0.1, <0.2等) 标示的刀片为刀尖R (RE) 负公差产品

形状 有方向的刀片 图示为左手(L)	型号	尺寸 (mm)					PV710	PV720	PV730	TN610	TN620
		内接圆直径	厚度	孔径	刀尖 R(RE)	后角					
	CCET 060201 MF R/L-U	6.35	2.38	2.8	<0.1	7°	●	●	●	●	●
	060202 MF R/L-U				<0.2		●	●	●	●	●
低进给·锋利刀尖	CCET 09T301 MF R/L-U	9.525	3.97	4.4	<0.1	7°	●	●	●	●	●
	09T302 MF R/L-U				<0.2		●	●	●	●	●
	CCGT 060201 E R/L-U	6.35	2.38	2.8	0.1	7°	●	L	L	L	●
	060202 E R/L-U				0.2		●	●	●	●	●
	060204 E R/L-U				0.4		●	●	●	●	●
低进给·有刃磨	CCGT 09T301 E R/L-U	9.525	3.97	4.4	0.1	7°	●	●	●	●	●
	09T302 E R/L-U				0.2		●	●	●	●	●
	09T304 E R/L-U				0.4		●	●	●	●	●
	CPMT 080202 PP	7.94	2.38	3.3	0.2	11°	●	●	●	●	●
	080204 PP				0.4		●	●	●	●	●
	CPMT 090302 PP				0.2		●	●	●	●	●
精加工	090304 PP	9.525	3.18	4.4	0.4	11°	●	●	●	●	●
	090308 PP	0.8	●	●	●	●	●	●			
	CPMT 080204 GP	7.94	2.38	3.3	0.4	11°	●	●	●	●	●
	090304 GP				0.4		●	●	●	●	●
精加工	090308 GP	9.525	3.18	4.4	0.8	11°	●	●	●	●	●
	CPMH 080204 HQ	7.94	2.38	3.5	0.4	11°	●	●	●	●	●
	CPMH 080208 HQ	9.525	3.18	4.5	0.4	11°	●	●	●	●	●
	090304 HQ				0.4		●	●	●	●	●
精加工~半精加工	090308 HQ	9.525	3.18	4.5	0.8	11°	●	●	●	●	●
	CPMH 080204	7.94	2.38	3.5	0.4	11°	●	●	●	●	●
	CPMH 080208	9.525	3.18	4.5	0.4	11°	●	●	●	●	●
	090304				0.4		●	●	●	●	●
中切削	090308	9.525	3.18	4.5	0.8	11°	●	●	●	●	●
	CPMT 080204 XP	7.94	2.38	3.3	0.4	11°	●	●	●	●	●
	CPMT 090304 XP	9.525	3.18	4.4	0.4	11°	●	●	●	●	●
	090308 XP				0.8		●	●	●	●	●
软钢·精加工	CPMT 090304 XQ	9.525	3.18	4.4	0.4	11°	●	●	●	●	●
	090308 XQ				0.8		●	●	●	●	●
	CPMT 090304 XQ	9.525	3.18	4.4	0.4	11°	●	●	●	●	●
	090308 XQ				0.8		●	●	●	●	●
软钢·精加工~半精加工	CPMH 080204 R/L-Y	7.94	2.38	3.5	0.4	11°	●	●	●	●	●
	CPMH 090304 R/L-Y	9.525	3.18	4.5	0.4	11°	●	●	●	●	●
精加工~半精加工	DCMX 070202 WP	6.35	2.38	2.8	0.2	7°	●	●	●	●	●
	070204 WP				0.4		●	●	●	●	●
精加工·带修光刃	070208 WP	0.8	●	●	●	●	●				
	DCMX 11T302 WP	9.525	3.97	4.4	0.2	7°	●	●	●	●	●
	11T304 WP				0.4		●	●	●	●	●
11T308 WP	0.8				●		●	●	●	●	

● : 标准库存 R : 仅有右手(R)库存 L : 仅有左手(L)库存








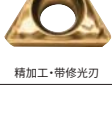




标准库存型号 (正角)



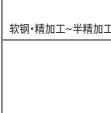







形状 有方向的刀片 图示为左手(L)	型号	尺寸 (mm)					PV710	PV720	PV730	TN610	TN620
		内接圆直径	厚度	孔径	刀尖 R(RE)	后角					
	DCMX070204 R/L-WP	6.35	2.38	2.8	0.4	7°	●			●	
	DCMX11T304 R/L-WP	9.525	3.97	4.4	0.4	7°	●			●	
	DCMT 070202 PP 070204 PP	6.35	2.38	2.8	0.2 0.4	7°	●	●	●	●	
	DCMT 11T302 PP 11T304 PP 11T308 PP	9.525	3.97	4.4	0.2 0.4 0.8	7°	●	●	●	●	
	DCMT 070202 GP 070204 GP	6.35	2.38	2.8	0.2 0.4	7°	●	●	●	●	
	DCMT 11T304 GP 11T308 GP	9.525	3.97	0.4	0.4 0.8	7°	●	●	●	●	
	DCMT 070202 GK 070204 GK 070208 GK	6.35	2.38	2.8	0.2 0.4 0.8	7°	●	●	●	●	
	DCMT 11T302 GK 11T304 GK 11T308 GK	9.525	3.97	4.4	0.2 0.4 0.8	7°	●	●	●	●	
	DCMT 070202 HQ 070204 HQ 070208 HQ	6.35	2.38	2.8	0.2 0.4 0.8	7°	●	●	●	●	
	DCMT 11T302 HQ 11T304 HQ 11T308 HQ	9.525	3.97	4.4	0.2 0.4 0.8	7°	●	●	●	●	
	DCGT 070201 070202 070204	6.35	2.38	2.8	0.1 0.2 0.4	7°	●	●	●	●	
	DCGT 11T301 11T302 11T304	9.525	3.97	4.4	0.1 0.2 0.4	7°	●	●	●	●	
	DCMT 11T308	9.525	3.97	4.4	0.8	7°	●	●	●	●	
	DCGT 070201MFP-SK 070202MFP-SK 070204MFP-SK	6.35	2.38	2.8	<0.1 <0.2 <0.4	7°			●		
	DCGT 11T301MFP-SK 11T302MFP-SK 11T304MFP-SK	9.525	3.97	4.4	<0.1 <0.2 <0.4	7°			●		
	DCGT 0702005MFP-SKS 070201MFP-SKS 070202MFP-SKS	6.35	2.38	2.8	<0.05 <0.1 <0.2	7°			●		
	DCGT 11T3005MFP-SKS 11T301MFP-SKS 11T302MFP-SKS 11T304MFP-SKS	9.525	3.97	4.4	<0.05 <0.1 <0.2 <0.4	7°			●		
	DCMT 070204 XP	6.35	2.38	2.8	0.4	7°	●	●	●	●	
	DCMT 11T302 XP 11T304 XP 11T308 XP	9.525	3.97	4.4	0.2 0.4 0.8	7°	●	●	●	●	

刀尖R (RE) 用不等号 (例: <0.1, <0.2等) 标示的刀片为刀尖R (RE) 负公差产品

形状 有方向的刀片 图示为左手(L)	型号	尺寸 (mm)					PV710	PV720	PV730	TN610	TN620
		内接圆直径	厚度	孔径	刀尖 R(RE)	后角					
	DCMT 11T304 XQ 11T308 XQ	9.525	3.97	4.4	0.4 0.8	7°	●	●	●	●	
	软钢·精加工~半精加工										
	DCET 070201 M R/L-F 070202 M R/L-F 070204 M R/L-F	6.35	2.38	2.8	<0.1 <0.2 <0.4	7°	●	●	●	●	
	DCET 11T301 M R/L-F 11T302 M R/L-F 11T304 M R/L-F	9.525	3.97	4.4	<0.1 <0.2 <0.4	7°	●	●	●	●	
	DCET 070201 MF R/L-U 070202 MF R/L-U	6.35	2.38	2.8	<0.1 <0.2	7°	●	●	●	●	
	DCET 11T301 MF R/L-U 11T302 MF R/L-U	9.525	3.97	4.4	<0.1 <0.2	7°	●	●	●	●	
	DCGT 070201 E R/L-U 070202 E R/L-U 070204 E R/L-U	6.35	2.38	2.8	0.1 0.2 0.4	7°	●	●	●	●	
	DCGT 11T301 E R/L-U 11T302 E R/L-U 11T304 E R/L-U	9.525	3.97	4.4	0.1 0.2 0.4	7°	●	R	R	●	
	DCET 11T301 MF R/L-J 11T302 MF R/L-J	9.525	3.97	4.4	<0.1 <0.2	7°	●		●		
	低进给·锋利刀尖										
	DCGT 11T301 E R/L-J 11T302 E R/L-J 11T304 E R/L-J	9.525	3.97	4.4	0.1 0.2 0.4	7°	●	R	R	●	
	低进给·有珩磨										
	RCMX 1003 M0	10.0	3.18	3.6	-	7°	●	●		●	
	中切削										
	RCMX 1204 M0	12.0	4.76	4.2	-	7°	●	●		●	
	中切削										
	SCMT 09T304 HQ 09T308 HQ	9.525	3.97	4.4	0.4 0.8	7°	●	●	●	●	
	精加工~半精加工										
	SPMR 090304 G 090308 G	9.525	3.18	-	0.4 0.8	11°	●	●		●	
	中切削										
	SPMR 120304 G 120308 G	12.7	3.18	-	0.4 0.8	11°	●	●		●	
	中切削										
	SPGR 090304 R/L 090308 R/L	9.525	3.18	-	0.4 0.8	11°	●	●		●	
	精加工										
	SPGR 120304 R/L 120308 R/L	12.7	3.18	-	0.4 0.8	11°	●	●		●	
	精加工										
	SPMN 120308 120312	12.7	3.18	-	0.8 1.2	11°	●	●		●	
	无断屑槽										








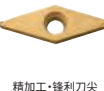
标准库存型号 (正角)

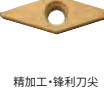



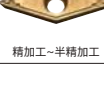
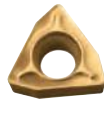



形状 有方向的刀片 图示为左手(L)	型号	尺寸 (mm)					PV710	PV720	PV730	TN610	TN620
		内接圆直径	厚度	孔径	刀尖 R(RE)	后角					
 精加工	TBMT 060102 DP 060104 DP	3.97	1.59	2.3	0.2	5°	●	●	●	●	●
					0.4		●	●	●	●	●
 精加工	TBGT 060102 R/L 060104 R/L	3.97	1.59	2.3	0.2	5°	●	●	●	●	●
					0.4		●	●	●	●	●
 精加工·带修光刃	TCMX 090204 WP	5.56	2.38	2.5	0.4	7°	●	●	●	●	
	TCMX 110204 WP	6.35	2.38	2.8	0.4	7°	●	●	●	●	
 精加工~半精加工	TCMT 090202 HQ 090204 HQ	5.56	2.38	2.5	0.2	7°	●	●	●	●	
	TCMT 110202 HQ 110204 HQ 110208 HQ				0.4		●	●	●	●	
					0.8		●	●	●	●	●
TCMT 16T304 HQ 16T308 HQ	9.525	3.97	4.4	0.4	7°	●	●	●	●		
 精加工·带修光刃	TPMX 090202 WP 090204 WP 090208 WP	5.56	2.38	2.8	0.2	11°	●	●	●	●	
	0.4				●		●	●	●		
 精加工·带修光刃	TPMX 110302 WP 110304 WP 110308 WP	6.35	3.18	3.3	0.2	11°	●	●	●	●	
	0.4				●		●	●	●		
 精加工·带修光刃	TPMX 110304 R/L-WP	6.35	3.18	3.3	0.4	11°	●	●	●	●	
 精加工	TPMT 090202 PP 090204 PP	5.56	2.38	2.8	0.2	11°	●	●	●	●	
	0.4				●		●	●	●		
 精加工	TPMT 110302 PP 110304 PP 110308 PP	6.35	3.18	3.3	0.2	11°	●	●	●	●	
	0.4				●		●	●	●		
					0.8		●	●	●	●	
 精加工	TPMT 090202 GP 090204 GP	5.56	2.38	2.8	0.2	11°	●	●	●	●	
	0.4				●		●	●	●		
					TPMT 110304 GP 110308 GP		6.35	3.18	3.3	0.4	11°
 精加工	TPMT 160304 GP	9.525	3.18	4.4	0.4	11°	●	●	●	●	
	TPMT 090202 HQ 090204 HQ	5.56	2.38	2.8	0.2	11°	●	●	●	●	
					0.4		●	●	●	●	
 精加工~半精加工	TPMT 110302 HQ 110304 HQ 110308 HQ	6.35	3.18	3.3	0.2	11°	●	●	●	●	
	0.4				●		●	●	●		
					0.8		●	●	●	●	
TPMT 160302 HQ 160304 HQ 160308 HQ	9.525	3.18	4.4	0.2	11°	●	●	●	●	●	
				0.4		●	●	●	●		
				0.8		●	●	●	●		

形状 有方向的刀片 图示为左手(L)	型号	尺寸 (mm)					PV710	PV720	PV730	TN610	TN620
		内接圆直径	厚度	孔径	刀尖 R(RE)	后角					
 软钢·精加工	TPMT 090204 XP	5.56	2.38	2.8	0.4	11°	●	●	●	●	
	TPMT 110304 XP 110308 XP	6.35	3.18	3.3	0.4	11°	●	●	●	●	
 软钢·精加工~半精加工	TPMT 160304 XP 160308 XP	9.525	3.18	4.4	0.4	11°	●	●	●	●	
	TPMT 110304 XQ 110308 XQ	6.35	3.18	3.3	0.4	11°	●	●	●	●	
 软钢·精加工~半精加工	TPMT 160304 XQ 160308 XQ	9.525	3.18	4.4	0.4	11°	●	●	●	●	
	TPGH 080202 R/L 080204 R/L	4.76	2.38	2.3	0.2	11°	L	●	L	●	
 精加工	TPGH 090202 R/L 090204 R/L	5.56	2.38	3.0	0.2	11°	L	●	L	●	
	TPGH 110202 R/L 110204 R/L	6.35	2.38	3.5	0.2	11°	L	L	L	L	
					0.4		L	L	L	L	
	TPGH 110302 R/L 110304 R/L 110308 R/L	6.35	3.18	3.3	0.2	11°	L	●	L	●	
TPGH 160302 R/L 160304 R/L 160308 R/L	9.525	3.18	4.5	0.2	11°	●	●	●	●		
 中切削	TPGH 110302 L-H 110304 R/L-H 110308 L-H	6.35	3.18	3.3	0.2	11°	L	L	L	L	
	TPGH 160304 L-H	9.525	3.18	4.5	0.4	11°	L	L	L	L	
 中切削	TPGT 160402 L-H 160404 L-H	9.525	4.76	4.4	0.2	11°	L	L	L	L	
 无断屑槽	TPGB 080204	4.76	2.38	2.3	0.4	11°	●	●	●	●	
	TPGB 090204	5.56	2.38	3.0	0.4	11°	●	●	●	●	
	TPGB 110204	6.35	2.38	3.5	0.4	11°	●	●	●	●	
 无断屑槽	TPGB 110302 110304 110308	6.35	3.18	3.3	0.2	11°	●	●	●	●	
	TPGB 160304 160308	9.525	3.18	4.5	0.4	11°	●	●	●	●	
					0.8		●	●	●	●	
 精加工	TPMR 110304 GP	6.35	3.18	-	0.4	11°	●	●	●	●	
	TPMR 160304 GP	9.525	3.18	-	0.4	11°	●	●	●	●	
 精加工~半精加工	TPMR 110304 HQ 110308 HQ	6.35	3.18	-	0.4	11°	●	●	●	●	
	TPMR 160304 HQ 160308 HQ	9.525	3.18	-	0.4	11°	●	●	●	●	

● : 标准库存 R : 仅有右手(R)库存 L : 仅有左手(L)库存

标准库存型号 (正角)

形状 有方向的刀片 图示为左手(L)	型号	尺寸 (mm)					PV710	PV720	PV730	TN610	TN620
		内接圆直径	厚度	孔径	刀尖 R(RE)	后角					
 中切削	TPMR 110304 G	6.35	3.18	-	0.4	11°	●	●		●	
	TPMR 160304 G 160308 G	9.525	3.18	-	0.4 0.8	11°	●	●		●	
 中切削	TPMR 110304 110308	6.35	3.18	-	0.4 0.8	11°	●	●		●	
	TPMR 160304 160308	9.525	3.18	-	0.4 0.8	11°	●	●		●	
 A: 精加工 B: 精加工~半精加工 C: 中切削	TPGR 110302 L-A 110304 L-A	6.35	3.18	-	0.2 0.4	11°	L	L	L	L	
	TPGR 110304 L-B 110308 L-B	6.35	3.18	-	0.4 0.8	11°	L	L	L	L	
	TPGR 160302 R/L-B 160304 R/L-B 160308 R/L-B	9.525	3.18	-	0.2 0.4 0.8	11°	●	●	●	●	
	TPGR 160304 R/L-C 160308 R/L-C	9.525	3.18	-	0.4 0.8	11°	●	●	●	●	
 无断屑槽	TPGN 110304 110308	6.35	3.18	-	0.4 0.8	11°	●	●		●	
	TPGN 160304 160308	9.525	3.18	-	0.4 0.8	11°	●	●		●	
 精加工	VBMT 110302 PP 110304 PP 110308 PP	6.35	3.18	2.8	0.2 0.4 0.8	5°	●	●	●	●	
	VBMT 160404 PP 160408 PP 160412 PP	9.525	4.76	4.4	0.4 0.8 1.2	5°	●	●	●	●	
	VBMT 110304 GP	6.35	3.18	2.8	0.4	5°	●	●	●	●	
 精加工	VBMT 160404 GP 160408 GP	9.525	4.76	4.4	0.4 0.8	5°	●	●	●	●	
	VBMT 110302 VF 110304 VF 110308 VF	6.35	3.18	2.8	0.2 0.4 0.8	5°	●	●	●	●	
 精加工	VBMT 160402 VF 160404 VF 160408 VF 160412 VF	9.525	4.76	4.4	0.2 0.4 0.8 1.2	5°	●	●	●	●	
	VBMT 110304 HQ 110308 HQ	6.35	3.18	2.8	0.4 0.8	5°	●	●	●	●	
	VBMT 160404 HQ 160408 HQ 160412 HQ	9.525	4.76	4.4	0.4 0.8 1.2	5°	●	●	●	●	
 精加工·锋利刀尖	VBET 110301 M R/L-F 110302 M R/L-F	6.35	3.18	2.8	<0.1 <0.2	5°	●	●		●	

形状 有方向的刀片 图示为左手(L)	型号	尺寸 (mm)					PV710	PV720	PV730	TN610	TN620
		内接圆直径	厚度	孔径	刀尖 R(RE)	后角					
 精加工·锋利刀尖	VBGT 110301 R-F 110302 R-F	6.35	3.18	2.8	0.1 0.2	5°		R	R	R	
	VBET 110302 M R/L-Y 110304 M R/L-Y	6.35	3.18	2.8	<0.2 <0.4	5°	●	●	●	●	
 精加工~半精加工	VBGT 110301 R-Y 110302 R/L-Y 110304 R/L-Y	6.35	3.18	2.8	0.1 0.2 0.4	5°		R	R	R	
	VBGT 160402 R/L-Y 160404 R/L-Y	9.525	4.76	4.4	0.2 0.4	5°	●	●	●	●	
 精加工	VCMT 080202 PP 080204 PP	4.76	2.38	2.3	0.2 0.4	7°	●	●	●	●	
	VCMT 160404 PP 160408 PP	9.525	4.76	4.4	0.4 0.8	7°	●	●	●	●	
 精加工	VCMT 080202 VF 080204 VF	4.76	2.38	2.3	0.2 0.4	7°	●	●	●	●	
 精加工~半精加工	VCMT 080202 HQ 080204 HQ	4.76	2.38	2.3	0.2 0.4	7°	●	●	●	●	
 精加工	WBMT 060102 R/L-DP 060104 R/L-DP	3.97	1.59	2.3	0.2 0.4	5°	L	●	L	●	
	WBMT 080202 R/L-DP 080204 R/L-DP	4.76	2.38	2.3	0.2 0.4	5°	L	●	L	●	
 精加工·锋利刀尖	WBET 060102 M R/L-F 060104 M R/L-F	3.97	1.59	2.3	<0.2 <0.4	5°	●	L	L	●	
	WBET 080201 M R/L-F 080202 M R/L-F 080204 M R/L-F	4.76	2.38	2.3	<0.1 <0.2 <0.4	5°	●	L	L	●	
 精加工	WPMT 110204 GP 160304 GP	6.35 9.525	2.38 3.18	2.8 4.4	0.4	11°	●	●		●	
	WPMT 110202 HQ 110204 HQ	6.35	2.38	2.8	0.2 0.4	11°	●	●	●	●	
 精加工~半精加工	WPMT 160304 HQ 160308 HQ	9.525	3.18	4.4	0.4 0.8	11°	●	●	●	●	

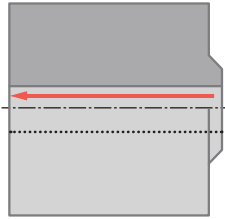
● : 标准库存 R : 仅有右手(R)库存 L : 仅有左手(L)库存

刀尖R(RE)用不等号(例: <0.1, <0.2等)标示的刀片为刀尖R(RE)负公差产品

加工实例

油泵 铁系烧结金属

Vc = 160 m/min
ap = 0.2 mm
f = 0.1 mm/rev
Wet
TPGH090204L



加工数量

PV720

平均**800**个/刀尖

加工数量

约**2.7**倍

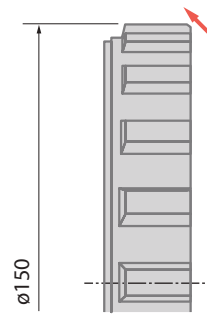
其他公司PVD
金属陶瓷 K

300个/刀尖

与其他公司PVD金属陶瓷K相比, PV720加工数量提高到约2.7倍
(来自用户评价)

内齿轮 特殊合金钢

Vc = 300 m/min
ap = 0.2 mm
f = 0.2~0.4 mm/rev
Wet
WNMG080404PP



加工数量

PV720

平均**10,000**个/刀尖

加工数量

约**3.3**倍

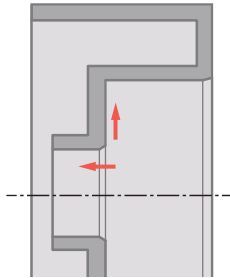
其他公司PVD
金属陶瓷 L

3,000个/刀尖

与其他公司PVD金属陶瓷L相比, PV720加工数量提高到约3.3倍
(来自用户评价)

滚筒 S30C

Vc = 300 m/min
ap = 0.5 mm
f = 0.2~0.3 mm/rev
Wet
CNMG090408HQ



加工数量

TN620

800个/刀尖

加工数量

1.1-1.4倍

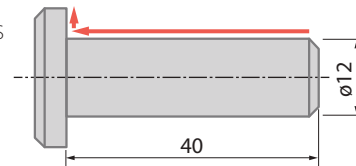
其他公司
金属陶瓷 M

550-750个/刀尖

与其他公司PVD金属陶瓷M相比, TN620加工数量提高到约1.1~1.4倍
(来自用户评价)

插销 S35C

Vc = 75 m/min
ap = 0.15 mm
f = 0.12 mm/rev
Wet
TNGG160404R-S



加工数量

TN620

450个/刀尖

加工数量

1.5倍

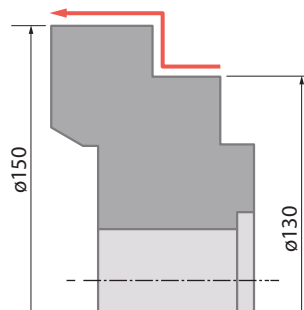
其他公司
金属陶瓷 N

300个/刀尖

与其他公司PVD金属陶瓷N相比, TN620加工数量提高到约1.5倍
表面粗糙度稳定、有光泽、无崩损发生、加工稳定
(来自用户评价)

活塞 S45C 调质处理

Vc = 450 m/min
ap = 0.15~0.2 mm
f = 0.04 mm/rev
Wet (水溶性)
CNMG120404PP



加工数量

PV710

200个/刀尖

寿命

约**2.2**倍

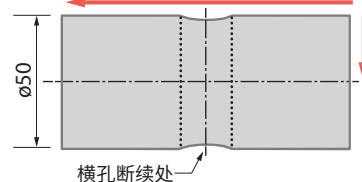
以往PVD
金属陶瓷 O

90个/刀尖

与以往PVD金属陶瓷O相比, PV710加工数量提高到约2.2倍
(来自用户评价)

活塞 SCM415

Vc = 250 m/min
ap = 0.1~0.2 mm
f = 0.08 mm/rev
Wet (水溶性)
CNMG120404PP



加工数量

PV710

250个/刀尖

寿命

约**1.3**倍

其他公司PVD
金属陶瓷 P

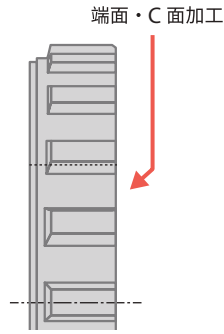
180个/刀尖

与其他公司PVD金属陶瓷P相比, PV710加工数量提高到约1.3倍
(来自用户评价)

加工实例

链轮 SCM415H

Vc = 140 m/min
f = 0.09 mm/rev
ap = 0.15-0.30 mm Wet
TPMT110304PP PV730



加工数量

PV730

300个/刀尖 (稳定)

稳定性

提高

其他公司PVD
金属陶瓷 Q

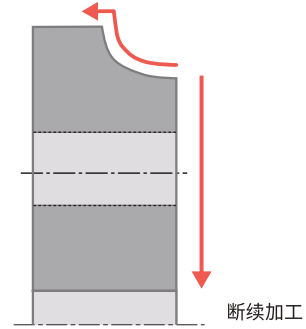
300个/刀尖 (不稳定)

其他公司PVD金属陶瓷Q发生刀片粘着及崩损, 加工不稳定
PV730刀尖状态良好, 可稳定加工相同数量产品

(来自用户评价)

法兰 S55C

Vc = 145-230 m/min
f = 0.22 mm/rev
ap = 0.2 mm Wet
TNMG160408HQ PV730



加工数量

PV730

500个/刀尖

寿命

2.5倍

其他公司PVD
金属陶瓷 R

200个/刀尖

与其他公司PVD金属陶瓷R相比, PV730加工数量提高到2.5倍、
精加工面品质良好

(来自用户评价)