

THE NEW VALUE FRONTIER

京瓷 创造新价值

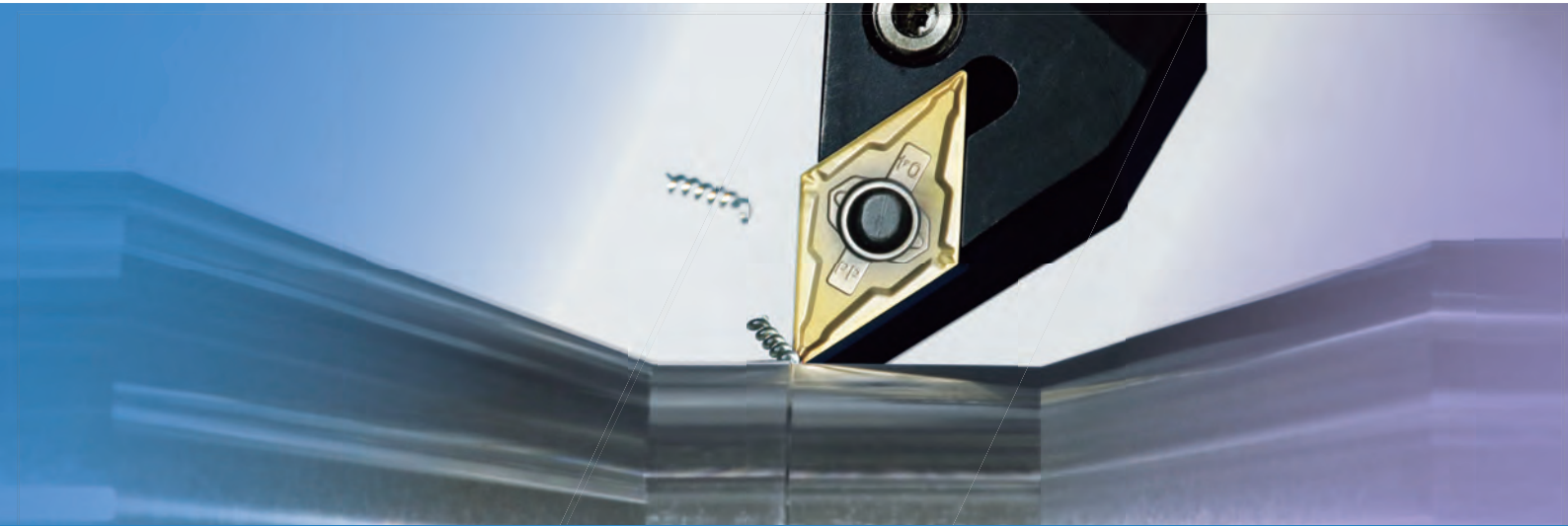


钢加工用
混合金属陶瓷

PV720
PV730

钢加工用混合金属陶瓷

PV720 / PV730



金属陶瓷优良技术的结晶。实现高品质精加工面及高效率加工

京瓷史上强韧金属陶瓷之首* PV730新发售

产品阵容完善, 可对应多种加工

采用3种特殊强化技术(混合技术)

通用

PV720

重视稳定性

PV730

NEW



产品阵容包括 高速加工用 PV710 无涂层金属陶瓷 TN610/TN620

*根据2020年4月 京瓷社内调查

钢加工用混合金属陶瓷

PV720 / PV730

使用3种特殊强化技术(混合技术)实现高品质精加工面及高效率加工
京瓷史上强韧金属陶瓷之首 PV730新发售

1 京瓷史上强韧金属陶瓷之首* PV730新发售

※根据2020年4月 京瓷社内调查

产品阵容追加重视稳定性PV730。随着产品阵容完成,可覆盖更广泛加工领域

高速加工用

PV710

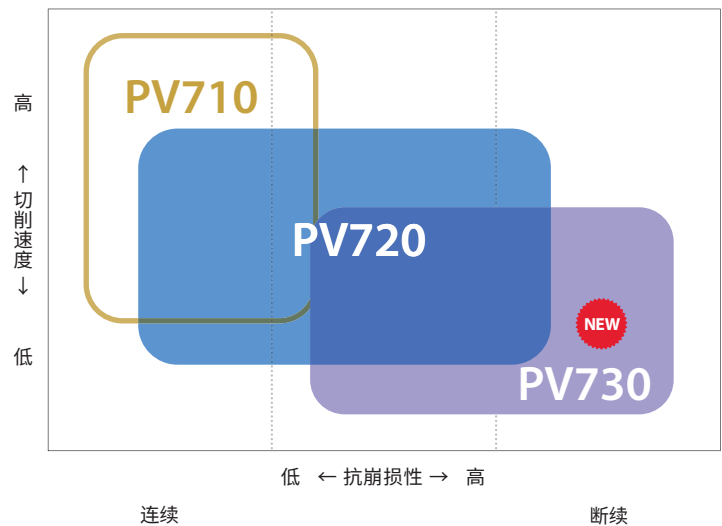
通用

PV720 **第1推荐**
-优质耐磨损性-

重视稳定性

PV730 **NEW** 强韧金属陶瓷
-高度稳定性-

抗崩损性:与其他公司同级别相比达到2倍以上
(来自社内评测)



产品阵容也包括无涂层系列

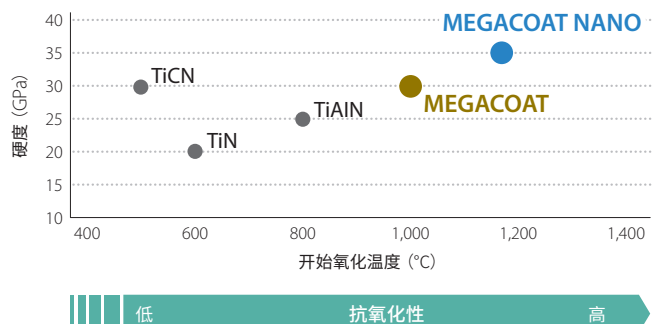
TN610 / TN620

MEGACOAT NANO® 涂层

除了高性能 MEGACOAT NANO 涂层,表面附加了TiN复合涂层,
耐粘着性优质,且可轻松辨识出已使用刀尖



涂层特性

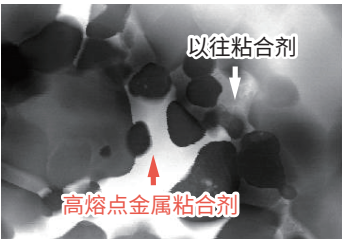


2 3种特殊强化技术(混合技术)

1. 高品质精加工面 -高熔点混合粘合剂-

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

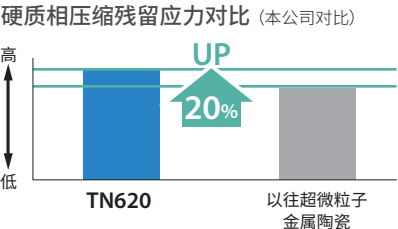
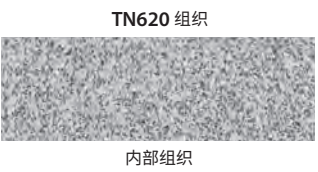
特殊强化技术1 高熔点混合粘合剂



2. 优质抗崩损性 -超微粒子高熔点混合硬质层-

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

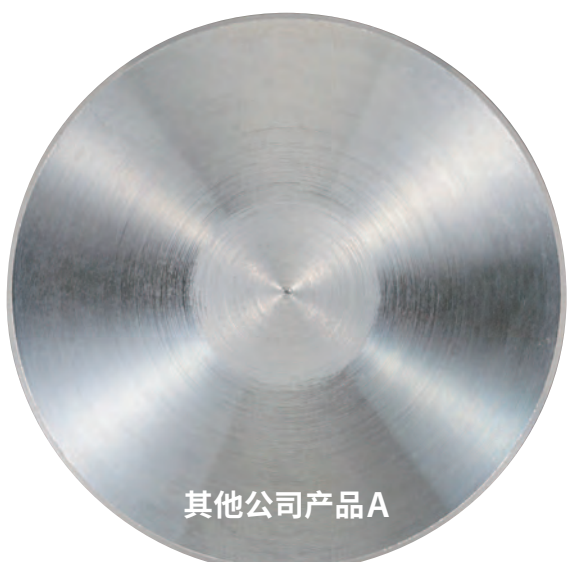
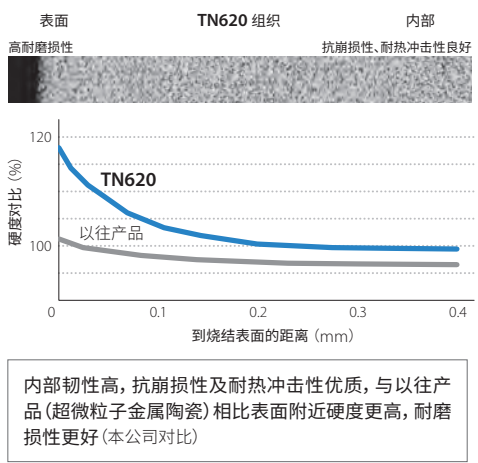
特殊强化技术2 超微粒子结合硬质层



3. 优质耐磨损性 -特殊表面硬化混合结构-

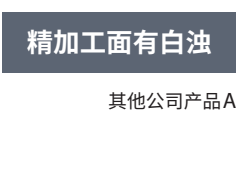
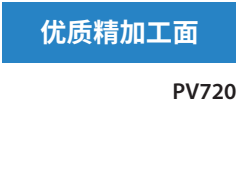
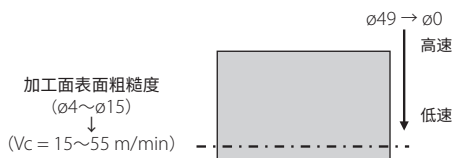
特殊倾斜组合得到的高硬度「表面硬化层」确保优质耐磨损性及抗崩损性的平衡
※PV730为重视抗崩损性的金属陶瓷,因此不同

特殊强化技术3 特殊表面硬化混合结构



优质精加工面 (本公司对比)

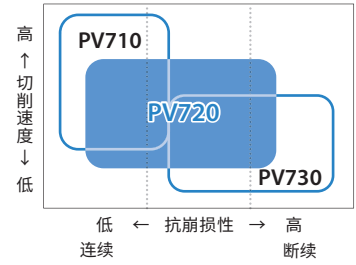
切削参数: $V_c=180\sim 0$ m/min (转速固定), $a_p=0.5$ mm
 $f=0.1$ mm/rev, Wet, CNMG120404型 加工材料: S10C



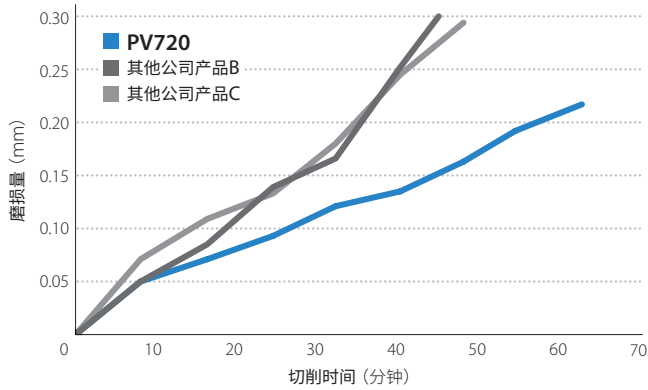
通用

PV720

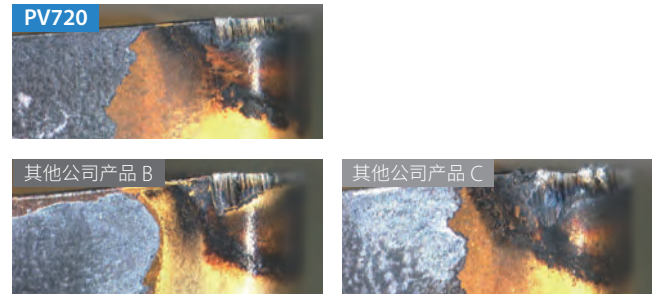
第1推荐 - 优质耐磨损性 -
实现高效率加工及高品质精加工面



耐磨损性对比 (本公司对比)

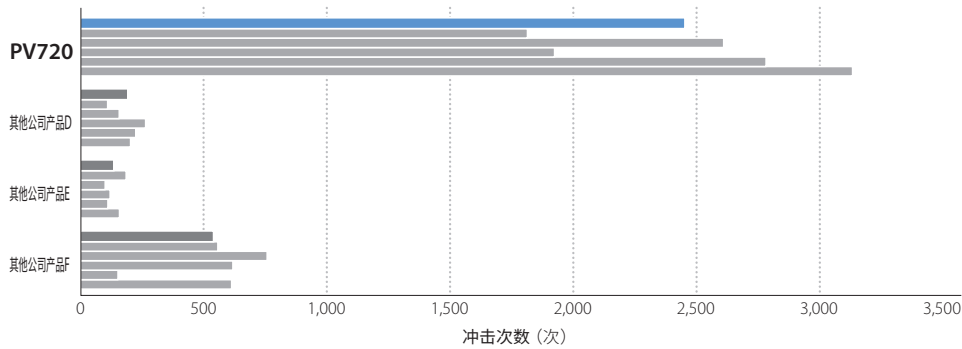


切削时间：48分钟后



切削参数：Vc = 250 m/min, ap = 1.0 mm, f = 0.2 mm/rev, Wet, CNMG120408型 加工材料：SCM435

抗崩损性对比 (本公司对比)



图表最上部为各平均值

切削参数：Vc = 250 m/min, ap = 1.0 mm, f = 0.2 mm/rev, Wet, CNMG120408型 加工材料：S45C (带4条槽)

高速·连续

PV710

可实现长寿命高速·连续加工



产品阵容也包括无涂层金属陶瓷 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

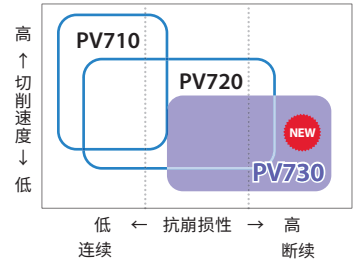
重视稳定性

PV730

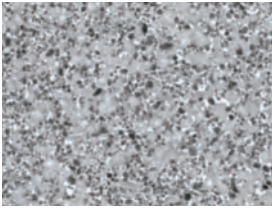
京瓷史上强韧金属陶瓷之首 - 高稳定性 - 实现高稳定性及高品质精加工面

NEW

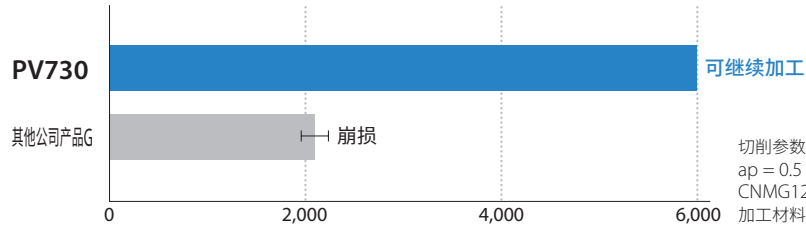
新开发超微粒强韧金属陶瓷提高抗崩损性，实现良好精加工面及耐磨损性



新开发强韧金属陶瓷

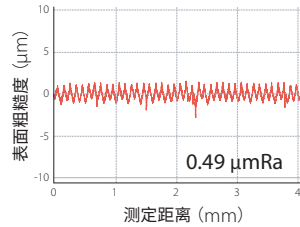
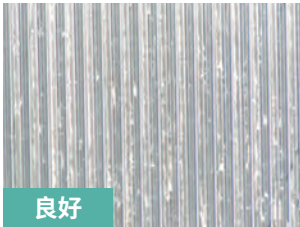


抗崩损性对比 (本公司对比)

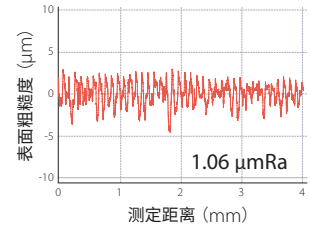


精加工面对比 (本公司对比)

PV730



其他公司产品H



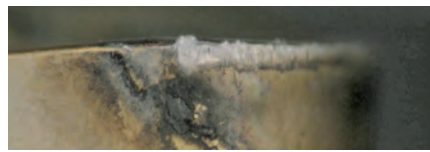
切削参数: $V_c = 100 \text{ m/min}$, $a_p = 0.5 \text{ mm}$, $f = 0.1 \text{ mm/rev}$, Wet, CNMG120408型 加工材料: S10C

刀尖状态对比 - 加工40分钟后 - (本公司对比)

PV730



其他公司产品I



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

对应自动车床加工

通过提高母材强度, 实现3维G级断屑槽 (锋利刀尖) 产品阵容

精加工用

SKS断屑槽

切深: 0.2 mm ~ 1.5 mm
实现优异切屑处理及精加工面



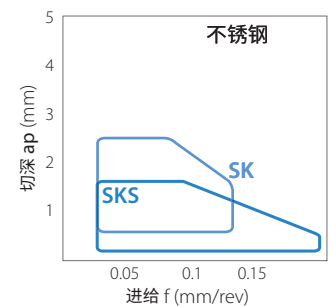
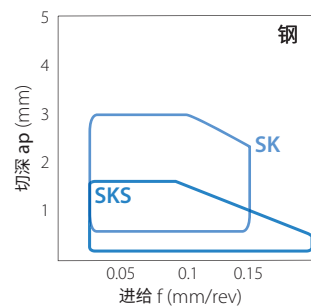
半精加工用

SK断屑槽

切深: 0.5 mm ~ 3.0 mm
兼具切削效果与切屑处理的3维断屑槽



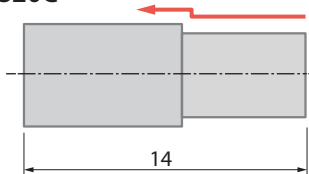
第1推荐断屑槽 (低阻力型)



解决方案

自动车床加工: SK断屑槽 (PV730) 精加工面良好, 寿命达到4.0倍以上

阀门 S20C



加工数量

PV730 (SK断屑槽)

3,000个/刀尖 (4.0 μmRz)

其他公司PVD金属陶瓷J

750个/刀尖 (5.0 μmRz)

寿命

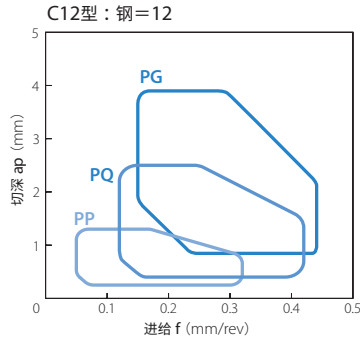
4.0倍

切削参数: $V_c = 160 \text{ m/min}$, $a_p = 0.5 \text{ mm}$, $f = 0.03 \text{ mm/rev}$ Wet (油性), DCGT11T302MFP-SK

钢加工用 智能断屑槽 P系列

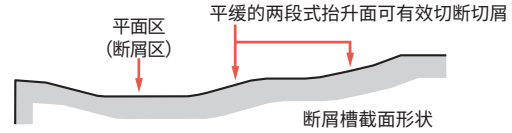
PP / PQ / PG断屑槽

负角型



精加工 ~ 半精加工 PQ断屑槽

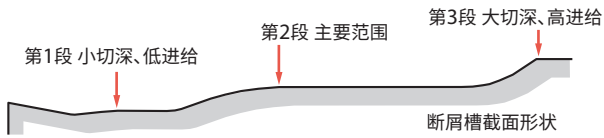
断屑效果可抑制高进给加工时的堵屑及阻力增大，对应广泛加工领域



精加工 PP断屑槽

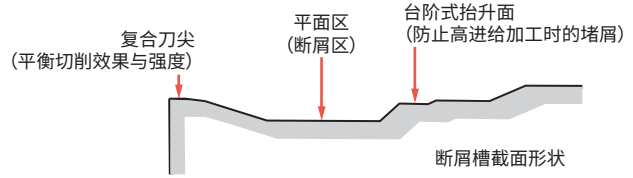
改善小切深·高进给加工时的堵屑·咬屑问题

根据加工条件不同，作用位置也会变化



半精加工 ~ 粗加工 PG断屑槽

在广泛切屑处理领域实现稳定加工



修光刃刀片

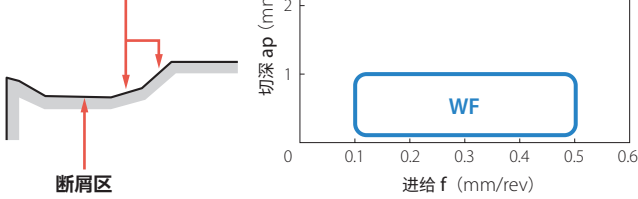
WE / WF断屑槽

负角型



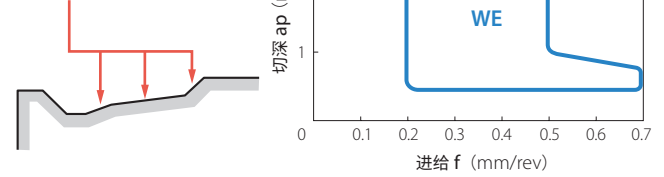
精加工 WF断屑槽 (修光刃刀片)

断屑槽截面形状
两段式抬升面



精加工 ~ 半精加工 WE断屑槽 (修光刃刀片)

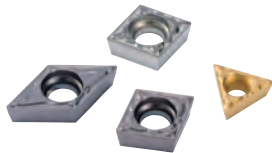
断屑槽截面形状
角度不同的抬升面
可对应广泛加工领域



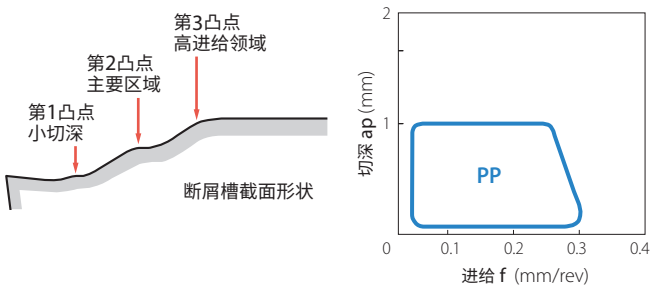
正角型

精加工 PP断屑槽

高可靠性可提高精加工的生产效率



CPMT09型：钢

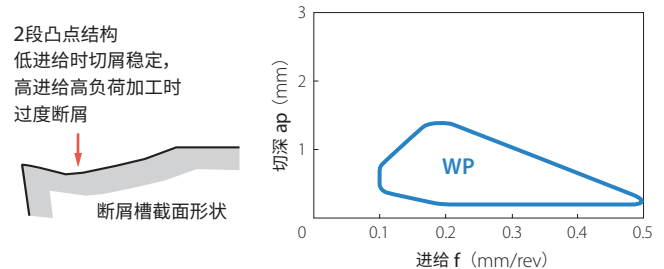


精加工 WP断屑槽 (修光刃刀片)













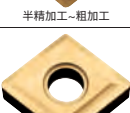
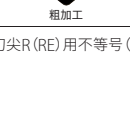

新设计修光刃切刃形状可发挥高生产效率






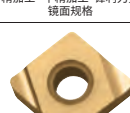


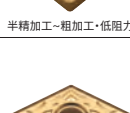


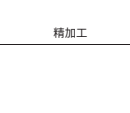

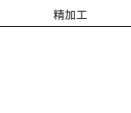



CCMT09型：钢



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	●	●	●	●	●	

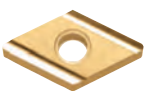


刀尖R(RE)用不等号(例:<0.1,<0.2等)标示的刀片为刀尖R(RE)负公差产品

●: 标准库存






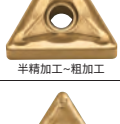



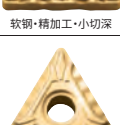
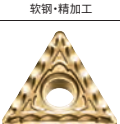

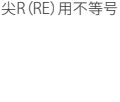
标准库存(负角)

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 150408 PQ 150412 PQ	12.70	4.76	5.16	0.4	●	●	●	●	●	
	0.8				●	●	●	●	●		
	1.2				●	●	●	●	●		
精加工~半精加工	DNMG150604 PQ 150608 PQ 150612 PQ	12.70	6.35	5.16	0.4	●	●	●	●	●	
	0.8				●	●	●	●	●		
	1.2				●	●	●	●	●		
	DNMG110402 HQ 110404 HQ	9.525	4.76	3.81	0.2	●	●	●	●	●	
	0.4				●	●	●	●	●		
	0.8				●	●	●	●	●		
精加工~半精加工	DNMG150404 HQ 150408 HQ 150412 HQ	12.70	4.76	5.16	0.4	●	●	●	●	●	
	0.8				●	●	●	●	●		
	1.2				●	●	●	●	●		
精加工~半精加工	DNMG150604 HQ 150608 HQ 150612 HQ	12.70	6.35	5.16	0.4	●	●	●	●	●	
	0.8				●	●	●	●	●		
	1.2				●	●	●	●	●		
	DNMG150404 CQ 150408 CQ 150412 CQ	12.70	4.76	5.16	0.4	●	●	●	●	●	
	0.8				●	●	●	●	●		
	1.2				●	●	●	●	●		
精加工~半精加工-提拉	DNMG150604 CQ	12.70	6.35	5.16	0.4	●	●	●	●	●	
	0.8	●	●	●	●	●	●				
	DNMG110404 GS 110408 GS	9.525	4.76	3.81	0.4	●	●	●	●	●	
	0.8				●	●	●	●	●		
	1.2				●	●	●	●	●		
半精加工~粗加工	DNMG150404 GS 150408 GS	12.70	4.76	5.16	0.4	●	●	●	●	●	
	0.8				●	●	●	●	●		
	DNMG150404 PG 150408 PG 150412 PG	12.70	4.76	5.16	0.4	●	●	●	●	●	
	0.8				●	●	●	●	●		
	1.2				●	●	●	●	●		
半精加工~粗加工	DNMG150604 PG 150608 PG 150612 PG	12.70	6.35	5.16	0.4	●	●	●	●	●	
	0.8				●	●	●	●	●		
	1.2				●	●	●	●	●		
	DNMG 150404 PS 150408 PS	12.70	4.76	5.16	0.4	●	●	●	●	●	
	0.8				●	●	●	●	●		
半精加工~粗加工	DNMG 150404	12.70	4.76	5.16	0.4	●	●	●	●	●	
	0.8				●	●	●	●	●		
粗加工	DNMG 150404 XF 150408 XF	12.70	4.76	5.16	0.4	●	●	●	●	●	
	0.8				●	●	●	●	●		
软钢·精加工·小切深	DNMG 150404 XP 150408 XP	12.70	4.76	5.16	0.4	●	●	●	●	●	
	0.8				●	●	●	●	●		
软钢·精加工	DNMG 150604 XP 150608 XP	12.70	6.35	5.16	0.4	●	●	●	●	●	
	0.8				●	●	●	●	●		
	DNMG 150404 XQ 150408 XQ	12.70	4.76	5.16	0.4	●	●	●	●	●	
	0.8				●	●	●	●	●		
软钢·半精加工	DNMG 150408 XS	12.70	4.76	5.16	0.8	●	●	●	●	●	
	1.2				●	●	●	●	●		
软钢·粗加工	DNGG 150402MFP-SK 150404MFP-SK	12.70	4.76	5.16	<	●	●	●	●	●	
	0.2				●	●	●	●	●		
精加工~半精加工·锋利刀尖 镜面规格					<	●	●	●	●	●	
					0.4	●	●	●	●	●	






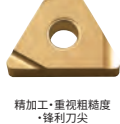





刀尖R (RE) 用不等号 (例: <0.1, <0.2等) 标示的刀片为刀尖R (RE) 负公差产品

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						
	DNGG 150404 R/L 150408 R/L	12.70	4.76	5.16	0.4	●	●	●	●	●	
	0.8				●	●	●	●	●		
中切削	RNMG 090300	9.525	3.18	3.81	-	●	●	●	●	●	
	RNMG 120400	12.70	4.76	5.16	-	●	●	●	●	●	
半精加工~粗加工	SNMG 120404 PQ 120408 PQ	12.70	4.76	5.16	0.4	●	●	●	●	●	
	0.8				●	●	●	●	●		
精加工~半精加工	SNMG 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	SNMG 120408 PG 120412 PG 120416 PG	12.70	4.76	5.16	0.8	●	●	●	●	●	
	1.2				●	●	●	●	●		
	1.6				●	●	●	●	●		
半精加工~粗加工	SNMG 090304 090308	9.525	3.18	3.81	0.4	●	●	●	●	●	
	0.8				●	●	●	●	●		
粗加工	SNMG 120404 120408 120412 120416 120420	12.70	4.76	5.16	0.4	●	●	●	●	●	
	0.8				●	●	●	●	●		
	1.2				●	●	●	●	●		
	1.6				●	●	●	●	●		
	2.0				●	●	●	●	●		
	SNMG 120408 XP	12.70	4.76	5.16	0.8	●	●	●	●	●	
	1.2	●	●	●	●	●	●				
软钢·精加工	SNMG 120408 XQ	12.70	4.76	5.16	0.8	●	●	●	●	●	
	1.2	●	●	●	●	●	●				
软钢·半精加工	SNMG 120408 XS	12.70	4.76	5.16	0.8	●	●	●	●	●	
	1.2	●	●	●	●	●	●				
软钢·粗加工	SNGG 090304 R/L-B 090308 R/L-B	9.525	3.18	3.81	0.4	●	●	●	●	●	
	0.8				●	●	●	●	●		
	1.2				●	●	●	●	●		
B: 精加工~半精加工 C: 半精加工~粗加工	SNGG 120404 R/L-C 120408 R/L-C	12.70	4.76	5.16	0.4	●	●	●	●	●	
	0.8				●	●	●	●	●		
	1.2				●	●	●	●	●		
SNMG 120404 R/L-C 120408 R/L-C		12.70	4.76	5.16	0.4	●	●	●	●	●	
	0.8				●	●	●	●	●		
	SNGG 120404 R/L-25R 120408 R/L-25R	12.70	4.76	5.16	0.4	●	●	●	●	●	
	0.8				●	●	●	●	●		
半精加工~粗加工·低阻力	TNMX 160404 WF 160408 WF 160412 WF	9.525	4.76	3.81	0.4	●	●	●	●	●	
	0.8				●	●	●	●	●		
1.2	●				●	●	●	●			
精加工·带修光刃					<	●	●	●	●	●	
					0.4	●	●	●	●	●	

标准库存(负角)






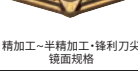







形状	型号	尺寸(mm)				刀尖R(RE)	PV710	PV720	PV730	TN610	TN620
		内接圆直径	厚度	孔径	孔距						
 精加工	TNMG 160402 PP 160404 PP 160408 PP 160412 PP	9.525	4.76	3.81	0.2 0.4 0.8 1.2	●	●	●	●	●	
 精加工	TNMG 110404 GP 110408 GP TNMG 160402 GP 160404 GP 160408 GP	6.35 9.525	4.76	2.26 3.81	0.4 0.8 0.2 0.4 0.8	●	●	●	●	●	
 精加工~半精加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





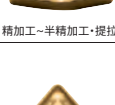


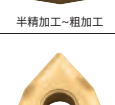




刀尖R(RE)用不等号(例: <0.1,<0.2等)标示的刀片为刀尖R(RE)负公差产品

形状 有方向的刀片 图示为右手(R)	型号	尺寸(mm)				刀尖R(RE)	PV710	PV720	PV730	TN610	TN620
		内接圆直径	厚度	孔径	孔距						
 精加工~半精加工	TNGG 160402 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	TNGG 160401MFP-SK 160402MFP-SK 160404MFP-SK	9.525	4.76	3.81	<0.1 <0.2 <0.4	●	●	●	●	●	
 半精加工~粗加工	TNMG 160404 R/L-ST 160408 R/L-ST	9.525	4.76	3.81	0.4 0.8	●	●	●	●	●	
 无断屑槽	TNMA 160404 160408	9.525	4.76	3.81	0.4 0.8	●	●	●	●	●	
 超精密	TNEG 160402 R/L-SSF 160404 R/L-SSF	9.525	4.76	3.81	0.2 0.4	●	●	●	●	●	
 精加工~重视粗糙度 ~锋利刀尖	TNGG 160401 R/L-S 160402 R/L-S 160404 R/L-S 160408 R/L-S	9.525	4.76	3.81	0.1 0.2 0.4 0.8	●	●	●	●	●	
 B: 精加工~半精加工 C: 半精加工~粗加工	TNGG 110302 R/L-B 110304 R/L-B TNGG 160402 R/L-B 160404 R/L-B 160408 R/L-B TNGG 160402 R/L-C 160404 R/L-C 160408 R/L-C 160412 R/L-C TNGG 220404 R/L-C 220408 R/L-C TNMG160404 R/L-C 160408 R/L-C	6.35 9.525 9.525 12.70 9.525	3.18 4.76	2.26 3.81 5.16 3.81	0.2 0.4 0.2 0.4 0.8 0.2 0.4 0.8 1.2 0.4 0.8 0.4 0.8	●	●	●	●	●	
 半精加工~粗加工~低阻力	TNGG 160404 R/L-25R 160408 R/L-25R	9.525	4.76	3.81	0.4 0.8	●	●	●	●	●	
 精加工	VNMG 160402 PP 160404 PP 160408 PP 160412 PP	9.525	4.76	3.81	0.2 0.4 0.8 1.2	●	●	●	●	●	
 精加工	VNMG 160402 GP 160404 GP 160408 GP	9.525	4.76	3.81	0.2 0.4 0.8	●	●	●	●	●	
 精加工~半精加工	VNMG 160404 R/L-VC 160408 R/L-VC 160412 R/L-VC	9.525	4.76	3.81	0.4 0.8 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	厚度						
 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	厚度						
 精加工	WNMG060404 GP 060408 GP	9.525	4.76	3.81	0.4 0.8	●	●	●	●	●	
 精加工~半精加工	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·提拉	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 080408	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)







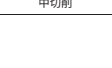
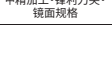
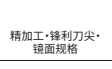
形状 有方向的刀片 图示为左手(L)	型号	尺寸 (mm)					PV710	PV720	PV730	TN610	TN620
		内接圆直径	厚度	孔径	刀尖 R(RE)	后角					
	CCMT 060202 WP 060204 WP 060208 WP	6.35	2.38	2.8	0.2 0.4 0.8	7°	●	●	●	●	●
	CCMT 09T302 WP 09T304 WP 09T308 WP	9.525	3.97	4.4	0.2 0.4 0.8	7°	●	●	●	●	
	精加工·带修光刃										
	CCMT 060202 PP 060204 PP	6.35	2.38	2.8	0.2 0.4	7°	●	●	●	●	
	CCMT 09T302 PP 09T304 PP 09T308 PP	9.525	3.97	4.4	0.2 0.4 0.8	7°	●	●	●	●	
精加工											
	CCMT 060202 GK 060204 GK	6.35	2.38	2.8	0.2 0.4	7°	●	●	●	●	
	CCMT 09T302 GK 09T304 GK	9.525	3.97	4.4	0.2 0.4	7°	●	●	●	●	
	CCMT 120404 GK 120408 GK	12.70	4.76	5.5	0.4 0.8	7°	●	●	●	●	
精加工~半精加工											
	CCMT 060202 HQ 060204 HQ	6.35	2.38	2.8	0.2 0.4	7°	●	●	●	●	
	CCMT 09T302 HQ 09T304 HQ 09T308 HQ	9.525	3.97	4.4	0.2 0.4 0.8	7°	●	●	●	●	
精加工~半精加工											
	CCGT 060201 060202 060204	6.35	2.38	2.8	0.1 0.2 0.4	7°	●	●	●	●	
	CCGT 09T301 09T302 09T304	9.525	3.97	4.4	0.1 0.2 0.4	7°	●	●	●	●	
	CCMT 09T308	9.525	3.97	4.4	0.8	7°	●	●	●	●	
中切削											
	CCGT 060201 MFP-SK 060202 MFP-SK 060204 MFP-SK	6.35	2.38	2.8	<0.1 <0.2 <0.4	7°	●	●	●	●	
	CCGT 09T301 MFP-SK 09T302 MFP-SK 09T304 MFP-SK	9.525	3.97	4.4	<0.1 <0.2 <0.4	7°	●	●	●	●	
半精加工·锋利刀尖· 镜面规格											
	CCGT 0602005 MFP-SKS 060201 MFP-SKS 060202 MFP-SKS	6.35	2.38	2.8	<0.05 <0.1 <0.2	7°	●	●	●	●	
	CCGT 09T3005 MFP-SKS 09T301 MFP-SKS 09T302 MFP-SKS 09T304 MFP-SKS	9.525	3.97	4.4	<0.05 <0.1 <0.2 <0.4	7°	●	●	●	●	
精加工·锋利刀尖· 镜面规格											
	CCET 030101 M ^{R/L} -F 030102 M ^{R/L} -F 030104 M ^{R/L} -F	3.5	1.4	1.9	<0.1 <0.2 <0.4	7°	●	L	L	●	L
	CCET 040101 M ^{R/L} -F 040102 M ^{R/L} -F 040104 M ^{R/L} -F	4.3	1.8	2.3	<0.1 <0.2 <0.4	7°	●	L	L	●	L
	精加工·锋利刀尖										


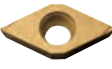



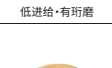



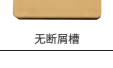



刀尖R (RE) 用不等号 (例: <0.1, <0.2等) 标示的刀片为刀尖R (RE) 负公差产品

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 060202 MF ^{R/L} -U	6.35	2.38	2.8	<0.1 <0.2	7°	●	●	●	●	●
	CCET 09T301 MF ^{R/L} -U 09T302 MF ^{R/L} -U	9.525	3.97	4.4	<0.1 <0.2	7°	●	●	●	●	●
低进给·锋利刀尖											
	CCGT 060201 E ^{R/L} -U 060202 E ^{R/L} -U 060204 E ^{R/L} -U	6.35	2.38	2.8	0.1 0.2 0.4	7°	●	L	L	●	L
	CCGT 09T301 E ^{R/L} -U 09T302 E ^{R/L} -U 09T304 E ^{R/L} -U	9.525	3.97	4.4	0.1 0.2 0.4	7°	●	●	●	●	●
低进给·有刃磨											
	CPMT 080202 PP 080204 PP	7.94	2.38	3.3	0.2 0.4	11°	●	●	●	●	
	CPMT 090302 PP 090304 PP 090308 PP	9.525	3.18	4.4	0.2 0.4 0.8	11°	●	●	●	●	
精加工											
	CPMT 080204 GP	7.94	2.38	3.3	0.4	11°	●	●	●	●	
	CPMT 090304 GP 090308 GP	9.525	3.18	4.4	0.4 0.8	11°	●	●	●	●	
精加工											
	CPMH 080204 HQ 080208 HQ	7.94	2.38	3.5	0.4 0.8	11°	●	●	●	●	
	CPMH 090304 HQ 090308 HQ	9.525	3.18	4.5	0.4 0.8	11°	●	●	●	●	
精加工~半精加工											
	CPMH 080204 080208	7.94	2.38	3.5	0.4 0.8	11°	●	●	●	●	
	CPMH 090304 090308	9.525	3.18	4.5	0.4 0.8	11°	●	●	●	●	
中切削											
	CPMT 080204 XP 090304 XP	7.94	2.38	3.3	0.4 0.8	11°	●	●	●	●	
	CPMT 090304 XQ 090308 XQ	9.525	3.18	4.4	0.4 0.8	11°	●	●	●	●	
软钢·精加工											
	CPMT 090304 XQ 090308 XQ	9.525	3.18	4.4	0.4 0.8	11°	●	●	●	●	
	CPMH 080204 ^{R/L} -Y 090304 ^{R/L} -Y	7.94	2.38	3.5	0.4 0.8	11°	●	●	●	●	
软钢·精加工~半精加工											
	DCMX 070202 WP 070204 WP 070208 WP	6.35	2.38	2.8	0.2 0.4 0.8	7°	●	●	●	●	
	DCMX 11T302 WP 11T304 WP 11T308 WP	9.525	3.97	4.4	0.2 0.4 0.8	7°	●	●	●	●	
精加工·带修光刃											

● : 标准库存 R : 仅有右手(R)库存 L : 仅有左手(L)库存








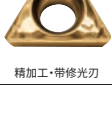

标准库存型号 (正角)



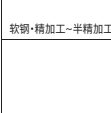



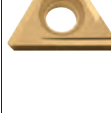
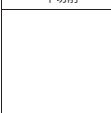
形状 有方向的刀片 图示为左手(L)	型号	尺寸 (mm)					PV710	PV720	PV730	TN610	TN620
		内接圆直径	厚度	孔径	刀尖 R(RE)	后角					
	DCMX070204 R/L-WP	6.35	2.38	2.8	0.4	7°	●			●	
	DCMX11T304 R/L-WP	9.525	3.97	4.4	0.4	7°	●			●	
	DCMT 070202 PP 070204 PP	6.35	2.38	2.8	0.2 0.4	7°	●	●	●	●	
	DCMT 11T302 PP 11T304 PP 11T308 PP	9.525	3.97	4.4	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°	●	●	●	●	

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°		●	●	●	
	SCMT 09T304 HQ 09T308 HQ	9.525	3.97	4.4	0.4 0.8	7°	●	●	●	●	
	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										

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)




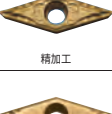
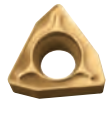



形状 有方向的刀片 图示为左手(L)	型号	尺寸 (mm)					PV710	PV720	PV730	TN610	TN620
		内接圆直径	厚度	孔径	刀尖 R(RE)	后角					
 精加工	TBMT 060102 DP 060104 DP	3.97	1.59	2.3	0.2	5°	●	●	●	●	●
					0.4		●	●	●	●	●
 精加工	TBGT 060102 R/L 060104 R/L	3.97	1.59	2.3	0.2	5°	●	●	●	●	●
					0.4		●	●	●	●	●
 精加工·带修光刃	TCMX 090204 WP	5.56	2.38	2.5	0.4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

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°	●	●	●	●	
	TPMT 160304 XP 160308 XP	9.525	3.18	4.4	0.4	11°	●	●	●	●	
 软钢·精加工~半精加工	TPMT 110304 XQ 110308 XQ	6.35	3.18	3.3	0.4	11°	●	●	●	●	
	TPMT 160304 XQ 160308 XQ	9.525	3.18	4.4	0.4	11°	●	●	●	●	
 精加工	TPGH 080202 R/L 080204 R/L	4.76	2.38	2.3	0.2	11°	L	●	L	●	
	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	
	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°	●	●	●	●	
	TPGH 110302 L-H 110304 R/L-H 110308 L-H	6.35	3.18	3.3	0.2	11°	L	L	L	L	
 中切削	TPGH 160304 L-H	9.525	3.18	4.5	0.4	11°	L	L	L	L	
	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°	●	●	●	●	
	TPGB 110302 110304 110308	6.35	3.18	3.3	0.2	11°	●	●	●	●	
 无断屑槽	TPGB 160304 160308	9.525	3.18	4.5	0.4	11°	●	●	●	●	
	TPMR 110304 GP	6.35	3.18	-	0.4	11°	●	●	●	●	
 精加工	TPMR 160304 GP	9.525	3.18	-	0.4	11°	●	●	●	●	
	TPMR 110304 HQ 110308 HQ	6.35	3.18	-	0.4	11°	●	●	●	●	
 精加工~半精加工	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°	●	●	●	●	
	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°	●	●	●	●	

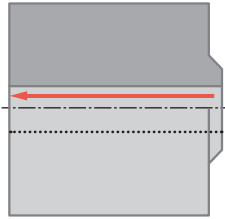
● : 标准库存 R : 仅有右手(R)库存 L : 仅有左手(L)库存

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

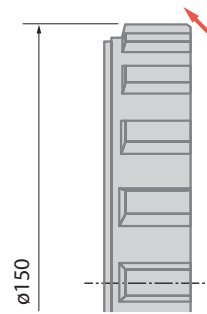
其他公司PVD
金属陶瓷 K

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

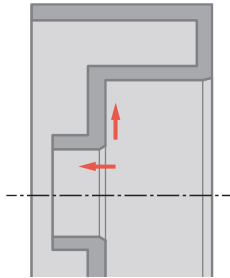
其他公司PVD
金属陶瓷 L

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

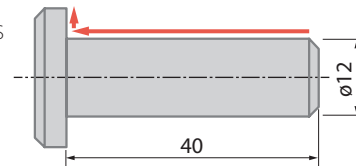
其他公司
金属陶瓷 M

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

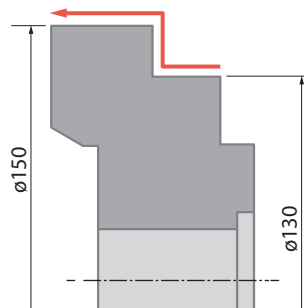
其他公司
金属陶瓷 N

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

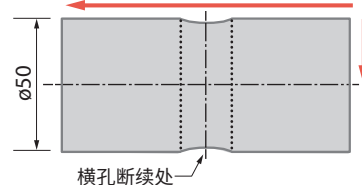
以往PVD
金属陶瓷 O

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

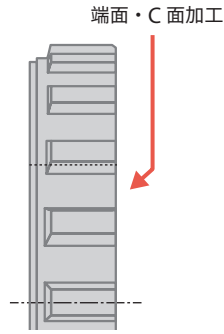
180 个/刀尖

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

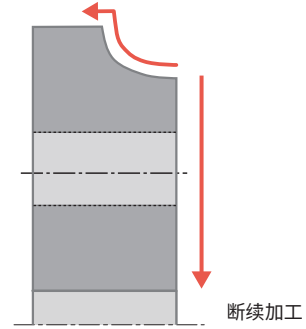
300个/刀尖 (不稳定)

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)

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