



MEGACOAT 金属陶瓷

MEGACOAT Cermets

扩大刀片产品线!!

Insert Lineup Expansion!!

用于钢加工

For Steel Cutting



钢加工的第一推荐材质

First recommended PVD cermet for general cutting of steel

PV7025

PV7010

钢加工的无涂层金属陶瓷

Uncoated Cermet for steel cutting

TN6010

TN6020

切削处理性能提高

Improved chip control



XF断屑槽

XF Chipbreaker

在高速·浅切领域中
发挥威力高可靠性

Optimum choice for high speed
and small ap cutting



高信赖性

High Reliability

长寿命

Extended Tool Life

用于铸铁加工

For Cast Iron Cutting

PV7005

ADVANCING PRODUCTIVITY

致力于生产效率提高的京瓷

MEGACOAT 金属陶瓷

MEGACOAT Cermet

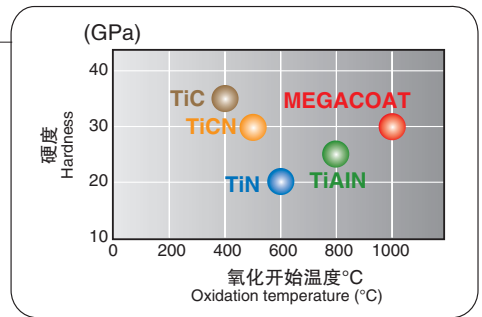
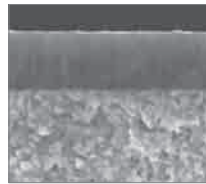
扩大刀片产品线 Insert Lineup Expansion

■ 新PVD技术MEGACOAT New MEGACOAT PVD technology

- 拥有卓越的耐磨损性与耐热性的MEGACOAT
MEGACOAT produces excellent wear resistance and heat resistance
- 高温稳定性+表面平滑性实现了完美加工面
Combination of smooth surface finish with oxidation resistance at high temperatures

■ 耐磨损性、耐热 Wear resistant and high resistant

MEGACOAT	高熔点金属的氮化物固溶体 Nitride solid solution of high melting point metal
	高硬度/耐氧化性 High hardness and oxidation resistance
	卓越的表面粗糙度 Superior surface roughness
	耐凹坑磨损性良好 Superior crater wear resistance



钢、铸铁加工交给MEGACOAT 金属陶瓷完成吧!!

Kyocera's MEGACOAT Cermet for steel and cast iron cutting!!

钢加工用 MEGACOAT 金属陶瓷

MEGACOAT CERMET for steel cutting



好评如潮!!

对生产率的提高作出贡献

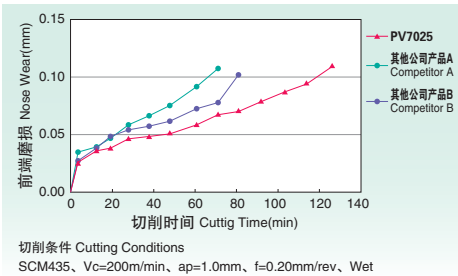
Kyocera's MEGACOAT cermet contributes your productivity improvement.

PV7025

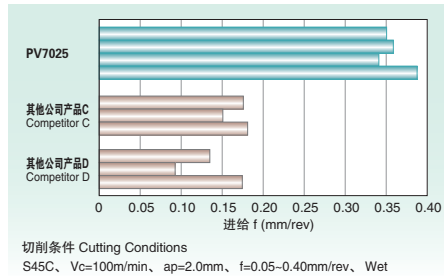
- 特性
- 除具备超微粒子金属陶瓷母材的高强度外, 还以MEGACOAT实现了长寿命
 - 钢加工的通用第一推荐PVD金属陶瓷

Features High strength by super micro-grain cermet substrate and long tool life by MEGACOAT
First recommended PVD cermet for general cutting of steel

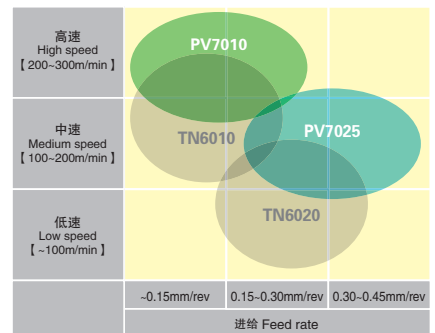
■ 耐磨损性比较 Comparison of wear resistance



■ 抗崩损性比较 Comparison of fracture resistance



钢 Steel



钢加工用 MEGACOAT 金属陶瓷

MEGACOAT CERMET for steel cutting

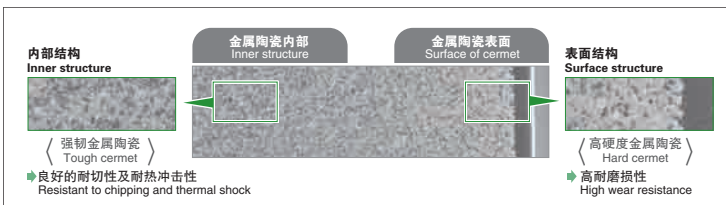
PV7010

- 特性
- 通过MEGACOAT+特殊表面改进金属陶瓷的双新技术实现了长寿命的稳定加工

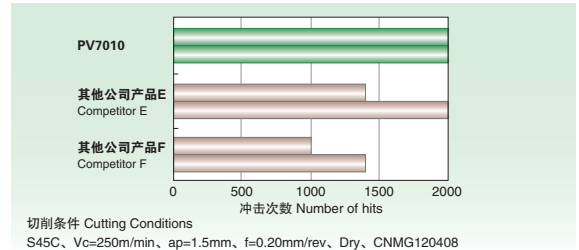
Feature Achieves superior tool life and stable cutting with two new technologies, MEGACOAT on the specially structured cermet

■ 表面改进金属陶瓷 Specially Structured Cermet

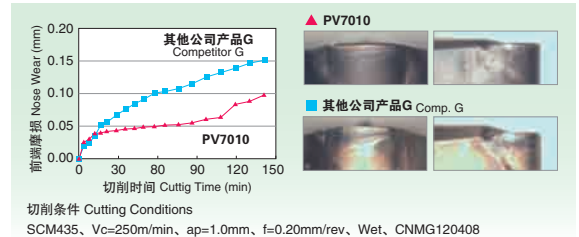
- 金属陶瓷表面是耐磨损性好的高硬度金属陶瓷, 内部是具有卓越抗崩损性的强韧金属陶瓷
Surface structure has high hardness and high wear resistance and inner structure has high toughness and high fracture resistance.



■ 抗崩损性比较 Comparison of fracture resistance



■ 耐磨损性比较 Comparison of wear resistance



具备高性价比的无涂层金属陶瓷 Cost Effective Uncoated CERMET

钢加工用 钢加工用金属陶瓷

CERMET for steel cutting

TN6010

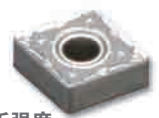
- 特性
- 兼具卓越耐磨损性与抗崩损性的特殊表面改性金属陶瓷

Feature Specially Structured Cermet combining an increased wear resistance and fracture resistance

TN6020

- 特性
- 高含氮超微粒子金属陶瓷实现了与硬质合金匹敌的抗折强度 (达到了以往本公司传统金属陶瓷的1.5~2倍)
 - 湿式切削加工时的可靠性得到改善

Features Flexural strength equal to carbide grade, due to high nitrogen content super micro-grain cermet (1.5 to 2 times of conventional Kyocera cermet grade)
Greatly improved reliability when cutting wet





可对汽车部件等进行其所需的高速、低切深加工

Applicable to automotive parts in high speed and small ap machining

提高了低碳钢、管材、铁板材质等黏着材质的切屑处理性能

Improved chip control of sticky materials, such as low carbon steel, pipe or plate steel

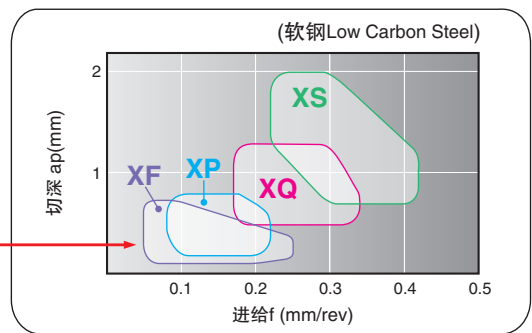
精加工用新型断屑槽

Innovative Chipbreaker for Finishing

XF断屑槽

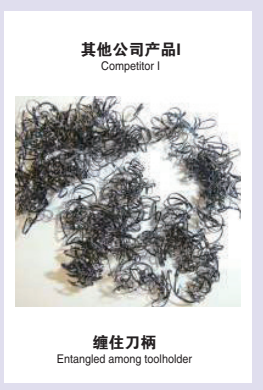
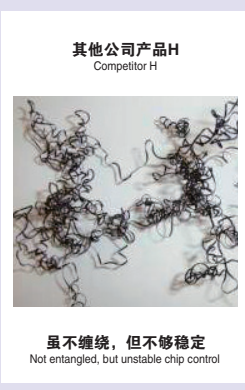
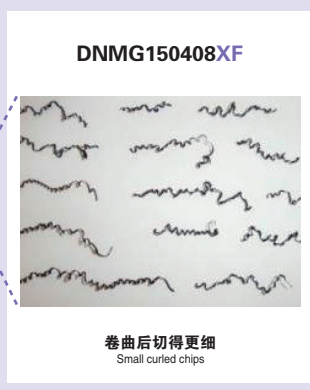
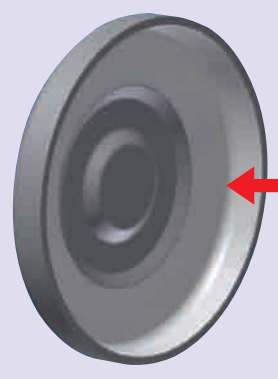
XF Chipbreaker

- 在高速、低切深领域中发挥威力
Optimum choice for high speed and small ap cutting



切屑处理性能比较 Comparison of Chip Control

- 切削条件
Cutting Conditions
- SPHC (从正面覆盖)
Front Cover
 - Vc=500m/min
 - ap=0.2mm
 - f=0.15mm/rev
 - 湿式Wet



铸铁加工用

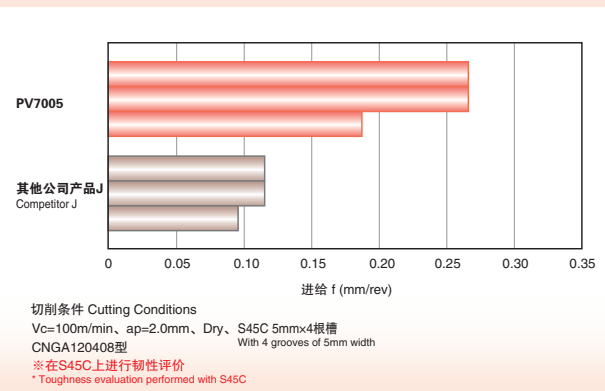
MEGACOAT 金属陶瓷

MEGACOAT CERMET for cast iron cutting

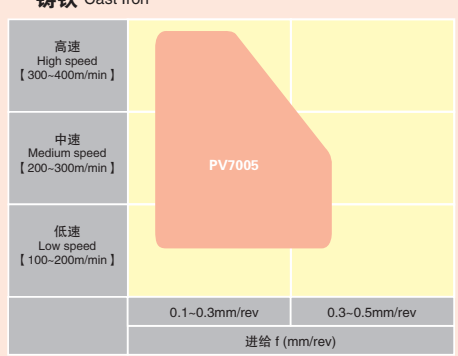
PV7005

- 特性
- 采用MEGACOAT，铸铁加工耐磨损性得以提高
 - 降低凹坑磨损的发展，抑制切刃脱落，使稳定加工成为可能
 - 母材采用专用铸铁加工的特殊TiC-TiN系金属陶瓷
- Feature
- Improved wear resistance for cast iron cutting through the use of MEGACOAT Controls deterioration of the cutting edge due to progressive crater wear, enabling stable cutting
The substrate is a special TiC-TiN cermet originally designed for cast iron cutting

抗崩损性比较 Comparison of fracture resistance

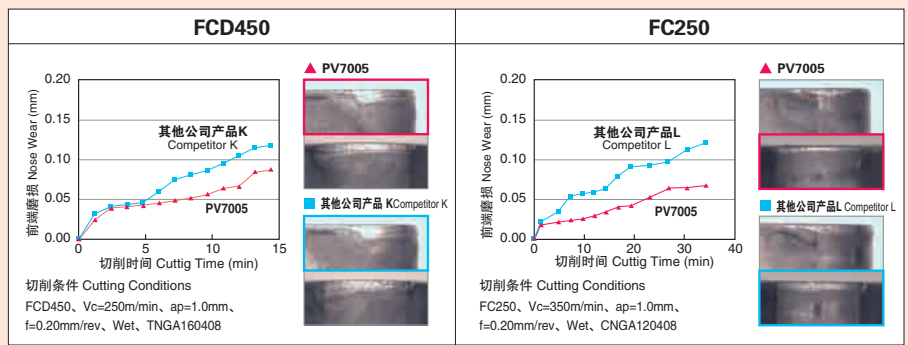


适用领域 Applicable Range



耐磨损性比较

Comparison of wear resistance



推荐切削条件

Recommended Cutting Conditions

被切削材料 Workpiece Material	刀片材质 (切削速度m/min) Insert Grade (Vc:m/min)	
	PV7010	PV7025
铁钢 (250HB以下) Carbon Steel (250HB or less)	220-270-320	180-250-300
合金钢 (300HB以下) Alloy Steel (300HB or less)	200-250-300	160-230-280

被切削材料 Workpiece Material	刀片材质 (切削速度m/min) Insert Grade (Vc:m/min)	
	TN6010	TN6020
铁钢 (250HB以下) Carbon Steel (250HB or less)	180-220-270	150-200-250
合金钢 (300HB以下) Alloy Steel (300HB or less)	160-200-250	130-180-230

被切削材料 Workpiece Material	刀片材质 (切削速度m/min) Insert Grade (Vc:m/min)
	PV7005
灰铸铁 (FC) Gray Cast Iron	300-350-400
球墨铸铁 (FCD) Nodular Cast Iron	150-250-300

加工案例

Case Studies

SCM435

- 套筒 Sleeve
- Vc=150m/min 180m/min
- ap=0.7mm(外径external)
- ap=0.5mm(端面facing)
- f=0.15mm/rev(外径external)
- f=0.2mm/rev(端面facing)
- 湿式(内部供油)Wet (internal coolant)
- VNMG160404VF (PV7010)

外径·端面精加工
For external and surface finish

PV7010	70个/刀尖 70 pcs/edge
其他公司产品M(金属陶瓷) Competitor M (Cermet)	50个/刀尖 50 pcs/edge

· PV7010与其他公司的产品M比较, 加工个数提高到1.4倍。
PV7010 produced 1.4 times more workpieces compared with competitor M.
(来自客户评价) Evaluation by the user

S43C

- 传动轴
Input Shaft
- Vc=200-220m/min
- ap=0.25-1mm
- f=0.05-0.3mm/rev
- 湿式(油性) Wet (oil base)
- VNMG160408VF (PV7025)

PV7025	450个/刀尖 450 pcs/edge
其他公司产品O(金属陶瓷) Competitor O (Cermet)	不稳定 Unstable 50-300个/刀尖 50-300 pcs/edge

· PV7025与其他公司的产品O比较, 加工个数提高到1.5-9倍。
PV7025 produced 1.5 ~ 9 times more workpieces compared with competitor O.
(来自客户评价) Evaluation by the user

SCr420H

- 齿轮零件 Gear
- Vc= 250m/min
- ap=0.5mm
- f=0.2mm/rev
- 湿式 Wet
- CNMG120404 (PV7010)

PV7010	500个/刀尖 500 pcs/edge
其他公司产品N(PVD金属陶瓷) Competitor N (PVD cermet)	250个/刀尖 250 pcs/edge

· PV7010与其他公司产品N(PVD金属陶瓷)比较, 工具使用寿命延长至原来的2倍。
Compared with competitor N (PVD cermet), PV7010 doubled tool life.
(来自客户评价) Evaluation by the user

SCM440

- 汽车零件 Automotive part
- Vc= 150m/min
- ap=0.5mm
- f=0.1mm/rev
- 湿式 Wet
- VNMG160404 (PV7025)

PV7025	2,500个/刀尖 2,500 pcs/edge
其他公司产品P(金属陶瓷) Competitor P (Cermet)	600个/刀尖 600 pcs/edge

· PV7025与其他公司产品P比较, 工具使用寿命延长至原来的4倍以上。
Compared with competitor P, PV7025 showed 4 times longer tool life.
(来自客户评价) Evaluation by the user

型号 Description	内径 I.C.	厚度 Thickness	孔径 Hole
CN_0904_	9.525	4.76	3.81
CN_1204_	12.7	4.76	5.16

型号 Description	内径 I.C.	厚度 Thickness	孔径 Hole
DN_1504_	12.7	4.76	5.16
DN_1506_	12.7	6.35	5.16

型号 Description	内径 I.C.	厚度 Thickness	孔径 Hole
RN_0903_	9.525	3.18	3.81
RN_1204_	12.7	4.76	5.16
SN_0903_	9.525	3.18	3.81
SN_1204_	12.7	4.76	5.16

■ 标准库存型号(负角刀片) Stock Items(Negative)

形状 Shape 有方向的刀片显示为右手刀(R) Handed insert shows Right-Hand	型号 Description	尺寸 (mm) Dimension (mm)	MEGACOAT 金属陶瓷 MEGACOAT Cermet		金属陶瓷 Cermet	
			刀尖角 R(re) Corner-R (re)	PV7005	PV7010	PV7025
精加工有修光刃 Finishing With Wiper Edge	CNMG 120404WP 120408WP	0.4 0.8	•	•	•	•
精加工-半精加工有修光刃 Finishing-Medium With Wiper Edge	CNMG 120404WQ 120408WQ 120412WQ	0.4 0.8 1.2	•	•	•	•
精加工 Finishing	CNMG 120402GP 120404GP 120408GP	0.2 0.4 0.8	•	•	•	•
精加工-半精加工 Finishing-Medium	CNMG 120404HQ 120408HQ	0.4 0.8	•	•	•	•
精加工-半精加工 端面 Finishing-Medium / Up facing	CNMG 120404CQ 120408CQ	0.4 0.8	•	•	•	•
半精加工-粗加工 Medium-Roughing	CNMG 120404GS 120408GS	0.4 0.8	•	•	•	•
半精加工-粗加工 Medium-Roughing	CNMG 120404PS 120408PS 120412PS	0.4 0.8 1.2	•	•	•	•
半精加工-粗加工 Medium-Roughing	CNMG 120404HS 120408HS 120412HS	0.4 0.8 1.2	•	•	•	•
半精加工-粗加工高进给 Medium-Roughing / High Feed	CNMG 120408GT	0.8	•	•	•	•
粗加工 Roughing	CNMG 120404 120408 120412	0.4 0.8 1.2	•	•	•	•
软钢 微小切深 Low Carbon Steel Small ap	CNMG 120404XF 120408XF	0.4 0.8	•	•	•	•
软钢 精加工 Low Carbon Steel Finishing	CNMG 120404XP 120408XP	0.4 0.8	•	•	•	•
软钢 半精加工 Low Carbon Steel Medium Finishing	CNMG 120404XQ 120408XQ	0.4 0.8	•	•	•	•
软钢 粗加工 Low Carbon Steel Roughing	CNMG 120408XS	0.8	•	•	•	•

形状 Shape 有方向的刀片显示为右手刀(R) Handed insert shows Right-Hand	型号 Description	尺寸 (mm) Dimension (mm)	MEGACOAT 金属陶瓷 MEGACOAT Cermet		金属陶瓷 Cermet	
			刀尖角 R(re) Corner-R (re)	PV7005	PV7010	PV7025
铸铁 无断屑槽 Cast Iron Without Chipbreaker	CNGA 120404 120408	0.4 0.8	•	•	•	•
铸铁 无断屑槽 Cast Iron Without Chipbreaker	CNGM 120404 120408	0.4 0.8	•	•	•	•
精加工 针对表面光洁度 Finishing / Surface Roughness Oriented	CNGG 090402%/-S 090404%/-S 090408%/-S	0.2 0.4 0.8	•	•	•	•
半精加工 Medium cutting	CNGG 120404%/- 120408%/-	0.4 0.8	•	•	•	•
半精加工-粗加工 低阻力 Medium-Roughing Low Cutting Force	CNGG 120404%/-25R 120408%/-25R	0.4 0.8	•	•	•	•
精加工 Finishing	DNMG 150402GP 150404GP 150408GP	0.2 0.4 0.8	•	•	•	•
精加工 Finishing	DNMG 150602GP 150604GP 150608GP	0.2 0.4 0.8	•	•	•	•
精加工-半精加工 Finishing-Medium	DNMG 150404HQ 150408HQ 150412HQ	0.4 0.8 1.2	•	•	•	•
精加工-半精加工 Finishing-Medium	DNMG 150604HQ 150608HQ 150612HQ	0.4 0.8 1.2	•	•	•	•
精加工-半精加工 端面 Finishing-Medium / Up facing	DNMG 150404CQ 150408CQ 150412CQ	0.4 0.8 1.2	•	•	•	•
精加工-半精加工 端面 Finishing-Medium / Up facing	DNMG 150604CQ	0.4	•	•	•	•
半精加工-粗加工 Medium-Roughing	DNMG 150404GS 150408GS	0.4 0.8	•	•	•	•
半精加工-粗加工 Medium-Roughing	DNMG 150404PS 150408PS 150412PS	0.4 0.8 1.2	•	•	•	•
半精加工-粗加工 Medium-Roughing	DNMG 150404HS 150408HS 150412HS	0.4 0.8 1.2	•	•	•	•
粗加工 Roughing	DNMG 150404 150408 150608	0.4 0.8 0.8	•	•	•	•
软钢 微小切深 Low Carbon Steel Small ap	DNMG 150404XF 150408XF	0.4 0.8	•	•	•	•
软钢 精加工 Low Carbon Steel Finishing	DNMG 150404XP 150408XP	0.4 0.8	•	•	•	•
软钢 粗加工 Low Carbon Steel Roughing	DNMG 150604XP 150608XP	0.4 0.8	•	•	•	•

形状 Shape 有方向的刀片显示为右手刀(R) Handed insert shows Right-Hand	型号 Description	尺寸 (mm) Dimension (mm)	MEGACOAT 金属陶瓷 MEGACOAT Cermet		金属陶瓷 Cermet	
			刀尖角 R(re) Corner-R (re)	PV7005	PV7010	PV7025
软钢 半精加工 Low Carbon Steel Medium Finishing	DNMG 150404XQ 150408XQ	0.4 0.8	•	•	•	•
软钢 半精加工 Low Carbon Steel Medium Finishing	DNMG 150604XQ 150608XQ	0.4 0.8	•	•	•	•
软钢 粗加工 Low Carbon Steel Roughing	DNMG 150408XS	0.8	•	•	•	•
铸铁 无断屑槽 Cast Iron Without Chipbreaker	DNMA 150408	0.8	•	•	•	•
半精加工 Medium cutting	DNGG 150404%/- 150408%/-	0.4 0.8	•	•	•	•
半精加工-粗加工 Medium-Roughing	RNMG 090300 120400	- -	•	•	•	•
精加工-半精加工 Finishing-Medium	SNMG 120404HQ 120408HQ 120412HQ	0.4 0.8 1.2	•	•	•	•
半精加工-粗加工 Medium-Roughing	SNMG 120408PS 120412PS	0.8 1.2	•	•	•	•
半精加工-粗加工 Medium-Roughing	SNMG 120408HS 120412HS 120416HS	0.8 1.2 1.6	•	•	•	•
粗加工 Roughing	SNMG 090304 090308 120404 120408 120412 120416	0.4 0.8 0.4 0.8 1.2 1.6	•	•	•	•
软钢 精加工 Low Carbon Steel Finishing	SNMG 120408XP	0.8	•	•	•	•
软钢 半精加工 Low Carbon Steel Medium Finishing	SNMG 120408XQ	0.8	•	•	•	•
软钢 粗加工 Low Carbon Steel Roughing	SNMG 120408XS	0.8	•	•	•	•
铸铁 无断屑槽 Cast Iron Without Chipbreaker	SNGA 120408	0.8	•	•	•	•
-B: 精加工-半精加工 Finishing-Medium -C: 半精加工-粗加工 Medium-Roughing	SNGG 090304%/-B 090308%/-B 120404%/-C 120408%/-C	0.4 0.8 0.4 0.8	•	•	•	•
半精加工-粗加工 - 低阻力 Medium-Roughing Low Cutting Force	SNGG 120404%/-25R 120408%/-25R	0.4 0.8	•	•	•	•

● : 标准库存 ● : Standard Stock

型号 Description	内径 I.C.	厚度 Thickness	孔径 Hole
TN_1103_	6.35	3.18	2.26
TN_1604_	9.525	4.76	3.81
TN_2204_	12.7	4.76	5.16

型号 Description	内径 I.C.	厚度 Thickness	孔径 Hole
VN_1604_	9.525	4.76	3.81

型号 Description	内径 I.C.	厚度 Thickness	孔径 Hole
WN_0804_	12.7	4.76	5.16

■ 标准库存型号(负角刀片) Stock Items(Negative)

形状 Shape	型号 Description	尺寸 (mm) Dimension (mm)	MEGACOAT 金属陶瓷 MEGACOAT Cermet				金属陶瓷 Cermet	
			刀尖角 R(re) Corner-R (re)	PV7005	PV7010	PV7025	TN6010	TN6020
精加工 Finishing	TNGM 160404DP 160408DP	0.4			•	•		
		0.8			•	•		
精加工 Finishing	TNGM 160402GP 160404GP 160408GP	0.2		•	•	•	•	
		0.4		•	•	•	•	
		0.8		•	•	•	•	
精加工-半精加工 Finishing-Medium	TNGM 160404HQ 160408HQ 160412HQ	0.4		•	•	•	•	
		0.8		•	•	•	•	
		1.2		•	•	•	•	
精加工-半精加工 端面 Finishing-Medium / Up facing	TNGM 160404CQ 160408CQ 160412CQ	0.4		•	•	•	•	
		0.8		•	•	•	•	
		1.2		•	•	•	•	
半精加工-粗加工 Medium-Roughing	TNGM 160404GS 160408GS	0.4			•			
		0.8			•			
半精加工-粗加工 Medium-Roughing	TNGM 160404PS 160408PS	0.4		•	•	•		
		0.8		•	•	•		
半精加工-粗加工 Medium-Roughing	TNGM 160404HS 160408HS 160412HS	0.4					•	
		0.8					•	
		1.2					•	
半精加工-粗加工 高进给 Medium-Roughing / High Feed	TNGM 160408GT	0.8			•			
粗加工 Roughing	TNGM 160404 160408 160412	0.4	•	•	•	•	•	
		0.8	•	•	•	•	•	
		1.2	•	•	•	•	•	
NEW 软钢 微小切深 Low Carbon Steel Small ap	TNGM 160404XF 160408XF	0.4 0.8		•	•	•	•	
软钢 精加工 Low Carbon Steel Finishing	TNGM 160404XP 160408XP	0.4		•	•	•	•	
		0.8		•	•	•	•	
软钢 半精加工 Low Carbon Steel Medium Finishing	TNGM 160404XQ 160408XQ	0.4		•	•	•	•	
		0.8		•	•	•	•	
软钢 粗加工 Low Carbon Steel Roughing	TNGM 160408XS	0.8			•		•	
不锈钢 半精加工-粗加工 Stainless Steel Medium-Roughing	TNGM 160404%-ST	0.4					•	

形状 Shape	型号 Description	尺寸 (mm) Dimension (mm)	MEGACOAT 金属陶瓷 MEGACOAT Cermet				金属陶瓷 Cermet	
			刀尖角 R(re) Corner-R (re)	PV7005	PV7010	PV7025	TN6010	TN6020
铸铁 无断屑槽 Cast Iron Without Chipbreaker	TNGA 160404 160408	0.4	•					
		0.8	•					
铸铁 无断屑槽 Cast Iron Without Chipbreaker	TNMA 160404 160408	0.4	•					
		0.8	•					
精加工 针对表面光洁度 Finishing / Surface Roughness Oriented	TNGG 160401%-L-S 160402%-L-S 160404%-L-S 160408%-L-S	0.1			•	•		
		0.2			•	•		
		0.4			•	•		
		0.8			•	•		
超精细 Super Fine	TNEG 160402%-SSF 160404%-SSF	0.2				•	•	
		0.4				•	•	
精加工 锋利刀片, 精密加工 Finishing / Sharp Edge / Precision	TNGG 110302%-B 110304%-B 160402%-L-B 160404%-L-B 160408%-L-B 160402%-L-C 160404%-L-C 160408%-L-C 160412%-L-C 160416%-L-C 220404%-L-C 220408%-L-C 160404%-L-C 160408%-L-C	0.2					•	
		0.4						•
		0.2			•	•	•	•
		0.4			•	•	•	•
		0.8			•	•	•	•
		0.2			•	•	•	•
-B: 精加工-半精加工 Finishing-Medium -C: 半精加工-粗加工 Medium-Roughing	TNGG 220404%-L-C 220408%-L-C	0.4					•	
		0.8					•	
半精加工-粗加工, 低阻力 Medium-Roughing Low Cutting Force	TNGG 160404%-L-25R 160408%-L-25R	0.4				•	•	
		0.8				•	•	
精加工 Finishing	VNMG 160402GP 160404GP 160408GP	0.2		•	•	•	•	
		0.4		•	•	•	•	
		0.8		•	•	•	•	
精加工-半精加工 Finishing-Medium	VNMG 160404VF 160408VF 160412VF	0.4		•	•	•	•	
		0.8		•	•	•	•	
		1.2		•	•	•	•	
精加工-半精加工 Finishing-Medium	VNMG 160404HQ 160408HQ 160412HQ	0.4		•	•	•	•	
		0.8		•	•	•	•	
		1.2		•	•	•	•	
粗加工 Roughing	VNMG 160404 160408	0.4		•	•	•	•	
		0.8		•	•	•	•	
半精加工 Medium cutting	VNGG 160402%-L 160404%-L 160408%-L	0.2		•	•	•	•	
		0.4		•	•	•	•	
		0.8		•	•	•	•	
铸铁 无断屑槽 Cast Iron Without Chipbreaker	VNGA 160404 160408	0.4	•					
		0.8	•					

形状 Shape	型号 Description	尺寸 (mm) Dimension (mm)	MEGACOAT 金属陶瓷 MEGACOAT Cermet				金属陶瓷 Cermet	
			刀尖角 R(re) Corner-R (re)	PV7005	PV7010	PV7025	TN6010	TN6020
精加工 有修光刃 Finishing With Wiper Edge	WNMG 080404WP 080408WP	0.4		•	•	•	•	
		0.8		•	•	•	•	
精加工-半精加工 有修光刃 Finishing-Medium With Wiper Edge	WNMG 080404WQ 080408WQ 080412WQ	0.4		•	•	•	•	
		0.8		•	•	•	•	
		1.2		•	•	•	•	
精加工 Finishing	WNMG 080404GP 080408GP	0.4		•	•	•	•	
		0.8		•	•	•	•	
精加工-半精加工 Finishing-Medium	WNMG 080404HQ 080408HQ 080412HQ	0.4		•	•	•	•	
		0.8		•	•	•	•	
		1.2		•	•	•	•	
精加工-半精加工 端面 Finishing-Medium / Up facing	WNMG 080404CQ 080408CQ 080412CQ	0.4		•	•	•	•	
		0.8		•	•	•	•	
		1.2		•	•	•	•	
半精加工-粗加工 Medium-Roughing	WNMG 080404GS 080408GS	0.4			•			
		0.8			•			
半精加工-粗加工 Medium-Roughing	WNMG 080404PS 080408PS	0.4		•	•	•		
		0.8		•	•	•		
半精加工-粗加工 Medium-Roughing	WNMG 080404HS 080408HS 080412HS	0.4					•	
		0.8					•	
		1.2					•	
粗加工 Roughing	WNMG 080404 080408	0.4		•	•	•		
		0.8		•	•	•		
软钢 精加工 Low Carbon Steel Finishing	WNMG 080404XP 080408XP	0.4		•	•	•	•	
		0.8		•	•	•	•	
软钢 半精加工 Low Carbon Steel Medium Finishing	WNMG 080404XQ 080408XQ	0.4		•	•	•	•	
		0.8		•	•	•	•	
软钢 粗加工 Low Carbon Steel Roughing	WNMG 080408XS	0.8			•		•	
铸铁 无断屑槽 Cast Iron Without Chipbreaker	WNMA 080408	0.8					•	

● : 标准库存 ● : Standard Stock R: 库存仅有右手产品(R) R: R-hand Only

型号 Description	内径 I.C.	厚度 Thickness	孔径 Hole	后角 Relief Angle
CC_0301_	3.5	1.4	1.9	7°
CC_0401_	4.3	1.8	2.3	7°
CC_0602_	6.35	2.38	2.8	7°
CC_09T3_	9.525	3.97	4.4	7°
CC_1204_	12.7	4.76	5.5	7°
CPMT0802_	7.94	2.38	3.3	11°
CPMT0903_	9.525	3.18	4.4	11°
CP_0802_	7.94	2.38	3.5	11°
CP_0903_	9.525	3.18	4.5	11°

型号 Description	内径 I.C.	厚度 Thickness	孔径 Hole	后角 Relief Angle
DC_0702_	6.35	2.38	2.8	7°
DC_11T3_	9.525	3.97	4.4	7°
RC_1003_	10.0	3.18	3.6	7°
RC_1204_	12.0	4.76	4.2	7°
SC_09T3_	9.525	3.97	4.4	7°
SP_0903_	9.525	3.18	4.5	11°
SP_1203_	12.7	3.18	5.5	11°

型号 Description	内径 I.C.	厚度 Thickness	孔径 Hole	后角 Relief Angle
TB_0601_	3.97	1.59	2.3	5°
TC_0802_	4.76	2.38	2.3	7°
TC_0902_	5.56	2.38	2.5	7°
TC_1102_	6.35	2.38	2.8	7°
TC_1103_	6.35	3.18	2.8	7°
TC_16T3_	9.525	3.97	4.4	7°
TPMT0902_	5.56	2.38	2.8	11°
TP_1103_	6.35	3.18	3.3	11°
TPMT1603_	9.525	3.18	4.4	11°

■ 标准库存型号(正角刀片) Stock Items(Positive)

形状 Shape 有方向的刀片显示为左手刀(L) Handed insert shows Left-Hand	型号 Description	尺寸 (mm) Dimension (mm) 刀尖角 R(re) Corner-R (re)	MEGACOAT 金属陶瓷 MEGACOAT Cermet		金属 陶瓷 Cermet	
			PV7005	PV7010	PV7025	TN6010
精加工-半精加工 Finishing-Medium	CCMT 060202GK	0.2	●	●	●	●
	060204GK	0.4	●	●	●	●
	CCMT 09T302GK	0.2	●	●	●	●
精加工-半精加工 Finishing-Medium	09T304GK	0.4	●	●	●	●
	CCMT 120404GK	0.4	●	●	●	●
	120408GK	0.8	●	●	●	●
精加工-半精加工 Finishing-Medium	CCMT 060202HQ	0.2	●	●	●	●
	060204HQ	0.4	●	●	●	●
	CCMT 09T302HQ	0.2	●	●	●	●
精加工-半精加工 Finishing-Medium	09T304HQ	0.4	●	●	●	●
	09T308HQ	0.8	●	●	●	●
	CCGT 060201	0.1	●	●	●	●
半精加工 Medium cutting	060202	0.2	●	●	●	●
	060204	0.4	●	●	●	●
	CCGT 09T301	0.1	●	●	●	●
超精细 Super Fine	09T302	0.2	●	●	●	●
	09T304	0.4	●	●	●	●
	CCMT 09T308	0.8	●	●	●	●
精加工 锋利刀尖、精密加工 Finishing / Sharp Edge / Precision	CCET 030101%-FSF	0.1	●	●	●	●
	030102%-FSF	0.2	●	●	●	●
	030104%-FSF	0.4	●	●	●	●
精加工 锋利刀尖、精密加工 Finishing / Sharp Edge / Precision	CCET 040101%-FSF	0.1	●	●	●	●
	040102%-FSF	0.2	●	●	●	●
	040104%-FSF	0.4	●	●	●	●
精加工 Finishing	CCGT 030101%-F	0.1	●	●	●	●
	030102%-F	0.2	●	●	●	●
	030104%-F	0.4	●	●	●	●
超精细 Super Fine	CCGT 040101%-F	0.1	●	●	●	●
	040102%-F	0.2	●	●	●	●
	040104%-F	0.4	●	●	●	●
精加工 锋利刀尖、精密加工 Low Feed / Sharp Edge / Precision	CCET 060201F%-USF	0.1	●	●	●	●
	060202F%-USF	0.2	●	●	●	●
	CCET 09T301F%-USF	0.1	●	●	●	●
精加工 锋利刀尖 Low Feed / Sharp Edge	09T302F%-U	0.2	●	●	●	●
	CCGT 060201F%-U	0.1	●	●	●	●
	060202F%-U	0.2	●	●	●	●
低进给 珩磨 Low Feed / With Honing	060204F%-U	0.4	●	●	●	●
	CCGT 09T301E%-U	0.1	●	●	●	●
	09T302E%-U	0.2	●	●	●	●
精加工 Finishing	09T304E%-U	0.4	●	●	●	●
	CPMT 080204GP	0.4	●	●	●	●
	CPMT 090304GP	0.4	●	●	●	●
精加工-半精加工 Finishing-Medium	090308GP	0.8	●	●	●	●
	CPMH 080204HQ	0.4	●	●	●	●
	080208HQ	0.8	●	●	●	●
半精加工 Medium cutting	CPMH 090304HQ	0.4	●	●	●	●
	090308HQ	0.8	●	●	●	●
	CPMH 080204	0.4	●	●	●	●
软钢 精加工 Low Carbon Steel Finishing	080208	0.8	●	●	●	●
	CPMH 090304	0.4	●	●	●	●
	090308	0.8	●	●	●	●
软钢 精加工-半精加工 Low Carbon Steel Finishing-Medium	CPMT 080204XP	0.4	●	●	●	●
	CPMT 090304XP	0.4	●	●	●	●
	090308XP	0.8	●	●	●	●
精加工-半精加工 Finishing-Medium	CPMT 090304XQ	0.4	●	●	●	●
	090308XQ	0.8	●	●	●	●
	CPMH 080204%-Y	0.4	●	●	●	●
精加工-半精加工 Finishing-Medium	090304%-Y	0.4	●	●	●	●

形状 Shape 有方向的刀片显示为左手刀(L) Handed insert shows Left-Hand	型号 Description	尺寸 (mm) Dimension (mm) 刀尖角 R(re) Corner-R (re)	MEGACOAT 金属陶瓷 MEGACOAT Cermet		金属 陶瓷 Cermet	
			PV7005	PV7010	PV7025	TN6010
精加工 Finishing	DCMT 070202GP	0.2	●	●	●	●
	070204GP	0.4	●	●	●	●
	DCMT 11T304GP	0.4	●	●	●	●
精加工-半精加工 Finishing-Medium	11T308GP	0.8	●	●	●	●
	DCMT 070202GK	0.2	●	●	●	●
	070204GK	0.4	●	●	●	●
精加工-半精加工 Finishing-Medium	070208GK	0.8	●	●	●	●
	DCMT 11T302GK	0.2	●	●	●	●
	11T304GK	0.4	●	●	●	●
精加工-半精加工 Finishing-Medium	11T308GK	0.8	●	●	●	●
	DCMT 070202HQ	0.2	●	●	●	●
	070204HQ	0.4	●	●	●	●
精加工-半精加工 Finishing-Medium	070208HQ	0.8	●	●	●	●
	DCMT 11T302HQ	0.2	●	●	●	●
	11T304HQ	0.4	●	●	●	●
精加工-半精加工 Finishing-Medium	11T308HQ	0.8	●	●	●	●
	DCGT 070201	0.1	●	●	●	●
	070202	0.2	●	●	●	●
半精加工 Medium cutting	070204	0.4	●	●	●	●
	DCGT 11T301	0.1	●	●	●	●
	11T302	0.2	●	●	●	●
软钢 精加工 Low Carbon Steel Finishing	11T304	0.4	●	●	●	●
	DCMT 11T308	0.8	●	●	●	●
	DCMT 070204XP	0.4	●	●	●	●
软钢 半精加工 Low Carbon Steel Medium Finishing	DCMT 11T302XP	0.2	●	●	●	●
	11T304XP	0.4	●	●	●	●
	11T308XP	0.8	●	●	●	●
软钢 精加工 Low Carbon Steel Finishing	DCMT 11T304XQ	0.4	●	●	●	●
	11T308XQ	0.8	●	●	●	●
	DCGT 070201%-F	0.1	●	●	●	●
精加工 Finishing	070202%-F	0.2	●	●	●	●
	070204%-F	0.4	●	●	●	●
	DCGT 11T301%-F	0.1	●	●	●	●
低进给 珩磨 Low Feed / With Honing	11T302%-F	0.2	●	●	●	●
	11T304%-F	0.4	●	●	●	●
	DCGT 070201F%-U	0.1	●	●	●	●
低进给 锋利刀尖 Low Feed / Sharp Edge	070202F%-U	0.2	●	●	●	●
	DCGT 11T301F%-U	0.1	●	●	●	●
	11T302F%-U	0.2	●	●	●	●
低进给 珩磨 Low Feed / With Honing	11T304F%-U	0.4	●	●	●	●
	DCGT 070201E%-U	0.1	●	●	●	●
	070202E%-U	0.2	●	●	●	●
低进给 珩磨 Low Feed / With Honing	070204E%-U	0.4	●	●	●	●
	DCGT 11T301E%-U	0.1	●	●	●	●
	11T302E%-U	0.2	●	●	●	●
低进给 珩磨 Low Feed / With Honing	11T304E%-U	0.4	●	●	●	●
	DCGT 11T301F%-J	0.1	●	●	●	●
	11T302F%-J	0.2	●	●	●	●
低进给 珩磨 Low Feed / With Honing	DCGT 11T301E%-J	0.1	●	●	●	●
	11T302E%-J	0.2	●	●	●	●
	11T304E%-J	0.4	●	●	●	●
软钢 精加工 Low Carbon Steel Finishing	RCMX 1003M0	-	●	●	●	●
	RCMX 1204M0	-	●	●	●	●

形状 Shape 有方向的刀片显示为左手刀(L) Handed insert shows Left-Hand	型号 Description	尺寸 (mm) Dimension (mm) 刀尖角 R(re) Corner-R (re)	MEGACOAT 金属陶瓷 MEGACOAT Cermet		金属 陶瓷 Cermet	
			PV7005	PV7010	PV7025	TN6010
精加工-半精加工 Finishing-Medium	SCMT 09T304HQ	0.4	●	●	●	●
	09T308HQ	0.8	●	●	●	●
半精加工 Medium cutting	SPMR 090304G	0.4	●	●	●	●
	090308G	0.8	●	●	●	●
精加工 Finishing	SPMR 120304G	0.4	●	●	●	●
	120308G	0.8	●	●	●	●
精加工 Finishing	SPGR 090304%L	0.4	●	●	●	●
	090308%L	0.8	●	●	●	●
	SPGR 120304%L	0.4	●	●	●	●
精加工 Finishing	120308%L	0.8	●	●	●	●
	SPGN 090304	0.4	●	●	●	●
	090308	0.8	●	●	●	●
精加工 Finishing	SPGN 120304	0.4	●	●	●	●
	120308	0.8	●	●	●	●
	SPMN 090308	0.8	●	●	●	●
铸铁 无断屑槽 Cast Iron Without Chipbreaker	SPMN 120308	0.8	●	●	●	●
	120312	1.2	●	●	●	●
精加工 Finishing	TBMT 060102DP	0.2	●	●	●	●
	060104DP	0.4	●	●	●	●
精加工 Finishing	TBGT 060102%L	0.2	●	●	●	●
	060104%L	0.4	●	●	●	●
精加工 Finishing	TCMT 090202HQ	0.2	●	●	●	●
	090204HQ	0.4	●	●	●	●
	TCMT 110202HQ	0.2	●	●	●	●
精加工-半精加工 Finishing-Medium	110204HQ	0.4	●	●	●	●
	110208HQ	0.8	●	●	●	●
	TCMT 16T304HQ	0.4	●	●	●	●
精加工 Finishing	16T308HQ	0.8	●	●	●	●
	TCGT 080202F%-U	0.2	●	●	●	●
	TCGT 110302F%-U	0.2	●	●	●	●
低进给 珩磨 Low Feed / With Honing	TCGT 110301E%-U	0.1	●	●	●	●
	110302E%-U	0.2	●	●	●	●
	110304E%-U	0.4	●	●	●	●
精加工 Finishing	TPMT 090202GP	0.2	●	●	●	●
	090204GP	0.4	●	●	●	●
	TPMT 110304GP	0.4	●	●	●	●
精加工 Finishing	110308GP	0.8	●	●	●	●
	TPMT 160304GP	0.4	●	●	●	●
	TPMT 090202HQ	0.2	●	●	●	●
精加工-半精加工 Finishing-Medium	090204HQ	0.4	●	●	●	●

型号 Description	内径 I.C.	厚度 Thickness	孔径 Hole	后角 Relief Angle
TP_0802_	4.76	2.38	2.3	11°
TP_0902_	5.56	2.38	3.0	11°
TP_1102_	6.35	2.38	3.5	11°
TP_1103_	6.35	3.18	3.3	11°
TP_1603_	9.525	3.18	4.5	11°
TP_1604_	9.525	4.76	4.4	11°

型号 Description	内径 I.C.	厚度 Thickness	孔径 Hole	后角 Relief Angle
TP_R1103_	6.35	3.18	-	11°
TP_R1603_	9.525	3.18	-	11°
TP_N1103_	6.35	3.18	-	11°
TP_N1603_	9.525	3.18	-	11°
VB_1103_	6.35	3.18	2.8	5°
VB_1604_	9.525	4.76	4.4	5°

型号 Description	内径 I.C.	厚度 Thickness	孔径 Hole	孔径 Relief Angle
VC_0802_	4.76	2.38	2.3	7°
WB_0601_	3.97	1.59	2.3	5°
WB_0802_	4.76	2.38	2.3	5°
WP_1102_	6.35	2.38	2.8	11°
WP_1603_	9.525	3.18	4.4	11°

■ 标准库存型号(正角刀片) Stock Items(Positive)

形状 Shape	型号 Description	尺寸 (mm) Dimension (mm)	MEGACOAT 金属陶瓷 Cermet		金属陶瓷 Cermet		
			刀尖角 R(re) Corner-R (re)	PV7005 PV7010 PV7025 TN6010 TN6020	PV7005 PV7010 PV7025 TN6010 TN6020	PV7005 PV7010 PV7025 TN6010 TN6020	
有方向的刀片显示为左手刀(L) Handed insert shows Left-Hand	TPGH 080202% 080204% L	0.2 0.4	●	L	●	L	●
	TPGH 090202% 090204% L	0.2 0.4	●	L	●	L	●
	TPGH 110202% 110204% L	0.2 0.4	●	L	●	L	●
	TPGH 110302% 110304% 110308% L	0.2 0.4 0.8	●	L	●	L	●
	TPGH 160302% 160304% 160308% L	0.2 0.4 0.8	●	L	●	L	●
精加工 Finishing	TPGH 110302% 110304% 110308% -H	0.2 0.4 0.8		L	L	L	L
	TPGH 160304% -H	0.4		L	L	L	L
	TPGT 160402% 160404% -H	0.2 0.4		L	L	L	L
半精加工 Medium cutting	TPGB 080202 080204	0.2 0.4	●		●		●
	TPGB 090204	0.4	●		●		●
	TPGB 110204	0.4	●		●		●
	TPGB 110302 110304 110308	0.2 0.4 0.8	●		●		●
	TPGB 160304 160308	0.4 0.8	●		●		●
铸铁 无断屑槽 Cast Iron Without Chipbreaker	TPMR 110304GP	0.4					●
	TPMR 160304GP	0.4					●
精加工 Finishing	TPMR 110304HQ 110308HQ	0.4 0.8					●
	TPMR 160304HQ 160308HQ	0.4 0.8					●
精加工-半精加工 Finishing-Medium	TPMR 110304 110308	0.4 0.8	●		●		●
	TPMR 160304 160308	0.4 0.8	●		●		●

形状 Shape	型号 Description	尺寸 (mm) Dimension (mm)	MEGACOAT 金属陶瓷 Cermet		金属陶瓷 Cermet		
			刀尖角 R(re) Corner-R (re)	PV7005 PV7010 PV7025 TN6010 TN6020	PV7005 PV7010 PV7025 TN6010 TN6020	PV7005 PV7010 PV7025 TN6010 TN6020	
有方向的刀片显示为左手刀(L) Handed insert shows Left-Hand	TPGR 110302% 110304% -A	0.2 0.4	L		R	L	L
	TPGR 110304% 110308% -B	0.4 0.8		L	R	L	R
	TPGR 160302% 160304% 160308% -B	0.2 0.4 0.8	L	L	L	L	L
	TPGR 160304% 160308% -C	0.4 0.8	L	L	L	L	L
	TPGN 110304 110308	0.4 0.8	●		●		●
铸铁 无断屑槽 Cast Iron Without Chipbreaker	TPMN 160304 160308	0.4 0.8	●		●		●
	VBMT 110304GP	0.4		●	●	●	●
精加工 Finishing	VBMT 160404GP 160408GP	0.4 0.8		●	●	●	●
	VBMT 110302VF 110304VF 110308VF	0.2 0.4 0.8		●	●	●	●
精加工 Finishing	VBMT 160402VF 160404VF 160408VF 160412VF	0.2 0.4 0.8 1.2		●	●	●	●
	VBMT 110304HQ 110308HQ	0.4 0.8		●	●	●	●
精加工-半精加工 Finishing-Medium	VBMT 160404HQ 160408HQ 160412HQ	0.4 0.8 1.2		●	●	●	●
	VBGT 110301% 110302% -F	0.1 0.2		●	●	●	●
精加工 Finishing	VBGT 110301% 110302% -Y	0.1 0.2		●	●	●	●
	VBGT 160402% 160404% -Y	0.2 0.4		●	●	●	●

形状 Shape	型号 Description	尺寸 (mm) Dimension (mm)	MEGACOAT 金属陶瓷 Cermet		金属陶瓷 Cermet		
			刀尖角 R(re) Corner-R (re)	PV7005 PV7010 PV7025 TN6010 TN6020	PV7005 PV7010 PV7025 TN6010 TN6020	PV7005 PV7010 PV7025 TN6010 TN6020	
精加工 Finishing	VCMT 080202VF 080204VF	0.2 0.4		●	●	●	●
	VCMT 080202HQ 080204HQ	0.2 0.4		●	●	●	●
精加工-半精加工 Finishing-Medium	WBMT 060102% 060104% -DP	0.2 0.4		L	L	L	L
	WBMT 080202% 080204% -DP	0.2 0.4		L	L	L	L
精加工 Finishing	WGBT 060102% 060104% -F	0.2 0.4		●	L	●	L
	WGBT 080201% 080202% 080204% -F	0.1 0.2 0.4		●	L	●	L
精加工-半精加工 Finishing-Medium	WPMT 110204HQ	0.4		●	●	●	●
	WPMT 160304HQ 160308HQ	0.4 0.8		●	●	●	●
精加工-半精加工 Finishing-Medium	WPGT 110204% -Y	0.4					L
	WPGT 160304% -Y	0.4					L

●: 标准库存 ●: Standard Stock R: 库存仅有右手产品(R) R: R-hand Only L: 库存仅有左手产品(L) L: L-hand Only

切削工具相关咨询

400-650-6400-5

● 受理时间 8:45-11:45 · 12:45-17:30
● 周六、日以及法定节假日期间不受理业务。

※个人信息的使用: 回答用户咨询问题, 提高服务品质, 提供产品信息。
※咨询时, 请确认电话号码的正确性。



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