

KELITE



2019  
综合产品目录  
PRODUCTS CATALOG

网址: [www.zzklt.com](http://www.zzklt.com)

**株洲科力特新材料有限公司**  
ZHUZHOU KELITE ADVANCED MATERIALS CO.,LTD.

●地址: 湖南省株洲市天元区中达路汽配园C区4栋A ●电话: 0731-22461968  
●传真: 0731-22462000 ●邮箱: [zzklt@163.com](mailto:zzklt@163.com)



►匠心品质 稳定高效  
Ingenuity Quality ;Stable and Efficient .



匠心品质 稳定高效

Ingenuity Quality ; Stable and Efficient .



# COMPANY PROFILE

## 公司简介

株洲科力特新材料有限公司坐落于中国硬质合金之乡——湖南省株洲市。公司成立于2005年，专业从事各类涂层数控车削、铣削、切断、切槽刀片，金属陶瓷刀片，立铣刀以及棒材的生产、研发和销售，同时接受来图来样的非标产品订制，为机械加工制造行业提供完善的刀具解决方案。

科力特现有员工百余人，其中专业从事硬质合金切削刀具行业的资深高级技术工程师占比25%以上。经过多年的努力，公司拥有完善的质量控制体系、先进的技术生产实力以及强大的产品研发能力,可为您提供更为优质的产品。

为了加强公司的竞争优势，近年来科力特加大了对先进生产设备以及技术的投资，添加了多台压力烧结炉、进口的成型压机、深加设备以及CVD涂层中心，现具备年产千万片以上数控刀片的生产能力。

凭借优质、用心的服务，科力特在中国大陆地区逐渐树立起公司良好的品牌形象。同时还建立了东莞长安、无锡、天津、沈阳、成都等销售网点，拥有完善的快速反应售后服务体系，为广大客户在使用产品过程中遇到的问题和困难提供及时有效的咨询与帮助。

在专注国内市场开拓的同时，公司产品远销欧洲、中东、南美、东南亚等国。优质的产品质量和极具竞争力的价格体系赢得了广大国内外客户的支持与信任。

多年来，公司一直以“工艺精湛，品质卓越，服务满意”为核心，秉承着“科技求新，厚植实力，特色经营”的企业理念，把为客户创造最大的发展利益当成科力特人不断的追求！

为了更好的发展，科力特诚邀广大经销商加盟洽谈，我们相信，通过广大经销商与科力特人的不断努力和追求，一定能够实现互利共赢的美好目标！



Located in the hometown of Tungsten Carbide of China, Zhuzhou Kelite Advanced Materials Co.,Ltd has been specialized in CNC carbide turning and milling inserts, parting & grooving inserts, cermet inserts and rods, carbide saw tips, carbide welding and clamping inserts since 2005. We also special design and manufacture to the specifications of our customers, providing a complete solution for the mechanical processing and manufacturing industries.

Kelite now have staff of 120-150 people, including 25% senior technical engineers who has been engaged in the carbide cutting tools area for many years. Our teams has great experiences on CNC cutting inserts technology and strong ability in developing new products.

We have a annual production ability of 10 million pcs of CNC blades by investing advance full automatic machine from Switzerland, imported full automatic pressure machine, vacuum and sintering furnace, full automatic grinding machine, deep processing equipment and CVD/PVD coating center.

Our company has build up good brand image by quality and sincere service in mainland China, we have sales network in Chang'an (Dongguang), Wuxi, Tianjin, Shenyang, Chengdu etc.

While extensively expanding the domestic market, we also have attending international exhibitions all around world with good reputations. Our products are exported to Europe, the Middle East, South America, Southeast Asia etc.

With a principle of “Sci-tech innovation, Enhance Strength, Characteristic Management” the company regards “Consummate Technical, Excellent quality, Satisfaction Service”as the core of culture. It is our constant pursuit to serve the customers better.

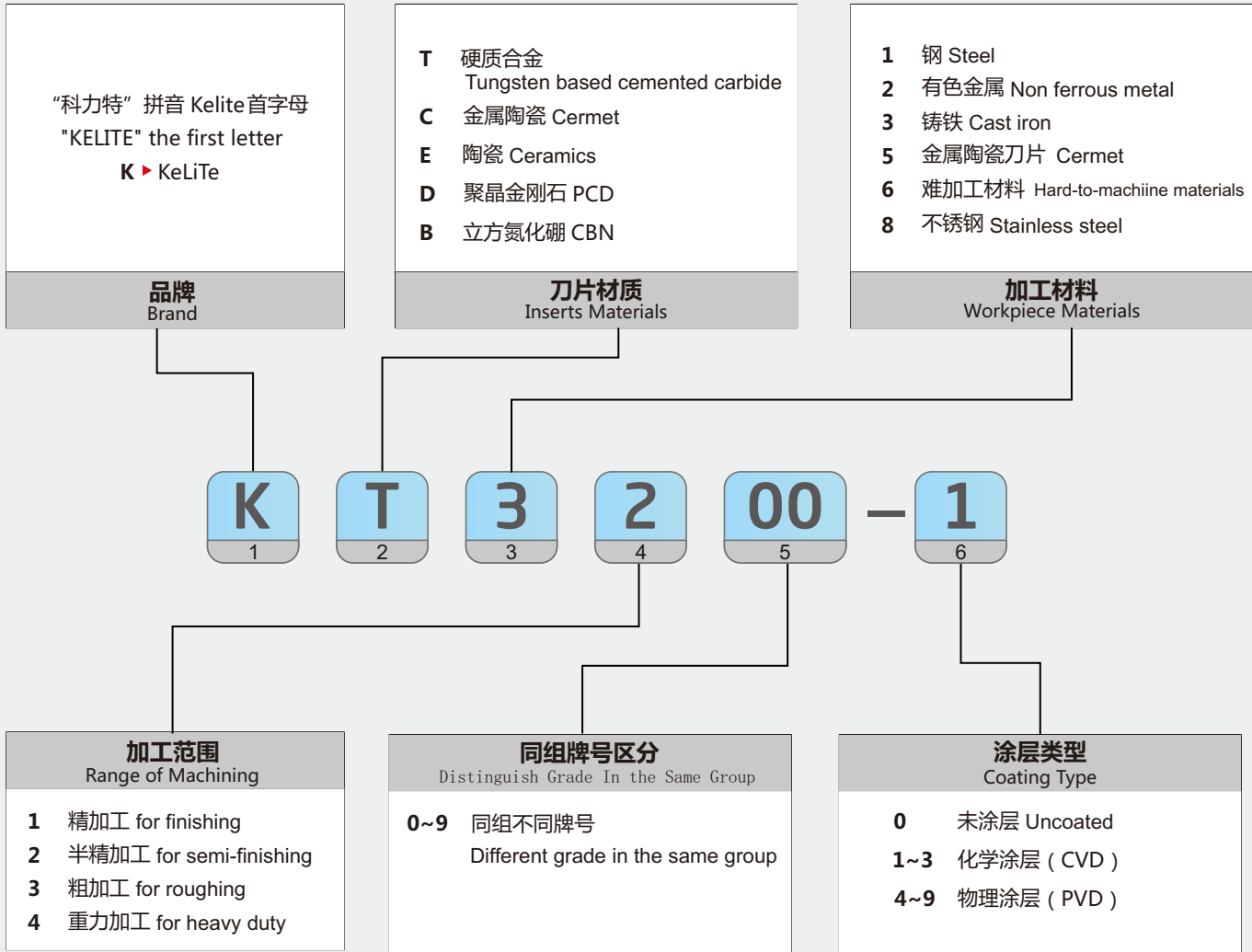
We believe that we can achieve mutual benefits and win-win result with our customer through our continuous efforts and pursuit.

# 目录 CONTENTS

牌号命名规则 Inserts Grade Naming Rule	006
<b>A 车削刀片 Turning Inserts</b>	<b>007</b>
车削刀片牌号介绍 Grade Informations	009
产品牌号一览表 Recommended Grade Table	010
普通车削刀片型号命名规则 Identification System	013
钢件车削 General Turning Inserts for Steel	015
不锈钢车削 General Turning Inserts for Stainless Steel	027
铸铁车削 General Turning Inserts for Cast Iron	039
铝合金车削 General Turning Inserts for Aluminum	046
镗孔精车刀片 Boring Tools	050
螺纹车削 Threading Inserts	057
螺纹刀片型号命名规则 Identification System	058
切断切槽车削 Parting and Grooving Inserts	061
切断切槽刀片型号命名规则 Identification System	062
<b>B 铣削刀片 Milling Inserts</b>	<b>067</b>
铣削刀片牌号介绍 Grade Informations	069
铣削刀片型号命名规则 Identification System	071
常规铣削刀片 Carbide Milling Tools	073
<b>C 孔加工刀片 Hole Machining Inserts</b>	<b>081</b>
浅孔钻刀片Shallow hole drilling Inserts	083
深孔钻刀片Deep-hole drill Turning Inserts	086
<b>D 刮管刀片 Tube Scraper Inserts</b>	<b>087</b>
<b>E 重力切削刀片 Heavy Duty Inserts</b>	<b>093</b>
<b>F 非标异形刀片 Special Design Inserts</b>	<b>097</b>
<b>G 圆棒和立铣刀 Carbide Rods and Solid Carbide End Mill</b>	<b>101</b>
<b>H 刀杆和刀盘 Holders and Cutter</b>	<b>139</b>
<b>I 通用技术信息 General Technical Informations</b>	<b>147</b>



科力特牌号命名规则 Inserts Grade Naming Rule







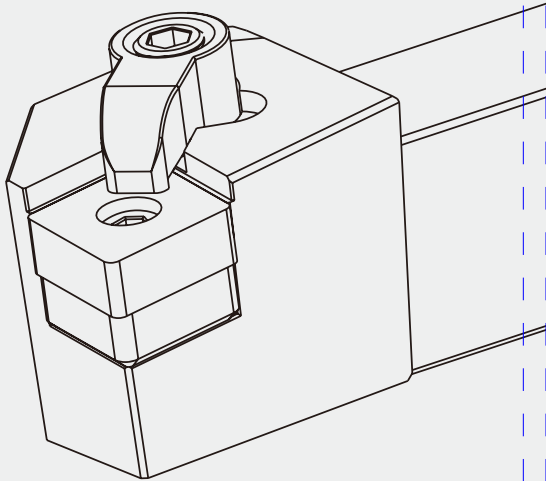
# Turning Tools

## 车削刀片

# A 车削刀片

## Turning Inserts

车削刀片牌号介绍	Grade Informations	009
产品牌号一览表	Recommended Grade Table	010
普通车削刀片型号命名规则	Identification System	013
钢件车削	General Turning Inserts for Steel	015
不锈钢车削	General Turning Inserts for Stainless Steel	027
铸铁车削	General Turning Inserts for Cast Iron	039
铝合金车削	General Turning Inserts for Aluminum	046
镗孔精车刀片	Boring Tools	051
螺纹车削	Threading Inserts	058
螺纹刀片型号命名规则	Identification System	059
切断切槽车削	Parting and Grooving Inserts	061
切断切槽刀片型号命名规则	Identification System	062



车削刀片牌号介绍

Grade Informations

KT1100	P10~P20	<p>The special high-hardness substrate of gradient structure, combined with the thick TiCN and thick Al<sub>2</sub>O<sub>3</sub> coating, greatly improves the wear resistance of the inserts. Applicable to steel finishing processing, stable working conditions, and the pursuit of high wear-resistant occasions.</p> <p>梯度结构的高硬度专用基体，搭配厚的TiCN和厚Al<sub>2</sub>O<sub>3</sub>涂层，使得刀片的耐磨性大幅提升。适用于钢件精加工，稳定工况，追求高耐磨场合。</p>
KT1200	P15~P30	<p>Substrate of good toughness and strength combined with the thick TiCN and thick Al<sub>2</sub>O<sub>3</sub> coating, makes the coating greatly improved in wear-resistance and looks good in appearance. It is suitable for various processing of steel.</p> <p>韧性与强度好的基体与厚的TiCN和厚Al<sub>2</sub>O<sub>3</sub>涂层组合，使得涂层兼顾美观的同时，耐磨性得到大幅提升，适合钢件的通用加工</p>
KT1300	P15~P30	<p>The high-toughness substrate is matched with TiCN and Al<sub>2</sub>O<sub>3</sub> coatings of suitable thickness, so that the material can still achieve both wear resistance and stability under strong impact conditions, which is suitable for rough processing of steel..</p> <p>高韧性的基体搭配合适厚度的TiCN、Al<sub>2</sub>O<sub>3</sub>涂层，使得材质在强冲击力工况下仍能兼顾耐磨性和稳定性，适合钢件的车削粗加工。</p>
KT8100	P10~P15 M10~M15	<p>Ultra-fine particle base substrate, high wear resistance, fine edge treatment, suitable for finishing processing and finishing boring of stainless steel .</p> <p>超细颗粒基体材质，耐磨性高，刃口处理精细，适用于不锈钢的精加工和精镗加工。</p>
KT8200	K15-K25 P15-P25 M15-M25	<p>The high-toughness substrate is matched with a suitable thickness of AlTiN coating to achieve both wear resistance and toughness. It is suitable for many fields from general machining of stainless steel turning to milling.</p> <p>高韧性的基体搭配适宜厚度的AlTiN涂层，使之兼顾耐磨性与强韧性，能胜任从不锈钢车削通用加工到铣削加工的众多领域。</p>
KT8280	P15-P30 M15-M30 K15-K30	<p>The preferred grade for stainless turning,for semi-finishing and roughing under continuous,interrupted cutting conditions.</p> <p>不锈钢车削加工首选牌号，适用于连续、断续切削条件下的半精加工到粗加工。</p>
KT8300	M15-M30	<p>It is suitable for large depth of cut and large feed of turning of stainless steel under severe working conditions.</p> <p>适用于恶劣工况下不锈钢材质的大切深、大进给车削。</p>
KT3150	K15~K25	<p>Thick Al<sub>2</sub>O<sub>3</sub> + thick TiCN coating combined with hard substrate, with advanced coating technology to ensure smooth coating surface, low friction coefficient, suitable for cast iron finishing processing.</p> <p>厚Al<sub>2</sub>O<sub>3</sub>+厚TiCN涂层与坚硬基体结合，配合先进的涂层工艺，确保涂层表面光滑，摩擦系数小，适合铸铁精加工。</p>
KT3260	K15~K25	<p>TiN + medium thickness Al<sub>2</sub>O<sub>3</sub> + thick TiCN coating combined with hard substrate, good resistance to spalling, suitable for continuous and interrupted turning of cast iron with toughness requirements.</p> <p>TiCN+中厚Al<sub>2</sub>O<sub>3</sub>+厚TiCN涂层与坚硬基体结合，良好的抗剥落性，适合有韧性要求的铸铁连续、断续车削加工。</p>

车削刀片牌号介绍

Grade Informations

KT2100	K10~K20	<p>It is suitable for the finishing of aluminum alloy and cast iron.</p> <p>铝用加工、铸铁精加工牌号</p>
KT2200	K15-K25 P15-P25 M15-M25	<p>It is suitable for various processing of aluminum alloy turning to milling.</p> <p>铝合金车削通用加工、铣削加工</p>
KT6250	H10~H30	<p>KT6250 is a PVD nano-coated ultra-fine grained carbide grade for turning of hardened steel.</p> <p>PVD纳米涂层的超细晶粒硬质合金牌号，适用于淬硬钢的车削加工。</p>
KT6200	S15~S30	<p>Substrate with excellent deformation resistance plus nano-coating, suitable for semi-finishingof hard-to-machine materials such as high-temperature alloys.</p> <p>抗变形能力极好的基体材料加纳米涂层，适合高温合金等难加工材料的半精加工。</p>
KC5280	P10~P25 K10~K25 M10~M25	<p>Grade for cermet turning,The combination of fine dispersed hard phase particles, binder phase streng thening and annular phase structure control makes it get good toughness, excellent red hardness and crater wear resistance, and is suitable for the finishing and semi-finishing of steel, cast iron etc.</p> <p>金属陶瓷牌号，细小弥散的硬质相颗粒、粘结相强化和环形相结构控制三者结合，使之表现出良好的韧性，优异的红硬性和抗月牙洼磨损性能，适用于钢件、铸铁等材料的精、半精加工。</p>
KT1330	P20~P40	<p>Special Grade for Deburr Turning Inserts.</p> <p>刮管刀、内毛刺刀专用</p>
KT3220	K20-K30 P10~P30	<p>A tough substrate with TiN+Al<sub>2</sub>O<sub>3</sub>+TiCN coating for general processing of various materials.</p> <p>韧性基体搭配TiN+Al<sub>2</sub>O<sub>3</sub>+TiCN涂层，适合各种钢件、铸铁的半精加工。</p>




















车削产品牌号一览表 Recommended Grade Table

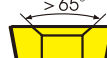

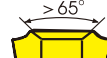

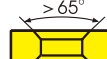

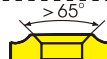

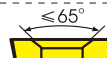

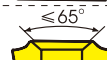

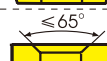

工件材料 Workpiece materials	ISO代号 ISO Code	CVD	PVD	金属陶瓷 Cermet	硬质合金 Cemented carbide	超硬材料 Superhard materials
P	P01					
	P10	KT1100		KC5280		
	P20	KT1200 KT1300	KT8280			
	P30	KT1330				
	P40					
M	M01					
	M10		KT8100 KT8200	KC5280		
	M20	KT8300	KT8280 KT8290			
	M30					
	M40					
K	K01	KT3150				
	K10	KT3260		KC5280		
	K20	KT3220				
	K30					
N	N01					
	N10				KT2100 KT2200	
	N20					
	N30					
S	S01					
	S10		KT6200			
	S20					
	S30					
H	H01					
	H10		KT6250			
	H20					
	H30					



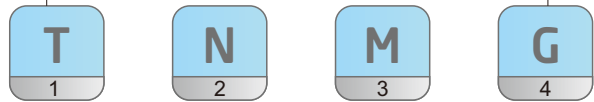
普通车削刀片命名规则










Naming Rules

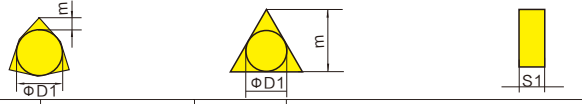
刀片形状代号 Insert Shape		
 A	 B	 C
 D	 E	 H
 K	 L	 M
 O	 P	 R
 S	 T	 T
 V	 W	其他 Z

公制 ISO Code							
代号	有无孔	有无断屑槽	刀片剖面	代号	有无孔	有无断屑槽	刀片剖面
B	有 Y	无 N		N	无 N	无	
H	有 Y	单面 Single Face		R	无 N	单面 Single Face	
C	有 Y	无 N		F	无 N	双面 Double Face	
J	有 Y	双面 Double Face		A	有 Y	无	
W	有 Y	无 N		M	有 Y	单面 Single Face	
T	有 Y	单面 Single Face		G	有 Y	双面 Double Face	
Q	有 Y	无 N		X	---	---	特殊
U	有 Y	双面 Double Face					

刀片形状代号 Insert Shape		断屑槽及夹固形式 Chip Breaker and Clamping Designation	
---------------------	--	--	--

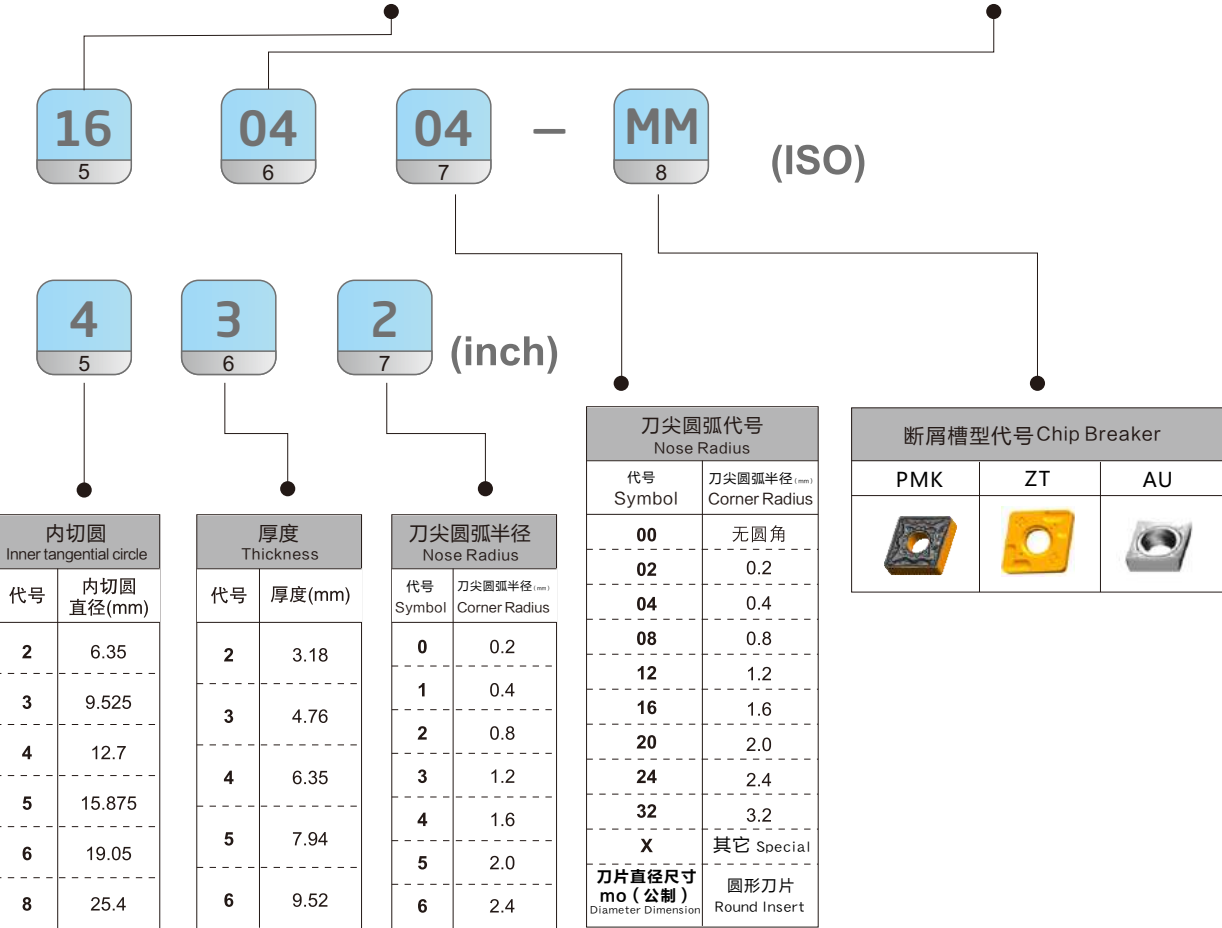


主切削刃后角 Clearance Angle			
代号 Symbol	后角 Angle	代号 Symbol	后角 Angle
A		B	
C		D	
E		F	
G		N	
P		O	其他的后角

公差 Tolerance, metric									
									
代号 Symbol	刀尖高度 m 公差 (mm) m (mm)	内接圆 Φ I.C 公差 (mm) d=I.C. (mm)	厚度 S 公差 (mm) s (mm)	(参考) M 级精度详细情况 (按形状、大小分) ● 刀尖高度公差 (mm) reference) M grade tolerance detail (according to shape, size.) Tolerance of insert nose height					
				内接圆 Inscribed Circle	正三角形 Regular Triangle	正方形 Square	80° 菱形 Rhombus	55° 菱形 Rhombus	35° 菱形 Rhombus
A	±0.005	±0.025	±0.025	6.35	±0.08	±0.08	±0.08	0.11	±0.16
F	±0.005	±0.013	±0.025	9.525	±0.08	±0.08	±0.08	0.11	±0.16
C	±0.013	±0.025	±0.025	12.7	±0.13	±0.13	±0.13	0.15	...
H	±0.013	±0.013	±0.013	15.875	±0.15	±0.15	±0.15	0.18	...
E	±0.025	±0.025	±0.025	19.05	±0.15	±0.15	±0.15	0.18	...
G	±0.025	±0.025	±0.13	25.4	...	±0.18	...	...	...
J	±0.005	±0.05~±0.13	±0.025	● 内接圆 Φ I.C 公差 (mm) ● Tolerance of Inscribed Circle					
K	±0.013	±0.05~±0.13	±0.025	内接圆 Inscribed Circle	正三角形 Regular Triangle	正方形 Square	80° 菱形 Rhombus	55° 菱形 Rhombus	35° 菱形 Rhombus
L	±0.025	±0.05~±0.13	±0.025	6.35	±0.05	±0.05	±0.05	0.05	±0.05
M	±0.08~±0.18	±0.05~±0.13	±0.13	9.525	±0.05	±0.05	±0.05	0.05	±0.05
N	±0.08~±0.18	±0.05~±0.13	±0.025	12.7	±0.08	±0.08	±0.08	0.08	...
U	±0.13~±0.38	±0.08~±0.25	±0.13	15.875	±0.1	±0.1	±0.1	±0.1	...
				19.05	±0.1	±0.1	±0.1	±0.1	±0.13
				25.4	...	±0.13	...	...	...

内切圆直径 Inscribed Circle diameter (mm)	刀片形状 Insert Shape							
	C	D	R	S	T	V	W	K
3.97					06			
5			05					
5.56					09			
6			06					
6.35	06	07			11	11		
8			08					
9.525	09	11	09	09	16	16	06	16
10			10					
12			12					
12.7	12	15	12	12	22	22	08	
15.875	16		15	15	27			
16			19	16				
19.05	19		19	19	33			
20			20					
25	25	25	25					
25.4			25	25				
31.75			31					
32			32					
切削刃长度 Cutting Edge Length								

厚度指刀片底面与切削刃最高部分之间的高度 The Height Between Insert Bottom And Nose	
代号 Symbol	刀片厚度 Thickness (mm)
00	0.79
T0	0.99
01	1.59
T1	1.98
02	2.38
T2	2.58
03	3.18
T3	3.97
04	4.76
T4	4.96
05	5.56
T5	5.95
06	6.35
T6	6.75
07	7.94
09	9.52
T9	9.72
11	11.11
12	12.7
刀片厚度 Thickness	







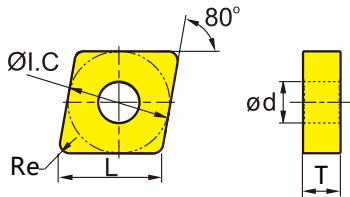
General Turning Inserts for Steel

—

钢件车削

钢件车削 General Turning Inserts for Steel

CN□□

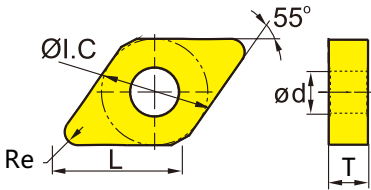


产品 Inserts Shape	型号 Type	尺寸 Dimensions ( mm )				可选牌号 Grade for Choice					
		ØI.C	厚度 T	内孔 Φd	刀尖圆角 Re	KT1100	KT1200	KT1300	KT1330	KC5280	KC5230
	CNMG090304-PMK	9.525	3.18	3.81	0.4	●	▲	▲	●	●	●
	CNMG090308-PMK	9.525	3.18	3.81	0.8	●	▲	▲	●	●	●
	CNMG120404-PMK	12.7	4.76	5.16	0.4	●	▲	▲	●	●	●
	CNMG120408-PMK	12.7	4.76	5.16	0.8	●	▲	▲	●	●	●
	CNMG120412-PMK	12.7	4.76	5.16	1.2	●	▲	▲	●	●	●
	CNMG120416-PMK	12.7	4.76	5.16	1.6	●	▲	▲	●	●	●
	CNMG160608-PMK	16.1	4.76	6.35	0.8	●	▲	▲	●	●	●
	CNMG160612-PMK	16.1	4.76	6.35	1.2	●	▲	▲	●	●	●
	CNMG160616-PMK	16.1	4.76	6.35	1.6	●	▲	▲	●	●	●
	CNMG120404L/R-X	12.7	4.76	5.16	0.4	●	▲	▲	●	●	●
	CNMG120408L/R-X	12.7	4.76	5.16	0.8	●	▲	▲	●	●	●
	CNMG120412L/R-X	12.7	4.76	5.16	1.2	●	▲	▲	●	●	●
	CNMG120404	12.7	4.76	5.16	0.4	●	▲	▲	●	●	●
	CNMG120408	12.7	4.76	5.16	0.8	●	▲	▲	●	●	●
	CNMG120412	12.7	4.76	5.16	1.2	●	▲	▲	●	●	●

▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order

钢件车削 General Turning Inserts for Steel

DN□□

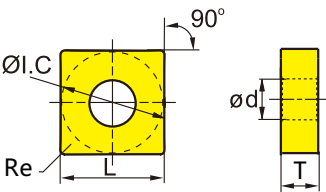


产品 Inserts Shape	型号 Type	尺寸 Dimensions ( mm )				可选牌号 Grade for Choice					
		ØI.C	厚度 T	内孔 Φd	刀尖圆角 Re	KT1100	KT1200	KT1300	KT1330	KC5280	KC5230
	DNMG110404-PMK	9.525	4.76	3.81	0.4	●	▲	▲	●	●	●
	DNMG110408-PMK	9.525	4.76	3.81	0.8	●	▲	▲	●	●	●
	DNMG150404-PMK	12.7	4.76	5.16	0.4	●	▲	▲	●	●	●
	DNMG150408-PMK	12.7	4.76	5.16	0.8	●	▲	▲	●	●	●
	DNMG150412-PMK	12.7	4.76	5.16	1.2	●	▲	▲	●	●	●
	DNMG150604-PMK	12.7	6.35	5.16	0.4	●	▲	▲	●	●	●
	DNMG150608-PMK	12.7	6.35	5.16	0.8	●	▲	▲	●	●	●
	DNMG150612-PMK	12.7	6.35	5.16	1.2	●	▲	▲	●	●	●

▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order

钢件车削 General Turning Inserts for Steel

SN□□



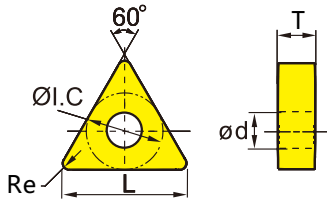
产品 Inserts Shape	型号 Type	尺寸 Dimensions ( mm )				可选牌号 Grade for Choice					
		ØI.C	厚度 T	内孔 Φd	刀尖圆角 Re	KT1100	KT1200	KT1300	KT1330	KC5280	KC5230
	SNMG090304-PMK	9.525	3.18	3.81	0.4	●	▲	▲	●	●	●
	SNMG090308-PMK	9.525	3.18	3.81	0.8	●	▲	▲	●	●	●
	SNMG120404-PMK	12.7	4.76	5.16	0.4	●	▲	▲	●	●	●
	SNMG120408-PMK	12.7	4.76	5.16	0.8	●	▲	▲	●	●	●
	SNMG120412-PMK	12.7	4.76	5.16	1.2	●	▲	▲	●	●	●
	SNMG150612-PMK	15.878	6.35	6.35	0.8	●	▲	▲	●	●	●
	SNMG190612-PMK	19.05	6.35	7.94	1.2	●	▲	▲	●	●	●
	SNMG190616-PMK	19.05	6.35	7.94	1.6	●	▲	▲	●	●	●
	SNMG120404L/R-X	12.7	4.76	5.16	0.4	●	▲	▲	●	●	●
	SNMG120408L/R-X	12.7	4.76	5.16	0.8	●	▲	▲	●	●	●
	SNMG120412L/R-X	12.7	4.76	5.16	1.2	●	▲	▲	●	●	●
	SNMG120404	12.7	4.76	5.16	0.4	●	▲	▲	●	●	●
	SNMG120408	12.7	4.76	5.16	0.8	●	▲	▲	●	●	●
	SNMG120412	12.7	4.76	5.16	1.2	●	▲	▲	●	●	●

▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order



钢件车削 General Turning Inserts for Steel

TN□□

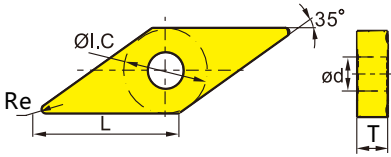


产品 Inserts Shape	型号 Type	尺寸 Dimensions ( mm )				可选牌号 Grade for Choice					
		ØI.C	厚度 T	内孔 Φd	刀尖圆角 Re	KT1100	KT1200	KT1300	KT1330	KC5280	KC5230
	TNMG160404-PMK	9.525	4.76	3.81	0.4	●	▲	▲	●	●	●
	TNMG160408-PMK	9.525	4.76	3.81	0.8	●	▲	▲	●	●	●
	TNMG160412-PMK	9.525	4.76	3.81	1.2	●	▲	▲	●	●	●
	TNMG220404-PMK	12.7	4.76	5.16	0.4	●	▲	▲	●	●	●
	TNMG220408-PMK	12.7	4.76	5.16	0.8	●	▲	▲	●	●	●
	TNMG220412-PMK	12.7	4.76	5.16	1.2	●	▲	▲	●	●	●
	TNMG160404-PR	9.525	4.76	3.81	0.4	●	▲	▲	●	●	●
	TNMG160408-PR	9.525	4.76	3.81	0.8	●	▲	▲	●	●	●
	TNMG160412-PR	9.525	4.76	3.81	1.2	●	▲	▲	●	●	●
	TNMG160404L/R-X	9.525	4.76	3.81	0.4	●	▲	▲	●	●	●
	TNMG160408L/R-X	9.525	4.76	3.81	0.8	●	▲	▲	●	●	●
	TNMG160412L/R-X	9.525	4.76	3.81	1.2	●	▲	▲	●	●	●
	TNMG160404	9.525	4.76	3.81	0.4	●	▲	▲	●	●	●
	TNMG160408	9.525	4.76	3.81	0.8	●	▲	▲	●	●	●
	TNMG160412	9.525	4.76	3.81	1.2	●	▲	▲	●	●	●

▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order

钢件车削 General Turning Inserts for Steel

VN□□

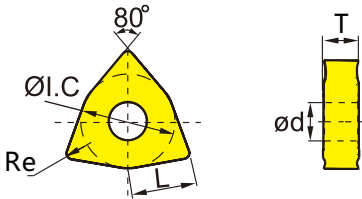


产品 Inserts Shape	型号 Type	尺寸 Dimensions ( mm )				可选牌号 Grade for Choice					
		ØI.C	厚度 T	内孔 Φd	刀尖圆角 Re	KT1100	KT1200	KT1300	KT1330	KC5280	KC5230
	VNMG160404-PMK	9.525	4.76	3.81	0.4	●	▲	▲	●	●	●
	VNMG160408-PMK	9.525	4.76	3.81	0.8	●	▲	▲	●	●	●
	VNMG160412-PMK	9.525	4.76	3.81	1.2	●	▲	▲	●	●	●
	VNMG160404	9.525	4.76	3.81	0.4	●	▲	▲	●	●	●
	VNMG160408	9.525	4.76	3.81	0.8	●	▲	▲	●	●	●
	VNMG160412	9.525	4.76	3.81	1.2	●	▲	▲	●	●	●

▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order

钢件车削 General Turning Inserts for Steel

WN□□

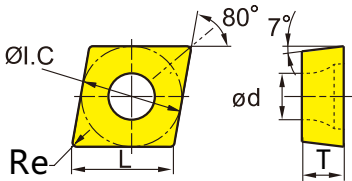


产品 Inserts Shape	型号 Type	尺寸 Dimensions ( mm )				可选牌号 Grade for Choice					
		ØI.C	厚度 T	内孔 Φd	刀尖圆角 Re	KT1100	KT1200	KT1300	KT1330	KC5280	KC5230
	WNMG060408-PMK	9.525	4.76	3.81	0.8	●	▲	▲	●	●	●
	WNMG060412-PMK	9.525	4.76	3.81	1.2	●	▲	▲	●	●	●
	WNMG080404-PMK	12.7	4.76	5.16	0.4	●	▲	▲	●	●	●
	WNMG080408-PMK	12.7	4.76	5.16	0.8	●	▲	▲	●	●	●
	WNMG080412-PMK	12.7	4.76	5.16	1.2	●	▲	▲	●	●	●
	WNMG080404-PR	12.7	4.76	5.16	0.4	●	▲	▲	●	●	●
	WNMG080408-PR	12.7	4.76	5.16	0.8	●	▲	▲	●	●	●
	WNMG080412-PR	12.7	4.76	5.16	1.2	●	▲	▲	●	●	●
	WNMG080404L/R-X	12.7	4.76	5.16	0.4	●	▲	▲	●	●	●
	WNMG080408L/R-X	12.7	4.76	5.16	0.8	●	▲	▲	●	●	●
	WNMG080412L/R-X	12.7	4.76	5.16	1.2	●	▲	▲	●	●	●
	WNMG080404	12.7	4.76	5.16	0.4	●	▲	▲	●	●	●
	WNMG080408	12.7	4.76	5.16	0.8	●	▲	▲	●	●	●
	WNMG080412	12.7	4.76	5.16	1.2	●	▲	▲	●	●	●

▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order

钢件车削 General Turning Inserts for Steel

CC□□



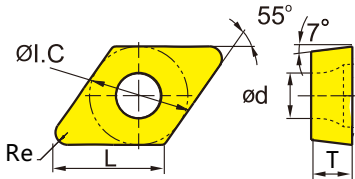
产品 Inserts Shape	型号 Type	尺寸 Dimensions ( mm )				可选牌号 Grade for Choice					
		ØI.C	厚度 T	内孔 Φd	刀尖圆角 Re	KT1100	KT1200	KT1300	KT1330	KC5280	KC5230
	CCMT060204-PMK	6.35	2.38	2.8	0.4	●	▲	▲	●	●	●
	CCMT060208-PMK	6.35	2.38	2.8	0.8	●	▲	▲	●	●	●
	CCMT09T304-PMK	9.525	3.97	4.4	0.4	●	▲	▲	●	●	●
	CCMT09T308-PMK	9.525	3.97	4.4	0.8	●	▲	▲	●	●	●
	CCMT120404-PMK	12.7	4.76	5.56	0.4	●	▲	▲	●	●	●
	CCMT120408-PMK	12.7	4.76	5.56	0.8	●	▲	▲	●	●	●

▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order



钢件车削 General Turning Inserts for Steel

DC□□

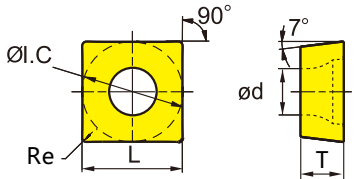


产品 Inserts Shape	型号 Type	尺寸 Dimensions ( mm )				可选牌号 Grade for Choice					
		ØI.C	厚度 T	内孔 Φd	刀尖圆角 Re	KT1100	KT1200	KT1300	KT1330	KC5280	KC5230
	DCMT070204-PMK	6.35	2.38	2.8	0.4	●	▲	▲	●	●	●
	DCMT070208-PMK	6.35	2.38	2.8	0.8	●	▲	▲	●	●	●
	DCMT11T304-PMK	9.525	3.97	4.4	0.4	●	▲	▲	●	●	●
	DCMT11T308-PMK	9.525	3.97	4.4	0.8	●	▲	▲	●	●	●
	DCMT11T312-PMK	9.525	3.97	4.4	1.2	●	▲	▲	●	●	●

▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order

钢件车削 General Turning Inserts for Steel

SC□□

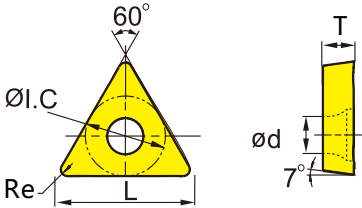


产品 Inserts Shape	型号 Type	尺寸 Dimensions ( mm )				可选牌号 Grade for Choice					
		ØI.C	厚度 T	内孔 Φd	刀尖圆角 Re	KT1100	KT1200	KT1300	KT1330	KC5280	KC5230
	SCMT09T304-PMK	9.525	3.97	4.4	0.4	●	▲	▲	●	●	●
	SCMT09T308-PMK	9.525	3.97	4.4	0.8	●	▲	▲	●	●	●
	SCMT120404-PMK	12.7	4.76	5.56	0.4	●	▲	▲	●	●	●
	SCMT120408-PMK	12.7	4.76	5.56	0.8	●	▲	▲	●	●	●
	SCMT120412-PMK	12.7	4.76	5.56	1.2	●	▲	▲	●	●	●

▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order

钢件车削 General Turning Inserts for Steel

TC□□

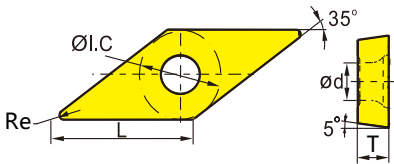


产品 Inserts Shape	型号 Type	尺寸 Dimensions ( mm )				可选牌号 Grade for Choice					
		ØI.C	厚度 T	内孔 Φd	刀尖圆角 Re	KT1100	KT1200	KT1300	KT1330	KC5280	KC5230
	TCMT090204-PMK	5.56	2.38	2.5	0.4	●	▲	▲	●	●	●
	TCMT090208-PMK	5.56	2.38	2.5	0.8	●	▲	▲	●	●	●
	TCMT110204-PMK	6.35	2.38	2.8	0.4	●	▲	▲	●	●	●
	TCMT110208-PMK	6.35	2.38	2.8	0.4	●	▲	▲	●	●	●
	TCMT16T304-PMK	9.525	3.97	4.4	0.4	●	▲	▲	●	●	●
	TCMT16T308-PMK	9.525	3.97	4.4	0.8	●	▲	▲	●	●	●

▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order

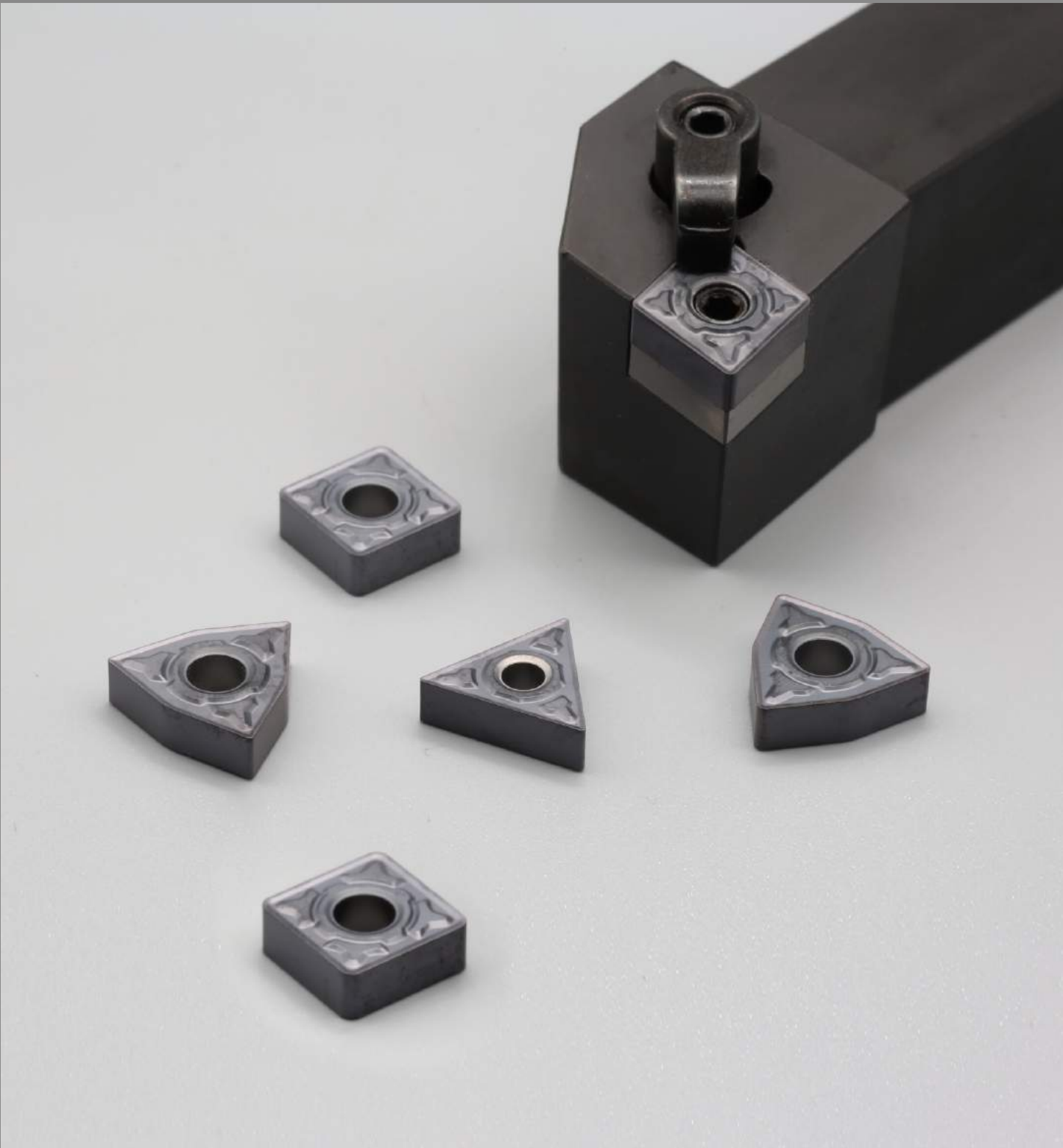
钢件车削 General Turning Inserts for Steel

VB□□



产品 Inserts Shape	型号 Type	尺寸 Dimensions ( mm )				可选牌号 Grade for Choice					
		ØI.C	厚度 T	内孔 Φd	刀尖圆角 Re	KT1100	KT1200	KT1300	KT1330	KC5280	KC5230
	VBMT160404-PMK	9.525	4.76	4.4	0.4	●	▲	▲	●	●	●
	VBMT160408-PMK	9.525	4.76	4.4	0.8	●	▲	▲	●	●	●
	VBMT160412-PMK	9.525	4.76	4.4	1.2	●	▲	▲	●	●	●

▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order



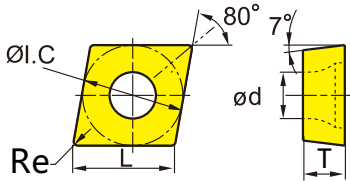
General Turning Inserts for Stainless Steel

—

不锈钢车削

不锈钢车削 General Turning Inserts for Stainless Steel

CN□□



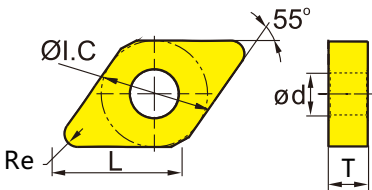
产品 Inserts Shape	型号 Type	尺寸 Dimensions ( mm )				可选牌号 Grade for Choice							
		ØI.C	厚度 T	内孔 Φd	刀尖圆角 Re	KT8280	KT8200	KT8100	KT8300	KT8290	KT8450	KC5280	KC5230
	CNMG090304-MM	9.535	3.18	3.81	0.4	▲	▲	●	●	●	●	●	●
	CNMG090308-MM	9.535	3.18	3.81	0.8	▲	▲	●	●	●	●	●	●
	CNMG120404-MM	12.7	4.76	5.16	0.4	▲	▲	●	●	●	●	●	●
	CNMG120408-MM	12.7	4.76	5.16	0.8	▲	▲	●	●	●	●	●	●
	CNMG120412-MM	12.7	4.76	5.16	1.2	▲	▲	●	●	●	●	●	●

▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order



不锈钢车削 General Turning Inserts for Stainless Steel

DN□□

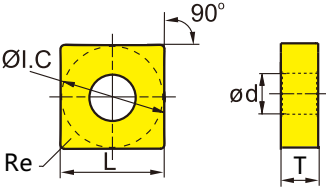


产品 Inserts Shape	型号 Type	尺寸 Dimensions ( mm )				可选牌号 Grade for Choice							
		ØI.C	厚度 T	内孔 Φd	刀尖圆角 Re	KT8280	KT8200	KT8100	KT8300	KT8290	KT8450	KC5280	KC5230
	DNMG110404-MM	9.525	4.76	3.81	0.4	▲	▲	●	●	●	●	●	●
	DNMG110408-MM	9.525	4.76	3.81	0.8	▲	▲	●	●	●	●	●	●
	DNMG150404-MM	12.7	4.76	5.16	0.4	▲	▲	●	●	●	●	●	●
	DNMG150408-MM	12.7	4.76	5.16	0.8	▲	▲	●	●	●	●	●	●
	DNMG150412-MM	12.7	4.76	5.16	1.2	▲	▲	●	●	●	●	●	●
	DNMG150604-MM	12.7	6.35	5.16	0.4	▲	▲	●	●	●	●	●	●
	DNMG150608-MM	12.7	6.35	5.16	0.8	▲	▲	●	●	●	●	●	●
	DNMG150612-MM	12.7	6.35	5.16	1.2	▲	▲	●	●	●	●	●	●

▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order

不锈钢车削 General Turning Inserts for Stainless Steel

SN□□

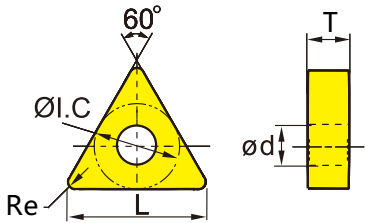


产品 Inserts Shape	型号 Type	尺寸 Dimensions ( mm )				可选牌号 Grade for Choice							
		ØI.C	厚度 T	内孔 Φd	刀尖圆角 Re	KT8280	KT8200	KT8100	KT8300	KT8290	KT8450	KC5280	KC5230
	SNMG090304-MM	9.525	3.18	3.81	0.4	▲	▲	●	●	●	●	●	●
	SNMG090308-MM	9.525	3.18	3.81	0.8	▲	▲	●	●	●	●	●	●
	SNMG120404-MM	12.7	4.76	5.16	0.4	▲	▲	●	●	●	●	●	●
	SNMG120408-MM	12.7	4.76	5.16	0.8	▲	▲	●	●	●	●	●	●
	SNMG120412-MM	12.7	4.76	5.16	1.2	▲	▲	●	●	●	●	●	●

▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order

不锈钢车削 General Turning Inserts for Stainless Steel

TN□□

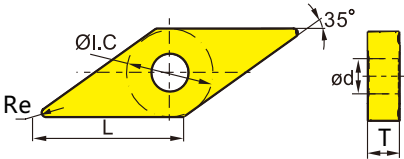


产品 Inserts Shape	型号 Type	尺寸 Dimensions ( mm )				可选牌号 Grade for Choice							
		ØI.C	厚度 T	内孔 Φd	刀尖圆角 Re	KT8280	KT8200	KT8100	KT8300	KT8290	KT8450	KC5280	KC5230
	TNMG160404-MM	9.525	4.76	3.81	0.4	▲	▲	●	●	●	●	●	●
	TNMG160408-MM	9.525	4.76	3.81	0.8	▲	▲	●	●	●	●	●	●
	TNMG160412-MM	9.525	4.76	3.81	1.2	▲	▲	●	●	●	●	●	●
	TNMG220404-MM	12.7	4.76	5.16	0.4	▲	▲	●	●	●	●	●	●
	TNMG220408-MM	12.7	4.76	5.16	0.8	▲	▲	●	●	●	●	●	●
	TNMG220412-MM	12.7	4.76	5.16	1.2	▲	▲	●	●	●	●	●	●

▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order

不锈钢车削 General Turning Inserts for Stainless Steel

VN□□

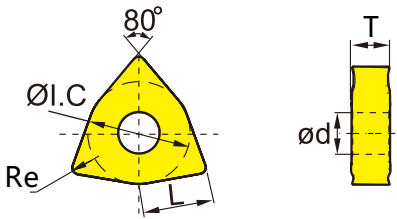


产品 Inserts Shape	型号 Type	尺寸 Dimensions ( mm )				可选牌号 Grade for Choice							
		ØI.C	厚度 T	内孔 Φd	刀尖圆角 Re	KT8280	KT8200	KT8100	KT8300	KT8290	KT8450	KC5280	KC5230
	VNMG160404-MM	9.525	4.76	3.81	0.4	▲	▲	●	●	●	●	●	●
	VNMG160408-MM	9.525	4.76	3.81	0.8	▲	▲	●	●	●	●	●	●
	VNMG160412-MM	9.525	4.76	3.81	1.2	▲	▲	●	●	●	●	●	●

▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order

不锈钢车削 General Turning Inserts for Stainless Steel

WN□□

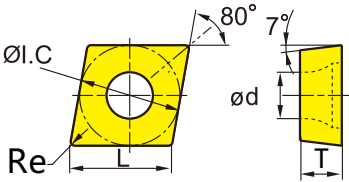


产品 Inserts Shape	型号 Type	尺寸 Dimensions ( mm )				可选牌号 Grade for Choice							
		ØI.C	厚度 T	内孔 Φd	刀尖圆角 Re	KT8280	KT8200	KT8100	KT8300	KT8290	KT8450	KC5280	KC5230
	WNMG060404-MM	9.525	4.76	3.81	0.4	▲	▲	●	●	●	●	●	●
	WNMG060408-MM	9.525	4.76	3.81	0.8	▲	▲	●	●	●	●	●	●
	WNMG080404-MM	12.7	4.76	5.16	0.4	▲	▲	●	●	●	●	●	●
	WNMG080408-MM	12.7	4.76	5.16	0.8	▲	▲	●	●	●	●	●	●
	WNMG080412-MM	12.7	4.76	5.16	1.2	▲	▲	●	●	●	●	●	●

▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order

不锈钢车削 General Turning Inserts for Stainless Steel

CC□□



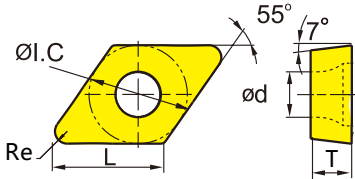
产品 Inserts Shape	型号 Type	尺寸 Dimensions ( mm )				可选牌号 Grade for Choice							
		ØI.C	厚度 T	内孔 Φd	刀尖圆角 Re	KT8280	KT8200	KT8100	KT8300	KT8290	KT8450	KC5280	KC5230
	CCMT060202-MM	6.35	2.38	2.8	0.2	▲	▲	●	●	●	●	●	●
	CCMT060204-MM	6.35	2.38	2.8	0.4	▲	▲	●	●	●	●	●	●
	CCMT09T302-MM	9.525	3.97	4.4	0.2	▲	▲	●	●	●	●	●	●
	CCMT09T304-MM	9.525	3.97	4.4	0.4	▲	▲	●	●	●	●	●	●
	CCMT09T308-MM	9.525	3.97	4.4	0.8	▲	▲	●	●	●	●	●	●
	CCMT120404-MM	12.7	4.76	5.56	0.4	▲	▲	●	●	●	●	●	●
	CCMT120408-MM	12.7	4.76	5.56	0.8	▲	▲	●	●	●	●	●	●

▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order



不锈钢车削 General Turning Inserts for Stainless Steel

DC□□

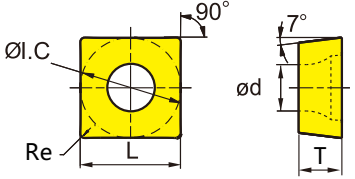


产品 Inserts Shape	型号 Type	尺寸 Dimensions ( mm )				可选牌号 Grade for Choice							
		ØI.C	厚度 T	内孔 Φd	刀尖圆角 Re	KT8280	KT8200	KT8100	KT8300	KT8290	KT8450	KC5280	KC5230
	DCMT070202-MM	6.35	2.38	2.8	0.2	▲	▲	●	●	●	●	●	●
	DCMT070204-MM	6.35	2.38	2.8	0.4	▲	▲	●	●	●	●	●	●
	DCMT070208-MM	6.35	2.38	2.8	0.8	▲	▲	●	●	●	●	●	●
	DCMT11T302-MM	9.525	3.97	4.4	0.2	▲	▲	●	●	●	●	●	●
	DCMT11T304-MM	9.525	3.97	4.4	0.4	▲	▲	●	●	●	●	●	●
	DCMT11T308-MM	9.525	3.97	4.4	0.8	▲	▲	●	●	●	●	●	●

▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order

不锈钢车削 General Turning Inserts for Stainless Steel

SC□□

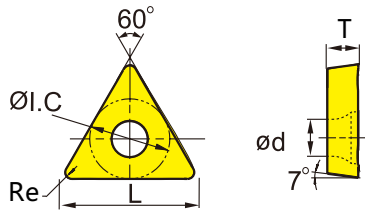


产品 Inserts Shape	型号 Type	尺寸 Dimensions ( mm )				可选牌号 Grade for Choice							
		ØI.C	厚度 T	内孔 Φd	刀尖圆角 Re	KT8280	KT8200	KT8100	KT8300	KT8290	KT8450	KC5280	KC5230
	SCMT09T302-MM	9.525	3.97	4.4	0.2	▲	▲	●	●	●	●	●	●
	SCMT09T304-MM	9.525	3.97	4.4	0.4	▲	▲	●	●	●	●	●	●
	SCMT09T308-MM	9.525	3.97	4.4	0.8	▲	▲	●	●	●	●	●	●
	SCMT120404-MM	12.7	4.76	5.56	0.4	▲	▲	●	●	●	●	●	●
	SCMT120408-MM	12.7	4.76	5.56	0.8	▲	▲	●	●	●	●	●	●
	SCMT120412-MM	12.7	4.76	5.56	1.2	▲	▲	●	●	●	●	●	●

▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order

不锈钢车削 General Turning Inserts for Stainless Steel

TC□□

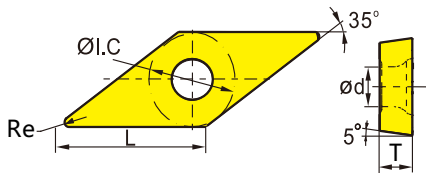


产品 Inserts Shape	型号 Type	尺寸 Dimensions ( mm )				可选牌号 Grade for Choice							
		ØI.C	厚度 T	内孔 Φd	刀尖圆角 Re	KT8280	KT8200	KT8100	KT8300	KT8290	KT8450	KC5280	KC5230
	TCMT090202-MM	5.56	2.38	2.5	0.2	▲	▲	●	●	●	●	●	●
	TCMT090204-MM	5.56	2.38	2.5	0.4	▲	▲	●	●	●	●	●	●
	TCMT110202-MM	6.35	2.38	2.8	0.2	▲	▲	●	●	●	●	●	●
	TCMT110204-MM	6.35	2.38	2.8	0.4	▲	▲	●	●	●	●	●	●
	TCMT110208-MM	6.35	2.38	2.8	0.8	▲	▲	●	●	●	●	●	●
	TCMT16T304-MM	9.525	3.97	4.4	0.4	▲	▲	●	●	●	●	●	●
	TCMT16T308-MM	9.525	3.97	4.4	0.8	▲	▲	●	●	●	●	●	●

▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order

不锈钢车削 General Turning Inserts for Stainless Steel

VB□□



产品 Inserts Shape	型号 Type	尺寸 Dimensions ( mm )				可选牌号 Grade for Choice							
		ØI.C	厚度 T	内孔 Φd	刀尖圆角 Re	KT8280	KT8200	KT8100	KT8300	KT8290	KT8450	KC5280	KC5230
	VBMT160404-MM	9.525	4.76	4.4	0.4	▲	▲	●	●	●	●	●	●
	VBMT160408-MM	9.525	4.76	4.4	0.8	▲	▲	●	●	●	●	●	●
	VBMT160412-MM	9.525	4.76	4.4	1.2	▲	▲	●	●	●	●	●	●

▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order



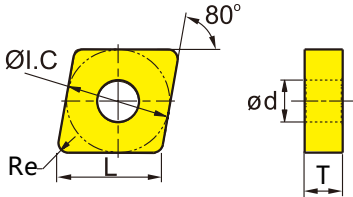
General Turning Inserts for Cast Iron

—

铸铁车削

铸铁车削 General Turning Inserts for Cast Iron

CN□□



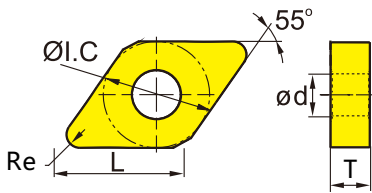
产品 Inserts Shape	型号 Type	尺寸 Dimensions ( mm )				可选牌号 Grade for Choice				
		ØI.C	厚度 T	内孔 Φd	刀尖圆角 Re	KT3150	KT3260	KT3220	KC5280	KC5230
	CNMG120404	12.7	4.76	5.16	0.4		•	•	▲	•
	CNMG120408	12.7	4.76	5.16	0.8	•	•	•	▲	▲
	CNMG120412	12.7	4.76	5.16	1.2	•	•	•	▲	▲
	CNMG120404-ZT	12.7	4.76	5.16	0.4	•	•	•	▲	
	CNMG120408-ZT	12.7	4.76	5.16	0.8	•	•	•	▲	
	CNMG120412-ZT	12.7	4.76	5.16	1.2	•	•	•	▲	
	CNMA120404	12.7	4.76	5.16	0.4		•	•	▲	•
	CNMA120408	12.7	4.76	5.16	0.8	•	•	•	▲	▲
	CNMA120412	12.7	4.76	5.16	1.2	•	•	•	▲	▲

▲为主推荐牌号Recommended grade(Always stock available)   ●按订单生产可选牌号Maker-to-order



铸铁车削 General Turning Inserts for Cast Iron

DN□□

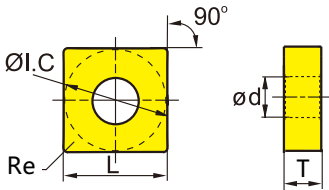


产品 Inserts Shape	型号 Type	尺寸 Dimensions ( mm )				可选牌号 Grade for Choice				
		ØI.C	厚度 T	内孔 Φd	刀尖圆角 Re	KT3150	KT3260	KT3220	KC5280	KC5230
	DNMG150404	12.7	4.76	5.16	0.4		●	●	▲	●
	DNMG150408	12.7	4.76	5.16	0.8	●	●	●	▲	▲
	DNMG150412	12.7	4.76	5.16	1.2	●	●	●	▲	▲
	DNMG150404-ZT	12.7	4.76	5.16	0.4	●	●	●	▲	
	DNMG150408-ZT	12.7	4.76	5.16	0.8	●	●	●	▲	
	DNMG150412-ZT	12.7	4.76	5.16	1.2	●	●	●	▲	
	DNMA150404	12.7	4.76	5.16	0.4		●	●	▲	●
	DNMA150408	12.7	4.76	5.16	0.8	●	●	●	▲	▲
	DNMA150412	12.7	4.76	5.16	1.2	●	●	●	▲	▲

▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order

铸铁车削 General Turning Inserts for Cast Iron

SN□□

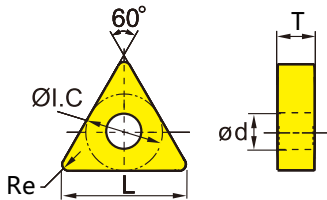


产品 Inserts Shape	型号 Type	尺寸 Dimensions ( mm )				可选牌号 Grade for Choice				
		ØI.C	厚度 T	内孔 Φd	刀尖圆角 Re	KT3150	KT3260	KT3220	KC5280	KC5230
	SNMG120404	12.7	4.76	5.16	0.4		●	●	▲	●
	SNMG120408	12.7	4.76	5.16	0.8	●	●	●	▲	▲
	SNMG120412	12.7	4.76	5.16	1.2	●	●	●	▲	▲
	SNMG120404-ZT	12.7	4.76	5.16	0.4	●	●	●	▲	
	SNMG120408-ZT	12.7	4.76	5.16	0.8	●	●	●	▲	
	SNMG120412-ZT	12.7	4.76	5.16	1.2	●	●	●	▲	
	SNMA120404	12.7	4.76	5.16	0.4		●	●	▲	●
	SNMA120408	12.7	4.76	5.16	0.8	●	●	●	▲	▲
	SNMA120412	12.7	4.76	5.16	1.2	●	●	●	▲	▲

▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order

铸铁车削 General Turning Inserts for Cast Iron

TN□□

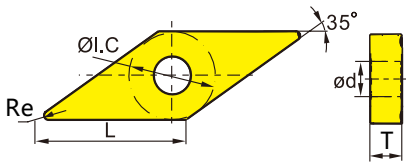


产品 Inserts Shape	型号 Type	尺寸 Dimensions ( mm )				可选牌号 Grade for Choice				
		ØI.C	厚度 T	内孔 Φd	刀尖圆角 Re	KT3150	KT3260	KT3220	KC5280	KC5230
	TNMG160404	9.525	4.76	3.81	0.4	●		●	▲	▲
	TNMG160408	9.525	4.76	3.81	0.8	●		●	▲	▲
	TNMG160412	9.525	4.76	3.81	1.2	●		●	▲	▲
	TNMG160404-ZT	9.525	4.76	3.81	0.4		●	●	▲	▲
	TNMG160408-ZT	9.525	4.76	3.81	0.8		●	●	▲	▲
	TNMG160412-ZT	9.525	4.76	3.81	1.2		●	●	▲	▲
	TNMA160404	9.525	4.76	3.81	0.4			●	▲	▲
	TNMA160408	9.525	4.76	3.81	0.8			●	▲	▲
	TNMA160412	9.525	4.76	3.81	1.2			●	▲	▲

▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order

铸铁车削 General Turning Inserts for Cast Iron

VN□□

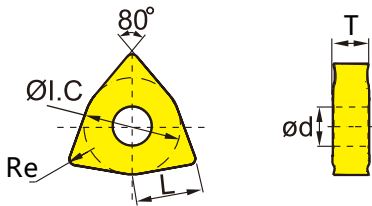


产品 Inserts Shape	型号 Type	尺寸 Dimensions ( mm )				可选牌号 Grade for Choice				
		ØI.C	厚度 T	内孔 Φd	刀尖圆角 Re	KT3150	KT3260	KT3220	KC5280	KC5230
	VNMG160404	9.525	4.76	3.81	0.4	●		●	▲	▲
	VNMG160408	9.525	4.76	3.81	0.8	●		●	▲	▲
	VNMG160412	9.525	4.76	3.81	1.2			●	▲	▲
	VNMG160404-ZT	9.525	4.76	3.81	0.4	●	●	●	▲	▲
	VNMG160408-ZT	9.525	4.76	3.81	0.8	●	●	●	▲	▲
	VNMG160412-ZT	9.525	4.76	3.81	1.2	●	●	●	▲	▲
	VNMA160404	9.525	4.76	3.81	0.4	●	●	●	▲	▲
	VNMA160408	9.525	4.76	3.81	0.8	●	●	●	▲	▲
	VNMA160412	9.525	4.76	3.81	1.2		●	●	▲	▲

▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order

铸铁车削 General Turning Inserts for Cast Iron

WN□□

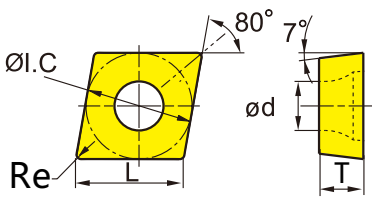


产品 Inserts Shape	型号 Type	尺寸 Dimensions ( mm )				可选牌号 Grade for Choice				
		ØI.C	厚度 T	内孔 Φd	刀尖圆角 Re	KT3150	KT3260	KT3220	KC5280	KC5230
	WNMG080404	12.7	4.76	5.16	0.4		●	●	▲	▲
	WNMG080408	12.7	4.76	5.16	0.8		●	●	▲	▲
	WNMG080412	12.7	4.76	5.16	1.2		●	●	▲	▲
	WNMG080404-ZT	12.7	4.76	5.16	0.4	●	●	●	▲	▲
	WNMG080408-ZT	12.7	4.76	5.16	0.8	●	●	●	▲	▲
	WNMG080412-ZT	12.7	4.76	5.16	1.2	●	●	●	▲	▲
	WNMA080404	12.7	4.76	5.16	0.4		●	●	▲	
	WNMA080408	12.7	4.76	5.16	0.8		●	●	▲	▲
	WNMA080412	12.7	4.76	5.16	1.2			●	▲	●

▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order

铝合金车削 General Turning Inserts for Aluminum

CC□□



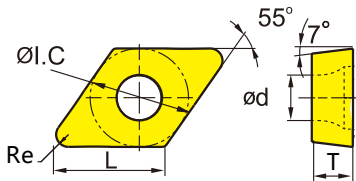
产品 Inserts Shape	型号 Type	尺寸 Dimensions ( mm )				可选牌号 Grade for Choice		
		ØI.C	厚度 T	内孔 Φd	刀尖圆角 Re	KT2100	KT2200	KC5280
	CCMT060202K-AU	6.35	2.38	2.8	0.2	▲		
	CCMT060204K-AU	6.35	2.38	2.8	0.4	▲	●	
	CCMT09T302K-AU	9.525	3.97	4.4	0.2	▲		
	CCMT09T304K-AU	9.525	3.97	4.4	0.4	▲	●	
	CCMT09T308K-AU	9.525	3.97	4.4	0.8	▲	●	
	CCMT120404K-AU	12.7	4.76	5.56	0.4	▲	●	●
	CCMT120408K-AU	12.7	4.76	5.56	0.8	▲	●	●

▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order



铝合金车削 General Turning Inserts for Aluminum

DC□□

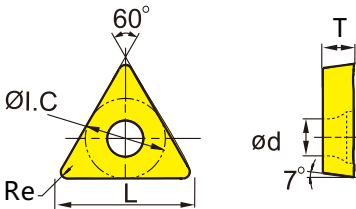


产品 Inserts Shape	型号 Type	尺寸 Dimensions ( mm )				可选牌号 Grade for Choice		
		ØI.C	厚度 T	内孔 Φd	刀尖圆角 Re	KT2100	KT2200	KC5280
	DCGX070202K-AU	6.35	2.38	2.8	0.2	▲		
	DCGX070204K-AU	6.35	2.38	2.8	0.4	▲	●	
	DCGX11T302K-AU	9.525	3.97	4.4	0.2	▲		
	DCGX11T304K-AU	9.525	3.97	4.4	0.4	▲	●	●
	DCGX11T308K-AU	9.525	3.97	4.4	0.8	▲	●	

▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order

铝合金车削 General Turning Inserts for Aluminum

TC□□

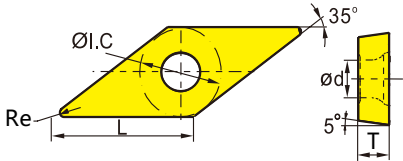


产品 Inserts Shape	型号 Type	尺寸 Dimensions ( mm )				可选牌号 Grade for Choice		
		ØI.C	厚度 T	内孔 Φd	刀尖圆角 Re	KT2100	KT2200	KC5280
	TCGX090202K-AU	5.56	2.38	2.5	0.2	▲	●	
	TCGX090204K-AU	5.56	2.38	2.5	0.4	▲	●	
	TCGX110202K-AU	6.35	2.38	2.8	0.2	▲	●	
	TCGX110204K-AU	6.35	2.38	2.8	0.4	▲	●	
	TCGX110208K-AU	6.35	2.38	2.8	0.8	▲	●	
	TCGX16T304K-AU	9.525	3.97	4.4	0.4	▲	●	●
	TCGX16T308K-AU	9.525	3.97	4.4	0.8	▲	●	●

▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order

铝合金车削 General Turning Inserts for Aluminum

VC□□

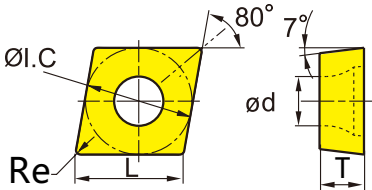


产品 Inserts Shape	型号 Type	尺寸 Dimensions ( mm )				可选牌号 Grade for Choice		
		ØI.C	厚度 T	内孔 Φd	刀尖圆角 Re	KT2100	KT2200	KC5280
	VCGX110302K-AU	6.35	3.18	2.8	0.2	▲		
	VCGX110304K-AU	6.35	3.18	2.8	0.4	▲		
	VCGX110308K-AU	6.35	3.18	2.8	0.8	▲	●	
	VCGX160404K-AU	9.525	4.76	4.4	0.4	▲		●
	VCGX160408K-AU	9.525	4.76	4.4	0.8	▲	●	●

▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order

镗孔精车刀片 Boring Tools

CC□□

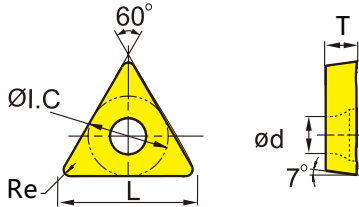


产品 Inserts Shape	型号 Type	尺寸 Dimensions ( mm )					可选牌号 Grade for Choice			
		ØI.C	厚度 T	内孔 Φd	后角 S	刀尖圆角 Re	KC5280	KC5230	KT8100	KT8200
	CCGT030102L/R	3.5	1.4	1.9	7	0.2	▲	●	▲	●
	CCGT030104L/R	3.5	1.4	1.9	7	0.4	▲	●	▲	●
	CCGT040102L/R	4.3	1.8	2.3	7	0.2	▲	●	▲	●
	CCGT040104L/R	4.3	1.8	2.3	7	0.4	▲	●	▲	●
	CCGT060202L/R	6.35	2.38	2.8	7	0.2	▲	●	▲	●
	CCGT060204L/R	6.35	2.38	2.8	7	0.4	▲	●	▲	●
	CCGT09T301L/R	9.525	3.97	4.4	7	0.1	▲	●	▲	●
	CCGT09T302L/R	9.525	3.97	4.4	7	0.2	▲	●	▲	●
	CCGT09T304L/R	9.525	3.97	4.4	7	0.4	▲	●	▲	●
	CCGT09T308L/R	9.525	3.97	4.4	7	0.8	▲	●	▲	●
	CCGT09T302L-B	9.525	3.97	4.4	7	0.2	▲	●	▲	●
	CCGT09T304L-B	9.525	3.97	4.4	7	0.4	▲	●	▲	●

▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order

镗孔精车刀片 Boring Tools

TB□□/TP□□

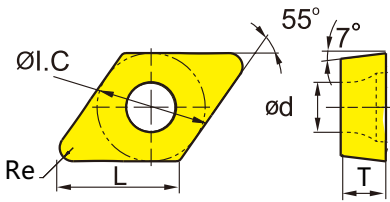


产品 Inserts Shape	型号 Type	尺寸 Dimensions ( mm )					可选牌号 Grade for Choice			
		ØI.C	厚度 T	内孔 Φd	后角 S	刀尖圆角 Re	KC5280	KC5230	KT8100	KT8200
	TBGT060101L/R	3.97	1.59	2.3	5	0.1	▲	●	▲	●
	TBGT060102L/R	3.97	1.59	2.3	5	0.2	▲	●	▲	●
	TBGT060104L/R	3.97	1.59	2.3	5	0.4	▲	●	▲	●
	TPGH080201L/R	4.76	2.38	2.3	11	0.1	▲	●	▲	●
	TPGH080202L/R	4.76	2.38	2.3	11	0.2	▲	●	▲	●
	TPGH080204L/R	4.76	2.38	2.3	11	0.4	▲	●	▲	●
	TPGH090201L/R	5.56	2.38	3	11	0.1	▲	●	▲	●
	TPGH090202L/R	5.56	2.38	3	11	0.2	▲	●	▲	●
	TPGH090204L/R	5.56	2.38	3	11	0.4	▲	●	▲	●
	TPGH110202L/R	6.35	2.38	3.5	11	0.2	▲	●	▲	●
	TPGH110204L/R	6.35	2.38	3.5	11	0.4	▲	●	▲	●
	TPGH110302L/R	6.35	3.18	3.3	11	0.2	▲	●	▲	●
	TPGH110304L/R	6.35	3.18	3.3	11	0.4	▲	●	▲	●
	TPGH110308L/R	6.35	3.18	3.3	11	0.8	▲	●	▲	●
	TPGH160302L/R	9.525	3.18	4.5	11	0.2	▲	●	▲	●
	TPGH160304L/R	9.525	3.18	4.5	11	0.4	▲	●	▲	●
	TPGH160308L/R	9.525	3.18	4.5	11	0.8	▲	●	▲	●

▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order

镗孔精车刀片 Boring Tools

DC□□

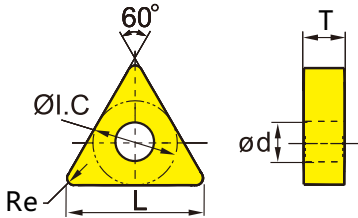


产品 Inserts Shape	型号 Type	尺寸 Dimensions ( mm )					可选牌号 Grade for Choice			
		ØI.C	厚度 T	内孔 Φd	后角 S	刀尖圆角 Re	KC5280	KC5230	KT8100	KT8200
	DCGT070202L/R	6.35	2.38	2.8	7	0.2	▲	●	▲	●
	DCGT070204L/R	6.35	2.38	2.8	7	0.4	▲	●	▲	●
	DCGT11T302L/R	9.525	3.97	4.4	7	0.2	▲	●	▲	●
	DCGT11T304L/R	9.525	3.97	4.4	7	0.4	▲	●	▲	●
	DCGT11T308L/R	9.525	3.97	4.4	7	0.8	▲	●	▲	●
	DCGT11T302R-B	9.525	3.97	4.4	7	0.2	▲	●	▲	●
	DCGT11T304R-B	9.525	3.97	4.4	7	0.4	▲	●	▲	●

▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order

镗孔精车刀片 Boring Tools

TN□□

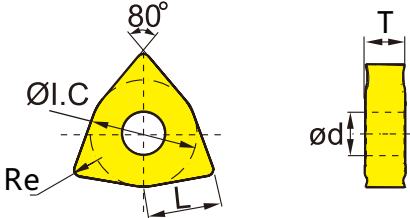


产品 Inserts Shape	型号 Type	尺寸 Dimensions ( mm )					可选牌号 Grade for Choice			
		ØI.C	厚度 T	内孔 Φd	后角 S	刀尖圆角 Re	KC5280	KC5230	KT8100	KT8200
	TNGG160402L-B	9.525	4.76	3.81	0	0.2	▲	●	▲	●
	TNGG160402R-B	9.525	4.76	3.81	0	0.2	▲	●	▲	●
	TNGG160404L-B	9.525	4.76	3.81	0	0.4	▲	●	▲	●
	TNGG160404R-B	9.525	4.76	3.81	0	0.4	▲	●	▲	●
	TNGG160402L-S	9.525	4.76	3.81	0	0.2	▲	●	▲	●
	TNGG160402R-S	9.525	4.76	3.81	0	0.2	▲	●	▲	●
	TNGG160404L-S	9.525	4.76	3.81	0	0.4	▲	●	▲	●
	TNGG160404R-S	9.525	4.76	3.81	0	0.4	▲	●	▲	●

▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order

镗孔精车刀片 Boring Tools

WN□□



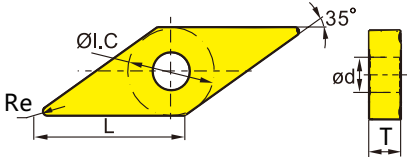
产品 Inserts Shape	型号 Type	尺寸 Dimensions ( mm )					可选牌号 Grade for Choice			
		ØI.C	厚度 T	内孔 Φd	后角 S	刀尖圆角 Re	KC5280	KC5230	KT8100	KT8200
	WNGG060402R-S	9.525	4.76	3.9	0	0.2	▲	●	▲	●
	WNGG080402R-S	12.7	4.76	3.9	0	0.2	▲	●	▲	●

▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order



镗孔精车刀片 Boring Tools

VN□□

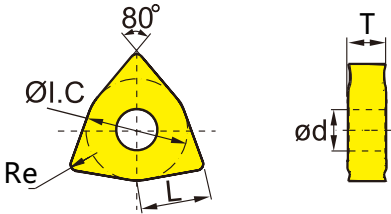


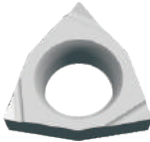
产品 Inserts Shape	型号 Type	尺寸 Dimensions ( mm )					可选牌号 Grade for Choice			
		ØI.C	厚度 T	内孔 Φd	后角 S	刀尖圆角 Re	KC5280	KC5230	KT8100	KT8200
	VNGG160402R-H	9.525	4.76	3.9	0	0.2	▲	●	▲	●

▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order

镗孔精车刀片 Boring Tools

WB□□



产品 Inserts Shape	型号 Type	尺寸 Dimensions ( mm )					可选牌号 Grade for Choice			
		ØI.C	厚度 T	内孔 Φd	后角 S	刀尖圆角 Re	KC5280	KC5230	KT8100	KT8200
	WBGTO60102L-2R	3.97	1.6	2.4	5	0.2	▲	●	▲	●
	WBGTO60104L-2R	3.97	1.6	2.4	5	0.4	▲	●	▲	●

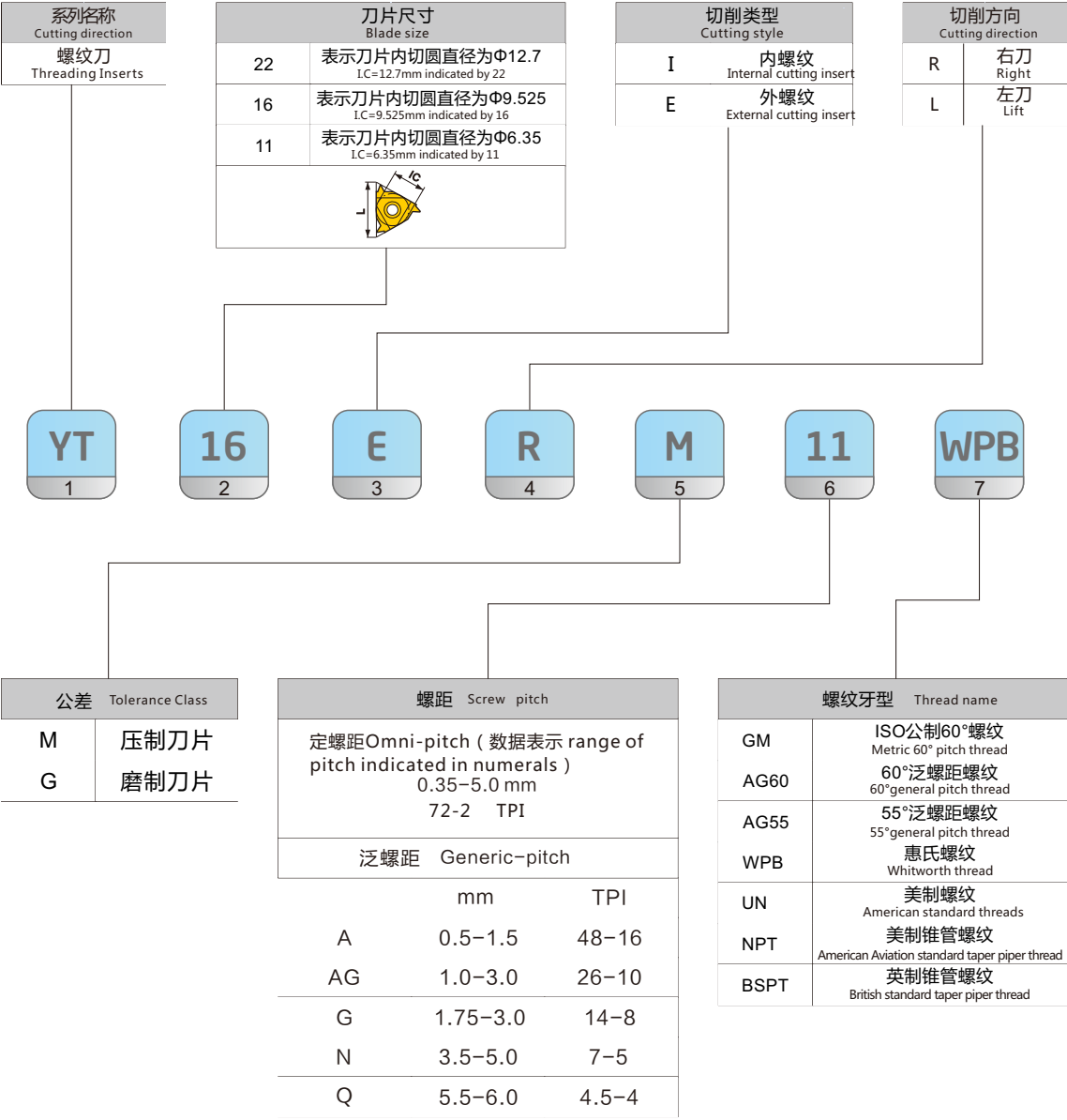
▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order



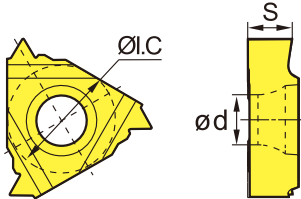
# Threading Inserts


## 螺纹车削

### 螺纹刀片型号命名规则 Identification System



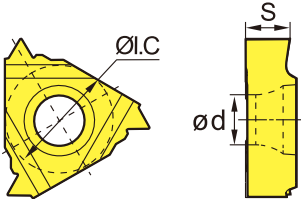
螺纹车削 Threading Inserts





产品 Inserts Shape	型号 Type	尺寸Dimensions (mm )				可选牌号Grade for Choice	
		螺距 Pitch	ØI.C	刀尖高度 Tip height	内孔 Φd	KT8280	KC5280
	YT16ERM1.0ISO	1	9.525	3.55	4.0	▲	●
	YT16ERM1.5ISO	1.5	9.525	3.55	4.0	▲	●
	YT16ERM2.0ISO	2	9.525	3.55	4.0	▲	●
	YT16ERM2.5ISO	2.5	9.525	3.55	4.0	▲	●
	YT16ERM3.0ISO	3	9.525	3.55	4.0	▲	●
	YT16IRM1.0ISO	1	9.525	3.55	4.0	▲	●
	YT16IRM1.5ISO	1.5	9.525	3.55	4.0	▲	●
	YT16IRM2.0ISO	2	9.525	3.55	4.0	▲	●
	YT16IRM2.5ISO	2.5	9.525	3.55	4.0	▲	●
	YT16IRM3.0ISO	3	9.525	3.55	4.0	▲	●
	YT16ERMAG55	0.5-1.5	9.525	3.55	4.0	▲	●
	YT16ERMAG60	0.5-1.5	9.525	3.55	4.0	▲	●
	YT16IRMAG55	0.5-1.5	9.525	3.55	4.0	▲	●
	YT16IRMAG60	0.5-1.5	9.525	3.55	4.0	▲	●
	YT16ERM11WPB	11	9.525	3.55	4.0	▲	●
	YT16ERM14WPB	14	9.525	3.55	4.0	▲	●
	YT16IRM11WPB	11	9.525	3.55	4.0	▲	●
	YT16IRM14WPB	14	9.525	3.55	4.0	▲	●
	YT16ERM12UN	12	9.525	3.55	4.0	▲	●
	YT16IRM12UN	12	9.525	3.55	4.0	▲	●
	YT16ERM11.5NPT	11.5	9.525	3.55	4.0	▲	●
	YT16ERM14NPT	14	9.525	3.55	4.0	▲	●
	YT16IRM11.5NPT	11.5	9.525	3.55	4.0	▲	●
	YT16IRM14NPT	14	9.525	3.55	4.0	▲	●
	YT16ERM11BSPT	11	9.525	3.55	4.0	▲	●
	YT16ERM14BSPT	14	9.525	3.55	4.0	▲	●
	YT16ERM19BSPT	19	9.525	3.55	4.0	▲	●
	YT16IRM11BSPT	11	9.525	3.55	4.0	▲	●
	YT16IRM14BSPT	14	9.525	3.55	4.0	▲	●
	YT16IRM19BSPT	19	9.525	3.55	4.0	▲	●

▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order

螺纹车削 Threading Inserts



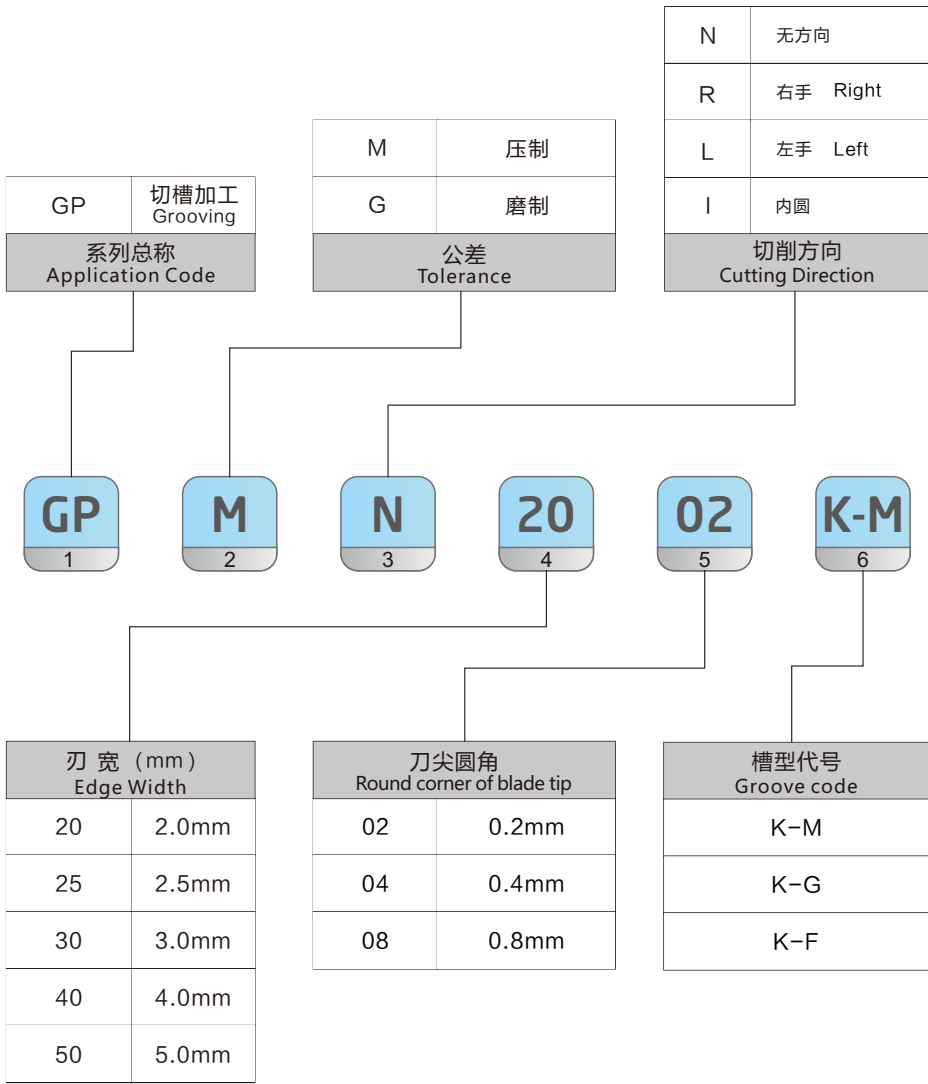
产品 Inserts Shape	型号 Type	尺寸Dimensions (mm )				可选牌号Grade for Choice	
		螺距 Pitch	ØI.C	刀尖高度 Tip height	内孔 Φd	KT8280	KC5280
	YT11ERM1.0ISO	1	6.35	3.1	3.2	▲	●
	YT11ERM1.5ISO	1.5	6.35	3.1	3.2	▲	●
	YT11ERM2.0ISO	2	6.35	3.1	3.2	▲	●
	YT11ERM2.5ISO	2.5	6.35	3.1	3.2	▲	●
	YT11ERM3.0ISO	3	6.35	3.1	3.2	▲	●
	YT11IRM1.0ISO	1	6.35	3.1	3.2	▲	●
	YT11IRM1.5ISO	1.5	6.35	3.1	3.2	▲	●
	YT11IRM2.0ISO	2	6.35	3.1	3.2	▲	●
	YT11IRM2.5ISO	2.5	6.35	3.1	3.2	▲	●
	YT11IRM3.0ISO	3	6.35	3.1	3.2	▲	●
	YT11ERMAG55	0.5-1.5	6.35	3.1	3.2	▲	●
	YT11ERMAG60	0.5-1.5	6.35	3.1	3.2	▲	●
	YT11IRMAG55	0.5-1.5	6.35	3.1	3.2	▲	●
	YT11IRMAG60	0.5-1.5	6.35	3.1	3.2	▲	●
	YT22ERM1.0ISO	1	12.70	4.65	5.0	▲	●
	YT22ERM1.5ISO	1.5	12.70	4.65	5.0	▲	●
	YT22ERM2.0ISO	2	12.70	4.65	5.0	▲	●
	YT22ERM2.5ISO	2.5	12.70	4.65	5.0	▲	●
	YT22ERM3.0ISO	3	12.70	4.65	5.0	▲	●
	YT22IRM1.0ISO	1	12.70	4.65	5.0	▲	●
	YT22IRM1.5ISO	1.5	12.70	4.65	5.0	▲	●
	YT22IRM2.0ISO	2	12.70	4.65	5.0	▲	●
	YT22IRM2.5ISO	2.5	12.70	4.65	5.0	▲	●
	YT22IRM3.0ISO	3	12.70	4.65	5.0	▲	●
	YT22ERMAG55	0.5-1.5	12.70	4.65	5.0	▲	●
	YT22ERMAG60	0.5-1.5	12.70	4.65	5.0	▲	●
	YT22IRMAG55	0.5-1.5	12.70	4.65	5.0	▲	●
	YT22IRMAG60	0.5-1.5	12.70	4.65	5.0	▲	●
	YT22ERM11WPB	11	12.70	4.65	5.0	▲	●
	YT22ERM14WPB	14	12.70	4.65	5.0	▲	●
	YT22IRM11WPB	11	12.70	4.65	5.0	▲	●
	YT22IRM14WPB	14	12.70	4.65	5.0	▲	●

▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order



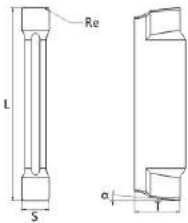
Parting and Grooving Inserts  
切断切槽车削

切断切槽刀片型号命名规则 Identification System





切断切槽车削 Parting and Grooving Inserts



产品 Inserts Shape	型号 Type	尺寸 Dimensions ( mm )			可选牌号 Grade for Choice						应用 Application
		L	刃宽 S	刀尖圆角 Re	KT1100	KT1200	KT8280	KT8200	KT8300	KC5280	
	GPMN1502K-M	14.50	1.50	0.2		▲	▲				精加工 Finishing
	GPMN2002K-M	15.85	2.00	0.2		▲	▲				
	GPMN2502K-M	18.45	2.50	0.2		▲	▲			●	半精加工 Semi-finishing
	GPMN3004K-M	21.00	3.00	0.4		▲	▲	●	●	●	
	GPMN4004K-M	21.00	4.00	0.4		▲	▲	●	●	●	
	GPMN5008K-M	25.85	5.00	0.8		▲	▲	●	●	●	
	GPMN6008K-M	25.85	6.00	0.8		▲	▲	●			精加工 Finishing
	GPMN1502K-G	14.00	1.50	0.2			▲				
	GPMN2002K-G	15.85	2.00	0.2			▲	●		●	半精加工 Semi-finishing
	GPMN2502K-G	18.45	2.50	0.2			▲	●			
	GPMN3004K-G	21.00	3.00	0.4			▲	●		●	
	GPMN4004K-G	25.85	4.00	0.4			▲	●		●	
	GPMN5008K-G	25.85	5.00	0.8			▲	●		●	精加工 Finishing
	GPMN6008K-G	25.85	6.00	0.8			▲	●			
	GRMN2010K-F	14.50	2.00	1		▲					
											半精加工 Semi-finishing
	GRMN3015K-F	17.00	3.00	1.5		▲					
	GRMN4020K-F	22.00	4.00	2		▲					
	GRMN5025K-F	22.00	5.00	2.5		▲				●	
	GRMN6030K-F	22.00	6.00	3		▲				●	

▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order

普通车削加工切削用量推荐表 Cutting Data

ISO	材料 Material		硬度 Hardness Brinell(HB)	CVD涂层 CVD Coating						PVD涂层 PVD Coating			金属陶瓷 Cermet
				KT1100-1	KT1200-1	KT1100-3	KT1200-3	KT1300-1	KT1300-3	KT8200-6	KT8280-6	KT8300-6	KC5280
				进给量 Feed/tooth (mm/rev)									
				0.1-0.6	0.1-0.8	0.1-0.6	0.1-0.8	0.2-1.0	0.2-1.0	0.2-0.4	0.1-0.6	0.05-0.8	0.02-0.2
				切削速度 Cutting speed (m/min)									
P	碳素钢 Carbon steel	C=0.15%	125	430-200	430-190	500-270	480-240	380-165	430-220	460-220	380-180	360-165	550-350
		C=0.35%	150	380-180	410-180	460-250	460-230	300-150	350-200	440-210	300-170	280-150	500-300
		C=0.6%	200	330-150	350-150	400-220	400-200	260-130	310-180	380-180	260-150	240-130	460-260
	合金钢 Alloyed steel	退火 annealed	180	350-170	350-150	400-180	400-200	200-100	250-150	380-180	200-120	180-100	410-240
		淬硬 quenched	275	230-100	210-100	280-150	260-140	140-70	200-120	240-120	140-90	120-70	300-180
		淬硬 quenched	300	210-100	190-70	260-150	240-120	125-60	180-110	220-100	125-80	100-60	250-170
		淬硬 quenched	350	180-80	170-70	230-120	220-120	110-55	160-100	200-100	110-75	90-55	230-150
	高合金钢 high alloyed steel	退火 annealed	200	320-150	260-120	360-190	310-170	175-80	220-130	290-150	175-100	155-80	350-200
		淬硬 quenched	325	140-90	100-50	190-130	150-100	85-40	140-90	130-80	85-60	65-40	170-110
	铸钢 Cast steel	非合金 unalloyed	180	240-120	200-100	280-160	250-140	135-75	190-130	230-125	135-95	115-75	260-170
		低合金 alloyed	200	230-70	170-60	280-110	220-110	120-80	170-130	200-90	120-100	100-80	260-170
		高合金 high alloyed steel	225	160-70	140-50	210-110	190-100	95-55	150-110	170-80	95-55	95-55	260-100



普通车削加工切削用量推荐表 Cutting Data

ISO	材料 Material		硬度 Hardness Brinell(HB)	CVD涂层 CVD Coating				PVD涂层 PVD Coating			金属陶瓷 Cermet	涂层金属陶瓷 Coating Cermet
				KT2200-1	KT2200-2	KT2300-1	KT2300-2	KT8200-6	KT8280-8	KT8300-6	KC5280	KC5280-5
				进给量 Feed/tooth (mm/rev)								
				0.2-0.6	0.2-0.6	0.2-0.6	0.2-0.6	0.1-0.4	0.2-0.4	0.2-0.6	0.1-0.3	0.1-0.3
				切削速度 Cutting speed (m/min)								
M	不锈钢 Stainless steel	铁素体 ferritic	180	250-140	260-140	240-140	250-140	300-190	290-190	250-150	330-220	350-220
		奥氏体 austenitic	260	200-110	210-110	190-110	200-110	250-160	240-160	220-120	250-150	270-150
		马氏体 martensitic	330	210-130	220-130	200-130	210-130	260-170	250-170	210-120	270-170	290-170

ISO	材料 Material		硬度 Hardness Brinell(HB)	CVD涂层 CVD Coating				金属陶瓷 Cermet	涂层金属陶瓷 Coating Cermet
				KT3150-1	KT3150-2	KT3260-2	KT3260-3	KC5280	KC5280-5
				进给量    Feed/tooth (mm/rev)					
				0.1-0.4	0.1-0.4	0.1-0.5	0.1-0.8	0.1-0.4	0.1-0.4
				切削速度    Cutting speed (m/min)					
K	可锻铸铁 Malleable cast iron	铁素体 ferritic	130	350-230	330-220	320-105	250-170	280-160	300-180
		珠光体 perlitic	230	250-105	230-100	230-100	180-75	220-120	240-150
	低度铸铁 low tensile strength grey cast iron		180	520-200	480-200	480-190	380-150	400-250	420-20
	高度铸铁 high tensile strength grey cast iron		260	230-120	220-115	210-100	170-90	360-240	380-260
	球磨铸铁 Spheroidal graphite cast iron	铁素体 ferritic	160	310-150	300-150	290-140	220-110	330-190	350-210
		珠光体 perlitic	250	230-110	220-105	210-100	170-90	310-200	330-220

内孔车削加工切削用量修正表 Cutting Data

P类夹紧内孔车刀 P type internal turning tool holders

材料 Material		硬度 Hardness Brinell(HB)	加工形态 Processing Form	L/D≤3		L/D=3-4(刀柄直径≥Φ16mm)	
				进给量 Feed/tooth (mm/rev)	切深 Cut depth ( mm)	进给量 Feed/tooth (mm/rev)	切深 Cut depth ( mm)
P	碳钢 Carbon steel 合金钢 Alloyed steel 45#、42CrMo	HB180-280	半精加工 semi-finishing	0.1-0.25-0.4	< 5.0	0.1-0.2-0.3	< 4.0
M	不锈钢 Stainless steel 1Cr18Ni9Ti 0Cr18Ni9	≤HB220	半精加工 semi-finishing	0.1-0.2-0.3	< 4.0	0.1-0.15-0.25	< 3.0
K	铸铁 Cast iron HT250	HB170-230	半精加工 semi-finishing	0.1-0.25-0.4	< 5.0	0.1-0.2-0.3	< 4.0

S类夹紧内孔车刀 S type internal turning tool holders

材料 Material		硬度 Hardness Brinell(HB)	加工形态 Processing Form	L/D≤3		L/D=4		L/D=5		L/D=6	
				进给量 Feed/tooth (mm/rev)	切深 Cut depth ( mm)	进给量 Feed/tooth (mm/rev)	切深 Cut depth ( mm)	进给量 Feed/tooth (mm/rev)	切深 Cut depth ( mm)	进给量 Feed/tooth (mm/rev)	切深 Cut depth ( mm)
P	碳钢 Carbon steel 合金钢 Alloyed steel 45#、42CrMo	HB180-280	精加工finishing	0.05-0.1-0.15	< 0.2	0.05-0.1-0.15	< 0.2				
			半精加工 semi-finishing	0.15-0.25-0.35	< 3.0	0.1-0.15-0.2	< 1.5				
M	不锈钢 Stainless steel 1Cr18Ni9Ti 0Cr18Ni9	≤HB220	精加工finishing	0.05-0.1-0.15	< 0.2	0.05-0.1-0.15	< 0.2				
			半精加工 semi-finishing	0.15-0.2-0.25	< 2.0	0.1-0.15-0.2	< 1.0				
N	铝合金 Al-alloys	——	精加工finishing	0.05-0.1-0.15	< 0.2	0.05-0.1-0.15	< 0.2	0.05-0.1-0.15	-0.15	0.05-0.1-0.15	< 0.1
			半精加工 semi-finishing	0.05-0.1-0.15	< 2.0	0.05-0.1-0.15	< 1.5	0.05-0.1-0.15	-1.0	0.05-0.1-0.15	< 1.0



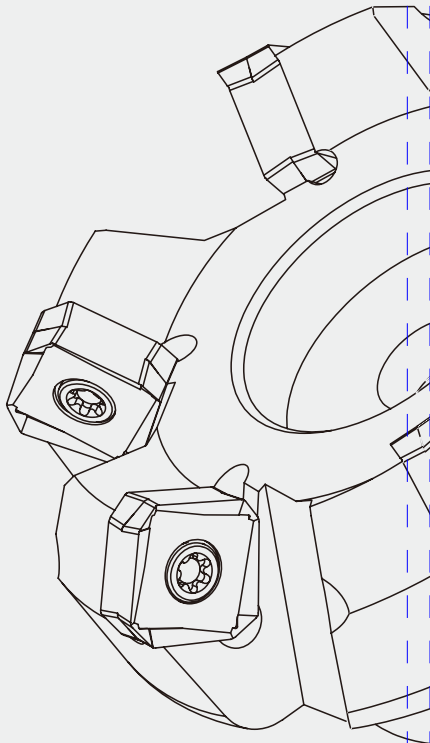
# Milling Inserts

## 铣削刀片

# B 铣削刀片

## Milling Inserts

铣削刀片牌号介绍Grade Informations	069
铣削刀片型号命名规则Identification System	071
常规铣削刀片Carbide Milling Tools	073













































铣削刀片牌号介绍 Grade Informations

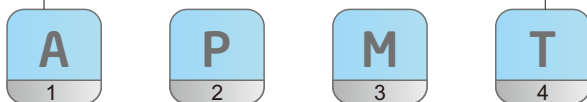
KT8200	P15~P30 M10-M25	<p>The high-toughness substrate is matched with a suitable thickness of AlTiN coating to achieve both wear resistance and toughness. It is suitable for many fields from general machining of stainless steel turning to milling in the conditions of stable working, and the pursuit of high wear-resistant occasions.</p> <p>高韧性的基体搭配适宜厚度的AlTiN涂层，使之兼顾耐磨性与强韧性，能胜任稳定工况、追求高耐磨场合下的不锈钢从车削通用加工到铣削加工的众多领域。</p>
KT8290	K15-K25 P15-P25 M15-M25	<p>The toughness substrate with solid solution strengthening technology has excellent bending strength and thermal shock resistance. The highly heat-stable multi-component TiAlN coating provides more effective protection for the cutting edge, and is the preferred grade for milling of steel, stainless steel etc.</p> <p>采用固溶强化技术的强韧性基体，具有优异的抗弯强度和抗热冲击性能，高热稳定的TiAlN多元涂层为切削刃提供更有效的保护，是钢件、不锈钢等材料的铣削加工的首选牌号。</p>
KT8300	P15~P30 M15-M30	<p>Suitable for milling of stainless steel and steel materials under severe working conditions.</p> <p>适用于恶劣工况下不锈钢与钢件材质的铣削。</p>
KT8450	P30-P40 M20~M40 S20~S30	<p>Suitable for interrupted processing and rough machining of steel and stainless steel, and also suitable for low speed and interrupted processing of heat resistant alloys.</p> <p>适用于钢和不锈钢的断续加工和粗加工，适用于耐热合金的低速和断续加工。</p>
KT3260	K15~K30	<p>Substrate with moderate strength and hardness + nano-coating, suitable for semi-finishing and rough milling of cast iron.</p> <p>强度和硬度适中的基体+纳米涂层，适合铸铁的半精铣和粗铣。</p>
KC5230	P10~P25 K10~K25 M10~M25	<p>Grade for cermet milling. It has good toughness and crater wear resistance, and is suitable for finishing and semi-finishing milling of steel, cast iron etc.</p> <p>金属陶瓷铣削加工牌号。具有良好的韧性和抗月牙洼磨损性能，适用于钢件、铸铁等材料的精、半精铣削加工。</p>
KT6200	S15~S30	<p>Substrate with excellent deformation resistance plus nano-coating, suitable for semi-finishing milling of hard-to-machine materials such as high-temperature alloys.</p> <p>抗变形能力极好的基体材料加纳米涂层，适合高温合金等难加工材料的半精铣加工。</p>
KT6250	H10~H15	<p>High hardness and high strength ultra-fine cemented carbide substrate plus nano-coating, suitable for milling of hardened steel.</p> <p>高硬度高强度的超细硬质合金基体加上纳米涂层，适合淬硬钢的铣削。</p>










铣削刀片牌号一览表 Recommended Grade Table


工件材料 Workpiece materials	ISO代号 ISO Code	CVD	PVD	金属陶瓷 Cermet	硬质合金 Cemented carbide	超硬材料 Superhard materials
P	P01					
	P10	KT8300-2	KT8200 KT8290 KT8300 KT8450	KT5230		
	P20					
	P30					
	P40					
M	M01					
	M10	KT8300-2	KT8200 KT8290 KT8300 KT8450	KT5230		
	M20					
	M30					
	M40					
K	K01					
	K10	KT3260-2	KT3260 KT8290	KT5230		
	K20					
	K30					
N	N01					
	N10				KT3150	
	N20					
	N30					
S	S01					
	S10		KT6200 KT8450			
	S20					
	S30					
H	H01					
	H10		KT6250			
	H20					
	H30					

## 铣削刀片型号命名规则 Identification System

刀片形状代号 Insert Shape			公制 ISO Code					
代号	有无孔	有无断屑槽	刀片剖面	代号	有无孔	有无断屑槽	刀片剖面	
 A	有 Y	无 N		N	无 N	无		
 B	有 Y	单面 Single Face		R	无 N	单面 Single Face		
 C	有 Y	无 N		F	无 N	双面 Double Face		
 D	有 Y	双面 Double Face		A	有 Y	无		
 E	有 Y	无 N		M	有 Y	单面 Single Face		
 H	有 Y	单面 Single Face		G	有 Y	双面 Double Face		
 K	有 Y	无 N		X	---	---	特殊	
 L	有 Y	无 N						
 M	有 Y	无 N						
 O	有 Y	无 N						
 P	有 Y	无 N						
 R	有 Y	无 N						
 S	有 Y	无 N						
 T	有 Y	无 N						
 T	有 Y	无 N						
 V	有 Y	无 N						
 W	有 Y	无 N						
 Z	有 Y	无 N						
刀片形状代号 Insert Shape			断屑槽及夹固形式 Chip Breaker and Clamping Designation					





主切削刃后角 Clearance Angle			
代号 Symbol	后角 Angle	代号 Symbol	后角 Angle
A	 3°	B	 5°
C	 7°	D	 15°
E	 20°	F	 25°
G	 30°	N	 0°
P	 11°	O	其他的后角

公差 Tolerance, metric									
									
代号 Symbol	刀尖高度 m 公差 (mm) m (mm)	内接圆 Φ I.C 公差 (mm) d=I.C. (mm)	厚度 S 公差 (mm) s (mm)	(参考) M 级精度详细情况 (按形状、大小分) ● 刀尖高度公差 (mm) reference) M grade tolerance detail (according to shape, size.) Tolerance of insert nose height					
				内接圆 Inscribed Circle	正三角形 Regular Triangle	正方形 Square	80° 菱形 80° Rhombus	55° 菱形 55° Rhombus	35° 菱形 35° Rhombus
A	±0.005	±0.025	±0.025	6.35	±0.08	±0.08	±0.08	0.11	±0.16
F	±0.005	±0.013	±0.025	9.525	±0.08	±0.08	±0.08	0.11	±0.16
C	±0.013	±0.025	±0.025	12.7	±0.13	±0.13	±0.13	0.15	...
H	±0.013	±0.013	±0.013	15.875	±0.15	±0.15	±0.15	0.18	...
E	±0.025	±0.025	±0.025	19.05	±0.15	±0.15	±0.15	0.18	...
G	±0.025	±0.025	±0.13	25.4	...	±0.18			...
J	±0.005	±0.05~±0.13	±0.025	● 内接圆 Φ I.C 公差 (mm) ● Tolerance of Inscribed Circle					
K	±0.013	±0.05~±0.13	±0.025	内接圆 Inscribed Circle	正三角形 Regular Triangle	正方形 Square	80° 菱形 80° Rhombus	55° 菱形 55° Rhombus	35° 菱形 35° Rhombus
L	±0.025	±0.05~±0.13	±0.025	6.35	±0.05	±0.05	±0.05	0.05	±0.05
M	±0.08~±0.18	±0.05~±0.13	±0.13	9.525	±0.05	±0.05	±0.05	0.05	±0.08
N	±0.08~±0.18	±0.05~±0.13	±0.025	12.7	±0.08	±0.08	±0.08	0.08	±0.1
U	±0.13~±0.38	±0.08~±0.25	±0.13	15.875	±0.1	±0.1	±0.1	±0.1	...
				19.05	±0.1	±0.1	±0.1	±0.1	±0.13
				25.4	...	±0.13	...	...	...

内切圆直径 Inscribed Circle diameter (mm)	刀片形状 Insert Shape							
	C	D	R	S	T	V	W	K
3.97					06			
5			05					
5.56					09			
6			06					
6.35	06	07			11	11		
8			08					
9.525	09	11	09	09	16	16	06	16
10			10					
12			12					
12.7	12	15	12	12	22	22	08	
15.875	16		15	15	27			
16			19	16				
19.05	19		19	19	33			
20			20					
25	25	25	25					
25.4			25	25				
31.75			31					
32			32					
切削刃长度 Cutting Edge Length								

刀片厚度 Thickness (mm)	
代号 Symbol	刀片厚度 Thickness (mm)
00	0.79
T0	0.99
01	1.59
T1	1.98
02	2.38
T2	2.58
03	3.18
T3	3.97
04	4.76
T4	4.96
05	5.56
T5	5.95
06	6.35
T6	6.75
07	7.94
09	9.52
T9	9.72
11	11.11
12	12.7
刀片厚度 Thickness	



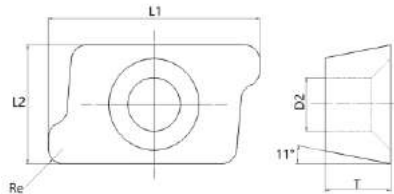
修光刃				切削刃倒棱 (mm)			
							
A	45°	A	3°	F	0-5°	0-0.10	K
D	60°	B	5°	E	1-10°	1-0.15	P
E	75°	C	7°		2-15°	2-0.20	
F	85°	D	15°		3-20°	3-0.25	
P	90°	E	20°	T	4-25°	4-0.30	W
Z	其它	F	25°		5-30°	5-0.35	
		G	30°				
		N	0°	S		6-0.40	
		P	11°			7-0.45	
		Z	其它				不标

断屑槽型代号 Chip Breaker

切削方向 Cutting direction

R	右
L	左
N	双向

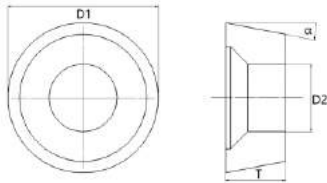
常规铣削刀片 Carbide Milling Tools




产品 Inserts Shape	型号 Type	尺寸 Dimensions ( mm )				可选牌号 Grade for Choice							
		ØI.C	厚度 T	内孔 Φd	刀尖圆角 Re	KT8300	KT8200	KT6200	KT8290	KT8450	KT8300	KT3260	KC5230
	APMT1135PDER-K	6.20	3.50	2.80	0.8		●	●	▲	●	●	●	
	APMT1604PDER-K	9.30	4.76	4.40	0.8		●	●	▲	●	●	●	

▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order

常规铣削刀片 Carbide Milling Tools



产品 Inserts Shape	型号 Type	尺寸 Dimensions ( mm )				可选牌号 Grade for Choice							
		ØI.C	厚度 T	内孔 Φd	后角 a	KT8300	KT8200	KT6200	KT8290	KT8450	KT8300	KT3260	KC5230
	RPKW1003MO-K	10.00	3.18	4.40	11		●	●	▲	●	●	●	
	RPKW1204MO-K	12.00	4.76	4.40	11		●	●	▲	●	●	●	
	RPMT10T3MO-K	10.00	3.97	4.40	11		●	●	▲	●	●	●	
	RPMT1204MO-K	12.00	4.76	4.40	11		●	●	▲	●	●	●	
	RDKW10T3MO-K	10.00	3.97	4.40	15		●	●	▲	●	●	●	
	RDKW1204MO-K	12.00	4.76	4.40	15		●	●	▲	●	●	●	
	RDMT1003MOTN	10.00	3.18	4.40	15		●	●	▲	●	●	●	
	RDMT1204MOTN	12.00	4.76	4.40	15		●	●	▲	●	●	●	

▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order




常规铣削刀片 Carbide Milling Tools

产品 Inserts Shape	型号 Type	尺寸 Dimensions ( mm )				可选牌号 Grade for Choice							
		ØI.C	刀尖高度 Tip Height	内孔 Φd	刀尖圆角 Re	KT8300	KT8200	KT6200	KT8290	KT8450	KT8300	KT3260	KC5230
	XPKT100404R-M	6.90	4.00	3.80	0.4				▲		▲		
	XPKT150508R-M	10.70	5.00	4.40	0.8				▲		▲		
	XPKT190608R-M	13.50	6.00	5.10	0.8				▲		▲		

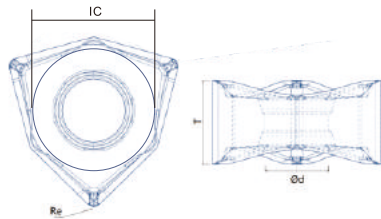
▲为主推荐牌号Recommended grade(Always stock available)   ●按订单生产可选牌号Maker-to-order

常规铣削刀片 Carbide Milling Tools

产品 Inserts Shape	型号 Type	尺寸 Dimensions( mm )				可选牌号 Grade for Choice							
		ØI.C	刀尖高度 Tip Height	内孔 Φd	刀尖圆角 Re	KT8300	KT8200	KT6200	KT8290	KT8450	KT8300	KT3260	KC5230
	XNMP0603R-KM	6.40	3.75	3.20	\				▲				
	XNMP0904R-KM	9.18	4.80	4.50	\				▲				
	XNMP1205R-KM	12.00	5.16	4.60	1.2				▲				
	XNMP1306R-KM	12.30	6.14	5.50	1.2				▲				

▲为主推荐牌号Recommended grade(Always stock available)   ●按订单生产可选牌号Maker-to-order

常规铣削刀片 Carbide Milling Tools



产品 Inserts Shape	型号 Type	尺寸 Dimensions( mm )				可选牌号 Grade for Choice							
		ØI.C	厚度 T	内孔 Φd	刀尖圆角 Re	KT8300	KT8200	KT6200	KT8290	KT8450	KT8300	KT3260	KC5230
	WNMU080608EN-GM	14.00	8.30	6.35	0.8			●	▲			▲	
	WNEX080608K-XF	12.50	6.40	4.70	0.8				▲			▲	
	WNEX080608K-XT	12.50	6.40	4.70	0.8				▲			▲	
	WNEX080608K-XM	12.50	6.40	4.70	0.8				▲			▲	
	WNEX080616K-XF	12.50	6.40	4.70	1.6				▲			▲	
	WNEX080616K-XT	12.50	6.40	4.70	1.6				▲			▲	
	WNEX080616K-XM	12.50	6.40	4.70	1.6				▲			▲	
	WOGU060408R-M	9.20	4.65	3.70	0.8				▲			▲	
	WOGU090508R-M	12.90	6.55	5.16	0.8				▲			▲	

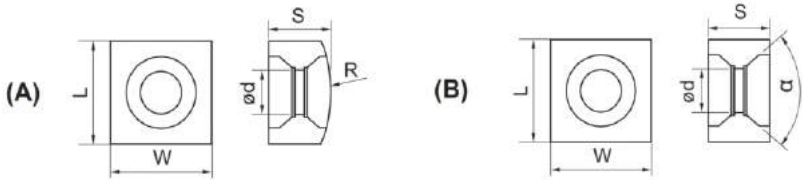
▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order

常规铣削刀片 Carbide Milling Tools

产品 Inserts Shape	型号 Type	尺寸 Dimensions( mm )				可选牌号 Grade for Choice							
		ØI.C	厚度 T	内孔 Φd	刀尖圆角 Re	KT8300	KT8200	KT6200	KT8290	KT8450	KT8300	KT3260	KC5230
	LNMU0303EN-GM	6.0	4.3	2.9	1.2			●	▲				

▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order

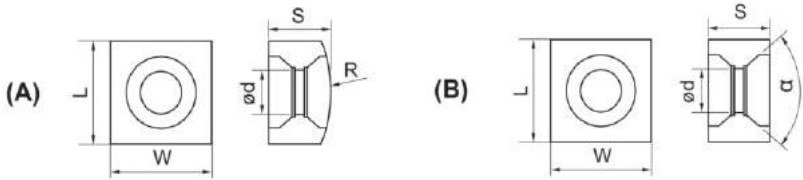
常规铣削刀片 Carbide Milling Tools



型号 Type	尺寸 Dimensions( mm )						可选牌号 Grade for Choice		
	L	W	S	Φd	α	R	KT8200	KT8280	KT8300
(B)SNC 33-DR0	9.525	9.53	4.76	4.4	90	0	▲	●	
(A)SNC 33-DR10	9.525	9.53	4.76	4.4	90	10	▲	●	
(A)SNC 33-DR11	9.525	9.53	4.76	4.4	90	11	▲	●	
(A)SNC 33-DR15	9.525	9.53	4.76	4.4	90	15	▲	●	
(A)SNC 33-DR20	9.525	9.53	4.76	4.4	90	20	▲	●	
(B)SNC 44-DR0	12.70	12.70	7.94	5.4	90	0	▲	●	
(A)SNC 44-DR15	12.70	12.70	7.94	5.4	90	15	▲	●	
(A)SNC 44-DR20	12.70	12.70	7.94	5.4	90	20	▲	●	
(A)SNC 44-DR40	12.70	12.70	7.94	5.4	90	40	▲	●	
(B)SNC 55-DR0	15.90	15.90	7.94	5.4	90	0	▲	●	
(A)SNC 55-DR13	15.90	15.90	7.94	5.4	90	13	▲	●	
(A)SNC 55-DR14	15.90	15.90	7.94	5.4	90	14	▲	●	
(A)SNC 55-DR23.5	15.90	15.90	7.94	5.4	90	23.5	▲	●	
(B)LNE 313-DR0-6.35	12.70	9.53	6.35	4.5	90	0	▲	●	
(A)LNE 313-DR10-6.35	12.70	9.53	6.35	4.5	90	10	▲	●	
(A)LNE 313-DR11-6.35	12.70	9.53	6.35	4.5	90	11	▲	●	
(A)LNE 313-DR15-6.35	12.70	9.53	6.35	4.5	90	15	▲	●	
(A)LNE 313-DR20-6.35	12.70	9.53	6.35	4.5	90	20	▲	●	
(B)LNE 313-DR0-5.56	12.70	9.53	5.56	4.5	90	0	▲	●	
(A)LNE 313-DR10-5.56	12.70	9.53	5.56	4.5	90	10	▲	●	
(A)LNE 313-DR11-5.56	12.70	9.53	5.56	4.5	90	11	▲	●	
(A)LNE 313-DR15-5.56	12.70	9.53	5.56	4.5	90	15	▲	●	
(A)LNE 313-DR20-5.56	12.70	9.53	5.56	4.5	90	20	▲	●	
(B)LNE 323-DR0	15.88	9.53	5.56	4.5	90	0	▲	●	
(A)LNE 323-DR10	15.88	9.53	5.56	4.5	90	10	▲	●	
(A)LNE 323-DR11	15.88	9.53	5.56	4.5	90	11	▲	●	
(A)LNE 323-DR15	15.88	9.53	5.56	4.5	90	15	▲	●	

▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order

常规铣削刀片 Carbide Milling Tools



型号 Type	尺寸 Dimensions( mm )						可选牌号 Grade for Choice		
	L	W	S	Φd	α	R	KT8200	KT8280	KT8300
(A)LNE 323-DR20	15.88	9.53	5.56	4.5	90	20	▲	●	
(B)LNE 424-DR0	15.88	12.70	7.94	5.6	90	0	▲	●	
(A)LNE 424-DR10	15.88	12.70	7.94	5.6	90	10	▲	●	
(A)LNE 424-DR11.5	15.88	12.70	7.94	5.6	90	11.5	▲	●	
(A)LNE 424-DR13	15.88	12.70	7.94	5.6	90	13	▲	●	
(A)LNE 424-DR14.5	15.88	12.70	7.94	5.6	90	14.5	▲	●	
(A)LNE 424-DR15.2	15.88	12.70	7.94	5.6	90	15.2	▲	●	
(A)LNE 424-DR16	15.88	12.70	7.94	5.6	90	16	▲	●	
(A)LNE 424-DR19	15.88	12.70	7.94	5.6	90	19	▲	●	
(A)LNE 424-DR20	15.88	12.70	7.94	5.6	90	20	▲	●	
(A)LNE 424-DR25	15.88	12.70	7.94	5.6	90	25	▲	●	
(A)LNE 424-DR40	15.88	12.70	7.94	5.6	90	40	▲	●	
(A)LNE 424-DR80	15.88	12.70	7.94	5.6	90	80	▲	●	
(B)LNE 434-DR0-6.35	19.05	14.30	6.35	5.6	90	0	▲	●	
(A)LNE 434-DR10-6.35	19.05	14.30	6.35	5.6	90	10	▲	●	
(A)LNE 434-DR11-6.35	19.05	14.30	6.35	5.6	90	11	▲	●	
(A)LNE 434-DR15-6.35	19.05	14.30	6.35	5.6	90	15	▲	●	
(A)LNE 434-DR20-6.35	19.05	14.30	6.35	5.6	90	20	▲	●	
(A)LNE 434-DR25-6.35	19.05	14.30	6.35	5.6	90	25	▲	●	
(A)LNE 434-DR30-6.35	19.05	14.30	6.35	5.6	90	30	▲	●	
(B)LNE 434-DR0-7.94	19.05	14.30	7.94	5.6	90	0	▲	●	
(A)LNE 434-DR10-7.94	19.05	14.30	7.94	5.6	90	10	▲	●	
(A)LNE 434-DR10-7.94	19.05	14.30	7.94	5.6	90	11	▲	●	
(A)LNE 434-DR10-7.94	19.05	14.30	7.94	5.6	90	15	▲	●	
(A)LNE 434-DR10-7.94	19.05	14.30	7.94	5.6	90	20	▲	●	
(A)LNE 434-DR10-7.94	19.05	14.30	7.94	5.6	90	25	▲	●	
(A)LNE 434-DR10-7.94	19.05	14.30	7.94	5.6	90	30	▲	●	

▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order

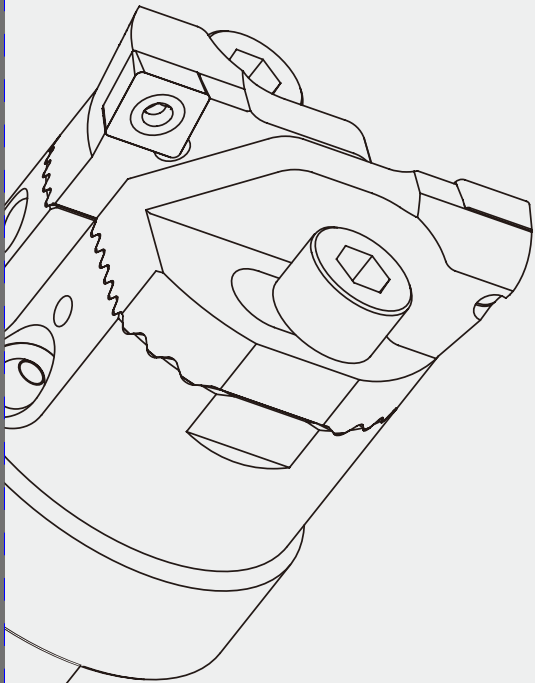


Hole Machining inserts  
—  
孔加工刀片

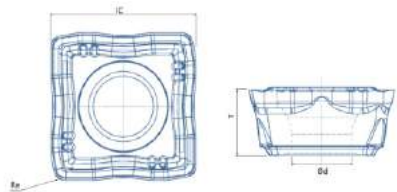
C 孔加工刀片  
Hole Machining inserts

浅孔钻刀片Shallow hole drilling Inserts  
深孔钻刀片Deep-hole drill Turning Inserts

083  
086



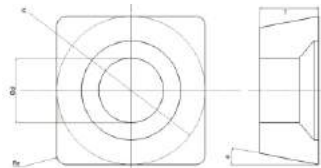
浅孔钻刀片 Shallow hole drilling Inserts



产品图示 Inserts Shape	型号 Type	尺寸 Dimensions ( mm )					可选牌号 Grade for Choice		应用 Application
		ØI.C	刀尖高度 T	内孔 Φd	后角 Angle	刀尖圆角 Re	KT8200	KT8290	
	SOMT 050204-KP	4.90	2.38	2.25	\	0.4	●	▲	通用 For common maching
	SOMT 060204-KP	5.70	2.38	2.60	\	0.4	●	▲	
	SOMT 070306-KP	6.80	2.80	2.60	\	0.6	●	▲	
	SOMT 08T306-KP	7.90	3.97	2.85	\	0.6	●	▲	
	SOMT 09T308-KP	9.20	3.97	3.80	\	0.8	●	▲	
	SOMT 11T308-KP	11.00	3.97	3.80	\	0.8	●	▲	
	SOMT 130408-KP	12.80	4.40	4.40	\	0.8	●	▲	
	SOMT 150510-KP	15.00	4.80	5.40	\	1	●	▲	

▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order

浅孔钻刀片 Shallow hole drilling Inserts

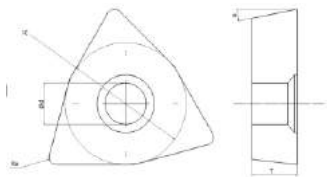


产品图示 Inserts Shape	型号 Type	尺寸 Dimensions ( mm )					可选牌号 Grade for Choice		应用 Application
		ØI.C	刀尖高度 T	内孔 Φd	后角 Angle	刀尖圆角 Re	KT8200	KT8290	
	SPMG 050204K-MD	5.00	2.38	2.25	11	0.4	●	▲	通用 For common maching
	SPMG 060204K-MD	6.00	2.38	2.61	11	0.4	●	▲	
	SPMG 07T308K-MD	7.94	3.97	2.85	11	0.8	●	▲	
	SPMG 090408K-MD	9.80	4.30	4.05	11	0.8	●	▲	
	SPMG 110408K-MD	11.50	4.80	4.45	11	0.8	●	▲	
	SPMG 120408K-MD	12.70	4.76	4.37	11	0.8	●	▲	
	SPMG 140512K-MD	14.30	5.20	5.75	11	1.2	●	▲	

▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order



浅孔钻刀片 Shallow hole drilling Inserts



产品图示 Inserts Shape	型号 Type	尺寸 Dimensions ( mm )					可选牌号 Grade for Choice		应用 Application
		ØI.C	刀尖高度 T	内孔 Φd	后角 Angle	刀尖圆角 Re	KT8200	KT8290	
	WCMX 030208R-LM	5.56	2.38	2.80	7	0.8		▲	通用 For common maching
	WCMX 040208R-LM	6.35	2.38	3.10	7	0.8		▲	
	WCMX 050308R-LM	7.94	3.18	3.20	7	0.8		▲	
	WCMX 06T308R-LM	9.53	3.97	3.70	7	0.8		▲	
	WCMX 080412R-LM	12.70	4.76	4.30	7	1.2		▲	

▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order

深孔钻刀片 Deep-hole drill Drilling Inserts

产品图示 Inserts Shape	型号 Type	尺寸 Dimensions ( mm )					可选牌号 Grade for Choice		应用 Application
		ØI.C	刀尖高度 T	内孔 Φd	后角 Angle	刀尖圆角 Re	KT8200	KT8290	
	LNMT2508	8.00	4.50	4.30	N	\	●	▲	通用 For common maching
	EOMT08T308-MC	9.87	3.97	2.90	17	0.8	●	▲	通用 For common maching
	EOMT08T308-MI	9.87	3.97	2.90	17	0.8	●	▲	通用 For common maching
	MOGT09T308-HP	9.00	3.97	2.90	11	0.8	●	▲	通用 For common maching

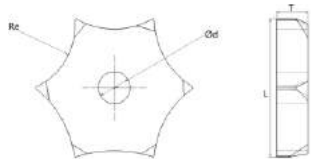
▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order



Tube Scraper Inserts  
—  
刮管刀片

**D** 刮管刀片  
Tube Scraper Inserts

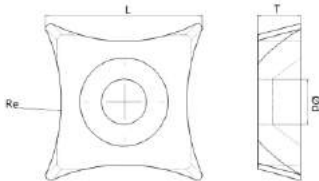
刮管刀片 Tube Scraper Inserts



产品 Inserts Shape	型号 Type	尺寸 Dimensions ( mm )				可选牌号 Grade for Choice			应用 Application
		外径长度 L	厚度 T	内孔 Φd	圆弧半径 Re	KT1100	KT1200	KT1330	
	HDMB 20K-R12	20.70	4.76	5.20	12	●	▲	▲	粗加工 For roughing
	HDMB 20K-R15	20.70	4.76	5.20	15	●	▲	▲	
	HDMB 20K-R20	20.70	4.76	5.20	20	●	▲	▲	
	HDMB 20K-R25	20.70	4.76	5.20	25	●	▲	▲	
	HDMB 20K-R40	20.70	4.76	5.20	40	●	▲	▲	
	HDMB 20K-R50	20.70	4.76	5.20	50	●	▲	▲	

▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order

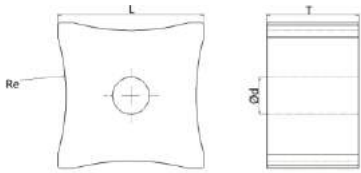
刮管刀片 Tube Scraper Inserts



产品 Inserts Shape	型号 Type	尺寸 Dimensions ( mm )				可选牌号 Grade for Choice			应用 Application
		外径长度 L	厚度 T	内孔 Φd	圆弧半径 Re	KT1100	KT1200	KT1330	
	SDUB 20K-R50	22.00	6.00	6.35	50	●	▲	▲	粗加工 For roughing
	SDUB 20K-R75	22.00	6.00	6.35	75	●	▲	▲	
	SDUB 20K-R100	22.00	6.00	6.35	100	●	▲	▲	
	SPUB 1904K-R12	19.05	4.76	5.20	12	●	▲	▲	粗加工 For roughing
	SPUB 1904K-R15	19.05	4.76	5.20	15	●	▲	▲	
	SPUB 1904K-R20	19.05	4.76	5.20	20	●	▲	▲	
	SPUB 1904K-R25	19.05	4.76	5.20	25	●	▲	▲	
	SPUB 1904K-R30	19.05	4.76	5.20	30	●	▲	▲	通用 Currency

▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order

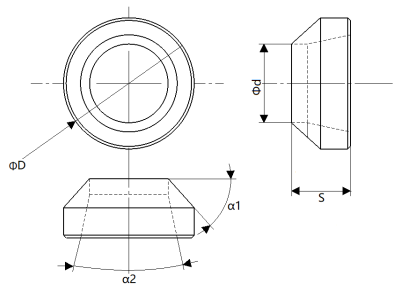
刮管刀片 Tube Scraper Inserts



产品 Inserts Shape	型号 Type	尺寸 Dimensions ( mm )			可选牌号 Grade for Choice			应用 Application
		外径长度 L	厚度 T	圆弧半径 Re	KT3220	KT1330	KT1200	
	SNGN 12K-R10	12.70	8.00	10.00	●			通用 Currency
	SNGN 12K-R16	12.70	8.00	16.00	●			
	SNGN 12K-R20	12.70	8.00	20.00	●			
	SNGN 12K-R25	12.70	8.00	25.00	▲			
	SNGN 12K-R30	12.70	8.00	30.00	▲			
	SNGN 12K-R40	12.70	8.00	40.00	▲			
	SNGN 12K-R50	12.70	8.00	50.00	▲			
	SNGN 12K-R60	12.70	8.00	60.00	▲			
	SNGN 12K-R70	12.70	8.00	70.00	▲			

▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order

刮管刀片 Tube Scraper Inserts



产品 Inserts Shape	型号 Type	尺寸 Dimensions ( mm )					可选牌号 Grade for Choice			应用 Applied Range
		外径长度 ΦD	厚度 S	内孔 Φd	内孔角度 α2	底部角度 α1	KT1330	KT3220	KT1200	
	RNGX1004N06-AR6.5	10.00	4.50	6.00	24	48	▲			通用 Currency
	RNGX1910N09-AR10	19.00	10.00	9.00	17	42	▲			
	RNGX2212N12-AR14	22.00	12.00	12.00	35	36	▲			
	RNGX3512N20-AR23	35.00	12.00	20.00	50.6	36	▲			

▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order



---

# E 重力切削刀片 Heavy Duty Inserts

---

Heavy Duty Inserts  
—  
重力切削刀片

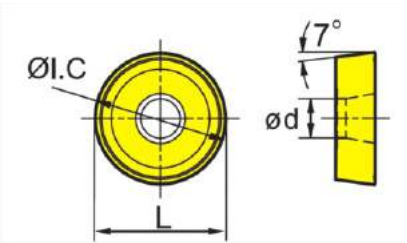


重力切削刀片 Heavy Duty Inserts

产品 Inserts Shape	型号 Type	尺寸 Dimensions ( mm )					可选牌号 Grade for Choice						应用 Application
		长度 L	宽度 W	刀尖高 度H	内孔 Φd	刀尖圆 角 Re	KT1100	KT1200	KT1300	KT3260	KT8280	KT8290	
	175.32-191940-28	19.05	10.00	19.05	6.35	4	●	▲	●				粗加工 For roughing
	CNHX 100508 K-M	10.00	5.40	10.00	4.40	0.8						▲	中精加工 For semi-finishing
	CNHX 131108 K-M	12.70	5.40	11.00	4.50	0.8						▲	
	CNHX 160608 K-M	16.00	6.40	12.00	6.10	0.8						▲	
	LNKX 1005 K-M	10.00	5.20	9.52	3.40	0.8				▲			中精加工 For semi-finishing
	LNKX 1206 K-M	12.70	6.00	12.20	4.40	0.8				▲			
	LNKX 1506 K-M	15.00	6.00	13.90	4.60	0.8				▲			

▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order

重力切削刀片 Heavy Duty Inserts



产品 Inserts Shape	型号 Type	尺寸 Dimensions ( mm )		可选牌号 Grade for Choice		应用 Application
		S	内孔 Φd	KT1200	KT1100	
	RCMX1003MO	3.18	3.60	▲	●	
	RCMX1204MO	4.76	4.40	▲	●	
	RCMX1606MO	6.35	5.50	▲	●	
	RCMX2006MO	6.35	6.50	▲	●	
	RCMX2507MO	7.94	7.20	▲	●	
	RCMX3209MO	9.52	9.50	▲	●	

▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order




Special Design Inserts  
—  
非标异形刀片

**F** 非标异形刀片  
Special Design Inserts

非标异形刀片 Special Design Inserts


产品 Inserts Shape	型号 Type	尺寸 Dimensions ( mm )				可选牌号 Grade for Choice		应用 Application
		长度L	宽度W	内孔Φd	刀尖圆角r	KT1300	KT3220	
	LNMT402514K-SK	40.00	25.40	9.20	1.4	▲	●	粗加工 For roughing
	LNMT502514K-SK	50.00	25.40	9.20	1.4	▲	●	
	LNMG2006K-E	50.00	25.40	9.20	1.4	▲	●	粗加工 For roughing


产品 Inserts Shape	型号 Type	尺寸 Dimensions ( mm )				可选牌号 Grade for Choice		应用 Application
		I.W.	高度H	长度L	Ød	KT8200	KT8300	
	LNKX 0912-V	6.00	9.00	12.00	4.4	▲	●	通用 For common maching
	LNKX 0921-V	6.00	9.00	21.00	4.4	▲	●	


产品 Inserts Shape	型号 Type	尺寸 Dimensions ( mm )				可选牌号 Grade for Choice			应用 Application
		长度L	宽度W	高度H	最大切深 Cutting depth	KT1300	KT1330	KT3220	
	LNGG 3108K-ER	31	12	7.5	2	▲		●	粗加工 For roughing
	LNGG 3712K-ER	37	17.8	12	2	▲		●	
	LNGG 3712K-MR	37	17.8	12	2	▲		●	

▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order

非标异形刀片 Special Design Inserts

产品 Inserts Shape	型号 Type	尺寸 Dimensions ( mm )				可选牌号 Grade for Choice		应用 Application
		ØI.C	高度H	内孔Φd	刀尖圆角r	KT1300	KT3220	
	TNMX1106K-Z	15.875	6.35	6.35	1.6	▲	●	粗加工 For roughing
	TNMX1509K-Z	22.225	9.52	7.94	1.6	▲	●	
	TNMX1509K-C	22.225	9.72	7.94	1.6	▲	●	

产品 Inserts Shape	型号 Type	尺寸 Dimensions ( mm )				可选牌号 Grade for Choice			应用 Application
		ØI.C	高度H	内孔Ød	刀尖圆角r	KT1300	KT3220		
	TNMX1108-YP	22	8	7	1.6	▲	●		通用 Currency

产品 Inserts Shape	型号 Type	尺寸 Dimensions ( mm )				可选牌号 Grade for Choice			应用 Application
		ØI.C	高度H	内孔Ød	最大切深 Cutting depth	KT1300	KT1330	KT3220	
	RNMH 2509K-RR	25.4	9.5	9.12	3	▲		●	粗加工 For roughing
	RNGH 3812K-RR	38.1	12.7	12.8	4	▲		●	

▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order



Carbide Rods and Solid Carbide End Mill

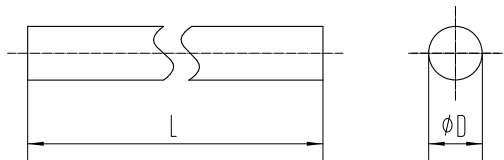
圆棒和立铣刀

---

**G** 圆棒和立铣刀  
Carbide Rods  
and Solid Carbide End Mill

---

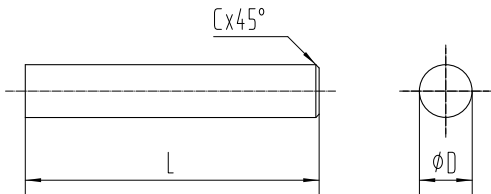
实心金属陶瓷圆棒毛坯 Blank Solid Cermet Rods



规格 Specifications	尺寸范围 Dimensions(mm)			
	直径 Diameter	直径公差 Diameter tolerance	长度 Length	长度公差 Length tolerance
Φ 3*50	3	+0.20~+0.30	50	+1.0/0
Φ 4*50	4	+0.20~+0.30	50	+1.0/0
Φ 4*75	4	+0.20~+0.30	75	+1.0/0
Φ 5*50	5	+0.25~+0.35	50	+1.0/0
Φ 5*75	5	+0.25~+0.35	75	+1.0/0
Φ 6*50	6	+0.25~+0.35	50	+1.0/0
Φ 6*75	6	+0.25~+0.35	75	+1.0/0
Φ 8*60	8	+0.30~+0.40	60	+1.0/0
Φ 8*75	8	+0.30~+0.40	75	+1.0/0
Φ 8*100	8	+0.30~+0.40	100	+2.0/0
Φ 10*75	10	+0.30~+0.40	75	+1.0/0
Φ 10*100	10	+0.30~+0.40	100	+2.0/0
Φ 11*75	11	+0.35~+0.45	75	+1.0/0
Φ 12*75	12	+0.35~+0.45	75	+1.0/0
Φ 12*100	12	+0.35~+0.45	100	+2.0/0
Φ 14*75	14	+0.35~+0.45	75	+1.0/0
Φ 14*100	14	+0.35~+0.45	100	+2.0/0
Φ 16*100	16	+0.35~+0.45	100	+2.0/0

可根据客户需求，定制其他规格的金属陶瓷棒材产品 Customize other specifcatins cermet rods

精磨实心金属陶瓷小圆棒 Fine Grinding Solid Cermet Rods



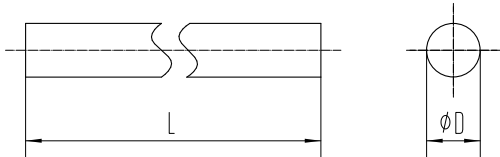
规格 Specifications	尺寸范围 Dimensions(mm)			
	直径 Diameter	直径公差 Diameter tolerance	长度 Length	长度公差 Length tolerance
Φ 1.5*15	1.5	0~-0.008	15	+1.0/0
Φ 2.0*15	2	0~-0.008	15	+1.0/0
Φ 2.5*15	2.5	0~-0.008	15	+1.0/0
Φ 3.0*15	3	0~-0.008	15	+1.0/0
Φ 3.5*15	3.5	0~-0.008	15	+1.0/0
Φ 4.0*15	4	0~-0.010	15	+1.0/0
Φ 4.0*20	4	0~-0.010	20	+1.0/0
Φ 4.5*20	4.5	0~-0.010	20	+1.0/0
Φ 5.0*15	5	0~-0.010	15	+1.0/0
Φ 5.0*20	5	0~-0.010	20	+1.0/0
Φ 5.5*15	5.5	0~-0.010	15	+1.0/0
Φ 5.5*20	5.5	0~-0.010	20	+1.0/0
Φ 6.0*15	6	0~-0.010	15	+1.0/0
Φ 6.0*20	6	0~-0.010	20	+1.0/0
Φ 6.5*15	6.5	0~-0.010	15	+1.0/0
Φ 6.5*20	6.5	0~-0.010	20	+1.0/0
Φ 8.0*15	8	0~-0.010	15	+1.0/0
Φ 8.0*20	8	0~-0.010	20	+1.0/0

可根据客户需求，定制其他规格的金属陶瓷棒材产品 Customize other specifcatins cermet rods



精磨实心金属陶瓷小圆棒

Fine Grinding Solid Cermet Rods



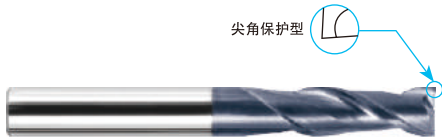
规格 Specifications	尺寸范围 Dimensions(mm)			
	直径 Diameter	直径公差 Diameter tolerance	长度 Length	长度公差 Length tolerance
Φ 3*50	3	0~-0.008	50	+1.0/0
Φ 4*50	4	0~-0.008	50	+1.0/0
Φ 4*75	4	0~-0.008	75	+1.0/0
Φ 5*50	5	0~-0.008	50	+1.0/0
Φ 5*75	5	0~-0.008	75	+1.0/0
Φ 6*50	6	0~-0.010	50	+1.0/0
Φ 6*75	6	0~-0.010	75	+1.0/0
Φ 8*60	8	0~-0.010	60	+1.0/0
Φ 8*75	8	0~-0.010	75	+1.0/0
Φ 8*100	8	0~-0.010	100	+1.0/0
Φ 10*75	10	0~-0.010	75	+1.0/0
Φ 10*100	10	0~-0.010	100	+1.0/0
Φ 11*75	11	0~-0.013	75	+1.0/0
Φ 12*75	12	0~-0.013	75	+1.0/0
Φ 12*100	12	0~-0.013	100	+1.0/0
Φ 14*75	14	0~-0.013	75	+1.0/0
Φ 14*100	14	0~-0.013	100	+1.0/0
Φ 16*100	16	0~-0.013	100	+1.0/0

可根据客户需求，定制其他规格的金属陶瓷棒材产品 Customize other specificatins cermet rods

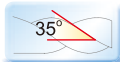
二刃直柄平头立铣刀

Two Flutes Square Endmill

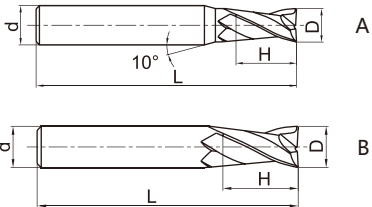
KGM-2E



● 最适宜沟槽铣削。  
Suitable for Groove Milling



● 适用范围广泛。  
Wide Range of Applications



订货号 Specifications	基本尺寸 Dimensions (mm)				齿数 Number of teeth Z	形式 Inserts Shape	库存 Stock
	D	d	H	L			
KGM-2E-D1.0S	1.0	4	3	50	2	A	●
KGM-2E-D1.5S	1.5	4	4	50	2	A	●
KGM-2E-D2.0S	2.0	4	6	50	2	A	●
KGM-2E-D2.5S	2.5	4	8	50	2	A	●
KGM-2E-D3.0S	3.0	4	8	50	2	A	●
KGM-2E-D4.0S	4.0	4	11	50	2	B	●
KGM-2E-D1.0	1.0	6	3	50	2	A	●
KGM-2E-D1.5	1.5	6	4	50	2	A	●
KGM-2E-D2.0	2.0	6	6	50	2	A	●
KGM-2E-D2.5	2.5	6	8	50	2	A	●
KGM-2E-D3.0	3.0	6	8	50	2	A	●
KGM-2E-D3.5	3.5	6	10	50	2	A	●
KGM-2E-D4.0	4.0	6	11	50	2	A	●
KGM-2E-D4.5	4.5	6	11	50	2	A	●
KGM-2E-D5.0	5.0	6	13	50	2	A	●
KGM-2E-D5.5	5.5	6	16	50	2	A	●
KGM-2E-D6.0	6.0	6	16	50	2	B	●
KGM-2E-D7.0	7.0	8	20	60	2	A	●
KGM-2E-D8.0	8.0	8	20	60	2	B	●
KGM-2E-D9.0	9.0	10	22	75	2	A	●
KGM-2E-D10.0	10.0	10	25	75	2	B	●
KGM-2E-D11.0	11.0	12	26	75	2	A	●
KGM-2E-D12.0	12.0	12	30	75	2	B	●
KGM-2E-D14.0	14.0	14	32	75	2	B	●
KGM-2E-D16.0	16.0	16	45	100	2	B	●
KGM-2E-D18.0	18.0	18	45	100	2	B	●
KGM-2E-D20.0	20.0	20	45	100	2	B	●

● 推荐型号 Recommended type ○ 按订单生产 Make-to-order

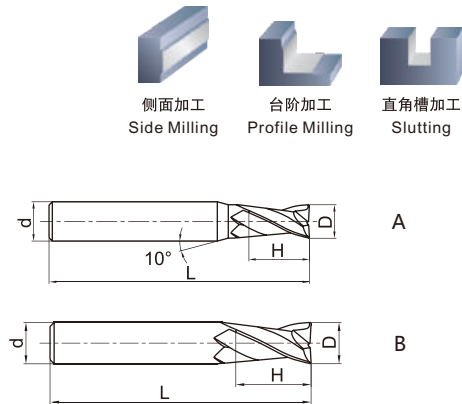
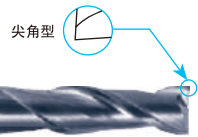
被加工材料适用表 Applicable materials for processing ○非常适合 Very suitable ○适合 Suitable

被加工材料 Processed Materials											
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢Pre-hardened steel Hardened steel				不锈钢 Stainless steel	铸铁 Castiron 球墨铸铁 Ductile iron	铜合金 Copper alloy	铝合金 Aluminum alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
○	○	○	○			○	○				

二刃直柄平头立铣刀

Two Flutes Square Endmill

KGM-2F



- 最适宜沟槽铣削。 Suitable for Groove Milling
- 适用范围广泛。 Wide Range of Applications



订货号 Specifications	基本尺寸 Dimensions (mm)				齿数 Number of teeth Z	形式 Inserts Shape	库存 Stock
	D	d	H	L			
KGM-2F-D1.0S	1.0	4	3	50	2	A	○
KGM-2F-D1.5S	1.5	4	4	50	2	A	○
KGM-2F-D2.0S	2.0	4	6	50	2	A	○
KGM-2F-D2.5S	2.5	4	8	50	2	A	○
KGM-2F-D3.0S	3.0	4	8	50	2	A	○
KGM-2F-D4.0S	4.0	4	11	50	2	B	○
KGM-2F-D1.0	1.0	6	3	50	2	A	○
KGM-2F-D1.5	1.5	6	4	50	2	A	○
KGM-2F-D2.0	2.0	6	6	50	2	A	○
KGM-2F-D2.5	2.5	6	8	50	2	A	○
KGM-2F-D3.0	3.0	6	8	50	2	A	○
KGM-2F-D3.5	3.5	6	10	50	2	A	○
KGM-2F-D4.0	4.0	6	11	50	2	A	○
KGM-2F-D4.5	4.5	6	11	50	2	A	○
KGM-2F-D5.0	5.0	6	13	50	2	A	○
KGM-2F-D5.5	5.5	6	16	50	2	A	○
KGM-2F-D6.0	6.0	6	16	50	2	B	○
KGM-2F-D7.0	7.0	8	20	60	2	A	○
KGM-2F-D8.0	8.0	8	20	60	2	B	○
KGM-2F-D9.0	9.0	10	22	75	2	A	○
KGM-2F-D10.0	10.0	10	25	75	2	B	○
KGM-2F-D11.0	11.0	12	26	75	2	A	○
KGM-2F-D12.0	12.0	12	30	75	2	B	○
KGM-2F-D14.0	14.0	14	32	75	2	B	○
KGM-2F-D16.0	16.0	16	45	100	2	B	○
KGM-2F-D18.0	18.0	18	45	100	2	B	○
KGM-2F-D20.0	20.0	20	45	100	2	B	○

● 推荐型号 Recommended type ○ 按订单生产 Make-to-order

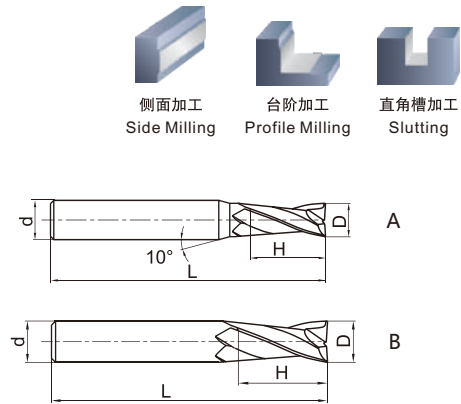
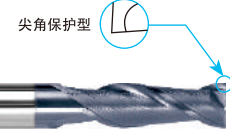
被加工材料适用表 Applicable materials for processing ○非常合适 Very suitable ○合适 Suitable

被加工材料 Processed Materials											
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢Pre-hardened steel Hardened steel				不锈钢 Stainless steel	铸铁 Castiron 球墨铸铁 Ductile iron	铜合金 Copper alloy	铝合金 Aluminum alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
⊙	⊙	⊙	○			○	⊙				

二刃直柄长刃平头立铣刀

Two Flutes Long CuttingLength Square Endmill

KGM-2EL



- GM™2E的长刃系列° GM-2E Long Cutting Length Series



订货号 Specifications	基本尺寸 Dimensions (mm)				齿数 Number of teeth Z	形式 Inserts Shape	库存 Stock
	D	d	H	L			
KGM-2EL-D3.0	3.0	6	12	75	2	A	●
KGM-2EL-D4.0	4.0	6	15	75	2	A	●
KGM-2EL-D5.0	5.0	6	20	75	2	A	●
KGM-2EL-D6.0	6.0	6	20	75	2	B	●
KGM-2EL-D8.0	8.0	8	25	100	2	B	●
KGM-2EL-D10.0	10.0	10	30	100	2	B	●
KGM-2EL-D12.0	12.0	12	35	100	2	B	●
KGM-2EL-D14.0	14.0	14	40	100	2	B	●
KGM-2EL-D16.0	16.0	16	50	150	2	B	●
KGM-2EL-D20.0	20.0	20	55	150	2	B	●

● 推荐型号 Recommended type ○ 按订单生产 Make-to-order

被加工材料适用表 Applicable materials for processing ○非常合适 Very suitable ○合适 Suitable

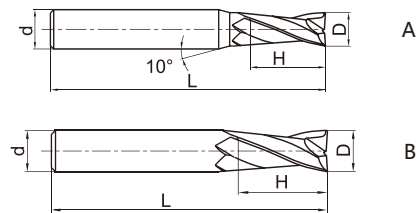
被加工材料 Processed Materials											
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢Pre-hardened steel Hardened steel				不锈钢 Stainless steel	铸铁 Castiron 球墨铸铁 Ductile iron	铜合金 Copper alloy	铝合金 Aluminum alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
○	○	○	○			○	○				

二刃直柄长刃平头立铣刀

Two Flutes Long CuttingLength Square Endmill

KGM-2FL

GM-2F的长刃系列。  
GM-2F Long Cutting Length Series



订货号 Specifications	基本尺寸Dimensions (mm)				齿数 Number of teeth Z	形式 Inserts Shape	库存 Stock
	D	d	H	L			
KGM-2FL-D3.0	3.0	6	12	75	2	A	○
KGM-2FL-D4.0	4.0	6	15	75	2	A	○
KGM-2FL-D5.0	5.0	6	20	75	2	A	○
KGM-2FL-D6.0	6.0	6	20	75	2	B	○
KGM-2FL-D8.0	8.0	8	25	100	2	B	○
KGM-2FL-D10.0	10.0	10	30	100	2	B	○
KGM-2FL-D12.0	12.0	12	35	100	2	B	○
KGM-2FL-D14.0	14.0	14	40	100	2	B	○
KGM-2FL-D16.0	16.0	16	50	150	2	B	○
KGM-2FL-D20.0	20.0	20	55	150	2	B	○

● 推荐型号 Recommended type ○ 按订单生产 Make-to-order

被加工材料适用表 Applicable materials for processing ○非常合适 Very suitable ○合适 Suitable

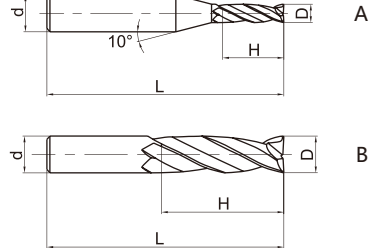
被加工材料 Processed Materials											
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢Pre-hardened steel Hardened steel				不锈钢 Stainless steel	铸铁 Castiron 球墨铸铁 Ductile iron	铜合金 Copper alloy	铝合金 Aluminum alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
○	○	○	○			○	○				

二刃直柄特长刃平头立铣

Two Flutes Long CuttingLength Square Endmill

KGM-2EX

超长刃设计，适合深侧壁加工。  
GM-2E Long Cutting Length Series



订货号 Specifications	基本尺寸Dimensions (mm)				齿数 Number of teeth Z	形式 Inserts Shape	库存 Stock
	D	d	H	L			
KGM-2EX-D3.0	3.0	6	20	75	2	A	○
KGM-2EX-D4.0	4.0	6	25	75	2	A	○
KGM-2EX-D5.0	5.0	6	30	75	2	A	○
KGM-2EX-D6.0	6.0	6	30	75	2	B	○
KGM-2EX-D8.0	8.0	8	40	100	2	B	○
KGM-2EX-D10.0	10.0	10	50	110	2	B	○
KGM-2EX-D12.0	12.0	12	50	110	2	B	○
KGM-2EX-D16.0	16.0	16	70	150	2	B	○
KGM-2EX-D20.0	20.0	20	75	150	2	B	○

● 推荐型号 Recommended type ○ 按订单生产 Make-to-order

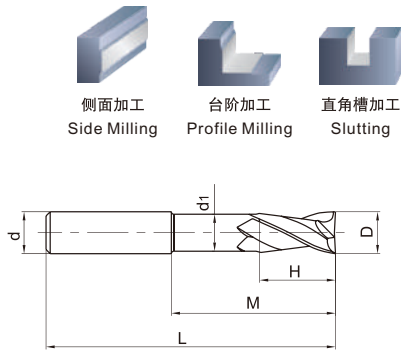
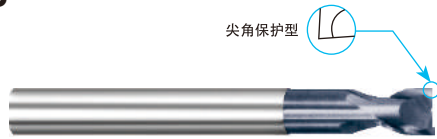
被加工材料适用表 Applicable materials for processing ○非常合适 Very suitable ○合适 Suitable

被加工材料 Processed Materials											
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢Pre-hardened steel Hardened steel				不锈钢 Stainless steel	铸铁 Castiron 球墨铸铁 Ductile iron	铜合金 Copper alloy	铝合金 Aluminum alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
○	○	○	○			○	○				

二刃直柄长颈短刃平头立铣刀

Two Flutes Long Neck Short Cutting Length Square Endmill

KGM-2EFP



- 高刚性短刃设计, 适用于重切削, 也可用于深型腔的铣削加工。  
Short cutting length design for heavy cutting and deep cavity milling



订货号 Specifications	基本尺寸 Dimensions (mm)						齿数 Number of teeth Z	库存 Stock
	D	d	H	M	d <sub>1</sub>	L		
KGM-2EFP-D6.0	6.0	6	9	30	5.8	75	2	○
KGM-2EFP-D8.0	8.0	8	12	40	7.8	100	2	○
KGM-2EFP-D10.0	10.0	10	15	50	9.6	100	2	○
KGM-2EFP-D12.0	12.0	12	18	50	11.5	100	2	○
KGM-2EFP-D16.0	16.0	16	24	50	15.5	150	2	○
KGM-2EFP-D20.0	20.0	20	30	60	19.5	150	2	○

● 推荐型号 Recommended type ○ 按订单生产 Make-to-order

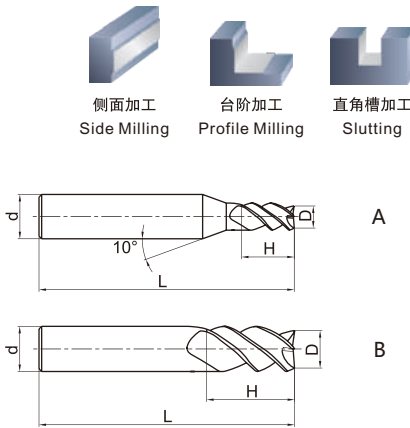
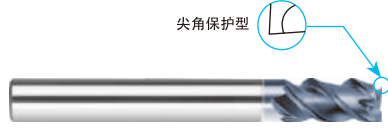
被加工材料适用表 Applicable materials for processing

被加工材料 Processed Materials											
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢Pre-hardened steel Hardened steel				不锈钢 Stainless steel	铸铁 Castiron 球墨铸铁 Ductile iron	铜合金 Copper alloy	铝合金 Aluminum alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
○	○	○	○			○	○				

三刃直柄平头立铣刀

Three Flutes Square Endmill

KGM-3E



- 优异的抗振性能, 可实现槽铣、侧铣、钻铣多种加工。  
Excellent anti-vibration performance, suitable for slot milling, side milling and drilling



订货号 Specifications	基本尺寸 Dimensions (mm)				齿数 Number of teeth Z	形式 Inserts Shape	库存 Stock
	D	d	H	L			
KGM-3E-D1.0S	1.0	4	3	50	3	A	○
KGM-3E-D1.5S	1.5	4	4	50	3	A	○
KGM-3E-D2.0S	2.0	4	6	50	3	A	○
KGM-3E-D2.5S	2.5	4	8	50	3	A	○
KGM-3E-D3.0S	3.0	4	8	50	3	A	○
KGM-3E-D4.0S	4.0	4	11	50	3	B	○
KGM-3E-D1.0	1.0	6	3	50	3	A	○
KGM-3E-D1.5	1.5	6	4	50	3	A	○
KGM-3E-D2.0	2.0	6	6	50	3	A	○
KGM-3E-D2.5	2.5	6	8	50	3	A	○
KGM-3E-D3.0	3.0	6	8	50	3	A	○
KGM-3E-D3.5	3.5	6	10	50	3	A	○
KGM-3E-D4.0	4.0	6	11	50	3	A	○
KGM-3E-D4.5	4.5	6	11	50	3	A	○
KGM-3E-D5.0	5.0	6	13	50	3	A	○
KGM-3E-D5.5	5.5	6	16	50	3	A	○
KGM-3E-D6.0	6.0	6	16	50	3	B	○
KGM-3E-D7.0	7.0	8	20	60	3	A	○
KGM-3E-D8.0	8.0	8	20	60	3	B	○
KGM-3E-D9.0	9.0	10	22	75	3	A	○
KGM-3E-D10.0	10.0	10	25	75	3	B	○
KGM-3E-D11.0	11.0	12	26	75	3	A	○
KGM-3E-D12.0	12.0	12	30	75	3	B	○
KGM-3E-D14.0	14.0	14	32	75	3	B	○
KGM-3E-D16.0	16.0	16	45	100	3	B	○
KGM-3E-D18.0	18.0	18	45	100	3	B	○
KGM-3E-D20.0	20.0	20	45	100	3	B	○

● 推荐型号 Recommended type ○ 按订单生产 Make-to-order

被加工材料适用表 Applicable materials for processing

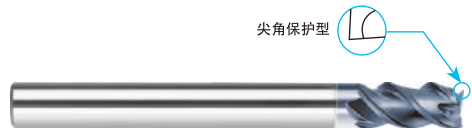
被加工材料 Processed Materials											
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢Pre-hardened steel Hardened steel				不锈钢 Stainless steel	铸铁 Castiron 球墨铸铁 Ductile iron	铜合金 Copper alloy	铝合金 Aluminum alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
⊙	⊙	⊙	○			○	⊙				



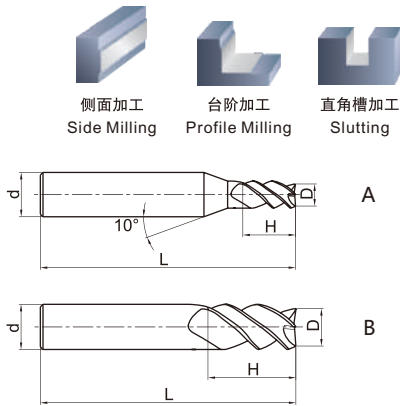
三刃直柄长刃平头立铣刀

Three Flutes Long Cutting Length Square Endmill

KGM-3EL



GM-3E的长刃系列。  
GM-3E Long Cutting Length Series



订货号 Specifications	基本尺寸 Dimensions (mm)				齿数 Number of teeth Z	形式 Inserts Shape	库存 Stock
	D	d	H	L			
KGM-3EL-D3.0	3.0	6	12	75	3	A	○
KGM-3EL-D4.0	4.0	6	15	75	3	A	○
KGM-3EL-D5.0	5.0	6	20	75	3	A	○
KGM-3EL-D6.0	6.0	6	20	75	3	B	○
KGM-3EL-D8.0	8.0	8	25	100	3	B	○
KGM-3EL-D10.0	10.0	10	30	100	3	B	○
KGM-3EL-D12.0	12.0	12	35	100	3	B	○
KGM-3EL-D14.0	14.0	14	40	100	3	B	○
KGM-3EL-D16.0	16.0	16	50	150	3	B	○
KGM-3EL-D20.0	20.0	20	55	150	3	B	○

● 推荐型号 Recommended type ○ 按订单生产 Make-to-order

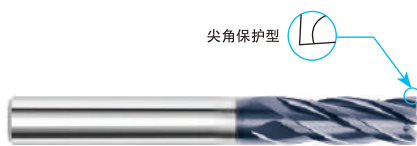
被加工材料适用表 Applicable materials for processing ○ 非常适合 Very suitable ○ 适合 Suitable

被加工材料 Processed Materials											
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢Pre-hardened steel Hardened steel				不锈钢 Stainless steel	铸铁 Castiron 球墨铸铁 Ductile iron	铜合金 Copper alloy	铝合金 Aluminum alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
○	○	○	○			○	○				

四刃直柄平头立铣

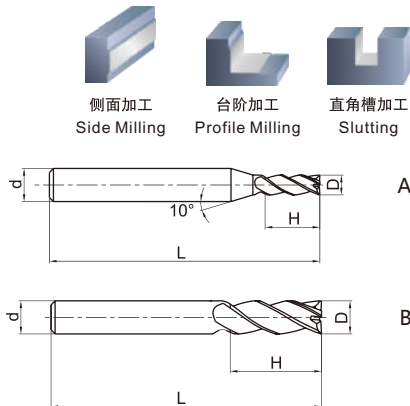
Four Flutes Square Endmill

KGM-4E-G



最适宜侧面铣削。  
Suitable for Side Milling

适用范围广泛。  
Wide range of applications



订货号 Specifications	基本尺寸 Dimensions (mm)				齿数 Number of teeth Z	形式 Inserts Shape	库存 Stock
	D	d	H	L			
KGM-4E-D1.0S-G	1.0	4	3	50	4	A	●
KGM-4E-D1.5S-G	1.5	4	4	50	4	A	●
KGM-4E-D2.0S-G	2.0	4	6	50	4	A	●
KGM-4E-D2.5S-G	2.5	4	8	50	4	A	●
KGM-4E-D3.0S-G	3.0	4	8	50	4	A	●
KGM-4E-D4.0S-G	4.0	4	11	50	4	B	●
KGM-4E-D1.0-G	1.0	6	3	50	4	A	●
KGM-4E-D1.5-G	1.5	6	4	50	4	A	●
KGM-4E-D2.0-G	2.0	6	6	50	4	A	●
KGM-4E-D2.5-G	2.5	6	8	50	4	A	●
KGM-4E-D3.0-G	3.0	6	8	50	4	A	●
KGM-4E-D3.5-G	3.5	6	10	50	4	A	●
KGM-4E-D4.0-G	4.0	6	11	50	4	A	●
KGM-4E-D4.5-G	4.5	6	11	50	4	A	●
KGM-4E-D5.0-G	5.0	6	13	50	4	A	●
KGM-4E-D5.5-G	5.5	6	16	50	4	A	●
KGM-4E-D6.0-G	6.0	6	16	50	4	B	●
KGM-4E-D7.0-G	7.0	8	20	60	4	A	●
KGM-4E-D8.0-G	8.0	8	20	60	4	B	●
KGM-4E-D9.0-G	9.0	10	22	75	4	A	●
KGM-4E-D10.0-G	10.0	10	25	75	4	B	●
KGM-4E-D11.0-G	11.0	12	26	75	4	A	●
KGM-4E-D12.0-G	12.0	12	30	75	4	B	●
KGM-4E-D14.0-G	14.0	14	32	75	4	B	●
KGM-4E-D16.0-G	16.0	16	45	100	4	B	●
KGM-4E-D18.0-G	18.0	18	45	100	4	B	●
KGM-4E-D20.0-G	20.0	20	45	100	4	B	●

● 推荐型号 Recommended type ○ 按订单生产 Make-to-order

被加工材料适用表 Applicable materials for processing ○ 非常适合 Very suitable ○ 适合 Suitable

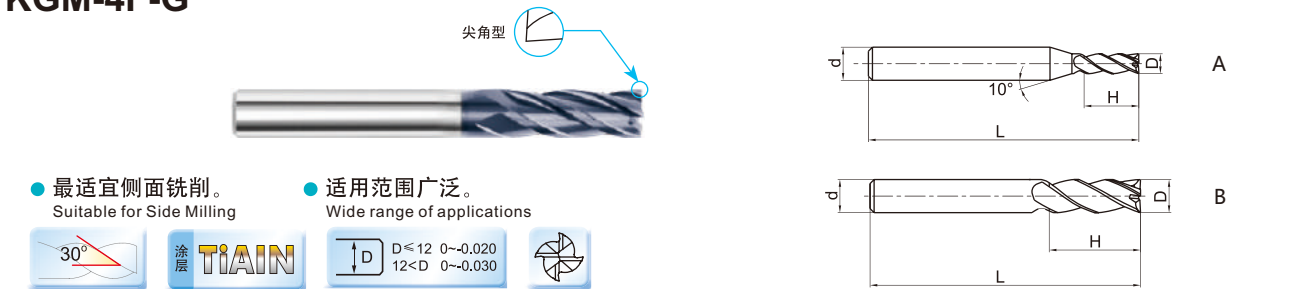
被加工材料 Processed Materials											
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢Pre-hardened steel Hardened steel				不锈钢 Stainless steel	铸铁 Castiron 球墨铸铁 Ductile iron	铜合金 Copper alloy	铝合金 Aluminum alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
○	○	○	○			○	○				



四刃直柄平头立铣刀

Four Flutes Square Endmill

KGM-4F-G



- 最适宜侧面铣削。 Suitable for Side Milling
- 适用范围广泛。 Wide range of applications

订货号 Specifications	基本尺寸 Dimensions (mm)				齿数 Number of teeth Z	形式 Inserts Shape	库存 Stock
	D	d	H	L			
KGM-4F-D1.0S-G	1.0	4	3	50	4	A	○
KGM-4F-D1.5S-G	1.5	4	4	50	4	A	○
KGM-4F-D2.0S-G	2.0	4	6	50	4	A	○
KGM-4F-D2.5S-G	2.5	4	8	50	4	A	○
KGM-4F-D3.0S-G	3.0	4	8	50	4	A	○
KGM-4F-D4.0S-G	4.0	4	11	50	4	B	○
KGM-4F-D1.0-G	1.0	6	3	50	4	A	○
KGM-4F-D1.5-G	1.5	6	4	50	4	A	○
KGM-4F-D2.0-G	2.0	6	6	50	4	A	○
KGM-4F-D2.5-G	2.5	6	8	50	4	A	○
KGM-4F-D3.0-G	3.0	6	8	50	4	A	○
KGM-4F-D3.5-G	3.5	6	10	50	4	A	○
KGM-4F-D4.0-G	4.0	6	11	50	4	A	○
KGM-4F-D4.5-G	4.5	6	11	50	4	A	○
KGM-4F-D5.0-G	5.0	6	13	50	4	A	○
KGM-4F-D5.5-G	5.5	6	16	50	4	A	○
KGM-4F-D6.0-G	6.0	6	16	50	4	B	○
KGM-4F-D7.0-G	7.0	8	20	60	4	A	○
KGM-4F-D8.0-G	8.0	8	20	60	4	B	○
KGM-4F-D9.0-G	9.0	10	22	75	4	A	○
KGM-4F-D10.0-G	10.0	10	25	75	4	B	○
KGM-4F-D11.0-G	11.0	12	26	75	4	A	○
KGM-4F-D12.0-G	12.0	12	30	75	4	B	○
KGM-4F-D14.0-G	14.0	14	32	75	4	B	○
KGM-4F-D16.0-G	16.0	16	45	100	4	B	○
KGM-4F-D18.0-G	18.0	18	45	100	4	B	○
KGM-4F-D20.0-G	20.0	20	45	100	4	B	○

● 推荐型号 Recommended type ○ 按订单生产 Make-to-order

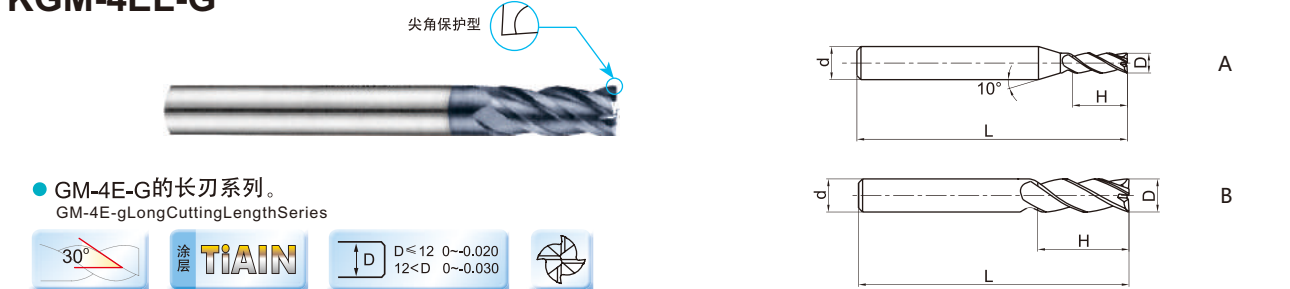
被加工材料适用表 Applicable materials for processing ○非常合适 Very suitable ○合适 Suitable

被加工材料 Processed Materials											
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢Pre-hardened steel Hardened steel				不锈钢 Stainless steel	铸铁 Castiron 球墨铸铁 Ductile iron	铜合金 Copper alloy	铝合金 Aluminum alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
○	○	○	○			○	○				

四刃直柄长刃平头立铣刀

Four Flutes Long Cutting Length Square Endmill

KGM-4EL-G



- GM-4E-G的长刃系列。 GM-4E-gLongCuttingLengthSeries

订货号 Specifications	基本尺寸 Dimensions (mm)				齿数 Number of teeth Z	形式 Inserts Shape	库存 Stock
	D	d	H	L			
KGM-4EL-D3.0-G	3.0	6	12	75	4	A	○
KGM-4EL-D4.0-G	4.0	6	15	75	4	A	○
KGM-4EL-D5.0-G	5.0	6	20	75	4	A	○
KGM-4EL-D6.0-G	6.0	6	20	75	4	B	○
KGM-4EL-D8.0-G	8.0	8	25	100	4	B	○
KGM-4EL-D10.0-G	10.0	10	30	100	4	B	○
KGM-4EL-D12.0-G	12.0	12	35	100	4	B	○
KGM-4EL-D14.0-G	14.0	14	40	100	4	B	○
KGM-4EL-D16.0-G	16.0	16	50	150	4	B	○
KGM-4EL-D20.0-G	20.0	20	55	150	4	B	○

● 推荐型号 Recommended type ○ 按订单生产 Make-to-order

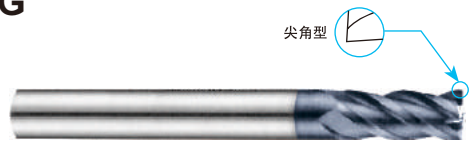
被加工材料适用表 Applicable materials for processing ○非常合适 Very suitable ○合适 Suitable

被加工材料 Processed Materials											
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢Pre-hardened steel Hardened steel				不锈钢 Stainless steel	铸铁 Castiron 球墨铸铁 Ductile iron	铜合金 Copper alloy	铝合金 Aluminum alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
○	○	○	○			○	○				

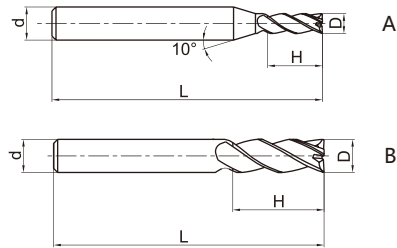
四刃直柄长刃平头立铣刀

Four Flutes Long Cutting Length Square Endmill

KGM-4FL-G



GM-4F-G的长刃系列。  
GM-4E-G Long Cutting Length Series



订货号 Specifications	基本尺寸 Dimensions (mm)				齿数 Number of teeth Z	形式 Inserts Shape	库存 Stock
	D	d	H	L			
KGM-4FL-D3.0-G	3.0	6	12	75	4	A	○
KGM-4FL-D4.0-G	4.0	6	15	75	4	A	○
KGM-4FL-D5.0-G	5.0	6	20	75	4	A	○
KGM-4FL-D6.0-G	6.0	6	20	75	4	B	○
KGM-4FL-D8.0-G	8.0	8	25	100	4	B	○
KGM-4FL-D10.0-G	10.0	10	30	100	4	B	○
KGM-4FL-D12.0-G	12.0	12	35	100	4	B	○
KGM-4FL-D14.0-G	14.0	14	40	100	4	B	○
KGM-4FL-D16.0-G	16.0	16	50	150	4	B	○
KGM-4FL-D20.0-G	20.0	20	55	150	4	B	○

● 推荐型号 Recommended type ○ 按订单生产 Make-to-order

被加工材料适用表 Applicable materials for processing ○非常合适 Very suitable ○合适 Suitable

被加工材料 Processed Materials											
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢Pre-hardened steel Hardened steel				不锈钢 Stainless steel	铸铁 Cast iron 球墨铸铁 Ductile iron	铜合金 Copper alloy	铝合金 Aluminum alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
○	○	○	○			○	○				

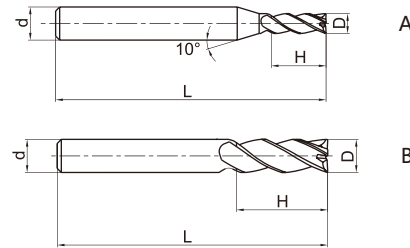
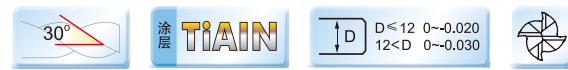
四刃直柄特长刃平头立铣刀

Four Flutes Super Long Cutting Length Square Endmill

KGM-4EX-G



超长刃设计，适合深侧壁的加工。  
Super long cutting length design, suitable for deep side milling



订货号 Specifications	基本尺寸 Dimensions (mm)				齿数 Number of teeth Z	形式 Inserts Shape	库存 Stock
	D	d	H	L			
KGM-4EX-D3.0-G	3.0	6	20	75	4	A	○
KGM-4EX-D4.0-G	4.0	6	25	75	4	A	○
KGM-4EX-D5.0-G	5.0	6	30	75	4	A	○
KGM-4EX-D6.0-G	6.0	6	30	75	4	B	○
KGM-4EX-D8.0-G	8.0	8	40	100	4	B	○
KGM-4EX-D10.0-G	10.0	10	50	110	4	B	○
KGM-4EX-D12.0-G	12.0	12	50	110	4	B	○
KGM-4EX-D16.0-G	16.0	16	70	150	4	B	○
KGM-4EX-D20.0-G	20.0	20	75	150	4	B	○

● 推荐型号 Recommended type ○ 按订单生产 Make-to-order

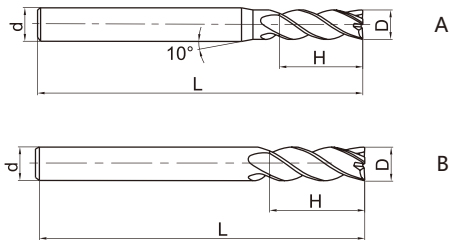
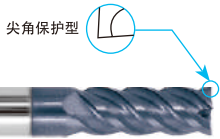
被加工材料适用表 Applicable materials for processing ○非常合适 Very suitable ○合适 Suitable

被加工材料 Processed Materials											
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢Pre-hardened steel Hardened steel				不锈钢 Stainless steel	铸铁 Castiron 球墨铸铁 Ductile iron	铜合金 Copper alloy	铝合金 Aluminum alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
○	○	○	○			○	○				

四刃直柄平头立铣刀

Four Flutes Square Endmill

KGM-4E



- 最适宜侧面铣削，浅槽加工。 Suitable for side milling, shallow grooving
- 适用范围广泛。 Wide range of applications



订货号 Specifications	基本尺寸 Dimensions (mm)				齿数 Number of teeth Z	形式 Inserts Shape	库存 Stock
	D	d	H	L			
KGM-4E-D1.0S	1.0	4	3	50	4	A	●
KGM-4E-D1.5S	1.5	4	4	50	4	A	●
KGM-4E-D2.0S	2.0	4	6	50	4	A	●
KGM-4E-D2.5S	2.5	4	8	50	4	A	●
KGM-4E-D3.0S	3.0	4	8	50	4	A	●
KGM-4E-D4.0S	4.0	4	11	50	4	B	●
KGM-4E-D1.0	1.0	6	3	50	4	A	●
KGM-4E-D1.5	1.5	6	4	50	4	A	●
KGM-4E-D2.0	2.0	6	6	50	4	A	●
KGM-4E-D2.5	2.5	6	8	50	4	A	●
KGM-4E-D3.0	3.0	6	8	50	4	A	●
KGM-4E-D3.5	3.5	6	10	50	4	A	●
KGM-4E-D4.0	4.0	6	11	50	4	A	●
KGM-4E-D4.5	4.5	6	11	50	4	A	●
KGM-4E-D5.0	5.0	6	13	50	4	A	●
KGM-4E-D5.5	5.5	6	16	50	4	A	●
KGM-4E-D6.0	6.0	6	16	50	4	B	●
KGM-4E-D7.0	7.0	8	20	60	4	A	●
KGM-4E-D8.0	8.0	8	20	60	4	B	●
KGM-4E-D9.0	9.0	10	22	75	4	A	●
KGM-4E-D10.0	10.0	10	25	75	4	B	●
KGM-4E-D11.0	11.0	12	26	75	4	A	●
KGM-4E-D12.0	12.0	12	30	75	4	B	●
KGM-4E-D14.0	14.0	14	32	75	4	B	●
KGM-4E-D16.0	16.0	16	45	100	4	B	●
KGM-4E-D18.0	18.0	18	45	100	4	B	●
KGM-4E-D20.0	20.0	20	45	100	4	B	●

● 推荐型号 Recommended type ○ 按订单生产 Make-to-order

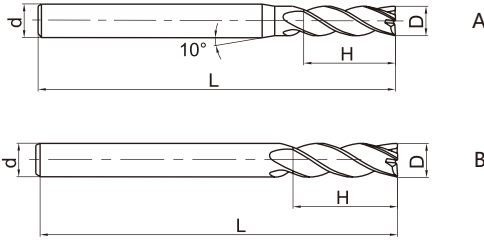
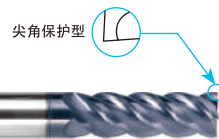
被加工材料适用表 Applicable materials for processing ○ 非常适合 Very suitable ○ 适合 Suitable

被加工材料 Processed Materials											
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢Pre-hardened steel Hardened steel				不锈钢 Stainless steel	铸铁 Cast iron 球墨铸铁 Ductile iron	铜合金 Copper alloy	铝合金 Aluminum alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
○	○	○	○			○	○				

四刃直柄长刃平头立铣刀

Four Flutes Long Cutting Length Square Endmill

KGM-4EL



- GM-4E的长刃系列。 GM-4E Long Cutting Length Series



订货号 Specifications	基本尺寸 Dimensions (mm)				齿数 Number of teeth Z	形式 Inserts Shape	库存 Stock
	D	d	H	L			
KGM-4EL-D3.0	3.0	6	12	75	4	A	●
KGM-4EL-D4.0	4.0	6	15	75	4	A	●
KGM-4EL-D5.0	5.0	6	20	75	4	A	●
KGM-4EL-D6.0	6.0	6	20	75	4	B	●
KGM-4EL-D8.0	8.0	8	25	100	4	B	●
KGM-4EL-D10.0	10.0	10	30	100	4	B	●
KGM-4EL-D12.0	12.0	12	35	100	4	B	●
KGM-4EL-D14.0	14.0	14	40	100	4	B	●
KGM-4EL-D16.0	16.0	16	50	150	4	B	●
KGM-4EL-D20.0	20.0	20	55	150	4	B	●

● 推荐型号 Recommended type ○ 按订单生产 Make-to-order

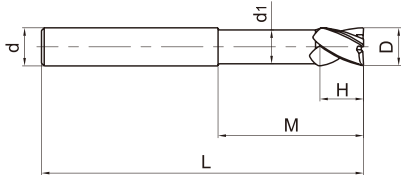
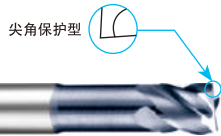
被加工材料适用表 Applicable materials for processing ○ 非常适合 Very suitable ○ 适合 Suitable

被加工材料 Processed Materials											
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢Pre-hardened steel Hardened steel				不锈钢 Stainless steel	铸铁 Castiron 球墨铸铁 Ductile iron	铜合金 Copper alloy	铝合金 Aluminum alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
○	○	○	○			○	○				

四刃直柄长颈短刃平头立铣刀

Four Flutes Long Neck Short Cutting Length Square Endmill

KGM-4EFP



- 高刚性短刃设计，适用于重切削，也可用于深型腔的铣削加工。  
Short cutting length design, suitable for heavy cutting and deep cavity milling



订货号 Specifications	基本尺寸 Dimensions (mm)						齿数 Number of teeth Z	库存 Stock
	D	d	H	M	d <sub>1</sub>	L		
KGM-4EFP-D6.0	6.0	6	9	30	5.8	75	4	○
KGM-4EFP-D8.0	8.0	8	12	40	7.8	100	4	○
KGM-4EFP-D10.0	10.0	10	15	50	9.6	100	4	○
KGM-4EFP-D12.0	12.0	12	18	50	11.5	100	4	○
KGM-4EFP-D16.0	16.0	16	24	50	15.5	150	4	○
KGM-4EFP-D20.0	20.0	20	30	60	19.5	150	4	○

● 推荐型号 Recommended type ○ 按订单生产 Make-to-order

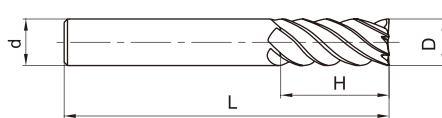
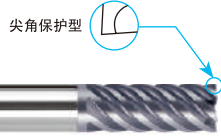
被加工材料适用表 Applicable materials for processing ○ 非常适合 Very suitable ○ 适合 Suitable

被加工材料 Processed Materials											
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢Pre-hardened steel Hardened steel				不锈钢 Stainless steel	铸铁 Castiron 球墨铸铁 Ductile iron	铜合金 Copper alloy	铝合金 Aluminum alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
○	○	○	○			○	○				

六刃直柄平头立铣刀

Six Flutes Square Endmill

KGM-6E



- 刀具刚性好，最适宜侧面精铣加工。 Good rigidity, suitable for side finishing milling
- 可进行高速，大进给加工。 High speed, high feed milling



订货号 Specifications	基本尺寸 Dimensions (mm)				齿数 Number of teeth Z	库存 Stock
	D	d	H	L		
KGM-6E-D6.0	6.0	6	18	60	6	●
KGM-6E-D8.0	8.0	8	20	60	6	●
KGM-6E-D10.0	10.0	10	30	75	6	●
KGM-6E-D12.0	12.0	12	32	75	6	●
KGM-6E-D16.0	16.0	16	40	100	6	●
KGM-6E-D20.0	20.0	20	45	100	6	●

● 推荐型号 Recommended type ○ 按订单生产 Make-to-order

被加工材料适用表 Applicable materials for processing ○ 非常适合 Very suitable ○ 适合 Suitable

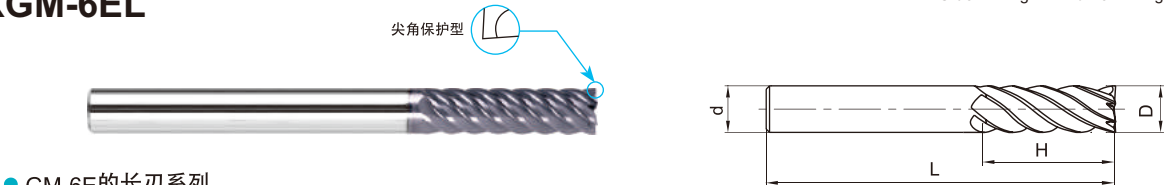
被加工材料 Processed Materials											
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢Pre-hardened steel Hardened steel				不锈钢 Stainless steel	铸铁 Castiron 球墨铸铁 Ductile iron	铜合金 Copper alloy	铝合金 Aluminum alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
○	○	○	○			○	○				



六刃直柄长刃平头立铣刀

Six Flutes Long Cutting Length Square Endmill

KGM-6EL



GM-6E的长刃系列。  
GM-6E long cutting length series



订货号 Specifications	基本尺寸 Dimensions (mm)				齿数 Number of teeth Z	库存 Stock
	D	d	H	L		
KGM-6EL-D6.0	6.0	6	24	75	6	●
KGM-6EL-D8.0	8.0	8	32	75	6	●
KGM-6EL-D10.0	10.0	10	40	100	6	●
KGM-6EL-D12.0	12.0	12	45	100	6	●
KGM-6EL-D16.0	16.0	16	64	150	6	●
KGM-6EL-D20.0	20.0	20	75	150	6	●

● 推荐型号 Recommended type    ○ 按订单生产 Make-to-order

被加工材料适用表    Applicable materials for processing    ○ 非常适合 Very suitable    ○ 适合 Suitable

被加工材料 Processed Materials											
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢Pre-hardened steel Hardened steel				不锈钢 Stainless steel	铸铁 Castiron 球墨铸铁 Ductile iron	铜合金 Copper alloy	铝合金 Aluminum alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
○	○	○	○			○	○				

二刃直柄长颈短刃平头立铣刀

Two Flutes Long Neck Short Cutting Length Square Endmill

KGM-2EP



适用于细槽加工或会产生干涉的细微部分的加工。  
Suitable for fine groove processing



订货号 Specifications	基本尺寸 Dimensions (mm)						齿数 Number of teeth Z	库存 Stock
	D	d	H	M	d1	L		
KGM-2EP-D0.5-M04	0.5	4	0.7	4	0.45	50	2	●
KGM-2EP-D0.5-M06	0.5	4	0.7	6	0.45	50	2	●
KGM-2EP-D0.5-M08	0.5	4	0.7	8	0.45	50	2	●
KGM-2EP-D0.8-M04	0.8	4	1.2	4	0.75	50	2	●
KGM-2EP-D0.8-M06	0.8	4	1.2	6	0.75	50	2	●
KGM-2EP-D0.8-M08	0.8	4	1.2	8	0.75	50	2	●
KGM-2EP-D0.8-M10	0.8	4	1.2	10	0.75	50	2	●
KGM-2EP-D1.0-M04	1.0	4	1.5	4	0.95	50	2	●
KGM-2EP-D1.0-M06	1.0	4	1.5	6	0.95	50	2	●
KGM-2EP-D1.0-M08	1.0	4	1.5	8	0.95	50	2	●
KGM-2EP-D1.0-M10	1.0	4	1.5	10	0.95	50	2	●
KGM-2EP-D1.0-M12	1.0	4	1.5	12	0.95	50	2	●
KGM-2EP-D1.0-M14	1.0	4	1.5	14	0.95	50	2	●
KGM-2EP-D1.2-M06	1.2	4	1.8	6	1.15	50	2	●
KGM-2EP-D1.2-M08	1.2	4	1.8	8	1.15	50	2	●
KGM-2EP-D1.2-M10	1.2	4	1.8	10	1.15	50	2	●
KGM-2EP-D1.2-M12	1.2	4	1.8	12	1.15	50	2	●
KGM-2EP-D1.5-M06	1.5	4	2.3	6	1.45	50	2	●
KGM-2EP-D1.5-M08	1.5	4	2.3	8	1.45	50	2	●
KGM-2EP-D1.5-M10	1.5	4	2.3	10	1.45	50	2	●
KGM-2EP-D1.5-M12	1.5	4	2.3	12	1.45	50	2	●
KGM-2EP-D1.5-M14	1.5	4	2.3	14	1.45	50	2	●
KGM-2EP-D2.0-M06	2.0	4	3.0	6	1.95	50	2	●
KGM-2EP-D2.0-M08	2.0	4	3.0	8	1.95	50	2	●
KGM-2EP-D2.0-M10	2.0	4	3.0	10	1.95	50	2	●
KGM-2EP-D2.0-M12	2.0	4	3.0	12	1.95	50	2	●

● 推荐型号 Recommended type    ○ 按订单生产 Make-to-order

被加工材料适用表    Applicable materials for processing    ○ 非常适合 Very suitable    ○ 适合 Suitable

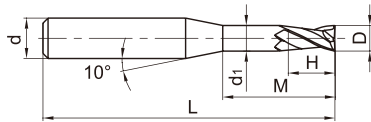
被加工材料 Processed Materials											
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢Pre-hardened steel Hardened steel				不锈钢 Stainless steel	铸铁 Castiron 球墨铸铁 Ductile iron	铜合金 Copper alloy	铝合金 Aluminum alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
○	○	○	○			○	○				



二刃直柄长颈短刃平头立铣刀

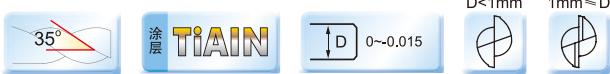
Two Flute sLong Neck Short Cutting Length Square Endmill

KGM-2EP



平头深沟加工  
Flat deep groove processing

- 适用于细槽加工或会产生干涉的细微部分的加工。  
Suitable for fine groove processing



订货号 Specifications	基本尺寸 Dimensions (mm)						齿数 Number of teeth Z	库存 Stock
	D	d	H	M	d <sub>1</sub>	L		
KGM-2EP-D2.0-M14	2.0	4	3.0	14	1.95	50	2	●
KGM-2EP-D2.0-M16	2.0	4	3.0	16	1.95	50	2	●
KGM-2EP-D2.5-M08	2.5	4	3.7	8	2.4	50	2	●
KGM-2EP-D2.5-M10	2.5	4	3.7	10	2.4	50	2	●
KGM-2EP-D2.5-M12	2.5	4	3.7	12	2.4	50	2	●
KGM-2EP-D2.5-M14	2.5	4	3.7	14	2.4	50	2	●
KGM-2EP-D2.5-M16	2.5	4	3.7	16	2.4	60	2	●
KGM-2EP-D2.5-M18	2.5	4	3.7	18	2.4	60	2	●
KGM-2EP-D2.5-M20	2.5	4	3.7	20	2.4	60	2	●
KGM-2EP-D3.0-M06	3.0	6	4.5	6	2.85	50	2	●
KGM-2EP-D3.0-M08	3.0	6	4.5	8	2.85	50	2	●
KGM-2EP-D3.0-M10	3.0	6	4.5	10	2.85	50	2	●
KGM-2EP-D3.0-M12	3.0	6	4.5	12	2.85	50	2	●
KGM-2EP-D3.0-M14	3.0	6	4.5	14	2.85	60	2	●
KGM-2EP-D3.0-M16	3.0	6	4.5	16	2.85	60	2	●
KGM-2EP-D3.0-M18	3.0	6	4.5	18	2.85	60	2	●
KGM-2EP-D3.0-M20	3.0	6	4.5	20	2.85	60	2	●
KGM-2EP-D4.0-M12	4.0	6	6.0	12	3.85	50	2	●
KGM-2EP-D4.0-M16	4.0	6	6.0	16	3.85	60	2	●
KGM-2EP-D4.0-M20	4.0	6	6.0	20	3.85	60	2	●
KGM-2EP-D4.0-M25	4.0	6	6.0	25	3.85	60	2	●
KGM-2EP-D5.0-M16	5.0	6	7.5	16	4.85	60	2	●
KGM-2EP-D5.0-M25	5.0	6	7.5	25	4.85	70	2	●

● 推荐型号 Recommended type ○ 按订单生产 Make-to-order

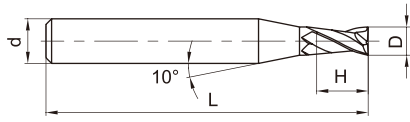
被加工材料适用表 Applicable materials for processing ○ 非常适合 Very suitable ○ 适合 Suitable

被加工材料 Processed Materials											
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢Pre-hardened steel Hardened steel				不锈钢 Stainless steel	铸铁 Castiron 球墨铸铁 Ductile iron	铜合金 Copper alloy	铝合金 Aluminum alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
○	○	○	○			○	○				

二刃直柄微小径平头立铣刀

Two Flutes Miniature Square Endmill

KGM-2ES



侧面加工  
Side Milling



台阶加工  
Profile Milling



直角槽加工  
Slutting

- 微小径铣刀可充分发挥加工中心高速、高精度性能，常用于电子零件等精密零件的加工。



Thehigh-speed,high-precision performance of the machining center can be fully utilized. Commonly used in the processing of precision parts suchas electronic parts

订货号 Specifications	基本尺寸 Dimensions (mm)				齿数 Number of teeth Z	库存 Stock
	D	d	H	L		
KGM-2ES-D0.3	0.3	4	0.6	50	2	●
KGM-2ES-D0.4	0.4	4	0.8	50	2	●
KGM-2ES-D0.5	0.5	4	1.0	50	2	●
KGM-2ES-D0.6	0.6	4	1.2	50	2	●
KGM-2ES-D0.7	0.7	4	1.4	50	2	●
KGM-2ES-D0.8	0.8	4	1.6	50	2	●
KGM-2ES-D0.9	0.9	4	1.8	50	2	●
KGM-2ES-D1.0	1.0	4	2.0	50	2	●
KGM-2ES-D1.1	1.1	4	2.0	50	2	●
KGM-2ES-D1.2	1.2	4	2.5	50	2	●
KGM-2ES-D1.3	1.3	4	2.5	50	2	●
KGM-2ES-D1.4	1.4	4	3.0	50	2	●
KGM-2ES-D1.5	1.5	4	3.0	50	2	●
KGM-2ES-D1.6	1.6	4	3.5	50	2	●
KGM-2ES-D1.7	1.7	4	3.5	50	2	●
KGM-2ES-D1.8	1.8	4	4.0	50	2	●
KGM-2ES-D1.9	1.9	4	4.0	50	2	●
KGM-2ES-D2.0	2.0	4	4.0	50	2	●
KGM-2ES-D2.1	2.1	4	4.0	50	2	●
KGM-2ES-D2.2	2.2	4	4.5	50	2	●
KGM-2ES-D2.3	2.3	4	4.5	50	2	●
KGM-2ES-D2.4	2.4	4	5.0	50	2	●
KGM-2ES-D2.5	2.5	4	5.0	50	2	●
KGM-2ES-D2.6	2.6	4	5.0	50	2	●
KGM-2ES-D2.7	2.7	4	5.5	50	2	●
KGM-2ES-D2.8	2.8	4	5.5	50	2	●
KGM-2ES-D2.9	2.9	4	6.0	50	2	●
KGM-2ES-D3.0	3.0	4	6.0	50	2	●

● 推荐型号 Recommended type ○ 按订单生产 Make-to-order

被加工材料适用表 Applicable materials for processing ○ 非常适合 Very suitable ○ 适合 Suitable

被加工材料 Processed Materials											
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢Pre-hardened steel Hardened steel				不锈钢 Stainless steel	铸铁 Castiron 球墨铸铁 Ductile iron	铜合金 Copper alloy	铝合金 Aluminum alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
○	○	○	○			○	○				

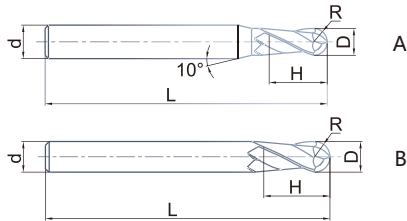
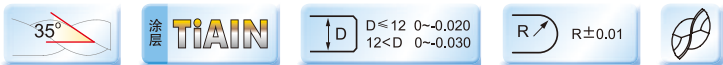
二刃直柄球头立铣刀

Two Flutes Ball Nose Endmill

KGM-2B



- 适用于仿形铣削，可作高速加工。  
Suitable for profile milling, high speed machining
- 适用范围广泛。  
Wide range of applications



订货号 Specifications	基本尺寸 Dimensions (mm)					齿数 Number of teeth Z	形式 Inserts Shape	库存 Stock
	D	R	d	H	L			
KGM-2B-R0.5S	1.0	0.5	4	2	50	2	A	●
KGM-2B-R0.75S	1.5	0.75	4	3	50	2	A	●
KGM-2B-R1.0S	2.0	1.0	4	4	50	2	A	●
KGM-2B-R1.25S	2.5	1.25	4	5	50	2	A	●
KGM-2B-R1.5S	3.0	1.5	4	6	50	2	A	●
KGM-2B-R2.0S	4.0	2.0	4	8	50	2	B	●
KGM-2B-R0.5	1.0	0.5	6	2	50	2	A	●
KGM-2B-R0.75	1.5	0.75	6	3	50	2	A	●
KGM-2B-R1.0	2.0	1.0	6	4	50	2	A	●
KGM-2B-R1.25	2.5	1.25	6	5	50	2	A	●
KGM-2B-R1.5	3.0	1.5	6	6	50	2	A	●
KGM-2B-R1.75	3.5	1.75	6	8	50	2	A	●
KGM-2B-R2.0	4.0	2.0	6	8	50	2	A	●
KGM-2B-R2.5	5.0	2.5	6	10	50	2	A	●
KGM-2B-R2.75	5.5	2.75	6	12	50	2	A	●
KGM-2B-R3.0	6.0	3.0	6	12	50	2	B	●
KGM-2B-R3.5	7.0	3.5	8	14	60	2	B	●
KGM-2B-R4.0	8.0	4.0	8	16	60	2	B	●
KGM-2B-R4.5	9.0	4.5	10	18	75	2	B	●
KGM-2B-R5.0	10	5.0	10	20	75	2	B	●
KGM-2B-R6.0	12	6.0	12	24	75	2	B	●
KGM-2B-R7.0	14	7.0	14	28	75	2	B	●
KGM-2B-R8.0	16	8.0	16	32	100	2	B	●
KGM-2B-R10.0	20	10.0	20	40	100	2	B	●

● 推荐型号 Recommended type ○ 按订单生产 Make-to-order

被加工材料适用表 Applicable materials for processing ○非常合适 Very suitable ○合适 Suitable

被加工材料 Processed Materials											
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢Pre-hardened steel Hardened steel				不锈钢 Stainless steel	铸铁 Castiron 球墨铸铁 Ductile iron	铜合金 Copper alloy	铝合金 Aluminum alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
⊙	⊙	⊙	○			○	⊙				

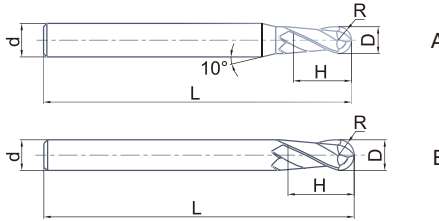
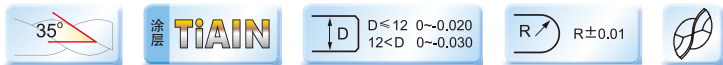
二刃直柄长柄球头立铣刀

Two Flutes Long Shank Ball Nose Endmill

KGM-2BL



- GM-2B的长柄系列。  
GM-2B Long Shank Series



订货号 Specifications	基本尺寸 Dimensions (mm)					齿数 Number of teeth Z	形式 Inserts Shape	库存 Stock
	D	R	d	H	L			
KGM-2BL-R1.0	2.0	1.0	6	4	75	2	A	●
KGM-2BL-R1.25	2.5	1.25	6	5	75	2	A	●
KGM-2BL-R1.5	3.0	1.5	6	6	75	2	A	●
KGM-2BL-R1.75	3.5	1.75	6	8	75	2	A	●
KGM-2BL-R2.0	4.0	2.0	6	8	75	2	A	●
KGM-2BL-R2.5	5.0	2.5	6	10	75	2	A	●
KGM-2BL-R2.75	5.5	2.75	6	12	75	2	A	●
KGM-2BL-R3.0	6.0	3.0	6	12	75	2	B	●
KGM-2BL-R3.5	7.0	3.5	8	14	75	2	A	●
KGM-2BL-R4.0	8.0	4.0	8	16	100	2	A	●
KGM-2BL-R4.5	9.0	4.5	10	18	100	2	A	●
KGM-2BL-R5.0	10.0	5.0	10	20	100	2	B	●
KGM-2BL-R6.0	12.0	6.0	12	24	100	2	B	●
KGM-2BL-R7.0	14.0	7.0	14	28	100	2	B	●
KGM-2BL-R8.0	16.0	8.0	16	32	150	2	B	●
KGM-2BL-R10.0	20.0	10.0	20	40	150	2	B	●

● 推荐型号 Recommended type ○ 按订单生产 Make-to-order

被加工材料适用表 Applicable materials for processing ○非常合适 Very suitable ○合适 Suitable

被加工材料 Processed Materials											
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢Pre-hardened steel Hardened steel				不锈钢 Stainless steel	铸铁 Castiron 球墨铸铁 Ductile iron	铜合金 Copper alloy	铝合金 Aluminum alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
○	○	○	○			○	○				

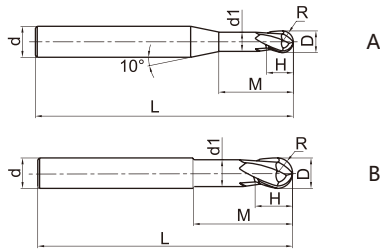
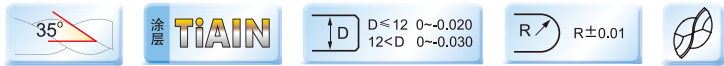
二刃直柄长颈短刃球头立铣刀

Two Flutes Long Neck Short Cutting Length Ball Nose Endmill

KGM-2BFP



- 高刚性短刃设计，适合重切削。  
Short cutting length design, suitable for heavy cutting



订货号 Specifications	基本尺寸 Dimensions (mm)							齿数 Number of teeth Z	形式 Inserts Shape	库存 Stock
	D	R	H	d <sub>1</sub>	M	d	L			
KGM-2BFP-R0.5	1.0	0.5	1	0.95	2.5	6	75	2	A	○
KGM-2BFP-R0.75	1.5	0.75	1	1.45	3	6	75	2	A	○
KGM-2BFP-R1.0	2.0	1.0	2	1.95	4	6	75	2	A	○
KGM-2BFP-R1.5	3.0	1.5	3	2.85	6	6	75	2	A	○
KGM-2BFP-R2.0	4.0	2.0	4	3.85	8	6	75	2	A	○
KGM-2BFP-R2.5	5.0	2.5	5	4.85	10	6	75	2	A	○
KGM-2BFP-R3.0	6.0	3.0	6	5.8	12	6	75	2	B	○
KGM-2BFP-R4.0	8.0	4.0	8	7.8	16	8	100	2	B	○
KGM-2BFP-R5.0	10.0	5.0	10	9.6	20	10	100	2	B	○
KGM-2BFP-R6.0	12.0	6.0	12	11.5	24	12	100	2	B	○
KGM-2BFP-R8.0	16.0	8.0	16	15.5	32	16	150	2	B	○
KGM-2BFP-R10.0	20.0	10.0	20	19.5	40	20	150	2	B	○

● 推荐型号 Recommended type    ○ 按订单生产 Make-to-order

被加工材料适用表 Applicable materials for processing

被加工材料 Processed Materials											
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢Pre-hardened steel Hardened steel				不锈钢 Stainless steel	铸铁 Castiron 球墨铸铁 Ductile iron	铜合金 Copper alloy	铝合金 Aluminum alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
○	○	○	○			○	○				

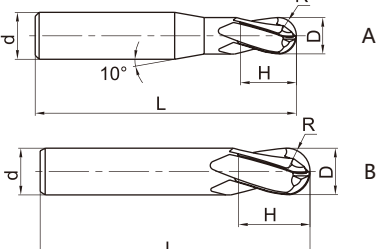
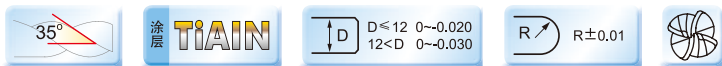
四刃直柄球头立铣刀

Four Flutes Ball Nose Endmill

KGM-4B



- 四刃球头铣刀可实现较高的进给速度，实现较高的切削加工效率。  
High feed machining, High efficient processing



订货号 Specifications	基本尺寸 Dimensions (mm)					齿数 Number of teeth Z	形式 Inserts Shape	库存 Stock
	D	R	d	H	L			
KGM-4B-R1.5	3.0	1.5	6	6	50	4	A	●
KGM-4B-R2.0	4.0	2.0	6	8	50	4	A	●
KGM-4B-R2.5	5.0	2.5	6	10	50	4	A	●
KGM-4B-R3.0	6.0	3.0	6	12	50	4	A	●
KGM-4B-R4.0	8.0	4.0	8	16	60	4	A	●
KGM-4B-R5.0	10.0	5.0	10	20	75	4	A	●
KGM-4B-R6.0	12.0	6.0	12	24	75	4	B	●
KGM-4B-R7.0	14.0	7.0	14	28	75	4	B	●
KGM-4B-R8.0	16.0	8.0	16	32	100	4	B	●
KGM-4B-R9.0	18.0	9.0	18	36	100	4	B	●
KGM-4B-R10.0	20.0	10.0	20	40	100	4	B	●

● 推荐型号 Recommended type    ○ 按订单生产 Make-to-order

被加工材料适用表 Applicable materials for processing

被加工材料 Processed Materials											
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢Pre-hardened steel Hardened steel				不锈钢 Stainless steel	铸铁 Castiron 球墨铸铁 Ductile iron	铜合金 Copper alloy	铝合金 Aluminum alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
○	○	○	○			○	○				

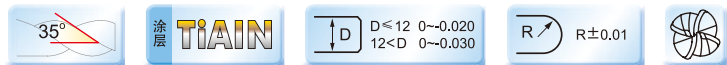
四刃直柄长柄球头立铣刀

Four Flutes Long Shank Ball Nose Endmill

KGM-4BL



- GM-4B的长柄系列。



订货号 Specifications	基本尺寸 Dimensions (mm)					齿数 Number of teeth Z	形式 Inserts Shape	库存 Stock
	D	R	d	H	L			
KGM-4BL-R1.5	3.0	1.5	6	6	75	4	A	○
KGM-4BL-R2.0	4.0	2.0	6	8	75	4	A	○
KGM-4BL-R2.5	5.0	2.5	6	10	75	4	A	○
KGM-4BL-R3.0	6.0	3.0	6	12	75	4	B	○
KGM-4BL-R4.0	8.0	4.0	8	16	100	4	B	○
KGM-4BL-R5.0	10.0	5.0	10	20	100	4	B	○
KGM-4BL-R6.0	12.0	6.0	12	24	100	4	B	○
KGM-4BL-R7.0	14.0	7.0	14	28	100	4	B	○
KGM-4BL-R8.0	16.0	8.0	16	32	150	4	B	○
KGM-4BL-R9.0	18.0	9.0	18	36	150	4	B	○
KGM-4BL-R10.0	20.0	10.0	20	40	150	4	B	○

● 推荐型号 Recommended type ○ 按订单生产 Make-to-order

被加工材料适用表 Applicable materials for processing ○ 非常适合 Very suitable ○ 适合 Suitable

被加工材料 Processed Materials											
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢Pre-hardened steel Hardened steel				不锈钢 Stainless steel	铸铁 Castiron 球墨铸铁 Ductile iron	铜合金 Copper alloy	铝合金 Aluminum alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
○	○	○	○			○	○				

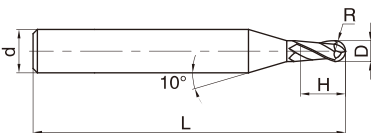
二刃直柄微小径球头立铣刀

Two Flutes Miniature Ball Nose Endmill

KGM-2BS



- 微小径铣刀可充分发挥加工中心高速、高精度性能，常用于电子零件等精密零件的加工。



Thehigh-speed,high-precision performance of the machining center can be fully utilized .Commonly used in the processing of precision parts suchas electronic parts

订货号 Specifications	基本尺寸 Dimensions (mm)					齿数 Number of teeth Z	库存 Stock
	D	R	d	H	L		
KGM-2BS-R0.15	0.30	0.15	4	0.5	50	2	●
KGM-2BS-R0.20	0.40	0.20	4	0.6	50	2	●
KGM-2BS-R0.25	0.50	0.25	4	0.8	50	2	●
KGM-2BS-R0.30	0.60	0.30	4	0.9	50	2	●
KGM-2BS-R0.35	0.70	0.35	4	1.0	50	2	●
KGM-2BS-R0.40	0.80	0.40	4	1.2	50	2	●
KGM-2BS-R0.45	0.90	0.45	4	1.3	50	2	●
KGM-2BS-R0.50	1.00	0.50	4	1.5	50	2	●
KGM-2BS-R0.60	1.20	0.60	4	1.8	50	2	●
KGM-2BS-R0.70	1.40	0.70	4	2.0	50	2	●
KGM-2BS-R0.75	1.50	0.75	4	2.3	50	2	●
KGM-2BS-R0.80	1.60	0.80	4	2.5	50	2	●
KGM-2BS-R0.90	1.80	0.90	4	2.7	50	2	●
KGM-2BS-R1.00	2.00	1.00	4	3.0	50	2	●
KGM-2BS-R1.25	2.50	1.25	4	3.7	50	2	●
KGM-2BS-R1.50	3.00	1.50	4	4.5	50	2	●

● 推荐型号 Recommended type ○ 按订单生产 Make-to-order

被加工材料适用表 Applicable materials for processing ○ 非常适合 Very suitable ○ 适合 Suitable

被加工材料 Processed Materials											
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢Pre-hardened steel Hardened steel				不锈钢 Stainless steel	铸铁 Castiron 球墨铸铁 Ductile iron	铜合金 Copper alloy	铝合金 Aluminum alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
○	○	○	○			○	○				



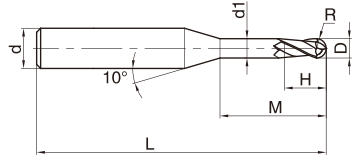
二刃直柄长颈短刃球头立铣刀

Two Flutes Long Neck Short Cutting Length Ball Nose Endmill

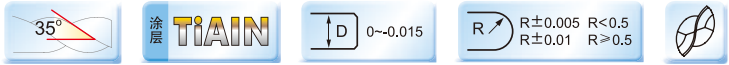


平头深沟加工  
Flat deep groove processing

KGM-2BP



- 适用于细槽加工以及自由曲面加工。  
Suitable for fine groove machining and freeform machining



订货号 Specifications	基本尺寸 Dimensions (mm)							齿数 Number of teeth Z	库存 Stock
	D	R	H	d <sub>1</sub>	M	d	L		
KGM-2BP-R0.25-M04	0.5	0.25	0.7	0.45	4	4	50	2	●
KGM-2BP-R0.25-M06	0.5	0.25	0.7	0.45	6	4	50	2	●
KGM-2BP-R0.3-M04	0.6	0.3	0.9	0.55	4	4	50	2	●
KGM-2BP-R0.3-M06	0.6	0.3	0.9	0.55	6	4	50	2	●
KGM-2BP-R0.3-M08	0.6	0.3	0.9	0.55	8	4	50	2	●
KGM-2BP-R0.4-M04	0.8	0.4	1.2	0.75	4	4	50	2	●
KGM-2BP-R0.4-M06	0.8	0.4	1.2	0.75	6	4	50	2	●
KGM-2BP-R0.4-M08	0.8	0.4	1.2	0.75	8	4	50	2	●
KGM-2BP-R0.4-M10	0.8	0.4	1.2	0.75	10	4	50	2	●
KGM-2BP-R0.5-M04	1.0	0.5	1.5	0.95	4	4	50	2	●
KGM-2BP-R0.5-M06	1.0	0.5	1.5	0.95	6	4	50	2	●
KGM-2BP-R0.5-M08	1.0	0.5	1.5	0.95	8	4	50	2	●
KGM-2BP-R0.5-M10	1.0	0.5	1.5	0.95	10	4	50	2	●
KGM-2BP-R0.5-M12	1.0	0.5	1.5	0.95	12	4	50	2	●
KGM-2BP-R0.6-M06	1.2	0.6	1.8	1.15	6	4	50	2	●
KGM-2BP-R0.6-M08	1.2	0.6	1.8	1.15	8	4	50	2	●
KGM-2BP-R0.6-M12	1.2	0.6	1.8	1.15	12	4	50	2	●
KGM-2BP-R0.6-M16	1.2	0.6	1.8	1.15	16	4	50	2	●
KGM-2BP-R0.75-M08	1.5	0.75	2.3	1.45	8	4	50	2	●
KGM-2BP-R0.75-M12	1.5	0.75	2.3	1.45	12	4	50	2	●
KGM-2BP-R0.75-M16	1.5	0.75	2.3	1.45	16	4	50	2	●
KGM-2BP-R1.0-M06	2.0	1.0	3.0	1.95	6	4	50	2	●
KGM-2BP-R1.0-M08	2.0	1.0	3.0	1.95	8	4	50	2	●
KGM-2BP-R1.0-M10	2.0	1.0	3.0	1.95	10	4	50	2	●

● 推荐型号 Recommended type    ○ 按订单生产 Make-to-order

被加工材料适用表    Applicable materials for processing    ● 非常合适 Very suitable    ○ 合适 Suitable

被加工材料 Processed Materials											
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢Pre-hardened steel Hardened steel				不锈钢 Stainless steel	铸铁 Castiron 球墨铸铁 Ductile iron	铜合金 Copper alloy	铝合金 Aluminum alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
○	○	○	○			○	○				

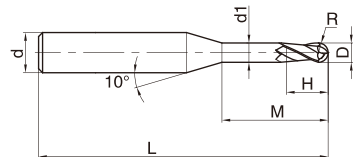
二刃直柄长颈短刃球头立铣刀

Two Flutes Long Neck Short Cutting Length Ball Nose Endmill

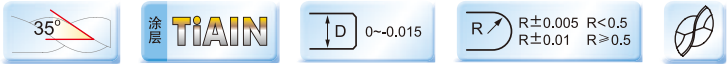


平头深沟加工  
Flat deep groove processing

KGM-2BP



- 适用于细槽加工以及自由曲面加工。  
Suitable for fine groove machining and freeform machining



订货号 Specifications	基本尺寸 Dimensions (mm)							齿数 Number of teeth Z	库存 Stock
	D	R	H	d <sub>1</sub>	M	d	L		
KGM-2BP-R1.0-M12	2.0	1.0	3.0	1.95	12	4	50	2	●
KGM-2BP-R1.0-M16	2.0	1.0	3.0	1.95	16	4	50	2	●
KGM-2BP-R1.0-M20	2.0	1.0	3.0	1.95	20	4	50	2	●
KGM-2BP-R1.25-M08	2.5	1.25	3.7	2.4	8	4	50	2	●
KGM-2BP-R1.25-M12	2.5	1.25	3.7	2.4	12	4	50	2	●
KGM-2BP-R1.25-M16	2.5	1.25	3.7	2.4	16	4	60	2	●
KGM-2BP-R1.25-M20	2.5	1.25	3.7	2.4	20	4	60	2	●
KGM-2BP-R1.5-M08	3.0	1.5	4.5	2.85	8	6	50	2	●
KGM-2BP-R1.5-M10	3.0	1.5	4.5	2.85	10	6	50	2	●
KGM-2BP-R1.5-M12	3.0	1.5	4.5	2.85	12	6	50	2	●
KGM-2BP-R1.5-M16	3.0	1.5	4.5	2.85	16	6	60	2	●
KGM-2BP-R1.5-M20	3.0	1.5	4.5	2.85	20	6	60	2	●
KGM-2BP-R2.0-M10	4.0	2.0	6.0	3.85	10	6	60	2	●
KGM-2BP-R2.0-M16	4.0	2.0	6.0	3.85	16	6	60	2	●
KGM-2BP-R2.0-M20	4.0	2.0	6.0	3.85	20	6	60	2	●
KGM-2BP-R2.0-M25	4.0	2.0	6.0	3.85	25	6	60	2	●
KGM-2BP-R2.5-M16	5.0	2.5	7.5	4.85	16	6	60	2	●
KGM-2BP-R2.5-M25	5.0	2.5	7.5	4.85	25	6	70	2	●

● 推荐型号 Recommended type    ○ 按订单生产 Make-to-order

被加工材料适用表    Applicable materials for processing    ● 非常合适 Very suitable    ○ 合适 Suitable

被加工材料 Processed Materials											
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢Pre-hardened steel Hardened steel				不锈钢 Stainless steel	铸铁 Castiron 球墨铸铁 Ductile iron	铜合金 Copper alloy	铝合金 Aluminum alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
○	○	○	○			○	○				



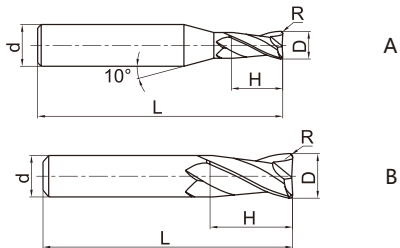
两刃直柄圆弧立铣刀

Two Flutes Corner Radius Endmill

KGM-2R



适用范围广泛，可实现多种形态的加工。  
Wide range of applications



订货号 Specifications	基本尺寸 Dimensions (mm)					齿数 Number of teeth Z	形式 Inserts Shape	库存 Stock
	D	R	d	H	L			
KGM-2R-D1.0R0.2	1.0	0.2	4	3	50	2	A	●
KGM-2R-D1.5R0.2	1.5	0.2	4	4	50	2	A	●
KGM-2R-D2.0R0.2	2.0	0.2	4	6	50	2	A	●
KGM-2R-D2.0R0.5	2.0	0.5	4	6	50	2	A	●
KGM-2R-D2.5R0.2	2.5	0.2	4	8	50	2	A	●
KGM-2R-D2.5R0.5	2.5	0.5	4	8	50	2	A	●
KGM-2R-D3.0R0.2	3.0	0.2	4	8	50	2	A	●
KGM-2R-D3.0R0.3	3.0	0.3	4	8	50	2	A	●
KGM-2R-D3.0R0.5	3.0	0.5	4	8	50	2	A	●
KGM-2R-D4.0R0.2	4.0	0.2	4	11	50	2	B	●
KGM-2R-D4.0R0.3	4.0	0.3	4	11	50	2	B	●
KGM-2R-D4.0R0.5	4.0	0.5	4	11	50	2	B	●
KGM-2R-D4.0R1.0	4.0	1.0	4	11	50	2	B	●
KGM-2R-D5.0R0.3	5.0	0.3	6	13	50	2	A	●
KGM-2R-D5.0R0.5	5.0	0.5	6	13	50	2	A	●
KGM-2R-D5.0R1.0	5.0	1.0	6	13	50	2	A	●
KGM-2R-D6.0R0.3	6.0	0.3	6	16	50	2	B	●
KGM-2R-D6.0R0.5	6.0	0.5	6	16	50	2	B	●
KGM-2R-D6.0R1.0	6.0	1.0	6	16	50	2	B	●
KGM-2R-D8.0R0.3	8.0	0.3	8	20	60	2	B	●
KGM-2R-D8.0R0.5	8.0	0.5	8	20	60	2	B	●
KGM-2R-D8.0R1.0	8.0	1.0	8	20	60	2	B	●
KGM-2R-D10.0R0.5	10.0	0.5	10	25	75	2	B	●
KGM-2R-D10.0R1.0	10.0	1.0	10	25	75	2	B	●
KGM-2R-D10.0R1.5	10.0	1.5	10	25	75	2	B	●
KGM-2R-D10.0R2.0	10.0	2.0	10	25	75	2	B	●
KGM-2R-D12.0R0.5	12.0	0.5	12	30	75	2	B	●
KGM-2R-D12.0R1.0	12.0	1.0	12	30	75	2	B	●
KGM-2R-D12.0R1.5	12.0	1.5	12	30	75	2	B	●
KGM-2R-D12.0R2.0	12.0	2.0	12	30	75	2	B	●

被加工材料适用表 Applicable materials for processing ○非常合适 Very suitable ○合适 Suitable

被加工材料 Processed Materials											
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢Pre-hardened steel Hardened steel				不锈钢 Stainless steel	铸铁 Castiron 球墨铸铁 Ductile iron	铜合金 Copper alloy	铝合金 Aluminum alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
○	○	○	○			○	○				

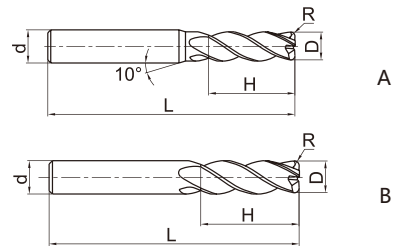
四刃直柄圆弧立铣刀

Four Flutes Corner Radius Endmill

KGM-4R



适用范围广泛，可实现多种形态的加工。  
Wide range of applications



订货号 Specifications	基本尺寸 Dimensions (mm)					齿数 Number of teeth Z	形式 Inserts Shape	库存 Stock
	D	R	d	H	L			
KGM-4R-D3.0R0.2	3.0	0.2	4	8	50	4	A	●
KGM-4R-D4.0R0.3	4.0	0.3	4	10	50	4	B	●
KGM-4R-D4.0R0.5	4.0	0.5	4	10	50	4	B	●
KGM-4R-D5.0R0.5	5.0	0.5	6	13	50	4	A	●
KGM-4R-D5.0R1.0	5.0	1.0	6	13	50	4	A	●
KGM-4R-D6.0R0.5	6.0	0.5	6	16	50	4	B	●
KGM-4R-D6.0R1.0	6.0	1.0	6	16	50	4	B	●
KGM-4R-D8.0R0.5	8.0	0.5	8	20	60	4	B	●
KGM-4R-D8.0R1.0	8.0	1.0	8	20	60	4	B	●
KGM-4R-D10.0R0.5	10.0	0.5	10	25	75	4	B	●
KGM-4R-D10.0R1.0	10.0	1.0	10	25	75	4	B	●
KGM-4R-D10.0R2.0	10.0	2.0	10	25	75	4	B	●
KGM-4R-D10.0R3.0	10.0	3.0	10	25	75	4	B	●
KGM-4R-D12.0R0.5	12.0	0.5	12	30	75	4	B	●
KGM-4R-D12.0R1.0	12.0	1.0	12	30	75	4	B	●
KGM-4R-D12.0R2.0	12.0	2.0	12	30	75	4	B	●
KGM-4R-D12.0R3.0	12.0	3.0	12	30	75	4	B	●

● 推荐型号 Recommended type ○ 按订单生产 Make-to-order

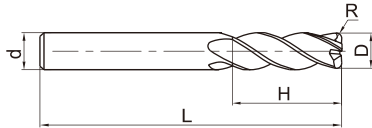
被加工材料适用表 Applicable materials for processing ○非常合适 Very suitable ○合适 Suitable

被加工材料 Processed Materials											
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢Pre-hardened steel Hardened steel				不锈钢 Stainless steel	铸铁 Castiron 球墨铸铁 Ductile iron	铜合金 Copper alloy	铝合金 Aluminum alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
○	○	○	○			○	○				

四刃直柄长柄圆弧立铣刀

Four Flutes Long Shank Corner Radius Endmill

KGM-4RL



GM-4R的长柄系列。  
GM-4R Long shank series



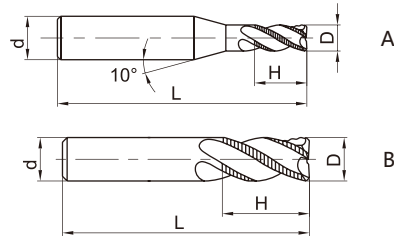
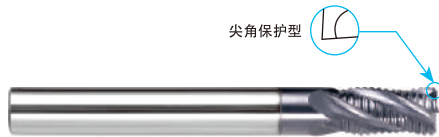
订货号 Specifications	基本尺寸 Dimensions (mm)					齿数 Number of teeth Z	库存 Stock
	D	R	d	H	L		
KGM-4RL-D6.0R0.5	6.0	0.5	6	16	75	4	●
KGM-4RL-D6.0R1.0	6.0	1.0	6	16	75	4	●
KGM-4RL-D8.0R0.5	8.0	0.5	8	20	100	4	●
KGM-4RL-D8.0R1.0	8.0	1.0	8	20	100	4	●
KGM-4RL-D10.0R0.5	10.0	0.5	10	25	100	4	●
KGM-4RL-D10.0R1.0	10.0	1.0	10	25	100	4	●
KGM-4RL-D10.0R2.0	10.0	2.0	10	25	100	4	●
KGM-4RL-D12.0R0.5	12.0	0.5	12	30	100	4	●
KGM-4RL-D12.0R1.0	12.0	1.0	12	30	100	4	●
KGM-4RL-D12.0R2.0	12.0	2.0	12	30	100	4	●
KGM-4RL-D16.0R1.0	16.0	1.0	16	45	150	4	●
KGM-4RL-D16.0R2.0	16.0	2.0	16	45	150	4	●

● 推荐型号 Recommended type ○ 按订单生产 Make-to-order

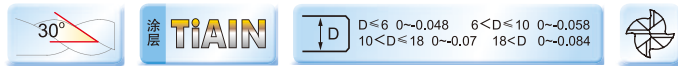
四刃直柄平头波形刃立铣

Four Flutes Roughing Endmill

KGM-4W



最适宜高效粗加工。  
Suitable for roughing machining



订货号 Specifications	基本尺寸 Dimensions (mm)				齿数 Number of teeth Z	形式 Inserts Shape	库存 Stock
	D	d	H	L			
KGM-4W-D6.0	6.0	6	16	50	4	B	●
KGM-4W-D7.0	7.0	8	20	60	4	A	●
KGM-4W-D8.0	8.0	8	20	60	4	B	●
KGM-4W-D9.0	9.0	10	22	75	4	A	●
KGM-4W-D10.0	10.0	10	25	75	4	B	●
KGM-4W-D11.0	11.0	12	26	75	4	A	●
KGM-4W-D12.0	12.0	12	30	75	4	B	●
KGM-4W-D16.0	16.0	16	45	100	4	B	●
KGM-4W-D20.0	20.0	20	45	100	4	B	●

● 推荐型号 Recommended type ○ 按订单生产 Make-to-order

被加工材料适用表 Applicable materials for processing ○非常合适 Very suitable ○合适 Suitable

被加工材料 Processed Materials											
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢Pre-hardened steel Hardened steel				不锈钢 Stainless steel	铸铁 Castiron 球墨铸铁 Ductile iron	铜合金 Copper alloy	铝合金 Aluminum alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
○	○	○	○			○	○				

被加工材料适用表 Applicable materials for processing ○非常合适 Very suitable ○合适 Suitable

被加工材料 Processed Materials											
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢Pre-hardened steel Hardened steel				不锈钢 Stainless steel	铸铁 Castiron 球墨铸铁 Ductile iron	铜合金 Copper alloy	铝合金 Aluminum alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
○	○	○	○			○	○				



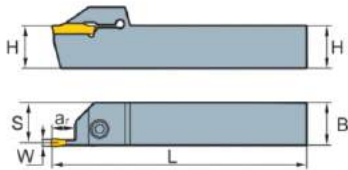
HOLDERS AND CUTTER  
—  
刀杆和刀盘

---

## H 刀杆和刀盘 Holders and Cutter

---

车削刀具 Turning Tools



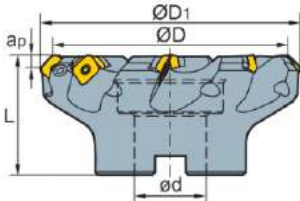
型号 Type		尺寸 Dimensions(mm)					适装刀片 Applicable Inserts
		H*B	L	S	W	ar <sub>max</sub>	
Qefd	1616R/L10	16*16	125	14.8	3	10	GPMN3004K-M GPMN3004K-G
	1616R/L17	16*16	125	14.8	3	17	
	2020R/L10	20*20	125	18.8	3	10	
	2020R/L17	20*20	125	18.8	3	17	
	2525R/L10	25*25	150	23.8	3	10	
	2525R/L17	25*25	150	23.8	3	17	
QEGD	2020R/L13	20*20	140	18.5	4	13	GPMN4004K-M GPMN4004K-G
	2020R/L22	20*20	140	18.5	4	22	
	2525R/L13	25*25	150	23.5	4	13	
	2525R/L22	25*25	150	23.5	4	22	
	3232R/L13	32*32	170	30.5	4	13	
	3232R/L22	32*32	170	30.5	4	22	
QEHD	2525R/L13	25*25	150	23	5	13	GPMN5005K-M GPMN5008K-G
	2525R/L22	25*25	150	23	5	22	
QEHS	2525N30	25*25	150	12.5	5	30	Z□HS05□□
QEHD	3232R/L13	32*32	170	30	5	13	GPMN50058K-M GPMN5008K-G
	3232R/L22	32*32	170	30	5	22	
QEHS	3232N30	32*32	170	16	5	30	GPMN50058K-M GPMN5008K-G

可转位铣削刀具 Indexable Milling Tools



密齿等齿距  
Close Pitch Space

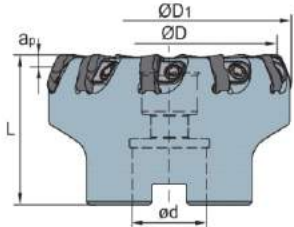
MXA01 P M K N S



型号 Type		尺寸 Dimensions(mm)					齿数 Number of teeth Z	适装刀片 Applicable Inserts
		ΦD	ΦD <sub>1</sub>	Φd	L	ar <sub>max</sub>		
MXA01	-050-A22-SE12-04	50	61	22	40	6	4	SEET12T3-□□
	-063-A22-SE12-05	63	74	22	40	6	5	
	-080-A27-SE12-06	80	91	27	50	6	6	
	-100-B32-SE12-07	100	107	32	50	6	7	
	-125-B40-SE12-08	125	136	40	63	6	8	
	-160-B40-SE12-10	160	170	40	63	6	10	
	-200-C60-SE12-12	200	210	60	63	6	12	
	-250-C60-SE12-14	250	260	60	63	6	14	
	-315-D60-SE12-18	315	325	60	70	6	18	

可转位铣削刀具 Indexable Milling Tools

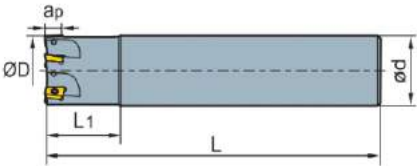
MXD02 



型号 Type		尺寸 Dimensions(mm)					齿数 Number of teeth Z	适装刀片 Applicable Inserts
		$\Phi D$	$\Phi D_1$	$\Phi d$	L	$a_{pmax}$		
MXD02	-080-A27-PN11-10	80	90.1	27	50	5/7.5	10	PNEG1105□□□-X□
	-100-B32-PN11-14	100	110.1	32	50	5/7.5	14	
	-125-B40-PN11-18	125	135.1	40	63	5/7.5	18	
	-160-B40-PN11-22	160	170.1	40	63	5/7.5	22	

可转位铣削刀具 Indexable Milling Tools

FJP01    

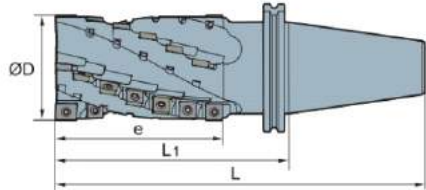


型号 Type		尺寸 Dimensions(mm)					齿数 Number of teeth Z	适装刀片 Applicable Inserts
		$\Phi D$	$\Phi d$	L	L1	$a_{pmax}$		
FJP01	-012-G16-AP11-01	12	16	85	25	10.5	2	APMT1135□□□□-□M
	-016-G16-AP11-02	16	16	90	25	10.5	2	
	-020-G20-AP11-02	20	20	100	30	10.5	2	
	-025-G25-AP11-03	25	25	115	35	10.5	3	
	-032-G32-AP11-04	32	32	125	40	10.5	4	
	-025-G25-AP16-02	25	25	115	35	15.5	2	APMT1604□□□□-□M
	-032-G32-AP16-03	32	32	125	40	15.5	3	
	-040-G32-AP16-04	40	32	130	42	15.5	4	
	-050-G32-AP16-05	50	32	135	45	15.5	5	
	-063-G32-AP16-06	63	32	135	45	15.5	6	



可转位铣削刀具 Indexable Milling Tools

LXP01 P K



型号 Type		尺寸 Dimensions(mm)				齿数 Number of teeth Z	适装刀片 Applicable Inserts
		ΦD	e	L1	ap <sub>max</sub>		
LXP01	-050*84-JT50-SP12-04	50	84	145	246.75	4	APKT150412K-BM SPMT120408K-BM
	-063*74-JT50-SP12-04	63	74	135	236.75	4	
	-063*104-JT50-SP12-04	63	104	165	266.75	4	
	-063*134-JT50-SP12-04	63	134	195	296.75	4	
	-080*104-JT50-SP12-04	80	104	165	266.75	4	
	-080*144-JT50-SP12-04	80	144	205	306.75	4	
	-050*84-BT50-SP12-04	50	84	145	246.8	4	
	-063*74-BT50-SP12-04	63	74	135	236.8	4	
	-063*104-BT50-SP12-04	63	104	165	266.8	4	
	-063*134-BT50-SP12-04	63	134	195	296.8	4	
	-080*104-BT50-SP12-04	80	104	165	266.8	4	
	-080*144-BT50-SP12-04	80	144	205	306.8	4	



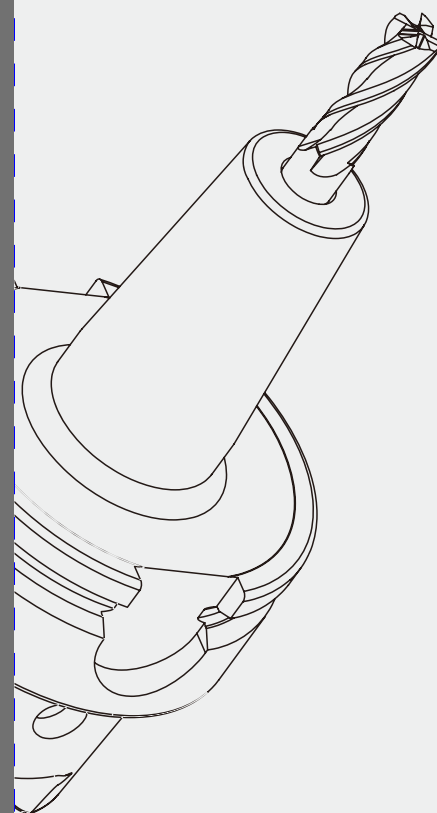
## General technical Informations

### 通用技术信息



## 通用技术信息

### General technical Informations



刀具磨损与各类损伤

刀具损伤类型	现象	原因	对策
后刀面磨损 Flank wear	切削阻力增加 Increase cutting resistance 在后刀面逐渐形成沟槽磨损 Increase risk of edge breakage	刀具材料过软 Grade too soft 切削速度过高 Cutting speed too high 后角过小 Clearance angle too small 进给量太小 Feed rate too low	◆选用高耐磨性刀具材料 Select a more wear resistant grade ◆降低切削速度 Reduce cutting speed ◆增大后角 Increase clearance angle ◆加大进给量 Increase feed rate
前刀面磨损 (月牙洼磨损) Crater wear	精加工表面恶化 Causes poor surface finish	刀具材料过软 Grade too soft 切削速度过高 Cutting speed too high 进给量太大 Feed rate too high	◆选用高耐磨性刀具材料 Select a more wear resistant grade ◆降低切削速度 Reduce cutting speed ◆降低进给量 Reduce feed rate
崩刀 Frittering	突发性崩刀 Excessive load on the insert	刀具材料过硬 Grade too brittle 进给量大 Feed rate too high 切削强度不足 Inserts geometry too weak 刀杆、刀柄刚性不足 tool holders too thin	◆选用韧性好的刀具材料 Select tougher grade ◆降低进给量 Reduce feed rate ◆加大刃口修磨量 (若是倒圆改为倒棱) Selectan inserts with a stronger geometry ◆加大刀杆尺寸 Increase the tool holders' diameter
破损 Insert breakage	切削阻力增大 Increase cutting resistance 表面粗糙度恶化 Causes poor surface finish	刀具材料过硬 Grade too brittle 进给量大 Feed rate too high 切削刃强度不足 Insert geometry too weak 刀杆、刀柄刚性不足 Tool holders too thin	◆选用韧性好的刀具材料 Select tougher grade ◆降低进给量 Reduce feed rate ◆加大刃口修磨量 (若是倒圆改为倒棱) Select an inserts with a stronger geometry ◆加大刀杆尺寸 Increase the tool holders' diameter
塑性变形 (刀刃塌下) Plastic deformation	工件尺寸变化 leadingto poor chip control 刀尖磨损 excesive flank wear	刀具材料过软 Grade too soft 切削速度过高 Cutting speed too fast 切削深度、进给量太大 Cutting depth、Feed rate too high 切削刃温度过高 Too high cutting temperatures on the rake face	◆选用高耐磨性刀具材料 Select a more wear resistant grade ◆降低切削速度 Reduce cutting speed ◆减小切削深度 进给量 Reduce cutting depth 、feed speed
积屑瘤 (粘连) Built-up edge	精加工表面恶化 Causes poor surface finish 切削阻力增加 Increase cutting resistance	切削速度低 cutting speed too low 切削刃不锋利 Negative cutting geometry 刀具材料不合适 Workpiece material is welded to the insert	◆提高切削速度 Increase cutting speed ◆增大前角 Select a positive geometry ◆选用亲和力小的刀具材料 (涂层、金属陶瓷等) Select a grade with better resistance to workpiece material
热龟裂 Thermal cracks	由于热循环而崩损 Causing frittering 多出现在断续加工中 Appear in intermittent machining	切削热引起的膨胀与收缩 Temperature variations 刀具材料过硬 Grade too brittle	◆干式切削 Dry cutting ◆选用韧性好的刀具材料 Select a tougher grade with better resistance to thermal shocks
边界磨损 Notch wear	工件加工表面恶化 Causes poor surface finish 切削阻力增加 Increase cutting resistance	进给量过大 切削速度过高 Feed rate too high、cutting speed too fast	◆选用高耐磨性刀具材料 Select a more wear resistant grade ◆增大前角使切削刃锋利 Select a positive geometry ◆降低切削速度 Reduce cutting speed

CVD 涂层材料 CVD Coating

APPLICATION	ISO CODE	KIT	ZCC. CT	SANDVIK	WALTER	KENAMETAL	SECO	ISCAR	MITSUBISHI	KYOCERA	TUNGALOY	TAEKUTEC	KORLOY
Turning	P	P10	KT1100-3	YBC151 YBC152	GC4015 GC4215	WAP10	KC9110	TP1000	IC9150 IC9015	UE6105 MC6015	CA510 CA5505	T9105 T9005	TT1300 NC3010
		P20	KT1200-3	YBC251 YBC252 YBC201	GC4025 GC4225	WAP20	KC9125	TP2000	IC9250 IC9025	MC6015 UE6110	CA515 CA5515	T9115 T9125	TT8125 TT1500 NC3215 NC3225
		P30	KT1300-3	YBC351 YBC352 YBC301	GC4035 GC4235 GC4030	WAP30	KC8050	TP3000	IC9350 IC656	MC6025 UE6020	CA525 CA5525	T9035 T9135	TT3500 TT5100 NC3030
		P40		YBC401	GC4035 GC235		KC9140 KC9040	TP400 TP3000	IC635	UE6035 UH6400	CA5535	T9035	TT450
	M	M10		YBM151	GC2015	WAM10	KU10 K313	TM2000	IC9250 IC6015	MC7015 US7020	CA6515	T9015	
		M20	KT2200-2	YBM251 YBM253	GC5025	WAM20	KC9225	TM2000	IC9250 IC9025	MC7015 US7025	CA6515 CA6525	T9125 T6020	TT2500 NC9020
		M30	KT2300-2	YBM351 YBM353	GC2035 GC235	WAM30	KC8050	TM4000	IC9350 IC6025	MC7025	CA6525	T6030	TT3500 NC9025
		M40	KT3400-1	YBM40			KC9240	TM4000	IC6025 IC9350	US735		TT5100	
	K	K01	KT3150-2	YBD051 YBD052	GC3205 GC3210		KCK05	TH1500 TK1000	IC5005 IC9007	UC5105 MC5005	CA4505 CA4010	T5105	NC6205
		K10	KT3260-3	YBD151 YBD152	GC3205 GC3215	WAK10	KCK15 KCK20	TK1001 TK2000	IC5005 IC9150	MC5015 UC5115	CA4515 CA4115	T5115	TT1300 NC6210 NC6215
		K20	KT3260-3	YBD252	GC3215	WAK20	KCK20 KC9325	TK2000 TK2001	IC5010 IC8150	UC5115 UR6110	CA4515 CA4120	T5115 T5125	TT1500 NC6210 NC6215
Milling	P	P10					MP1500	IC9080					
		P20	KT2200-2	YBM253	GC4220	WAP25		MP1500 MP2500	IC5100	F7030		T3130	NC5340
		P30	KT2300-2	YBM353	GC4230	WAP35	KCPK30	MP2500	IC4050	F7030		T3030	TT7300 NC5350 NC5340
		P40			GC4240		KC935M						
	M	M10					TN25M		IC9250				NC5330
		M20	KT2200-2	YBM253	GC2040		KC925M	MP2500	IC9350	F7030	CA6535	T3130	NC5340 NC5350
		M30	KT2300-2	YBM353		WTP35	KC930M	MP2500	IC9350	F7030	CA6535	T3130	
	K	K10	KT3260-2	YBD152		WAK15				MC5020		T1115	NC5330
		K20	KT3260-2	YBD252	GC3220	WAK25	KC915M	MK2000	IC5100	MC5020		T1115	NC5340 NC5350
		K30			GC3330		KC920M	MK3000	IC4050				

PVD 涂层材料 PVD Coating

APPLICATION	ISO CODE	KLT	ZCC. CT	SANDVIK	WALTER	KENNAMETAL	SECO	ISCAR	mitsubishi	KYOCERA	TUNGALOY	TREGUTEC	KORLOY		
Turning	P	P10	KT8450-6	YBG102			KC5010 KC5510	CP200	IC507	VP10MF	PR915 PR930	AH710			
		P20	KT8280-8	YBG201 YBG202 YBG205	GC1020 GC1025			KC5025	CP250	IC908	VP15TF VP20MF	PR630 PR915	AH710 AH330	TT9030 TT9080	PC8110
		P30	KT8280-8	YBG201 YBG202 YBG205	GC1025 GC4125			K7010	CP500	IC928	VP15TF VP20MF	PR630 PR660	AH330 AH740	TT9030 TT9080	PC5300 PC8115
		P40	KT8300-5	YBG302	GC1020 GC2145			K7030	CP500	IC928 IC1008	VP15TF VP20MF	PR660	AH120		
	M	M10	KT8450-6	YBG102				KC5010 KC5510	CP200	IC507	VP10MF	PR915 PR930	AH710		
		M20	KT8280-8	YBG201 YBG205	GC1020 GC1025			KC5025 KC5525	CP250	IC908	VP15TF VP20MF	PR630 PR915	AH710 AH330	TT9030 TT9080	PC8115 PC9030
		M30	KT8300-5	YBG302	GC1020 GC2145			KC5025 KC5525	CP500	IC928 IC1008	VP15TF VP20MF	PR630 PR660	AH120	TT9080	PC9030 PC5400
		M40			GC2145							PR660			
	K	K10	KT8450-6	YBG102				KC5010 KC5510	CP200	IC507	VP10MF	PR915	AH110		
		K20	KT8280-8	YBG201 YBG205	GC1020			KC7015	CP250	IC908	VP15TF	PR915	AH120	TT9030 TT9080	PC5300 PC9030
		K30			GC4125			KC7225	CP500		VP15TF				
	S	S10	KT6250					KC5010 KC5510	CP200				GH110 AH110		PC8105
		S20	KT6250		GC1020			KC7015	CP250	IC928 IC1008	VP15TF		AH120	TT9080	PC8115 PC5400
		S30	KT6200		GC4125			KC7225	CP500	IC928 IC908	VP15TF				
	Milling	P	P10			GC1025	WXH15 WXM15	KC715M		IC903 IC950		PR830 PR730			PC2025 PC2010
			P20	KT8290-5 KT8290-8	YBG202 YBG205	GC1025	WXM25	KC522M KC525M	F25M	IC928 IC900	VP15TF	PR630 PR730	GH330	TT7080 TT9030	PC3500
P30			KT8300-5	YBG302	GC1030	WXM35	KC725M KC735M	F25M F30M	IC928	VP30RT VP15TF	PR630 PR730	AH330 AH120	TT7080 TT9030	PC3500 PC5300	
M		M10			GC1025	WXM15	KC715M				PR630 PR730				
		M20	KT8290-5 KT8290-8	YBG202 YBG205	GC2030		KC522M KC525M	F25M	IC928 IC908	VP20RT VP15TF	PR630 PR730	GH330	TT7030 TT9030	PC3530	
		M30	KT8300-5	YBG302	GC2030	WXM35	KC725M KC735M	F25M F30M	IC928	VP30RT VP15TF	PR630 PR730	AH330 AH120	TT7030 TT9030	PC5400 PC3530	
K		K10	KT8200-6	YBG102		WXH15 WXM15	KC510M		IC900 IC910	VP10MF	PR510 PR905	AH110	TT6080	PC8110	
		K20	KT8290-5 KT8290-8	YBG201 YBG205		WXM15	KC520M KC525M		IC910 IC950	VP15TF VP20RT	PR510 PR905	AH120	TT9030 TT9080	PC6510 PC5300	
		K30					KC725M KC735M		IC908 IC928	VP15TF VP20RT					
S		K10	KT6250				KC510M		IC908	VP15TF	PR660	AH120	TT6030	PC5300	
		K20	KT6250		GC1025	WXM35	KC522M KC525M		IC908	VP15TF	PR660		TT8020	PC5400 PC9030	
		K30	KT6200		GC2030		KC725M	F40M	IC328 IC928		PR660		TT8030 TT9080		

非涂层硬质合金 Cemented carbide material

APPLICATION		ISO CODE	KLT	ZCC. CT	SANDVIK	WALTER	KENNAMETAL	SECO	ISCAR	MITSUBISHI	KYOCERA	TUNGALOY	TREGUTEC	KORLOY	
Turning	P	P10			S1P		P10		IC70				P10	ST10	
		P20		YC20	SMA		K125M TTM		IC70 IC50M	UTi20T		TX10S	P20	ST20	
		P30		YC40S	SM30		GK K600 TTR		IC50M IC54	UTi20T	pw30	TX20 TX25	P30	ST30A	
		P40	KT1330	YC40	S6		G13		IC54			TX30 UX30			
	M	M10	KT2100	YW1	H10A		K313	890					TU10	M10	U10
		M20	KT2200	YW2	H13A		K68 KMF	HX 883	IC08	UTi20T			TU20 UX30	M20	U20
		M30			H10F SM30		K600 TTR		IC08 IC28	UTi20T			UX30		ST30A
		M40			S5		G13						TU40	M40	U40
	K	K01		YD051	H1P		K605			UTi05T			TH03 KS05F		H02
		K10	KT3150	YD101	H1P H10		K313 K110M	890	IC20	HTi10	KW10	G1F TH10	K10	H01	
		K20	KT3260	YD201	H13A		K715 KMF	890 HX	IC20 IC10	UTi20T	GW10	G2F KS15F	K20	G10	
	N	N01					K605						KS05F		
		N10	KT3150	YD101			WK10	K313 K110M	890 H15		HTi10		TH10 H10T	K10	K10
		N20	KT3260	YD201				K715 KMF	HX 883				KS15F		K20
	Milling	P	P10			S1P								P10	S1P
			P20		YC20			K125		IC50M	UTi20T		TX25	P20	
P30				YC40S			GX K600		IC50M IC28	UTi20T	PW30	UX30	P30		
P40			KT1330	YC40					IC28		PW30				
M		M10	KT2100	YW1			K110M							M10	
		M20	KT2200	YW2			K313			UTi20T				M20	
		M30					KFM K600		IC28	UTi20T		UX30			
		M40							IC28			TU40	M40		
K		K01		YD051						KTi05T					
		K10	KT3150	YD101	H1P	WK10	K110M		IC20	HTi10	KW10	TH10	K10	H1P	
		K20	KT3260	YD201			KFM	HX	IC20 IC10	UTi20T			K20		

**金属陶瓷** Cermet

[illegible]