



MUYE CEMENTED CARBIDE

综合产品目录

PRODUCTS CATALOG

穆野硬质合金（嘉兴）有限公司
MUYE CEMENTED CARBIDE (JIAXING) CO.,LTD.

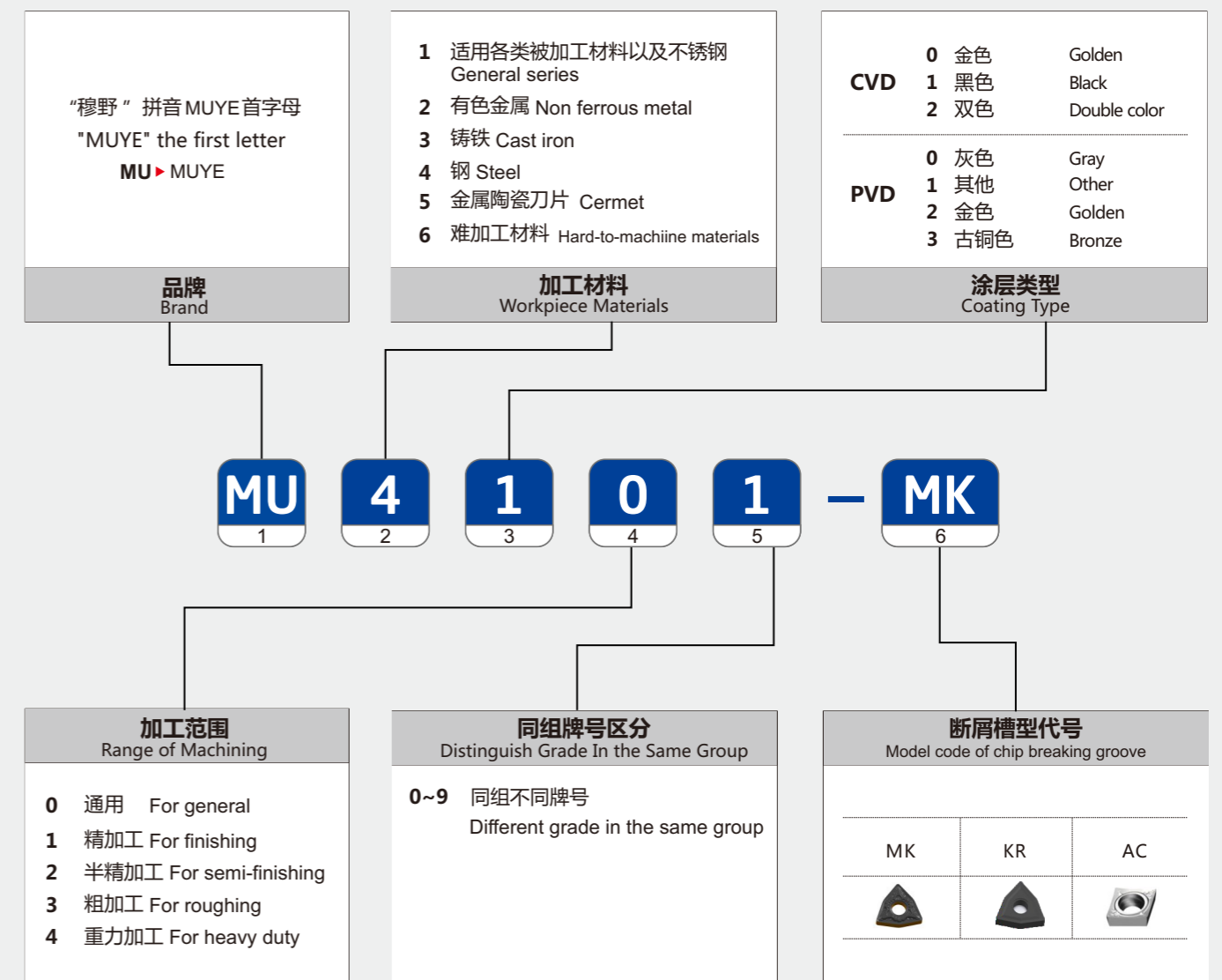
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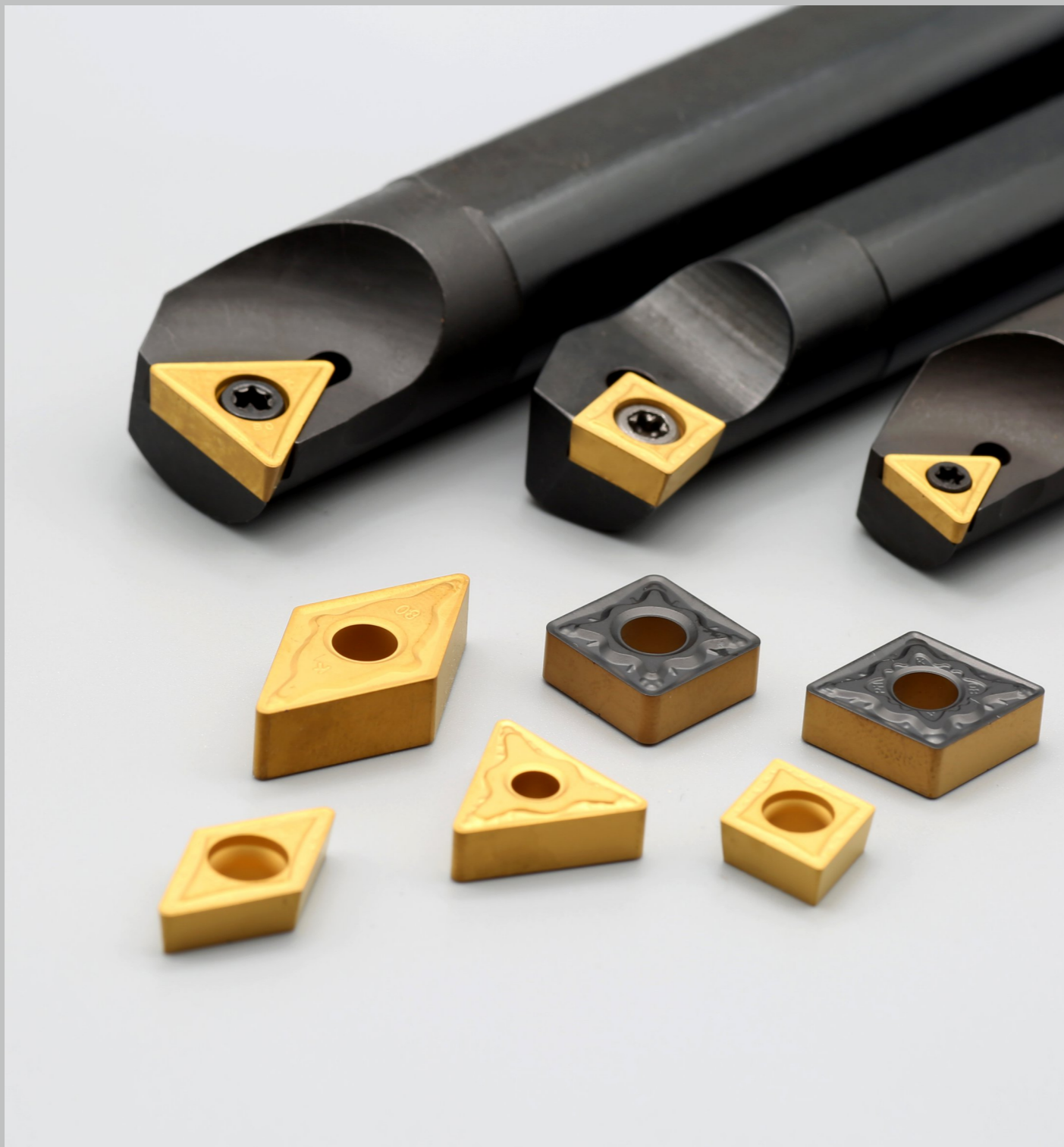
目录 CONTENTS

牌号命名规则 Inserts Grade Naming Rule	002
A 车削刀片 TURNING INSERTS	003
车削刀片牌号介绍 Grade Informations	005
车削刀片牌号一览表 Recommended Grade Table	007
普通车削刀片型号命名规则 Identification System	009
钢件车削 General Turning Inserts for Steel	011
不锈钢车削 General Turning Inserts for Stainless Steel	023
铸铁车削 General Turning Inserts for Cast Iron	035
铝合金车削 General Turning Inserts for Aluminum	042
镗孔精车刀片 Boring Tools	046
螺纹车削 Threading Inserts	053
螺纹刀片型号命名规则 Identification System	054
切断切槽车削 Parting and Grooving Inserts	057
切断切槽刀片型号命名规则 Identification System	058
B 铣削刀片 MILLING INSERTS	061
铣削刀片牌号介绍 Grade Informations	063
铣削刀片牌号一览表 Recommended Grade Table	064
铣削刀片型号命名规则 Identification System	065
常规铣削刀片 Carbide Milling Tools	067
C 孔加工刀片 HOLE MACHINING INSERTS	075
D 刮管刀片 TUBE SCRAPER INSERTS	081
E 重力切削刀片 HEAVY DUTY INSERTS	087
F 非标异形刀片 SPECIAL DESIGN INSERTS	091
G 硬质合金立铣刀 SOLID CARBIDE END MILL	095
H 硬质合金圆棒 CARBIDE RODS	131
I 刀杆和刀盘 HOLDERS AND CUTTER	145
J 通用技术信息 GENERAL TECHNICAL INFORMATIONS	153

牌号命名规则

Inserts Grade Naming Rule



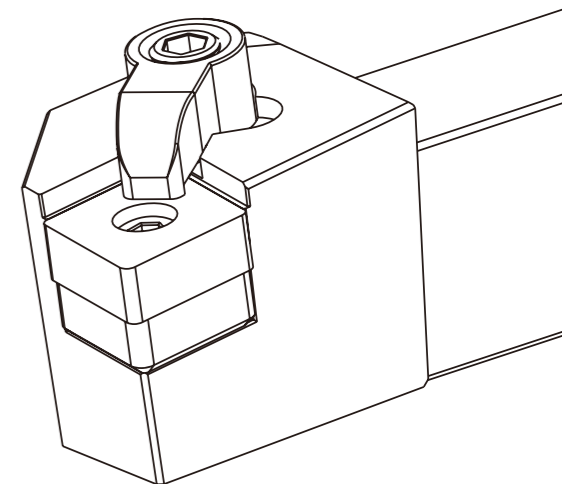


Turning Tools

车削刀片

A 车削刀片 TURNING INSERTS

车削刀片牌号介绍 Grade Informations	005
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螺纹刀片型号命名规则 Identification System	054
切断切槽车削 Parting and Grooving Inserts	057
切断切槽刀片型号命名规则 Identification System	058



车削刀片牌号介绍

Grade Informations

MU1001	K15-K25 P15-P25 M15-M25	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. 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。
MU1201	P15-P30 M15-M30 K15-K30	The preferred grade for stainless turning, for semi-finishing and roughing under continuous, interrupted cutting conditions. 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。
MU1301	P10~P15 M10~M15	Ultra-fine particle base substrate, high wear resistance, fine edge treatment, suitable for finishing processing and finishing boring of stainless steel. 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。
MU4001	P10~P20	The special high-hardness substrate of gradient structure, combined with the thick TiCN and thick Al ₂ O ₃ 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. 梯度结构的高硬度专用基体，搭配厚的TiCN和厚Al ₂ O ₃ 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。
MU4101	P15~P30	Substrate of good toughness and strength combined with the thick TiCN and thick Al ₂ O ₃ coating, makes the coating greatly improved in wear-resistance and looks good in appearance. It is suitable for various processing of steel. 韧性与强度好的基体与厚的TiCN和厚Al ₂ O ₃ 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。
MU4201	P15~P30	The high-toughness substrate is matched with TiCN and Al ₂ O ₃ 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.. 高韧性的基体搭配合适厚度的TiCN、Al ₂ O ₃ 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。
MU3101	K15~K25	Thick Al ₂ O ₃ + 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. 厚Al ₂ O ₃ +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。
MU3201	K15~K25	TiN + medium thickness Al ₂ O ₃ + thick TiCN coating combined with hard substrate, good resistance to spalling, suitable for continuous and interrupted turning of cast iron with toughness requirements. TiCN+中厚Al ₂ O ₃ +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。
MU2001	K15-K25 P15-P25 M15-M25	It is suitable for various processing of aluminum alloy turning to milling. 铝合金车削通用加工、铣削加工

车削刀片牌号介绍

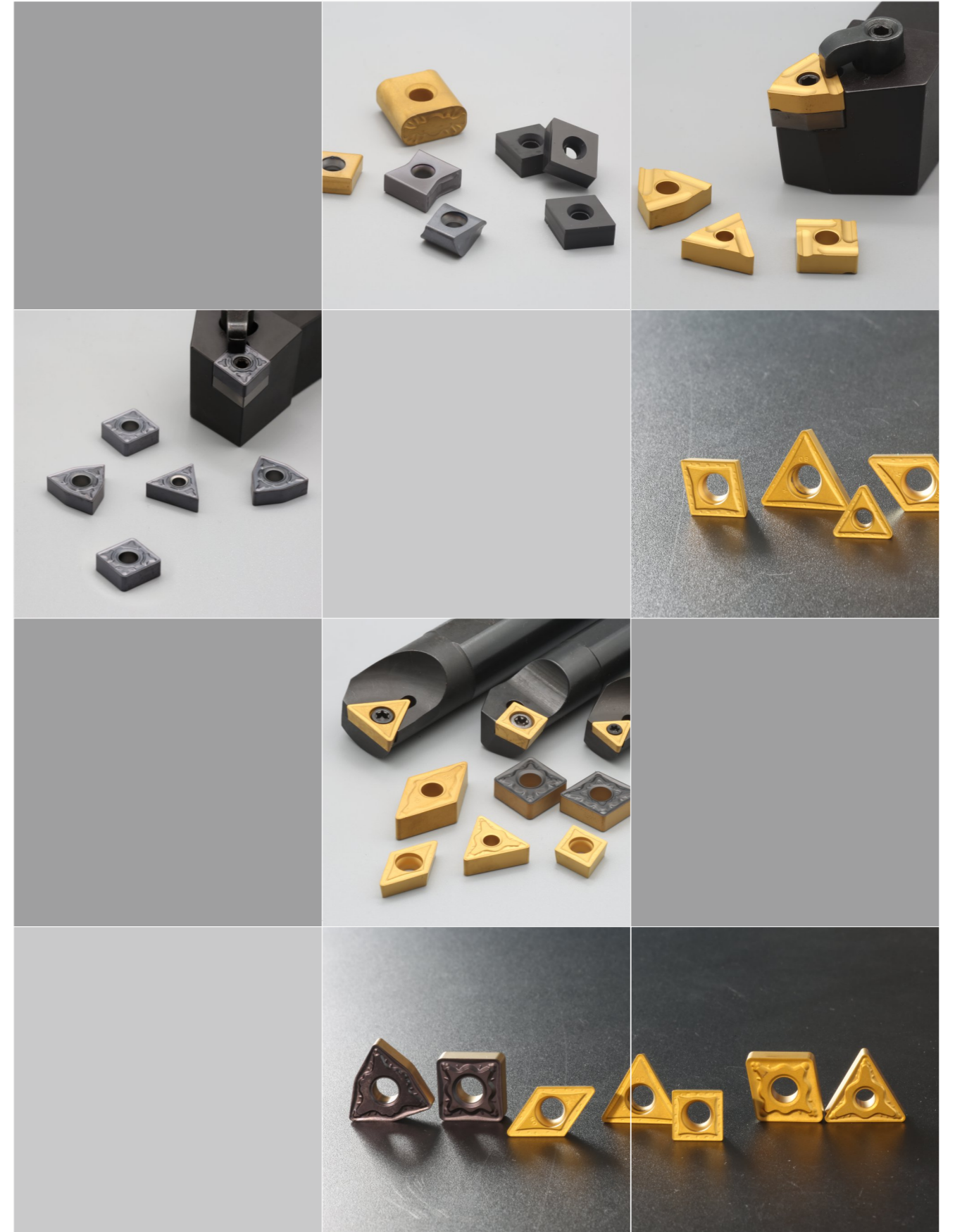
Grade Informations

MU2201	K10~K20	It is suitable for the finishing of aluminum alloy and cast iron. 铝用加工、铸铁精加工牌号
MU5001	P10~P25 K10~K25 M10~M25	Grade for cermet turning, The combination of fine dispersed hard phase particles, binder phase strengthening 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. 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。
MU6001	S15~S30	Substrate with excellent deformation resistance plus nano-coating, suitable for semi-finishing of hard-to-machine materials such as high-temperature alloys. 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。
MU6201	H10~H30	MU6201 is a PVD nano-coated ultra-fine grained carbide grade for turning of hardened steel. 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。

车削刀片牌号一览表

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	MU4001	MU1001		MU5001	
	P20	MU4101 MU4201	MU1201		MU5001	
	P30					
	P40					
M	M01					
	M10		MU1201			
	M20		MU1301		MU5001	
	M30					
	M40					
K	K01	MU3101				
	K10	MU3201			MU5001	
	K20					
	K30					
N	N01					
	N10				MU2001	MU2201
	N20					
	N30					
S	S01					
	S10					
	S20		MU6001			
	S30					
H	H01					
	H10					
	H20		MU6201			
	H30					



普通车削刀片命名规则

Naming Rules

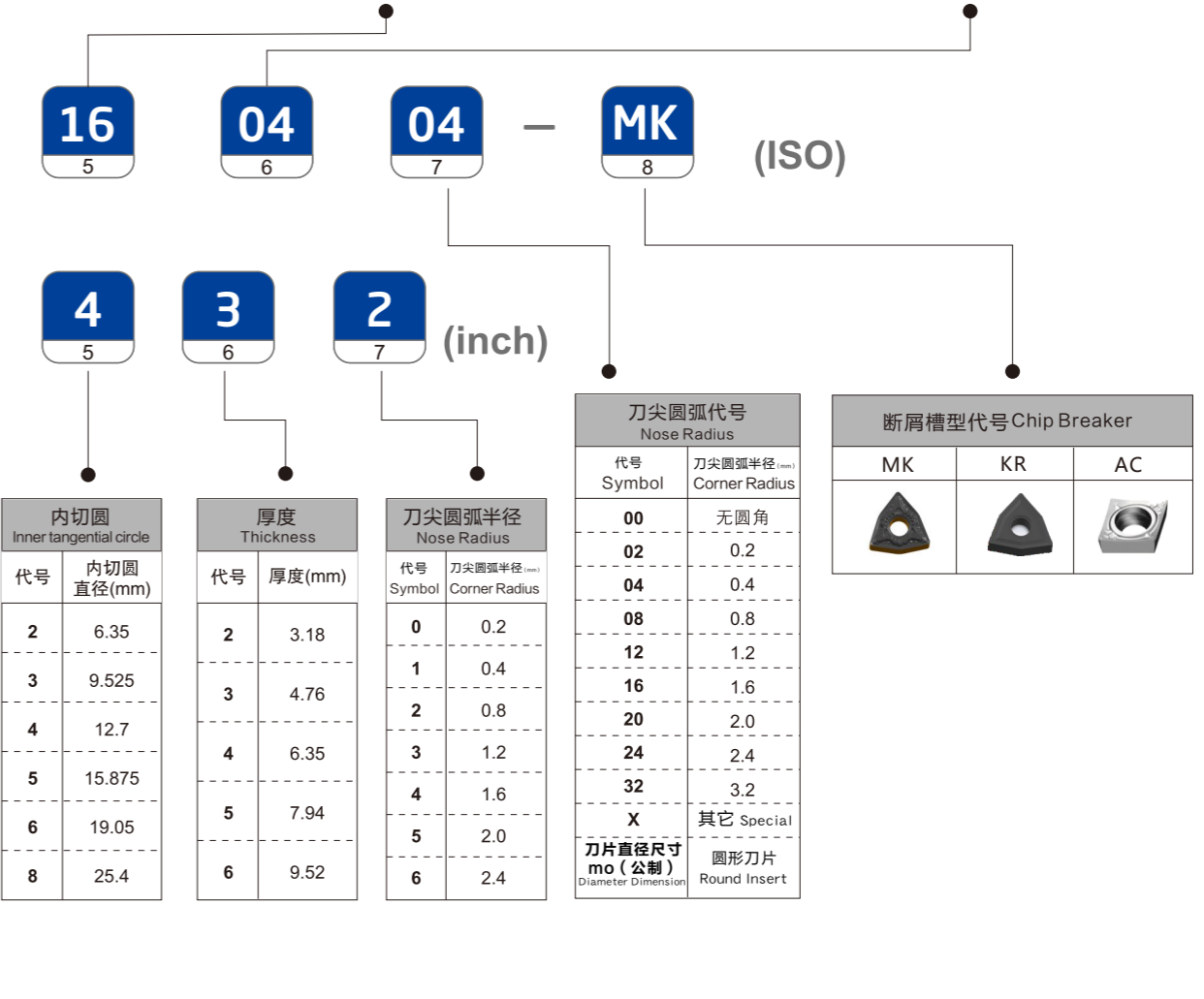
刀片形状代号 Insert Shape			公制 ISO Code				
代号	有无孔	有无断屑槽	刀片剖面	代号	有无孔	有无断屑槽	刀片剖面
A	有 Y	无 N		N	无 N	无	
B	有 Y	无 N		N	无 N	无	
C	有 Y	无 N		N	无 N	无	
D	有 Y	单面 Single Face		R	无 N	单面 Single Face	
E	有 Y	单面 Single Face		R	无 N	单面 Single Face	
H	有 Y	单面 Single Face		R	无 N	单面 Single Face	
K	有 Y	无 N		F	无 N	双面 Double Face	
L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

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	刀片高度 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) ● 刀片高度公差 (mm) reference) M grade tolerance detail (according to shape, size.) Tolerance of insert nose height						
				内接圆 Incribed 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	圆形 Round
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	25.4	...	±0.18	...	...	...	...
K	±0.013	±0.05-±0.13	±0.025	...	...	...	...	...	...	...
L	±0.025	±0.05-±0.13	±0.025	6.35	±0.05	±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	±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	...	0.1
				19.05	±0.1	±0.1	±0.1	±0.1	...	±0.13
				25.4	...	±0.13	...	...	...	...

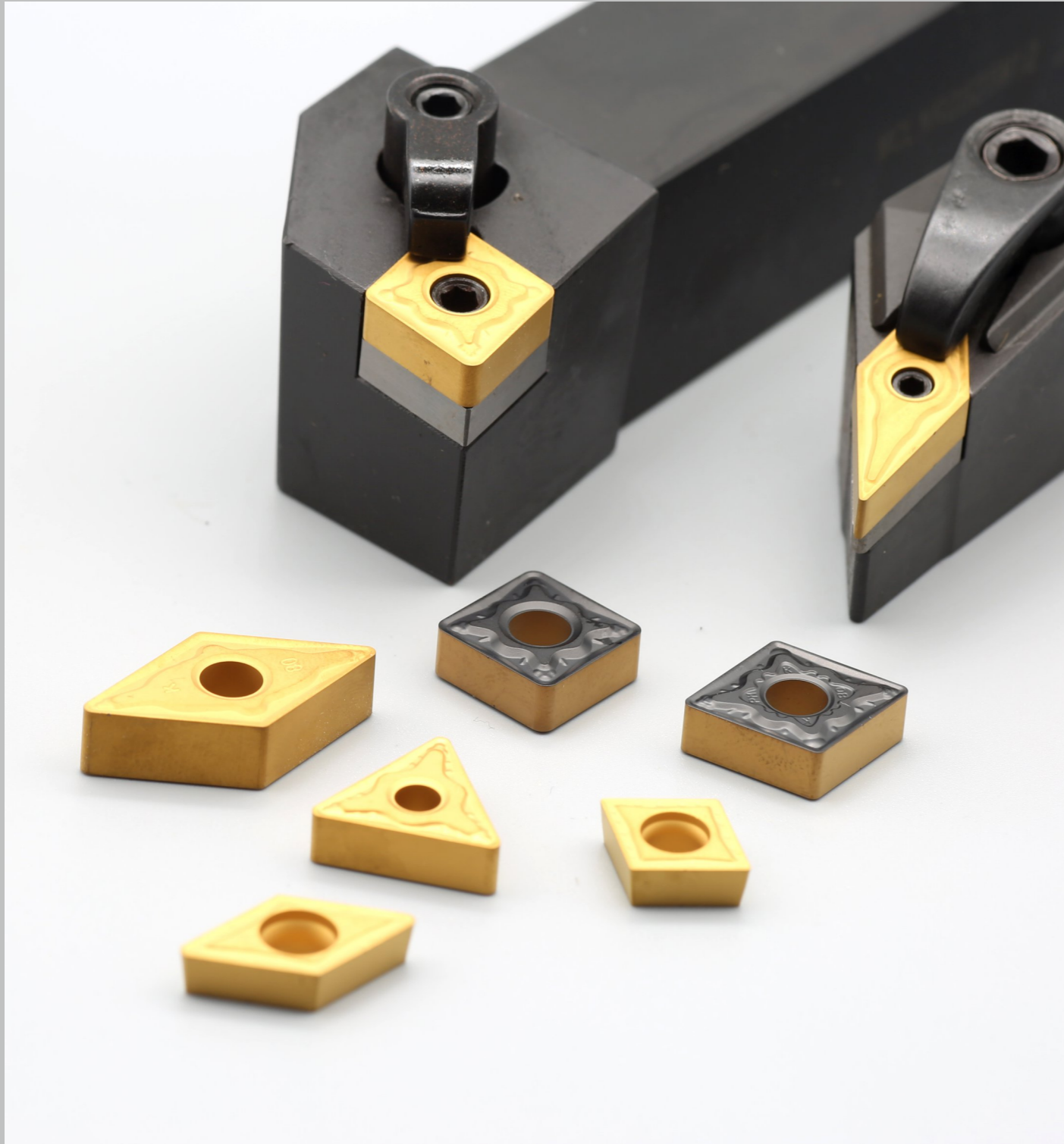
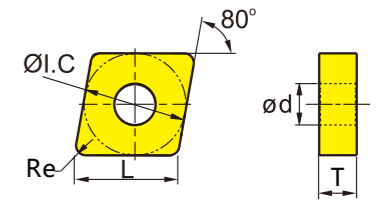
内切圆直径 Incribed Circle diameter (mm)	刀片形状 Insert Shape							
	C	D	R	S	T	V	W	K
3.97					06			
5			05					
5.56					09			
6			06					
6.35	06	07			11	11		
8			08					
9.525	09	11	09	09	16	16	06	16
10			10					
12			12					
12.7	12	15	12	12	22	22	08	
15.875	16		15	15	27			
16			19	16				
19.05	19		19	19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

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



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	MU4001	MU4101	MU4201	MU1001	MU1201	MU5001
	CNMG090304-MK	9.525	3.18	3.81	0.4	▲	▲	●	▲	▲	●
	CNMG090308-MK	9.525	3.18	3.81	0.8	▲	▲	●	▲	▲	●
	CNMG120404-MK	12.7	4.76	5.16	0.4	▲	▲	●	▲	▲	●
	CNMG120408-MK	12.7	4.76	5.16	0.8	▲	▲	●	▲	▲	●
	CNMG120412-MK	12.7	4.76	5.16	1.2	▲	▲	●	▲	▲	●
	CNMG120416-MK	12.7	4.76	5.16	1.6	▲	▲	●	▲	▲	●
	CNMG160608-MK	16.1	4.76	6.35	0.8	▲	▲	●	▲	▲	●
	CNMG160612-MK	16.1	4.76	6.35	1.2	▲	▲	●	▲	▲	●
	CNMG160616-MK	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	▲	▲	●	▲	▲	●

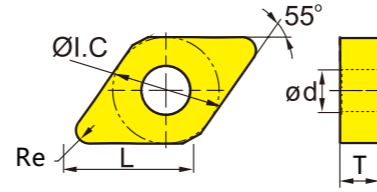
▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order

General Turning Inserts for Steel

钢件车削

钢件车削 General Turning Inserts for Steel

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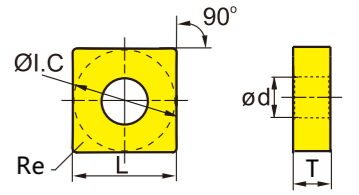


产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)				可选牌号 Grade for Choice					
		ØI.C	厚度 T	内孔 Ød	刀尖圆角 Re	MU4001	MU4101	MU4201	MU1001	MU1201	MU5001
	DNMG110404-MK	9.525	4.76	3.81	0.4	▲	▲	●	▲	▲	●
	DNMG110408-MK	9.525	4.76	3.81	0.8	▲	▲	●	▲	▲	●
	DNMG150404-MK	12.7	4.76	5.16	0.4	▲	▲	●	▲	▲	●
	DNMG150408-MK	12.7	4.76	5.16	0.8	▲	▲	●	▲	▲	●
	DNMG150412-MK	12.7	4.76	5.16	1.2	▲	▲	●	▲	▲	●
	DNMG150604-MK	12.7	6.35	5.16	0.4	▲	▲	●	▲	▲	●
	DNMG150608-MK	12.7	6.35	5.16	0.8	▲	▲	●	▲	▲	●
	DNMG150612-MK	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

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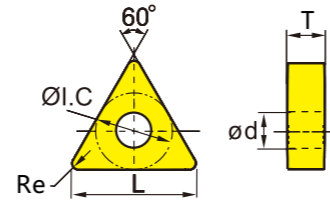


产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)				可选牌号 Grade for Choice					
		ØI.C	厚度 T	内孔 Ød	刀尖圆角 Re	MU4001	MU4101	MU4201	MU1001	MU1201	MU5001
	SNMG090304-MK	9.525	3.18	3.81	0.4	▲	▲	●	▲	▲	●
	SNMG090308-MK	9.525	3.18	3.81	0.8	▲	▲	●	▲	▲	●
	SNMG120404-MK	12.7	4.76	5.16	0.4	▲	▲	●	▲	▲	●
	SNMG120408-MK	12.7	4.76	5.16	0.8	▲	▲	●	▲	▲	●
	SNMG120412PMK	12.7	4.76	5.16	1.2	▲	▲	●	▲	▲	●
	SNMG150612-MK	15.878	6.35	6.35	0.8	▲	▲	●	▲	▲	●
	SNMG190612-MK	19.05	6.35	7.94	1.2	▲	▲	●	▲	▲	●
	SNMG190616-MK	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□□

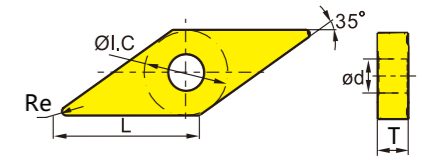


产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)				可选牌号 Grade for Choice					
		ØI.C	厚度 T	内孔 Φd	刀尖圆角 Re	MU4001	MU4101	MU4201	MU1001	MU1201	MU5001
	TNMG160404-MK	9.525	4.76	3.81	0.4	▲	▲	●	▲	▲	●
	TNMG160408-MK	9.525	4.76	3.81	0.8	▲	▲	●	▲	▲	●
	TNMG160412-MK	9.525	4.76	3.81	1.2	▲	▲	●	▲	▲	●
	TNMG220404-MK	12.7	4.76	5.16	0.4	▲	▲	●	▲	▲	●
	TNMG220408-MK	12.7	4.76	5.16	0.8	▲	▲	●	▲	▲	●
	TNMG220412-MK	12.7	4.76	5.16	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□□

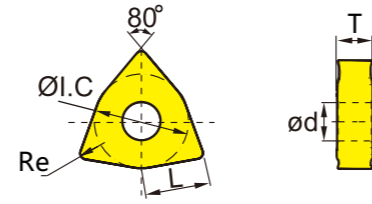


产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)				可选牌号 Grade for Choice					
		ØI.C	厚度 T	内孔 Φd	刀尖圆角 Re	MU4001	MU4101	MU4201	MU1001	MU1201	MU5001
	VNMG160404-MK	9.525	4.76	3.81	0.4	▲	▲	●	▲	▲	●
	VNMG160408-MK	9.525	4.76	3.81	0.8	▲	▲	●	▲	▲	●
	VNMG160412-MK	9.525	4.76	3.81	1.2	▲	▲	●	▲	▲	●
	VNMG160404	9.525	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□□

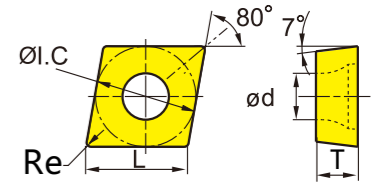


产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)				可选牌号 Grade for Choice					
		ØI.C	厚度 T	内孔 Φd	刀尖圆角 Re	MU4001	MU4101	MU4201	MU1001	MU1201	MU5001
	WNMG060408-MK	9.525	4.76	3.81	0.8	▲	▲	●	▲	▲	●
	WNMG060412-MK	9.525	4.76	3.81	1.2	▲	▲	●	▲	▲	●
	WNMG080404-MK	12.7	4.76	5.16	0.4	▲	▲	●	▲	▲	●
	WNMG080408-MK	12.7	4.76	5.16	0.8	▲	▲	●	▲	▲	●
	WNMG080412-MK	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□□

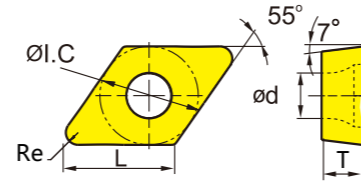


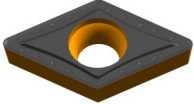
产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)				可选牌号 Grade for Choice					
		ØI.C	厚度 T	内孔 Φd	刀尖圆角 Re	MU4001	MU4101	MU4201	MU1001	MU1201	MU5001
	CCMT060204-MK	6.35	2.38	2.8	0.4	▲	▲	●	▲	▲	●
	CCMT060208-MK	6.35	2.38	2.8	0.8	▲	▲	●	▲	▲	●
	CCMT09T304-MK	9.525	3.97	4.4	0.4	▲	▲	●	▲	▲	●
	CCMT09T308-MK	9.525	3.97	4.4	0.8	▲	▲	●	▲	▲	●
	CCMT120404-MK	12.7	4.76	5.56	0.4	▲	▲	●	▲	▲	●
	CCMT120408-MK	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□□

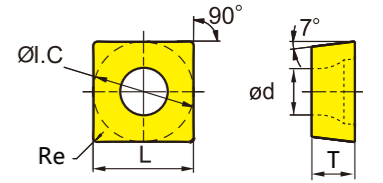


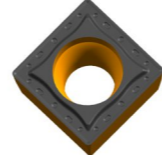
产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)				可选牌号 Grade for Choice					
		ØL.C	厚度 T	内孔 Φd	刀尖圆角 Re	MU4001	MU4101	MU4201	MU1001	MU1201	MU5001
	DCMT070204-MK	6.35	2.38	2.8	0.4	▲	▲	●	▲	▲	●
	DCMT070208-MK	6.35	2.38	2.8	0.8	▲	▲	●	▲	▲	●
	DCMT11T304-MK	9.525	3.97	4.4	0.4	▲	▲	●	▲	▲	●
	DCMT11T308-MK	9.525	3.97	4.4	0.8	▲	▲	●	▲	▲	●
	DCMT11T312-MK	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□□

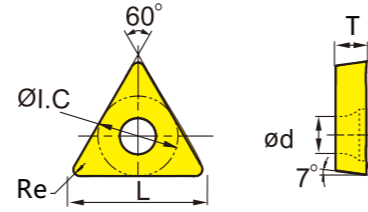


产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)				可选牌号 Grade for Choice					
		ØL.C	厚度 T	内孔 Φd	刀尖圆角 Re	MU4001	MU4101	MU4201	MU1001	MU1201	MU5001
	SCMT09T304-MK	9.525	3.97	4.4	0.4	▲	▲	●	▲	▲	●
	SCMT09T308-MK	9.525	3.97	4.4	0.8	▲	▲	●	▲	▲	●
	SCMT120404-MK	12.7	4.76	5.56	0.4	▲	▲	●	▲	▲	●
	SCMT120408-MK	12.7	4.76	5.56	0.8	▲	▲	●	▲	▲	●
	SCMT120412-MK	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□□

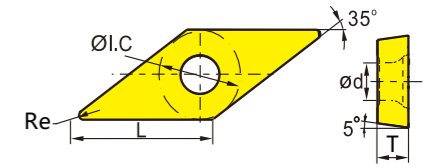


产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)				可选牌号 Grade for Choice					
		ØI.C	厚度 T	内孔 Φd	刀尖圆角 Re	MU4001	MU4101	MU4201	MU1001	MU1201	MU5001
	TCMT090204-MK	5.56	2.38	2.5	0.4	▲	▲	●	▲	▲	●
	TCMT090208-MK	5.56	2.38	2.5	0.8	▲	▲	●	▲	▲	●
	TCMT110204-MK	6.35	2.38	2.8	0.4	▲	▲	●	▲	▲	●
	TCMT110208-MK	6.35	2.38	2.8	0.4	▲	▲	●	▲	▲	●
	TCMT16T304-MK	9.525	3.97	4.4	0.4	▲	▲	●	▲	▲	●
	TCMT16T308-MK	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□□

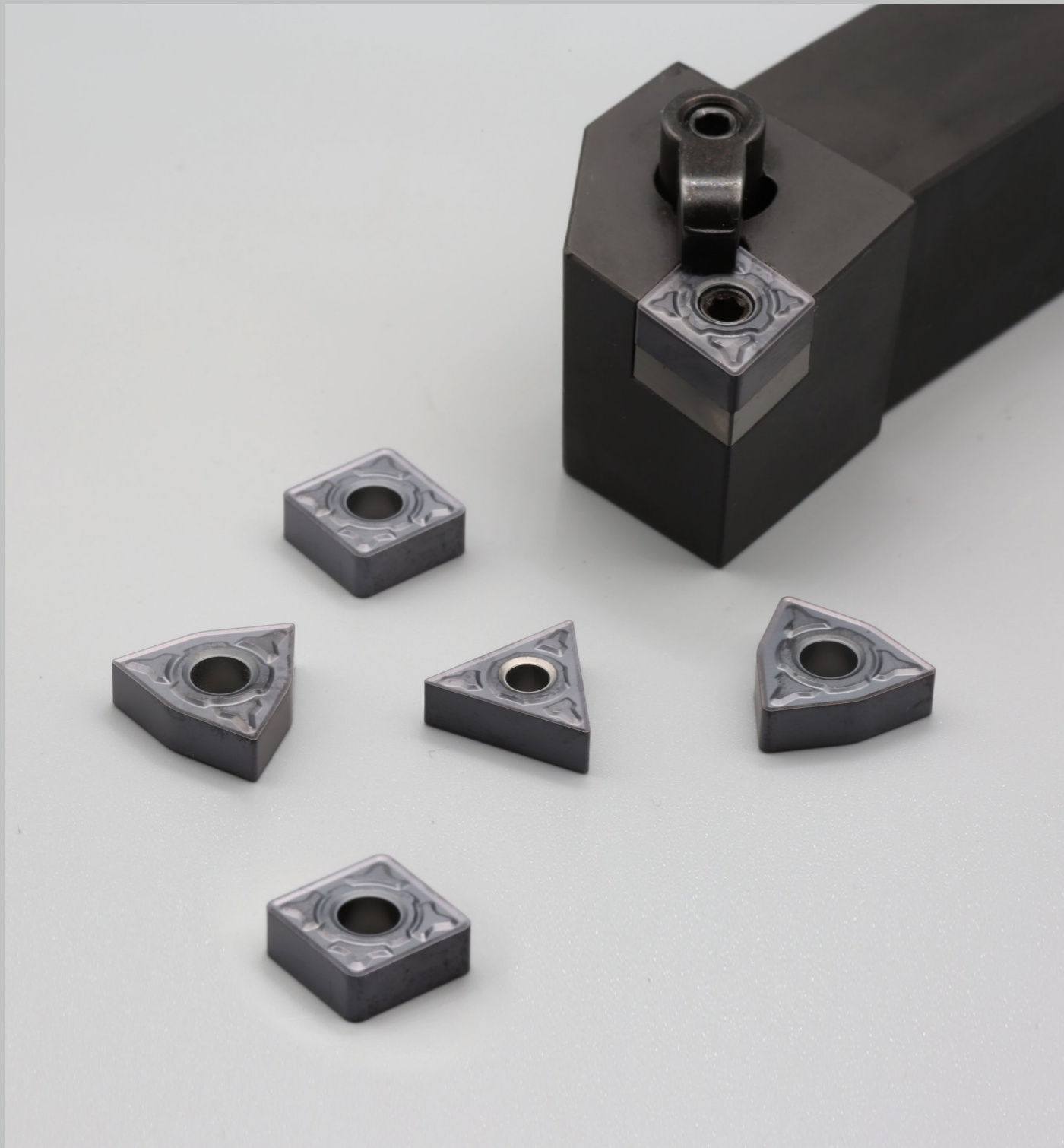
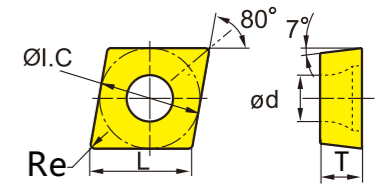


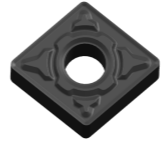
产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)				可选牌号 Grade for Choice					
		ØI.C	厚度 T	内孔 Φd	刀尖圆角 Re	MU4001	MU4101	MU4201	MU1001	MU1201	MU5001
	VBMT160404-MK	9.525	4.76	4.4	0.4	▲	▲	●	▲	▲	●
	VBMT160408-MK	9.525	4.76	4.4	0.8	▲	▲	●	▲	▲	●
	VBMT160412-MK	9.525	4.76	4.4	1.2	▲	▲	●	▲	▲	●

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

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	MU1001	MU1201	MU1301	MU5001	MU5201
	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	▲	▲	●	●	●

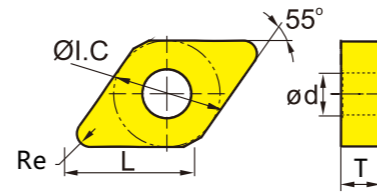
▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order

General Turning Inserts for Stainless Steel

不锈钢车削

不锈钢车削 General Turning Inserts for Stainless Steel

DN□□

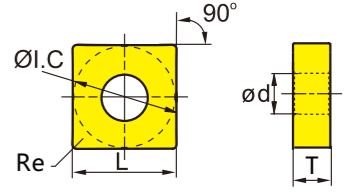


产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)				可选牌号 Grade for Choice				
		ØI.C	厚度 T	内孔 Φd	刀尖圆角 Re	MUI001	MUI201	MUI301	MU5001	MU5201
	DNMG110404-MM	9.525	4.76	3.81	0.4	▲	▲	●	●	●
	DNMG110408-MM	9.525	4.76	3.81	0.8	▲	▲	●	●	●
	DNMG150404-MM	12.7	4.76	5.16	0.4	▲	▲	●	●	●
	DNMG150408-MM	12.7	4.76	5.16	0.8	▲	▲	●	●	●
	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□□

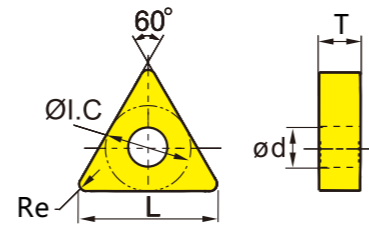



产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)				可选牌号 Grade for Choice				
		ØI.C	厚度 T	内孔 Φd	刀尖圆角 Re	MUI001	MUI201	MUI301	MU5001	MU5201
	SNMG090304-MM	9.525	3.18	3.81	0.4	▲	▲	●	●	●
	SNMG090308-MM	9.525	3.18	3.81	0.8	▲	▲	●	●	●
	SNMG120404-MM	12.7	4.76	5.16	0.4	▲	▲	●	●	●
	SNMG120408-MM	12.7	4.76	5.16	0.8	▲	▲	●	●	●
	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□□

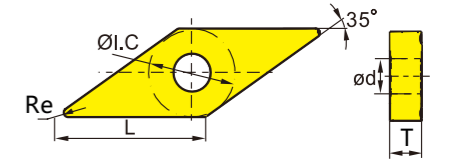



产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)				可选牌号 Grade for Choice				
		ØI.C	厚度 T	内孔 Φd	刀尖圆角 Re	MU1001	MU1201	MU1301	MU5001	MU5201
	TNMG160404-MM	9.525	4.76	3.81	0.4	▲	▲	●	●	●
	TNMG160408-MM	9.525	4.76	3.81	0.8	▲	▲	●	●	●
	TNMG160412-MM	9.525	4.76	3.81	1.2	▲	▲	●	●	●
	TNMG220404-MM	12.7	4.76	5.16	0.4	▲	▲	●	●	●
	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□□

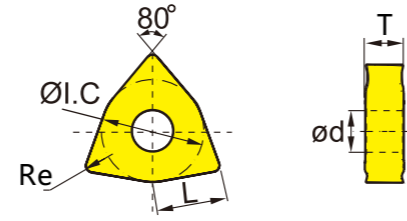


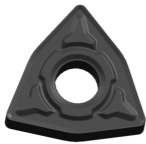
产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)				可选牌号 Grade for Choice				
		ØI.C	厚度 T	内孔 Φd	刀尖圆角 Re	MU1001	MU1201	MU1301	MU5001	MU5201
	VNMG160404-MM	9.525	4.76	3.81	0.4	▲	▲	●	●	●
	VNMG160408-MM	9.525	4.76	3.81	0.8	▲	▲	●	●	●
	VNMG160412-MM	9.525	4.76	3.81	1.2	▲	▲	●	●	●

▲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□□

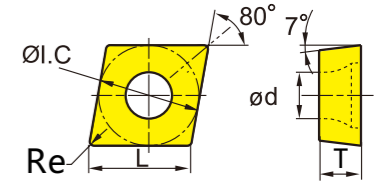


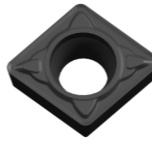
产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)				可选牌号 Grade for Choice				
		ØI.C	厚度 T	内孔 Φd	刀尖圆角 Re	MUI001	MUI201	MUI301	MU5001	MU5201
	WNMG060404-MM	9.525	4.76	3.81	0.4	▲	▲	●	●	●
	WNMG060408-MM	9.525	4.76	3.81	0.8	▲	▲	●	●	●
	WNMG080404-MM	12.7	4.76	5.16	0.4	▲	▲	●	●	●
	WNMG080408-MM	12.7	4.76	5.16	0.8	▲	▲	●	●	●
	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□□

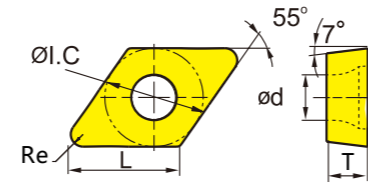


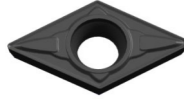
产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)				可选牌号 Grade for Choice				
		ØI.C	厚度 T	内孔 Φd	刀尖圆角 Re	MUI001	MUI201	MUI301	MU5001	MU5201
	CCMT060202-MM	6.35	2.38	2.8	0.2	▲	▲	●	●	●
	CCMT060204-MM	6.35	2.38	2.8	0.4	▲	▲	●	●	●
	CCMT09T302-MM	9.525	3.97	4.4	0.2	▲	▲	●	●	●
	CCMT09T304-MM	9.525	3.97	4.4	0.4	▲	▲	●	●	●
	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□□

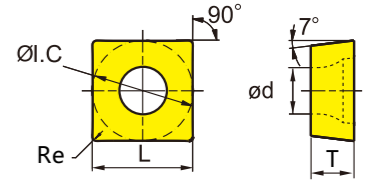


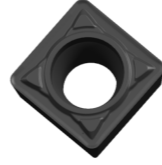
产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)				可选牌号 Grade for Choice				
		ØI.C	厚度 T	内孔 Φd	刀尖圆角 Re	MU1001	MU1201	MU1301	MU5001	MU5201
	DCMT070202-MM	6.35	2.38	2.8	0.2	▲	▲	●	●	●
	DCMT070204-MM	6.35	2.38	2.8	0.4	▲	▲	●	●	●
	DCMT070208-MM	6.35	2.38	2.8	0.8	▲	▲	●	●	●
	DCMT11T302-MM	9.525	3.97	4.4	0.2	▲	▲	●	●	●
	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□□

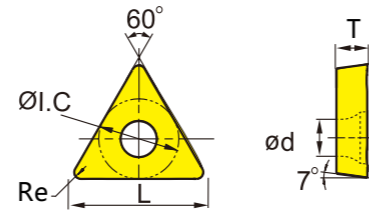


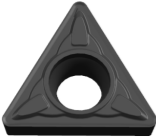
产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)				可选牌号 Grade for Choice				
		ØI.C	厚度 T	内孔 Φd	刀尖圆角 Re	MU1001	MU1201	MU1301	MU5001	MU5201
	SCMT09T302-MM	9.525	3.97	4.4	0.2	▲	▲	●	●	●
	SCMT09T304-MM	9.525	3.97	4.4	0.4	▲	▲	●	●	●
	SCMT09T308-MM	9.525	3.97	4.4	0.8	▲	▲	●	●	●
	SCMT120404-MM	12.7	4.76	5.56	0.4	▲	▲	●	●	●
	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□□

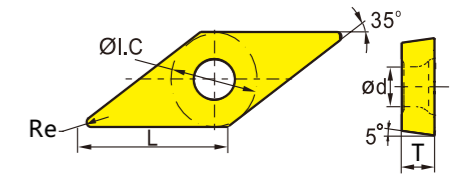


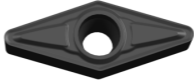
产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)				可选牌号 Grade for Choice				
		ØI.C	厚度 T	内孔 Φd	刀尖圆角 Re	MU1001	MU1201	MU1301	MU5001	MU5201
	TCMT090202-MM	5.56	2.38	2.5	0.2	▲	▲	●	●	●
	TCMT090204-MM	5.56	2.38	2.5	0.4	▲	▲	●	●	●
	TCMT110202-MM	6.35	2.38	2.8	0.2	▲	▲	●	●	●
	TCMT110204-MM	6.35	2.38	2.8	0.4	▲	▲	●	●	●
	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□□

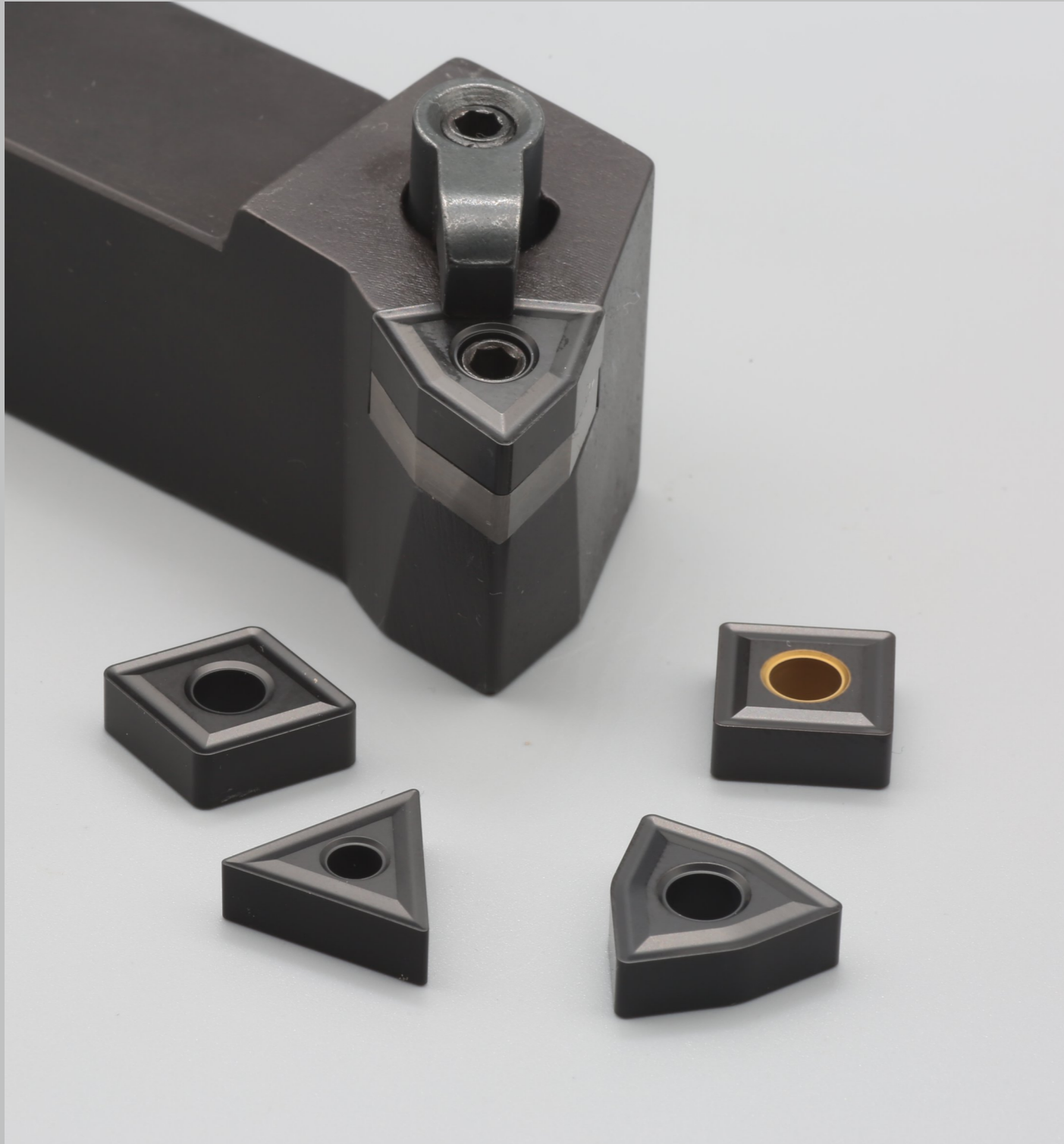
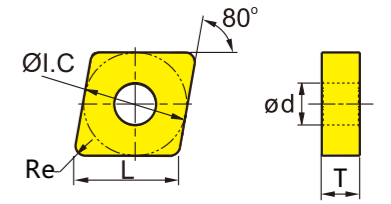


产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)				可选牌号 Grade for Choice				
		ØI.C	厚度 T	内孔 Φd	刀尖圆角 Re	MU1001	MU1201	MU1301	MU5001	MU5201
	VBMT160404-MM	9.525	4.76	4.4	0.4	▲	▲	●	●	●
	VBMT160408-MM	9.525	4.76	4.4	0.8	▲	▲	●	●	●
	VBMT160412-MM	9.525	4.76	4.4	1.2	▲	▲	●	●	●

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

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	MU3101	MU3201	MU5001	MU5201
	CNMG120404-KR	12.7	4.76	5.16	0.4	▲	●	●	●
	CNMG120408-KR	12.7	4.76	5.16	0.8	▲	●	●	●
	CNMG120412-KR	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	▲	●	●	●

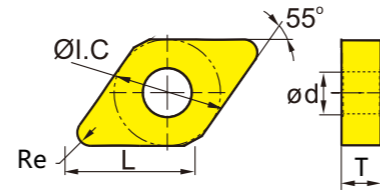
▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order

General Turning Inserts for Cast Iron

铸铁车削

铸铁车削 General Turning Inserts for Cast Iron

DN□□

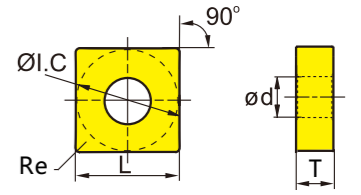


产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)				可选牌号 Grade for Choice			
		ØI.C	厚度 T	内孔 Φd	刀尖圆角 Re	MU3101	MU3201	MU5001	MU5201
	DNMG150404-KR	12.7	4.76	5.16	0.4	▲	●	●	●
	DNMG150408-KR	12.7	4.76	5.16	0.8	▲	●	●	●
	DNMG150412-KR	12.7	4.76	5.16	1.2	▲	●	●	●
	DNMA150404	12.7	4.76	5.16	0.4	▲	●	●	●
	DNMA150408	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□□

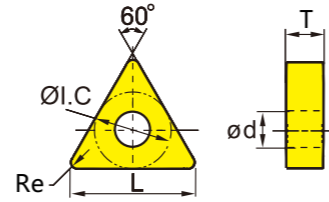


产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)				可选牌号 Grade for Choice			
		ØI.C	厚度 T	内孔 Φd	刀尖圆角 Re	MU3101	MU3201	MU5001	MU5201
	SNMG120404-KR	12.7	4.76	5.16	0.4	▲	●	●	●
	SNMG120408-KR	12.7	4.76	5.16	0.8	▲	●	●	●
	SNMG120412-KR	12.7	4.76	5.16	1.2	▲	●	●	●
	SNMA120404	12.7	4.76	5.16	0.4	▲	●	●	●
	SNMA120408	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□□

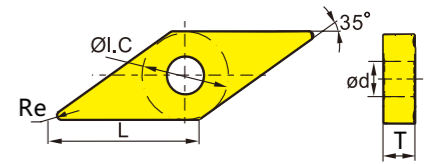


产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)				可选牌号 Grade for Choice			
		ØI.C	厚度 T	内孔 Φd	刀尖圆角 Re	MU3101	MU3201	MU5001	MU5201
	TNMG160404-KR	9.525	4.76	3.81	0.4	▲	●	●	●
	TNMG160408-KR	9.525	4.76	3.81	0.8	▲	●	●	●
	TNMG160412-KR	9.525	4.76	3.81	1.2	▲	●	●	●
	TNMA160404	9.525	4.76	3.81	0.4	▲	●	●	●
	TNMA160408	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□□

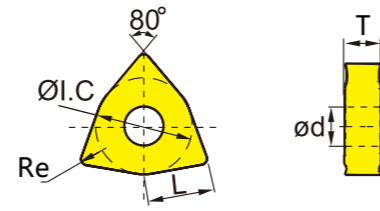




产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)				可选牌号 Grade for Choice			
		ØI.C	厚度 T	内孔 Φd	刀尖圆角 Re	MU3101	MU3201	MU5001	MU5201
	VNMG160404-KR	9.525	4.76	3.81	0.4	▲	●	●	●
	VNMG160408-KR	9.525	4.76	3.81	0.8	▲	●	●	●
	VNMG160412-KR	9.525	4.76	3.81	1.2	▲	●	●	●
	VNMA160404	9.525	4.76	3.81	0.4	▲	●	●	●
	VNMA160408	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□□

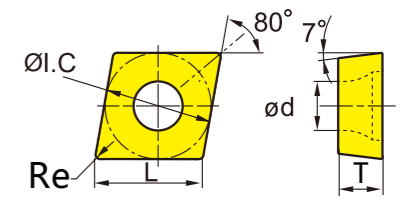


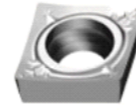
产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)				可选牌号 Grade for Choice			
		ØI.C	厚度 T	内孔 Φd	刀尖圆角 Re	MU3101	MU3201	MU5001	MU5201
	WNMG080404-KR	12.7	4.76	5.16	0.4	▲	●	●	●
	WNMG080408-KR	12.7	4.76	5.16	0.8	▲	●	●	●
	WNMG080412-KR	12.7	4.76	5.16	1.2	▲	●	●	●
	WNMA080404	12.7	4.76	5.16	0.4	▲	●	●	●
	WNMA080408	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□□

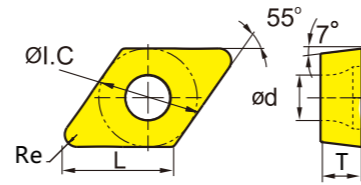



产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)				可选牌号 Grade for Choice		
		ØI.C	厚度 T	内孔 Φd	刀尖圆角 Re	MU2001	MU2201	MU5001
	CCMT060202K-AC	6.35	2.38	2.8	0.2	▲		
	CCMT060204K-AC	6.35	2.38	2.8	0.4	▲	●	
	CCMT09T302K-AC	9.525	3.97	4.4	0.2	▲		
	CCMT09T304K-AC	9.525	3.97	4.4	0.4	▲	●	
	CCMT09T308K-AC	9.525	3.97	4.4	0.8	▲	●	
	CCMT120404K-AC	12.7	4.76	5.56	0.4	▲	●	●
	CCMT120408K-AC	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□□

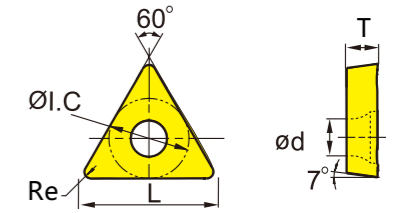



产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)				可选牌号 Grade for Choice		
		ØI.C	厚度 T	内孔 Φd	刀尖圆角 Re	MU2001	MU2201	MU5001
	DCGX070202K-AC	6.35	2.38	2.8	0.2	▲		
	DCGX070204K-AC	6.35	2.38	2.8	0.4	▲	●	
	DCGX11T302K-AC	9.525	3.97	4.4	0.2	▲		
	DCGX11T304K-AC	9.525	3.97	4.4	0.4	▲	●	●
	DCGX11T308K-AC	9.525	3.97	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□□

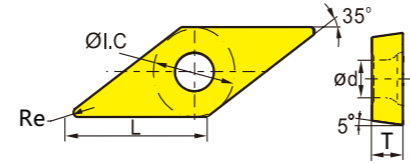



产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)				可选牌号 Grade for Choice		
		ØI.C	厚度 T	内孔 Φd	刀尖圆角 Re	MU2001	MU2201	MU5001
	TCGX090202K-AC	5.56	2.38	2.5	0.2	▲	●	
	TCGX090204K-AC	5.56	2.38	2.5	0.4	▲	●	
	TCGX110202K-AC	6.35	2.38	2.8	0.2	▲	●	
	TCGX110204K-AC	6.35	2.38	2.8	0.4	▲	●	
	TCGX110208K-AC	6.35	2.38	2.8	0.8	▲	●	
	TCGX16T304K-AC	9.525	3.97	4.4	0.4	▲	●	●
	TCGX16T308K-AC	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□□

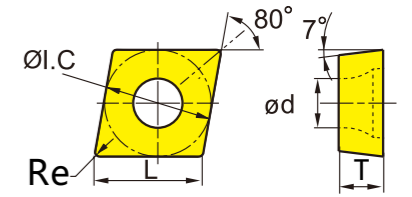


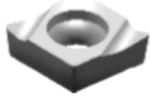
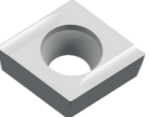
产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)				可选牌号 Grade for Choice		
		ØI.C	厚度 T	内孔 Φd	刀尖圆角 Re	MU2001	MU2201	MU5001
	VCGX110302K-AC	6.35	3.18	2.8	0.2	▲		
	VCGX110304K-AC	6.35	3.18	2.8	0.4	▲		
	VCGX110308K-AC	6.35	3.18	2.8	0.8	▲	●	
	VCGX160404K-AC	9.525	4.76	4.4	0.4	▲		●
	VCGX160408K-AC	9.525	4.76	4.4	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□□

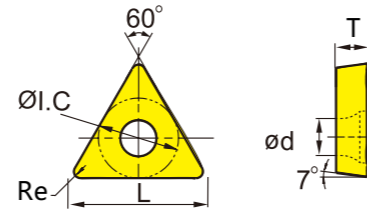


产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)					可选牌号 Grade for Choice		
		ØI.C	厚度 T	内孔 Φd	后角 S	刀尖圆角 Re	MU1001	MU1201	MU5001
	CCGT030102L/R	3.5	1.4	1.9	7	0.2	▲	●	●
	CCGT030104L/R	3.5	1.4	1.9	7	0.4	▲	●	●
	CCGT040102L/R	4.3	1.8	2.3	7	0.2	▲	●	●
	CCGT040104L/R	4.3	1.8	2.3	7	0.4	▲	●	●
	CCGT060202L/R	6.35	2.38	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□□

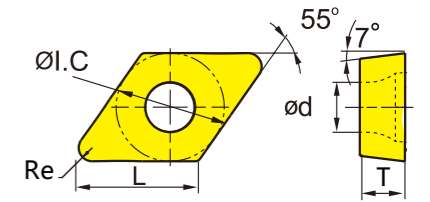


产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)					可选牌号 Grade for Choice		
		$\phi I.C$	厚度 T	内孔 ϕd	后角 S	刀尖圆角 Re	MU1001	MU1201	MU5001
	TBGT060101L/R	3.97	1.59	2.3	5	0.1	▲	●	●
	TBGT060102L/R	3.97	1.59	2.3	5	0.2	▲	●	●
	TBGT060104L/R	3.97	1.59	2.3	5	0.4	▲	●	●
	TPGH080201L/R	4.76	2.38	2.3	11	0.1	▲	●	●
	TPGH080202L/R	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□□

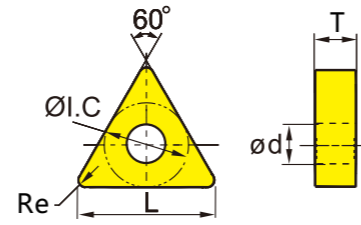


产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)					可选牌号 Grade for Choice		
		$\phi I.C$	厚度 T	内孔 ϕd	后角 S	刀尖圆角 Re	MU1001	MU1201	MU5001
	DCGT070202L/R	6.35	2.38	2.8	7	0.2	▲	●	●
	DCGT070204L/R	6.35	2.38	2.8	7	0.4	▲	●	●
	DCGT11T302L/R	9.525	3.97	4.4	7	0.2	▲	●	●
	DCGT11T304L/R	9.525	3.97	4.4	7	0.4	▲	●	●
	DCGT11T308L/R	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□□

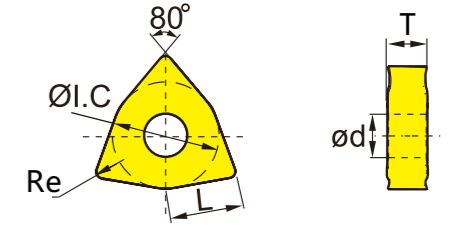


产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)					可选牌号 Grade for Choice		
		ØI.C	厚度 T	内孔 Φd	后角 S	刀尖圆角 Re	MU1001	MU1201	MU5001
	TNGG160402L-B	9.525	4.76	3.81	0	0.2	▲	●	●
	TNGG160402R-B	9.525	4.76	3.81	0	0.2	▲	●	●
	TNGG160404L-B	9.525	4.76	3.81	0	0.4	▲	●	●
	TNGG160404R-B	9.525	4.76	3.81	0	0.4	▲	●	●
	TNGG160402L-S	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□□

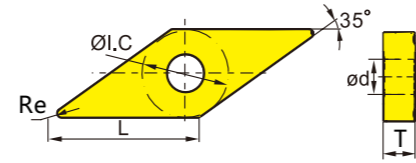


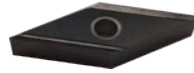
产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)					可选牌号 Grade for Choice		
		ØI.C	厚度 T	内孔 Φd	后角 S	刀尖圆角 Re	MU1001	MU1201	MU5001
	WNGG060402R-S	9.525	4.76	3.9	0	0.2	▲	●	●
	WNGG080402R-S	12.7	4.76	3.9	0	0.2	▲	●	●

▲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□□

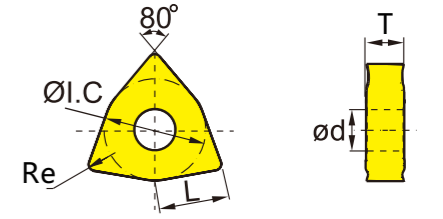



产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)					可选牌号 Grade for Choice		
		ØI.C	厚度 T	内孔 Φd	后角 S	刀尖圆角 Re	MU1001	MU1201	MU5001
	VNGG160402R-H	9.525	4.76	3.9	0	0.2	▲	●	●

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

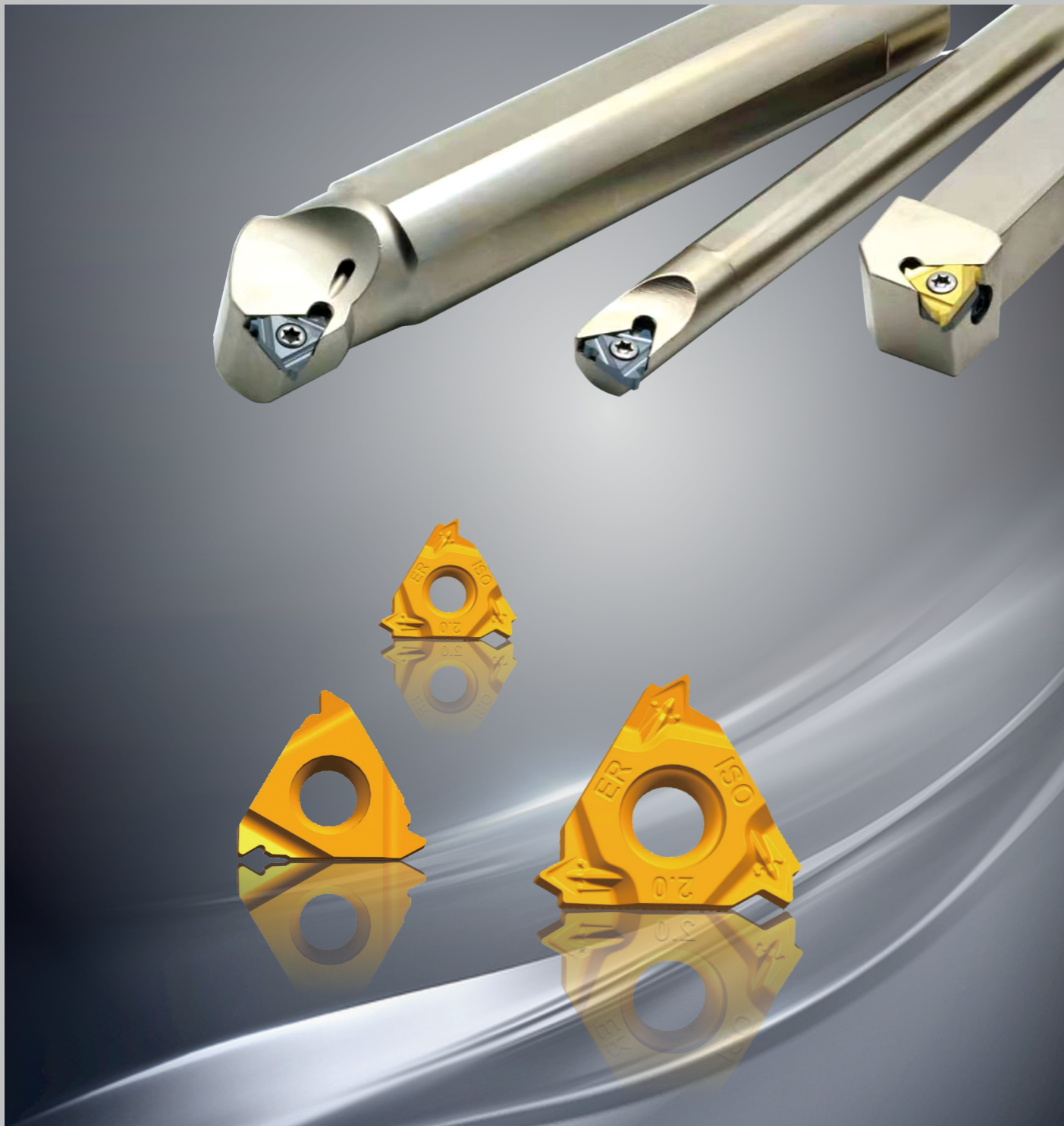
镗孔精车刀片 Boring Tools

WB□□

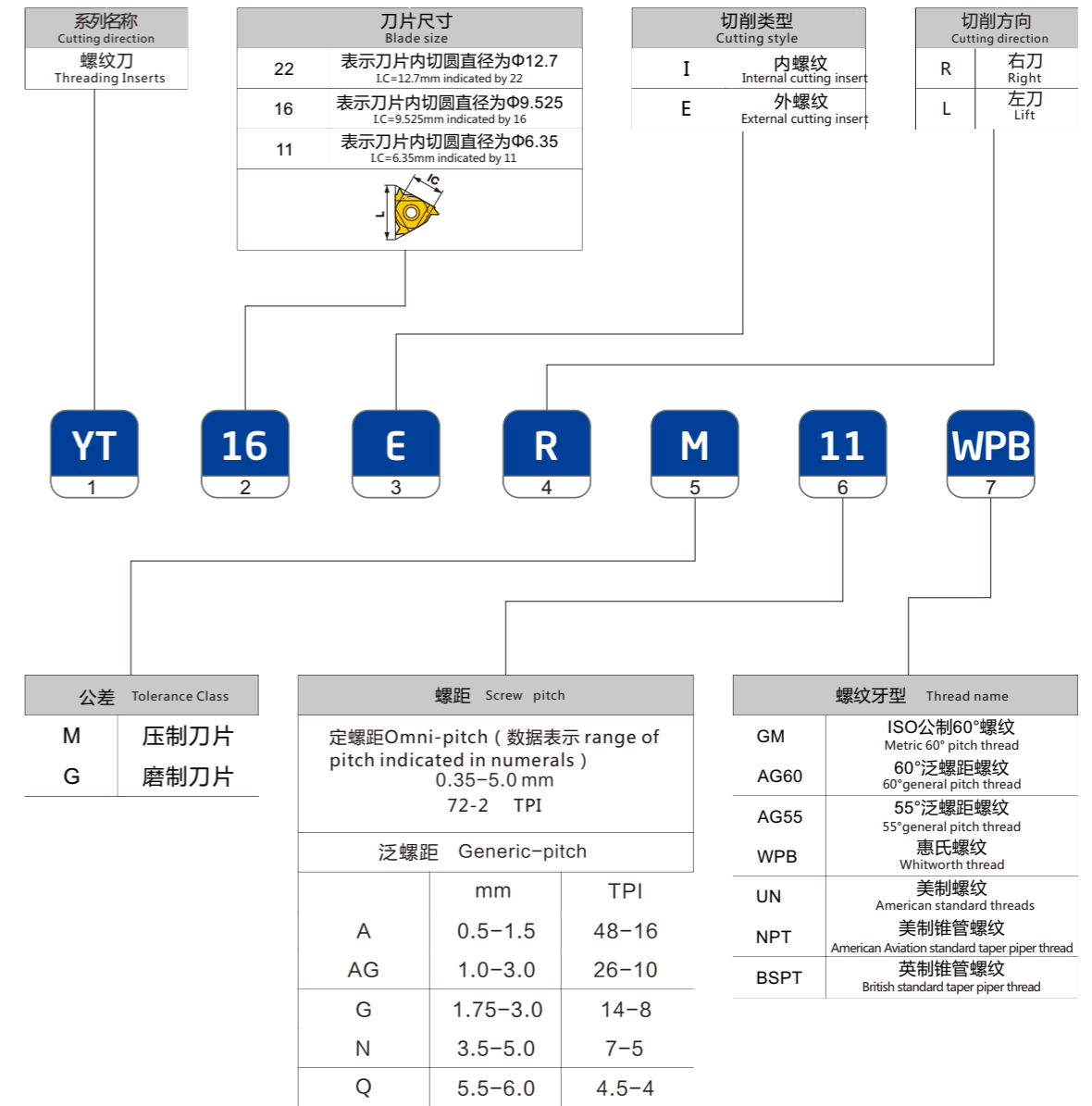


产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)					可选牌号 Grade for Choice		
		ØI.C	厚度 T	内孔 Φd	后角 S	刀尖圆角 Re	MU1001	MU1201	MU5001
	WBGT060102L-2R	3.97	1.6	2.4	5	0.2	▲	●	●
	WBGT060104L-2R	3.97	1.6	2.4	5	0.4	▲	●	●

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



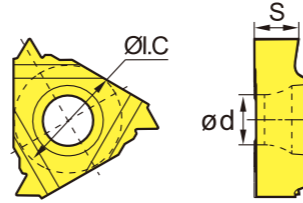
螺纹刀片型号命名规则 Identification System



Threading Inserts

螺纹车削

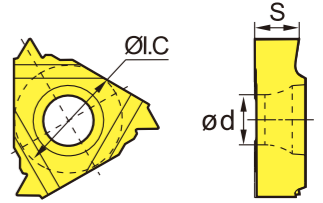
螺纹车削 Threading Inserts



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 Ød	MU1001	MU1201
	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 Ød	MU1001	MU1201
	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	▲	▲

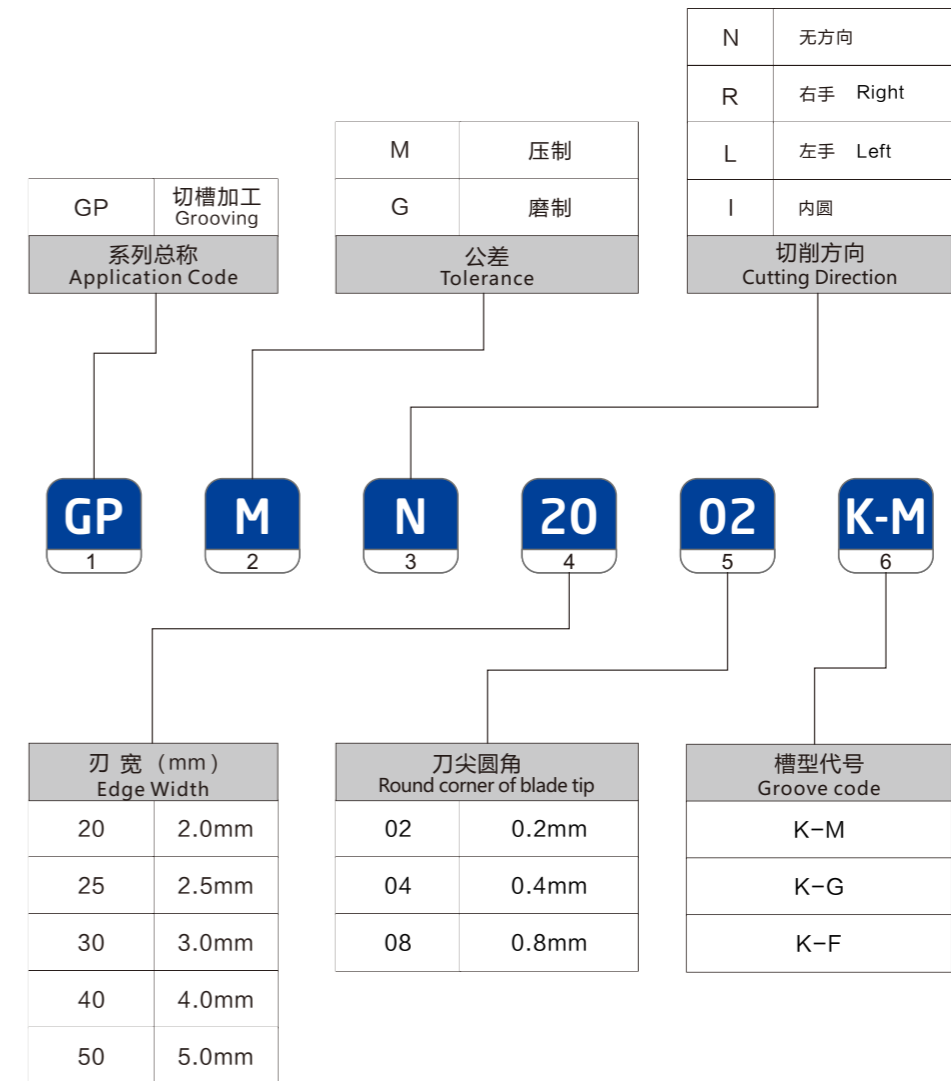
▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order



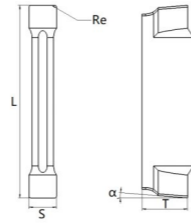
Parting and Grooving Inserts

切断切槽车削

切断切槽刀片型号命名规则 Identification System

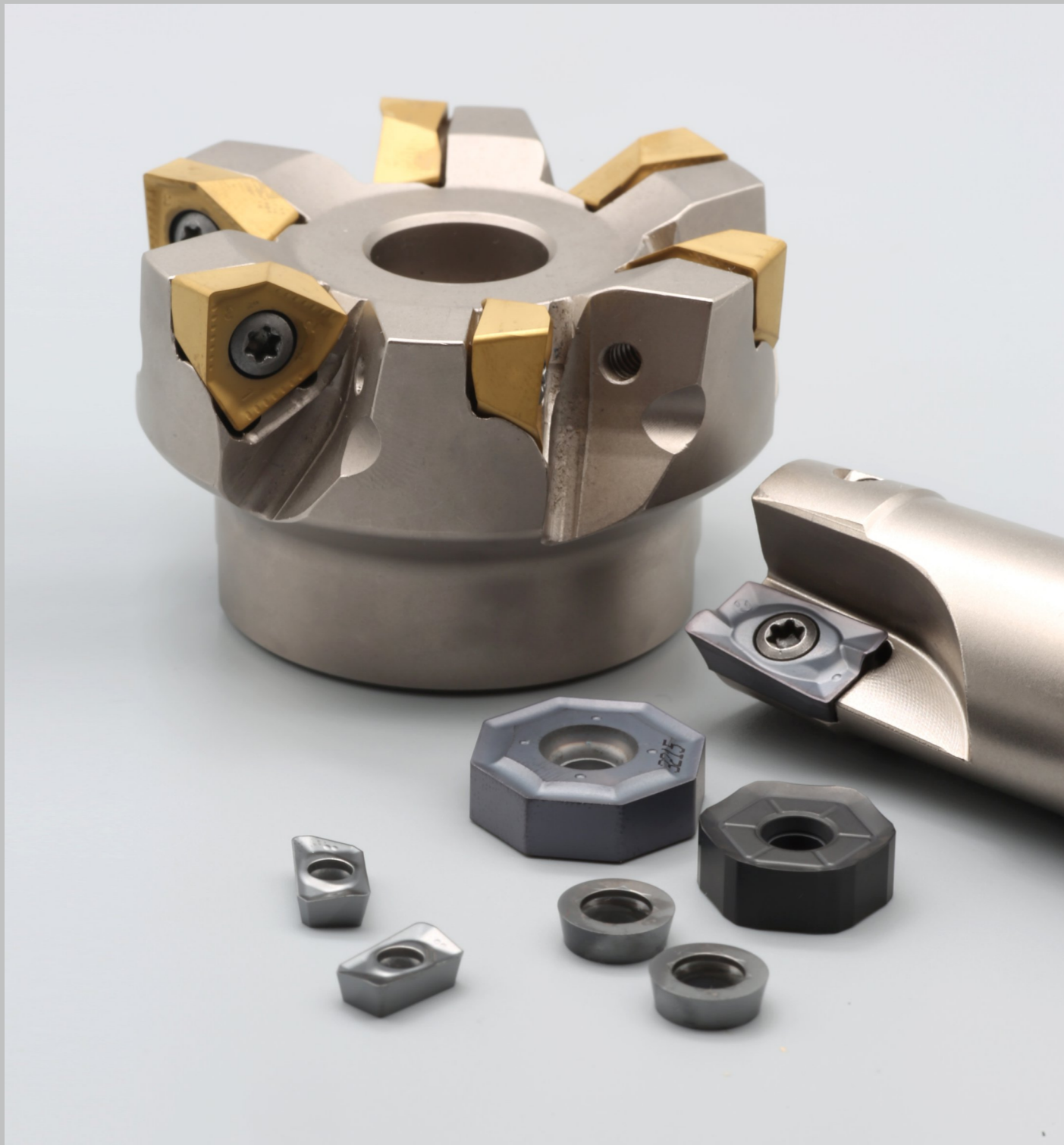


切断切槽车削 Parting and Grooving Inserts



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	MU1001	MU1201	Mu4001	MU4101	MU3101	MU5001	
	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	▲	▲	●	●				
	GPMN1502K-G	14.00	1.50	0.2		▲	●				精加工 Finishing
	GPMN2002K-G	15.85	2.00	0.2		▲	●	●		●	
	GPMN2502K-G	18.45	2.50	0.2		▲	●	●			半精加工 Semi-finishing
	GPMN3004K-G	21.00	3.00	0.4		▲	●	●		●	
	GPMN4004K-G	25.85	4.00	0.4		▲	●	●		●	
	GPMN5008K-G	25.85	5.00	0.8		▲	●	●		●	
GPMN6008K-G	25.85	6.00	0.8		▲	●	●				
	GRMN2010K-F	14.50	2.00	1	▲		●				精加工 Finishing
	GRMN3015K-F	17.00	3.00	1.5	▲		●				
	GRMN4020K-F	22.00	4.00	2	▲		●				半精加工 Semi-finishing
	GRMN5025K-F	22.00	5.00	2.5	▲		●			●	
	GRMN6030K-F	22.00	6.00	3	▲		●			●	

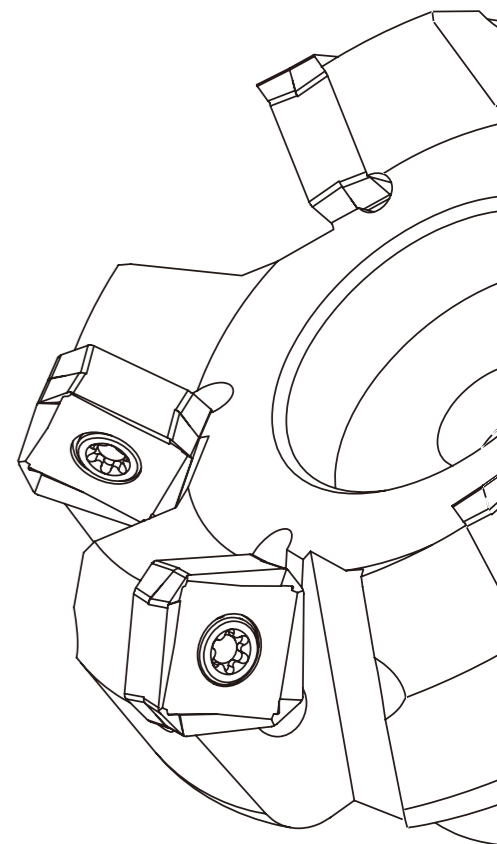
▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order



Milling Inserts — 铣削刀片

B 铣削刀片 MILLING INSERTS

铣削刀片牌号介绍 Grade Informations	063
铣削刀片牌号一览表 Recommended Grade Table	064
铣削刀片型号命名规则 Identification System	065
常规铣削刀片 Carbide Milling Tools	067



铣削刀片牌号介绍 Grade Informations

MU1001	P15~P30 M10-M25	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. 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。
MU1201	K15-K25 P15-P25 M15-M25	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. 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有效的保护，是钢件、不锈钢等材料的铣削加工的首选牌号。
MU1301	P15~P30 M15-M30	Suitable for milling of stainless steel and steel materials under severe working conditions. 适用于恶劣工况下不锈钢与钢材材质的铣削。
MU5001	P10~P25 K10~K25 M10~M25	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. 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。
MU6001	S15~S30	Substrate with excellent deformation resistance plus nano-coating, suitable for semi-finishing milling of hard-to-machine materials such as high-temperature alloys. 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。
MU6201	H10~H15	High hardness and high strength ultra-fine cemented carbide substrate plus nano-coating, suitable for milling of hardened steel. 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。

铣削刀片牌号一览表 Recommended Grade Table

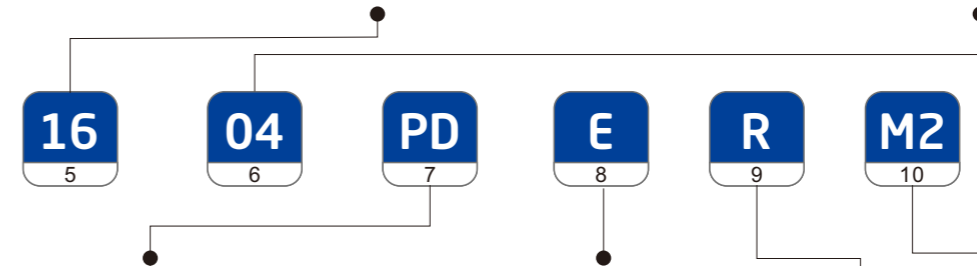
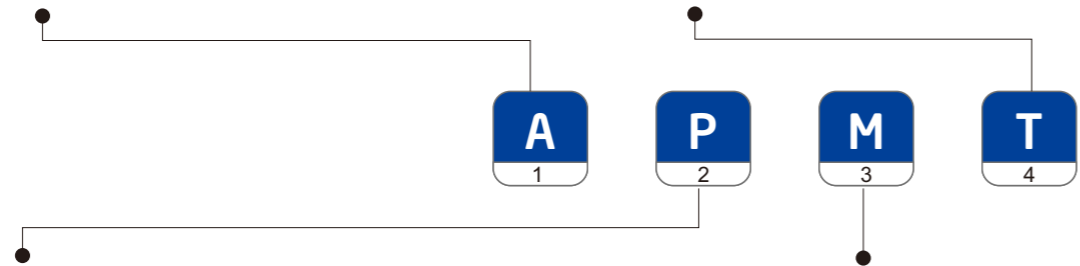
工件材料 Workpiece materials	ISO代号 ISO Code	CVD	PVD	金属陶瓷 Cermet	硬质合金 Cemented carbide	超硬材料 Superhard materials
P	P01					
	P10		MU1001	MU5001		
	P20		MU1201			
	P30					
	P40					
M	M01					
	M10		MU1001	MU5001		
	M20		MU1201			
	M30		MU1301			
	M40					
K	K01					
	K10		MU1001	MU5001		
	K20		MU1201			
	K30					
N	N01					
	N10				MU2001	
	N20					
	N30					
S	S01					
	S10		MU6001			
	S20					
	S30					
H	H01					
	H10		MU6201			
	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	单面 Single Face		A	有 Y	无		
E	有 Y	单面 Single Face		M	有 Y	单面 Single Face		
F	有 Y	双面 Double Face		G	有 Y	双面 Double Face		
G	有 Y	单面 Single Face		X	---	---	特殊	
H	有 Y	无 N						
I	有 Y	单面 Single Face						
J	有 Y	双面 Double Face						
K	有 Y	单面 Single Face						
L	有 Y	单面 Single Face						
M	有 Y	单面 Single Face						
N	有 Y	单面 Single Face						
O	有 Y	单面 Single Face						
P	有 Y	单面 Single Face						
Q	有 Y	单面 Single Face						
R	有 Y	单面 Single Face						
S	有 Y	单面 Single Face						
T	有 Y	单面 Single Face						
U	有 Y	单面 Single Face						
V	有 Y	单面 Single Face						
W	有 Y	单面 Single Face						
X	有 Y	单面 Single Face						
Y	有 Y	单面 Single Face						
Z	有 Y	单面 Single Face						

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				
25.4			25	25				
31.75			31					
32			32					

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



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	圆形 Round
A	±0.005	±0.025	±0.025	9.525	±0.08	±0.08	±0.08	0.11	±0.16	...
F	±0.005	±0.013	±0.025	12.7	±0.13	±0.13	±0.13	0.15	...	...
C	±0.013	±0.025	±0.025	15.875	±0.15	±0.15	±0.15	0.18	...	...
H	±0.013	±0.013	±0.013	19.05	±0.15	±0.15	±0.15	0.18	...	...
E	±0.025	±0.025	±0.025	25.4	...	±0.18			...	...
G	±0.025	±0.025	±0.13							
J	±0.005	±0.05~±0.13	±0.025							
K	±0.013	±0.05~±0.13	±0.025							
L	±0.025	±0.05~±0.13	±0.025	6.35	±0.05	±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	±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	...	0.1
				19.05	±0.1	±0.1	±0.1	±0.1	...	±0.13
				25.4	...	±0.13	...	...	...	...

修光刃	
A	45°
D	60°
E	75°
P	90°
Z	其它

切削刃倒棱 (mm)			
F	0-5°	0-0.10	K
E	1-10°	1-0.15	P
T	2-15°	2-0.20	W
S	3-20°	3-0.25	
	4-25°	4-0.30	
	5-30°	5-0.35	
	6-40	6-0.40	
	7-0.45	7-0.45	不标

断屑槽型代号 Chip Breaker	
R	右
L	左
N	双向

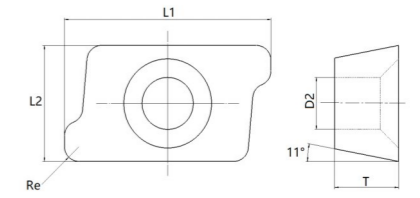
切削方向 Cutting direction	
R	右
L	左
N	双向



B 铣削刀片

B 铣削刀片

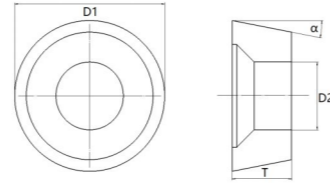
常规铣削刀片 Carbide Milling Tools



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	MU1001	MU1201	MU1301	MU5001
	APMT1135PDER-DG	6.24	3.50	2.80	0.8	▲	▲	▲	●
	APMT1604PDER-DG	9.33	5.26	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 α	MU1001	MU1201	MU1301	MU5001
	RPKW1003MO	10.00	3.18	4.40	11	▲	▲	▲	●
	RPKW1204MO	12.00	4.76	4.40	11	▲	▲	▲	●
	RPMT10T3MO	10.00	3.97	4.40	11	▲	▲	▲	●
	RPMT1204MO	12.00	4.76	4.40	11	▲	▲	▲	●
	RDKW10T3MO	10.00	3.97	4.40	15	▲	▲	▲	●
	RDKW1204MO	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

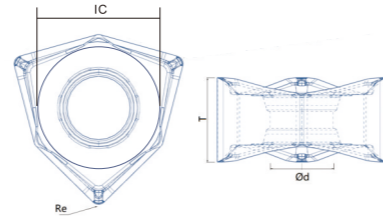
产品 Inserts Shape	型号 Type	尺寸 Dimension(mm)				可选牌号 Grade for Choice			
		ØI.C	刀尖高度 Tip Height	内孔 Φd	刀尖圆角 Re	MU1001	MU1201	MU1301	MU5001
	BLMP0603R-M	6.40	3.75	3.20	\	▲	▲	▲	●
	BLMP0904R-M	9.18	4.80	4.50	\	▲	▲	▲	●
	BLMP1205R-M	12.00	5.16	4.60	1.2	▲	▲	▲	●
	BLMP1306R-M	12.30	6.14	5.50	1.2	▲	▲	▲	●

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

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	MU1001	MU1201	MU1301	MU5001
	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	厚度 T	内孔 Φd	刀尖圆角 Re	MU1001	MU1201	MU1301	MU5001
	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	▲	▲	▲	●

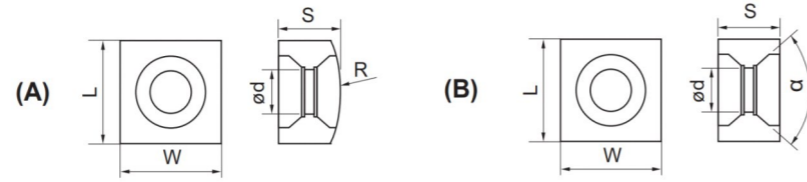
▲为主推荐牌号Recommended grade(Always stock available) ●按订单生产可选牌号Maker-to-order

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	MU1001	MU1201	MU1301	MU5001
	LNMU0303ZER-DZ	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

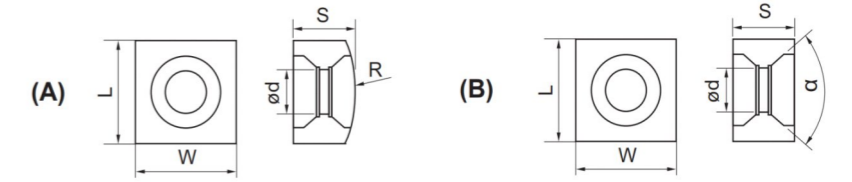
常规铣削刀片 Carbide Milling Tools



型号 Type	尺寸 Dimensions (mm)						可选牌号 Grade for Choice		
	L	W	S	Φd	α	R	MU1001	MU1201	MU1301
(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

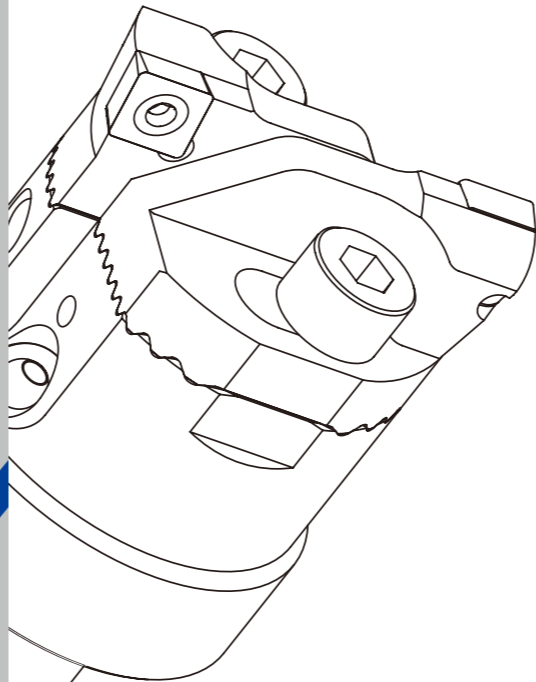


型号 Type	尺寸 Dimensions (mm)						可选牌号 Grade for Choice		
	L	W	S	Φd	α	R	MU1001	MU1201	MU1301
(A)LNE 323-DR20	15.88	9.53	5.56	4.5	90	20	▲	●	
(B)LNE 424-DR0	15.88	12.70	7.94	5.6	90	0	▲	●	
(A)LNE 424-DR10	15.88	12.70	7.94	5.6	90	10	▲	●	
(A)LNE 424-DR11.5	15.88	12.70	7.94	5.6	90	11.5	▲	●	
(A)LNE 424-DR13	15.88	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



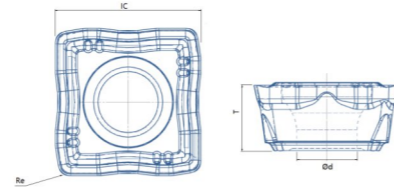
C 孔加工刀片 HOLE MACHINING INSERTS



Hole Machining inserts

—
孔加工刀片

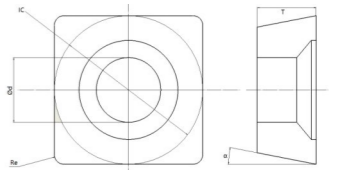
浅孔钻刀片 Shallow hole drilling Inserts




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	MU1001	MU1201	
	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

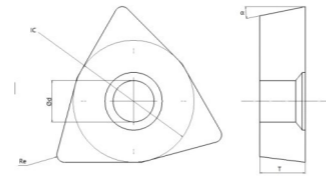
浅孔钻刀片 Shallow hole drilling Inserts



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	MU1001	MU1201	
	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



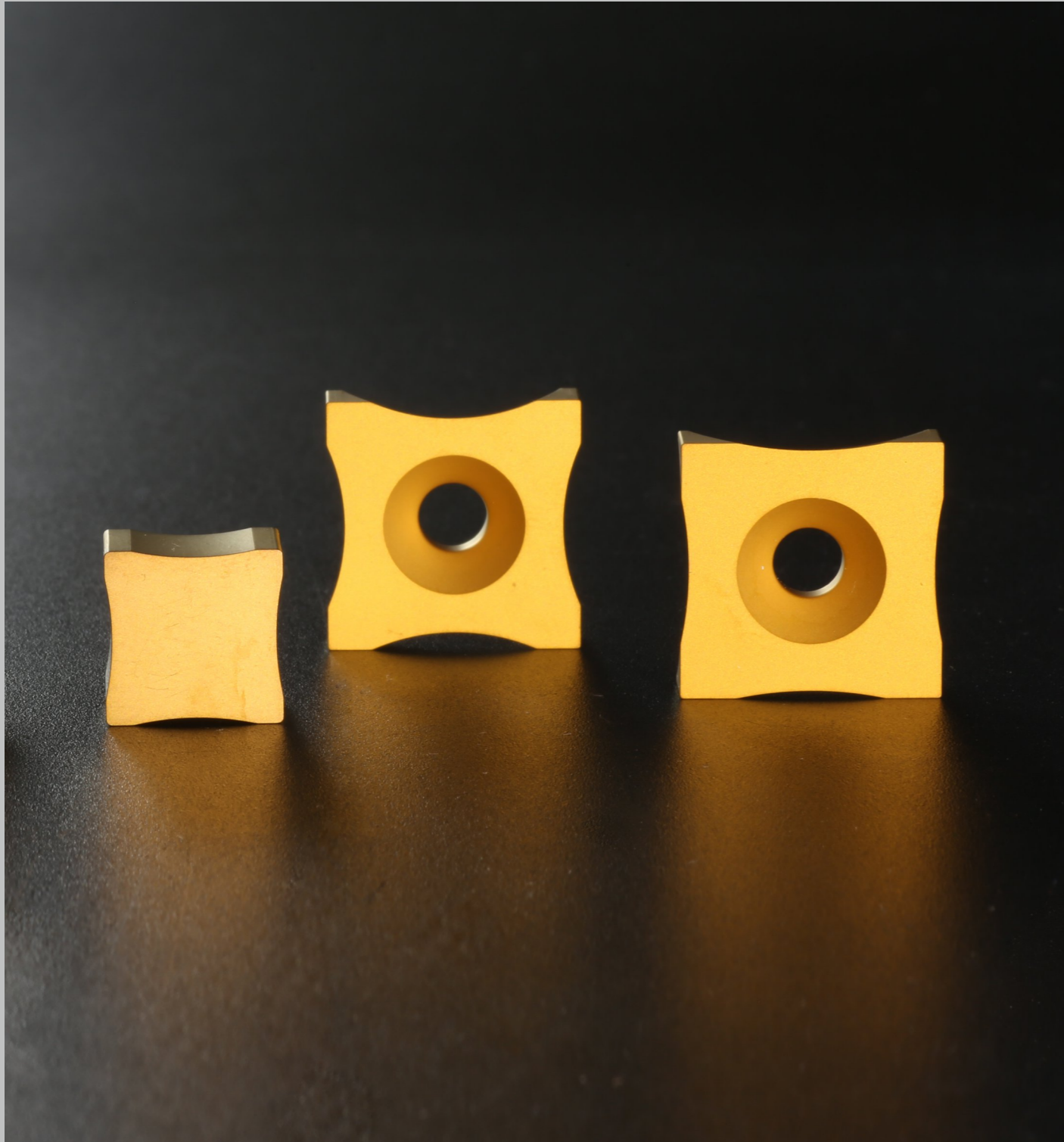
产品图示 Inserts Shape	型号 Type	尺寸 Dimensions (mm)					可选牌号 Grade for Choice		应用 Application
		ØI.C	刀尖高度 T	内孔 Φd	后角 Angle	刀尖圆角 Re	MU1001	MU1201	
	WCMX 030208R-LM	5.56	2.38	2.80	7	0.8	▲	●	通用 For common maching
	WCMX 040208R-LM	6.35	2.38	3.10	7	0.8	▲	●	
	WCMX 050308R-LM	7.94	3.18	3.20	7	0.8	▲	●	
	WCMX 06T308R-LM	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	MU1001	MU1201	
	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

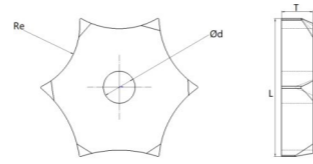


D 刮管刀片
TUBE SCRAPER INSERTS

Tube Scraper Inserts

刮管刀片

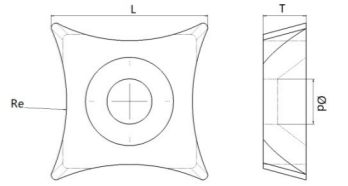
刮管刀片 Tube Scraper Inserts



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	MU4101	MU3101	MU1001	
	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

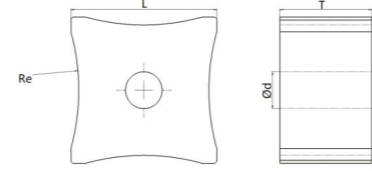
刮管刀片 Tube Scraper Inserts



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	MU4001	MU4101	MU1001	
	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

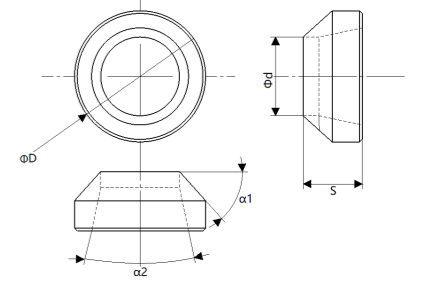


产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)			可选牌号 Grade for Choice			应用 Application
		外径长度 L	厚度 T	圆弧半径 Re	MU4001	MU4101	MU1001	
	SNGN 12K-R10	12.70	8.00	10.00	▲	●	●	通用 Currency
	SNGN 12K-R16	12.70	8.00	16.00	▲	●	●	
	SNGN 12K-R20	12.70	8.00	20.00	▲	●	●	
	SNGN 12K-R25	12.70	8.00	25.00	▲	●	●	
	SNGN 12K-R30	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

D 刮管刀片

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	MU4001	MU4101	MU1001	
	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

D 刮管刀片



E 重力切削刀片 HEAVY DUTY INSERTS

Heavy Duty Inserts
—
重力切削刀片

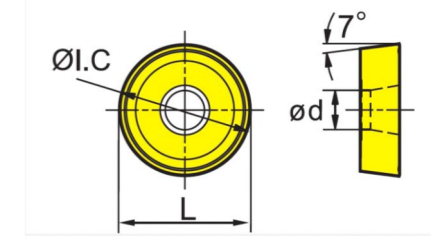
重力切削刀片 Heavy Duty Inserts

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	MU4001	MU4101	MU4201	MU3101	MU1001	MU1201	
	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

E 重力切削刀片

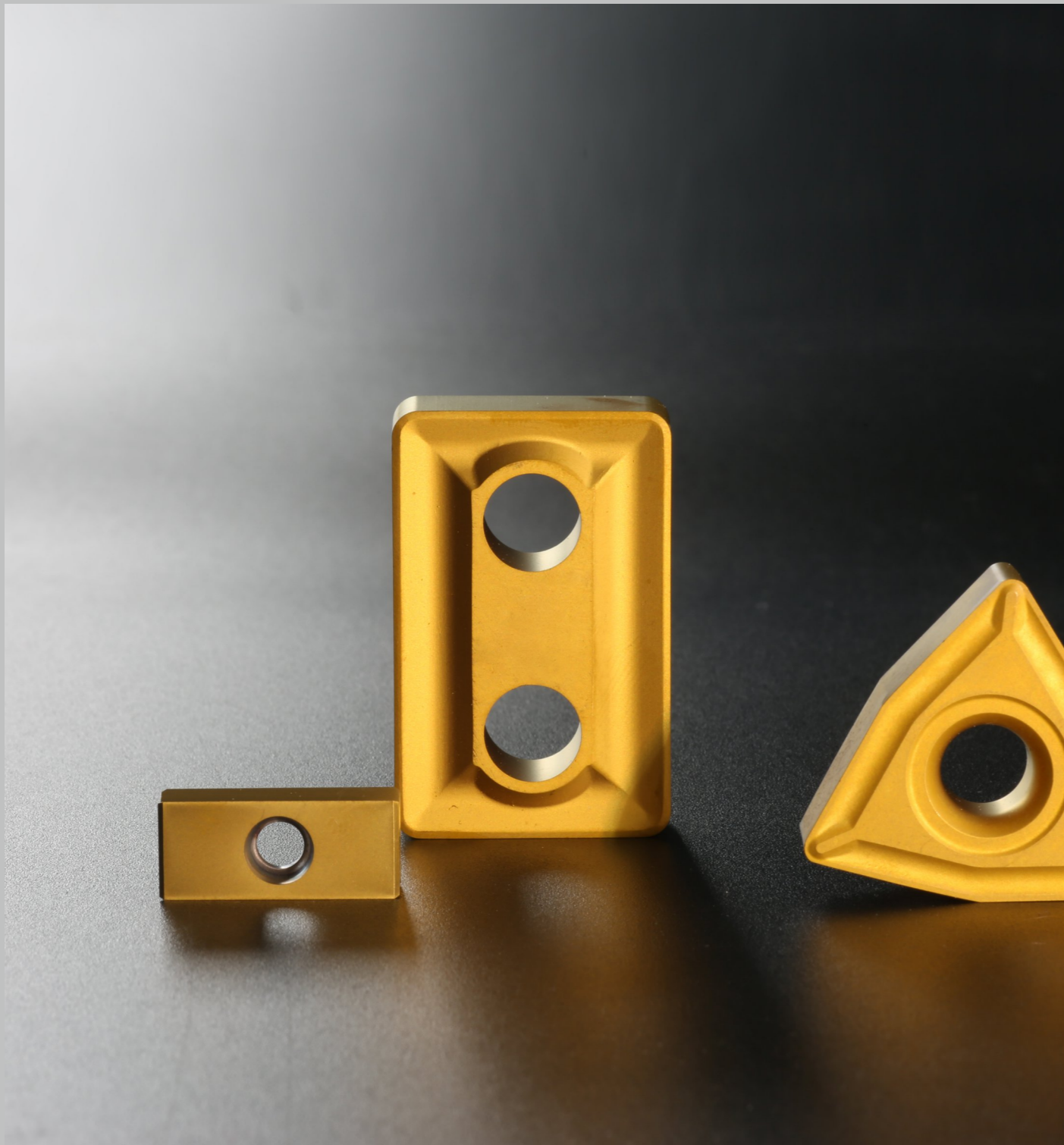
重力切削刀片 Heavy Duty Inserts



产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)		可选牌号 Grade for Choice		应用 Application
		S	内孔 Φd	MU1001	MU1201	
	RCMX1003MO	3.18	3.60	▲	●	中精加工 For semi-finishing
	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

E 重力切削刀片



Special Design Inserts

非标异形刀片


F 非标异形刀片
SPECIAL DESIGN INSERTS

MU 穆野硬质合金
MUYE CEMENTED CARBIDE

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	MU1001	MU3101	
	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	MU1001	MU1201	
	LNKX 0912-V	6.00	9.00	12.00	4.4	▲	●	通用 For common machining
	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	MU4001	MU4101	MU3101	
	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	MU4001	MU3101	
	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	MU4001	MU3101	
	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	MU4001	MU4101	MU3101	
	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



Solid Carbide End Mill

—
硬质合金立铣刀

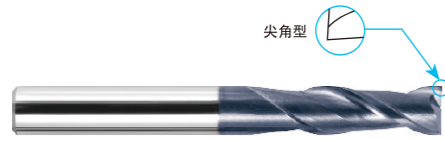
G 硬质合金立铣刀
SOLID CARBIDE END MILL

MU 穆野硬质合金
MUYE CEMENTED CARBIDE

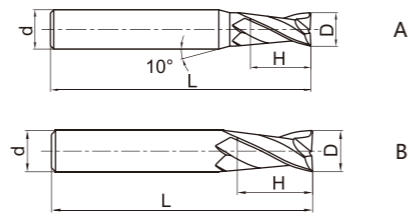
二刃直柄平头立铣刀

Two Flutes Square Endmill

KGM-2F



尖角型



● 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

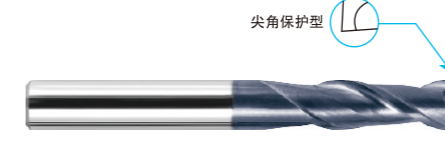
被加工材料适用表 Applicable materials for processing ○ 非常合适 Very suitable ○ 合适 Suitable

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 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						
○	○	○	○	○	○	○					

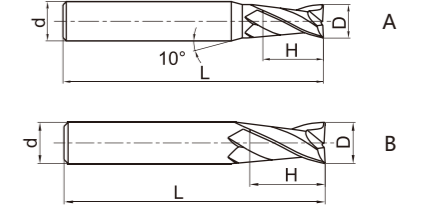
二刃直柄平头立铣刀

Two Flutes Square Endmill

KGM-2E



尖角保护型



● 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

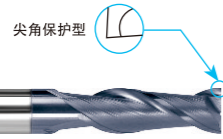
被加工材料适用表 Applicable materials for processing ○ 非常合适 Very suitable ○ 合适 Suitable

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						
○	○	○	○	○	○	○					

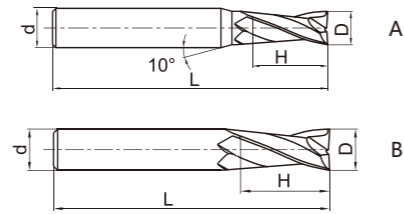
二刃直柄长刃平头立铣刀

Two Flutes Long Cutting Length Square Endmill

KGM-2EL



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



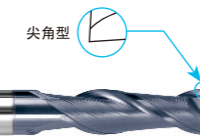
订货号 Specifications	基本尺寸 Dimensions (mm)				齿数 Number of teeth Z	形式 Inserts Shape	库存 Stock
	D	d	H	L			
KGM-2EL-D3.0	3.0	6	12	75	2	A	●
KGM-2EL-D4.0	4.0	6	15	75	2	A	●
KGM-2EL-D5.0	5.0	6	20	75	2	A	●
KGM-2EL-D6.0	6.0	6	20	75	2	B	●
KGM-2EL-D8.0	8.0	8	25	100	2	B	●
KGM-2EL-D10.0	10.0	10	30	100	2	B	●
KGM-2EL-D12.0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

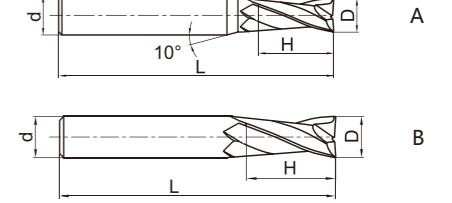
二刃直柄长刃平头立铣刀

Two Flutes Long Cutting Length 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						
○	○	○	○	○	○	○	○	○	○	○	

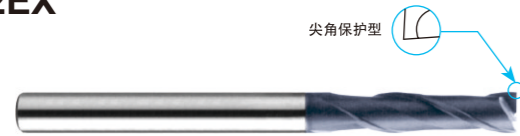
被加工材料适用表 Applicable materials for processing ○ 非常适合 Very suitable ○ 适合 Suitable

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						
○	○	○	○	○	○	○	○	○	○	○	

二刃直柄特长刃平头立铣

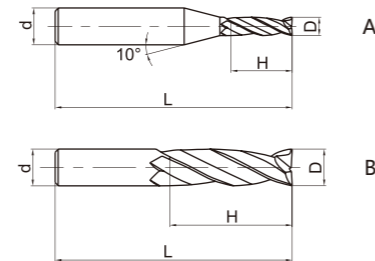
Two Flutes Long Cutting Length Square Endmill

KGM-2EX



尖角保护型

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



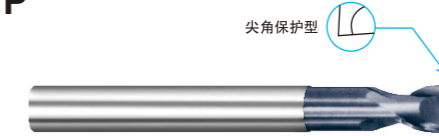
订货号 Specifications	基本尺寸 Dimensions (mm)				齿数 Number of teeth Z	形式 Inserts Shape	库存 Stock
	D	d	H	L			
KGM-2EX-D3.0	3.0	6	20	75	2	A	○
KGM-2EX-D4.0	4.0	6	25	75	2	A	○
KGM-2EX-D5.0	5.0	6	30	75	2	A	○
KGM-2EX-D6.0	6.0	6	30	75	2	B	○
KGM-2EX-D8.0	8.0	8	40	100	2	B	○
KGM-2EX-D10.0	10.0	10	50	110	2	B	○
KGM-2EX-D12.0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

二刃直柄长颈短刃平头立铣刀

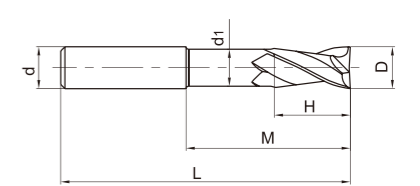
Two Flutes Long Neck Short Cutting Length Square Endmill

KGM-2EFP



尖角保护型

- 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	d1	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 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						
○	○	○	○		○	○					

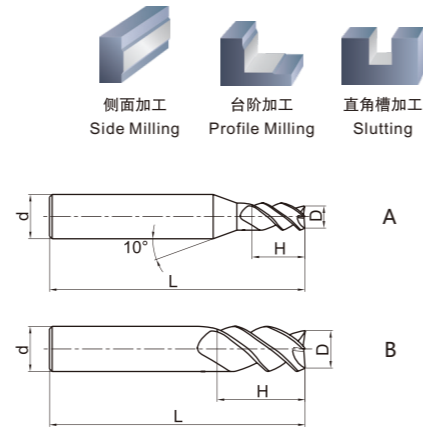
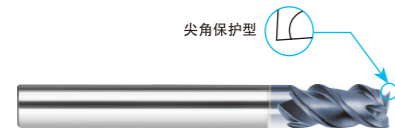
被加工材料适用表 Applicable materials for processing

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 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						
○	○	○	○		○	○					

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

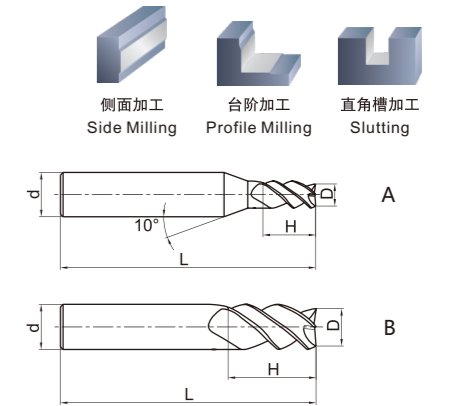
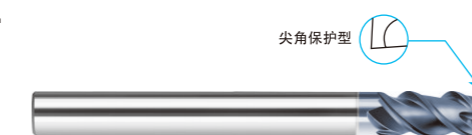
被加工材料适用表 Applicable materials for processing ○ 非常合适 Very suitable ○ 合适 Suitable

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						
○	○	○	○	○	○	○					

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

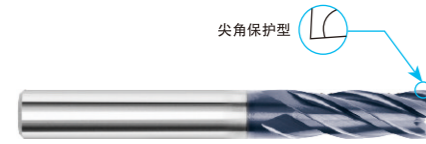
被加工材料适用表 Applicable materials for processing ○ 非常合适 Very suitable ○ 合适 Suitable

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						
○	○	○	○	○	○	○					

四刃直柄平头立铣

Four Flutes Square Endmill

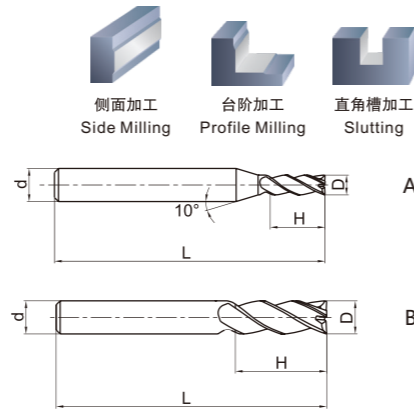
KGM-4E-G



尖角保护型

● 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

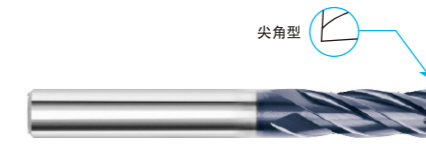
被加工材料适用表 Applicable materials for processing ● 非常适合 Very suitable ○ 适合 Suitable

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 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						
○	○	○	○		○	○					

四刃直柄平头立铣刀

Four Flutes Square Endmill

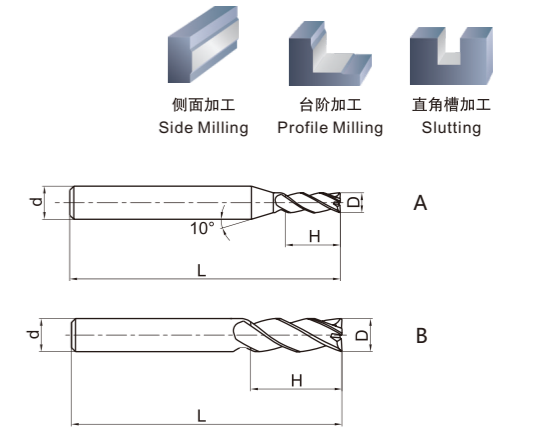
KGM-4F-G



尖角型

● 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

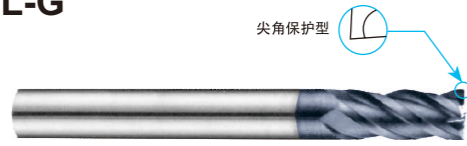
被加工材料适用表 Applicable materials for processing ● 非常适合 Very suitable ○ 适合 Suitable

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						
○	○	○	○		○	○					

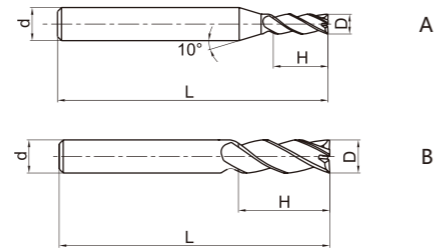
四刃直柄长刃平头立铣刀

Four Flutes Long Cutting Length Square Endmill

KGM-4EL-G



尖角保护型



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



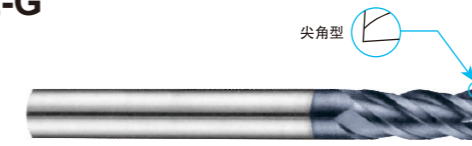
订货号 Specifications	基本尺寸 Dimensions (mm)				齿数 Number of teeth Z	形式 Inserts Shape	库存 Stock
	D	d	H	L			
KGM-4EL-D3.0-G	3.0	6	12	75	4	A	○
KGM-4EL-D4.0-G	4.0	6	15	75	4	A	○
KGM-4EL-D5.0-G	5.0	6	20	75	4	A	○
KGM-4EL-D6.0-G	6.0	6	20	75	4	B	○
KGM-4EL-D8.0-G	8.0	8	25	100	4	B	○
KGM-4EL-D10.0-G	10.0	10	30	100	4	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

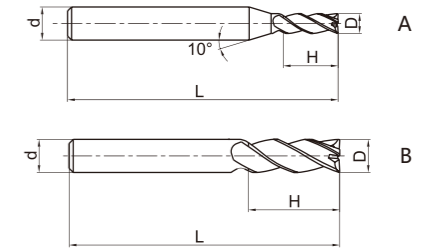
四刃直柄长刃平头立铣刀

Four Flutes Long Cutting Length Square Endmill

KGM-4FL-G



尖角型



● 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						
○	○	○	○		○	○					

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						
○	○	○	○		○	○					

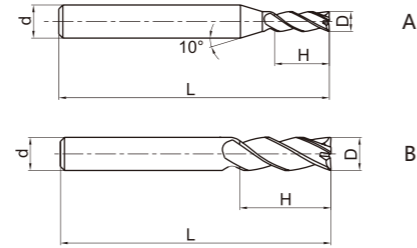
四刃直柄特长刃平头立铣刀

Four Flutes Super Long Cutting Length Square Endmill

KGM-4EX-G



尖角保护型



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



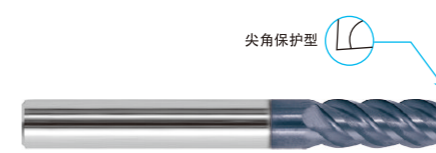
订货号 Specifications	基本尺寸 Dimensions (mm)				齿数 Number of teeth Z	形式 Inserts Shape	库存 Stock
	D	d	H	L			
KGM-4EX-D3.0-G	3.0	6	20	75	4	A	○
KGM-4EX-D4.0-G	4.0	6	25	75	4	A	○
KGM-4EX-D5.0-G	5.0	6	30	75	4	A	○
KGM-4EX-D6.0-G	6.0	6	30	75	4	B	○
KGM-4EX-D8.0-G	8.0	8	40	100	4	B	○
KGM-4EX-D10.0-G	10.0	10	50	110	4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

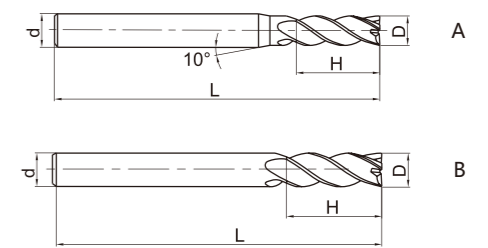
四刃直柄平头立铣刀

Four Flutes Square Endmill

KGM-4E



尖角保护型



● 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						
○	○	○	○		○	○					

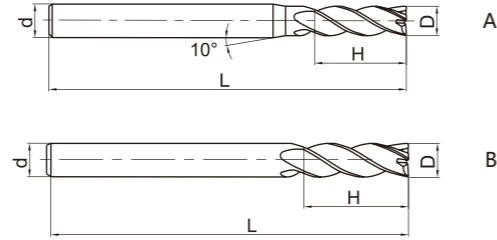
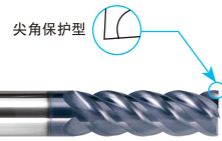
被加工材料适用表 Applicable materials for processing ○ 非常合适 Very suitable ○ 合适 Suitable

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



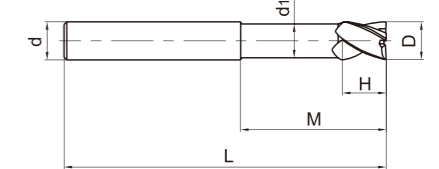
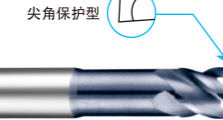
订货号 Specifications	基本尺寸 Dimensions (mm)				齿数 Number of teeth Z	形式 Inserts Shape	库存 Stock
	D	d	H	L			
KGM-4EL-D3.0	3.0	6	12	75	4	A	●
KGM-4EL-D4.0	4.0	6	15	75	4	A	●
KGM-4EL-D5.0	5.0	6	20	75	4	A	●
KGM-4EL-D6.0	6.0	6	20	75	4	B	●
KGM-4EL-D8.0	8.0	8	25	100	4	B	●
KGM-4EL-D10.0	10.0	10	30	100	4	B	●
KGM-4EL-D12.0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

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 ₁	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 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						
○	○	○	○		○	○					

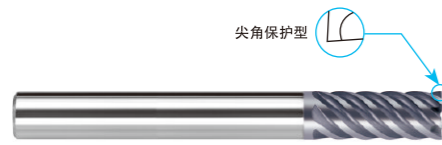
被加工材料适用表 Applicable materials for processing ● 非常适合 Very suitable ○ 适合 Suitable

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						
○	○	○	○		○	○					

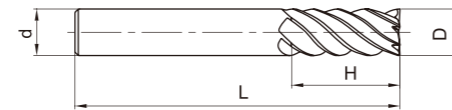
六刃直柄平头立铣刀

Six Flutes Square Endmill

KGM-6E



尖角保护型



- 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

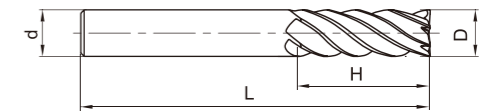
六刃直柄长刃平头立铣刀

Six Flutes Long Cutting Length Square Endmill

KGM-6EL



尖角保护型



- 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 ○ 非常合适 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						
○	○	○	○		○	○					

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

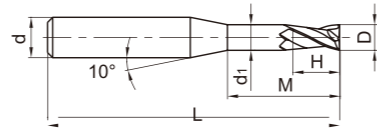
二刃直柄长颈短刃平头立铣刀

Two Flutes Long 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	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

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						
○	○	○	○		○	○					

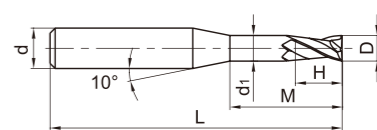
二刃直柄长颈短刃平头立铣刀

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	d1	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

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						
○	○	○	○		○	○					

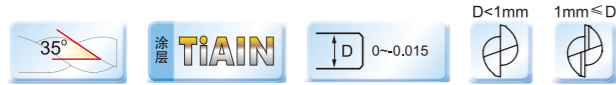
二刃直柄微小径平头立铣刀

Two Flutes Miniature Square Endmill

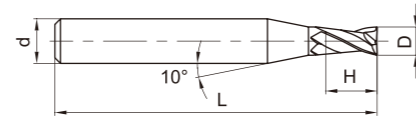
KGM-2ES



● 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。



The high-speed, high-precision performance of the machining center can be fully utilized. Commonly used in the processing of precision parts such as 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 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						
○	○	○	○		○	○					

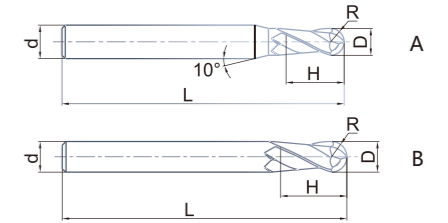
二刃直柄球头立铣刀

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						
○	○	○	○		○	○					

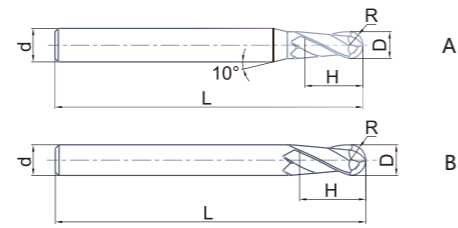
二刃直柄长柄球头立铣刀

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 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						
○	○	○	○		○	○					

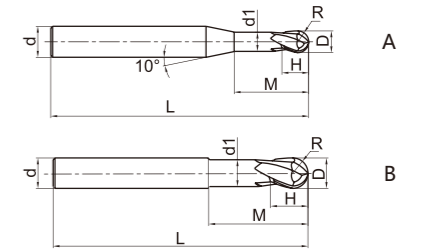
二刃直柄长颈短刃球头立铣刀

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	d1	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 ○ 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						
○	○	○	○		○	○					

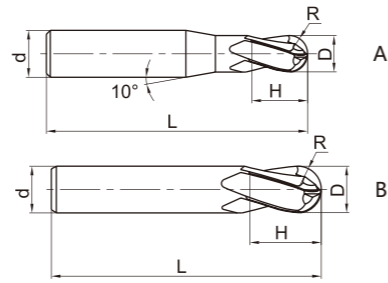
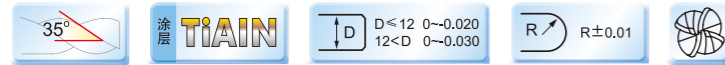
四刃直柄球头立铣刀

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

G 硬质合金立铣刀

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						
○	○	○	○		○	○					

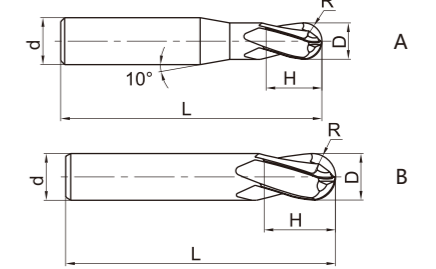
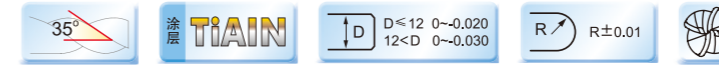
四刃直柄长柄球头立铣刀

Four Flutes Long Shank Ball Nose Endmill

KGM-4BL



- GM-4B的长柄系列。
GM-4 B 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-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

G 硬质合金立铣刀

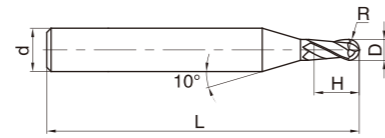
被加工材料适用表 Applicable materials for processing ○ 非常合适 Very suitable ○ 合适 Suitable

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						
○	○	○	○		○	○					

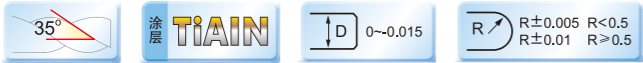
二刃直柄微小径球头立铣刀

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。



The high-speed, high-precision performance of the machining center can be fully utilized. Commonly used in the processing of precision parts such as 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

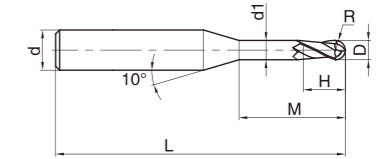
被加工材料适用表 Applicable materials for processing ○ 非常合适 Very suitable ○ 合适 Suitable

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						
○	○	○	○		○	○					

二刃直柄长颈短刃球头立铣刀

Two Flutes Long Neck Short Cutting Length Ball Nose Endmill

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 ₁	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 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						
○	○	○	○		○	○					

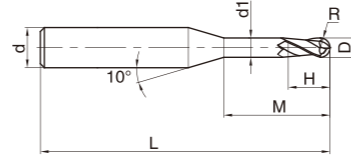
二刃直柄长颈短刃球头立铣刀

Two Flutes Long Neck Short Cutting Length Ball Nose Endmill

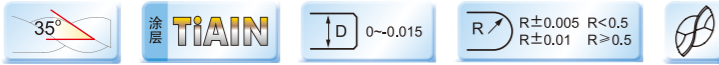


平头深沟加工
Flat deep groove processing

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 ₁	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 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						
○	○	○	○	○	○	○	○	○	○	○	

两刃直柄圆弧立铣刀

Two Flutes Corner Radius Endmill



R型加工
R type processing

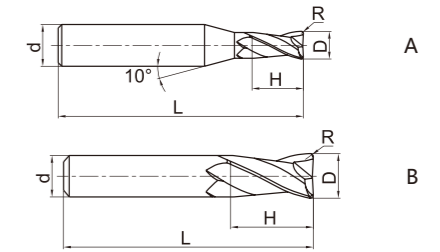


仿形加工
Profile Milling



R槽加工
R grooving processing

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	●

● 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						
○	○	○	○	○	○	○	○	○	○	○	

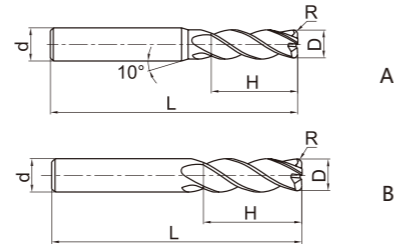
四刃直柄圆弧立铣刀

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

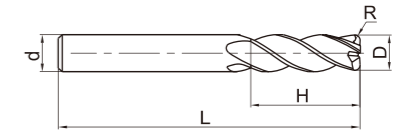
四刃直柄长柄圆弧立铣刀

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

G 硬质合金立铣刀

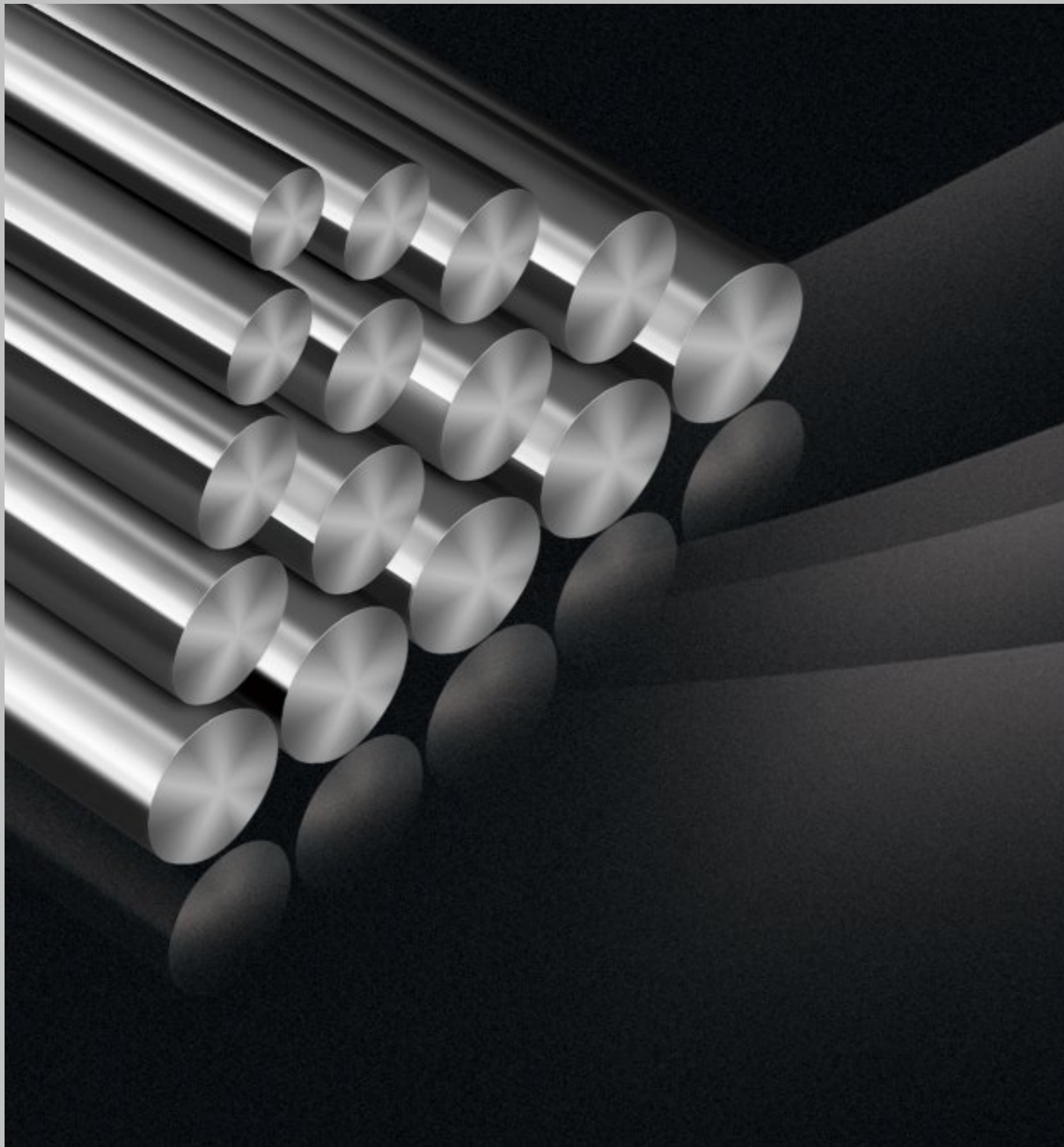
G 硬质合金立铣刀

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 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						
○	○	○	○		○	○					

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 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						
○	○	○	○		○	○					



H 硬质合金圆棒
CEMENTED CARBIDE RODS

Cemented Carbide Rods

—
硬质合金圆棒

MU 穆野硬质合金
MUYE CEMENTED CARBIDE

硬质合金圆棒

Cemented Carbide Rods

牌号介绍 Grade Introduction

XK30F

优秀的材料晶粒组织，具有良好通用性，适用于可转位工具，具有非常广泛的用途。

适用对不锈钢和耐高温钢、铬-镍-钴-钛合金钢、合成材料、非铁材料、合金钢等进行铣削、钻孔甚至木材加工。

Outstanding grain structure, fine universality, can be used for indexable tool and has wide application, suitable for the milling and drilling on stainless steel, heat-resistant steel, chromium-nickel-cobalt-alloy, synthetic materials, non-ferrous material, alloy steel and even for wood processing.

材料典型性能描述 Material Description

牌号 Grade			XK30F
钴含量 Co	[%]		10.0
WC+其他 WC+Others	[%]		90.0
理论密度 Theoretical density	[g/cm ³]		14.40
维氏硬度 Vickers hardness	[HV30]		1580
洛氏硬度 Rockwell hardness	[HRA]		91.8
抗弯强度 Flexural strength	[N/mm ²]		>4000
孔隙度 Porosity	A		02
	B		00
	C		00
WC晶粒 WC grain	[μm]		0.8

应用领域 Areas of Application

推荐用于制作各种规格的钻头、立铣刀、丝锥、旋转锉刀等；
适合各种碳钢、铸铁、不锈钢、耐热钢、镍基及铁合金等材料的加工；

Be used for the drill bit, end milling cutter, screw tap, rotary file, etc.
Suitable for processing on all kinds of carbon steel, cast iron, stainless steel, heat-resistant steel, nickel and titanium alloy materials, etc.

硬质合金圆棒

Cemented Carbide Rods

牌号介绍 Grade Introduction

XK40 UF

新一代超细晶粒高性能硬质合金材料，具有极高韧性和硬度，适应了现代高速铣削加工技术需求，切削的综合质量好，大幅度地提高了切削效率。

With high performance on toughness and hardness, this new ultra-fine grain carbide material meets the needs of modern high speed machining. The high performance of cutting improves the cutting efficiency greatly.

材料典型性能描述 Material Description

牌号 Grade			XK40 UF
钴含量 Co	[%]		12.0
WC+其他 WC+Others	[%]		88.0
理论密度 Theoretical density	[g/cm ³]		14.10
维氏硬度 Vickers hardness	[HV30]		1750
洛氏硬度 Rockwell hardness	[HRA]		92.8
抗弯强度 Flexural strength	[N/mm ²]		>4000
孔隙度 Porosity	A		02
	B		00
	C		00
WC晶粒 WC grain	[μm]		<0.4

应用领域 Areas of Application

适用于镍基合金、低合金钢、高合金钢、钛合金、奥氏体不锈钢、耐热合金、玻璃纤维增强塑料、灰口铸铁等的加工；
适用于制作各种铣刀、铰刀、钻头；推荐用于高速铣削加工；
涂层刀具可以极大地拓宽刀具使用范围和寿命。

Suitable for processing on nickel alloy, low alloyed steel, high alloyed steel, titanium alloy, austenitic stainless steel, heat-resistant steel, GFRP (Glass Fiber Reinforced Plastics), gray cast iron, etc.
Used for milling cutter, reamer, drill; recommend for high speed machining.
Coating on the cutting tool could greatly broaden the scope of application and the service life.

硬质合金圆棒

Cemented Carbide Rods

牌号介绍 Grade Introduction

XK06A

具有高的耐磨性和良好的抗冲击性。适于加工硬钢、白铸铁、灰铸铁、轻金属、塑料、合成材料、铝-硅-锰-铜合金、玻璃、陶器、石墨等材料；主要用于车削、钻孔、铣削、铰孔、穿孔等加工方式。

High wear resistance and good impact resistance. Suitable for processing on hardened steel, white cast iron, gray cast iron, light metal, plastics, synthetic materials, Al-Si-Mn-Cu alloy, glass, earthenware, graphite, etc. Mainly used for turning, milling, drilling, reaming, perforation and other processing.

材料典型性能描述 Material Description

牌号 Grade			XK06A
钴含量 Co		[%]	6.0
WC+其他 WC+Others		[%]	94.0
理论密度 Theoretical density		[g/cm ³]	14.80
维氏硬度 Vickers hardness		[HV30]	1630
洛氏硬度 Rockwell hardness		[HRA]	94.0
抗弯强度 Flexural strength		[N/mm ²]	>2800
孔隙度 Porosity	A		02
	B		00
	C		00
WC晶粒 WC grain		[μm]	1.2

应用领域 Areas of Application

适于加工硬钢、白铸铁、灰铸铁、轻金属、塑料、合成材料、铝-硅-锰-铜合金、玻璃、陶器、石墨等材料；主要用于车削、钻孔、铣削、铰孔、穿孔等加工方式；

Suitable for processing on hardened steel, white cast iron, gray cast iron, light metal, plastics, synthetic materials, Al-Si-Mn-Cu alloy, glass, earthenware, graphite, etc. Mainly used for turning, milling, drilling, reaming, perforation and other processing methods.

硬质合金圆棒

Cemented Carbide Rods

牌号介绍 Grade Introduction

XK10F

新一代超细晶粒高性能硬质合金材料，具有极高韧性和硬度，适应了现代高速铣削加工技术需求，切削的综合质量好，大幅度地提高了切削效率。

With high performance on toughness and hardness, this new ultra-fine grain carbide material meets the needs of modern highspeed machining. The high performance of cutting improves the cutting efficiency greatly.

材料典型性能描述 Material Description

牌号 Grade			XK10F
钴含量 Co		[%]	6.0
WC+其他 WC+Others		[%]	94.0
理论密度 Theoretical density		[g/cm ³]	14.80
维氏硬度 Vickers hardness		[HV30]	1820
洛氏硬度 Rockwell hardness		[HRA]	93.5
抗弯强度 Flexural strength		[N/mm ²]	>4000
孔隙度 Porosity	A		02
	B		00
	C		00
WC晶粒 WC grain		[μm]	0.4

应用领域 Areas of Application

推荐用于制作各种规格的铣刀、钻头、旋转锉刀等；适合镁铝合金、超硬合金钢、各种PCB基板、超硬塑料材料、超硬纤维材料等。

Recommend for making milling tool, drill bit, rotary file, etc. Suitable for processing on magnesium alloy, hardened steel, various PCB substrate, Hardened Plastic Material, Hardened Fiber Material, etc.

硬质合金圆棒

Cemented Carbide Rods

牌号介绍 Grade Introduction

XK10A

新一代PCB刀具材料，优选基材和优化的晶粒组织，具有极高耐磨性和抗冲击韧性，使用性能极佳。

New generation of PCB cutting tool materials with high wearresistance , impact resistance toughness and excellent performance.

材料典型性能描述 Material Description

牌号 Grade		XK10A	
钴含量 Co	[%]	6.0	
WC+其他 WC+Others	[%]	94.0	
理论密度 Theoretical density	[g/cm ³]	14.75	
维氏硬度 Vickers hardness	[HV30]	2050	
洛氏硬度 Rockwell hardness	[HRA]	94.2	
抗弯强度 Flexural strength	[N/mm ²]	>4000	
孔隙度 Porosity	A	02	
	B	00	
	C	00	
WC晶粒 WC grain	[μm]	<0.4	

应用领域 Areas of Application

推荐用于制作各种规格的铣刀、钻头、雕刻刀、旋转锉刀等；
适合各种PCB基板、镁铝合金、超硬塑料材料、超硬纤维材料等。

Recommend for making milling tool, drill bit, rotary file, etc .
Suitable for processing on various PCB substrate, magnaliumalloy, hardenedplastic material, hardened fiber material, etc.

硬质合金圆棒

Cemented Carbide Rods

牌号介绍 Grade Introduction

XF308

新一代刀具材料，优选基材和优化的晶粒组织，具有高耐磨性和较高抗冲击韧性，性能兼顾性极佳。

New generation of cutting tool with good wear resistance, highimpact toughness and wide applicability .

材料典型性能描述 Material Description

牌号 Grade		XF308	
钴含量 Co	[%]	8.0	
WC+其他 WC+Others	[%]	92.0	
理论密度 Theoretical density	[g/cm ³]	14.65	
维氏硬度 Vickers hardness	[HV30]	1820	
洛氏硬度 Rockwell hardness	[HRA]	93.5	
抗弯强度 Flexural strength	[N/mm ²]	>3800	
孔隙度 Porosity	A	02	
	B	00	
	C	00	
WC晶粒 WC grain	[μm]	<0.4	

应用领域 Areas of Application

推荐用于制作铣刀、铰刀、钻头；
适合超硬合金钢、热处理钢、PCB刀具、超硬塑料材料、超硬强化玻璃纤维等。

Recommend for making milling tool , reamer bit,drill bit etc.
Suitable for processing on hard alloy steel, heat-treated steel, various PCB bit , hardened plastic material,hardened fiber material, etc .

硬质合金圆棒

Cemented Carbide Rods

牌号介绍 Grade Introduction

XK40T

新一代刀具材料，优选的材料晶粒组织，具有极佳的通用性，具有广泛的用途。适合对不锈钢和耐高温钢、非铁材料、合金钢、耐热合金钢等进行铣削、钻孔甚至木材加工。对刀具加以涂层，可以极大地拓宽刀具适用范围和延长使用寿命。

Innovated cutting tool material with wide applicability. Suitable for stainless, heat-resistant alloy steel, alloy steel, non-ferrous materials to milling, drilling, and even wood processing it can greatly broaden the scope of application and extend service life with coating.

材料典型性能描述 Material Description

牌号 Grade			XK40T
钴含量 Co	[%]		12.0
WC+其他 WC+Others	[%]		88.0
理论密度 Theoretical density	[g/cm ³]		14.10
维氏硬度 Vickers hardness	[HV30]		1630
洛氏硬度 Rockwell hardness	[HRA]		92.4
抗弯强度 Flexural strength	[N/mm ²]		>4200
孔隙度 Porosity	A		02
	B		00
	C		00
WC晶粒 WC grain	[μm]		0.6

应用领域 Areas of Application

推荐用于制作各种规格的钻头、立铣刀、丝锥、旋转锉刀等；
适合各种碳钢、铸铁、不锈钢、耐热钢、镍基及钛合金等材料的加工。

Be used for the drill bit, milling cutter, screw tap, rotary file, etc.
Suitable for processing on all kinds of carbon steel, cast iron stainless steel, heat-resistant, nickel and titanium alloy materials, etc.

硬质合金圆棒

Cemented Carbide Rods

牌号介绍 Grade Introduction

XM10

具有优秀的抗冲击性及良好的耐磨性，特别适用于重切削加工。主要用于钻孔、铣削、铰孔、穿孔等加工方式。

New generation cutting tool material with high wear resistance, high impact toughness and wide applicability.

材料典型性能描述 Material Description

牌号 Grade			XM10
钴含量 Co	[%]		10.0
WC+其他 WC+Others	[%]		90.0
理论密度 Theoretical density	[g/cm ³]		14.40
维氏硬度 Vickers hardness	[HV30]		1530
洛氏硬度 Rockwell hardness	[HRA]		91.5
抗弯强度 Flexural strength	[N/mm ²]		>4300
孔隙度 Porosity	A		02
	B		00
	C		00
WC晶粒 WC grain	[μm]		0.9

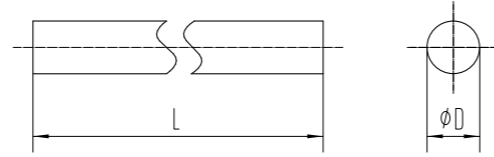
应用领域 Areas of Application

推荐用于制作各种规格的钻头、铣刀、丝锥、旋转锉刀等；
适合各种碳钢、铸铁、不锈钢、耐热钢、镍基及钛合金等材料的加工；

Be used for the drill bit, end milling tool, screw tap, rotary file, etc.
Suitable for processing on all kinds of carbon steel, cast iron, stainless steel, heat-resistant steel, nickel and titanium alloy materials, etc.

实心金属陶瓷圆棒毛坯

Blank Solid Cermet Rods

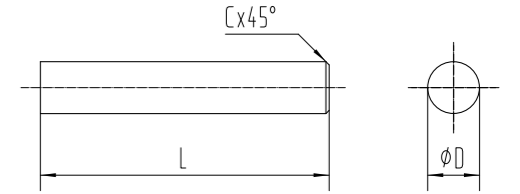


规格 Specifications	尺寸范围 Dimensions(mm)			
	直径 Diameter	直径公差 Diameter tolerance	长度 Length	长度公差 Length tolerance
Φ 3*50	3	+0.20 ~ +0.30	50	+1.0/0
Φ 4*50	4	+0.20 ~ +0.30	50	+1.0/0
Φ 4*75	4	+0.20 ~ +0.30	75	+1.0/0
Φ 5*50	5	+0.25 ~ +0.35	50	+1.0/0
Φ 5*75	5	+0.25 ~ +0.35	75	+1.0/0
Φ 6*50	6	+0.25 ~ +0.35	50	+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 specifications 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 specifications cermet rods

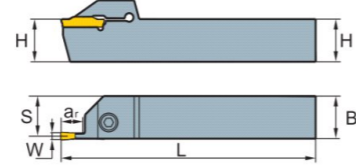
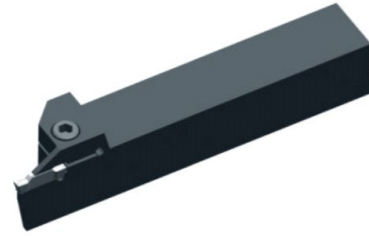


刀杆和刀盘
HOLDERS AND CUTTER

—
Holders and Cutter

刀杆和刀盘

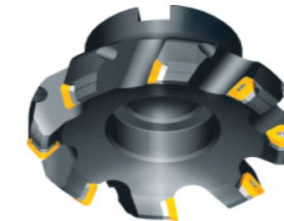
车削刀具 Turning Tools



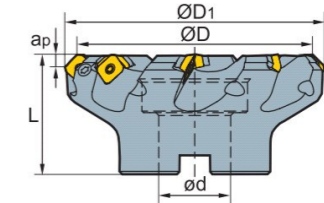
型号 Type	尺寸 Dimensions(mm)					适装刀片 Applicable Inserts
	H*B	L	S	W	ar _{max}	
QEFD	1616R/L10	16*16	125	14.8	3	GPMN3004K-M GPMN3004K-G
	1616R/L17	16*16	125	14.8	3	
	2020R/L10	20*20	125	18.8	3	
	2020R/L17	20*20	125	18.8	3	
	2525R/L10	25*25	150	23.8	3	
	2525R/L17	25*25	150	23.8	3	
QEGD	2020R/L13	20*20	140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

可转位铣削刀具 Indexable Milling Tools

MXA01 P M K N S



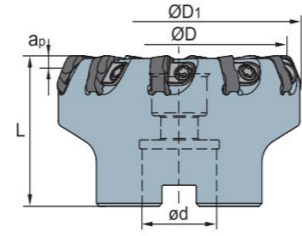
密齿等齿距
Close Pitch Space



型号 Type	尺寸 Dimensions(mm)					齿数 Number of teeth Z	适装刀片 Applicable Inserts	
	ΦD	ΦD ₁	Φd	L	ar _{max}			
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 **K**

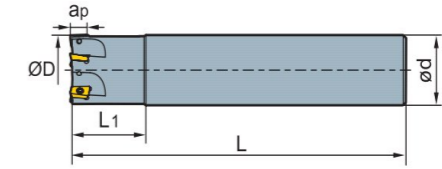
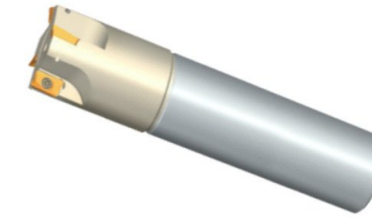


型号 Type	尺寸 Dimensions(mm)					齿数 Number of teeth Z	适装刀片 Applicable Inserts
	ΦD	ΦD_1	Φd	L	a_{pmax}		
MXD02	-080-A27-PN11-10	80	90.1	27	50	5/7.5	10
	-100-B32-PN11-14	100	110.1	32	50	5/7.5	14
	-125-B40-PN11-18	125	135.1	40	63	5/7.5	18
	-160-B40-PN11-22	160	170.1	40	63	5/7.5	22

PNEG1105□□□□-X□

可转位铣削刀具 Indexable Milling Tools

FJP01 **P M K N**



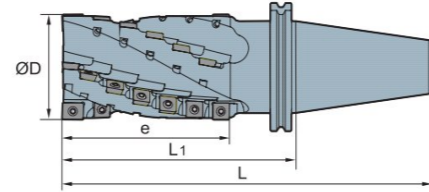
型号 Type	尺寸 Dimensions(mm)					齿数 Number of teeth Z	适装刀片 Applicable Inserts
	ΦD	Φd	L	L1	a_{pmax}		
FJP01	-012-G16-AP11-01	12	16	85	25	10.5	2
	-016-G16-AP11-02	16	16	90	25	10.5	2
	-020-G20-AP11-02	20	20	100	30	10.5	2
	-025-G25-AP11-03	25	25	115	35	10.5	3
	-032-G32-AP11-04	32	32	125	40	10.5	4
	-025-G25-AP16-02	25	25	115	35	15.5	2
	-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

APMT1135□□□□-□M

APMT1604□□□□-□M

可转位铣削刀具 Indexable Milling Tools

LXP01 P K

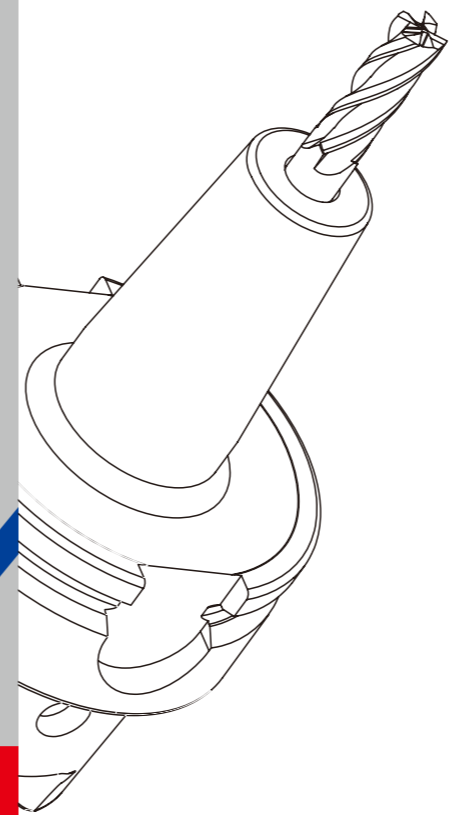


型号 Type	尺寸 Dimensions(mm)				齿数 Number of teeth Z	适装刀片 Applicable Inserts	
	ΦD	e	L1	a _{pmax}			
LXP01	-050*84-JT50-SP12-04	50	84	145	246.75	4	APKT150412K-BM SPMT120408K-BM
	-063*74-JT50-SP12-04	63	74	135	236.75		
	-063*104-JT50-SP12-04	63	104	165	266.75		
	-063*134-JT50-SP12-04	63	134	195	296.75		
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



通用技术信息

GENERAL TECHNICAL INFORMATIONS



General technical Informations

通用技术信息

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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 选用韧性好的刀具材料 Select tougher grade 降低进给量 Reduce feed rate 加大刀口修磨量 (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	<ul style="list-style-type: none"> 选用韧性好的刀具材料 Select tougher grade 降低进给量 Reduce feed rate 加大刀口修磨量 (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 excessive 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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

