

切削刀具产品目录

Cutting Tool Product Catalog



NewCermets®
新陶新材



株洲新陶新材料有限公司
ZHUZHOU NEW CERMETS MATERIAL CO.,LTD

Company Profile

公司简介

株洲新陶新材料有限公司坐落于株洲市国家级高新技术开发区内，公司专门从事于金属陶瓷新材料的研发与生产，是一家集合研发、生产、销售于一体的的高新技术企业。我们专注于晶须陶瓷、碳氮化钛基(TiCN)金属陶瓷圆棒、切削刀片等耐磨耐高温材料的研发和生产销售，还可以针对客户特殊需求提供多种定制化服务。金属陶瓷材料适用于制作车刀、铣刀、铰刀、钻头等机械加工使用刀具。公司产品覆盖众多生产应用领域，其中包括汽车工业、航空航天、军工、医疗、机械、石油化工、IT等众多领域。

公司拥有经验丰富的生产技术及管理人才，由知名高校教授和多名博士研究生组成的研究团队，具备很强的自主研发能力，先进的技术力量保证了产品的品质和稳定性，产品质量在同行业中处于领先地位，并建立起了一套完整的质量管理体系和完善的售后服务网络，深受国内外用户的信赖和好评！



世界领先

金属加工行业新秀
国家级硬质合金切削刀具产业带



实力雄厚

国家专精特新小巨人企业
高新技术企业



技术先进

为机械加工制造行业
提供完备的刀具解决方案



接待大厅 Reception Hall

NewCermets

新陶新材

Zhuzhou Newcermet Materials Co., Ltd. is located in Zhuzhou national high-tech Development Zone, the company specializes in the research and development and production of new metal ceramic materials, is a research and development, production, sales in one of the high -tech enterprises. We specialize in the development and production of whisker ceramics , titanium carbon nitride (TiCN) cermet round rods , cutting blades, wear resistant and high temperature materials, and can also provide a variety of customized services for customers' special needs. Cermet materials are suitable for making machining tools such as turning tools, milling cutters, reamers and drill bits. The company's products cover many application fields, including automotive, aerospace, military, medical, machinery, petrochemical, IT and many other fields.

The company has experienced production technology and management personnel, a research and development team composed of well-known university professors and a number

of doctoral students, with strong independent research and development capabilities, advanced technical force to ensure product quality and stability, product quality in the industry in the leading position, and established a complete set of quality management system and perfect after-sales service network. By domestic and foreign users trust and praise!



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Provide complete tool solutions for the machining and manufacturing industry

NewCermets
新陶新材

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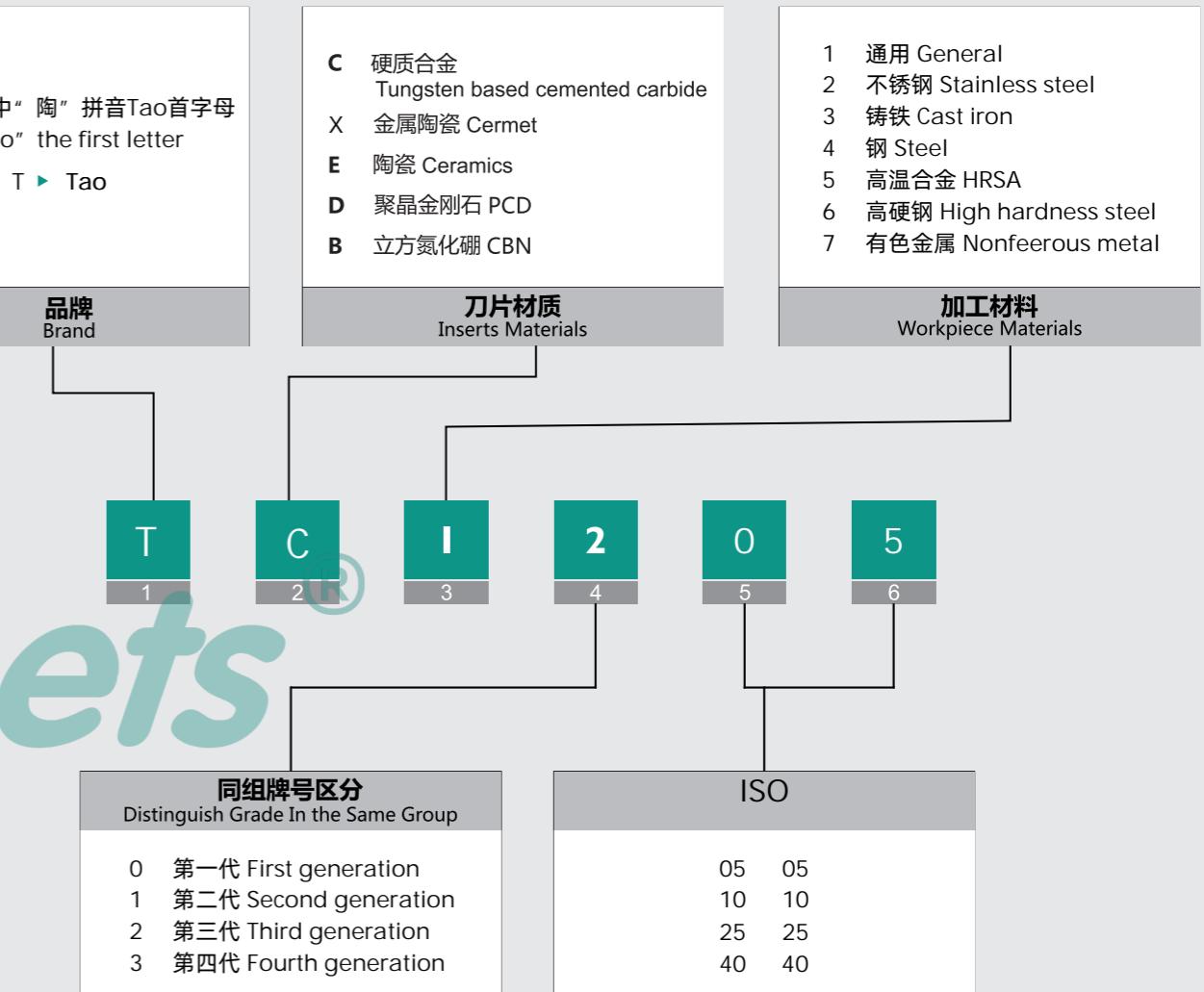
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新陶牌号命名规则

Inserts Grade Naming Rules



A

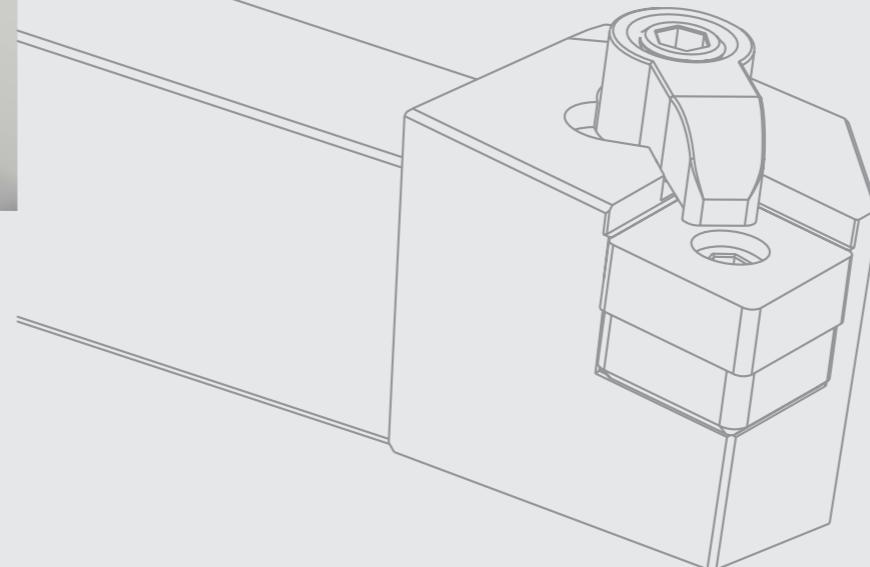
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小零件加工 Small Parts Processing	051



TURNING INSERTS

车削刀片



车削刀片牌号介绍

Grade Informations

产品牌号 Grade	ISO	涂层类型 Types of Coating	涂层组成 Coating Composition	特点及应用 Features and Applications
TC4110	P10~P25	CVD 双色 Bicolor	MT-TiCN+Al ₂ O ₃ +TiN	<p>1. 梯度结构的高硬度专用基体，结合中温TiCN和超细Al₂O₃涂层，刀片具备优异的耐磨性能。 2. 适用于稳定工况下零件的精加工，连续车削，追求高耐磨性场合。</p> <p>1. Using the special high-hardness substrate of gradient structure, combined with medium temperature TiCN and ultra-fine Al₂O₃ coating, it has excellent performance of wear resistance. 2. It is suitable for finishing processing and continuous turning of steel under stable working conditions and in pursuit of high wear-resistant occasions.</p>
TC4125	P15~P35	CVD 双色 Bicolor	MT-TiCN+Al ₂ O ₃ +TiN	<p>1. 全新的纳米柱状结构MT-TiCN和厚Al₂O₃涂层，与韧性和强度兼备的中钴梯度硬质合金基体相结合。 2. 适用于碳钢、合金钢等材料的半精加工到粗加工，亦可用于断续加工，是钢件车削加工的首选牌号。</p> <p>1. Using new nano-columnar structure of MT-TiCN and thick Al₂O₃ coating, combined with medium Cobalt gradient cemented carbide substrate with both toughness and strength. 2. It is suitable for semi-finishing to roughing processing of carbon steel, alloy steel and other materials. It can also be used for interrupted processing, and is the preferred grade for steel turning.</p>
TC4130	P20~P40	CVD 双色 Bicolor	MT-TiCN+Al ₂ O ₃ +TiN	<p>1. 高韧性基体搭配合适厚度的MT-TiCN和Al₂O₃涂层，使得材质在强冲击工况下仍能兼顾耐磨性和稳定性。 2. 适用于碳钢、合金钢等材料的车削粗加工。</p> <p>1. High toughness substrate with suitable thickness of MT-TiCN and Al₂O₃ coating, which makes the material keep the wear resistance and stability under strong impact conditions. 2. It is suitable for roughing processing of carbon steel, alloy steel and other materials turning.</p>
TC4335	P20~P35	CVD 黄色 Yellow	MT-TiCN+Al ₂ O ₃ +TiN	<p>1. 采用中钴含量的韧性硬质合金基体，结合中温TiCN和厚的Al₂O₃涂层，具有优良的耐磨性和抗崩缺性能。 2. 适用于软钢、低碳钢、低合金钢的广泛车削加工。</p> <p>1. It uses medium Cobalt content tough cemented carbide substrate, combined with medium temperature TiCN and thick Al₂O₃ coating, which has excellent performance of wear resistance and chipping resistance. 2. It is suitable for a wide range of turning of soft steel, low carbon steel and low carbon alloy steel.</p>
TC2035	P15~P35; M10~M30	CVD 双色 Bicolor	MT-TiCN+Al ₂ O ₃	<p>1. 采用中钴成分的高韧性梯度合金基体，搭配细晶柱状TiCN和超细的薄的Al₂O₃涂层，具有优异的抗崩缺能力和高温强度。 2. 适用于钢件、不锈钢材料的半精、粗车削加工，亦可用于恶劣工况下的大切深、大进给加工。</p> <p>1. Using high toughness gradient cemented carbide substrate with medium Cobalt content, matched with fine crystalline columnar TiCN and ultra-fine Al₂O₃ coating, it has excellent performance of chipping resistance and high temperature resistance. 2. It is suitable for semi-finishing and roughing processing of steel and stainless steel turning. It can also be used for large depth of cut and large feed machining under severe working conditions.</p>
TC3015	K10~K25	CVD 双色 Bicolor	MT-TiCN+Al ₂ O ₃	<p>1. 高耐磨性细晶粒基体，搭配细晶柱状中温TiCN和加厚Al₂O₃涂层，具有高的耐磨性和热稳定性。 2. 适用于球墨铸铁的连续加工和高耐磨性场合，尤其适合灰口铸铁的加工。</p> <p>1. Using high wear resistance fine crystalline substrate, combined with fine crystalline columnar medium temperature TiCN and thickened Al₂O₃ coating, it has excellent performance of wear resistance and thermal stability. 2. It is suitable for continuous processing of nodular cast iron and high wear resistance occasions, especially applicable to the processing of gray cast iron.</p>
TC3125	K15~K35	CVD 双色 Bicolor	MT-TiCN+Al ₂ O ₃	<p>1. 中等晶粒的强韧性基体，搭配全新升级的MT-TiCN和Al₂O₃涂层工艺，经特殊后处理工艺，刃口强度好，表面光滑。 2. 适用于铸造的半精加工到粗加工，亦可用于断续切削，是铸造车削加工的首选牌号。</p> <p>1. The strong and tough matrix of medium grain, combined with the newly upgraded MT-TiCN and Al₂O₃ coating process, after special post-treatment process, has good cutting edge strength and smooth surface. 2. It is suitable for semi-finishing to roughing processing of cast iron, and can also be used for interrupted cutting. It is the preferred grade for cast iron turning.</p>

车削刀片牌号介绍

Grade Informations

产品牌号 Grade	ISO	涂层类型 Types of Coating	涂层组成 Coating Composition	特点及应用 Features and Applications
TC1205	M05~M25 S05~S25	PVD 灰黑色 Gray-black	TiAlN	<p>1. 高耐磨性的细晶粒低钴基体，搭配通用性好的TiAlN涂层，具有优异的耐磨性性能。 2. 适用于不锈钢、高温合金、钛合金等的连续精加工场合。</p> <p>1. Using fine-grain low-cobalt substrate with high wear resistance, combined with high universality of TiAlN coating, it has excellent wear resistance. 2. It is suitable for continuous finishing of stainless steel, superalloy, titanium alloy, etc.</p>
TC1215	M10~M25 S10~S25	PVD 古铜色 Copper	TiAlSiN	<p>1. 采用亚微晶粒的中钴基体，搭配极高热稳定性的含硅PVD涂层，具有耐磨性好，耐高温性能优异的特点。 2. 适用于不锈钢、高温合金、钛合金等的连续车削场合，半精加工、偏精加工。</p> <p>1. Using the submicron grain medium cobalt substrate, combined with silicon-containing PVD coating with extremely high thermal stability, the inserts have characteristics of good wear resistance and high temperature resistance. 2. It is suitable for continuous turning of stainless steel, superalloy, titanium alloy, etc, semi-finishing and partial finishing.</p>
TC1225	P10~P25 M05~M25 S05~S25	PVD 灰黑色 Gray-black	TiAlN®	<p>1. 采用亚微晶粒的中钴基体，结合纳米结晶TiAlN涂层，具有良好的强韧性和通用性能。 2. 适用于合金钢、不锈钢、高温合金等的连续车削场合，半精加工。</p> <p>1. The submicron grain medium cobalt substrate combined with nanocrystal TiAlN coating, which makes it has high-toughness and good generality. 2. It is suitable for continuous turning of alloy steel, stainless steel, superalloy, semi-finishing.</p>
TC1120	M15~M30 S15~S30	PVD 古铜色 Copper	TiAlSiN	<p>1. 中钴含量的细晶粒硬质合金基体，结合热稳定性优异的TiAlSiN涂层，兼具耐磨性和韧性，且耐高温性能优异。 2. 适用于不锈钢、耐热合金的半精车削加工。</p> <p>1. The fine grain cemented carbide substrate with medium cobalt combined with excellent thermal stability of TiAlSiN coating, which makes inserts have good wear resistance and toughness, and excellent high temperature resistance. 2. It is suitable for semi-finishing turning of stainless steel and heat-resistant alloy.</p>
TC1025	P15~P30 M15~M30 S15~S30	PVD 金黄色 Gold-yellow	TiAlN	<p>1. 中钴含量的细晶粒硬质合金基体，具有良好的刃口强度，搭配全新的TiAlN涂层，具有良好的耐磨和通用性能。 2. 适用于合金钢、不锈钢等的半精车削加工，是不锈钢车削加工的通用牌号。</p> <p>1. Using medium cobalt fine-grained cemented carbide substrate with good edge strength, combined with the new TiAlN coating, it has both good wear resistance and generality. 2. It is applicable to semi-finishing turning of alloy steel, stainless steel, etc. and it is a general grade of stainless steel turning.</p>

车削刀片牌号介绍

Grade Informations

产品牌号 Grade	ISO	涂层类型 Types of Coating	涂层组成 Coating Composition	特点及应用 Features and Applications
TC6010	H05~H25	PVD 七彩色 Multiple-Color	AlTiCrSiN	<p>1.采用低钴含量的超细晶粒硬质合金基体，搭配全新升级的纳米结构PVD涂层，获得较强的涂层结合力、高耐磨性和高抗氧化性能。</p> <p>2.适用于淬硬钢的连续车削加工。</p> <p>1.The ultra-fine grain cemented carbide matrix with low Cobalt content is used with the newly upgraded nanostructure PVD coating to obtain strong coating adhesion, high wear resistance and high oxidation resistance.</p> <p>2.It is suitable for continuous turning processing of hardened steel.</p>
TC6020	H15~H30	PVD 七彩色 Multiple-Color	AlTiCrSiN	<p>1.采用低钴含量的细晶粒硬质合金基体，结合优异性能的纳米结构PVD涂层，具有优异的耐磨性和耐高温性能。</p> <p>2.适用于淬硬钢的车削半精加工，轻断续加工场合。</p> <p>1.The fine grain cemented carbide matrix with low Cobalt content is used, combined with excellent performance nanostructure PVD coating to obtain wear resistance and high temperature resistance.</p> <p>2.It is suitable for turning semi-finishing of hardened steel, light intermittent processing occasions.</p>
TC705	N05~N20	无涂层 Uncoated	\	<p>1.低钴的亚微晶粒硬质合金材质，结合特殊的后处理工艺，具有优异的耐磨性和抗黏结性。</p> <p>2.适用于有色金属的车削精加工。</p> <p>1.Low Cobalt submicrograin cemented carbide grade, combined with a special post-treatment process, has excellent wear resistance and adhesion resistance.</p> <p>2.It is suitable for turning finishing processing of non-ferrous metals.</p>
TC710	N10-N30	无涂层 Uncoated	\	<p>1.低钴含量的细晶粒硬质合金材质，结合特殊的后处理工艺，具有优异的耐磨性和抗黏结性。</p> <p>2.适用于有色金属的车削加工。</p> <p>1.The fine grain carbide grade with low cobalt content, combined with a special post-treatment process, has excellent wear resistance and adhesion resistance.</p> <p>2.It is suitable for turning of non-ferrous metals.</p>

车削产品牌号一览表

Recommended Grade Table

工件材料 Workpiece materials	ISO代号 ISO Code	CVD	PVD	金属陶瓷 Cermet	硬质合金 Cemented carbide	超硬材料 Superhard materials
P	P01					
P	P10	TC4110				
P	P20	TC4125				
P	P30	TC4130				
P	P40	TC4335				
M	M01					
M	M10					
M	M20					
M	M30	TC2035				
M	M40					
K	K01					
K	K10	TC3015				
K	K20	TC3125				
K	K30					
N	N01					
N	N10					
N	N20					
N	N30					
S	S01					
S	S10					
S	S20					
S	S30					
H	H01					
H	H10					
H	H20	TC6010				
H	H30	TC6020				

普通车削刀片命名规则

General Turning Inserts Naming Rules

形状代号 Shape

T N M G I6 04 08 — MB

A 车削刀片	B 铣削刀片	C 孔加工刀片
A	B	C
		其它

后角代号 Clearance Angle

T N M G I6 04 08 — MB

A	B
	其它后角 Others

断屑槽及夹固形式代号 Chip Breaker and Hole

T N M G I6 04 08 — MB

代号 Symbol	有无孔 Center Hole	有无断屑槽 Chip Breaker	刀片剖面 Insert Profile	代号 Symbol	有无孔 Center Hole	有无断屑槽 Chip Breaker	刀片剖面 Insert Profile
B	有(Y)	无(N)		N	无(N)	无(N)	
H	有(Y)	单面(S)		R	无(N)	单面(S)	
C	有(Y)	无(N)		F	无(N)	双面(D)	
J	有(Y)	双面(D)		A	有(Y)	无(N)	
W	有(Y)	无(N)		M	有(Y)	单面(S)	
T	有(Y)	单面(S)		G	有(Y)	双面(D)	
Q	有(Y)	无(N)		X			
U	有(Y)	双面(D)					

精度代号 Tolerance

T N M G I6 04 08 — MB

代号 Symbol	刀尖高度m 公差 (mm) m(mm)	内接圆ΦI.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						
				内切圆 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	6.35	±0.08	±0.08	±0.08	±0.11	±0.16	...
				9.525	±0.08	±0.08	±0.08	±0.11	±0.16	...
				12.7	±0.13	±0.13	±0.13	±0.15	...	...
A	±0.005	±0.025	±0.025	15.875	±0.15	±0.15	±0.15	±0.18	...	...
F	±0.005	±0.013	±0.025	19.05	±0.15	±0.15	±0.15	±0.18	...	...
C	±0.013	±0.025	±0.025	25.4	...	±0.18	...	...	...	...
H	±0.013	±0.013	±0.013	●内切圆ΦI.C.公差 (mm) ●Tolerance of Inscribed Circle						
E	±0.025	±0.025	±0.025	内切圆 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
G	±0.025	±0.025	±0.025	...	...	...	...	...	...	...
J	±0.005	±0.05~±0.13	±0.025	6.35	±0.05	±0.05	±0.05	±0.05	±0.05	...
K	±0.013	±0.05~±0.13	±0.025	9.525	±0.05	±0.05	±0.05	±0.05	±0.05	±0.05
L	±0.025	±0.05~±0.13	±0.025	12.7	±0.08	±0.08	±0.08	±0.08	...	±0.08
M	±0.08~±0.18	±0.05~±0.13	±0.13	15.875	±0.1	±0.1	±0.1	±0.1	...	±0.1
N	±0.08~±0.18	±0.05~±0.13	±0.025	19.05	±0.1	±0.1	±0.1	±0.1	...	±0.1
U	±0.13~±0.38	±0.08~±0.25	±0.13	25.4	...	...	±0.13	...	...	±0.13

普通车削刀片命名规则

General Turning Inserts Naming Rules

A
车削刀片

B
铣削刀片

C
孔加工刀片

切削刃长度代号 Cutting Edge Length

T N M G I6 04 08 — MB

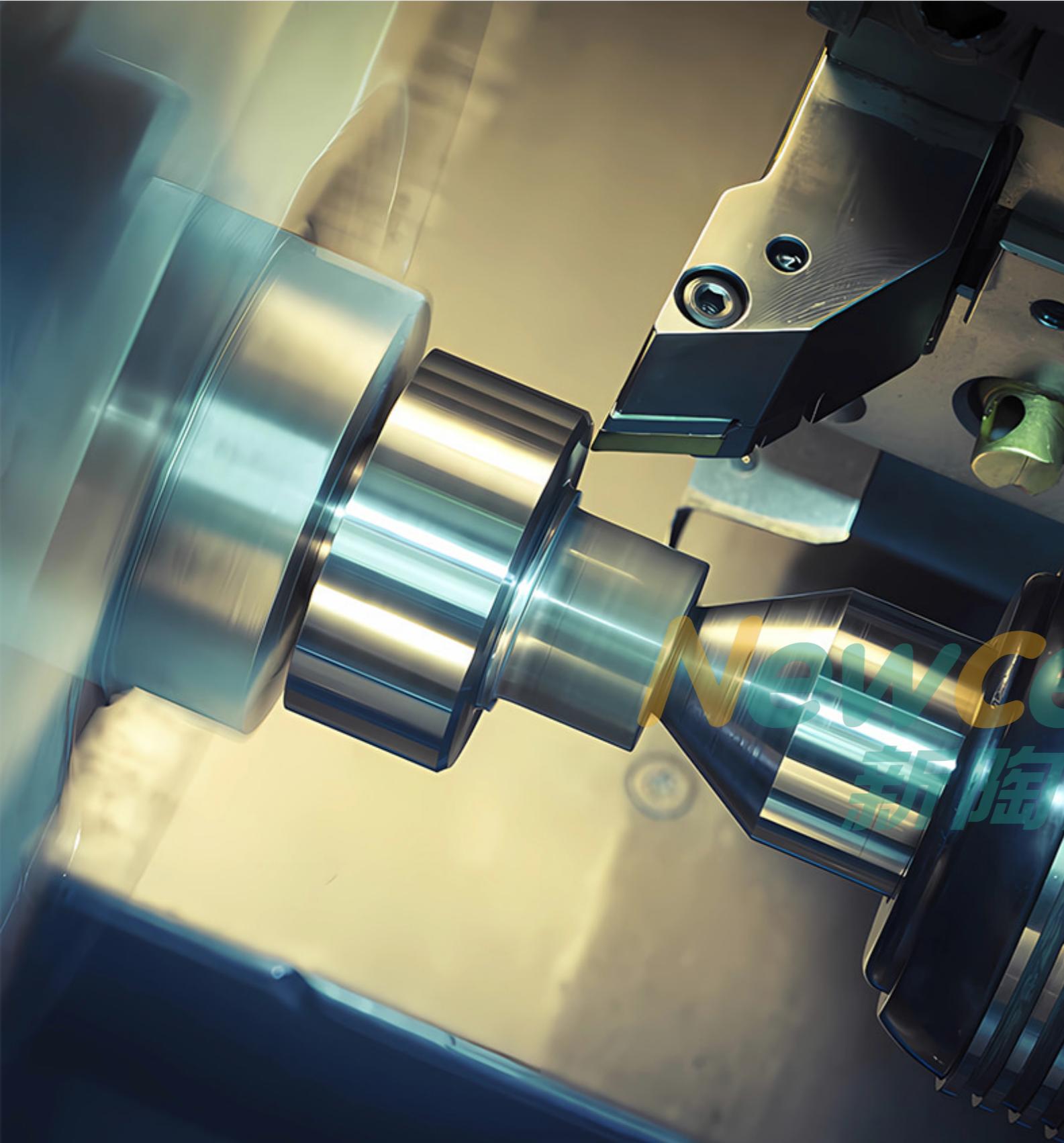
Inscribed Circle diameter(mm)	刀片外形 Insert Shape							
	C	D	R	S	T	V	W	K
3.97						06		
5				05				
5.56					09			
6			06					
6.35	06	07			11	11		
8			08					
9.525	09	11	09	09	16	16	06	16
10			10					
12			12					
12.7	12	15	12	12	22	22	08	
15.875	16		15	15	27			
16			16	16				
19.05	19		19	19	33		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

刀片厚度代号 Thickness

T N M G I6 04 08 —

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

厚度指刀片底面与切削刃最高部分之间的高度
The Height Between Insert Bottom And Nose



TURNING INSERTS FOR STEEL

钢件车削

Turning Inserts - Negative
CNMG (80° Negative)

车削刀片 - 负角型
CNMG (80° 负角型)

钢件车削 General Turning Inserts for Steel

工件材料 Workpiece Material	产品形状 Inserts Shape	型号 Type	尺寸 Dimensions (mm)					CVD涂层			PVD涂层		
			L	ΦI.C	T	Φd	r	TC4110	TC4125	TC4130			
P 钢	CNMG120404-TM	12.9	12.7	4.76	5.16	0.4		●	▲	●			
M 不锈钢	CNMG120408-TM	12.9	12.7	4.76	5.16	0.8		●	▲	●			
K 铸铁	CNMG120412-TM	12.9	12.7	4.76	5.16	1.2		●	▲	●			
N 有色金属	CNMG160608-PM	16.1	15.875	6.35	6.35	0.8		●	▲	●			
S 耐热合金、钛合金	CNMG160612-PM	16.1	15.875	6.35	6.35	1.2		●	▲	●			
H 淬硬钢	CNMG190608-PM	19.3	19.05	6.35	7.94	0.8		●	▲	●			
	CNMG190612-PM	19.3	19.05	6.35	7.94	1.2		●	▲	●			
	CNMG190616-PM	19.3	19.05	6.35	7.94	1.6		●	▲	●			

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

A 车削刀片

B 铣削刀片

C 孔加工刀片

Turning Inserts - Negative
CNMG (80° Negative)

车削刀片 - 负角型
CNMG (80° 负角型)

钢件车削 General Turning Inserts for Steel

A 车削刀片	B 铸削刀片	C 孔加工刀片	工况条件 Working Conditions												
			良好工况 Good working conditions					一般工况 General working conditions			不稳定工况 Unstable working conditions				
			P	钢	√	√	√	○	○	×	×	×			
			M	不锈钢						√	√	√			
			K	铸铁						○	○	○			
			N	有色金属						×	×	×			
产品 Inserts Shape			尺寸 Dimensions (mm)					CVD涂层			PVD涂层		金陶 Cermet		
			L	ΦI.C	T	Φd	r	TC4110	TC4125	TC4130	TC1120	TC1025	TX920		
半精加工 Semi-finishing	CNMG120404-CQ	12.9	12.7	4.76	5.16	0.4	●	▲	●						
		12.9	12.7	4.76	5.16	0.8	●	▲	●						
		12.9	12.7	4.76	5.16	1.2	●	▲	●						
通槽 Standard	CNMG120404-TC	12.9	12.7	4.76	5.16	0.4	●	▲	●						
		12.9	12.7	4.76	5.16	0.8	●	▲	●						
		12.9	12.7	4.76	5.16	1.2	●	▲	●						
		16.1	15.875	6.35	6.35	0.8	●	▲	●						
		16.1	15.875	6.35	6.35	1.2	●	▲	●						
		19.3	19.05	6.35	7.94	0.8	●	▲	●						
		19.3	19.05	6.35	7.94	1.2	●	▲	●						
		19.3	19.05	6.35	7.94	1.6	●	▲	●						
左右手 L/R	CNMG120404L/R-ZC	12.9	12.7	4.76	5.16	0.4	●	▲	●	▲	▲				
		12.9	12.7	4.76	5.16	0.8	●	▲	●	▲	▲				
		12.9	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 Make-to-order

Turning Inserts - Negative
DNMG (55° Negative)

钢件车削 General Turning Inserts for Steel

A 车削刀片	B 铸削刀片	C 孔加工刀片	工况条件 Working Conditions												
			良好工况 Good working conditions					一般工况 General working conditions			不稳定工况 Unstable working conditions				
			P	钢	√	√	√	○	○	×	×	×			
			M	不锈钢						√	√	√			
			K	铸铁						○	○	○			
			N	有色金属						×	×	×			
产品 Inserts Shape			尺寸 Dimensions (mm)					CVD涂层			PVD涂层		金陶 Cermet		
			L	ΦI.C	T	Φd	r	TC4110	TC4125	TC4130	TC1120	TC1025	TX920		
半精加工-粗加工 Semi-finishing to Roughing	DNMG150404-TM	15.5	12.7	4.76	5.16	0.4	●		▲		●				
		15.5	12.7	4.76	5.16	0.8	●		▲		●				
		15.5	12.7	4.76	5.16	1.2	●		▲		●				
		15.5	12.7	6.35	5.16	0.4	●		▲		●				
		15.5	12.7	6.35	5.16	0.8	●		▲		●				
半精加工-粗加工 Semi-finishing to Roughing	DNMG150604-TM	15.5	12.7	6.35	5.16	1.2	●		▲		●				
		15.5	12.7	6.35	5.16	1.6	●		▲		●				
		15.5	12.7	6.35	5.16	2.0	●		▲		●				
		15.5	12.7	6.35	5.16	2.4	●		▲		●				
		15.5	12.7	6.35	5.16	2.8	●		▲		●				
左右手 L/R	DNMG150604L/R-S	15.5	12.7	6.35	5.16	0.4	●		▲		●				
		15.5	12.7	6.35	5.16	0.8	●		▲		●				
		15.5	12.7	6.35	5.16	1.2	●		▲		●				
		15.5	12.7	6.35	5.16	1.6	●		▲		●				
		15.5	12.7	6.35	5.16	2.0	●		▲		●				

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

Turning Inserts - Negative
SNMG (90° Negative)

车削刀片 - 负角型
SNMG (90° 负角型)

钢件车削 General Turning Inserts for Steel

A 车削刀片	产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)					CVD涂层			PVD涂层			金陶 Cermet		
			L	ΦI.C	T	Φd	r	TC4110	TC4125	TC4130	TC1120	TC1025	TX920			
			SNMG120404-TM	12.7	12.7	4.76	5.16	0.4	●	▲	●					
			SNMG120408-TM	12.7	12.7	4.76	5.16	0.8	●	▲	●					
			SNMG120412-TM	12.7	12.7	4.76	5.16	1.2	●	▲	●					
B 铸削刀片	产品 Inserts Shape	型号 Type	SNMG120404-PM	12.7	12.7	4.76	5.16	0.4	●	▲	●					
			SNMG120408-PM	12.7	12.7	4.76	5.16	0.8	●	▲	●					
			SNMG120412-PM	12.7	12.7	4.76	5.16	1.2	●	▲	●					
			SNMG150608-PM	15.875	15.875	6.35	6.35	0.8	●	▲	●					
			SNMG150612-PM	15.875	15.875	6.35	6.35	1.2	●	▲	●					
			SNMG150616-PM	15.875	15.875	6.35	6.35	1.6	●	▲	●					
			SNMG190612-PM	19.05	19.05	6.35	6.35	1.2	●	▲	●					
C 孔加工刀片	产品 Inserts Shape	型号 Type	SNMG190616-PM	19.05	19.05	6.35	6.35	1.6	●	▲	●					
			SNMG120404	12.7	12.7	4.76	5.16	0.4	●	▲	●					
			SNMG120408	12.7	12.7	4.76	5.16	0.8	●	▲	●					
			SNMG120412	12.7	12.7	4.76	5.16	1.2	●	▲	●					
通槽 Standard	产品 Inserts Shape	型号 Type	SNMG120404L/R-S	12.7	12.7	4.76	5.16	0.4	●	▲	●		▲	▲		
			SNMG120408L/R-S	12.7	12.7	4.76	5.16	0.8	●	▲	●		▲	▲		
			SNMG120412L/R-S	12.7	12.7	4.76	5.16	1.2	●	▲	●		▲	▲		
			SNMG150612L/R-S	15.875	15.875	6.35	6.35	0.8	●	▲	●		▲	▲		
左右手 L/R	产品 Inserts Shape	型号 Type														

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

Turning Inserts - Negative
TNMG (60° Negative)

钢件车削 General Turning Inserts for Steel

A 车削刀片	产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)					CVD涂层			PVD涂层			金陶 Cermet		
			L	ΦI.C	T	Φd	r	TC4110	TC4125	TC4130	TC1120	TC1025	TX920			
			TNMG160404-PM	16.5	9.525	4.76	3.81	0.4	●	▲	●					
			TNMG160408-PM	16.5	9.525	4.76	3.81	0.8	●	▲	●					
			TNMG160412-PM	16.5	9.525	4.76	3.81	1.2	●	▲	●					
			TNMG220412-PM	22	12.7	4.76	5.16	1.2	●	▲	●					
B 铸削刀片	产品 Inserts Shape	型号 Type	TNMG160404-CQ	16.5	9.525	4.76	3.81	0.4	●	▲	●					
			TNMG160408-CQ	16.5	9.525	4.76	3.81	0.8	●	▲	●					
			TNMG160412-CQ	16.5	9.525	4.76	3.81	1.2	●	▲	●					
C 孔加工刀片	产品 Inserts Shape	型号 Type	TNMG160404	16.5	9.525	4.76	3.81	0.4	●	▲	●					
			TNMG160408	16.5	9.525	4.76	3.81	0.8	●	▲	●					
			TNMG160412	16.5	9.525	4.76	3.81	1.2	●	▲	●					
通槽 Standard	产品 Inserts Shape	型号 Type	TNMG160404L/R-S	16.5	9.525	4.76	3.81	0.4	●	▲	●		▲	▲		
			TNMG160408L/R-S	16.5	9.525	4.76	3.81	0.8	●	▲	●		▲	▲		
			TNMG160412L/R-S	16.5	9.525	4.76	3.81	1.2	●	▲	●		▲	▲		
			TNMG220412L/R-S	22	12.7	4.76	5.16	1.2	●	▲	●		▲	▲		
左手 L/R	产品 Inserts Shape															

Turning Inserts - Negative
VNMG (35° Negative)

车削刀片 - 负角型
VNMG (35° 负角型)

Turning Inserts - Negative
WNMG (80° Trigonal Negative)

车削刀片 - 负角型
WNMG (80° 桃形 负角型)

钢件车削 General Turning Inserts for Steel

A 车削刀片	工件材料 Workpiece Material										
	√ 良好工况 Good working conditions					○ 一般工况 General working conditions			× 不稳定工况 Unstable working conditions		
	P	钢	√	√	○	○	×	×	×	√	
	M	不锈钢					√	√	√	○ ○ ○ × × × √	
	K	铸铁								×	×
	N	有色金属									
B 铸削刀片	S	耐热合金、钛合金								×	×
	H	淬硬钢									
	产品 Inserts Shape		尺寸 Dimensions (mm)			CVD涂层			PVD涂层		金陶 Cermet
	L	ΦI.C	T	Φd	r	TC4110	TC4125	TC4130	TC1120	TC1025	
	VNMG160404-TM	16.6	9.525	4.76	3.81	0.4	●	▲	●		
	VNMG160408-TM	16.6	9.525	4.76	3.81	0.8	●	▲	●		
C 孔加工刀片	VNMG160412-TM	16.6	9.525	4.76	3.81	1.2	●	▲	●		
	VNMG160404-PM	16.6	9.525	4.76	3.81	0.4	●	▲	●		
	VNMG160408-PM	16.6	9.525	4.76	3.81	0.8	●	▲	●		
	VNMG160412-PM	16.6	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 Make-to-order

钢件车削 General Turning Inserts for Steel

A 车削刀片	工件材料 Workpiece Material										
	√ 良好工况 Good working conditions					○ 一般工况 General working conditions			× 不稳定工况 Unstable working conditions		
	P	钢	√	√	○	○	×	×	×	√	
	M	不锈钢					√	√	√	○ ○ ○ × × × √	
	K	铸铁								×	×
	N	有色金属									
B 铣削刀片	S	耐热合金、钛合金								×	×
	H	淬硬钢									
	产品 Inserts Shape		尺寸 Dimensions (mm)			CVD涂层			PVD涂层		金陶 Cermet
	L	ΦI.C	T	Φd	r	TC4110	TC4125	TC4130	TC1120	TC1025	
	WNMG080404-TM	8.7	12.7	4.76	5.16	0.4	●	▲	●		
	WNMG080408-TM	8.7	12.7	4.76	5.16	0.8	●	▲	●		
C 孔加工刀片	WNMG080412-TM	8.7	12.7	4.76	5.16	1.2	●	▲	●		
	WNMG080404-PM	8.7	12.7	4.76	5.16	0.4	●	▲	●		
	WNMG080408-PM	8.7	12.7	4.76	5.16	0.8	●	▲	●		
	WNMG080412-PM	8.7	12.7	4.76	5.16	1.2	●	▲	●		
C 孔加工刀片	WNMG080404-CQ	8.7	12.7	4.76	5.16	0.4	●	▲	●		
	WNMG080408-CQ	8.7	12.7	4.76	5.16	0.8	●	▲	●		
	WNMG080412-CQ	8.7	12.7	4.76	5.16	1.2	●	▲	●		
	WNMG080404-43	8.7	12.7	4.76	5.16	0.4	●	▲	●		
	WNMG080408-43	8.7	12.7	4.76	5.16	0.8	●	▲	●		
C 孔加工刀片	WNMG080412-43	8.7	12.7	4.76	5.16	1.2	●	▲	●		
	WNMG080404L/R-S	8.7	12.7	4.76	5.16	0.4	●	▲	●		
	WNMG080408L/R-S	8.7	12.7	4.76	5.16	0.8	●	▲	●		
	WNMG080412L/R-S	8.7	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 Make-to-order

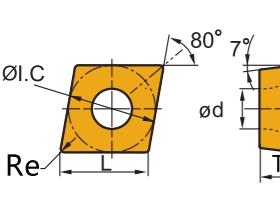
Turning Inserts - Positive

CCMT (80° Positive)/DCMT (55° Positive)

车削刀片 - 正角型

CCMT (80° 正角型)/DCMT(55° 正角型)

钢件车削 General Turning Inserts for Steel



A 车削刀片	B 铣削刀片	C 孔加工刀片	尺寸 Dimensions (mm)							CVD涂层				PVD涂层			金陶	
			L	ΦI.C	T	Φd	r	TC4110	TC4125									
			CCMT060204-HM	6.4	6.35	2.38	2.8	0.4			● ▲							
			CCMT060208-HM	6.4	6.35	2.38	2.8	0.8			● ▲							
			CCMT09T304-HM	9.7	9.525	3.97	4.4	0.4			● ▲							
			CCMT06T308-HM	9.7	9.525	3.97	4.4	0.8			● ▲							
			CCMT120404-HM	12.9	12.7	4.76	5.56	0.4			● ▲							
			CCMT120408-HM	12.9	12.7	4.76	5.56	0.8			● ▲							
			CCMT120412-HM	12.9	12.7	4.76	5.56	1.2			● ▲							
			CCMT060204-SL	6.4	6.35	2.38	2.8	0.4			● ▲							
			CCMT060208-SL	6.4	6.35	2.38	2.8	0.8			● ▲							
			CCMT09T304-SL	9.7	9.525	3.97	4.4	0.4			● ▲							
			CCMT09T308-SL	9.7	9.525	3.97	4.4	0.8			● ▲							
			CCMT120404-SL	12.9	12.7	4.76	5.56	0.4			● ▲							
			CCMT120408-SL	12.9	12.7	4.76	5.56	0.8			● ▲							
			DCMT070204-HM	7.8	6.35	2.38	2.8	0.4			● ▲							
			DCMT11T304-HM	11.6	9.525	3.97	4.4	0.4			● ▲							
			DCMT11T308-HM	11.6	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 Make-to-order

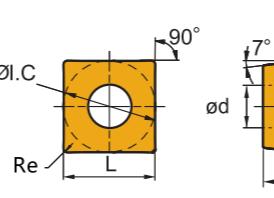
Turning Inserts - Positive

SCMT (Square Positive)

车削刀片 - 正角型

SCMT (正方形 正角型)

钢件车削 General Turning Inserts for Steel

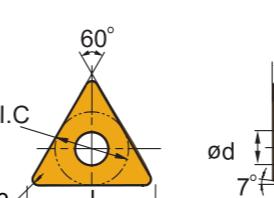


A 车削刀片	B 铣削刀片	C 孔加工刀片	尺寸 Dimensions (mm)							CVD涂层				PVD涂层				
			L	ΦI.C	T	Φd	r	TC4110	TC4125									
			SCMT09T304-HM	9.525	9.525	3.97	4.4	0.4			● ▲							
			SCMT09T308-HM	9.525	9.525	3.97	4.4	0.8			● ▲							
			SCMT120404-HM	12.7	12.7	4.76	5.56	0.4			● ▲							
			SCMT120408-HM	12.7	12.7	4.76	5.56	0.8			● ▲							
			通用加工 General Machining															

TCMT (Triangle Positive)

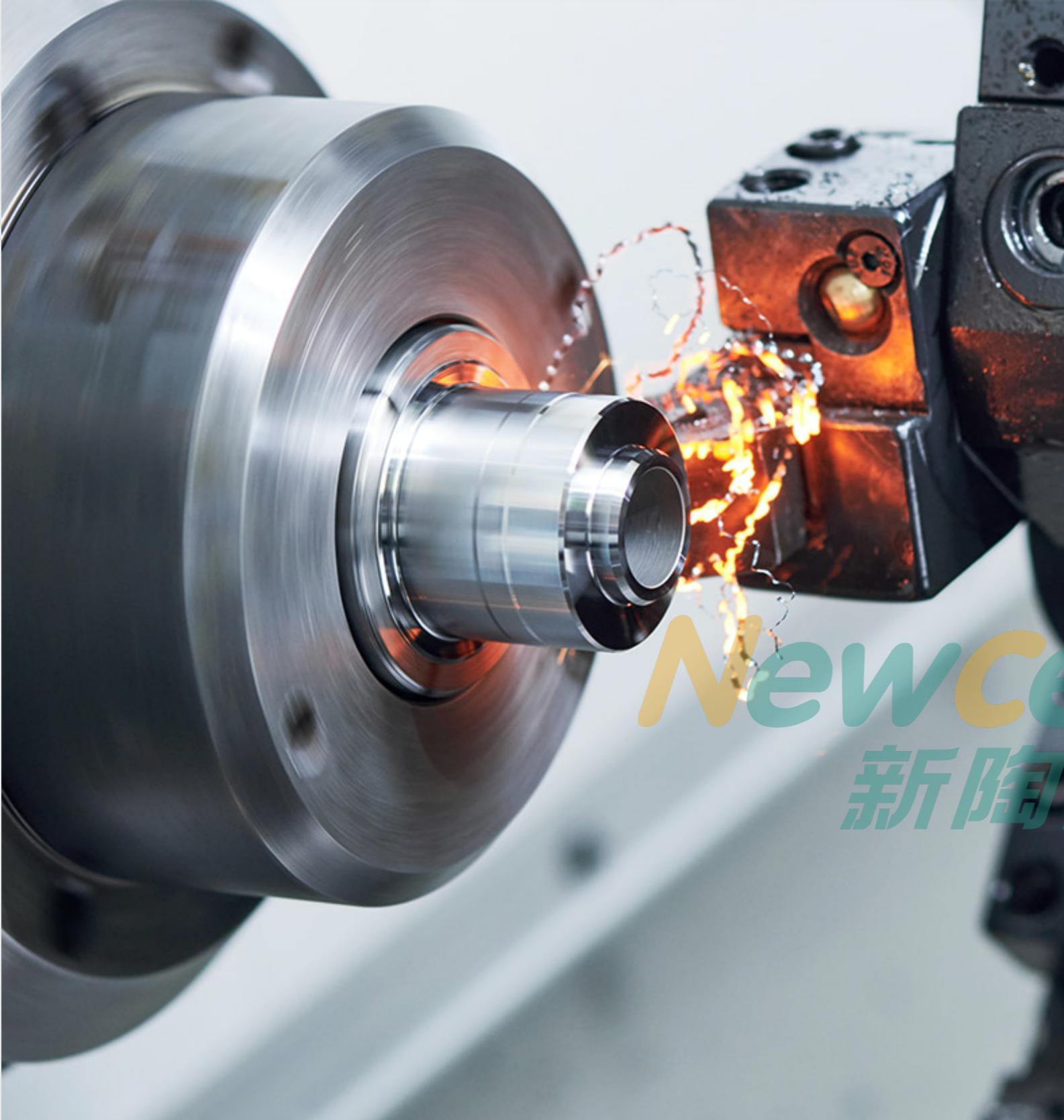
TCMT (三角形 正角型)

钢件车削 General Turning Inserts for Steel



A 车削刀片	B 铣削刀片	C 孔加工刀片	尺寸 Dimensions (mm)							CVD涂层				PVD涂层				
			L	ΦI.C	T	Φd	r	TC4110	TC4125									
			TCMT090204-HM	9.525	9.525	3.97	4.4	0.4			● ▲							
			TCMT090208-HM	9.525	9.525	3.97	4.4	0.8			● ▲							
			TCMT110204-HM	11	6.35	2.38	2.8	0.4			● ▲							
			TCMT110208-HM	11	6.35	2.38	2.8	0.8			● ▲							
			TCMT16T304-HM	16.5	9.525	3.97	4.4	0.4			● ▲							
			TCMT16T308-HM	16.5	9.525	3.97	4.4	0.8			● ▲							
			通用加工 General Machining															

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



TURNING INSERTS FOR STAINLESS STEEL, TITANIUM ALLOY,
AND HIGH-TEMPERATURE ALLOY

不锈钢、钛合金和高温合金车削

Turning Inserts - Negative
CNMG (80° Negative)

车削刀片 - 负角型
CNMG (80° 负角型)

不锈钢车削 General Turning Inserts for Stainless Steel

产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)					PVD涂层					金陶 Cermet
		L	ØI.C	T	Ød	r	TC1215	TC1025	TC1120			
	CNMG120404-BF	12.9	12.7	4.76	5.16	0.4	●	▲		●		
	CNMG120408-BF	12.9	12.7	4.76	5.16	0.8	●	▲		●		
	CNMG120412-BF	12.9	12.7	4.76	5.16	1.2	●	▲		●		
	CNMG120404-MS	12.9	12.7	4.76	5.16	0.4	●	▲		●		
	CNMG120408-MS	12.9	12.7	4.76	5.16	0.8	●	▲		●		
	CNMG120412-MS	12.9	12.7	4.76	5.16	1.2	●	▲		●		
	CNMG120404-MA	12.9	12.7	4.76	5.16	0.4	●	▲		●		
	CNMG120408-MA	12.9	12.7	4.76	5.16	0.8	●	▲		●		
	CNMG120412-MA	12.9	12.7	4.76	5.16	1.2	●	▲		●		
	CNMG120404-SM	12.9	12.7	4.76	5.16	0.4	●	▲		●		
	CNMG120408-SM	12.9	12.7	4.76	5.16	0.8	●	▲		●		
	CNMG120412-SM	12.9	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 Make-to-order

A 车削刀片

B 铣削刀片

C 孔加工刀片

Turning Inserts - Negative
DNMG (55° Negative)

车削刀片 - 负角型
DNMG (55° 负角型)

Turning Inserts - Negative
SNMG (90° Negative)

车削刀片 - 负角型
SNMG (90° 负角型)

不锈钢车削 General Turning Inserts for Stainless Steel

A 车削刀片	产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)					PVD涂层					金陶 Cermet	
			L	ØI.C	T	Φd	r	TC1215	TC1025	TC1120				
			DNMG150404-SM	15.5	12.7	4.76	5.16	0.4	●	▲	●			
			DNMG150408-SM	15.5	12.7	4.76	5.16	0.8	●	▲	●			
			DNMG150412-SM	15.5	12.7	4.76	5.16	1.2	●	▲	●			
								●	▲	●				
B 铣削刀片	产品 Inserts Shape	型号 Type	DNMG150404-BF	15.5	12.7	4.76	5.16	0.4	●	▲	●			金陶 Cermet
			DNMG150408-BF	15.5	12.7	4.76	5.16	0.8	●	▲	●			
			DNMG150412-BF	15.5	12.7	4.76	5.16	1.2	●	▲	●			
			DNMG150604-BF	15.5	12.7	6.35	5.16	0.4	●	▲	●			
			DNMG150608-BF	15.5	12.7	6.35	5.16	0.8	●	▲	●			
			DNMG156012-BF	15.5	12.7	6.35	5.16	1.2	●	▲	●			
C 孔加工刀片	产品 Inserts Shape	型号 Type	DNMG150404-MS	15.5	12.7	4.76	5.16	0.4	●	▲	●			金陶 Cermet
			DNMG150408-MS	15.5	12.7	4.76	5.16	0.8	●	▲	●			
			DNMG150412-MS	15.5	12.7	4.76	5.16	1.2	●	▲	●			
			DNMG150604-MS	15.5	12.7	6.35	5.16	0.4	●	▲	●			
			DNMG150608-MS	15.5	12.7	6.35	5.16	0.8	●	▲	●			
			DNMG156012-MS	15.5	12.7	6.35	5.16	1.2	●	▲	●			
半精加工-精加工 Semi-finishing to Finishing	产品 Inserts Shape	型号 Type	DNMG150404-MA	15.5	12.7	4.76	5.16	0.4	●	▲	●			金陶 Cermet
			DNMG150408-MA	15.5	12.7	4.76	5.16	0.8	●	▲	●			
			DNMG150412-MA	15.5	12.7	4.76	5.16	1.2	●	▲	●			
			DNMG150604-MA	15.5	12.7	6.35	5.16	0.4	●	▲	●			
			DNMG150608-MA	15.5	12.7	6.35	5.16	0.8	●	▲	●			
			DNMG156012-MA	15.5	12.7	6.35	5.16	1.2	●	▲	●			
半精加工-粗加工 Semi-finishing to Roughing	产品 Inserts Shape	型号 Type	DNMG150404-MA	15.5	12.7	4.76	5.16	0.4	●	▲	●			金陶 Cermet
			DNMG150408-MA	15.5	12.7	4.76	5.16	0.8	●	▲	●			
			DNMG150412-MA	15.5	12.7	4.76	5.16	1.2	●	▲	●			
			DNMG150604-MA	15.5	12.7	6.35	5.16	0.4	●	▲	●			
			DNMG150608-MA	15.5	12.7	6.35	5.16	0.8	●	▲	●			
			DNMG156012-MA	15.5	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 Make-to-order

不锈钢车削 General Turning Inserts for Stainless Steel

A 车削刀片	产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)					PVD涂层					金陶 Cermet	
			L	ØI.C	T	Φd	r	TC1215	TC1025	TC1120				
			SNMG120404-BF	12.7	12.7	4.76	5.16	0.4	●	▲	●			
			SNMG120408-BF	12.7	12.7	4.76	5.16	0.8	●	▲	●			
			SNMG120412-BF	12.7	12.7	4.76	5.16	1.2	●	▲	●			
B 铣削刀片	产品 Inserts Shape	型号 Type	SNMG120404-MA	12.7	12.7	4.76	5.16	0.4	●	▲	●			金陶 Cermet
			SNMG120408-MA	12.7	12.7	4.76	5.16	0.8	●	▲	●			
			SNMG120412-MA	12.7	12.7	4.76	5.16	1.2	●	▲	●			
			SNMG120404-MS	12.7	12.7	4.76	5.16	0.4	●	▲	●			
			SNMG120408-MS	12.7	12.7	4.76	5.16	0.8	●	▲	●			
C 孔加工刀片	产品 Inserts Shape	型号 Type	SNMG120412-MS	12.7	12.7	4.76	5.16	1.2	●	▲	●			金陶 Cermet
			SNMG120404-SM	12.7	12.7	4.76	5.16	0.4	●	▲	●			
			SNMG120408-SM	12.7	12.7	4.76	5.16	0.8	●	▲	●			
			SNMG120412-SM	12.7	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 Make-to-order

Turning Inserts - Negative
TNMG (60° Negative)

车削刀片 - 负角型
TNMG (60° 负角型)

Turning Inserts - Negative
VNMG (35° Negative)

车削刀片 - 负角型
VNMG (35° 负角型)

不锈钢车削 General Turning Inserts for Stainless Steel

A 车削刀片	产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)							PVD涂层							金陶 Cermet		
			L	ØI.C	T	Φd	r	TC1215	TC1025	TC1120	TC1215	TC1025	TC1120	TC1215	TC1025	TC1120	TC1215	TC1025	TC1120
			TNMG160404-SM	16.5	9.525	4.76	3.81	0.4	●	▲	●	●	●	●	●	●	●	●	●
			TNMG160408-SM	16.5	9.525	4.76	3.81	0.8	●	▲	●	●	●	●	●	●	●	●	●
			TNMG160412-SM	16.5	9.525	4.76	3.81	1.2	●	▲	●	●	●	●	●	●	●	●	●
			TNMG160404-BF	16.5	9.525	4.76	3.81	0.4	●	▲	●	●	●	●	●	●	●	●	●
			TNMG160408-BF	16.5	9.525	4.76	3.81	0.8	●	▲	●	●	●	●	●	●	●	●	●
			TNMG160412-BF	16.5	9.525	4.76	3.81	1.2	●	▲	●	●	●	●	●	●	●	●	●
			TNMG160404-MS	16.5	9.525	4.76	3.81	0.4	●	▲	●	●	●	●	●	●	●	●	●
			TNMG160408-MS	16.5	9.525	4.76	3.81	0.8	●	▲	●	●	●	●	●	●	●	●	●
			TNMG160412-MS	16.5	9.525	4.76	3.81	1.2	●	▲	●	●	●	●	●	●	●	●	●
			TNMG160404-MA	16.5	9.525	4.76	3.81	0.4	●	▲	●	●	●	●	●	●	●	●	●
			TNMG160408-MA	16.5	9.525	4.76	3.81	0.8	●	▲	●	●	●	●	●	●	●	●	●
			TNMG160412-MA	16.5	9.525	4.76	3.81	1.2	●	▲	●	●	●	●	●	●	●	●	●
			TNMG160404L/R-S	16.5	9.525	4.76	3.81	0.4	●	▲	●	●	●	●	●	●	●	●	●
			TNMG160408L/R-S	16.5	9.525	4.76	3.81	0.8	●	▲	●	●	●	●	●	●	●	●	●
			TNMG160412L/R-S	16.5	9.525	4.76	3.81	1.2	●	▲	●	●	●	●	●	●	●	●	●
			TNMG160404L/R-S	16.5	9.525	4.76	3.81	0.4	●	▲	●	●	●	●	●	●	●	●	●
			TNMG160408L/R-S	16.5	9.525	4.76	3.81	0.8	●	▲	●	●	●	●	●	●	●	●	●
			TNMG160412L/R-S	16.5	9.525	4.76	3.81	1.2	●	▲	●	●	●	●	●	●	●	●	●
			TNMG160404L/R-S	16.5	9.525	4.76	3.81	0.4	●	▲	●	●	●	●	●	●	●	●	●
			TNMG160408L/R-S	16.5	9.525	4.76	3.81	0.8	●	▲	●	●	●	●	●	●	●	●	●
			TNMG160412L/R-S	16.5	9.525	4.76	3.81	1.2	●	▲	●	●	●	●	●	●	●	●	●
			TNMG160404L/R-S	16.5	9.525	4.76	3.81	0.4	●	▲	●	●	●	●	●	●	●	●	●
			TNMG160408L/R-S	16.5	9.525	4.76	3.81	0.8	●	▲	●	●	●	●	●	●	●	●	●
			TNMG160412L/R-S	16.5	9.525	4.76	3.81	1.2	●	▲	●	●	●	●	●	●	●	●	●
			TNMG160404L/R-S	16.5	9.525	4.76	3.81	0.4	●	▲	●	●	●	●	●	●	●	●	●
			TNMG160408L/R-S	16.5	9.525	4.76	3.81	0.8	●	▲	●	●	●	●	●	●	●	●	●
			TNMG160412L/R-S	16.5	9.525	4.76	3.81	1.2	●	▲	●	●	●	●	●	●	●	●	●
			TNMG160404L/R-S	16.5	9.525	4.76	3.81	0.4	●	▲	●	●	●	●	●	●	●	●	●
			TNMG160408L/R-S	16.5	9.525	4.76	3.81	0.8	●	▲	●	●	●	●	●	●	●	●	●
			TNMG160412L/R-S	16.5	9.525	4.76	3.81	1.2	●	▲	●	●	●	●	●	●	●	●	●
			TNMG160404L/R-S	16.5	9.525	4.76	3.81	0.4	●	▲	●	●	●	●	●	●	●	●	●
			TNMG160408L/R-S	16.5	9.525	4.76	3.81	0.8	●	▲	●	●	●	●	●	●	●	●	●
			TNMG160412L/R-S	16.5	9.525	4.76	3.81	1.2	●	▲	●	●	●	●	●	●	●	●	●
			TNMG160404L/R-S	16.5	9.525	4.76	3.81	0.4	●	▲	●	●	●	●	●	●	●	●	●
			TNMG160408L/R-S	16.5	9.525	4.76	3.81	0.8	●	▲	●	●	●	●	●	●	●	●	●
			TNMG160412L/R-S	16.5	9.525	4.76	3.81	1.2	●	▲	●	●	●	●	●	●	●	●	●
			TNMG160404L/R-S	16.5	9.525	4.76	3.81	0.4	●	▲	●	●	●	●	●	●	●	●	●
			TNMG160408L/R-S	16.5	9.525	4.76	3.81	0.8	●	▲	●	●	●	●	●	●	●	●	●
			TNMG160412L/R-S	16.5	9.525	4.76	3.81	1.2	●	▲	●	●	●	●	●	●	●	●	●
			TNMG160404L/R-S	16.5	9.525	4.76	3.81	0.4	●	▲	●	●	●	●	●	●	●	●	●
			TNMG160408L/R-S	16.5	9.525	4.76	3.81	0.8	●	▲	●	●	●	●	●	●	●	●	●
			TNMG160412L/R-S	16.5	9.525	4.76	3.81	1.2	●	▲	●	●	●	●	●	●	●	●	●

Turning Inserts - Negative
WNMG (80° Trigonal Negative)

车削刀片 - 负角型
WNMG (80° 桃形 负角型)

Turning Inserts - Positive
CCMT (80° Postive)

车削刀片 - 正角型
CCMT (80° 正角型)

不锈钢车削 General Turning Inserts for Stainless Steel

A 车削刀片	产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)					PVD涂层					金陶 Cermet					
			L	ØI.C	T	Φd	r	TC1215	TC1025	TC1120	TC1215	TC1025	TC1120	TC1215	TC1025	TC1120		
			WNMG080404-BF	8.7	12.7	4.76	5.16	0.4	●	▲	●	●	●	●	●	●	●	
			WNMG080408-BF	8.7	12.7	4.76	5.16	0.8	●	▲	●	●	●	●	●	●	●	
			WNMG080412-BF	8.7	12.7	4.76	5.16	1.2	●	▲	●	●	●	●	●	●	●	
			WNMG080404-MS	8.7	12.7	4.76	5.16	0.4	●	▲	●	●	●	●	●	●	●	
			WNMG080408-MS	8.7	12.7	4.76	5.16	0.8	●	▲	●	●	●	●	●	●	●	
			WNMG080412-MS	8.7	12.7	4.76	5.16	1.2	●	▲	●	●	●	●	●	●	●	
B 铣削刀片	产品 Inserts Shape	型号 Type	WNMG080404-MA	8.7	12.7	4.76	5.16	0.4	●	▲	●	●	●	●	●	●	●	●
			WNMG080408-MA	8.7	12.7	4.76	5.16	0.8	●	▲	●	●	●	●	●	●	●	●
			WNMG080412-MA	8.7	12.7	4.76	5.16	1.2	●	▲	●	●	●	●	●	●	●	●
			WNMG080404-SM	8.7	12.7	4.76	5.16	0.4	●	▲	●	●	●	●	●	●	●	●
			WNMG080408-SM	8.7	12.7	4.76	5.16	0.8	●	▲	●	●	●	●	●	●	●	●
			WNMG080412-SM	8.7	12.7	4.76	5.16	1.2	●	▲	●	●	●	●	●	●	●	●
			WNMG080404L/R-M	8.7	12.7	4.76	5.16	0.4	●	▲	●	●	●	●	●	●	●	●
C 孔加工刀片	产品 Inserts Shape	型号 Type	WNMG080408L/R-M	8.7	12.7	4.76	5.16	0.8	●	▲	●	●	●	●	●	●	●	●
			WNMG080412L/R-M	8.7	12.7	4.76	5.16	1.2	●	▲	●	●	●	●	●	●	●	●
			WNMG080404L/R-M	8.7	12.7	4.76	5.16	0.4	●	▲	●	●	●	●	●	●	●	●
			WNMG080408L/R-M	8.7	12.7	4.76	5.16	0.8	●	▲	●	●	●	●	●	●	●	●
			WNMG080412L/R-M	8.7	12.7	4.76	5.16	1.2	●	▲	●	●	●	●	●	●	●	●
			WNMG080404L/R-M	8.7	12.7	4.76	5.16	0.4	●	▲	●	●	●	●	●	●	●	●
			WNMG080408L/R-M	8.7	12.7	4.76	5.16	0.8	●	▲	●	●	●	●	●	●	●	●
			WNMG080412L/R-M	8.7	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 Make-to-order

不锈钢车削 General Turning Inserts for Stainless Steel

A 车削刀片	产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)					PVD涂层					金陶 Cermet					
			L	ØI.C	T	Φd	r	TC1215	TC1025	TC1120	TC1215	TC1025	TC1120	TC1215	TC1025	TC1120		
			CCMT060204-MA	6.4	6.35	2.38	2.8	0.4	●	▲	●	●	●	●	●	●	●	
			CCMT060208-MA	6.4	6.35	2.38	2.8	0.8	●	▲	●	●	●	●	●	●	●	
			CCMT09T304-MA	9.7	9.525	3.97	4.4	0.4	●	▲	●	●	●	●	●	●	●	
			CCMT09T308-MA	9.7	9.525	3.97	4.4	0.8	●	▲	●	●	●	●	●	●	●	
			CCMT120404-MA	12.9	12.7	4.76	5.56	0.4	●	▲	●	●	●	●	●	●	●	
			CCMT120408-MA	12.9	12.7	4.76	5.56	0.8	●	▲	●	●	●	●	●	●	●	
B 铣削刀片	产品 Inserts Shape	型号 Type	DCMT070204-MA	7.8	6.35	2.38	2.8	0.4	●	▲	●	●	●	●	●	●	●	●
			DCMT070208-MA	7.8	6.35	2.38	2.8	0.8	●	▲	●	●	●	●	●	●	●	●
			DCMT11T304-MA	11.6	9.525	3.97	4.4	0.4	●	▲	●	●	●	●	●	●	●	●
			DCMT11T308-MA	11.6	9.525	3.97	4.4	0.8	●	▲	●	●	●	●	●	●	●	●
			DCMT11T312-MA	11.6	9.525	3.97	4.4	1.2	●	▲	●	●	●	●	●	●	●	●
			DCMT11T316-MA	11.6	9.525	3.97	4.4	1.6	●	▲	●	●	●	●	●	●	●	●
			DCMT11T320-MA	11.6	9.525	3.97	4.4	2.0	●	▲	●	●	●	●	●	●	●	●
C 孔加工刀片	产品 Inserts Shape	型号 Type	DCMT070204-MA	7.8	6.35	2.38	2.8	0.4	●	▲	●	●	●	●	●	●	●	●
			DCMT070208-MA	7.8	6.35	2.38	2.8	0.8	●	▲	●	●	●	●	●	●	●	●
			DCMT11T304-MA	11.6	9.525	3.97	4.4	0.4	●	▲	●	●	●	●	●	●	●	●
			DCMT11T308-MA	11.6	9.525	3.97	4.4	0.8	●	▲	●	●	●	●	●	●	●	●

Turning Inserts - Positive
SCMT (Square Positive)

车削刀片 - 正角型
SCMT (正方形 正角型)

车削刀片

TURNING INSERTS

不锈钢车削 General Turning Inserts for Stainless Steel

A 车削刀片	产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)					镀层 Coating										
			L	ØI.C	T	Φd	r	TC1215	TC1025	TC1120	金陶 Cermet	...	...	...	...	...	...
	SCMT09T304-MA	9.53	9.525	3.97	4.4	0.4	●	▲			●							
	SCMT09T308-MA	9.53	9.525	3.97	4.4	0.8	●	▲			●							
	SCMT120404-MA	12.7	12.7	4.76	5.56	0.4	●	▲			●							
	SCMT120408-MA	12.7	12.7	4.76	5.56	0.8	●	▲			●							
半精加工 Semi-finishing																		

TCMT (Triangle Positive)

TCMT (三角形 正角型)

不锈钢车削 General Turning Inserts for Stainless Steel

B 铣削刀片	产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)					镀层 Coating										
			L	ØI.C	T	Φd	r	TC1215	TC1025	TC1120	金陶 Cermet	...	...	...	...	...	...
	TCMT090202-MA	9.6	5.56	2.38	2.5	0.2	●	▲			●							
	TCMT090204-MA	9.6	5.56	2.38	2.5	0.4	●	▲			●							
	TCMT110202-MA	11	6.35	2.38	2.8	0.2	●	▲			●							
	TCMT110204-MA	11	6.35	2.38	2.8	0.4	●	▲			●							
	TCMT110208-MA	11	6.35	2.38	2.8	0.8	●	▲			●							
	TCMT16T304-MA	16.5	9.525	3.97	4.4	0.4	●	▲			●							
半精加工 Semi-finishing																		

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



TURNING INSERTS FOR CAST IRON

铸铁车削

Turning Inserts - Negative CNMG / CNMA (80° Negative)

车削刀片 - 负角型

CNMG/CNMA (80° Negative)

铸铁车削 General Turning Inserts for Cast Iron

工件材料 Workpiece Material	√ 良好工况 Good working conditions		○ 一般工况 General working conditions		× 不稳定工况 Unstable working conditions		P	M	K	N	S	H	TC3015	TC3125	PVD涂层 Cermet		
	øI.C	ød	T	R	L												
钢 Steel	✓	○	○											✓	×	×	✓
不锈钢 Stainless steel															×	×	×
铸造铁 Casting iron								✓	✓	✓	✓	○	○	×	×	×	✓
有色金属 Non-ferrous metals															✓	✓	✓
耐热合金、钛合金 Heat-resistant alloy, TiAl alloy															✓	✓	✓
淬硬钢 Tempered steel																	

产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)					CVD涂层				PVD涂层			金陶 Cermet
		L	øI.C	T	ød	r					TC3015	TC3125		
半精加工 Semi-finishing	CNMG120404-TC	12.7	12.7	4.76	5.16	0.4				•	▲			
	CNMG120408-TC	12.7	12.7	4.76	5.16	0.8				•	▲			
	CNMG120412-TC	12.7	12.7	4.76	5.16	1.2				•	▲			
半精加工-粗加工 Semi-finishing to Roughing	CNMG120404-GH	12.7	12.7	4.76	5.16	0.4				•	▲			
	CNMG120408-GH	12.7	12.7	4.76	5.16	0.8				•	▲			
	CNMG120412-GH	12.7	12.7	4.76	5.16	1.2				•	▲			
平板 Flat	CNMA120404	12.7	12.7	4.76	5.16	0.4				•	▲			
	CNMA120408	12.7	12.7	4.76	5.16	0.8				•	▲			
	CNMA120412	12.7	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 Make-to-order

A 车削刀片

B 铣削刀片

C 孔加工刀片

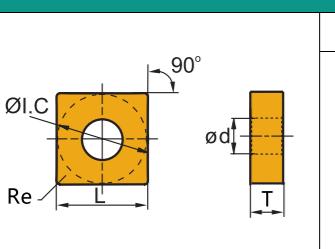
Turning Inserts - Negative

SNMG / SNMA (90° Negative)

车削刀片 - 负角型

SNMG/SNMA (90°负角型)

铸铁车削 General Turning Inserts for Cast Iron



A 车削刀片	工件材料 Workpiece Material													
	P 钢		M 不锈钢		K 铸铁		N 有色金属		S 耐热合金、钛合金					
	H 泊硬钢		Good working conditions 良好工况											
	尺寸 Dimensions (mm)					CVD涂层			PVD涂层		金陶	Cermet		
	L	ØI.C	T	Ød	r	TC3015	TC3125							
	SNMG120404-TC	12.7	12.7	4.76	5.16	0.4	●	▲						
	SNMG120408-TC	12.7	12.7	4.76	5.16	0.8	●	▲						
B 铣削刀片	SNMG120412-TC	12.7	12.7	4.76	5.16	1.2	●	▲						
C 孔加工刀片	SNMG120408-GH	12.7	12.7	4.76	5.16	0.8	●	▲						
	SNMG120412-GH	12.7	12.7	4.76	5.16	1.2	●	▲						
半精加工 Semi-finishing														
半精加工-粗加工 Semi-finishing to Roughing	SNMA120408	12.7	12.7	4.76	5.16	0.8	●	▲						
	SNMA120412	12.7	12.7	4.76	5.16	1.2	●	▲						
平板 Flat														

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

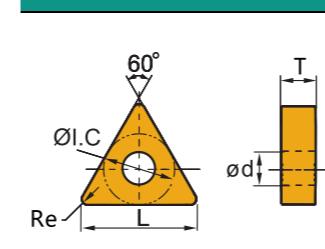
Turning Inserts - Negative

TNMG / TNMA (60° Negative)

车削刀片 - 负角型

TNMG/TNMA (60°负角型)

铸铁车削 General Turning Inserts for Cast Iron



A 车削刀片	工件材料 Workpiece Material													
	P 钢		M 不锈钢		K 铸铁		N 有色金属		S 耐热合金、钛合金					
	H 泊硬钢		Good working conditions 良好工况											
	尺寸 Dimensions (mm)					CVD涂层			PVD涂层		金陶	Cermet		
	L	ØI.C	T	Ød	r	TC3015	TC3125							
	TNMG160404-TC	16.5	9.525	4.76	3.81	0.4	●	▲						
	TNMG160408-TC	16.5	9.525	4.76	3.81	0.8	●	▲						
B 铣削刀片	TNMG160412-TC	16.5	9.525	4.76	3.81	1.2	●	▲						
C 孔加工刀片	TNMG160404-GH	16.5	9.525	4.76	3.81	0.4	●	▲						
	TNMG160408-GH	16.5	9.525	4.76	3.81	0.8	●	▲						
半精加工-粗加工 Semi-finishing to Roughing	TNMG160412-GH	16.5	9.525	4.76	3.81	1.2	●	▲						
平板 Flat	TNMA160404	16.5	9.525	4.76	3.81	0.4	●	▲						
	TNMA160408	16.5	9.525	4.76	3.81	0.8	●	▲						
半精加工 Semi-finishing	TNMA160412	16.5	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 Make-to-order

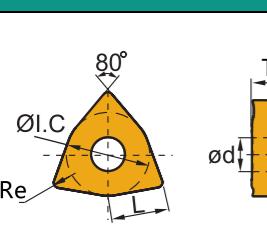
Turning Inserts - Negative

WNMG / WNMA (80° Negative)

车削刀片 - 负角型

WNMG/WNMA (80°负角型)

铸铁车削 General Turning Inserts for Cast Iron



Workpiece Material:

P	钢	√	○	○						√	×	×	×	√
M	不锈钢									×	×			
K	铸铁			√	√	√	√	○	○	×	×	×	√	√
N	有色金属													
S	耐热合金、钛合金													
H	淬硬钢													

尺寸 Dimensions (mm):

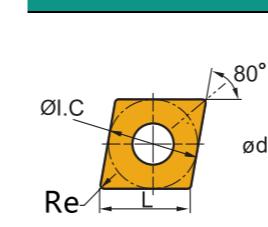
L	ØI.C	T	Ød	r	TC3015	TC3125
8.7	12.7	4.76	5.16	0.4	●	▲
8.7	12.7	4.76	5.16	0.8	●	▲
8.7	12.7	4.76	5.16	1.2	●	▲

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

Turning Inserts - Positive

CCGX (80° Positive)

铝合金车削 General Turning Inserts for Aluminum



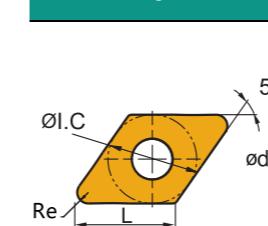
Workpiece Material:

P	钢									○				
M	不锈钢													
K	铸铁			√	√	√	√	√	○	○	○	○	×	×
N	有色金属	○	○											
S	耐热合金、钛合金													
H	淬硬钢													

尺寸 Dimensions (mm):

L	ØI.C	T	Ød	r	TC710	TC705
6.4	6.35	2.38	2.8	0.2	▲	●
6.4	6.35	2.38	2.8	0.4	▲	●
9.7	9.525	3.97	4.4	0.2	▲	●
9.7	9.525	3.97	4.4	0.4	▲	●
9.7	9.525	3.97	4.4	0.8	▲	●
12.9	12.7	4.76	5.56	0.4	▲	●
12.9	12.7	4.76	5.56	0.8	▲	●

DCGX (55° Positive)



Workpiece Material:

P	钢									○				
M	不锈钢							√	√	√	√	√		
K	铸铁													
N	有色金属	○	○											
S	耐热合金、钛合金													
H	淬硬钢													

尺寸 Dimensions (mm):

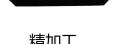
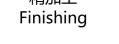
L	ØI.C	T	Ød	r	TC710	TC705
7.8	6.35	2.38	2.8	0.1	▲	●
7.8	6.35	2.38	2.8	0.2	▲	●
7.8	6.35	2.38	2.8	0.4	▲	●
11.6	9.525	3.97	4.4	0.4	▲	●
11.6	9.525	3.97	4.4	0.8	▲	●

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

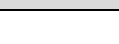
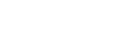
Turning Inserts - Positive
SCGX (90° Postive)

车削刀片 - 正角型
SCGX (80° 正角型)

铝合金车削 General Turning Inserts for Aluminum

		尺寸 Dimensions (mm)						无涂层						PVD涂层						金陶
产品 Inserts Shape	型号 Type	L	ØI.C	T	Φd	r	TC710	TC705												Cermet
	SCGX09T302K - AK	9.53	9.525	3.97	4.4	0.2	▲	●												
	SCGX09T304K - AK	9.53	9.525	3.97	4.4	0.4	▲	●												
	SCGX09T308K - AK	9.53	9.525	3.97	4.4	0.8	▲	●												
	SCGX120404K - AK	12.7	12.7	4.76	5.56	0.4	▲	●												
	SCGX120408K - AK	12.7	12.7	4.76	5.56	0.8	▲	●												

TCGX (60° Positive)

		尺寸 Dimensions (mm)						无涂层						PVD涂层						金陶
产品 Inserts Shape	型号 Type	L	ØI.C	T	Φd	r	TC710	TC705												Cermet
	TCGX090202K - AK	9.6	5.56	2.38	2.5	0.2	▲	●												
	TCGX090204K - AK	9.6	5.56	2.38	2.5	0.4	▲	●												
	TCGX110202K - AK	11	6.35	2.38	2.8	0.2	▲	●												
	TCGX110204K - AK	11	6.35	2.38	2.8	0.4	▲	●												
	TCGX110208K - AK	11	6.35	2.38	2.8	0.8	▲	●												
	TCGX16T302K - AK	16.5	9.525	3.97	4.4	0.2	▲	●												
	TCGX16T304K - AK	16.5	9.525	3.97	4.4	0.4	▲	●												
	TCGX16T308K - AK	16.5	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 Make-to-order

Turning Inserts - Positive
VCGX (35° Positive)

		尺寸 Dimensions (mm)						无涂层						PVD涂层						金陶
产品 Inserts Shape	型号 Type	L	ØI.C	T	Φd	r	TC710	TC705												Cermet
	VCGX110301K - AK	11	6.35	3.18	2.8	0.1	▲	●												
	VCGX110302K - AK	11	6.35	3.18	2.8	0.2	▲	●												
	VCGX110304K - AK	11	6.35	3.18	2.8	0.4	▲	●												
	VCGX110308K - AK	11	6.35	3.18	2.8	0.8	▲	●												
	VCGX160402K - AK	16.6	9.525	4.76	4.4	0.2	▲	●												
	VCGX160404K - AK	16.6	9.525	4.76	4.4	0.4	▲	●												
	VCGX160408K - AK	16.6	9.525	4.76	4.4	0.8	▲	●												
	VCGX160412K - AK	16.6	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 Make-to-order



TURNING INSERTS FOR HARDENED STEEL

淬硬钢车削

Turning Inserts - Negative
CNMG (80° Negative)

车削刀片 - 负角型
CNMG (80° 负角型)

淬硬钢车削 Inserts for Processing Hardened Steel

工件材料 Workpiece Material	√ 良好工况 Good working conditions ◇ 一般工况 General working conditions × 不稳定工况 Unstable working conditions											
	P	钢										
	M	不锈钢						√ √ √ √			◇ ◇ ◇ ◇	
	K	铸铁										
	N	有色金属										
	S	耐热合金、钛合金										
产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)					PVD涂层					
		L	ØI.C	T	Ød	r	TC6010	TC6020	TC6030	TC6040	TC6050	TC6060
半精加工 Semi-finishing	CNMG120404-TF	12.9	12.7	4.76	5.16	0.4	▲					
	CNMG120408-TF	12.9	12.7	4.76	5.16	0.8	▲					
	CNMG120412-TF	12.9	12.7	4.76	5.16	1.2	▲					
	CNMG120404-SM	12.9	12.7	4.76	5.16	0.4	▲					
	CNMG120408-SM	12.9	12.7	4.76	5.16	0.8	▲					
	CNMG120412-SM	12.9	12.7	4.76	5.16	1.2	▲					
精加工 Finishing												

DNMG (55° Negative)

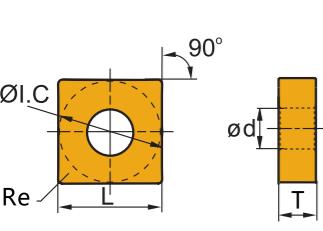
DNMG (55° 负角型)

工件材料 Workpiece Material	√ 良好工况 Good working conditions ◇ 一般工况 General working conditions × 不稳定工况 Unstable working conditions											
	P	钢										
	M	不锈钢						√ √ √ √			◇ ◇ ◇ ◇	
	K	铸铁										
	N	有色金属										
	S	耐热合金、钛合金										
产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)					PVD涂层					
		L	ØI.C	T	Ød	r	TC6010	TC6020	TC6030	TC6040	TC6050	TC6060
半精加工 Semi-finishing	DNMG150404-TF	15.5	12.7	4.76	5.16	0.4	▲					
	DNMG150408-TF	15.5	12.7	4.76	5.16	0.8	▲					
	DNMG150412-TF	15.5	12.7	4.76	5.16	1.2	▲					
	DNMG150404-SM	15.5	12.7	4.76	5.16	0.4	▲					
	DNMG150408-SM	15.5	12.7	4.76	5.16	0.8	▲					
	DNMG150412-SM	15.5	12.7	4.76	5.16	1.2	▲					
精加工 Finishing												

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

Turning Inserts - Negative
SNMG (90° Negative)

车削刀片 - 负角型
SNMG (90° 负角型)



Workpiece Material: P (钢), M (不锈钢), K (铸铁), N (有色金属), S (耐热合金、钛合金), H (淬硬钢).

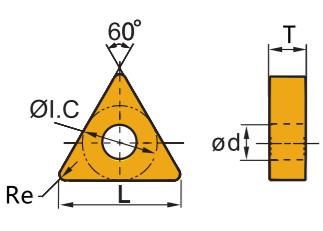
Dimensions (mm): L, ØI.C, T, Ød, Re.

PVD涂层: TC6010, TC6020.

产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)					PVD涂层					
		L	ØI.C	T	Ød	Re	TC6010					TC6020
	SNMG120408-TF	12.7	12.7	4.76	5.16	0.8	▲					•
	SNMG120412-TF	12.7	12.7	4.76	5.16	1.2	▲					•
	SNMG120404-SM	12.7	12.7	4.76	5.16	0.4	▲					•
	SNMG120408-SM	12.7	12.7	4.76	5.16	0.8	▲					•
	SNMG120412-SM	12.7	12.7	4.76	5.16	1.2	▲					•

TNMG (60° Negative)

TNMG (60° 负角型)



Workpiece Material: P (钢), M (不锈钢), K (铸铁), N (有色金属), S (耐热合金、钛合金), H (淬硬钢).

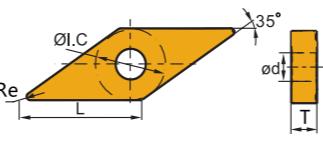
Dimensions (mm): L, ØI.C, T, Ød, r.

PVD涂层: TC6010, TC6020.

产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)					PVD涂层					
		L	ØI.C	T	Ød	r	TC6010					TC6020
	TNMG160404-TF	16.5	9.525	4.76	3.81	0.4	▲					•
	TNMG160408-TF	16.5	9.525	4.76	3.81	0.8	▲					•
	TNMG160412-TF	16.5	9.525	4.76	3.81	1.2	▲					•
	TNMG160404-SM	16.5	9.525	4.76	3.81	0.4	▲					•
	TNMG160408-SM	16.5	9.525	4.76	3.81	0.8	▲					•
	TNMG160412-SM	16.5	9.525	4.76	3.81	1.2	▲					•

Turning Inserts - Negative
VNMG (35° Negative)

车削刀片 - 负角型
VNMG (35° 负角型)



Workpiece Material: P (钢), M (不锈钢), K (铸铁), N (有色金属), S (耐热合金、钛合金), H (淬硬钢).

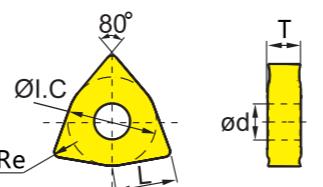
Dimensions (mm): L, ØI.C, T, Ød, Re.

PVD涂层: TC6010, TC6020.

产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)					PVD涂层					
		L	ØI.C	T	Ød	Re	TC6010					TC6020
	VNMG160408-TF	16.6	9.525	4.76	3.81	0.8	▲					•
	VNMG160412-TF	16.6	9.525	4.76	3.81	1.2	▲					•
	VNMG160404-SM	16.6	9.525	4.76	3.81	0.4	▲					•
	VNMG160408-SM	16.6	9.525	4.76	3.81	0.8	▲					•
	VNMG160412-SM	16.6	9.525	4.76	3.81	1.2	▲					•

WNMG (80° Negative)

WNMG (80° 负角型)



Workpiece Material: P (钢), M (不锈钢), K (铸铁), N (有色金属), S (耐热合金、钛合金), H (淬硬钢).

Dimensions (mm): L, ØI.C, T, Ød, r.

PVD涂层: TC6010, TC6020.

产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)					PVD涂层					
		L	ØI.C	T	Ød	r	TC6010					TC6020
	WNMG080404-TF	8.7	12.7	4.76	5.16	0.4	▲					•
	WNMG080408-TF	8.7	12.7	4.76	5.16	0.8	▲					•
	WNMG080412-TF	8.7	12.7	4.76	5.16	1.2	▲					•
	WNMG080404-SM	8.7	12.7	4.76	5.16	0.4	▲					•
	WNMG080408-SM	8.7	12.7	4.76	5.16	0.8	▲					•
	WNMG080412-SM	8.7	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 Make-to-order

Turning Inserts - Positive
CCMT (80° Positive)

车削刀片 - 正角型
CCMT (80° 正角型)

Turning Inserts - Positive
DCMT (55° Positive)

车削刀片 - 正角型
DCMT(55°正角型)

淬硬钢车削 Turning Inserts for Hardened Steel

		✓ 良好工况 Good working conditions ○ 一般工况 General working conditions ✗ 不稳定工况 Unstable working conditions										
		P	钢	M	不锈钢	K	铸铁	N	有色金属	S	耐热合金、钛合金	H
A	车削刀片	ØI.C	80°	7°	Ød	T	Re	L				
B	铣削刀片											
C	孔加工刀片											
		尺寸 Dimensions (mm)					PVD涂层					
		L	ØI.C	T	Ød	r	TCG010					TCG020
A square carbide insert with a central hole and a semi-groove.	CCMT060204-MF	6.4	6.35	2.38	2.8	0.4	▲					•
		6.4	9.525	3.97	4.4	0.2	▲					•
		9.7	9.525	3.97	4.4	0.4	▲					•
		9.7	9.525	3.97	4.4	0.8	▲					•
		12.9	12.7	4.76	5.56	0.4	▲					•
		12.9	12.7	4.76	5.56	0.8	▲					•
A square carbide insert with a central hole and a semi-groove.	CCMT120404-MF	6.4	6.35	2.38	2.8	0.4	▲					•
		6.4	9.525	3.97	4.4	0.2	▲					•
		9.7	9.525	3.97	4.4	0.4	▲					•
		9.7	9.525	3.97	4.4	0.8	▲					•
		12.9	12.7	4.76	5.56	0.4	▲					•
		12.9	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 Make-to-order												

淬硬钢车削 Turning Inserts for Hardened Steel

		✓ 良好工况 Good working conditions ○ 一般工况 General working conditions ✗ 不稳定工况 Unstable working conditions										
		P	钢	M	不锈钢	K	铸铁	N	有色金属	S	耐热合金、钛合金	H
A	车削刀片	ØI.C	55°	7°	Ød	T	Re	L				
B	铣削刀片											
C	孔加工刀片											
		尺寸 Dimensions (mm)					PVD涂层					
		L	ØI.C	T	Ød	r	TCG010					TCG020
A square carbide insert with a central hole and a semi-groove.	DCMT070204-MF	7.8	6.35	2.38	2.8	0.4	▲					•
		7.8	6.35	2.38	2.8	0.8	▲					•
		11.6	9.525	3.97	4.4	0.4	▲					•
		11.6	9.525	3.97	4.4	0.8	▲					•
		7.8	6.35	2.38	2.8	0.4	▲					•
		7.8	6.35	2.38	2.8	0.8	▲					•
A semi-finishing carbide insert with a central hole and a semi-groove.	DCMT11T304-MF	11.6	9.525	3.97	4.4	0.4	▲					•
		11.6	9.525	3.97	4.4	0.8	▲					•
		11.6	9.525	3.97	4.4	0.4	▲					•
		11.6	9.525	3.97	4.4	0.8	▲					•
		7.8	6.35	2.38	2.8	0.4	▲					•
		7.8	6.35	2.38	2.8	0.8	▲					•
▲为主推荐牌号 Recommended grade (Always stock available) •按订单生产可选牌号 Make-to-order												

SCMT (90° Positive)

		✓ 良好工况 Good working conditions ○ 一般工况 General working conditions ✗ 不稳定工况 Unstable working conditions										
		P	钢	M	不锈钢	K	铸铁	N	有色金属	S	耐热合金、钛合金	H
A	车削刀片	ØI.C	90°	7°	Ød	T	Re	L				
B	铣削刀片											
C	孔加工刀片											
		尺寸 Dimensions (mm)					PVD涂层					
		L	ØI.C	T	Ød	r	TCG010					TCG020
A semi-finishing carbide insert with a central hole and a semi-groove.	SCMT09T304-MF	9.53	9.525	3.97	2.8	0.4	▲					•
		9.53	9.525	3.97	2.8	0.8	▲					•
		12.7	12.7	4.76	5.56	0.4	▲					•
		12.7	12.7	4.76	5.56	0.8	▲					•
		9.53	9.525	3.97	2.8	0.4	▲					•
		9.53	9.525	3.97	2.8	0.8	▲					•
A semi-finishing carbide insert with a central hole and a semi-groove.	SCMT120404-MF	12.7	12.7	4.76	5.56	0.4	▲					•
		12.7	12.7	4.76	5.56	0.8	▲					•
		12.7	12.7	4.76	5.56	0.4	▲					•
		12.7	12.7	4.76	5.56	0.8	▲					•
		12.7	12.7	4.76	5.56	0.4	▲					•
		12.7	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												

Turning Inserts - Positive
TCMT (60° Positive)

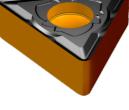
车削刀片 - 正角型
TCMT (60°正角型)

车削刀片

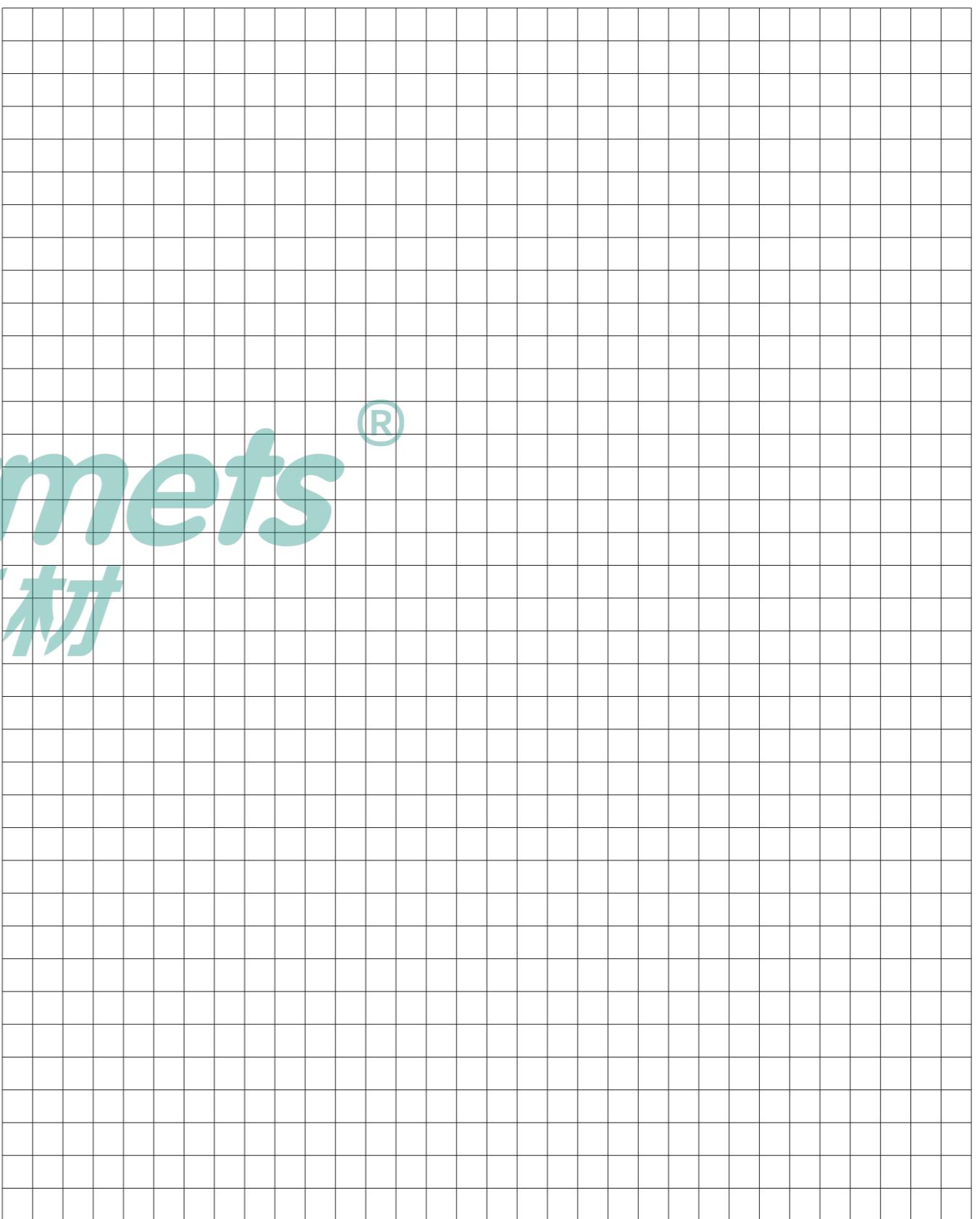
TURNING TOOLS

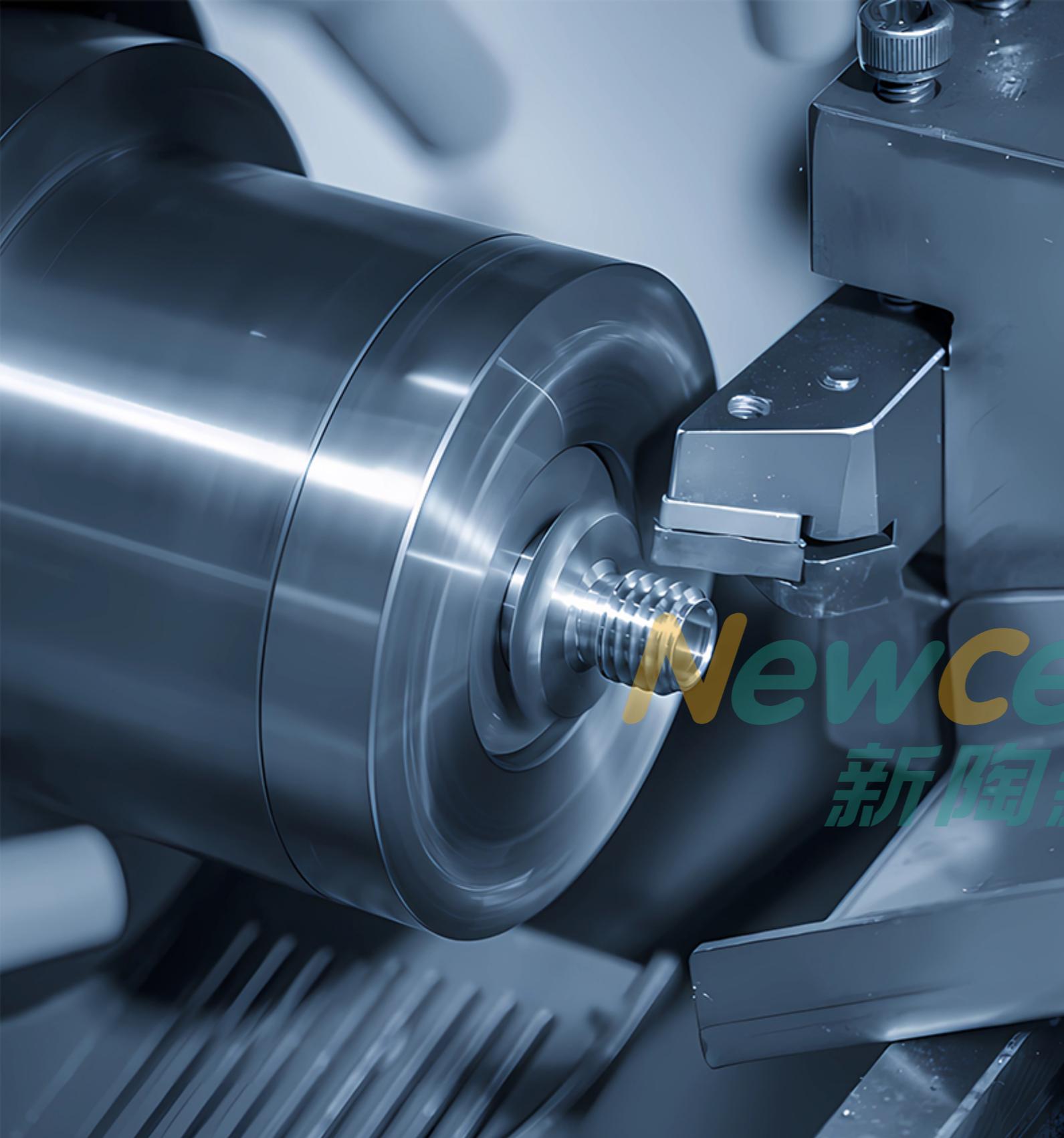
淬硬钢车削 Turning Inserts for Hardened Steel

A 车削刀片	工件材料 Workpiece Material	√ 良好工况 Good working conditions		○ 一般工况 General working conditions		× 不稳定工况 Unstable working conditions							
		P	钢					○		○	×	×	×
		M	不锈钢			√	√	√	√	○	○	○	×
		K	铸造								×		×
		N	有色金属										
		S	耐热合金、钛合金										
		H	淬硬钢	√	○	√			○		○		

B 铣削刀片	产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)					PVD涂层							
			L	ØI.C	T	Φd	r	TC6010	TC6011	TC6020	TC6021	TC6022	TC6023	TC6024	TC6025
 C 半精加工 Semi-finishing	TCMT090204-MF	9.6	5.56	2.38	2.5	0.4	▲								•
	TCMT090208-MF	9.6	6.35	2.38	2.8	0.2	▲								•
	TCMT110204-MF	11	6.35	2.38	2.8	0.4	▲								•
	TCMT110208-MF	11	6.35	2.38	2.8	0.8	▲								•
	TCMT16T304-MF	16.5	9.525	3.97	4.4	0.4	▲								•
	TCMT16T308-MF	16.5	9.525	3.97	4.4	0.8	▲								•
 C 精加工 Finishing	TCMT090204-SM	9.6	5.56	2.38	2.5	0.4	▲								•
	TCMT090208-SM	9.6	6.35	2.38	2.8	0.2	▲								•
	TCMT110204-SM	11	6.35	2.38	2.8	0.4	▲								•
	TCMT110208-SM	11	6.35	2.38	2.8	0.8	▲								•
	TCMT16T304-SM	16.5	9.525	3.97	4.4	0.4	▲								•
	TCMT16T308-SM	16.5	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 Make-to-order





SMALL PARTS PROCESSING

小零件加工

Turning Inserts - Positive
CCGT (80° Positive)

车削刀片 - 正角型
CCGT (80° 正角型)

小零件加工 Small Parts Processing

工件材料 Workpiece Material	√ 良好工况 Good working conditions ◦ 一般工况 General working conditions × 不稳定工况 Unstable working conditions																
	P	钢						√			◦						
	M	不锈钢						√			√						
	K	铸铁															
	N	有色金属															
	S	耐热合金、钛合金															
产品形状 Inserts Shape	精加工 Finishing	尺寸 Dimensions (mm)					PVD涂层										
		L	ØI.C	T	Ød	r											
		CCGT030101L/R	3.6	3.5	1.4	1.9	0.1										
		CCGT030102L/R	3.6	3.5	1.4	1.9	0.2										
		CCGT030104L/R	3.6	3.5	1.4	1.9	0.4										
		CCGT040101L/R	4.4	4.3	1.8	2.3	0.1										
	精加工 Finishing	CCGT040102L/R	4.4	4.3	1.8	2.3	0.2										
		CCGT040104L/R	4.4	4.3	1.8	2.3	0.4										
		CCGT060201L/R-B	6.4	6.35	2.38	2.8	0.1										
		CCGT060202L/R-B	6.4	6.35	2.38	2.8	0.2										
		CCGT060204L/R-B	6.4	6.35	2.38	2.8	0.4										
		CCGT09T301L/R-B	9.7	9.525	3.97	4.4	0.1										

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

A 车削刀片

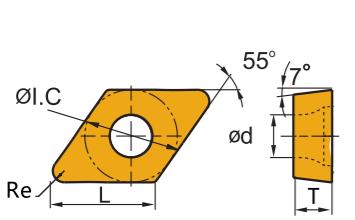
B 铣削刀片

C 孔加工刀片

Turning Inserts - Positive
DCGT (55° Positive)

车削刀片 - 正角型
DCGT (55° 正角型)

小零件加工 Small Parts Processing



Workpiece Material: P (钢), M (不锈钢), K (铸铁), N (有色金属), S (耐热合金、钛合金), H (淬硬钢).

Dimensions (mm): L, ØI.C, T, Ød, r.

PVD涂层: TC1205, TC1225, TX920.

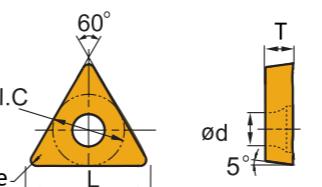
金陶 Cermet: TX920.

产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)					PVD涂层					金陶 Cermet
		L	ØI.C	T	Ød	r	TC1205	TC1225	TX920	TC1205	TC1225		TX920
精加工 Finishing	DCGT070201L/R	7.8	6.35	2.38	2.8	0.1	▲	▲	▲	▲	▲	
	DCGT070202L/R	7.8	6.35	2.38	2.8	0.2	▲	▲	▲	▲	▲	
	DCGT070204L/R	7.8	6.35	2.38	2.8	0.4	▲	▲	▲	▲	▲	
	DCGT11T301L/R	11.6	9.525	3.97	4.4	0.1	▲	▲	▲	▲	▲	
	DCGT11T302L/R	11.6	9.525	3.97	4.4	0.2	▲	▲	▲	▲	▲	
	DCGT11T304L/R	11.6	9.525	3.97	4.4	0.4	▲	▲	▲	▲	▲	
精加工 Finishing	DCGT070201L/R-B	7.8	6.35	2.38	2.8	0.1	▲	▲	▲	▲	▲	
	DCGT070202L/R-B	7.8	6.35	2.38	2.8	0.2	▲	▲	▲	▲	▲	
	DCGT070204L/R-B	7.8	6.35	2.38	2.8	0.4	▲	▲	▲	▲	▲	
	DCGT11T301L/R-B	11.6	9.525	3.97	4.4	0.1	▲	▲	▲	▲	▲	
	DCGT11T302L/R-B	11.6	9.525	3.97	4.4	0.2	▲	▲	▲	▲	▲	
	DCGT11T304L/R-B	11.6	9.525	3.97	4.4	0.4	▲	▲	▲	▲	▲	

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

Turning Inserts - Positive
TBGT (60° Positive) VBGT (35° Positive) TBGT (60° 正角型) VBGT (35° 正角型)

小零件加工 Small Parts Processing



Workpiece Material: P (钢), M (不锈钢), K (铸铁), N (有色金属), S (耐热合金、钛合金), H (淬硬钢).

Dimensions (mm): L, ØI.C, T, Ød, r.

PVD涂层: TC1205, TC1225, TX920.

金陶 Cermet: TX920.

产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)					PVD涂层					金陶 Cermet
		L	ØI.C	T	Ød	r	TC1205	TC1225	TX920	TC1205	TC1225		TX920
精加工 Finishing	TBGT060101L/R	6.4	3.97	1.59	2.3	0.1	▲	▲	▲	▲	▲	
	TBGT060102L/R	6.4	3.97	1.59	2.3	0.2	▲	▲	▲	▲	▲	
	TBGT060104L/R	6.4	3.97	1.59	2.3	0.4	▲	▲	▲	▲	▲	
	精加工 Finishing	DCGT070201L/R	7.8	6.35	2.38	2.8	0.1	▲	▲	▲	▲	▲
		DCGT070202L/R	7.8	6.35	2.38	2.8	0.2	▲	▲	▲	▲	▲
		DCGT070204L/R	7.8	6.35	2.38	2.8	0.4	▲	▲	▲	▲	▲
DCGT11T301L/R		11.6	9.525	3.97	4.4	0.1	▲	▲	▲	▲	▲	
DCGT11T302L/R		11.6	9.525	3.97	4.4	0.2	▲	▲	▲	▲	▲	
DCGT11T304L/R		11.6	9.525	3.97	4.4	0.4	▲	▲	▲	▲	▲	
精加工 Finishing	VBGT110301L/R-H	11	6.35	3.18	2.8	0.1	▲	▲	▲	▲	▲	
	VBGT110302L/R-H	11	6.35	3.18	2.8	0.2	▲	▲	▲	▲	▲	
	VBGT110304L/R-H	11	6.35	3.18	2.8	0.4	▲	▲	▲	▲	▲	
	VBGT110308L/R-H	11	6.35	3.18	2.8	0.8	▲	▲	▲	▲	▲	
	VBGT160402L/R-H	16.6	9.525	4.76	4.4	0.2	▲	▲	▲	▲	▲	
	VBGT160404L/R-H	16.6	9.525	4.76	4.4	0.4	▲	▲	▲	▲	▲	
	VBGT160408L/R-H	16.6	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 Make-to-order

Turning Inserts - Positive
TPGH (60° Positive)

车削刀片 - 正角型
TPGH (60°正角型)

Turning Inserts - Positive
WBGT (80° Positive)

车削刀片 - 正角型
WBGT (80°正角型)

小零件加工 Small Parts Processing

		工件材料 Workpiece Material										
		Good working conditions General working conditions Unstable working conditions										
A 车削刀片	B 铸削刀片	C 孔加工刀片	P 钢	M 不锈钢	K 铸铁	N 有色金属	S 耐热合金、钛合金	H 淬硬钢	PVD涂层	金陶 Cermet		
			√	○	○	×	×	×	√	√		
产品 Inserts Shape		尺寸 Dimensions (mm)		PVD涂层						金陶 Cermet		
		L	ØI.C	T	Φd	r						
							TC1205				TX920	
精加工 Finishing	TPGH080201L/R	8.2	4.76	2.38	2.3	0.1		▲		▲		
	TPGH080202L/R	8.2	4.76	2.38	2.3	0.2		▲		▲		
	TPGH080204L/R	8.2	4.76	2.38	2.3	0.4		▲		▲		
	TPGH090201L/R	9.6	5.56	2.38	3.2	0.1		▲		▲		
	TPGH090202L/R	9.6	5.56	2.38	3.2	0.2		▲		▲		
	TPGH090204L/R	9.6	5.56	2.38	3.2	0.4		▲		▲		
	TPGH110302L/R	11	6.35	3.18	3.3	0.2		▲		▲		
	TPGH110304L/R	11	6.35	3.18	3.3	0.4		▲		▲		
	TPGH110308L/R	11	6.35	3.18	3.3	0.8		▲		▲		
	TPGH160302L/R	16.5	9.525	3.18	4.7	0.2		▲		▲		
	TPGH160304L/R	16.5	9.525	3.18	4.7	0.4		▲		▲		
	TPGH160308L/R	16.5	9.525	3.18	4.7	0.8		▲		▲		

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

小零件加工 Small Parts Processing

		工件材料 Workpiece Material										
		Good working conditions General working conditions Unstable working conditions										
A 车削刀片	B 铸削刀片	C 孔加工刀片	P 钢	M 不锈钢	K 铸铁	N 有色金属	S 耐热合金、钛合金	H 淬硬钢	PVD涂层	金陶 Cermet		
			√	○	○	×	×	×	√	√		
产品 Inserts Shape		尺寸 Dimensions (mm)		PVD涂层						金陶 Cermet		
		L	ØI.C	T	Φd	r						
							TC1205				TX920	
精加工 Finishing	WBGT020101L-2R	2.7	3.97	1.59	2.3	0.1			▲		▲	
	WBGT020102L-2R	2.7	3.97	1.59	2.3	0.2			▲		▲	
	WBGT020104L-2R	2.7	3.97	1.59	2.3	0.4			▲		▲	
	WBGT030201L-2R	3.3	4.76	2.38	2.3	0.1			▲		▲	
	WBGT030202L-2R	3.3	4.76	2.38	2.3	0.2			▲		▲	
	WBGT030204L-2R	3.3	4.76	2.38	2.3	0.4			▲		▲	
	WP GT040202L/R-S	4.3	6.35	2.38	2.8	0.2			▲		▲	
	WP GT040204L/R-S	4.3	6.35	2.38	2.8	0.4			▲		▲	
	WP GT060304L/R-S	6.5	9.525	3.18	4.4	0.4			▲		▲	
	WP GT060308L/R-S	6.5	9.525	3.18	4.4	0.8			▲		▲	

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

铣削刀片 Milling Inserts

- 铣削刀片型号命名规则 Milling Insert Naming Rules 059
铣削刀片牌号介绍 Milling Inserts Grade Informations 061
铣削产品品牌号一览表 Milling Inserts Recommend Grade Table 063
铣削刀片 Milling Inserts 064



MILLING INSERTS

铣削刀片



铣削刀片型号命名规则

Milling Insert Naming Rules

形状代号 Shape

A P M T II 35 PD E R — GM

A 车削刀片	B 铣削刀片	C 孔加工刀片
A	B	C
85°	82°	80°
D	E	H
55°	75°	108°
K	L	M
55°	90°	86°
O	P	R
135°	108°	360°
S	T	T
90°	60°	75°
V	W	Z
35°	80°	其它

断屑槽及夹固形式代号 Chip Breaker and Hole

A P M T II 35 PD E R — GM

代号 Symbol	有无孔 Center Hole	有无断屑槽 Chip Breaker	刀片剖面 Insert Profile	代号 Symbol	有无孔 Center Hole	有无断屑槽 Chip Breaker	刀片剖面 Insert Profile
B	有(Y)	无(N)	>65°	N	无(N)	无(N)	
H	有(Y)	单面(S)	>65°	R	无(N)	单面(S)	
C	有(Y)	无(N)	>65°	F	无(N)	双面(D)	
J	有(Y)	双面(D)	>65°	A	有(Y)	无(N)	
W	有(Y)	无(N)	≤65°	M	有(Y)	单面(S)	
T	有(Y)	单面(S)	≤65°	G	有(Y)	双面(D)	
Q	有(Y)	无(N)	≤65°	X			
U	有(Y)	双面(D)	≤65°				

后角代号 Clearance Angle

A P M T II 35 PD E R — GM

A	B
3°	5°
C	D
7°	15°
E	F
20°	25°
G	N
30°	0°
P	O
11°	其它后角 Others

精度代号 Tolerance

A P M T II 35 PD E R — GM

代号 Symbol	刀尖高度m 公差(mm) m(mm)	内接圆ΦI.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							
				内切圆 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	6.35	±0.08	±0.08	±0.08	±0.11	±0.16	...	
				9.525	±0.08	±0.08	±0.08	±0.11	±0.16	...	
				12.7	±0.13	±0.13	±0.13	±0.15	...	...
A	±0.005	±0.025	±0.025	15.875	±0.15	±0.15	±0.15	±0.18	...	...
F	±0.005	±0.013	±0.025	19.05	±0.15	±0.15	±0.15	±0.18	...	...
C	±0.013	±0.025	±0.025	25.4	...	±0.18	...	...	...	...
H	±0.013	±0.013	±0.013	●内接圆ΦI.C公差(mm) ●Tolerance of Inscribed Circle							
E	±0.025	±0.025	±0.025	Inscribed Circle	Regular Triangle	Square	80° Rhombus	55° Rhombus	35° Rhombus	Round	
G	±0.025	±0.025	±0.025								
J	±0.005	±0.05-±0.13	±0.025	6.35	±0.05	±0.05	±0.05	±0.05	±0.05	...	
K	±0.013	±0.05-±0.13	±0.025	9.525	±0.05	±0.05	±0.05	±0.05	±0.05	±0.05	
L	±0.025	±0.05-±0.13	±0.025	12.7	±0.08	±0.08	±0.08	±0.08	...	...
M	±0.08-±0.18	±0.05-±0.13	±0.13	15.875	±0.1	±0.1	±0.10	±0.10	...	...
N	±0.08-±0.18	±0.05-±0.13	±0.025	19.05	±0.1	±0.1	±0.10	±0.10	...	...
U	±0.13-±0.38	±0.05-±0.13	±0.13	25.4	...	...	±0.13	...	...	...	±0.13

铣削刀片型号命名规则

Milling Insert Naming Rules

切削刃长度代号 Cutting Edge Length

A P M T II 35 PD E R — GM

Inscribed Circle 直径 (mm)	刀片外形 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			16	16				
19.05	19		19	19	33			
20			20					
25	25	25	25					
25.4				25	25			
31.75				31				
32				32				

刀片厚度代号 Thickness

A P M T II 35 PD E R — GM

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

厚度指刀片底面与切削刃最高部分之间的高度
The Height Between Insert Bottom And Nose

修光刃代号 Wiper Code

A P M T II 35 PD E R — GM

Kr°	α n f
A 45°	3°
D 60°	5°
E 75°	7°
F 85°	15°
P 90°	20°
Z 其它	25°
G 30°	30°
N 0°	0°
P 11°	11°
Z 其它	其它

切削刃倒棱代号 Cutting Edge Chamfering

A P M T II 3

铣削刀片牌号介绍

Grade Informations

产品牌号 Grade	ISO	涂层类型 Types of Coating	涂层组成 Coating Composition	特点及应用 Features And Applications
TC4110	P15~P35	CVD 黄色 Yellow	MT-TiCN+Al ₂ O ₃ +TiN	<p>1.采用高强度和高韧性的硬质合金基体，结合薄的氧化铝CVD涂层，具有优异耐磨性和抗冲击性能。 2.适用于钢件材料的半精铣削加工。</p> <p>1. Using high strength and toughness cemented carbide substrate, combined with thin Al₂O₃ CVD coating, it has excellent performance of wear resistance and impact resistance. 2. It is suitable for semi-finish processing of steel milling.</p>
TC4125	P15~P35 M10~M30	CVD 黑色 Black	MT-TiCN+Al ₂ O ₃	<p>1.采用中钴成分的高韧性梯度合金基体，搭配细晶柱状TiCN和超细的薄的Al₂O₃涂层，具有优异的抗崩缺能力和高温强度。 2.适用于合金钢、碳素钢、不锈钢材料的半精铣和粗铣加工。</p> <p>1. Using high toughness gradient cemented carbide substrate with medium Cobalt content, matched with fine crystalline columnar TiCN and ultra-fine Al₂O₃ coating, it has excellent performance of chipping resistance and high temperature resistance. 2. It is suitable for semi-finishing and roughing processing of alloy steel, carbon steel and stainless steel milling.</p>
TC3225	K15~K35	CVD 黑色 Black	MT-TiCN+Al ₂ O ₃	<p>1.中等晶粒的强韧性基体，结合MT-TiCN和厚的Al₂O₃涂层工艺，具备良好的刃口强度和优异的耐磨性能。 2.适用于铸铁的粗铣及半精铣削加工。</p> <p>1. Using strong toughness substrate of medium crystal grain, combined with MT-TiCN and thick Al₂O₃ coating process, it has excellent edge strength and performance of wear resistance. 2. It is suitable for roughing and semi-finishing processing of cast iron milling.</p>
TC1225	P10~P25 M05~M25 S05~S25	PVD 灰黑色 Gray-black	TiAIN	<p>1.采用亚微晶粒的中钴基体，结合纳米结晶TiAIN涂层，具有良好的强韧性和通用性能。 2.适用于合金钢、不锈钢、高温合金等材料的半精、精铣加工。</p> <p>1. Using sub-micro crystalline substrate with medium Cobalt content, combined with nano-crystalline TiAIN coating, it has good strong toughness and general processing performance. 2. It is suitable for semi-finishing and finishing processing of alloy steel, stainless steel, high temperature alloy and other materials milling.</p>
TC1035	P15~P30 M15~M30 S15~S30	PVD 灰黑色 Gray-black	TiAIN	<p>1.较高耐磨性的细晶粒中钴基体，搭配通用性好的TiAIN涂层，具有良好的膜基结合力、耐磨性和抗氧化性能。 2.适用于合金钢、不锈钢、高温合金等材料的半精铣削加工，为钢件、不锈钢铣削首选牌号。</p> <p>1. The fine-grain medium cobalt substrat with high wear resistance is match with high universality of TiAIN coating, it has good film-based adhesion, wear resistance and oxidation resistance. 2. It is suitable for semi-finishing milling of alloy steel, stainless steel, superalloy and other materials, and is the preferred brand for steel and stainless steel milling.</p>

铣削刀片牌号介绍

Grade Informations

产品牌号 Grade	ISO	涂层类型 Types of Coating	涂层组成 Coating Composition	特点及应用 Features And Applications
TC6020	P20~P35 M20~M35	PVD 七彩色 Multiple-Color	AlTiCrSiN	<p>1.采用低钴含量的细晶粒硬质合金基体，结合优异性能的纳米结构PVD涂层，具有优异的耐磨性和耐高温性能。 2.适用于淬硬钢的半精和精铣削加工。</p> <p>1. Using fine-grained cemented carbide substrat with low cobalt content, combined with high excellent performance of PVD nano-coating, it has excellent wear resistance and high temperature resistance. 2. It is suitable for semi-finish and finish milling of hardened steel.</p>
TX910C	P10~P25 M15~M25 K10~K25	无涂层 Uncoated	\	<p>1.TiCN基金属陶瓷牌号，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，使之表现出优异的耐磨性、红硬性和抗月牙洼磨损性能。 2.适用于钢件、不锈钢、铸铁等材料的精、半精加工。</p> <p>1.TiCN-based cermet grade, fine dispersion hard phase particles, bonded phase reinforcement and annular phase structure control are combined to show excellent wear resistance, red hardness and crescent hole wear resistance. 2. It is suitable for finishing and semi-finishing of steel, stainless steel, cast iron etc.</p>
TX920C	P10~P25 M10~M25 K10~K25	无涂层 Uncoated	(R)	<p>1.TiCN基金属陶瓷牌号，具有均匀、晶粒细化组织，环形相结构，提高了材料的强度和耐磨性。 2.适用于钢件、不锈钢、铸铁材料的精铣、半精铣削加工。</p> <p>1. TiCN-based cermet grade, with uniform, grain refinement structure, annular phase structure, improve the strength and wear resistance of the material. 2. It is suitable for finishing milling and semi-finishing milling of steel, stainless steel and cast iron materials.</p>
TC705	N05~N20	无涂层 Uncoated	\	<p>1.低钴的亚微晶粒硬质合金材质，结合特殊的后处理工艺，具有优异的耐磨性和抗黏结性。 2.适用于有色金属的精铣加工。</p> <p>1.Low Co submicro grain cemented carbide grade, combined with a special post-treatment process, it has excellent wear resistance and adhesion resistance. 2. It is suitable for finishing milling processing of non-ferrous metals.</p>
TC710	N10-N30	无涂层 Uncoated	\	<p>1.低钴含量的细晶粒硬质合金材质，结合特殊的后处理工艺，具有优异的耐磨性和抗黏结性。 2.适用于有色金属的精铣、半精铣削加工。</p> <p>1. The fine grain carbide grade with low cobalt content, combined with a special post-treatment process, it has excellent wear resistance and adhesion resistance. 2. It is suitable for finishing milling and semi-finishing milling processing of non-ferrous metals.</p>

A
车削刀片

B
铣削刀片

C
孔加工刀片

A
车削刀片

B
铣削刀片

C
孔加工刀片

铣削产品品牌号一览表

Recommend Grade Table

工件材料 Workpiece materials	ISO代码 ISO Code	CVD	PVD	金属陶瓷 Cermet	硬质合金 Cemented carbide	超硬材料 Superhard materials
P A 车削刀片	P01					
	P10	TC4110		TC1225	TC1035	
	P20		TC4125			
	P30			TX910	TX920	
	P40					
M B 铣削刀片	M01					
	M10			TC1205	TC1225	
	M20	TC2035		TC1120	TC1025	
	M30		TC2135		TX910C	TX920C
	M40					
K C 孔加工刀片	K01					
	K10					
	K20					
	K30		TC3225			
	K40					
N D	N01					
	N10					
	N20					
	N30					
	N40					
S E	S01					
	S10		TC1205	TC1215	TC1225	
	S20					
	S30					
	S40					
H F	H01					
	H10					
	H20					
	H30		TC6020			

APKT/APMT/EPMT/EPNW

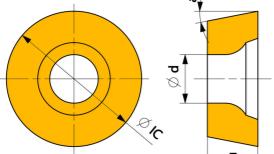
铣削刀片 Milling Tools												
√良好工况 Good working conditions ◇一般工况 General working conditions ×不稳定工况 Unstable working conditions												
工件材料 Workpiece Material	P	钢							○	○	×	×
	M	不锈钢	◇	×	✓	✓	✓	✓	○	○	×	✓
工件材料 Workpiece Material	K	铸铁										✓
	N	有色金属										
工件材料 Workpiece Material	S	耐热合金、钛合金										✓
	H	淬硬钢										
尺寸 Dimensions (mm)	产品 Inserts Shape	型号 Type	L	W	T	Φd	Re	TC2035	TC1225	TC1025	TC1205	TC1120
	APKT1003PDER		11.6	6.76	3.5	2.8	0.8	●	●	▲	●	▲
	APMT113508PDER-M		11.25	6.2	3.5	2.8	0.8	●	●	▲	●	▲
	APMT113512PDER-M2		11.25	6.2	3.5	2.8	1.2	●	●	▲	●	▲
	APMT113516PDER-H2		11.25	6.2	3.5	2.8	1.6	●	●	▲	●	▲
	APMT113504PDER-X		11.25	6.2	3.5	2.8	0.4	●	●	▲	●	▲
	APMT113508PDER-FM		11.25	6.2	3.5	2.8	0.8	●	●	▲	●	▲
	APMT160404PDER		17.8	9.3	4.76	4.4	0.4	●	●	▲	●	▲
	APMT160408PDER-M		17.8	9.3	4.76	4.4	0.8	●	●	▲	●	▲
	APMT160412PDER-M2		17.8	9.3	4.76	4.4	1.2	●	●	▲	●	▲
尺寸 Dimensions (mm)	产品 Inserts Shape	型号 Type	L	S	W	d	Re	TC2035	TC1225	TC1025	TC1205	TC1120
	APMT160416PDER-H2		17.8	9.3	4.76	4.4	1.6	●	●	▲	●	▲
	APMT160404PDER-X		17.8	9.3	4.76	4.4	0.4	●	●	▲	●	▲
	APMT160408PDER-FM		17.8	9.3	4.76	4.4	0.8	●	●	▲	●	▲
	√良好工况 Good working conditions ◇一般工况 General working conditions ×不稳定工况 Unstable working conditions											
	工件材料 Workpiece Material	P	钢						○	○	×	
		M	不锈钢	◇	×	✓	✓	✓	○	○	×	✓
	工件材料 Workpiece Material	K	铸铁									✓
		N	有色金属									
	工件材料 Workpiece Material	S	耐热合金、钛合金									✓
		H	淬硬钢									

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

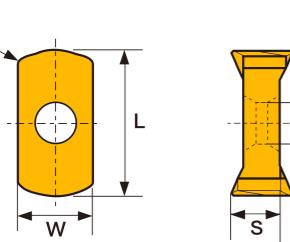
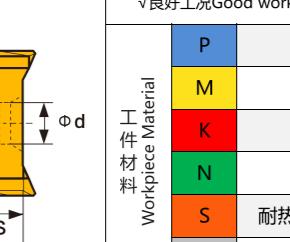
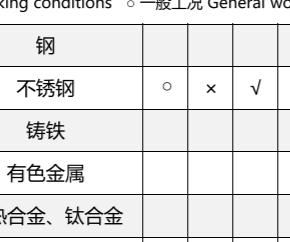
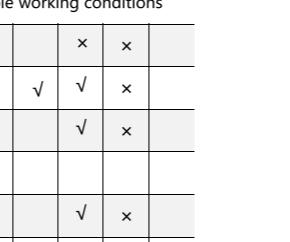
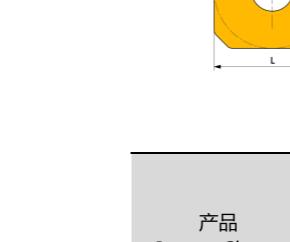
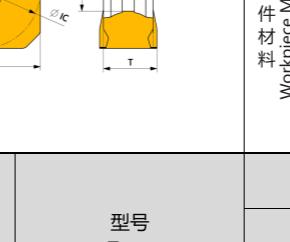
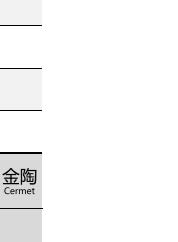
RCHT/RDHT/RDKW/RPMW/LNMU/LOGU/LPGT

Milling Inserts
铣削刀片

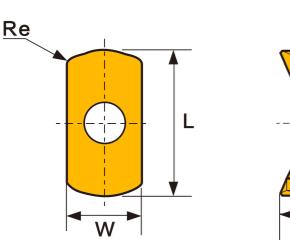
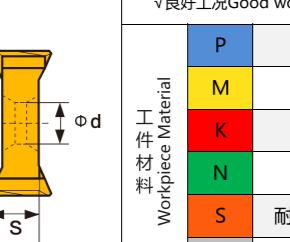
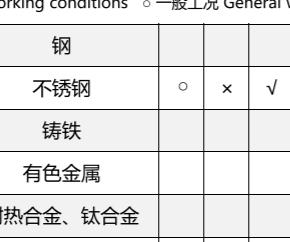
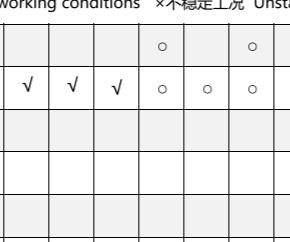
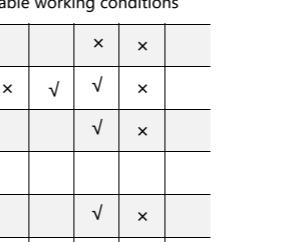
铣削刀片 Milling Tools



Workpiece Material									
P	钢	○	○	○	○	×	×	×	×
M	不锈钢	○	×	√	√	√	√	○	○
K	铸铁								
N	有色金属								
S	耐热合金、钛合金								
H	淬硬钢					√	×		

产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)				CVD涂层	PVD涂层				金陶 Cermet
		ØI.C	T	Φd	a	TC2035	TC1225	TC1025	TC1205	TC1120	
	RCHT10T3MO-WM	10	3.97	4.4	11°	●	●	▲			
	RCHT1204MO-WM	12	4.76	4.4	11°	●	●	▲			
	RCMT0602MO	6	2.38	3.35	11°	●	●	▲	●	▲	
	RDHT07T1MO	16	6.35	5.5	11°	●	●	▲	●	▲	
	RDHT0702MO	7	2.38	3.35	11°	●	●	▲	●	▲	
	RDKW1204MO	12	4.76	4.4	11°	●	●	▲	●	▲	
	RPMW1003MO	10	3.18	4.6	11°	●	●	▲	●	▲	
	RPMW10T3MO	10	3.97	4.6	11	●	●	▲	●	▲	
	RPMW1204MO	12	4.76	4.4	11°	●	●	▲	●	▲	
	RPMW1606MO	16	6.35	5.5	11°	●	●	▲	●	▲	
											

Workpiece Material									
P	钢	○	○	○	○	×	×	×	×
M	不锈钢	○	×	√	√	√	√	○	○
K	铸铁								
N	有色金属								
S	耐热合金、钛合金								
H	淬硬钢					√	×		

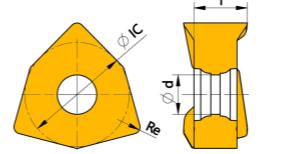
产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)				CVD涂层	PVD涂层				金陶 Cermet
		L	ØI.C	T	r	bs	TC2035	TC1225	TC1025	TC1205	TC1120
	LNMU0303ZER-MJ	11.9	3.75	6.00	2.85	1.2	●	●	▲		
	LNMU0303ZER-ML	11.9	3.75	6.00	2.85	1.2	●	●	▲		
	LOGU030310ER-GM	12.0	3.96	6.22	3.45	1.0	●	●	▲		
	LPGT010210ER-GM	6.26	2.19	4.19	2.10	1.0	●	●	▲		
											

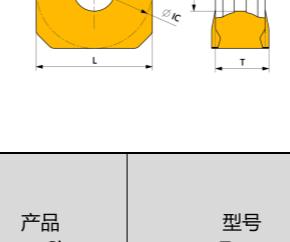
▲为主推荐牌号 Recommended grade (Always stock available) ●按订单生产可选牌号 Make-to-order

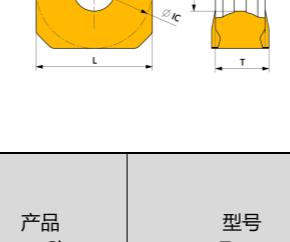
WNMU/WPMT/SNMX/SNGX/SPKR

Milling Inserts
铣削刀片

铣削刀片 Milling Tools



Workpiece Material										
P	钢	○	○	○	○	○	○	○	○	
M	不锈钢	○	×	√	√	√	√	○	○	
K	铸铁									
N	有色金属									
S	耐热合金、钛合金									
H	淬硬钢									
	WNMU040304EN-GM	6.25	3.1	1.2	3.3	0.4	●	●	▲	
	WNMU050408EN-GM	8.8	4.2	4	3.4	0.8	●	●	▲	
	WNMU060408EN-GM	9.525	4	3.5	0.8	●	●	●	▲	
	WNMU080608EN-GM	14.02	6.65	6.2	0.8	●	●	●	▲	
										

Workpiece Material										
P	钢	○	○	○	○	○	○	○	○	
M	不锈钢	○	×	√	√	√	√	○	○	
K	铸铁									
N	有色金属									
S	耐热合金、钛合金									
H	淬硬钢									
	SNMX1205ANN-M	12.7	12.7	5.59	1.5	●	●	▲		
	SNMX1205ANN-GM	12.7	12.7	5.54	1.2	●	●	▲		
	SNMX1205ZNN									

SEEN/SEMT/SEMR/SEKR/SEKT/WDMW/JDMW

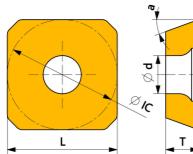
Milling Inserts
铣削刀片

A 车削刀片

B 铣削刀片

C 孔加工刀片

铣削刀片 Milling Tools

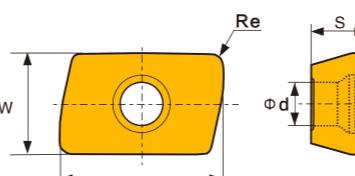


产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)					CVD涂层		PVD涂层					金陶 Cermet
		L	ØI.C	T	φd	a	TC2035		TC1225	TC1025		TC1205	TC1120	
	SEEN1203AFTN	12.7	12.7	3.18	/		●		●	▲		●	▲	
	SEEN1504AFTN	15.875	15.875	4.76	/		●		●	▲		●	▲	
	SEMR1203AFTN	12.7	12.7	3.18	2.3		●		●	▲		●	▲	
	SEMR1504AFTN	15.875	15.875	4.76	3.2		●		●	▲		●	▲	
	SEKR1003AFEN	10.39	10.39				●		●	▲		●	▲	
	SEKR1203AFTN	12.7	12.7	3.18	2.3		●		●	▲		●	▲	
							●		●	▲		●	▲	
	SEMT13T3AGSN-ZY	13.4	13.4	3.97	4.4		●		●	▲		●	▲	
	SEKT1204AFTN	12.7	12.7	4.76	5.5		●		●	▲		●	▲	
	良好工况 Good working conditions ○一般工况 General working conditions ✕不稳定工况 Unstable working conditions													
	H 件料粒													
	P 钢						○	○	○	○	×	✓	×	
	M 不锈钢	○	✗	✓	✓	✓	○	○	○	○	✓	✓	✗	
	K 铸铁													
	N 有色金属													
	S 耐热合金、钛合金													
	H 淬硬钢													
	H 件料粒													
	P 钢						○	○	○	○	○	○	○	
	M 不锈钢	○	✗	✓	✓	✓	○	○	○	○	○	○	○	
	K 铸铁													
	N 有色金属													
	S 耐热合金、钛合金													
	H 淬硬钢													

Milling Inserts
铣削刀片

XOMX/JDMT

铣削刀片 Milling Tools



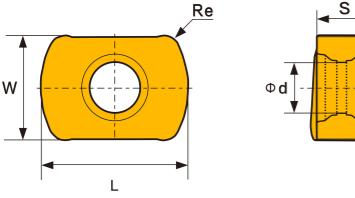
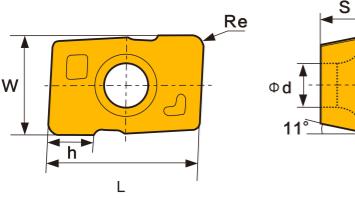
产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)					CVD涂层		PVD涂层					金陶 Cermet
		L	S	W	φd	Re	TC2035		TC1225	TC1025		TC1205	TC1120	
	XOMX120408TR	10.2	3.85	6.90	2.96	0.8	●		●	▲		●	▲	
	XOMX120420TR	12.7	5.07	8.20	3.85	0.8	●		●	▲		●	▲	
	XOMX120412TR	12.7	5.05	8.20	3.90	1.2	●		●	▲		●	▲	
							●		●	▲		●	▲	
	良好工况 Good working conditions ○一般工况 General working conditions ✕不稳定工况 Unstable working conditions													
	H 件料粒													
	P 钢						○	○	○	○	○	○	○	
	M 不锈钢	○	✗	✓	✓	✓	○	○	○	○	○	○	○	
	K 铸铁													
	N 有色金属													
	S 耐热合金、钛合金													
	H 淬硬钢													
	H 件料粒													
	P 钢						○	○	○	○	○	○	○	
	M 不锈钢	○	✗	✓	✓	✓	○	○	○	○	○	○	○	
	K 铸铁													
	N 有色金属													
	S 耐热合金、钛合金													
	H 淬硬钢													

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

BLMP/MPHW

Milling Inserts
铣削刀片

铣削刀片 Milling Tools

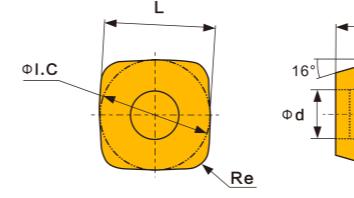
Milling Inserts Good working conditions General working conditions Unstable working conditions									
Workpiece Material	P	钢					○	○	x x
	M	不锈钢	○	x	✓	✓	○	○	✓ x
	K	铸铁							✓ x
	N	有色金属							
	S	耐热合金、钛合金							✓ x
	H	淬硬钢							

产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)					CVD涂层	PVD涂层					金陶 Cermet		
		L	S	W	φd	Re	TC2035	TC1225	TC1025	TC1205	TC1120	TC1225	TC1025	TC1205	TC1120
	BLMP0603R-M	9.0	3.73	6.39	3.1	1.0	●	● ▲		● ▲					
	BLMP0904R-M	11.9	4.79	9.15	4.1	1.5	●	● ▲		● ▲					
	MPHW060304ZEL	-	3.18	6.35	3	0.4	●	● ▲		● ▲					
	MPHW060308ZEL	-	3.18	6.35	3	0.8	●	● ▲		● ▲					
	MPHW060304ZEL-0.5	-	3.18	6.35	3	0.4	●	● ▲		● ▲					
	MPHW060304ZEL-1.5	-	3.18	6.35	3	0.8	●	● ▲		● ▲					

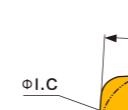
▲为主推荐牌号 Recommended grade (Always stock available) ●按订单生产可选牌号 Make-to-order

SDMT/SOMT

铣削刀片 Milling Tools



Milling Inserts Good working conditions General working conditions Unstable working conditions									
Workpiece Material	P	钢					○	○	x x
	M	不锈钢	○	x	✓	✓	○	○	✓ x
	K	铸铁							
	N	有色金属							
	S	耐热合金、钛合金							
	H	淬硬钢							

产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)					CVD涂层	PVD涂层					金陶 Cermet		
		ΦI.C	S	L	Φd	Re	TC2035	TC1225	TC1025	TC1205	TC1120	TC1225	TC1025	TC1205	TC1120
	SDMT09T3	12.66	5.54	15.3	4.4	1.2	●		● ▲						
	SDMT1204	12.7	4.76	12.7	4.4	1.2	●		● ▲						
	SDMT120512	12.66	5.54	12.66	4.4	1.2	●		● ▲						
	SDMT150512	15.875	5.56	15.875	5.5	1.2	●		● ▲						
	SDMT1205ZDTN	12.7	5.54	12.7	4.6	2.8	●		● ▲						
	SDMT1505ZDTN	15.875	5.56	15.875	5.5	0.8	●		● ▲						
	SOMT100420ER	10.39	4.59	10.39	4.6	2.0	●		● ▲						
	SOMT140520ER	14.16	5.56	14.16	5.8	2.0	●		● ▲						

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

PNMU/ONMU

Milling Inserts
铣削刀片

铣削刀片 Milling Tools

Milling Inserts 铣削刀片											
Workpiece Material 工件材料											
Good working conditions 良好工况 General working conditions Unstable working conditions 不稳定工况											
P	钢						○	○	×	×	
M	不锈钢	○	×	√	√	√	○	○	×	√	×
K	铸铁								√	×	
N	有色金属										
S	耐热合金、钛合金								√	×	
H	淬硬钢										
产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)		CVD涂层	PVD涂层			金陶 Cermet			
Inserts Shape	Type	ΦI.C	S	L	Φd	Re	TC2035	TC1225	TC1025	TC1205	TC1120
	PNMU0905XNER	13.4	6.19	9.3	4.64	0.8	●	●	▲	●	▲
产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)		CVD涂层	PVD涂层			金陶 Cermet			
Inserts Shape	Type	ΦI.C	S	ap	BS	Re	TC2035	TC1225	TC1025	TC1205	TC1120
	ONMU05055	13.0	5.5	3.5	5.0	0.5	●	●	▲	●	▲

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

HNGX/XNEX

铣削刀片 Milling Tools

Milling Inserts 铣削刀片											
Workpiece Material 工件材料											
Good working conditions 良好工况 General working conditions Unstable working conditions 不稳定工况											
P	钢						○	○	×	×	
M	不锈钢	○	×	√	√	√	○	○	×	√	×
K	铸铁										
N	有色金属										
S	耐热合金、钛合金										
H	淬硬钢										
产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)		CVD涂层	PVD涂层			金陶 Cermet			
Inserts Shape	Type	ΦI.C	S	ap	BS	Re	TC2035	TC1225	TC1025	TC1205	TC1120
	HNGX0906ANSN	16.5	6.35	9.1	4.9	1.0	●	●	▲	●	▲
产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)		CVD涂层	PVD涂层			金陶 Cermet			
Inserts Shape	Type	ΦI.C	S	ap	BS	Re	TC2035	TC1225	TC1025	TC1205	TC1120
	XNEX040304TR	6.71	3.29	4.3	3.1	0.4	●	●	▲	●	▲
产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)		CVD涂层	PVD涂层			金陶 Cermet			
Inserts Shape	Type	ΦI.C	S	ap	BS	Re	TC2035	TC1225	TC1025	TC1205	TC1120
	XNEX040308TR	6.71	3.29	4.3	3.1	0.8	●	●	▲	●	▲
	XNEX080608TR	12.48	6.45	8.0	4.65	0.8	●	●	▲	●	▲

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



C

孔加工刀片

Hole Machining Inserts

深孔钻刀片 Deep-hole Drilling Inserts

075

刮削滚光刀片 Scraping and rolling inserts

082

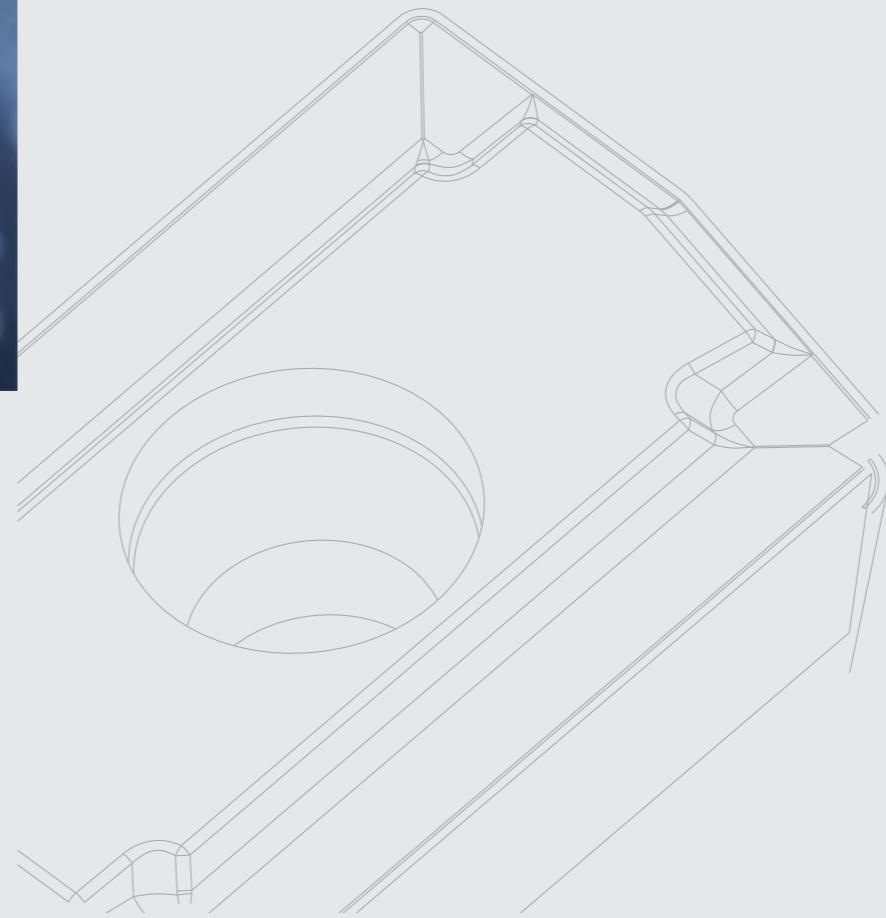
浅孔钻刀片 Shallow Hole Drilling Inserts

084

NewCermets®
新陶新材

HOLE MACHINING INSERTS

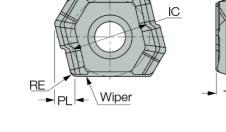
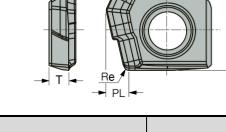
孔加工刀片



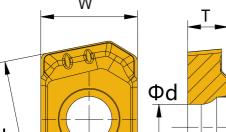
LOGT/ZSGT/LOMT

孔加工刀片

深孔钻刀片 Deep-hole Drilling Inserts

A 车削刀片	B 铣削刀片	C 孔加工刀片	深孔钻刀片 Deep-hole Drilling Inserts																		
			✓ 良好工况 Good working conditions ○ 一般工况 General working conditions ✕ 不稳定工况 Unstable working conditions																		
			Workpiece Material		P	钢						○			○	×	×				
					M	不锈钢	○	×	✓	✓	✓	✓	○	○	○	×	✓	✓	×		
					K	铸铁											✓	×	×		
					N	有色金属													✓		
					S	耐热合金、钛合金													✓		
					H	淬硬钢															
产品 Inserts Shape			尺寸 Dimensions (mm)				CVD涂层				PVD涂层										
			IC	T	PL	Re	TC2035				TC1225	TC1025					TC1205	TC1120			
			LOGT060204R-DT	7	2	1.8	0.4	▲			●	▲					●	▲			
			ZSGT060204R-DT	6	1.5	1.8	0.4	▲			●	▲					●	▲			

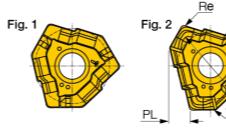
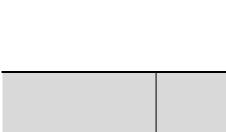
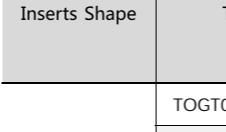
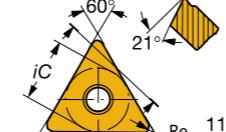
深孔钻刀片 Deep-hole Drilling Inserts

A 车削刀片	B 铣削刀片	C 孔加工刀片	深孔钻刀片 Deep-hole Drilling Inserts																		
			✓ 良好工况 Good working conditions ○ 一般工况 General working conditions ✕ 不稳定工况 Unstable working conditions																		
			Workpiece Material		P	钢						○			○	×	×				
					M	不锈钢	○	✓	✓	✓	✓	○	○	○	○	×	✓	✓	×		
					K	铸铁										✓	×	×			
					N	有色金属															
					S	耐热合金、钛合金															
					H	淬硬钢															
产品 Inserts Shape			尺寸 Dimensions (mm)				CVD涂层				PVD涂层										
			L	W	T	Φd	TC2035				TC1225	TC1025					TC1205	TC1120			
			LOMT060204R	9.10	6	2.5	2.85	▲			●	▲					●	▲			

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

TOGT/TPMT

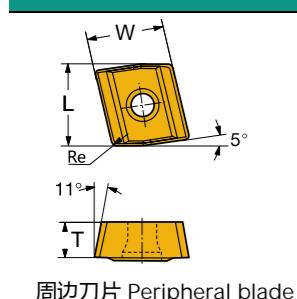
孔加工刀片

A 车削刀片	B 铣削刀片	C 孔加工刀片	深孔钻刀片 Deep-hole Drilling Inserts																		
			✓ 良好工况 Good working conditions ○ 一般工况 General working conditions ✕ 不稳定工况 Unstable working conditions																		
			Workpiece Material		P	钢															
					M	不锈钢	○	×	✓	✓	✓	✓	○	○	○	×	✓	✓	×		
					K	铸铁															
					N	有色金属															
					S	耐热合金、钛合金															
					H	淬硬钢															
产品 Inserts Shape			尺寸 Dimensions (mm)				CVD涂层				PVD涂层										
			IC	Re	PL	T	Fig.	TC2035			TC1225	TC1025					TC1205	TC1120			
			TOGT070304-DT	7.69	0.4	1.95	②	2.3	1	▲							●	▲			
			TOGT080305-DT	8.55	0.5	2.2	2.8	1	▲								●	▲			
			TOGT090305-DT	9.32	0.5	3.0	3.0	2	▲								●	▲			
			TOGT100305-DT	9.23	0.5	3.2	3.3	2	▲								●	▲			
			TOGT110405-DT	10.4	0.5	3.4	3.8	2	▲								●	▲			
			TOGT120405-DT	11.59	0.5	3.6	4.3	2	▲								●	▲			
			TOGT130408-DT	12.85	0.8	4.57	4.76	2	▲	</td											

800 Series

孔加工刀片

深孔钻刀片 Deep-hole Drilling Inserts



周边刀片 Peripheral blade

Workpiece Material	P	钢		○			○		○	×	×	×
	M	不锈钢	○	×	○	√	√	√	○	○	○	×
	K	铸铁									√	×
	N	有色金属										
	S	耐热合金、钛合金										√
	H	淬硬钢										

Inserts Shape	Type	尺寸 Dimensions (mm)				CVD涂层				PVD涂层			
		W	L	T	Re	TC2035	TC1225	TC1025	TC1205	TC1225	TC1025	TC1205	TC1120
-P-G	800-06 03 08H-P-G	8.0	6.50	3.18	0.8	▲				●	▲		
	800-06 03 08H-P-L	8.0	6.50	3.18	0.8	▲				●	▲		
	800-08 T3 08H-P-G	9.0	8.50	3.97	0.8	▲				●	▲		
	800-08 T3 08H-P-L	9.0	8.50	3.97	0.8	▲				●	▲		
	800-09 T3 08H-P-G	9.0	9.68	3.97	0.8	▲				●	▲		
	800-09 T3 08H-P-L	9.0	9.68	3.97	0.8	▲				●	▲		
	800-11 T3 08H-P-G	9.0	12.75	3.97	0.8	▲				●	▲		
	800-11 T3 08H-P-L	9.0	12.75	3.97	0.8	▲				●	▲		
-P-L	800-05 03 08M-I-G	5.56	9.87	3.18	0.8	▲				●	▲		
	800-05 03 08M-I-L	5.56	9.87	3.18	0.8	▲				●	▲		
	800-06 T3 08M-I-G	6.35	9.87	3.97	0.8	▲				●	▲		
	800-06 T3 08M-I-L	6.35	9.87	3.97	0.8	▲				●	▲		
	800-08 T3 08M-I-G	7.94	9.87	3.97	0.8	▲				●	▲		
	800-08 T3 08M-I-L	7.94	9.87	3.97	0.8	▲				●	▲		
	800-12 T3 08M-I-G	12.70	9.87	3.97	0.8	▲				●	▲		
	800-12 T3 08M-I-L	12.70	9.87	3.97	0.8	▲				●	▲		

Inserts Shape	Type	尺寸 Dimensions (mm)				CVD涂层				PVD涂层			
		W	L	T	Re	TC2035	TC1225	TC1025	TC1205	TC1225	TC1025	TC1205	TC1120
-I-G	800-05 03 08M-I-G	5.56	9.87	3.18	0.8	▲				●	▲		
	800-05 03 08M-I-L	5.56	9.87	3.18	0.8	▲				●	▲		
	800-06 T3 08M-I-G	6.35	9.87	3.97	0.8	▲				●	▲		
	800-06 T3 08M-I-L	6.35	9.87	3.97	0.8	▲				●	▲		
	800-08 T3 08M-I-G	7.94	9.87	3.97	0.8	▲				●	▲		
	800-08 T3 08M-I-L	7.94	9.87	3.97	0.8	▲				●	▲		
	800-12 T3 08M-I-G	12.70	9.87	3.97	0.8	▲				●	▲		
	800-12 T3 08M-I-L	12.70	9.87	3.97	0.8	▲				●	▲		
-I-L	800-05 03 08M-I-G	5.56	9.87	3.18	0.8	▲				●	▲		
	800-05 03 08M-I-L	5.56	9.87	3.18	0.8	▲				●	▲		
	800-06 T3 08M-I-G	6.35	9.87	3.97	0.8	▲				●	▲		
	800-06 T3 08M-I-L	6.35	9.87	3.97	0.8	▲				●	▲		
	800-08 T3 08M-I-G	7.94	9.87	3.97	0.8	▲				●	▲		
	800-08 T3 08M-I-L	7.94	9.87	3.97	0.8	▲				●	▲		
	800-12 T3 08M-I-G	12.70	9.87	3.97	0.8	▲				●	▲		
	800-12 T3 08M-I-L	12.70	9.87	3.97	0.8	▲				●	▲		

Inserts Shape	Type	尺寸 Dimensions (mm)				CVD涂层				PVD涂层			
		W	L	T	Re	TC2035	TC1225	TC1025	TC1205	TC1225	TC1025	TC1205	TC1120
-C-G	800-05 03 08M-C-G	5.56	9.87	3.18	0.8	▲				●	▲		
	800-06 T3 08M-C-G	6.35	9.87	3.97	0.8	▲				●	▲		
	800-08 T3 08M-C-G	7.94	9.87	3.97	0.8	▲				●	▲		
	800-10 T3 08M-C-G	9.53	9.87	3.97	0.8	▲				●	▲		
	800-12 T3 08M-C-G	12.7	9.87	3.97	0.8	▲				●	▲		
	R424.9-13T308-22	10.0	14.7	3.97	0.8	▲				●	▲		
	R424.9-13T308-23	10.0	14.7	3.97	0.8	▲				●	▲		
	R424.9-180608-22	11.5	20.6	6.35	0.8	▲				●	▲		
-C-L	R424.9-180608-23	11.5	20.6	6.35	0.8	▲				●	▲		
	R424.9-180608-24	11.5	20.6	6.35	0.8	▲				●	▲		
	R424.9-180608-25	11.5											

TPMX-RB/RG/LG

孔加工刀片

深孔钻刀片 Deep-hole Drilling Inserts

A 车削刀片				√ 良好工况 Good working conditions ◎ 一般工况 General working conditions × 不稳定工况 Unstable working conditions											
				Workpiece Material											
	P	钢						○			○	×	×	×	×
	M	不锈钢	○	×	√	√	√	√	○	○	○	○	×	√	×
	K	铸铁											√	×	
	N	有色金属													
	S	耐热合金、钛合金											√		
B 铣削刀片	H	淬硬钢													
	产品 Inserts Shape			尺寸 Dimensions (mm)			CVD涂层				PVD涂层				
	型号 Type			IC	T	Re	TC2035				TC1225	TC1025			
	TPMX1403-RB	8.45	3.5	0.4	▲				●	▲					
	TPMX1403-RG	8.45	3.5	0.8	▲				●	▲					
	TPMX1704-RB	10.30	4.0	0.4	▲				●	▲					
	TPMX1704-RG	10.30	4.0	0.8	▲				●	▲					
C 孔加工刀片	TPMX2405-RB	14.20	5.5	0.4	▲				●	▲					
	TPMX2405-RG	14.20	5.5	1.2	▲				●	▲					
	TPMX2807-RB	17.00	7.5	0.8	▲				●	▲					
	TPMX2807-RG	17.00	7.5	1.6	▲				●	▲					
	TPMX 1403-LG	8.45	3.5	0.8	▲				●	▲					
	TPMX 1704-LG	10.30	4.0	0.8	▲				●	▲					
	TPMX 2405-LG	14.20	5.5	1.2	▲				●	▲					

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

GPS Series

孔加工刀片

深孔钻刀片 Deep-hole Drilling Insert

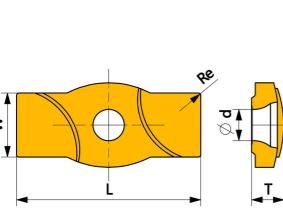
A 车削刀片				√ 良好工况 Good working conditions ◎ 一般工况 General working conditions × 不稳定工况 Unstable working conditions													
				Workpiece Material													
	P	钢															
	M	不锈钢	○	×	√	√	√	√	○	○	○	○	○	○	√	√	×
	K	铸铁															√
	N	有色金属															
	S	耐热合金、钛合金															
B 铣削刀片	H	淬硬钢															
	产品 Inserts Shape			尺寸 Dimensions (mm)			CVD涂层				PVD涂层						
	型号 Type			W	T	L	Re	TC2035			TC1225	TC1025			TC1205	TC120	
	GPS 04-16-045	4	1.8	16	4.5	▲					●	▲				●	▲
	GPS 04-16-050	4	1.8	16	5.0	▲					●	▲				●	▲
	GPS 04-16-055	4	2.0	16	5.5	▲					●	▲				●	▲
	GPS 05-18-060	5	2.5	18	6.0	▲					●	▲				●	▲
C 孔加工刀片	GPS 06-20-075	6	3.0	20	7.5	▲					●	▲				●	▲
	GPS 06-20-085	6	3.0	20	8.5	▲					●	▲				●	▲
	GPS 06-20-100	6	3.0	20	10	▲					●	▲				●	▲
	GPS 06-20-120	6	3.0	20	12	▲					●	▲				●	▲
	GPS 07-20-120	7	3.5	20	12	▲					●	▲				●	▲
	GPS 08-25-155	8	4.5	25	15.5	▲					●	▲				●	▲
	GPS 10-30-200	10	4.5	30	20	▲					●	▲				●	▲
C 孔加工刀片	GPS 10-35-200	10	6.0	35	20	▲					●	▲				●	▲
	GPS 12-35-250	12	5.5	35	25	▲					●	▲				●	▲
	GPS 14-40-250	14	7.5	40	25	▲					●	▲				●	▲
	GPS 18-40-300	18	9.0	40	30	▲					●	▲				●	▲

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

800 Series

孔加工刀片

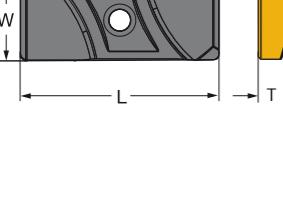
深孔钻刀片 Deep-hole Drilling Inserts



A 车削刀片

		尺寸 Dimensions (mm)						CVD涂层		PVD涂层						
产品 Inserts Shape	型号 Type	W	T	L	a	Re	TC125	TC2035	TC1225	TC1025	TC1205	TC1120	TC1225	TC1025	TC1205	TC1120
	800-06A	6	3.0	18	0°	\	▲	▲	●	▲	●	▲	●	▲	●	▲
	800-07A	7	3.5	20	0°	\	▲	▲	●	▲	●	▲	●	▲	●	▲
	800-08A	8	4.5	25	0°	\	▲	▲	●	▲	●	▲	●	▲	●	▲
	800-10A	10	4.5	30	0°	\	▲	▲	●	▲	●	▲	●	▲	●	▲
	800-12A	12	5.5	35	0°	\	▲	▲	●	▲	●	▲	●	▲	●	▲

深孔钻刀片 Deep-hole Drilling Inserts



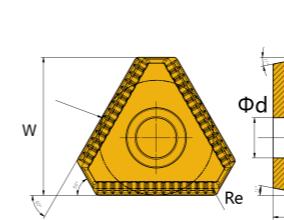
B 铸削刀片

		尺寸 Dimensions (mm)						CVD涂层		PVD涂层						
产品 Inserts Shape	型号 Type	W	T	L	a	Re	TC125	TC2035	TC1225	TC1025	TC1205	TC1120	TC1225	TC1025	TC1205	TC1120
	800-14A	14	7.0	35	0°	\	▲	▲	●	▲	●	▲	●	▲	●	▲

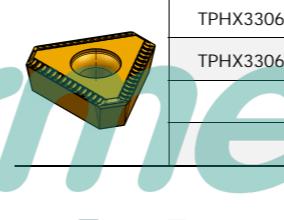
▲为主推荐牌号 Recommended grade (Always stock available) •按订单生产可选牌号 Make-to-order

TPHX/YNGX

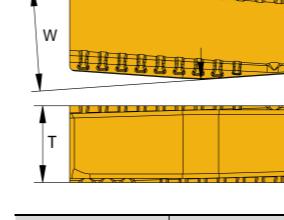
刮削滚光刀片 Scraping and rolling inserts



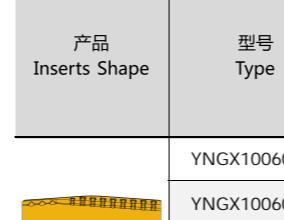
A 车削刀片

		尺寸 Dimensions (mm)						CVD涂层		PVD涂层							
产品 Inserts Shape	型号 Type	W	T	Re	d	TC125	TC2035	TC1225	TC1025	TC1205	TC1120	TC1225	TC1025	TC1205	TC1120		
	TPHX3306-RG	22.85	6.95	1.2	6.64	▲		●	▲			●	▲			●	▲
	TPHX3306-RB	22.85	6.98	1.2	6.64	▲		●	▲			●	▲			●	▲

刮削滚光刀片 Scraping and rolling blade



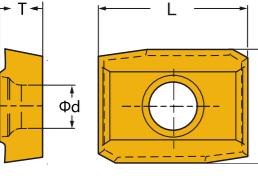
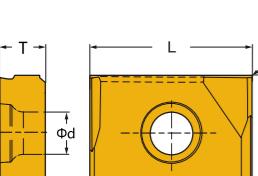
B 铸削刀片

		尺寸 Dimensions (mm)						CVD涂层		PVD涂层							
产品 Inserts Shape	型号 Type	L	W	T	Re	TC4215	TC2035	TC1225	TC1025	TC1205	TC1120	TC1225	TC1025	TC1205	TC1120		
	YNGX100605	20.5	8	6		▲	▲	●	▲			●	▲			●	▲
	YNGX100605-X	20.5	8	6		▲	▲	●	▲			●	▲			●	▲

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

孔加工刀片

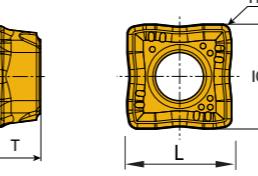
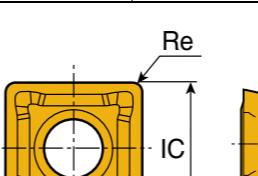
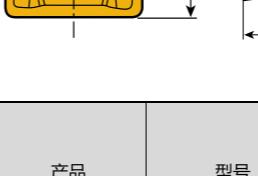
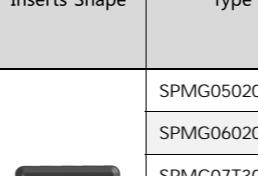
刮削滚光刀片 Scraping and rolling inserts

A 车削刀片	B 铣削刀片	C 孔加工刀片	刮削滚光刀片 Scraping and rolling inserts																		
			✓ 良好工况 Good working conditions ○ 一般工况 General working conditions ✗ 不稳定工况 Unstable working conditions																		
			Workpiece Material		P	钢					○				○	✗	✗				
			Workpiece Material		M	不锈钢	✓	✓	✓	✓	✓	○	○	○	○	✗	✓	✗	✗		
			Workpiece Material		K	铸铁		✓								✓		✓	✗		
			Workpiece Material		N	有色金属															
			Workpiece Material		S	耐热合金、钛合金										✓					
			Workpiece Material		H	淬硬钢															
			尺寸 Dimensions (mm)				CVD涂层				CVD涂层				CVD涂层						
			L	W	T	RE	TC4125	TC3225	TC1225	TC1025	TC1205	TC1120	TC1020	TC1010	TC1225	TC1025	TC1205	TC1120			
			R420.37-060200-01	10.0	7.80	2.85			▲	▲	●	▲			●	▲					
																					
																					
																					
																					

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

孔加工刀片

浅孔钻刀片 Shallow hole drilling Inserts

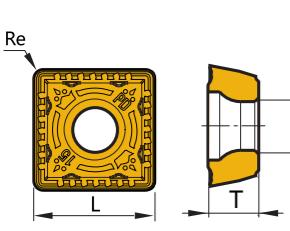
A 车削刀片	B 铣削刀片	C 孔加工刀片	浅孔钻刀片 Shallow hole drilling Inserts																		
			✓ 良好工况 Good working conditions ○ 一般工况 General working conditions ✗ 不稳定工况 Unstable working conditions																		
			Workpiece Material		P	钢							○								
			Workpiece Material		M	不锈钢	✓	✓	✓	✓	✓	○	○	○	○	✗	✓	✗	✗		
			Workpiece Material		K	铸铁												✓	✗		
			Workpiece Material		N	有色金属															
			Workpiece Material		S	耐热合金、钛合金															
			Workpiece Material		H	淬硬钢															
			尺寸 Dimensions (mm)				CVD涂层				CVD涂层				PVD涂层						
			L	I.C.	T	Φd	Re		TC2035						TC1225	TC1025	TC1205	TC1120			
			SOMT 040204-DP	4.10	4.40	2.38	2.25	0.4		▲					●	▲		●	▲		
			SOMT 050204-DP	4.90	4.90	2.38	2.25	0.4		▲					●	▲		●	▲		
			SOMT 060204-DP	5.70	5.70	2.38	2.60	0.4		▲					●	▲		●	▲		
			SOMT 070306-DP	6.80	6.80	2.80	2.60	0.6		▲					●	▲		●	▲		
			SOMT 08T306-DP	7.90	7.90	3.97	2.85	0.6		▲					●	▲		●	▲		
			SOMT 09T308-DP	9.20	9.20	3.97	3.80	0.8		▲					●	▲		●	▲		
			SOMT 11T308-DP	11.00	11.00	3.97	3.80	0.8		▲					●	▲		●	▲		
			SOMT 130408-DP	12.80	12.80	4.40	4.40	0.8		▲					●	▲		●	▲		
			SOMT 150510-DP	15.00	15.00	4.80	5.40	1		▲					●	▲		●	▲		

A 车削刀片	B 铣削刀片	C 孔加工刀片	浅孔钻刀片 Shallow hole drilling Inserts													
			✓ 良好工况 Good working conditions ○ 一般工况 General working conditions ✗ 不稳定工况 Unstable working conditions													
			Workpiece Material		P	钢							○			
			Workpiece Material		M	不锈钢	○	✓	✓</							

SPMT

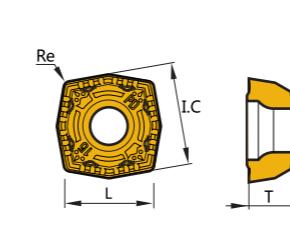
孔加工刀片

浅孔钻刀片 Shallow hole drilling Inserts



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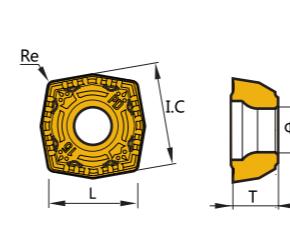
A 车削刀片

		√ 良好工况 Good working conditions						○ 一般工况 General working conditions						× 不稳定工况 Unstable working conditions					
Workpiece Material	P	钢							○				○	x				x	
	M	不锈钢	○	x	√	√	√	√	√	○	○	○	○	x	√	√	x	x	
	K	铸铁															√	x	
	N	有色金属																	
	S	耐热合金、钛合金																√	
	H	淬硬钢																	
	产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)				CVD涂层		PVD涂层										
		L	T	Re	Φd	TC2035		TC1225	TC1025		TC1205	TC1120		TC2035	TC1225	TC1025	TC1205	TC1120	
	SPMT040204-PD	4.7	2.4	0.4	2.3	▲		●	▲		●	▲		●	▲		●	▲	
	SPMT050204-PD	5.1	2.4	0.4	2.3	▲		●	▲		●	▲		●	▲		●	▲	
	SPMT060204-PD	6.2	2.5	0.5	2.5	▲		●	▲		●	▲		●	▲		●	▲	
	SPMT07T208-PD	7.5	2.8	0.7	2.8	▲		●	▲		●	▲		●	▲		●	▲	
	SPMT090308-PD	9.2	3.3	0.8	3.4	▲		●	▲		●	▲		●	▲		●	▲	
	SPMT11T308-PD	11.0	4.0	0.8	4.0	▲		●	▲		●	▲		●	▲		●	▲	
	SPMT130410-PD	13.0	4.5	1.0	4.5	▲		●	▲		●	▲		●	▲		●	▲	
	SPMT15M510-PD	15.2	5.0	1.0	5.5	▲		●	▲		●	▲		●	▲		●	▲	
	SPMT180510-PD	18.2	5.5	1.0	6.0	▲		●	▲		●	▲		●	▲		●	▲	

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

XOMT

浅孔钻刀片 Shallow hole drilling Inserts



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Φd

A 车削刀片

		√ 良好工况 Good working conditions						○ 一般工况 General working conditions						× 不稳定工况 Unstable working conditions					
Workpiece Material	P	钢							○				○	x			x	x	
	M	不锈钢	√	√	√	√	√	√	○	○	○	○	○	○	○	○	√	√	
	K	铸铁															√	x	
	N	有色金属																	
	S	耐热合金、钛合金																√	
	H	淬硬钢																	
	产品 Inserts Shape	型号 Type	尺寸 Dimensions (mm)					PVD涂层											
		L	I.C.	T	Φd	Re	TC2035		TC1225	TC1025		TC1205	TC1120		TC2035	TC1225	TC1025	TC1205	TC1120
	XOMT040204-PD	4.3	4.9	2.4	2.3	0.4	▲		●	▲		●	▲		●	▲		●	▲
	XOMT050204-PD	4.8	5.4	2.4	2.3	0.4	▲		●	▲		●	▲		●	▲		●	▲
	XOMT060204-PD	5.8	6.6	2.5	2.5	0.4	▲		●	▲		●	▲		●	▲		●	▲
	XOMT07T205-PD	6.9	7.8	2.8	2.8	0.5	▲		●	▲		●	▲		●	▲		●	▲
	XOMT090305-PD	8.4	9.6	3.3	3.4	0.5	▲		●	▲		●	▲		●	▲		●	▲
	XOMT11T306-PD	10.0	11.4	4.0	4.0	0.6	▲		●	▲		●	▲		●	▲		●	▲
	XOMT130406-PD	11.9	13.6	4.5	4.5	0.6	▲		●	▲		●	▲		●	▲		●	▲
	XOMT15M508-PD	13.9	15.9	5.0	5.5	0.8	▲		●	▲		●	▲		●	▲		●	▲
	XOMT180508-PD	16.5	18.9	5.5	6.0	0.8	▲		●	▲		●	▲		●	▲		●	▲

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



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