

CUTTING TOOLS PRODUCT BROCHURE

切削刀具产品手册



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株洲创德硬质合金有限公司

ZHUZHOU CHUANGDE CEMENTED CARBIDE CO., LTD.



THE CRADLE OF CHINESE CEMENTED CARBIDE INDUSTRY

中国硬质合金工业的摇篮

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Company Profile

公司简介

Zhuzhou Chuangde Cemented Carbide Co., Ltd., located in Zhuzhou, Hunan, China, specializes in the manufacturing and wholesale sales of CNC blades, end mills, carbide burrs, carbide wear parts, carbide heads for mining and tungsten alloys. We have a highly qualified, experienced and proactive team dedicated to providing customers with high-quality and lasting solutions to ensure the creation of excellent value in the global market.

The company provides a full range of domestic and imported carbide products to meet the needs of different customers, and tailor-made non-standard carbide parts and CNC cutting tools for customers. We have a team of 10 professional sales and engineers who can provide technical support and sales solutions to ensure that the products meet various quality requirements.

We have passed ISO9001:2015 quality management system certification and ISO14001 environmental management system certification, and have established a rigorous quality assurance system to ensure that all products meet international first-class standards. Our products are widely used in North America, Latin America, Europe, Southeast Asia, South Africa and other regions.

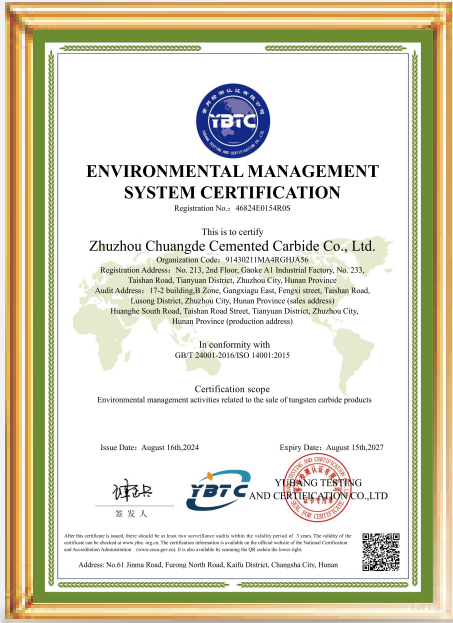
The company adheres to the core concept of "based on service, survive by quality, and develop by technology", always takes customers as the center, and continuously promotes the progress of the industry with flexible and efficient services and innovative technologies. We warmly welcome customers from all over the world to visit and discuss cooperation.

Company equipment

公司设备



Company qualifications
公司资质



牌号一览表

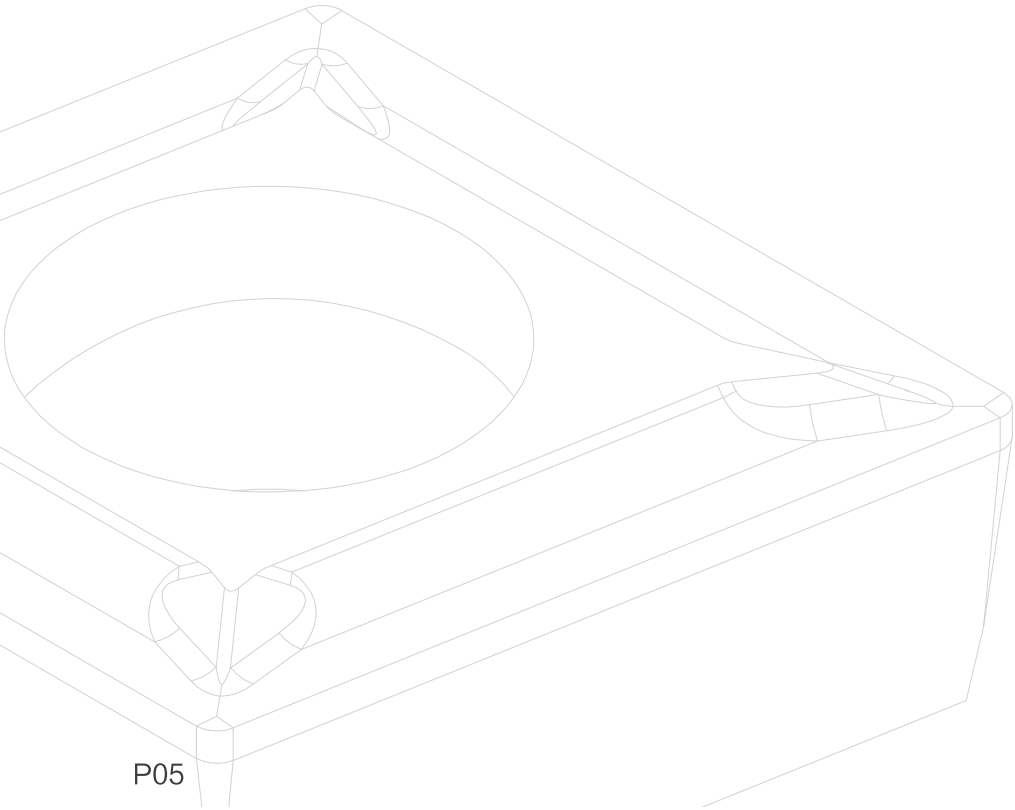
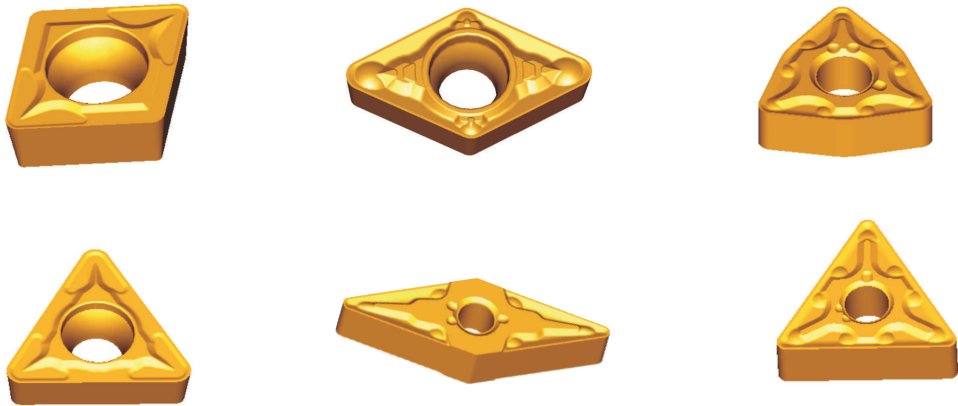
Grades For Insert Blanks

牌号 Grade	化学成分 Chemical Composition(%)		物理特性 Physical Characteristics			适用涂层 Applicable Coating			推荐加工用途 Application
	Co	Other	密度 (HRA)	硬度 (g/cm ³)	强度 (N/mm ²)	None	PVD	CVD	
CD1005	10	90	14.5	91.6	3600		●		细颗粒硬质合金基体，具有很好的通用性，适合 钢件、不锈钢、铸铁等材料的通用加工； Fine-grained carbide matrix with good versatility and fits:General processing of steel, stainless steel, cast iron and other materials;
CD1010	10	90	14.5	91.8	3800		●		超细颗粒硬质合金基体，具有优异的通用性及稳 定性，特别适合铣削加工用基体材料； Ultra-fine grain carbide matrix, with excellent versatility and stability Qualitative, especially suitable for base materials for milling;
CD1015	12	88	14.1	92.0	4800		●		不锈钢、钛合金及高温合金等难加工材料通用加 工材质，高耐磨的同时做到极致韧性； Stainless steel, titanium alloys and high-temperature alloys and other difficult-to-machine materials are universally added Material, high wear resistance and extreme toughness;
CD1020	8	92	14.5	94.5	3000		●		纳米级碳化钨搭配独特配方做到高硬度的同时 兼顾韧性,适合高硬车削、铣削精车加工 Nano-scale tungsten carbide with a unique formula to achieve high hardness and toughness at the same time, suitable for high-hard turning, milling and fine turning
CD1025	9	91	14.4	93.8	3000		●		适高硬钢件加工，同时兼顾钛合金、铝合金精铣 加工； It is suitable for the processing of high hard steel parts, and at the same time takes into account the precision milling of titanium alloy and aluminum alloy Processing;
CD2010	8	92	14.0	90.5	3000			●	具有良好的刃口安全性及出色的韧性基体，适用 于钢件、不锈钢车削加工； It has good edge safety and excellent toughness substrate, and is suitable for Turning of steel and stainless steel;
CD2020	6	94	14.0	91.5	2800			●	高耐磨性基体，适用于钢、铸钢和不锈钢半精、 精加工在高速切削条件下的理想牌号； High wear resistance substrate for steel, cast steel and stainless steel semi-finishing,Ideal grades for finishing at high cutting speeds;
CD4005	6	94	14.9	91.5	2800			●	适合铸铁的高速车削加工，在中速时还能承受断 续切削，应用于铸铁的铣削时也有极强的通用性； It is suitable for high-speed turning of cast iron and can withstand breaking at medium speeds Continuous cutting, applied to the milling of cast iron, also has strong versatility;
CD4010	6	94	14.9	92.3	2800	●		●	高速切削球磨铸铁、灰口铸铁最佳耐磨性的材质， 也可适合有色材料的通用加工； High-speed cutting ductile iron, gray cast iron best wear resistance material.It can also be suitable for general processing of colored materials;
CD6005	6	94	14.9	93.1	3000	●			有色金属加工用高端材质，较市面流通材质具有 更优异的表现； High-end materials for non-ferrous metal processing are more than circulating materials on the market better performance;

说明：可以提供更多牌号的材质来满足您的产品需求，如有材质相关疑问请随时联系我们。

Notes: More grades are available to meet your demanding challenges. Please contact us for details.

车削刀片
Turning Inserts



车削刀片
Turning Inserts

刀片外形 Shape	型 号 Style	基本尺寸 Basic dimension(mm)				牌 号 Grade				
		IC	T	D	R	CD1010	CD1015	CD2010	CD2020	CD4005
	CCMT060204-MA	6.35	3.97	2.8	0.4	•	•			
	CCMT060208-MA	6.35	3.97	2.8	0.8	•	•			
	CCMT09T304-MA	9.525	3.97	4.4	0.4	•	•			
	CCMT09T308-MA	9.525	3.97	4.4	0.8	•	•			
	CCMT120404-MA	12.70	4.76	5.5	0.4	•	•			
	CCMT120408-MA	12.70	4.76	5.5	0.4	•	•			
	DCMT070204-MA	6.35	2.38	2.8	0.4	•	•			
	DCMT070208-MA	6.35	2.38	2.8	0.8	•	•			
	DCMT11T304-MA	9.525	3.97	4.4	0.4	•	•			
	DCMT11T308-MA	9.525	3.97	4.4	0.8	•	•			
	SCMT09T304-MA	9.525	3.97	4.4	0.4	•	•			
	SCMT09T308-MA	9.525	3.97	4.4	0.8	•	•			
	TCMT090204-MA	5.56	2.38	2.5	0.4	•	•			
	TCMT090208-MA	5.56	2.38	2.5	0.8	•	•			
	TCMT110204-MA	6.35	2.38	2.8	0.4	•	•			
	TCMT110208-MA	6.35	2.38	2.8	0.8	•	•			
	TCMT16T304-MA	9.525	3.97	4.4	0.4	•	•			
	TCMT16T308-MA	9.525	3.97	4.4	0.8	•	•			
	VBMT160404-MA	9.525	4.76	4.4	0.4	•	•			
	VBMT160408-MA	9.525	4.76	4.4	0.8	•	•			
	CNMG120404-MA	12.70	4.76	5.16	0.4	•	•			
	CNMG120408-MA	12.70	4.76	5.16	0.8	•	•			
	CNMG120412-MA	12.70	4.76	5.16	1.2	•	•			

车削刀片

Turning Inserts

A 车削刀片 Turning Inserts

刀片外形 Shape	型 号 Style	基本尺寸 Basic dimension(mm)				牌 号 Grade				
		IC	T	D	R	CD1010	CD1015	CD2010	CD2020	CD4005
	DNMG150404-MA	12.70	4.76	5.16	0.4	•	•			
	DNMG150408-MA	12.70	4.76	5.16	0.8	•	•			
	DNMG150412-MA	12.70	4.76	5.16	1.2	•	•			
	DNMG150604-MA	12.70	6.35	5.16	0.4	•	•			
	DNMG150608-MA	12.70	6.35	5.16	0.8	•	•			
	DNMG150612-MA	12.70	6.35	5.16	1.2	•	•			
	SNMG120404-MA	12.70	4.76	5.16	0.4	•	•			
	SNMG120408-MA	12.70	4.76	5.16	0.8	•	•			
	SNMG120412-MA	12.70	4.76	5.16	1.2	•	•			
	TNMG160404-MA	9.525	4.76	3.91	0.4	•	•			
	TNMG160408-MA	9.525	4.76	3.91	0.8	•	•			
	TNMG160412-MA	9.525	4.76	3.91	1.2	•	•			
	VNMG160404-MA	9.525	4.76	3.81	0.4	•	•			
	VNMG160408-MA	9.525	4.76	3.81	0.8	•	•			
	VNMG160412-MA	9.525	4.76	3.81	1.2	•	•			
	WNMG080404-MA	12.70	4.76	5.16	0.4	•	•			
	WNMG080408-MA	12.70	4.76	5.16	0.8	•	•			
	WNMG080412-MA	12.70	4.76	5.16	1.2	•	•			
	DCMT070202-MV	6.35	2.38	2.8	0.2	•	•			
	DCMT070204-MV	6.35	2.38	2.8	0.4	•	•			
	DCMT070208-MV	6.35	2.38	2.8	0.8	•	•			
	DCMT11T304-MV	9.525	3.97	4.4	0.4	•	•			
	DCMT11T308-MV	9.525	3.97	4.4	0.8	•	•			

车削刀片

Turning Inserts

A 车削刀片 Turning Inserts

刀片外形 Shape	型 号 Style	基本尺寸 Basic dimension(mm)				牌 号 Grade				
		IC	T	D	R	CD1010	CD1015	CD2010	CD2020	CD4005
	TPMH110304-MV	6.35	3.18	3.5	0.4	•	•			
	TPMH110308-MV	6.35	3.18	3.5	0.8	•	•			
	VBMT110304-MV	6.35	3.18	2.81	0.4	•	•			
	VBMT110308-MV	6.35	3.18	2.81	0.8	•	•			
	VBMT160404-MV	9.525	4.76	4.4	0.4	•	•			
	VBMT160408-MV	9.525	4.76	4.4	0.8	•	•			
	TNMG160404-BF	9.525	4.76	3.91	0.4	•	•			
	TNMG160408-BF	9.525	4.76	3.91	0.8	•	•			
										
	WNMG080404-BF	12.70	4.76	5.16	0.4	•	•			
	WNMG080408-BF	12.70	4.76	5.16	0.8	•	•			
										
										
	TNMG160404-MS	9.525	4.76	3.91	0.4	•	•			
	TNMG160408-MS	9.525	4.76	3.91	0.8	•	•			
	WNMG080404-MS	12.70	4.76	5.16	0.4	•	•			
	WNMG080408-MS	12.70	4.76	5.16	0.8	•	•			
	TBMT060102-DP	3.97	1.65	2.30	0.2	•	•			
	TBMT060104-DP	3.97	1.65	2.30	0.4	•	•			

车削刀片

Turning Inserts

A 车削刀片 Turning Inserts

刀片外形 Shape	型 号 Style	基本尺寸 Basic dimension(mm)				牌 号 Grade				
		IC	T	D	R	CD1010	CD1015	CD2010	CD2020	CD4005
	WBMT060102L-DP	3.97	1.65	2.30	0.2	•	•			
	WBMT060104L-DP	3.97	1.65	2.30	0.4	•	•			
	CNMG120404-TM	12.70	4.76	5.16	0.4				•	•
	CNMG120408-TM	12.70	4.76	5.16	0.8				•	•
	CNMG120412-TM	12.70	4.76	5.16	1.2				•	•
									•	•
	DNMG150404-TM	12.70	4.76	5.16	0.4				•	•
	DNMG150408-TM	12.70	4.76	5.16	0.8				•	•
	DNMG150412-TM	12.70	4.76	5.16	1.2				•	•
	DNMG150604-TM	12.70	6.35	5.16	0.4				•	•
	DNMG150608-TM	12.70	6.35	5.16	0.8				•	•
	DNMG150612-TM	12.70	6.35	5.16	1.2				•	•
	SNMG120404-TM	12.70	4.76	5.16	0.4				•	•
	SNMG120408-TM	12.70	4.76	5.16	0.8				•	•
	SNMG120412-TM	12.70	4.76	5.16	1.2				•	•
	TNMG160404-TM	9.525	4.76	3.91	0.4				•	•
	TNMG160408-TM	9.525	4.76	3.91	0.8				•	•
	TNMG160412-TM	9.525	4.76	3.91	1.2				•	•
	VNMG160404-TM	9.525	4.76	3.81	0.4				•	•
	VNMG160408-TM	9.525	4.76	3.81	0.8				•	•
	VNMG160412-TM	9.525	4.76	3.81	1.2				•	•
	WNMG080404-TM	12.70	4.76	5.16	0.4				•	•
	WNMG080408-TM	12.70	4.76	5.16	0.8				•	•
	WNMG080412-TM	12.70	4.76	5.16	1.2				•	•

车削刀片

Turning Inserts

A 车削刀片 Turning Inserts

刀片外形 Shape	型 号 Style	基本尺寸 Basic dimension(mm)				牌 号 Grade				
		IC	T	D	R	CD1010	CD1015	CD2010	CD2020	CD4005
	CNMG120404-43	12.70	4.76	5.16	0.4				•	•
	CNMG120408-43	12.70	4.76	5.16	0.8				•	•
	CNMG120412-43	12.70	4.76	5.16	1.2				•	•
	TNMG160404-43	9.525	4.76	3.91	0.4				•	•
	TNMG160408-43	9.525	4.76	3.91	0.8				•	•
	TNMG160412-43	9.525	4.76	3.91	1.2				•	•
	VNMG160404-43	9.525	4.76	3.81	0.4				•	•
	VNMG160408-43	9.525	4.76	3.81	0.8				•	•
	VNMG160412-43	9.525	4.76	3.81	1.2				•	•
	WNMG080404-43	12.70	4.76	5.16	0.4				•	•
	WNMG080408-43	12.70	4.76	5.16	0.8				•	•
	WNMG080412-43	12.70	4.76	5.16	1.2				•	•
	SNMG120404R-S	12.70	4.76	5.16	0.4				•	•
	SNMG120408R-S	12.70	4.76	5.16	0.8				•	•
	SNMG120404L-S	12.70	4.76	5.16	0.4				•	•
	SNMG120408L-S	12.70	4.76	5.16	0.8				•	•
	TNMG160404R-S	9.525	4.76	3.91	0.4				•	•
	TNMG160408R-S	9.525	4.76	3.91	0.8				•	•
	TNMG160404L-S	9.525	4.76	3.91	0.4				•	•
	TNMG160408L-S	9.525	4.76	3.91	0.8				•	•
	WNMG080404R-S	12.70	4.76	5.16	0.4				•	•
	WNMG080408R-S	12.70	4.76	5.16	0.8				•	•
	WNMG080404L-S	12.70	4.76	5.16	0.4				•	•
	WNMG080408L-S	12.70	4.76	5.16	0.8				•	•

车削刀片

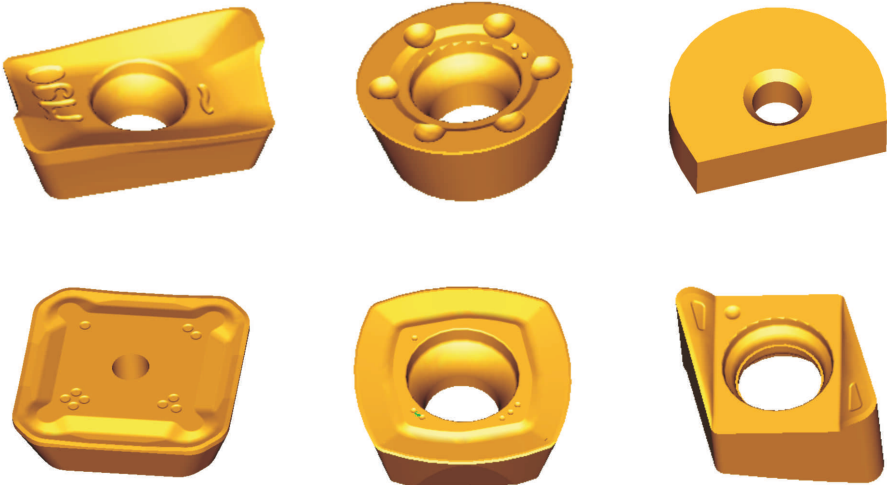
Turning Inserts

A 车削刀片 Turning Inserts

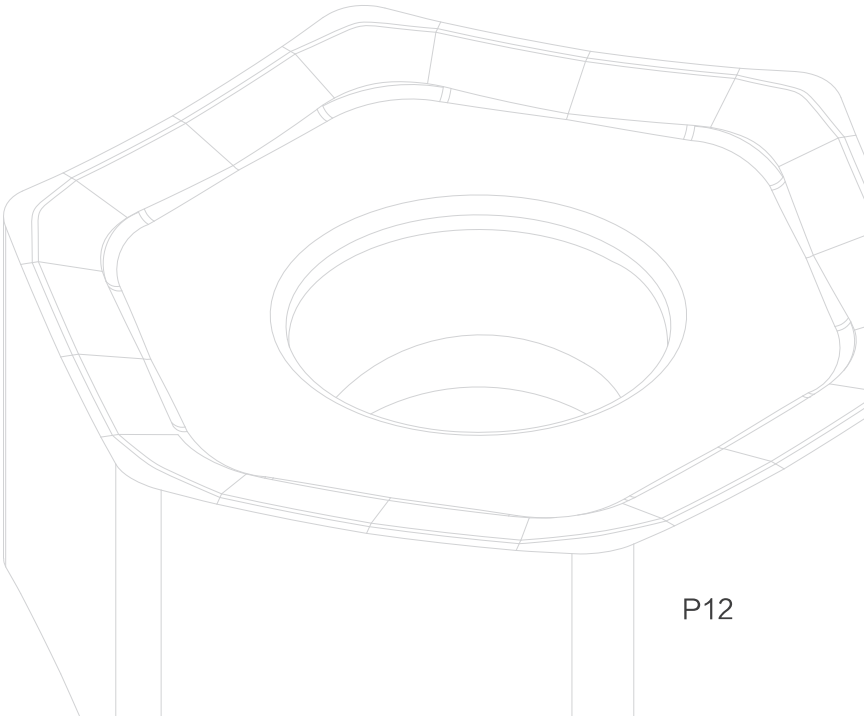
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		IC	T	D	R	CD1010	CD1015	CD2010	CD2020	CD4005
	TNMG160404R-VF	9.525	4.76	3.91	0.4			•		
	TNMG160408R-VF	9.525	4.76	3.91	0.8			•		
	TNMG160404L-VF	9.525	4.76	3.91	0.4			•		
	TNMG160408L-VF	9.525	4.76	3.91	0.8			•		
	WNMG080404R-VF	12.70	4.76	5.16	0.4			•		
	WNMG080408R-VF	12.70	4.76	5.16	0.8			•		
	WNMG080404L-VF	12.70	4.76	5.16	0.4			•		
	WNMG080408L-VF	12.70	4.76	5.16	0.8			•		
	TNMG220404-TC	12.70	4.76	5.16	0.4			•		
	TNMG220408-TC	12.70	4.76	5.16	0.4			•		
	TNMG220412-TC	12.70	4.76	5.16	0.4			•		
	CNMG120408-ZM	12.70	4.76	5.16	0.8					•
	CNMG120412-ZM	12.70	4.76	5.16	1.2					•
	CNMG120416-ZM	12.70	4.76	5.16	1.6					•
	WNMG080408-ZM	12.70	4.76	5.16	0.4					•
	WNMG080412-ZM	12.70	4.76	5.16	0.4					•
	CNMA120412-PB	12.70	4.76	5.16	1.2					•
	CNMA120416-PB	12.70	4.76	5.16	1.6					•
	TNMG220412-GH	12.70	4.76	5.16	1.2					•
	TNMG220416-GH	12.70	4.76	5.16	1.6					•

铣削刀片





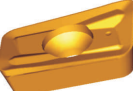

Milling Insert






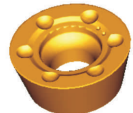


B 铣削刀片 Milling Insert



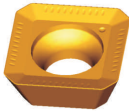





铣削刀片
Milling Insert

刀片外形 Shape	型 号 Style	基本尺寸 Basic dimension(mm)					牌 号 Grade				
		L	W	T	d	r	CD1005	CD1015	CD2010	CD2020	CD4005
	APMT1003PDR-HM90	10.40	6.60	3.50	2.80	0.8	•	•			
	APMT1135PDER-DL	10.83	6.20	3.50	2.80	0.8	•	•			
	APMT1604PDER-DL	16.25	9.27	5.35	4.40	0.8	•	•			
	APMT1135PDER-H2	10.83	6.20	3.50	2.80	0.8	•	•			
	APMT1604PDER-H2	16.25	9.27	4.76	4.40	0.8	•	•			
	APMT1135PDER-M2	10.83	6.20	3.50	2.80	0.8	•	•			
	APMT1604PDER-M2	16.25	9.27	4.76	4.40	0.8	•	•			
	APMT1135PDER-KZ	10.83	6.20	3.50	2.80	0.8	•	•			
	APMT1604PDER-KZ	16.25	9.27	4.76	4.40	0.8	•	•			
	RPMT08T2MOE-JS	/	8.0	2.78	3.25	/	•	•			

铣削刀片
Milling Insert

刀片外形 Shape	型 号 Style	基本尺寸 Basic dimension(mm)					牌 号 Grade				
		L	W	T	d	r	CD1005	CD1015	CD2010	CD2020	CD4005
	RPMW1003MO	/	10.0	3.18	4.40	/	•	•			
	RPMT10T3MOE-JS	/	10.0	3.97	4.40	/	•	•			
	RPMT1204MO-DL	/	12.0	4.76	4.40	/	•	•			
	RDMW1204MOT-A57	/	12.0	4.76	4.40	/	•	•			
	SDMT1205ZDTN-R15	/	12.70	5.56	4.40	1.2	•	•			
	SDMT1505ZDTN-R15	/	15.875	5.56	5.50	1.2	•	•			
	SEKR1203AFTN	/	12.70	3.3	2.5	1.5	•	•			

铣削刀片
Milling Insert

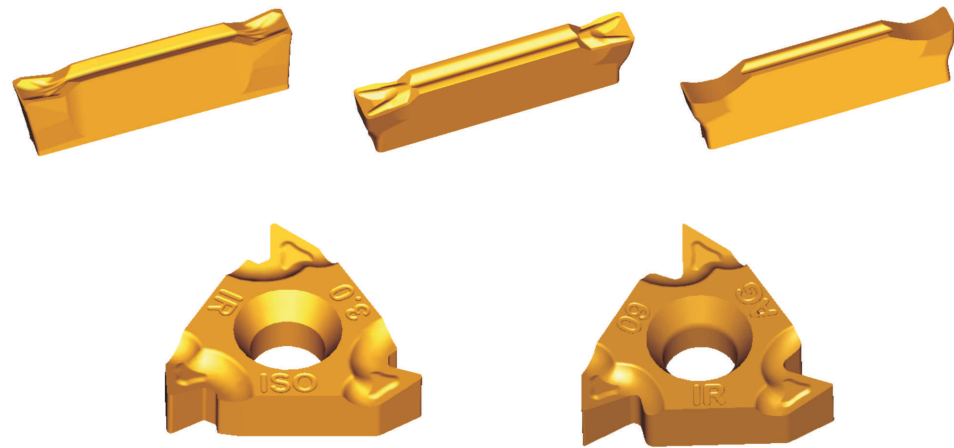
刀片外形 Shape	型 号 Style	基本尺寸 Basic dimension(mm)					牌 号 Grade				
		L	W	T	d	r	CD1005	CD1015	CD2010	CD2020	CD4005
	SEKT1204AFTN	/	12.70	4.76	5.5	0.8	•	•			
	4NKT060308R-M	6.60	6.6	2.75	3.53	0.8	•	•			
	LNMU0303ZER-MJ	11.64	6.0	4.3	2.9	1.2	•	•			
	MPHW060308ZEL	10.13	6.35	3.2	2.9	0.8	•	•			
	SNMU1206ANEN-GM	/	12.7	5.85	5.85	0.8	•	•			
	WNMU080608EN-GM	/	14.0	8.52	6.2	0.8	•	•			

铣削刀片
Milling Insert

刀片外形 Shape	型 号 Style	基本尺寸 Basic dimension(mm)					牌 号 Grade				
		L	W	T	d	r	CD1005	CD1015	CD2010	CD2020	CD4005
	XNMU070508-F57	/	14.5	5.36	4.0	0.8	•	•			
	BNM-16R8	/	12	4	4	/	•	•			

螺纹 / 切槽 / 切断

Threading Inserts Parting & Grooving Inserts



螺纹切槽切断 Threading Inserts Parting & Grooving Inserts

螺纹 / 切槽 / 切断


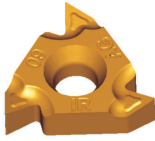

Threading Inserts Parting & Grooving Inserts

刀片外形 Shape	型 号 Style	基本尺寸 Basic dimension(mm)				牌 号 Grade				
		L	W	d	r	CD1005	CD1015	CD2010	CD2020	CD4005
	MGMN150-G	16.0	1.5	1.2	0.15	•	•			
	MGMN200-G	16.0	2.0	1.6	0.2	•	•			
	MGMN250-G	18.5	2.5	2	0.2	•	•			
	MGMN200-H	16.0	2.0	1.6	0.2	•	•			
	MGMN300-H	21.0	3.0	2.35	0.4	•	•			
	MGMN400-H	21.0	4.0	3.3	0.4	•	•			
	MGMN500-H	26.0	5.0	4.1	0.8	•	•			
	MGMN200-T	16.0	2.0	1.6	0.2	•	•			
	MGMN300-T	21.0	3.0	2.35	0.4	•	•			
	MGMN400-T	21.0	4.0	3.3	0.4	•	•			
	MGMN300-M	21.0	3.0	2.35	0.4	•	•			
	MGMN400-M	21.0	4.0	3.3	0.4	•	•			
	MGMN500-M	26.0	5.0	4.1	0.8	•	•			
	MGMN600-M	26.0	6.0	5	0.8	•	•			
	MGGN300-JMH	21.0	3.0	2.35	0.4	•	•			
	MGGN400-JMH	21.0	4.0	3.3	0.4	•	•			
						•	•			

螺纹切槽切断 Threading Inserts Parting & Grooving Inserts

螺纹 / 切槽 / 切断

Threading Inserts Parting & Grooving Inserts

刀片外形 Shape	型 号 Style	基本尺寸 Basic dimension(mm)			牌 号 Grade				
		IC	T	d	CD1005	CD1015	CD2010	CD2020	CD4005
	16IR1.5	9.525	3.5	4.0	•	•			
	16ER1.5	9.525	3.5	4.0	•	•			
	16IR2.0	9.525	3.5	4.0	•	•			
	16ER2.0	9.525	3.5	4.0	•	•			
	16IR3.0	9.525	3.5	4.0	•	•			
	16ER3.0	9.525	3.5	4.0	•	•			
	16IRAG55	9.525	3.5	4.0	•	•			
	16ERAG55	9.525	3.5	4.0	•	•			
	16IRAG60	9.525	3.5	4.0	•	•			
	16ERAG60	9.525	3.5	4.0	•	•			
	16IR11W	9.525	3.5	4.0	•	•			
	16ER11W	9.525	3.5	4.0	•	•			
	16IR14W	9.525	3.5	4.0	•	•			
	16ER14W	9.525	3.5	4.0	•	•			

C 螺纹切断切槽 Threading Inserts Parting & Grooving Inserts




钻削刀片

Drilling Inserts



D 钻型刀片 Drilling Inserts

钻削刀片
Drilling Inserts

刀片外形 Shape	型 号 Style	基本尺寸 Basic dimension(mm)				牌 号 Grade				
		IC	T	d	r	CD1005	CD1015	CD2010	CD2020	CD4005
	WCMX030208FN	5.56	2.38	2.8	0.8	•	•			
	WCMX040208FN	6.35	2.38	3.1	0.8	•	•			
	WCMX050308FN	7.94	3.38	3.2	0.8	•	•			
	WCMX06T308FN	9.525	4.17	3.7	0.8	•	•			
	WCMX080412FN	12.7	4.96	4.3	1.2	•	•			
	SPMG050204	5.0	2.38	2.35	0.4	•	•			
	SPMG060204	6.0	2.38	2.6	0.4	•	•			
	SPMG07T308	7.94	3.97	2.8	0.8	•	•			
	SPMG090408	9.8	4.45	4.0	0.8	•	•			
	SPMG120408	12.70	4.76	5.6	0.8	•	•			
	TPMX0902RB	7.55	2.34	2.8	0.4	•	•			
	TPMX1403RB	8.45	3.5	2.8	0.8	•	•			
	TPMX1704RB	10.3	4.0	3.9	0.8	•	•			
	TPMX2204RB	12.25	4.4	4.25	1.0	•	•			
	TPMX2405RB	14.2	5.5	4.35	1.2	•	•			
	TPMX2807RB	17.0	7.5	5.5	1.6	•	•			

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