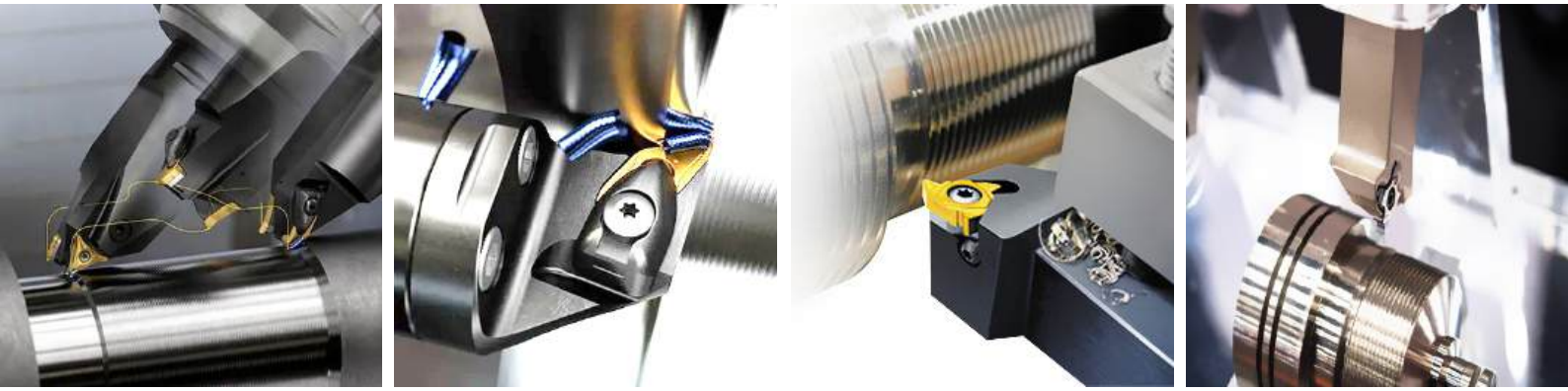


金属切削刀具

Indexable Cutting Tools



公司简介

Company's Profile

惠州市明锐精密工具有限公司是一家硬质合金切削刀具、金属陶瓷切削刀具的专业厂商。集研发，生产制造及销售一体，拥有自主品牌的高新技术企业。公司成立于2009年2月，广东东莞，浙江温岭，江苏昆山设有销售子公司。2020年11月成立江西明锐特种合金有限公司，并于2022年10月建成投产。

Huizhou Mingrui Precision Tools Co., Ltd is a professional manufacturer of cemented carbide inserts and cermet inserts which is a high-tech enterprise with its own brand, integrating R&D, manufacturing and sales. Huizhou Mingrui Tools was founded in Feb, 2009, with subsidiaries in Dongguan, Wenling, and Kunshan. Jiangxi Mingrui was founded in Nov, 2020, and went operation in Oct, 2022.

我司生产的硬质合金与金属陶瓷刀具产品广泛用于高端装备制造，模具，数码产品结构件与外购件，汽车零部件，医疗设备，体育设施，航空航天器材，船舶零部件，石油管道，军工配套等行业。

Our cemented carbide and ceramic cutting tools are widely used in high-end equipment manufacturing, molds, digital product structures and purchased parts, automotive parts, medical equipment, sports facilities, aerospace equipment, marine parts, oil pipelines, military supporting industries.

公司拥有喷雾制粒，低压烧结，高精度3R模具成型，全自动刀片，刀具研磨加工中心以及材料硬度，密度，强度，高清金相，UMT-3摩擦磨损试验机，高精度外观尺寸检测仪等全套高端检测设备。公司齐聚一批有着跨国视野的高素质管理团队。并长期保持与世界一流工艺技术的跨国企业及南昌大学，中南大学，湖南粉末冶金院等高等院校合作。通过多年研发，不断开发多种新产品，并获得了多项专利，公司通过了GB/T19001-2008质量管理体系。2019年被评定为高新技术企业。“明锐尚方”品牌也已成为刀具行业的知名品牌。

The company has spray granulation column, low-pressure sintering furnace, high-precision 3R mold forming machine, automatic blade machine, tool grinding and processing center, as well as a full set of high-end testing equipment such as material hardness, density, strength, high-definition metallography, UMT-3 friction and wear testing machine, high-precision appearance and size inspection instrument. The company has a group of high quality management team with international vision. We have been cooperating with the world's first-class multinational enterprises and universities such as Nanchang University, Central South University, Hunan Institute of Powder Metallurgy and so on. Through years of research and development, we continue to develop a variety of new products and obtain a number of patents, and the company passed the GB/T19001-2008 quality management system. 2019 was assessed as a high-tech enterprise. "Mingrui Sunfom" brand has also become a well-known brand in the tool industry.

公司秉承“诚实·精细·自省”的企业文化，遵循质量第一，信誉第一的经营宗旨和客户至上，精诚合作的发展理念。立足根本，放眼未来，不断优化企业管理，提高产品质量，积极打造极具特色的切削刀具。努力以最优良的品质和完善的售后服务，为广大用户提供高品质的产品，热忱欢迎新老客户光临洽谈合作，携手双赢共创美好未来。

The company adheres to the principle of "Honest, exquisite, Self-reflection" corporate culture, follow the quality first, reputation first business purposes and customer first, sincere cooperation development philosophy. Base on the fundamentals, look to the future, and constantly optimize enterprise management, improve product quality, and actively create a very distinctive cutting tools. Efforts to the most excellent quality and perfect after-sales service, to provide the majority of users with high-quality products, warmly welcome new and old customers to negotiate cooperation, win-win situation and create a better future together.





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A 铝合金加工刀片 Indexable cutting insert for aluminum

05-06.....	铝用车削加工刀片 Aluminum Turning Insert
07.....	SL槽型铝用加工刀片 Aluminum SL Grooved inserts
08.....	铝用铣削刀片 Aluminum Milling Insert
09.....	铝用切槽切断加工刀片 Aluminum Parting & Grooving Insert
10.....	铝合金轮毂加工刀片 Inserts for aluminum wheel hub
11.....	铝用内孔加工刀片 Aluminum Boring Insert
12.....	铝用螺纹刀片 Threading Insert for Aluminum

B 车削刀片 Indexable Milling Insert

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16.....	通用型加工可转位刀片 Turning Insert for General
17.....	通用型加工可转位刀片 (TF) Turning Insert for General
18.....	钢件车削可转位刀片 (HQ) Turning Insert for Steel
19.....	不锈钢车削可转位刀片 (HQ) Turning Insert for Stainless Steel
20.....	钢件车削可转位刀片 (TM) Turning Insert for Steel
21.....	钢件车削可转位刀片 (SG) Turning Insert for Steel
22.....	钢件车削可转位刀片 (MT) Turning Insert for Steel
23.....	钢件车削可转位刀片 (PM) Turning Insert for Steel
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25.....	不锈钢、高温合金车削可转位刀片 (SL) Stainless steel, high-temperature alloy turning indexable inserts

C 小零件、螺纹加工刀片 Indexable Turning、Threading Insert

27-28.....	小零件车削可转位刀片 Small Parts Cutting Insert
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36.....	倒角车削可转位刀片 Chamfer turning indexable inserts

D 铣削刀片 Indexable Milling Insert

38-40.....	铣削用可转位刀片 Indexable Milling Insert
41.....	内快进给铣削加工刀片 Fast feed milling inserts
42.....	仿形精加工刀片 Ball shape milling inserts

E 金属陶瓷刀片 Cermet Cutting Insert

44-51.....	金属陶瓷车削用可转位刀片 Cermet Turning Insert
52.....	金属陶瓷切槽、切断用可转位刀片 Cermet Grooving & Parting Insert
53.....	金属陶瓷螺纹车削用可转位刀片 Cermet Threading Insert
54-55.....	金属陶瓷小零件车削可转位刀片 Small Parts Cutting Insert
56.....	金属陶瓷内孔可旋转加工刀片 Grooving Boring Insert
57-58.....	金属陶瓷铣削可转位刀片 Cermet Milling Insert
58.....	轴承加工刀片 Bearing Processing Insert
59.....	金刚石刀片基体 Carbide Base

F 立铣刀 End Mills

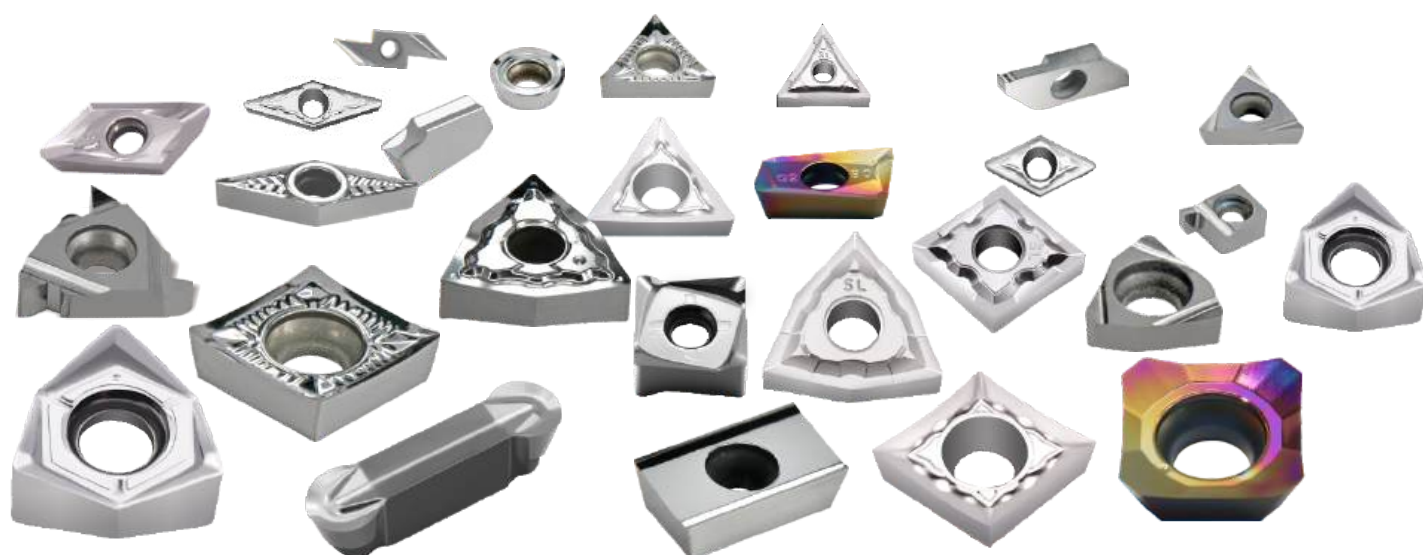
60.....	整体金属陶瓷立铣刀 Cermet End Mills
61.....	标准高光铝用立铣刀 Standard High Gloss Aluminum End Mills
62.....	标准HRC55立铣刀 Standard HRC55 End Mills
63.....	标准HRC65立铣刀 Standard HRC65 End Mills

G 硬质合金、金属陶瓷材料 Hard alloy, metal ceramic material

64.....	硬质合金、金属陶瓷圆棒 Hard alloy, metal ceramic Bar
65.....	硬质合金、金属陶瓷管材 Hard alloy, metal ceramic Tube
66.....	硬质合金、金属陶瓷长条 Hard alloy, metal ceramic Strips

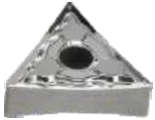
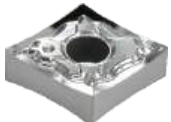
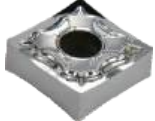
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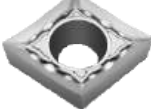
67.....	材质代码对照表 Code Specification
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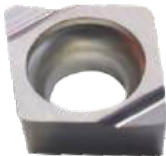
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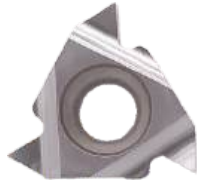
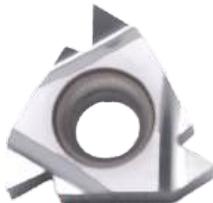
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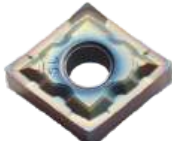
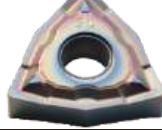
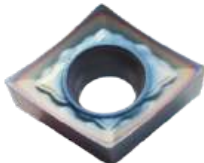
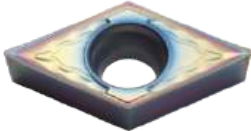
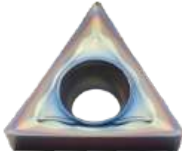
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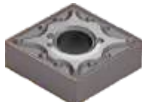
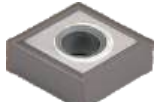
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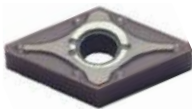
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✓	TPGH090204L-FS			M03-Z	
✓	TPGH110302L-FS			M03-Z	
✓	TPGH110304L-FS			M03-Z	
✓	CCGT040102-F			M03-Z	
✓	CCGT040104-F			M03-Z	
✓	CCGT030102-F			M03-Z	
✓	CCGT030104-F			M03-Z	

规格及型号		材质			示意图
✓	MMT16ER AG60			M01	
✓	MMT16ER AG55			M01	
✓	MMT16ER ISO100			M01	
✓	MMT16ER ISO125			M01	
✓	MMT16ER ISO150			M01	
✓	MMT16ER ISO175			M01	
✓	MMT16ER ISO200			M01	
✓	MM16EER ISO225			M01	
✓	MMT16ER ISO250			M01	
✓	MMT16ER ISO275			M01	
✓	MMT16ER ISO300			M01	
✓	MMT16ER ISO11W			M01	
✓	MMT16ER ISO14W			M01	
✓	MMT16ER ISO17W			M01	
✓	MMT16ER ISO19W			M01	
✓	MMT11ER A55			M01	
✓	MMT11ER A60			M01	
✓	MMT11ER ISO100			M01	
✓	MMT11ER ISO150			M01	
✓	MMT11ER ISO200			M01	
✓	MMT16IR AG60			M01	
✓	MMT16IR AG55			M01	
✓	MMT16IR ISO100			M01	
✓	MMT16IR ISO125			M01	
✓	MMT16IR ISO150			M01	
✓	MMT16IR ISO175			M01	
✓	MMT16IR ISO200			M01	
✓	MMT16IR ISO225			M01	
✓	MMT16IR ISO250			M01	
✓	MMT16IR ISO275			M01	
✓	MMT16IR ISO300			M01	
✓	MMT16IR ISO11W			M01	
✓	MMT16IR ISO14W			M01	
✓	MMT16IR ISO17W			M01	
✓	MMT16IR ISO19W			M01	
✓	MMT11IR A55			M01	
✓	MMT11IR A60			M01	
✓	MMT11IR ISO100			M01	
✓	MMT11IR ISO150			M01	
✓	MMT11IR ISO200			M01	



规格及型号		材质			示意图
✓	TNMG160402-SL	TC9366			
✓	TNMG160404-SL	TC9366			
✓	TNMG160408-SL	TC9366			
✓	CNMG120404-SL	TC9366			
✓	CNMG120408-SL	TC9366			
✓	WNMG080404-SL	TC9366			
✓	WNMG080408-SL	TC9366			
✓	CCMT060202-SL	TC9366			
✓	CCMT060204-SL	TC9366			
✓	CCMT060208-SL	TC9366			
✓	CCMT09T304-SL	TC9366			
✓	CCMT09T308-SL	TC9366			
✓	CCMT120404-SL	TC9366			
✓	CCMT120408-SL	TC9366			
✓	DCMT070202-SL	TC9366			
✓	DCMT070204-SL	TC9366			
✓	DCMT070208-SL	TC9366			
✓	DCMT11T304-SL	TC9366			
✓	DCMT11T308-SL	TC9366			
✓	VCMT110304-SL	TC9366			
✓	VCMT110408-SL	TC9366			
✓	VBMT160404-SL	TC9366			
✓	VBMT160408-SL	TC9366			
✓	TCMT16T304-SL	TC9366			
✓	TCMT16T308-SL	TC9366			
✓	TCMT110202-SL	TC9366			
✓	TCMT110204-SL	TC9366			
✓	TCMT110208-SL	TC9366			
✓	TCMT090202-SL	TC9366			
✓	TCMT090204-SL	TC9366			

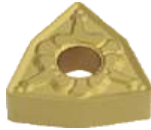
规格及型号		材质	示意图
✓	TNMG160404MA VP	TC9120	
✓	TNMG160408MA VP	TC9120	
✓	CNMG120404MA VP	TC9120	
✓	CNMG120408MA VP	TC9120	
✓	WNMG080404MA VP	TC9120	
✓	WNMG080408MA VP	TC9120	
✓	SNMG120404MA VP	TC9120	
✓	SNMG120408MA VP	TC9120	
✓	VNMG160404MA VP	TC9120	
✓	VNMG160408MA VP	TC9120	
✓	TNMG160404MS VP	TC9120	
✓	TNMG160408MS VP	TC9120	
✓	CNMG120404MS VP	TC9120	
✓	CNMG120408MS VP	TC9120	
✓	WNMG080404MS VP	TC9120	
✓	WNMG080408MS VP	TC9120	
○	VBMT160404 VP	TC9120	
○	VBMT160408 VP	TC9120	
✓	VCMT160404 VP	TC9120	
✓	VCMT160408 VP	TC9120	
✓	TCMT16T304 VP	TC9120	
✓	TCMT16T308 VP	TC9120	
○	TCMT110202 VP	TC9120	
✓	TCMT110204 VP	TC9120	

规格及型号		材质	示意图
✓	DCMT11T304 VP	TC9120	
✓	DCMT11T308 VP	TC9120	
○	DCMT070202 VP	TC9120	
✓	DCMT070204 VP	TC9120	
✓	CCMT120404 VP	TC9120	
✓	CCMT120408 VP	TC9120	
✓	CCMT09T304 VP	TC9120	
✓	CCMT09T308 VP	TC9120	
○	CCMT060204 VP	TC9120	
✓	CCMT060208 VP	TC9120	
✓	DNMG150404MA VP	TC9120	
✓	DNMG150408MA VP	TC9120	
✓	DNMG150604MA VP	TC9120	
✓	DNMG150608MA VP	TC9120	

规格及型号		材质	示意图
✓	TNMG220404 TF	TC9150	
✓	TNMG220408 TF	TC9150	
✓	TNMG160404 TF	TC9150	
✓	TNMG160408 TF	TC9150	
✓	WNMG080404 TF	TC9150	
✓	WNMG080408 TF	TC9150	
✓	CNMG120404 TF	TC9150	
✓	CNMG120408 TF	TC9150	
✓	DNMG150604 TF	TC9150	
✓	DNMG150608 TF	TC9150	
✓	CCMT060204 SM	TC9150	
✓	CCMT09T304 SM	TC9150	
✓	CCMT09T308 SM	TC9150	
✓	DCMT11T304 SM	TC9150	
✓	DCMT11T308 SM	TC9150	
✓	DCMT070204 SM	TC9150	
✓	APKT1604PDR-76	TC9150	
✓	HM90 APKT1003PDR	TC9150	

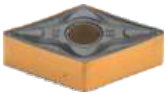
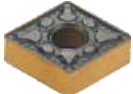
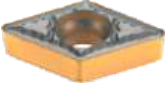
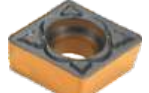
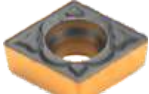
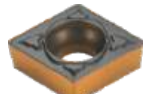
规格及型号		材质		示意图
✓	TNMG160404HQ CA	TC9170	TC9180	
✓	TNMG160408HQ CA	TC9170	TC9180	
✓	CNMG120404HQ CA	TC9170	TC9180	
✓	CNMG120408HQ CA	TC9170	TC9180	
✓	WNMG080404HQ CA	TC9170	TC9180	
✓	WNMG080408HQ CA	TC9170	TC9180	
✓	DCMT11T304HQ CA	TC9170	TC9180	
✓	DCMT11T308HQ CA	TC9170	TC9180	
✓	DCMT070204HQ CA	TC9170	TC9180	
✓	CCMT09T304HQ CA	TC9170	TC9180	
✓	CCMT09T308HQ CA	TC9170	TC9180	
✓	CCMT060204HQ CA	TC9170	TC9180	
✓	VBMT110304HQ CA	TC9170	TC9180	
✓	VNMG160404HQ CA	TC9170	TC9180	
✓	VNMG160408HQ CA	TC9170	TC9180	
✓	VBMT160404HQ CA	TC9170	TC9180	
✓	TCMT110204HQ CA	TC9170	TC9180	
✓	TCMT110208HQ CA	TC9170	TC9180	
✓	TPMT110304HQ CA	TC9170	TC9180	
✓	TPMT110308HQ CA	TC9170	TC9180	
✓	TCMT090204HQ CA	TC9170	TC9180	
✓	TCMT16T304HQ CA	TC9170	TC9180	
✓	TCMT16T308HQ CA	TC9170	TC9180	

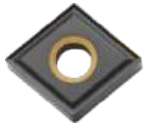
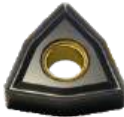
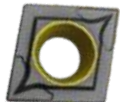
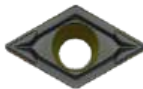
规格及型号		材质	示意图
✓	TNMG160404HQ PR9	TC9130	
✓	TNMG160408HQ PR9	TC9130	
✓	CNMG120404HQ PR9	TC9130	
✓	CNMG120408HQ PR9	TC9130	
✓	WNMG080404HQ PR9	TC9130	
✓	WNMG080408HQ PR9	TC9130	
✓	DCMT11T304HQ PR9	TC9130	
✓	DCMT11T308HQ PR9	TC9130	
✓	DCMT070204HQ PR9	TC9130	
✓	CCMT09T304HQ PR9	TC9130	
✓	CCMT09T308HQ PR9	TC9130	
✓	CCMT060204HQ PR9	TC9130	
✓	VBMT110304HQ PR9	TC9130	
✓	VNMG160404HQ PR9	TC9130	
✓	VNMG160408HQ PR9	TC9130	
✓	VBMT160404HQ PR9	TC9130	
✓	TCMT110204HQ PR9	TC9130	
✓	TCMT110208HQ PR9	TC9130	
✓	TPMT110304HQ PR9	TC9130	
✓	TPMT110308HQ PR9	TC9130	
✓	TCMT090204HQ PR9	TC9130	
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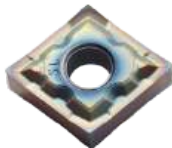
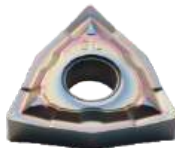
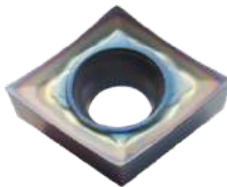
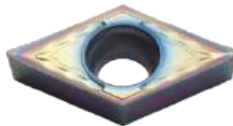
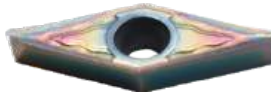
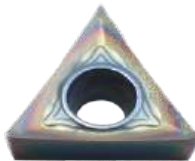
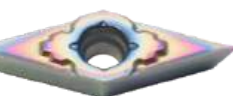
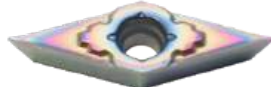
规格及型号		材质			示意图
		TC9170	TC9180		
✓	TNMG160404-TM	✓	✓		
✓	TNMG160404-TM	✓	✓		
✓	TNMG160412-TM	✓			
✓	CNMG120404-TM	✓	✓		
✓	CNMG120408-TM	✓	✓		
✓	WNMG080404-TM	✓	✓		
✓	WNMG080408-TM	✓	✓		
✓	WNMG080412-TM	✓			
✓	VNMG160404-TM	✓	✓		
✓	VNMG160408-TM	✓	✓		
✓	DNMG150604-TM	✓	✓		
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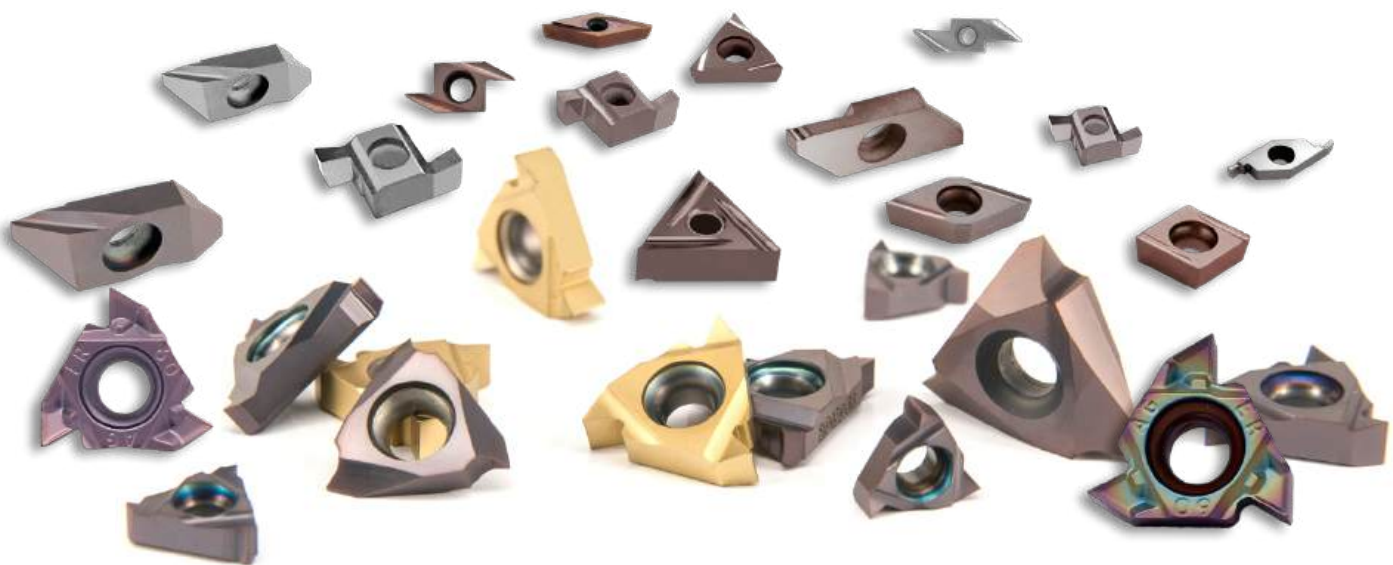
规格及型号		材质	示意图
✓	WNMG080404R-SG	TC9170	
✓	WNMG080408R-SG	TC9170	
✓	WNMG080404L-SG	TC9170	
✓	WNMG080408L-SG	TC9170	
✓	WNMG080404R-SG	TC9150	
✓	WNMG080408R-SG	TC9150	
✓	WNMG080404L-SG	TC9150	
✓	WNMG080408L-SG	TC9150	
✓	TNMG160404R-S	TE9170	
✓	TNMG160408R-S	TE9170	
✓	TNMG160404L-S	TE9170	
✓	TNMG160408L-S	TE9170	

规格及型号		材质			示意图
		TC9170	TC9180		
✓	TNMG160404-MT	✓	✓		
✓	TNMG160408-MT	✓	✓		
✓	CNMG120404-MT	✓	✓		
✓	CNMG120408-MT	✓	✓		
✓	WNMG080404-MT	✓	✓		
✓	WNMG080408-MT	✓	✓		
✓	VNMG160404-MT	✓	✓		
✓	VNMG160408-MT	✓	✓		
✓	DNMG150604-MT	✓	✓		
✓	DNMG150608-MT	✓	✓		
✓	CCMT060204-MT	✓	✓		
✓	CCMT060208-MT	✓	✓		
✓	CCMT09T304-MT	✓	✓		
✓	CCMT09T308-MT	✓	✓		
✓	CCMT120404-MT	✓	✓		
✓	CCMT120408-MT	✓	✓		
✓	DCMT11T304-MT	✓	✓		
✓	DCMT11T308-MT	✓	✓		
✓	VBMT160404-MT	✓	✓		
✓	VBMT160408-MT	✓	✓		
✓	TCMT110204-MT	✓	✓		
✓	TCMT16T304-MT	✓	✓		
✓	TCMT16T308-MT	✓	✓		

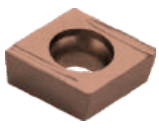
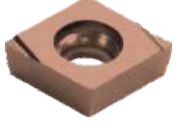
规格及型号		材质	示意图
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○	DNMG150608 PM	TC4225	
○	TNMG220404 PM	TC4225	
○	TNMG220408 PM	TC4225	
○	TNMG160404 PM	TC4225	
○	TNMG160408 PM	TC4225	
○	CNMG120404 PM	TC4225	
○	CNMG120408 PM	TC4225	
○	WNMG080404 PM	TC4225	
○	WNMG080408 PM	TC4225	
○	TCMT16T304 PM	TC4225	
○	TCMT16T308 PM	TC4225	
○	WNMG060404 PM	TC4225	
○	DCMT11T304 PM	TC4225	
○	DCMT11T308 PM	TC4225	
○	DCMT070204 PM	TC4225	
○	CCMT09T304 PM	TC4225	
○	CCMT09T308 PM	TC4225	
○	CCMT060204 PM	TC4225	
○	CCMT120404 PM	TC4225	
○	CCMT120408 PM	TC4225	
○	R390-11T308	TC9110	

规格及型号		材质	示意图
✓	TNMG160404 UC	TE9150T	
✓	TNMG160408 UC	TE9150T	
✓	TNMG160412 UC	TE9150T	
✓	CNMG120404 UC	TE9150T	
✓	CNMG120408 UC	TE9150T	
✓	CNMG120412 UC	TE9150T	
✓	WNMG080404 UC	TE9150T	
✓	WNMG080408 UC	TE9150T	
✓	WNMG080412 UC	TE9150T	
✓	VNMG160404 UC	TE9150T	
✓	VNMG160408 UC	TE9150T	
✓	CCMT120404 UC	TE9150T	
✓	CCMT120408 UC	TE9150T	
✓	CCMT09T304 UC	TE9150T	
✓	CCMT09T308 UC	TE9150T	
✓	CCMT060204 UC	TE9150T	
✓	DCMT11T304 UC	TE9150T	
✓	DCMT11T308 UC	TE9150T	
✓	DCMT070204 UC	TE9150T	
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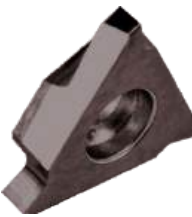
规格及型号		材质			示意图
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✓	TNGG160402-SL	TC9366			
✓	TNGG160404-SL	TC9366			
✓	TNGG160408-SL	TC9366			
✓	CNGG120404-SL	TC9366			
✓	CNGG120408-SL	TC9366			
✓	WNGG080404-SL	TC9366			
✓	WNGG080408-SL	TC9366			
✓	CCGT060201-SL	TC9366			
✓	CCGT060202-SL	TC9366			
✓	CCGT060204-SL	TC9366			
✓	CCGT09T302-SL	TC9366			
✓	CCGT09T304-SL	TC9366			
✓	CCGT09T308-SL	TC9366			
✓	CCGT120404-SL	TC9366			
✓	CCGT120408-SL	TC9366			
✓	DCGT070201-SL	TC9366			
✓	DCGT070202-SL	TC9366			
✓	DCGT070204-SL	TC9366			
✓	DCGT11T302-SL	TC9366			
✓	DCGT11T304-SL	TC9366			
✓	DCGT11T308-SL	TC9366			
✓	VCGT110301-SL	TC9366			
✓	VCGT110302-SL	TC9366			
✓	VCGT110304-SL	TC9366			
✓	VBGT160402-SL	TC9366			
✓	VBGT160404-SL	TC9366			
✓	VBGT160408-SL	TC9366			
✓	TCGT16T304-SL	TC9366			
✓	TCGT16T308-SL	TC9366			
✓	TCGT110202-SL	TC9366			
✓	TCGT110204-SL	TC9366			
✓	TCGT090202-SL	TC9366			
✓	TCGT090204-SL	TC9366			
✓	VPGT110301-CK	TC9366			
✓	VPGT110302-CK	TC9366			
✓	VPGT110304-CK	TC9366			



规格及型号		材质			示意图
		TC9130	MR09UF	TC9366	
✓	CTP10FR	✓	✓	✓	
✓	CTP15FR	✓	✓	✓	
✓	CTP10FL	✓	✓	✓	
✓	CTP15FL	✓	✓	✓	
✓	CTPA10FR	✓	✓	✓	
✓	CTPA15FR	✓	✓	✓	
✓	CTPA20FR	✓	✓	✓	
✓	CTPA10FL	✓	✓	✓	
✓	CTPA15FL	✓	✓	✓	
✓	CTPA20FL	✓	✓	✓	
○	TBP60F R/L 00	✓	✓	✓	
✓	TBP60F R/L 10	✓	✓	✓	
✓	TBP60F R/L 20	✓	✓	✓	
✓	TBPA60F R/L VB	✓	✓	✓	
✓	TBPA60F R/L 10M	✓	✓	✓	
○	ABS15R 4005	✓	✓	✓	
✓	ABS15R 4015	✓	✓	✓	
○	ABW23R 5005	✓	✓	✓	
✓	ABW23R 5015	✓	✓	✓	
○	CSVB11F R/L V	✓	✓	✓	
○	CSVB11F R/L V-M	✓	✓	✓	
○	CSVB11F R/L V	✓	✓	✓	
○	CSVC11F R/L V07	✓	✓	✓	
✓	CSVC11F R/L V10	✓	✓	✓	
✓	CSVC11F R/L V15	✓	✓	✓	
○	CSVG11F R/L V025	✓	✓	✓	
○	CSVG11F R/L V030	✓	✓	✓	
○	CSVG11F R/L V040	✓	✓	✓	
✓	CSV11F R/L P60-035A	✓	✓	✓	
✓	CSV11F R/L P60-035B	✓	✓	✓	

规格及型号		材质			示意图
		TC9130	MR09UF	TC9366	
✓ DCGT11T301 R/L-U		✓	✓	✓	
✓ DCGT11T302 R/L-U		✓	✓	✓	
✓ DCGT11T304 R/L-U		✓	✓	✓	
✓ DCGT070201 R/L-U		✓	✓	✓	
✓ DCGT070202 R/L-U		✓	✓	✓	
✓ DCGT070204 R/L-U		✓	✓	✓	
✓ DCGT11T301 R/L-F		✓	✓	✓	
✓ DCGT11T302 R/L-F		✓	✓	✓	
✓ DCGT11T304 R/L-F		✓	✓	✓	
✓ DCGT070201 R/L-F		✓	✓	✓	
✓ DCGT070202 R/L-F		✓	✓	✓	
✓ DCGT070204 R/L-F		✓	✓	✓	
✓ CCGT09T301 R/L-U		✓	✓	✓	
✓ CCGT09T302 R/L-U		✓	✓	✓	
✓ CCGT09T304 R/L-U		✓	✓	✓	
✓ CCGT060201 R/L-U		✓	✓	✓	
✓ CCGT060202 R/L-U		✓	✓	✓	
✓ CCGT060204 R/L-U		✓	✓	✓	
✓ CCGT040101 R/L-U		✓	✓	✓	
✓ CCGT040102 R/L-U		✓	✓	✓	
✓ CCGT040104 R/L-U		✓	✓	✓	
✓ CCGT030101 R/L-U		✓	✓	✓	
✓ CCGT030102 R/L-U		✓	✓	✓	
✓ CCGT030104 R/L-U		✓	✓	✓	
✓ CCGT09T301 R/L-F		✓	✓	✓	
✓ CCGT09T302 R/L-F		✓	✓	✓	
✓ CCGT09T304 R/L-F		✓	✓	✓	
✓ CCGT060201 R/L-F		✓	✓	✓	
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✓ CCGT060204 R/L-F		✓	✓	✓	
✓ CCGT040101 R/L-F		✓	✓	✓	
✓ CCGT040102 R/L-F		✓	✓	✓	
✓ CCGT040104 R/L-F		✓	✓	✓	
✓ CCGT030101 R/L-F		✓	✓	✓	
✓ CCGT030102 R/L-F		✓	✓	✓	
✓ CCGT030104 R/L-F		✓	✓	✓	
○ VBGT110301 R/L-Y		✓	✓	✓	
✓ VBGT110302 R/L-Y		✓	✓	✓	
✓ VBGT110304 R/L-Y		✓	✓	✓	
✓ VBGT110301 R/L-F		✓	✓	✓	
✓ VBGT110302 R/L-F		✓	✓	✓	
✓ VBGT110304 R/L-F		✓	✓	✓	
○ TNGG160401R/L-C PR9		✓	✓	✓	
✓ TNGG160402R/L-C PR9		✓	✓	✓	
✓ TNGG160404R/L-C PR9		✓	✓	✓	
○ TNGG160401R/L-S PR9		✓	✓	✓	
✓ TNGG160402R/L-S PR9		✓	✓	✓	
✓ TNGG160404R/L-S PR9		✓	✓	✓	
✓ DCGT070201-CK PR9		✓	✓	✓	
✓ DCGT070202-CK PR9		✓	✓	✓	
✓ VPGT110301-CK PR9		✓	✓	✓	
✓ VPGT110302-CK PR9		✓	✓	✓	

✓ 代表有库存， ○ 代表可定制

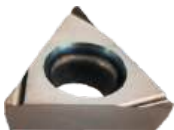
规格及型号		材质	示意图
✓	TGF32R 050 PR9	TC9110	
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✓	TGF32R 065 PR9	TC9110	
✓	TGF32R 070 PR9	TC9110	
✓	TGF32R 075 PR9	TC9110	
✓	TGF32R 080 PR9	TC9110	
✓	TGF32R 085 PR9	TC9110	
✓	TGF32R 090 PR9	TC9110	
✓	TGF32R 095 PR9	TC9110	
✓	TGF32R 100 PR9	TC9110	
✓	TGF32R 105 PR9	TC9110	
✓	TGF32R 110 PR9	TC9110	
✓	TGF32R 115 PR9	TC9110	
✓	TGF32R 120 PR9	TC9110	
✓	TGF32R 125 PR9	TC9110	
✓	TGF32R 130 PR9	TC9110	
✓	TGF32R 135 PR9	TC9110	
✓	TGF32R 140 PR9	TC9110	
✓	TGF32R 145 PR9	TC9110	
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✓	TGF32R 175 PR9	TC9110	
✓	TGF32R 180 PR9	TC9110	
✓	TGF32R 185 PR9	TC9110	
✓	TGF32R 190 PR9	TC9110	
✓	TGF32R 195 PR9	TC9110	
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✓	TGF32R 210 PR9	TC9110	
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✓	TGF32R 270 PR9	TC9110	
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✓	TGF32R 290 PR9	TC9110	
✓	TGF32R 295 PR9	TC9110	
✓	TGF32R 300 PR9	TC9110	
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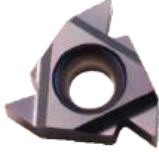
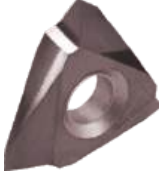
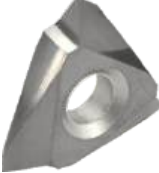
✓ 代表有库存，○代表可定制

规格及型号	材质	示意图
✓ 7GR 100 -005 NS	TC9150	
✓ 7GR 150-010 NS	TC9150	
✓ 7GR 200-020 NS	TC9150	
✓ 8GR 100-005 NS	TC9150	
✓ 8GR 150-010 NS	TC9150	
✓ 8GR 200-020 NS	TC9150	
✓ 9GR 100-005 NS	TC9150	
✓ 9GR 150-010 NS	TC9150	
✓ 9GR 200-020 NS	TC9150	
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○ GER 150-010A	TC9150	
○ GER 200-010A	TC9150	
○ GER 100-005B	TC9150	
○ GER 150-010B	TC9150	
○ GER 200-010B	TC9150	
○ GER 250-020B	TC9150	
○ GER 100-005C	TC9150	
○ GER 150-010C	TC9150	
○ GER 200-010C	TC9150	
○ GER 300-020C	TC9150	
○ GER 100-005D	TC9150	
○ GER 150-010D	TC9150	
○ GER 200-010D	TC9150	
○ GER 350-020D	TC9150	
○ GER 150-010E	TC9150	
○ GER 200-010E	TC9150	
○ GER 250-010E	TC9150	
○ GER 300-010E	TC9150	
○ GER 400-010E	TC9150	
✓ T16N100	TC9110	
✓ T16N150	TC9110	
✓ T16N200	TC9110	
✓ T16N250	TC9110	
✓ T11N100	TC9110	
✓ T11N150	TC9110	
✓ T11N200	TC9110	
✓ T16E100	TC9110	
✓ T16E150	TC9110	
✓ T16E200	TC9110	
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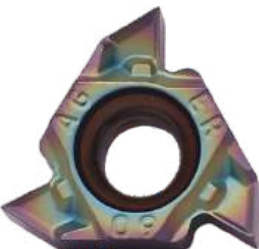
✓ 代表有库存， ○代表可定制

规格及型号		材质	示意图
✓	MGMN150-G NC	TC9170	
✓	MGMN200-G NC	TC9170	
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✓	MGMN400-M NC	TC9170	
✓	MGMN500-M NC	TC9170	
✓	MGMN150-G PC	TC9135	
✓	MGMN200-G PC	TC9135	
✓	MGMN250-G PC	TC9135	
✓	MGMN300-M PC	TC9135	
✓	MGMN400-M PC	TC9135	
✓	MGMN500-M PC	TC9135	
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✓	MGGN200-G PC	TC9135	
✓	MGGN250-G PC	TC9135	
✓	MGGN300-M PC	TC9135	
✓	MGGN400-M PC	TC9135	
✓	MGGN500-M PC	TC9135	
✓	SP200 PC	TC9135	
✓	SP300 PC	TC9135	
✓	SP400 PC	TC9135	
✓	SP200 NC	TC9170	
✓	SP300 NC	TC9170	
✓	SP400 NC	TC9170	

规格及型号		材质	示意图
✓	TPGH060102L-FS	TC9130	
✓	TPGH060104L-FS	TC9130	
✓	TPGH080202L-FS	TC9130	
✓	TPGH080204L-FS	TC9130	
✓	TPGH090202L-FS	TC9130	
✓	TPGH090204L-FS	TC9130	
✓	TPGH110302L-FS	TC9130	
✓	TPGH110304L-FS	TC9130	
✓	WBG020101	TC9130	
✓	WBG020102	TC9130	
✓	WBG020104	TC9130	
✓	WCMT030208	TC9130	
✓	WCMT040208	TC9130	
✓	WCMT050308	TC9130	
✓	WCMT06T308	TC9130	
✓	WCMT080412	TC9130	
✓	880-0303W05H-P-GM	TC9150	
✓	880-0403W05H-P-GM	TC9150	
✓	880-0503W05H-P-GM	TC9150	
✓	880-0604W06H-P-GM	TC9150	
✓	880-030305H-C-GM	TC9110	
✓	880-040305H-C-GM	TC9110	
✓	880-050305H-C-GM	TC9110	
✓	880-060406-C-GM	TC9110	

规格及型号		材质			示意图
✓	MMT16ER AG60	TC9110			
✓	MMT16ER AG55	TC9110			
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✓	MMT16ER ISO125	TC9110			
✓	MMT16ER ISO150	TC9110			
✓	MMT16ER ISO175	TC9110			
✓	MMT16ER ISO200	TC9110			
✓	MM16EER ISO225	TC9110			
✓	MMT16ER ISO250	TC9110			
✓	MMT16ER ISO275	TC9110			
✓	MMT16ER ISO300	TC9110			
✓	MMT16ER ISO11W	TC9110			
✓	MMT16ER ISO14W	TC9110			
✓	MMT16ER ISO17W	TC9110			
✓	MMT16ER ISO19W	TC9110			
✓	MMT11ER A55	TC9110			
✓	MMT11ER A60	TC9110			
✓	MMT11ER ISO100	TC9110			
✓	MMT11ER ISO150	TC9110			
✓	MMT11ER ISO200	TC9110			
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✓	MMT16IR AG55	TC9110			
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✓	MMT16IR ISO150	TC9110			
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✓	MMT16IR ISO17W	TC9110			
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○	MTTR43 5501	TC9110			
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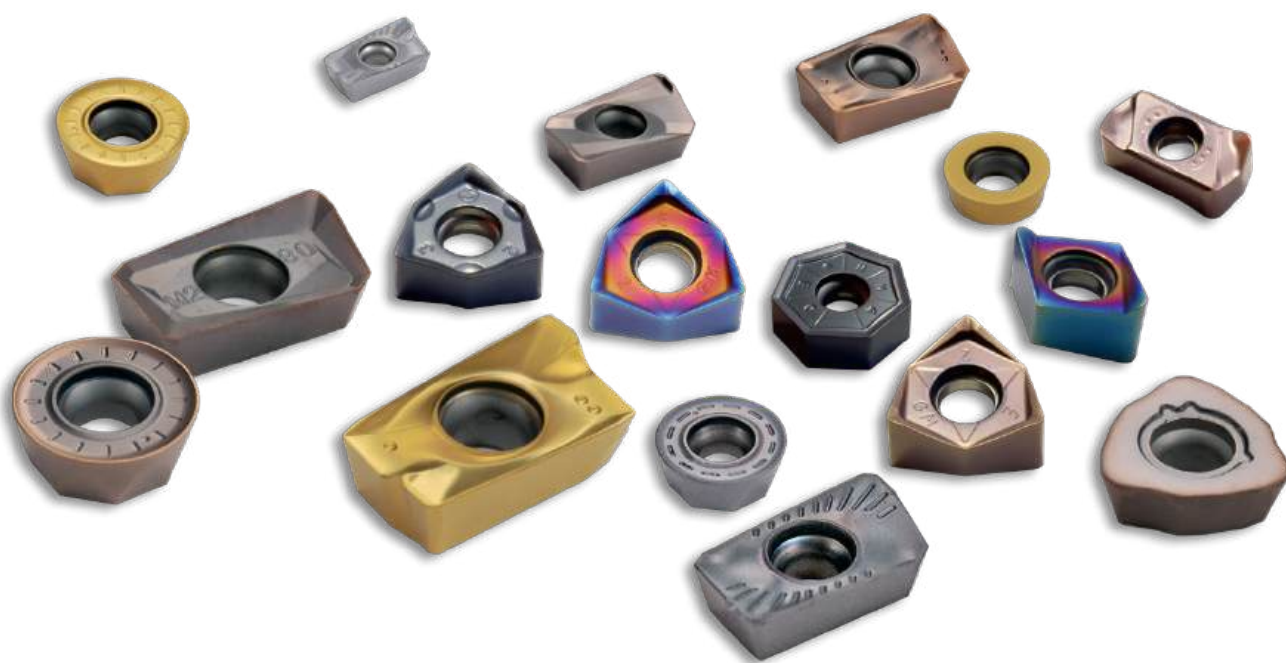
✓ 代表有库存，○代表可定制

规格及型号		材质	示意图
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✓	MMT16ER ISO175-S	TC9366	
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✓	MMT16ER ISO275-S	TC9366	
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✓	MMT16IR ISO125-S	TC9366	
✓	MMT16IR ISO150-S	TC9366	
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✓	MMT16IR ISO200-S	TC9366	
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✓	MMT16IR ISO300-S	TC9366	
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✓	MMT16IR ISO11W-S	TC9366	
✓	MMT16ER ISO14W-S	TC9366	
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✓	MMT16ER ISO19W-S	TC9366	
✓	MMT16IR ISO19W-S	TC9366	
✓	MMT11ER A55-S	TC9366	
✓	MMT11IR A55-S	TC9366	
✓	MMT11ER A60-S	TC9366	
✓	MMT11IR A60-S	TC9366	
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✓	MMT11ER ISO150-S	TC9366	
✓	MMT11IR ISO150-S	TC9366	
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✓ 代表有库存， ○ 代表可定制

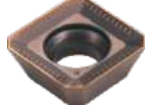
规格及型号		材质	示意图
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规格及型号		材质			示意图
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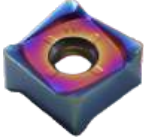
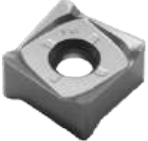
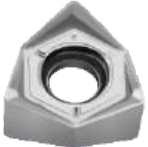


规格及型号		材质	示意图
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✓	AOMT123608-H	TC9120	
✓	RPMW1003MO	TC9120	
✓	RPMT08T2-JS	TC9120	
✓	RPMT10T3-JS	TC9120	
✓	RPMT1204-JS	TC9120	
✓	RPMT1606-JS	TC9120	

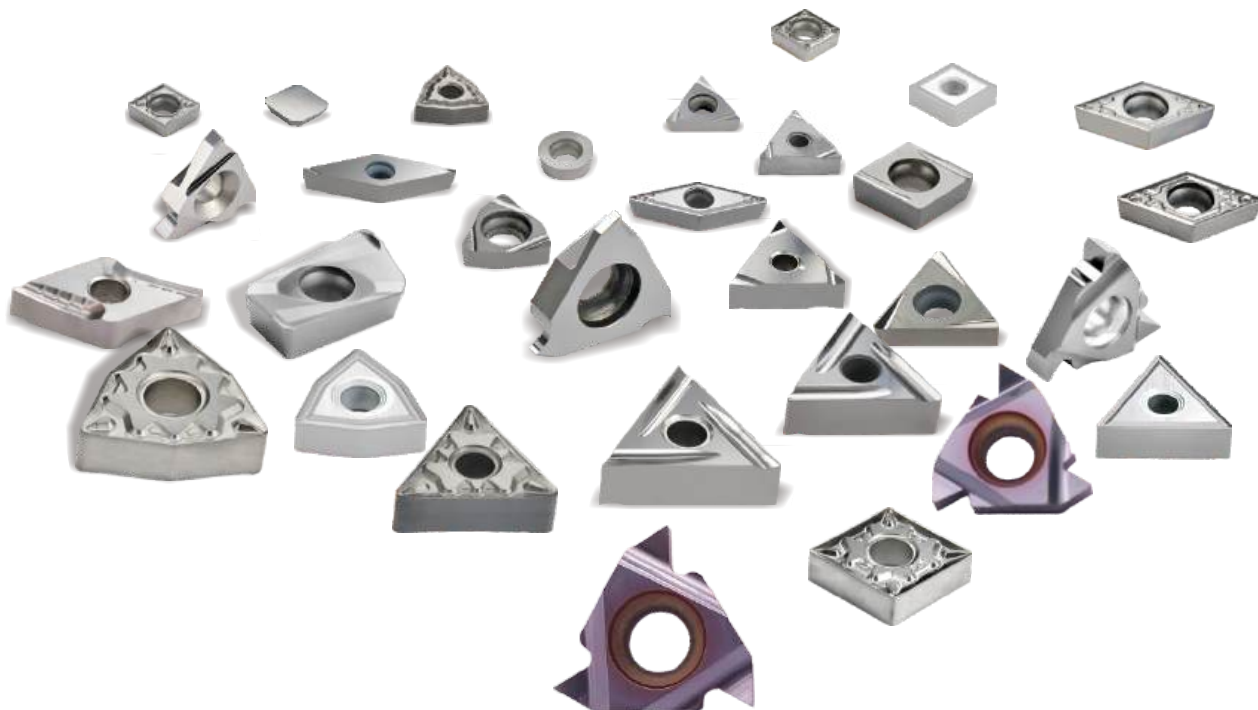
规格及型号		材质	示意图
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✓	RPMT1204-TT	TC9330	

规格及型号		材质	示意图
✓	JDMW120420-FT	TC9120	
✓	TPMN160308	Mti20	
✓	TPMN220408	Mti20	
✓	SPGX090304	Mti20	
✓	SPGX120304	Mti20	
✓	SOMT12T308PEER-JM	TC9120	
✓	SEMT13T308 PEER-JM	TC9120	
✓	SEKT1204 AFTN	TC9120	

规格及型号		材质		示意图
✓	APMT1604M2 VP	TC9110		
✓	APMT1135M2 VP	TC9110		
✓	RPMT08T2JS VP	TC9110		
✓	RPMT10T3JS VP	TC9110		
✓	RPMT1204JS VP	TC9110		
✓	APMT1604TT DP	TC9110		
✓	APMT1135TT DP	TC9110		
✓	RPMW1003MOTT DP	TC9110		
✓	RPMT1204TT DP	TC9110		
✓	JDMT070204R	TC9150	TC9110	
✓	JDMT070204R	TC9150	TC9110	

规格及型号		材质					示意图
		M03-Z	TC9110	TC9150	TC9365	TX350	
✓	4NKT060308R	✓	✓	✓	✓	✓	
○	BLMP0603 ZER-MJ		✓	✓			
✓	LNMU0303 ZER-MJ		✓	✓			
✓	LOGU030310 ZER-G	✓	✓				
✓	SNMG130708ZNER-G		✓	✓	✓	✓	
✓	SNGG130708ZNER-G	✓					
✓	WNMU040408 EN-GM		✓	✓	✓	✓	
✓	WNMU060408 EN-GM		✓	✓	✓	✓	
✓	WNMU080408 EN-GM		✓	✓	✓	✓	
✓	WNGU040408 EN-GM	✓					
✓	WNGU060408 EN-GM	✓					
✓	WNGU080408 EN-GM	✓					

规格及型号		材质	示意图
✓	P3201-D08	TC9150	
✓	P3201-D10	TC9150	
✓	P3201-D12	TC9150	
✓	P3201-D16	TC9150	
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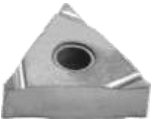
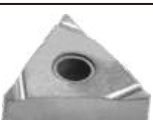
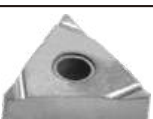
规格及型号		材质	示意图
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✓	DCMT070204HQ TN	TX350	
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✓	TCMT090204HQ TN	TX350	
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规格及型号		材质	示意图
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✓	CNMG120404MT CT	TX350	
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✓	WNMG080404MT CT	TX350	
✓	WNMG080408MT CT	TX350	
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✓	CCMT09T304MT CT	TX350	
✓	CCMT09T308MT CT	TX350	
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✓	TCMT16T304MT CT	TX350	
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✓	TCMT110204MT CT	TX350	
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✓	WNMG080408FG CT		
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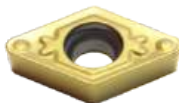
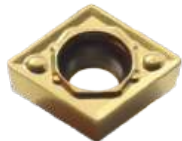
✓ 代表有库存， ○ 代表可定制

规格及型号		材质	示意图
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✓	SNMG120404MA	TX350	
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✓	VNMG160408MA	TX350	
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✓	CNMG120404MS	TX350	
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○	VBMT160404	TX350	
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✓	TCMT16T304	TX350	
✓	TCMT16T308	TX350	
○	TCMT110202	TX350	
✓	TCMT110204	TX350	

规格及型号		材质	示意图
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○	DCMT070202	TX350	
✓	DCMT070204	TX350	
✓	CCMT120404	TX350	
✓	CCMT120408	TX350	
✓	CCMT09T304	TX350	
✓	CCMT09T308	TX350	
○	CCMT060202	TX350	
✓	CCMT060204	TX350	
✓	TNMG160404-TS	TX350	
✓	WNMG080404-TS	TX350	
✓	WNMG080404R-SG	TX350	
✓	WNMG080408R-SG	TX350	
✓	WNMG080404L-SG	TX350	
✓	WNMG080408L-SG	TX350	

规格及型号		材质	示意图
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✓	TNMG160404R/L-2G	TX250	
○	TNMG160408R/L-2G	TX250	
○	TNMG160402 R/ L-F	TX250	
○	TNMG160404 R/ L-F	TX250	
○	TNMG160408 R/ L-F	TX250	
○	TNMG160402 R/ L-C	TX250	
○	TNMG160404 R/ L-C	TX250	
○	TNMG160408 R/ L-C	TX250	
○	TNMG160402 R/ L-S	TX250	
○	TNMG160404 R/ L-S	TX250	
○	TNMG160408 R/ L-S	TX250	
✓	TNGG160402R/L-2G	TX350	
✓	TNGG160404R/L-2G	TX350	
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✓	TNGG160402 R/ L-F	TX350	
✓	TNGG160404 R/ L-F	TX350	
✓	TNGG160408 R/ L-F	TX350	
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✓	TNGG160402 R/ L-S	TX350	
✓	TNGG160404 R/ L-S	TX350	
✓	TNGG160408 R/ L-S	TX350	
✓	TNGG160402R/L-2G Z	TX350	
✓	TNGG160404R/L-2G Z	TX350	
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✓	TNGG160402 R/ L-F Z	TX350	
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✓	TNGG160408 R/ L-C Z	TX350	
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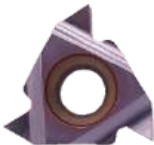
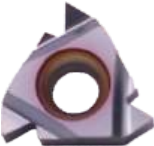
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✓	VNMG160404SA	TX450YH	
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✓	CCMT09T304SF	TX450YH	
✓	CCMT09T308SF	TX450YH	
✓	CCMT060204SF	TX450YH	
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✓	TCMT16T308SF	TX450YH	
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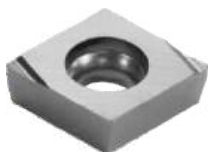
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✓	WNMG080404HQ	✓			
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✓	TCMT090204HQ	✓			
✓	TCMT110204HQ	✓			
✓	TCMT110208HQ	✓			
✓	TPMT110304HQ	✓			
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✓ 代表有库存，○代表可定制

规格及型号		材质			示意图
		TX350 V			
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✓	TCMT110204MT	✓			
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✓	TNMG160408R-S	✓			
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规格及型号		材质	示意图
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○	SP200 TX350	TX350	
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○	SP400 TX350	TX350	

规格及型号		材质			示意图
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✓	MMT16ER AG55-S			TX450YH	
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✓	MMT16ER ISO150-S			TX450YH	
✓	MMT16ER ISO175-S			TX450YH	
✓	MMT16ER ISO200-S			TX450YH	
✓	MM16EER ISO225-S			TX450YH	
✓	MMT16ER ISO250-S			TX450YH	
✓	MMT16ER ISO275-S			TX450YH	
✓	MMT16ER ISO300-S			TX450YH	
✓	MMT16ER ISO11W-S			TX450YH	
✓	MMT16ER ISO14W-S			TX450YH	
✓	MMT16ER ISO17W-S			TX450YH	
✓	MMT16ER ISO19W-S			TX450YH	
✓	MMT11ER A55-S			TX450YH	
✓	MMT11ER A60-S			TX450YH	
✓	MMT11ER ISO100-S			TX450YH	
✓	MMT11ER ISO150-S			TX450YH	
✓	MMT11ER ISO200-S			TX450YH	
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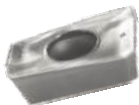
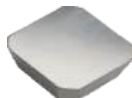
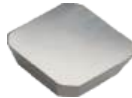
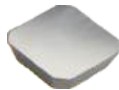
规格及型号		材质	示意图
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✓	DCGT070202 R/L-F	TX350	
✓	DCGT070204 R/L-F	TX350	
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✓	CCGT09T302 R/L-U	TX350	
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✓	VBGT110301 R/L-Y	TX350	
✓	VBGT110302 R/L-Y	TX350	
✓	VBGT110304 R/L-Y	TX350	
✓	VBGT160402 R/L-Y	TX350	
✓	VBGT160404 R/L-Y	TX350	
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✓	VBGT110304 R/L-F	TX350	
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✓ 代表有库存，○代表可定制

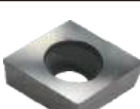
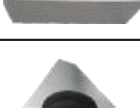
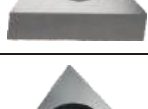
规格及型号		材质	示意图
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○	CTPA15FL	TX350	
○	CTPA20FL	TX350	
○	TBP60F R/L 00	TX350	
○	TBP60F R/L 10	TX350	
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○	TBPA60F R/L VB	TX350	
○	TBPA60F R/L 10M	TX350	
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○	CSV11F R/L V	TX350	
○	CSV11F R/L V-M	TX350	
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○	CSV11F R/L V040	TX350	
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○	CSV11F R/L P60-035B	TX350	

规格及型号		材质	示意图
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○	GER 350-020D TX350	TX350	
○	GER 150-010E TX350	TX350	
○	GER 200-010E TX350	TX350	
○	GER 250-010E TX350	TX350	
○	GER 300-010E TX350	TX350	
○	GER 400-010E TX350	TX350	

规格及型号		材质	示意图
✓	TBGX060102L-FS	TX350	
✓	TBGX060104L-FS	TX350	
✓	TPGX080202L-FS	TX350	
✓	TPGX080204L-FS	TX350	
✓	TPGX090202L-FS	TX350	
✓	TPGX090204L-FS	TX350	
✓	TPGX110302L-FS	TX350	
✓	TPGX110304L-FS	TX350	
✓	TBGH060102L	TX350	
✓	TBGH060104L	TX350	
✓	TPGH080202L	TX350	
✓	TPGH080204L	TX350	
✓	TPGH090202L	TX350	
✓	TPGH090204L	TX350	
✓	TPGH110302L	TX350	
✓	TPGH110304L	TX350	
✓	TBGH060102L-W	TX350	
✓	TBGH060104L-W	TX350	
✓	TPGH080202L-W	TX350	
✓	TPGH080204L-W	TX350	
✓	TPGH090202L-W	TX350	
✓	TPGH090204L-W	TX350	
✓	TPGH110302L-W	TX350	
✓	TPGH110304L-W	TX350	
✓	WBG020101	TX350	
✓	WBG020102	TX350	
✓	WBG020104	TX350	

规格及型号		材质	示意图
✓	RPMW1003MO NX	TX350	
✓	APMT1135-H2	TX350	
✓	APMT1604-H2	TX350	
✓	APMT1604-TT	TX350	
✓	APMT1135-TT	TX350	
✓	SEEN1203AFTN	TX250	
✓	SEEN1203AFTN-T	TX250	
✓	SEEN1504AFTN	TX250	
✓	SEEN1203AFTN周边磨	TX350	
✓	SEEN1203AFTN-T周边磨	TX350	
✓	SEEN1504AFTN周边磨	TX350	
✓	TPMN160308	TX350	
✓	TPMN220408	TX350	
✓	TPMN220412	TX350	

规格及型号		材质	示意图
✓	RPGT1203 MO-BB	TX350	
✓	RPGT1604 MO-BB	TX350	

规格及型号		材质	示意图
✓	APKN1135-GT	YG8	
✓	APKN1604-GT	YG8	
✓	CCGW09T302-GT	YG8	
✓	CCGW060202-GT	YG8	
✓	DCGW11T302-GT	YG8	
✓	DCGW070202-GT	YG8	
✓	TCGW090202-GT-φ2.8	YG8	
✓	TCGW110202-GT-φ2.8	YG8	
✓	TPGW10302-GT-φ3.4	YG8	
✓	TEGW16T302-GT	YG8	
✓	TNGW160402-GT	YG8	
✓	TPGW160402-GT	YG8	
✓	VCGW110302-GT	YG8	
✓	VCGW160402-GT	YG8	
✓	VNGA160402-GT	YG8	

✓ 代表有库存，○代表可定制

规格			
✓	D1 X 50 X 2F	(D4)	✓ D6 X 70 X 18 X 4F
✓	D1.5 X 50 X 2F	(D4)	✓ D8 X 60 X 20 X 4F
✓	D2 X 50 X 2F	(D4)	✓ D8 X 75 X 24 X 4F
✓	D2.5 X 50 X 2F	(D4)	✓ D8 X 100 X 24 X 4F
✓	D3 X 50 X 7.5 X 4F	(D4)	✓ D10 X 75 X 25 X 4F
✓	D3 X 50 X 7.5 X 4F		✓ D10 X 100 X 30 X 4F
✓	D4 X 50 X 10 X 4F		✓ D12 X 75 X 30 X 4F
✓	D5 X 50 X 12.5 X 4F		✓ D12 X 100 X 30 X 4F
✓	D6 X 50 X 15 X 4F		✓ D16 X 100 X 50 X 4F



规格			
✓	D1 X 3 X D4 X 50L	✓	D6 X 30 X D6 X 100L
✓	D1.5 X 4.5 X D4 X 50L	✓	D8 X 20 X D8 X 60L
✓	D2 X 6 X D4 X 50L	✓	D8 X 30 X D8 X 75L
✓	D3 X 9 X D4 X 50L	✓	D8X 35 X D8 X 100L
✓	D3.5 X 10 X D4 X 50L	✓	D10 X 25 X D10 X 75L
✓	D4 X 16 X D4 X 75L	✓	D10 X 40 X D10 X 100L
✓	D4 X 20 X D4 X 100L	✓	D12 X 30 X D12 X 75L
✓	D5 X 13 X D6 X 50L	✓	D12 X 45 X D12 X 100L
✓	D6 X 15 X D6 X 50L	✓	D14 X 45 X D14 X 100L
✓	D6 X 24 X D6 X 75L	✓	D16 X 45 X D16 X 100L



规格			
✓	D1 X 3 X D4 X 50L	✓	D6 X 30 X D6 X 100L
✓	D1.5 X 4.5 X D4 X 50L	✓	D8 X 20 X D8 X 60L
✓	D2 X 6 X D4 X 50L	✓	D8 X 30 X D8 X 75L
✓	D3 X 9 X D4 X 50L	✓	D8X 35 X D8 X 100L
✓	D3.5 X 10 X D4 X 50L	✓	D10 X 25 X D10 X 75L
✓	D4 X 16 X D4 X 75L	✓	D10 X 40 X D10 X 100L
✓	D4 X 20 X D4 X 100L	✓	D12 X 30 X D12 X 75L
✓	D5 X 13 X D6 X 50L	✓	D12 X 45 X D12 X 100L
✓	D6 X 15 X D6 X 50L	✓	D14 X 45 X D14 X 100L
✓	D6 X 24 X D6 X 75L	✓	D16 X 45 X D16 X 100L



规格			
✓	D1 X 3 X D4 X 50L	✓	D6 X 30 X D6 X 100L
✓	D1.5 X 4.5 X D4 X 50L	✓	D8 X 20 X D8 X 60L
✓	D2 X 6 X D4 X 50L	✓	D8 X 30 X D8 X 75L
✓	D3 X 9 X D4 X 50L	✓	D8 X 35 X D8 X 100L
✓	D3.5 X 10 X D4 X 50L	✓	D10 X 25 X D10 X 75L
✓	D4 X 16 X D4 X 75L	✓	D10 X 40 X D10 X 100L
✓	D4 X 20 X D4 X 100L	✓	D12 X 30 X D12 X 75L
✓	D5 X 13 X D6 X 50L	✓	D12 X 45 X D12 X 100L
✓	D6 X 15 X D6 X 50L	✓	D14 X 45 X D14 X 100L
✓	D6 X 24 X D6 X 75L	✓	D16 X 45 X D16 X 100L



规格			
3 X 50	3 X 100	3 X 312	20 X 312
4 X 50	4 X 100	4 X 312	30 X 312
5 X 50	5 X 100	5 X 312	
6 X 50	6 X 100	6 X 312	
6 X 75	8 X 100	8 X 312	
8 X 60	10 X 100	10 X 312	
8 X 75	12 X 100	12 X 312	
10 X 75	16 X 100	16 X 312	
12 X 75			



规格	
○	6X 312
○	8X 312
○	10 X 312
○	12 X 312
○	16 X 312
○	20 X 312
○	30 X 312



规格	
○	3 X 312
○	4 X 312
○	5 X 312
○	6X 312
○	8X 312
○	10 X 312
○	12 X 312
○	16 X 312
○	20 X 312
○	30 X 312



品名 Mingrui	加工材料 Cutting Material	涂层类别 Coating	涂层颜色 Color	可替代 Similar to	材质成份 Insert Material
TC9180	钢件(P)	CVD	黄色(亮色)	京瓷CA5525	MT-TiCN、Al ₂ O ₃ +TiN
TC9170	钢件(P)	CVD	黄色	东芝T9025	MT-TiCN、Al ₂ O ₃ +TiN
TC9160	钢件(P)	复合	浅黄	三菱UE6020	MT-TiCN、Al ₂ O ₃ +TiN
TC4225	钢件(P)	CVD	黑+黄	三特4225	MT-TiCN、Al ₂ O ₃ +TiN
TX250	软钢		本 (灰) 色		TiCN-CO-Ni(金属陶瓷)
TX350	钢件(P)		本 (灰) 色	三菱NX2525	TiCN-CO-Ni-Tac-x (金属陶瓷)
				京瓷TN20	
TX950	钢件(调质)		本 (灰) 色	住友UTi20	TiCN-CO-Ni-Tac-x (金属陶瓷)
				特固克CT3000	
TX450YH	钢件	PVD	银灰		TiCN-CO-Ni-TiN
TC9120	不锈钢(M)	PVD	紫红	三菱VP15TF	TiAlN
TC9130	不锈钢(M)	PVD	浅紫红	京瓷PR930	TiAlN
TC9110	通用(高硬度)	PVD	古铜		TiCN、TiN
TC9335	不锈钢(M)	PVD	紫黑	Korloy PC9030	TiAlN
TC9150	通用	PVD	黑色		TiAlN-x
TC9330	通用钢件(P)	PVD	黄色	杜龙DP5320	TiAlN
TC9365	钢件/不锈钢/铸铁	PVD	纳米蓝		TiAlN
TC9366	钢件/不锈钢/高温合金	PVD	七彩	某YSK	TiAlN
MTI20	软钢		本 (灰) 色		硬质合金
TE9150T	铸铁(K)	CVD	黑+黄(双色)	三菱UC5115	MT-TiCN、Al ₂ O ₃
M01	铝、铜有色金属 (N)		银色		WC-CO-X
M02	铝、铜有色金属 (N)		银色		WC-CO-X
M03	铝、铜有色金属 (N)		银色	Korloy H01	WC-CO-X
YG8	基体 (PCD、CBN)		本 (灰色)		WC-CO



惠州市明锐精密工具有限公司

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