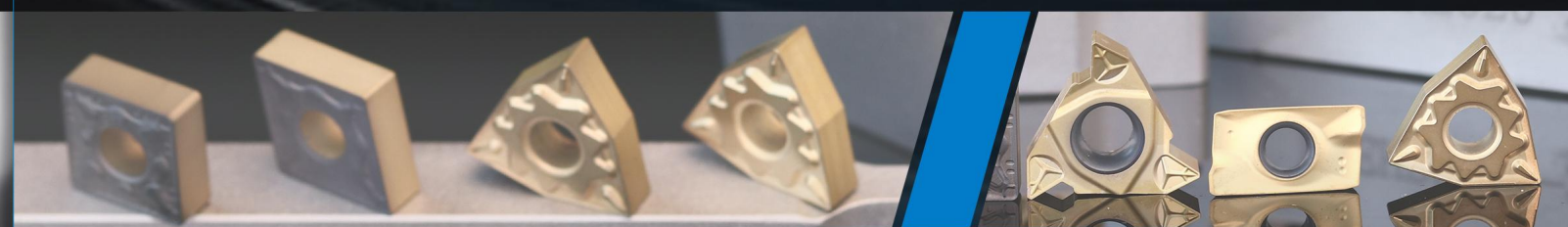




哆乐数控工具有限公司
DOHRE CNC TOOLS CO., LTD



刀片目录 CARBIDE INSERT 舍弃式切削刀片样本



COMPANY INTRODUCE



DOHRE tools Co., Ltd. is a professional CNC tool production and service provider, mainly for CNC machine tool users around the world, providing high quality, preferential prices, early delivery, technical support.

DOHRE tools Co., Ltd. always advocated "integrity, pragmatism, innovation". "Efficient" working principle, the introduction of Germany's latest CNC 5 axis grinding machine, CNC 5 axis automatic inspection equipment and advanced grinding technology. At present, the company has imported 20 grinding machines, using domestic and foreign high quality carbide rod, developed high quality, high efficiency products. Advanced production system, high quality product - CNC tungsten carbide end mill. Carbide inserts, Forming turning tools. CNC high precision tool holder. High - precision milling cutter sets, a full - range cutter design scheme has been approved by the majority of users. DOHRE will meet your needs with high quality products, competitive prices and fast service.

CATALOG

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> DH1110

基体采用富钴层结构使其具有良好的韧性与耐磨性；适用于钢、铸钢和不锈钢等材料的半精、精加工；是无切削液条件下加工P15区域内的最佳选择。

Adopted with Co-structure substrate, DH1110 is optimized for excellent toughness and wear resistance. It is the best option in P15 area without cutting fluid and suitable for semi-finishing and finishing ISO P, K, and M materials.

> DH1120

涂层基体内的富钴层结构使其韧性与耐磨性达到最佳的组合；使用极为广泛，适用于钢类零件的半精加工、精加工。

Adopted with Co-structure substrate, DH1120 is optimized for the best combination of toughness and wearing resistance. It's wide range applicative and suitable for semi-finishing and finishing ISO P material.

> DH1210

采用厚TiCN和厚Al₂O₃涂层，拥有抗冲击韧性和耐磨性完美结合，是钢材精加工到半精加工高速切削的最佳选择。切削速度在原牌号基础上，可提高25%以上；在相同切削速度下，刀具后面磨损量降低30%。

Adopted with thick TiCN and thick Al₂O₃ coating, DH1210 is the best option for semi-finishing and finishing ISO P material, and optimized for impact resistance and wearing resistance. Contracting with prime grade, the cutting speed can be increased over 25%; and the flank wear can be decreased 30% in same cutting speed.

> DH1220

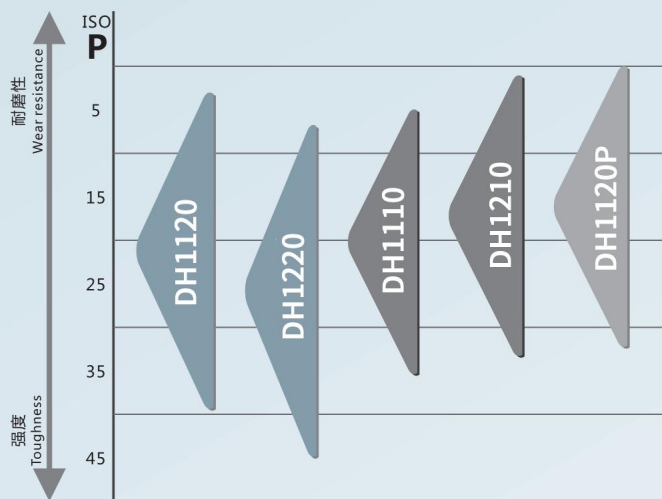
采用厚TiCN和厚Al₂O₃涂层，拥有极强的抗塑性变形能力和刃口强度，是钢材从精加工到粗加工的首选牌号。在高去除率切削参数下或恶劣的工况下也有稳定表现，干切时可达较好效果。在相同切削条件下，可提高切削速度25%以上；在相同切削速度下，刀具寿命可提高50%。

Adopted with thick TiCN and thick Al₂O₃ coating, DH1220 is optimized for blade intensity and resisting plastic deformation.It is the preferred option in semi-finishing and finishing ISO P material . DH1220 can be worked stably in high removal rate cutting parameters and serious work conditions. Besides, it's qualified in cutting without cutting fluid. In addition,the cutting speed can be increased over 25% in same cutting condition; the tool life can be extended 50% in the same cutting speed.

> DH1220D

韧性与强度好的基体与厚的TiCN和厚Al₂O₃涂层组合，使得涂层兼顾美观的同时，耐磨性得到大幅提升，适合钢件的通用加工

Substrate of good toughness and strength combined with the thick TiCN and thick Al₂O₃coating, makes the coating greatly improved in wear-resistance and looks good in appearance. It is suitable for various processing of steel.



> DH1110P

钢件稳定工况的半精到精加工

Suited for semi-finishing and finishing ISO P material
高抗塑变形能力的基体，耐磨的CVD涂层，适合良好工况的高速车削，金色的外观易用适别磨损。

It contains high plastic deformation capacity substrate and hard-wearing CVD coating, which makes it is suitable for steel finishing at high- speed cutting. The golden appearance is easy to be found the wear.

> DH1120P

钢件加工的通用牌号

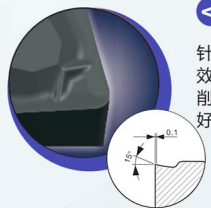
Suited for ISO P material
梯度结构的基本搭配耐磨的CVD涂层，具有良好的韧性与耐磨性，适合钢件的通用加工，金色的外观易于适别磨损。

It contains gradient-based structural substrate and hard-wearing CVD coating .Combines both favorable toughness and wearing resistance, which makes it is suitable for steel processing .The golden appearance is easy to be found the wear.



> 专业的槽型设计 Professional Chip Breaker Design

< -DPF



针对钢类材料加工而设计的独特槽型，有效控制切屑的卷曲和断屑；刃口锋利，切削轻快，能良好地控制切屑的流向，获得好的表面质量，特别适合于钢类精加工。

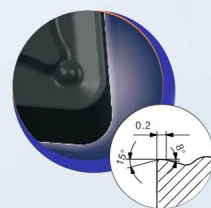
Special designed for cutting ISO P material, -DPF can efficiently control and break chip; with sharp cutting edge, it has low cutting forces and good chip-controlling, which help it obtains excellent precision and surface quality, suitable for finishing ISO P material.

-DPM >

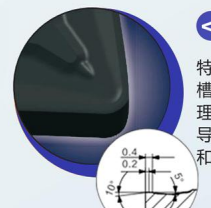


Negative chamfer designed on sharp blade, blade intensity and impact-resistance are increased, it can efficiently break chip and extend chip break filed. -DPM is suitable for semi-finishing and slight interrupted cutting ISO P material.

刀片在刃口锋利的基础上增加了负倒棱设计，增强刀片刃口强度和抗冲击性能，在有效保证切削断屑的同时扩大断屑范围，适用于钢类材料的半精加工和轻型断续加工。



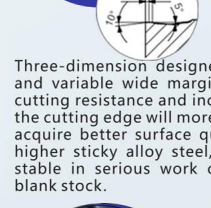
< -DPR



特殊的双前角和宽刃带及负倒棱三维断屑槽设计，在刃口强度和锋利程度上取得了理想的平衡，导屑槽型的设计可有效地引导切屑的流向，适用于钢类材料的粗加工和断续加工。

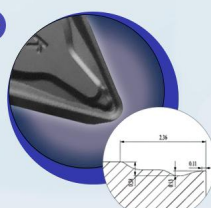
Three-dimension designed with double rake angle, wide margin and negative chamfer, -DPR get ideal balance between blade intensity and sharp. It can efficiently guide chip's flow direction and suitable for rough cutting and interrupted cutting.

-DPMK >

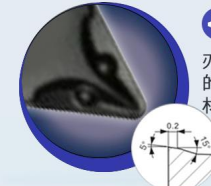


Three-dimension designed with double rake angle, and variable wide margin chamfer, it can decrease cutting resistance and increase the chip-break range, the cutting edge will more sharp than DPMK so, it can acquire better surface quality even it machines the higher sticky alloy steel, and DPMK can be worked stable in serious work condition, such as uneven blank stock.

特殊的双前角和变刃宽三维槽型设计使得切削力小，断屑范围宽，刃口相比DPMK要锋利的多，因此，即使切削加工粘性较高的合金钢时也能获得很好的表面质量；对于毛坯余量不均匀加工的情况下也有不错的表现。



< -DTM



刃口锋利并兼顾了一定的强度，具有很好的抗冲击能力；切削寿命长；适用于刚质材料的半精加工

Special chipbreaker design to cutting edge sharp and safe;Good anti impact resistance; Excellent tool life time;Suitable fot stainless steel semi-finishing.

> 产品型号 Product Model

图 片	型 号	涂层牌号					
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	CNMG120404-DPF		▲			○	○
	CNMG120408-DPF		▲	○	○	○	○
	CNMG120412-DPF		▲	○	○	○	○
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	CNMG120404-DPM	●	○	▲	○	○	○
	CNMG120408-DPM	●	○	▲	○	○	○
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图 片	型 号	涂层牌号					
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	CNMG160616-DPR	▲	○	●	○	○	○
	CNMG190608-DPR	▲	○	●	○	○	○
	CNMG190612-DPR	▲	○	●	○	○	○
	CNMG190616-DPR	▲	○	●	○	○	○
	CNMG190624-DPR	▲	○	●	○	○	○
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	CNMG120404-DPM	●	○	▲	○	○	○
	CNMG120408-DPM	●	○	▲	○	○	○
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	CNMG120416-DPM	●	○	▲	○	○	○
	CNMG160608-DPM	●	○	▲	○	○	○
	CNMG160612-DPM	●	○	▲	○	○	○
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图 片	型 号	涂层牌号					
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	DNMG150608-DPF		▲	○		○	○
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							○

>产品型号 Product Model

图片	型号	涂层牌号				
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图片	型号	涂层牌号				
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图片	型号	涂层牌号				
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	WNMG06T308-DPM	●	○	▲		
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>产品型号 Product Model

图片	型号	涂层牌号				
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	DNMG150608		●	▲	●	○
	DNMG150612		●	○	▲	○
	DNMG150616		●	○	▲	○
	DNMG190608		▲	●	●	○
	DNMG190612		▲	○	●	○
	SNMG090304		●	▲	●	○
	SNMG090308		●	▲	●	○
	SNMG120404		●	▲	●	○
	SNMG120408		●	▲	●	○
	SNMG120412		●	○	▲	○
	SNMG120416		●	○	▲	○
	SNMG150608		▲	●	●	○
	SNMG150612		▲	●	●	○
	SNMG190612		▲	○	●	○
	SNMG190616		▲	○	●	○
	SNMG250724		▲	○	●	○
	SNMG250924		▲	○	●	○
	TNMG110308		●	▲	●	○
	TNMG160404		●	▲	●	○
	TNMG160408		●	○	▲	○
	TNMG160412		●	○	▲	○
	TNMG220404		●	○	▲	○
	TNMG220408		●	○	▲	○
	TNMG220412		●	○	▲	○
	TNMG220416		●	○	▲	○
	TNMG270612		▲	○	●	○
	TNMG270616		▲	○	●	○
	VNMG160404		●	▲	●	○
	VNMG160408		●	▲	●	○
	WNMG06T308		●	○	▲	○
	WNMG060408		●	○	▲	○
	WNMG060416		●	○	▲	○
	CCMT060202-DTF		●	○	▲	○
	CCMT060204-DTF		●	○	▲	○
	CCMT060208-DTF		●	○	▲	○
	CCMT09T302-DTF		●	○	▲	○
	CCMT09T304-DTF		●	○	▲	○

图 片	型 号	涂层牌号							
		DH110P	DH110	DH120	DH120P	DH120			
	CCMT09T304-DTR		○	●	▲	○	○		
	CCMT09T308-DTR		○	●	▲		○	○	
	CCMT120408-DTR			○	●	▲		○	○
	CCMT120412-DTR		○		●	▲		○	○
	DCMT070202-DTF			●				○	○
	DCMT070204-DTF			●				○	○
	DCMT070208-DTF			●	○			○	○
	DCMT11T302-DTF			●				○	○
	DCMT11T304-DTF			●				○	○
	DCMT11T308-DTF			●	○			○	○
	DCMT070202-DTM			▲					
	DCMT070204-DTM			▲					
	DCMT11T304-DTM			▲					
	DCMT11T308-DTM			●	▲			○	○
	DCMT11T312-DTM			●	▲			○	○
	DCMT11T304-DTR			●	▲			○	○
	DCMT11T308-DTR			●	▲			○	○
	DCMT11T312-DTR		○	●	▲			○	○
	SCMT09T302-DTF			▲				○	○
	SCMT09T304-DTF			▲				○	○
	SCMT09T308-DTF			▲				○	○
	SCMT09T304-DTM			▲				○	○
	SCMT09T308-DTM			●	▲			○	○
	SCMT120404-DTM			▲					
	SCMT120408-DTM			●	▲			○	○
	SCMT120412-DTM			●	▲			○	○
	SCMT09T304-DTR			●	▲			○	○
	SCMT09T308-DTR		○	●	▲			○	○
	SCMT09T312-DTR		○	●	▲			○	○
	SCMT120404-DTR			●	▲			○	○
	SCMT120408-DTR		○	●	▲			○	○
	SCMT120412-DTR		○	●	▲			○	○
	SCMT09T304			▲					
	SCMT120404			▲					
	SCMT120408			●	▲				
	TCMT06T104-DTF			▲					
	TCMT06T108-DTF			▲					
	TCMT090202-DTF			▲					
	TCMT090204-DTF			▲					
	TCMT090208-DTF			▲	○				
	TCMT110202-DTF			▲					
	TCMT110204-DTF			▲					
	TCMT110208-DTF			▲	○				
	TCMT16T302-DTF			▲					
	TCMT16T304-DTF			▲					
	TCMT16T308-DTF			▲	○				
	TCMT090204-DTM			▲					
	TCMT090208-DTM			●	▲			○	○
	TCMT110204-DTM			▲					
	TCMT110208-DTM			●	▲			○	○
	TCMT110212-DTM			●	▲			○	○
	TCMT16T304-DTM			●	▲			○	○
	TCMT16T308-DTM		○	●	▲			○	○
TCMT16T312-DTM		○	●	▲			○	○	

> DP3310

新开发的高抗塑性变形能力梯度合金基体，结合薄的氧化铝涂层，显著提高了刀片在高速下的切削性能，特殊的黄色表层涂层，使得刀片的磨损易于识别，更提高了刀片的耐磨性。

Adopted with high plastic deformation capacity and gradient-based structural substrate, combined with thin alumina coating, which it is significantly improve the machinability under high speed cutting. The yellow appearance is easy to be found the wear, and improve the wearing resistance.

> DP3120

采用Ti(C,N)和Al₂O₃涂层，实现最佳韧性和耐磨性相结合，拥有较强的抗塑性变形能力和刃口强度，适用于在连续切削和断续切削条件下的半精加工到粗加工；实现高速、高效、环保式切削。

Adopted with thick TiCN and thick Al₂O₃ coating, it's optimized for impact resistance and wearing resistance, DP3120 has strength resistance to plastic deformation and blade intensity, suitable for semi-finishing and rough cutting in continuous and interrupted. It can realize high-speed, high-efficiency and environmental cutting.

> DP3210

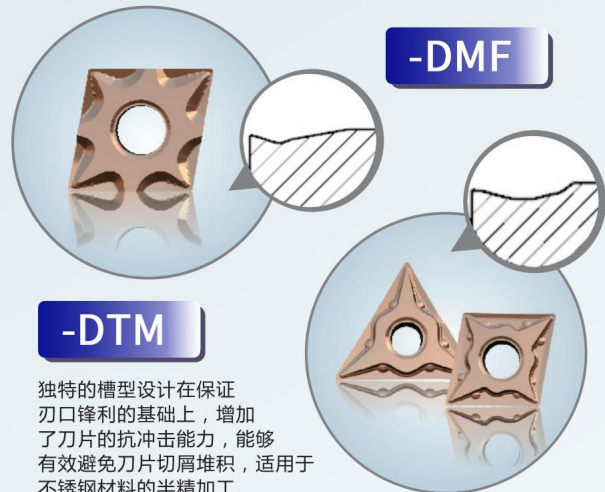
高硬度的硬质合金基体，具有较好的高温红硬性。匹配通用性的PVD复合涂层，推荐用于不锈钢材质的车削和铣削加工。

With highly hard substrate, favorable red hardness and excellent versatility. DP3210 is preferred in turning and milling stainless steel.

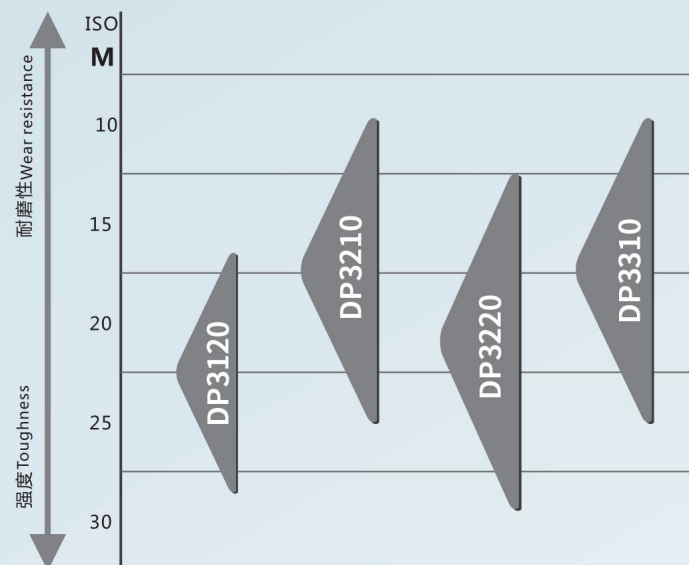
> 专业的槽型设计 Professional Chip Breaker Design

针对不锈钢塑性大、粘性强的特点，设计特殊前角和刃倾角的槽型。刀片刃口锋利，切削阻力小，并能很好的控制切削流向，获得高质量表面，适合于不锈钢材料的精加工。

Special designed rake angle and cutting edge inclination for finishing ISO M material, it has sharp cutting edge which can decrease cutting resistance, and efficiently control chip and acquire good surface quality.



Special chip breaker design to keep both sharp cutting edge and good impact resistance, which can efficiently avoid accumulated and suited for semi-finishing ISO M material.



> DP3220

高硬度硬质合金基体，兼具良好的抗冲击性能，具有优异的刃口安全性。配合通用性能良好的PVD涂层，优选用于不锈钢材料的断续车削和铣削加工。

The highly hard substrate combines both favorable shock resistance and blade security. Used PVD coating with excellent versatility, it is preferred in interrupted turning and milling stainless steel.

-DSF 新

适合不锈钢材料的精加工
Suited for finishing ISO M material

双前角三维槽型设计，刃口锋利，切削力低，有效解决了不锈钢加工中断屑，切削温度高，粘刀，加工硬化等加工难点。刃倾角的设计，很好地控制了切屑流向，获得高质量的加工表面。

Three-dimension designed with double rake angle, it has sharp cutting edge and lower cutting resistance which can efficiently solve break chip, high cutting temperature, sticking, work hardening and other machining problem. cutting edge inclination which can control chip flow direction and obtains excellent surface quality.

-MF 新

适合不锈钢材料的半精加工
Suited for semi-finishing ISO M material

独特的槽型设计，在保证刃口刀片锋利的程度上，增加了刃口强度，有效解决了不锈钢加工中断屑，切削温度高，粘刀，加工硬化等加工难点，可以获得比-MF 更高的加工效率。

Special chip breaker design to keep both sharp cutting edge and increased blade intensity which can efficiently solve break chip, high cutting temperature, sticking, work hardening and other machining problem. Its working efficiency is better than-MF

> 产品型号 Product Model

图片	型号	涂层牌号			
		DP3120	DP3210	DP3220	DP3310
	CNMG090304-DMF	▲	○	○	
	CNMG090308-DMF	▲	○	○	
	CNMG120404-DMF	▲	○	○	
	CNMG120408-DMF	▲	○	○	
	CNMG120412-DMF	▲	○	○	
	CNMG090304-DTM	○	▲	○	
	CNMG090308-DTM	○	▲	○	
	CNMG120404-DTM	○	▲	○	
	CNMG120408-DTM	○	▲	○	
	CNMG120412-DTM	○	▲	○	
	CNMG120416-DTM	○	▲	○	
	CNMG160608-DTM	○	▲	○	
	CNMG160612-DTM	○	▲	○	
	CNMG160616-DTM	○	▲	○	
	CNMG190608-DTM	○	▲	○	
	CNMG190612-DTM	○	▲	○	
	CNMG190616-DTM	○	▲	○	
	CNMG090308-DMF	○	○	○	
	CNMG120408-DMF	○	○	○	
	CNMG120412-DMF	○	○	○	
	CNMG160612-DMF	○	○	○	
	CCMT060202-DSF	○	○	○	
	CCMT060204-DSF	○	○	○	
	CCMT09T304-DSF	○	○	○	
	CCMT09T308-DSF	○	○	○	
	CCMT120404-DSF	○	○	○	
	CNMG090304-DSF	○	○	○	
	CNMG120404-DSF	○	○	○	
	DNMG110404-DMF	▲	○	○	
	DNMG110408-DMF	▲	○	○	
	DNMG110412-DMF	▲	○	○	
	DNMG150404-DMF	▲	○	○	
	DNMG150408-DMF	▲	○	○	
	DNMG150412-DMF	▲	○	○	
	DNMG150604-DMF	▲	○	○	
	DNMG150608-DMF	▲	○	○	
	DNMG150612-DMF	▲	○	○	
	DNMG110404-DTM	○	▲	○	
	DNMG110408-DTM	○	▲	○	
	DNMG110412-DTM	○	▲	○	
	DNMG150404-DTM	○	▲	○	
	DNMG150408-DTM	○	▲	○	
	DNMG150412-DTM	○	▲	○	
	DNMG150416-DTM	○	▲	○	
	DNMG150604-DTM	○	▲	○	
	DNMG150608-DTM	○	▲	○	
	DNMG150612-DTM	○	▲	○	
	DNMG150616-DTM	○	▲	○	
	DNMG110408-DMF	○	○	○	
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	DNMG150608-DMF	○	○	○	
	DNMG110404-DSF	○	○	○	
	DNMG150404-DSF	○	○	○	
	SNMG090304-DMF	▲	○	○	
	SNMG090308-DMF	▲	○	○	
	SNMG120404-DMF	▲	○	○	
	SNMG120408-DMF	▲	○	○	
	SNMG120412-DMF	▲	○	○	
	SNMG090304-DTM	○	▲	○	
	SNMG090308-DTM	○	▲	○	
	SNMG120404-DTM	○	▲	○	
	SNMG120408-DTM	○	▲	○	
	SNMG120412-DTM	○	▲	○	
	SNMG120416-DTM	○	▲	○	
	SNMG150608-DTM	○	▲	○	
	SNMG150612-DTM	○	▲	○	
	SNMG150616-DTM	○	▲	○	
	SNMG150612-DTM	○	▲	○	

图片	型号	涂层牌号			
		DP3120	DP3210	DP3220	DP3310
	SNMG150616-DTM	▲	○	○	
	SNMG190612-DTM	▲	○	○	
	SNMG190616-DTM	▲	○	○	
	SNMG120408-DMF	○	○	○	
	TNMG160404-DMF	▲	○	○	
	TNMG160408-DMF	▲	○	○	
	TNMG160412-DMF	▲	○	○	
	TNMG220408-DMF	▲	○	○	
	TNMG220412-DMF	▲	○	○	
	TNMG110304-DTM	○	▲	○	
	TNMG110308-DTM	○	▲	○	
	TNMG160404-DTM	○	▲	○	
	TNMG160408-DTM	○	▲	○	
	TNMG160412-DTM	○	▲	○	
	TNMG220408-DTM	○	▲	○	
	TNMG220412-DTM	○	▲	○	
	TNMG220416-DTM	○	▲	○	
	TNMG160408-DMF	○	○	○	
	TNMG160404-DSF	○	○	○	
	VNMG160404-DMF	▲	○	○	
	VNMG160408-DMF	▲	○	○	
	VNMG160404-DTM	○	▲	○	
	VNMG160408-DTM	○	▲	○	
	VNMG160412-DTM	○	▲	○	
	VNMG160408-DMF	○	○	○	
	VNMG160404-DSF	○	○	○	
	WNMG060304-DMF	▲	○	○	
	WNMG060308-DMF	▲	○	○	
	WNMG060312-DMF	▲	○	○	
	WNMG060404-DMF	▲	○	○	
	WNMG060408-DMF	▲	○	○	
	WNMG060412-DMF	▲	○	○	
	WNMG080404-DMF	▲	○	○	
	WNMG080408-DMF	▲	○	○	
	WNMG080412-DMF	▲	○	○	
	WNMG060304-DTM	○	▲	○	
	WNMG060308-DTM	○	▲	○	
	WNMG060312-DTM	○	▲	○	
	WNMG060408-DTM	○	▲	○	
	WNMG060412-DTM	○	▲	○	
	WNMG080416-DTM	○	▲	○	
	WNMG080404-DTM	○	▲	○	
	WNMG080408-DTM	○	▲	○	
	WNMG080412-DTM	○	▲	○	
	WNMG060408-DMF	○	○	○	
	WNMG080408-DMF	○	○	○	
	WNMG080412-DMF	○	○	○	
	WNMG060304-DSF	○	○	○	
	WNMG060404-DSF	○	○	○	
	WNMG080404-DSF	○	○	○	
	CCMT060202-DTF	▲	○	○	
	CCMT060204-DTF	▲	○	○	
	CCMT060208-DTF	▲	○	○	
	CCMT09T302-DTF	▲	○	○	
	CCMT09T308-DTF	▲	○	○	
	CCMT09T312-DTF	▲	○	○	

图 片	型 号	涂层牌号			
		DP3120	DP3210	DP3220	DP3310
	CCMT09T304-DTF		▲	●	
	CCMT09T308-DTF		▲	●	
	CCMT120404-DTF		▲	●	
	CCMT120408-DTF		▲	●	
	CCMT060204-DTM		●	▲	●
	CCMT060208-DTM		▲	●	▲
	CCMT09T304-DTM		●	▲	●
	CCMT09T308-DTM		▲	○	▲
	CCMT120404-DTM		▲	●	▲
	CCMT120408-DTM		▲	○	▲
	CCMT120412-DTM		▲	○	▲
	DCMT070202-DTF		▲	○	
	DCMT070204-DTF		▲	●	
	DCMT070208-DTF		▲	●	
	DCMT11T302-DTF		▲	○	
	DCMT11T304-DTF		▲	●	
	DCMT11T308-DTF		▲	●	
	DCMT11T308-DTF		▲	●	
	DCMT070202-DTM		▲	●	
	DCMT070204-DTM		▲	●	▲
	DCMT11T304-DTM		▲	●	▲
	DCMT11T308-DTM		▲	●	▲
	DCMT11T312-DTM		▲	○	▲
	SCMT09T302-DTF		▲	●	
	SCMT09T304-DTF		▲	●	
	SCMT09T308-DTF		▲	●	
	SCMT09T304-DTM		▲	●	▲
	SCMT120408-DTM		▲	●	▲
	SCMT120404-DTM		▲	●	▲
	SCMT120412-DTM		▲	○	▲
					
	TCMT06T104-DTF		▲	●	
	TCMT06T108-DTF		▲	●	
	TCMT090202-DTF		▲	●	
	TCMT090204-DTF		▲	●	
	TCMT090208-DTF		▲	●	
	TCMT110202-DTF		▲	●	
	TCMT110204-DTF		▲	●	
	TCMT110208-DTF		▲	●	
	TCMT16T302-DTF		▲	●	
	TCMT16T304-DTF		▲	●	
	TCMT16T308-DTF		▲	●	
	TCMT090204-DTM		▲	●	
	TCMT090208-DTM	○	●	▲	
	TCMT110204-DTM		▲	●	
	TCMT110208-DTM	○	●	▲	
	TCMT110212-DTM		▲	○	▲
	TCMT16T304-DTM		▲	●	▲
	TCMT16T308-DTM		▲	●	▲
	TCMT16T312-DTM		▲	○	▲
	VCGT110302-DTF		▲	●	
	VCGT110304-DTF		▲	●	
					
	VBMT110302-DTF		▲	●	
	VBMT110304-DTF		▲	●	
	VBMT110308-DTF		▲	●	
	VBMT160404-DTF		▲	▲	
	VBMT160408-DTF		▲	●	
	VBMT160404-DTM		▲	●	▲
	VBMT160408-DTM		▲	▲	
	VBMT160408-DTM		▲	●	▲
	VBMT160412-DTM		▲	●	▲

> 产品型号 Product Model

图片	型号	涂层牌号			
		DP3120	DP3210	DP3220	DP3310
	CNMG090304-DMM	▲	●	▲	●
	CNMG090308-DMM	▲	●	▲	●
	CNMG120404-DMM	▲	●	▲	●
	CNMG120408-DMM	▲	●	▲	●
	CNMG120412-DMM	▲	●	▲	●
	DNMG110404-DMM	▲	●	▲	●
	DNMG110408-DMM	▲	●	▲	●
	DNMG150404-DMM	▲	●	▲	●
	DNMG150408-DMM	▲	●	▲	●
	DNMG150412-DMM	▲	●	▲	●
	DNMG150604-DMM	▲	●	▲	●
	DNMG150608-DMM	▲	●	▲	●
	DNMG150612-DMM	▲	●	▲	●
	SNMG090304-DMM	▲	●	▲	●
	SNMG090308-DMM	▲	●	▲	●
	SNMG120404-DMM	▲	●	▲	●
	SNMG120408-DMM	▲	●	▲	●
	SNMG120412-DMM	▲	●	▲	●
	TNMG160404-DMM	▲	●	▲	●
	TNMG160408-DMM	▲	●	▲	●
	TNMG160412-DMM	▲	●	▲	●
	TNMG220404-DMM	▲	●	▲	●
	TNMG220408-DMM	▲	●	▲	●
	TNMG220412-DMM	▲	●	▲	●
	VNMG160404-DMM	▲	●	▲	●
	VNMG160408-DMM	▲	●	▲	●
	VNMG160412-DMM	▲	●	▲	●
	WNMG060404-DMM	▲	●	▲	●
	WNMG060408-DMM	▲	●	▲	●
	WNMG080404-DMM	▲	●	▲	●
	WNMG080408-DMM	▲	●	▲	●
	WNMG080412-DMM	▲	●	▲	●
	CCMT060202-DMM	▲	●	▲	●
	CCMT060204-DMM	▲	●	▲	●
	CCMT09T302-DMM	▲	●	▲	●
	CCMT09T304-DMM	▲	●	▲	●
	CCMT09T308-DMM	▲	●	▲	●
	CCMT120404-DMM	▲	●	▲	●
	CCMT120408-DMM	▲	●	▲	●
	DCMT070202-DMM	▲	●	▲	●
	DCMT070204-DMM	▲	●	▲	●
	DCMT070208-DMM	▲	●	▲	●
	DCMT11T302-DMM	▲	●	▲	●
	DCMT11T304-DMM	▲	●	▲	●
	DCMT11T308-DMM	▲	●	▲	●
	SCMT09T302-DMM	▲	●	▲	●
	SCMT09T304-DMM	▲	●	▲	●
	SCMT09T308-DMM	▲	●	▲	●
	SCMT120404-DMM	▲	●	▲	●
	SCMT120408-DMM	▲	●	▲	●
	SCMT120412-DMM	▲	●	▲	●
	TCMT090202-DMM	▲	●	▲	●
	TCMT090204-DMM	▲	●	▲	●
	TCMT110202-DMM	▲	●	▲	●
	TCMT110204-DMM	▲	●	▲	●
	TCMT110208-DMM	▲	●	▲	●
	TCMT16T304-DMM	▲	●	▲	●
	TCMT16T308-DMM	▲	●	▲	●
	VBMT160404-DMM	▲	●	▲	●
	VBMT160408-DMM	▲	●	▲	●
	VBMT160412-DMM	▲	●	▲	●
	CNMG120404-DMA	▲	●	▲	●
	CNMG120408-DMA	▲	●	▲	●
	CNMG120412-DMA	▲	●	▲	●
	SNMG120404-DMA	▲	●	▲	●
	SNMG120408-DMA	▲	●	▲	●

图片	型号	涂层牌号			
		DP3120	DP3210	DP3220	DP3310
	TNMG160404-DMA	▲	●	▲	●
	TNMG160408-DMA	▲	●	▲	●
	WNMG080404-DMA	▲	●	▲	●
	WNMG080408-DMA	▲	●	▲	●
	WNMG080412-DMA	▲	●	▲	●
	CCMT060204-OG2	▲	●	▲	●
	CCMT060208-OG2	▲	●	▲	●
	CCMT09T304-OG2	▲	●	▲	●
	CCMT09T308-OG2	▲	●	▲	●
	CCMT120404-OG2	▲	●	▲	●
	CCMT120408-OG2	▲	●	▲	●
	DCMT070204-OG2	▲	●	▲	●
	DCMT11T304-OG2	▲	●	▲	●
	DCMT11T308-OG2	▲	●	▲	●
	DCMT070204-DMV	▲	●	▲	●
	DCMT11T304-DMV	▲	●	▲	●
	DCMT11T308-DMV	▲	●	▲	●
	TCMT110202-OG2	▲	●	▲	●
	TCMT110204-OG2	▲	●	▲	●
	TCMT110208-OG2	▲	●	▲	●
	TCMT16T304-OG2	▲	●	▲	●
	TCMT16T308-OG2	▲	●	▲	●
	TPMH110304-DMV	▲	●	▲	●
	VBMT110304-DMV	▲	●	▲	●
	VBMT160404-DMV	▲	●	▲	●
	VBMT160408-DMV	▲	●	▲	●
	CCMT060204-DGM	▲	●	▲	●
	CCMT060208-DGM	▲	●	▲	●
	CCMT09T304-DGM	▲	●	▲	●
	CCMT120404-DGM	▲	●	▲	●
	CCMT120408-DGM	▲	●	▲	●
	DCMT070204-DGM	▲	●	▲	●
	DCMT070208-DGM	▲	●	▲	●
	DCMT11T304-DGM	▲	●	▲	●
	DCMT11T308-DGM	▲	●	▲	●
	SCMT09T304-DGM	▲	●	▲	●
	SCMT09T308-DGM	▲	●	▲	●
	TCMT110204-DGM	▲	●	▲	●
	TCMT110208-DGM	▲	●	▲	●
	TCMT16T304-DGM	▲	●	▲	●
	TCMT16T308-DGM	▲	●	▲	●
	VBMT160404-DGM	▲	●	▲	●
	VBMT160408-DGM	▲	●	▲	●
	E-TDC2	▲	●	▲	●
	E-TDC3	▲	●	▲	●
	E-TDC4	▲	●	▲	●
	E-TDC5	▲	●	▲	●
	MGMN200-M	▲	●	▲	●
	MGMN250-M	▲	●	▲	●
	MGMN300-M	▲	●	▲	●
	MGMN400-M	▲	●	▲	●
	MGMN500-M	▲	●	▲	●
	MGMN600-M	▲	●	▲	●
	MGMN150-G	▲	●	▲	●
	MGMN200-G	▲	●	▲	●
	MGMN250-G	▲	●	▲	●
	MGMN300-G	▲	●	▲	●
	MRMN200-M	▲	●	▲	●
	MRMN300-M	▲	●	▲	●
	MRMN400-M	▲	●	▲	●
	MRMN500-M	▲	●	▲	●

图片	型号	涂层牌号			
		DP3120	DP3210	DP3220	DP3310
	TPGH060204L-F	▲	●	▲	●
	TPGH110304L-F	▲	●	▲	●
	TPGH080202L-F	▲	●	▲	●
	TPGH110302L-F	▲	●	▲	●
	TPGH080204L-F	▲	●	▲	●
	TPGH090204L-F	▲	●	▲	●
	TPGH080202L-F	▲	●	▲	●
	TPGH080202L	▲	●	▲	●
	TPGH020204L	▲	●	▲	●
	TPGH090202L	▲	●	▲	●
	TPGH090204L	▲	●	▲	●
	TPGH110302L	▲	●	▲	●
	TPGH110302L	▲	●	▲	●
	TPGH11T304L	▲	●	▲	●
	TPGH11T304R	▲	●	▲	●
	TPGH11T302R	▲	●	▲	●

> DO2110

坚硬的基体与超厚TiCN+超厚Al₂O₃完美结合，具有最强的耐磨性能和抗化学磨损能力以及隔热能力；实现高速、高效、环保式切削。

Hard substrate perfectly combined with ultra thick TiCN and ultra thick Al₂O₃, DO2110 is optimized for the best wear resistance, chemical wear resistance and heat-insulating capability. It can realize high-speed, high-efficiency, and environmental cutting.

> DO2120

DO2120 基体为中粗晶粒的硬质合金，涂层为耐磨的CVD氧化铝涂层，具有很好的韧性和耐磨性，与DO2120相比耐磨性显著提高，更适合灰铁的中等速度车削。

Mild-coarse grain substrate combines with hard-wearing alumina CVD coating, DO2120 is optimized for wear resistance and impact resistance and better than DO2120, it is preferred in low-medium speed turning in gray iron.

> DO2220

坚硬的基体与超厚TiCN+超厚Al₂O₃完美结合，具有良好的抗剥落性，适用于铸铁中高速切削，在中速切削时还能承受轻微断续加工；应用于铣削时也有较强的通用性。

Hard substrate perfectly combined with ultra thick TiCN and ultra thick Al₂O₃, DO2220 is optimized for excellent spalling resistance. It's suitable for medium and high-speed cutting in cast iron, besides slight interrupted turning. It also has good versatility in milling.

材料组 Material Group	DO2110	DO2220	DO2120
	切削速度/Cutting Speed m/min		
K1	200-480	180-450	160-420
K2	180-460	170-430	150-400
K3	160-430	160-400	150-380



加工数量对比 Processing Quantity Contrast		
对比单位 Unit of Contrast	某公司刀片 Other Company	我公司刀片 DOHRE
加工件数 Quantity of Cutting	420	600



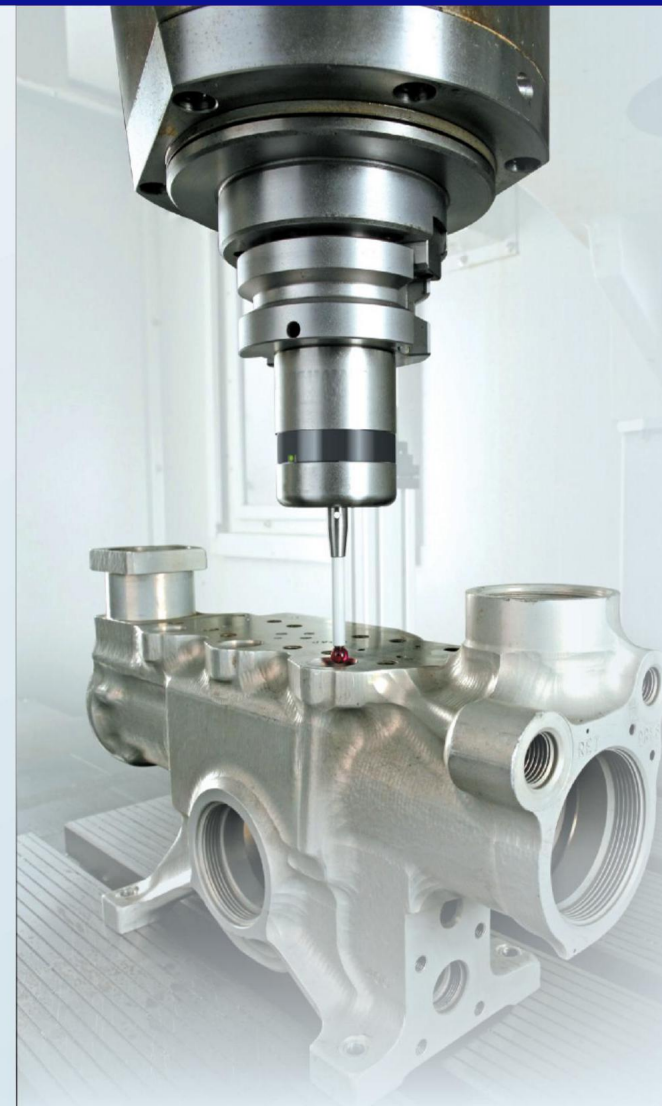
刀片型号/Insert Type:
CCMT09T308-DTR DO2120
工件/Material: 压缩机法兰
材料/Workpiece: Fc250
切削参数/Cutting Parameters:
Vc=320m/min
ap=2mm
fn=0.2mm/r

> 产品型号 Product Model

图 片	型 号	涂层牌号		
		002110	002220	002120
	CNMA120404	○	●	▲
	CNMA120408	○	●	▲
	CNMA120412		●	▲
	CNMA160608		●	▲
	CNMA160612	○	●	▲
	CNMA160616		●	▲
	CNMA160620		●	▲
	CNMA190612	○	●	▲
	CNMA190616	●	●	▲
	DNMA110416		●	▲
	DNMA150404	○	●	▲
	DNMA150408	○	●	▲
	DNMA150602		●	▲
	DNMA150604		●	▲
	DNMA150608	○	●	▲
	DNMA150612	○	●	▲
	DNMA150616		●	▲
	SNMA120402		●	▲
	SNMA120408	○	●	▲
	SNMA120412		●	▲
	SNMA120416		●	▲
	SNMA120606		●	▲
	SNMA150608	○	●	▲
	SNMA150612		●	▲
	SNMA190612		●	▲
	SNMA190616		●	▲
	TNMA160404	○	●	▲
	TNMA160408	○	●	▲
	TNMA160412		●	▲
	TNMA160416		●	▲
	TNMA220408	○	●	▲
	TNMA220412		●	▲
	TNMA220616		●	▲
	WNMA060404	○	●	▲
	WNMA060412		●	▲
	WNMA080408	○	●	▲
	WNMA080412		●	▲
	WNMA080416		●	▲
	CNMG120404	○	●	▲
	CNMG120408	○	●	▲
	CNMG120412		●	▲
	CNMG160608	○	●	▲
	CNMG160612		●	▲
	CNMG160616		●	▲
	CNMG190608	○	●	▲
	CNMG190612		●	▲
	CNMG190616		●	▲
	DNMG116408	○	●	▲
	DNMG150404	○	●	▲
	DNMG150408	○	●	▲
	DNMG150604	○	●	▲
	DNMG150608	○	●	▲
	DNMG150612		●	▲
	SNMG090304	○	●	▲
	SNMG090308	○	●	▲
	SNMG120404	○	●	▲
	SNMG120408	○	●	▲
	SNMG120412		●	▲
	SNMG120416		●	▲
	SNMG150608	○	●	▲
	SNMG150612		●	▲
	SNMG190612		●	▲
	SNMG190616		●	▲
	SNMG250724		●	▲
	SNMG250924		●	▲

图 片	型 号	涂层牌号		
		002110	002220	002120
	TNMG120404	○	●	▲
	TNMG120408	○	●	▲
	TNMG120412		●	▲
	TNMG160608	○	●	▲
	TNMG160612		●	▲
	TNMG160616		●	▲
	VNMG160620	○	●	▲
	VNMG190612	○	●	▲
			●	▲
	WNMG120404	○	●	▲
	WNMG120404	○	●	▲
	WNMG120404		●	▲
			●	▲
			●	▲
			●	▲
			●	▲
	CNMG120408-DPR	○	●	▲
	CNMG120412-DPR		●	▲
	CNMG120416-DPR		●	▲
	CNMG160608-DPR	○	●	▲
	CNMG160612-DPR		●	▲
	CNMG160616-DPR		●	▲
	CNMG190608-DPR	○	●	▲
	CNMG190612-DPR		●	▲
	CNMG190616-DPR		●	▲
	DNMG150408-DPR	○	●	▲
	DNMG150412-DPR		●	▲
	DNMG150416-DPR		●	▲
	DNMG150608-DPR	○	●	▲
	DNMG150612-DPR		●	▲
	DNMG150616-DPR		●	▲
			●	▲
	SNMG120408-DPR	○	●	▲
	SNMG120412-DPR		●	▲
	SNMG150612-DPR		●	▲
	SNMG150616-DPR		●	▲
	SNMG190612-DPR		●	▲
	SNMG190616-DPR		●	▲
			●	▲
			●	▲
	WNMG080408-DPR	○	●	▲
	WNMG080408-DPR		●	▲
			●	▲
			●	▲
	CCMT060208-DTR	○	●	▲
	CCMT09T304-DTR	○	●	▲
	CCMT09T308-DTR	○	●	▲
	CCMT120408-DTR	○	●	▲
	CCMT120412-DTR		●	▲
	DCMT11T304-DTR	○	●	▲
	DCMT11T308-DTR	○	●	▲
			●	▲
			●	▲
			●	▲
			●	▲
			●	▲
	SCMT09T304-DTR	○	●	▲
	SCMT09T308-DTR	○	●	▲
	SCMT120404-DTR	○	●	▲
	SCMT120408-DTR	○	●	▲
	SCMT120412-DTR		●	▲
	TCMT16T308-DTR	○	●	▲
	TCMT220408-DTR	○	●	▲
			●	▲
	VBMT160404-DTR	○	●	▲
	VBMT160408-DTR	○	●	▲
			●	▲
			●	▲
			●	▲
			●	▲
			●	▲
			●	▲

图 片	型 号	涂层牌号		
		002110	002220	002120
	CNMG120408-DGH		●	▲
	CNMG120412-DGH		●	▲
			●	▲
	WNMG060404-DZT		●	▲
	WNMG060412-DZT		●	▲
	WNMG080408-DZT		●	▲
	WNMG080412-DZT		●	▲
	WNMG080416-DZT		●	▲
	CNMG120404-DZT		●	▲
	CNMG120408-DZT		●	▲
	CNMG120412-DZT		●	▲
	CNMG160608-DZT		●	▲
	CNMG160612-DZT		●	▲
	CNMG160616-DZT		●	▲
	CNMG190608-DZT		●	▲
	CNMG190612-DZT		●	▲
	CNMG190616-DZT		●	▲
	DNMG116408-DZT		●	▲
	DNMG150404-DZT		●	▲
	DNMG150408-DZT		●	▲
	DNMG150604-DZT		●	▲
	DNMG150608-DZT		●	▲
	DNMG150612-DZT		●	▲
	DNMG150616-DZT		●	▲
	SNMG090304-DZT		●	▲
	SNMG090308-DZT		●	▲
	SNMG120404-DZT		●	▲
	SNMG120408-DZT		●	▲
	SNMG120412-DZT		●	▲
	SNMG120416-DZT		●	▲
	SNMG150608-DZT		●	▲
	SNMG150612-DZT		●	▲
	SNMG190612-DZT		●	▲
	SNMG190616-DZT		●	▲
	SNMG250724-DZT		●	▲
	SNMG250924-DZT		●	▲
			●	▲
			●	▲
			●	▲
			●	▲



> DP4130

高韧性高硬度的硬质合金基体结合良好热稳定性的耐磨的含Si图层，适合软钢，不锈钢的铣削。

The highly hard and thin grained substrate combines with Si coating which has wearing resistance and better thermal stability , suited for ISO M and soft steel in milling.

> DH4200

高韧性高硬度的硬质合金基体结合耐磨的AlTiN涂层，具有良好性的韧性和耐磨性，适合中硬度钢件以及铸铁的铣削。

The highly hard and thin grained substrate combines with wearing resistance AlTiN coating, it is optimized for impact resistance and wearing resistance, suited for mid-high hardness steel and cost iron in milling.

> DH4110

基体为高Co含量的硬质合金，涂层为薄的CVD氧化铝涂层，具有较好的韧性和耐磨性，适合于钢材的轻至重型铣削。

High Co element substrate combines with thin alumina CVD coating, it is optimized for impact resistance and wearing resistance, suited for ISO P in light and heavy milling.

> DP4120

基体为高Co含量的粗晶粒的硬质合金，涂层为薄的CVD氧化铝涂层，具有较好的韧性，适合于钢、不锈钢的中至重型铣削。

High Co element and coarse grain substrate combines with thin alumina CVD coating, it is optimized for impact resistance, suited for ISO P and ISO M in light and heavy milling.



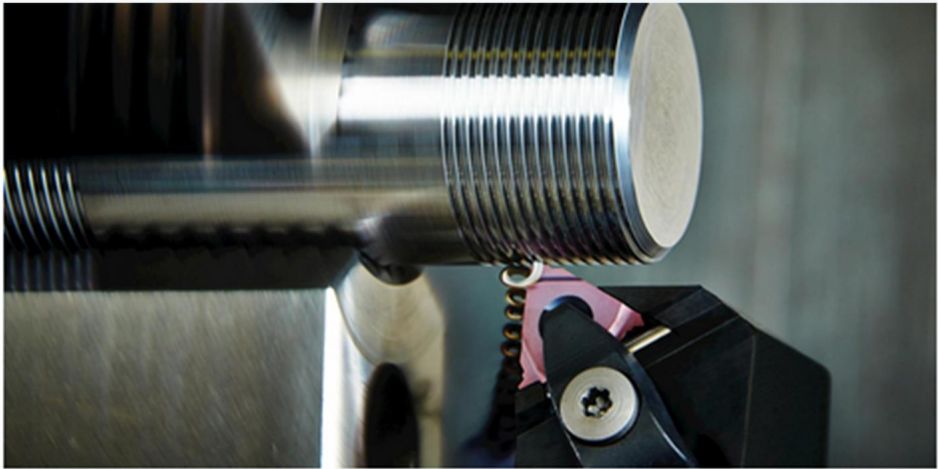
>产品型号 Product Model

图 片	型 号	涂层牌号			
		DP4130	DP4200	DP4120	DH4110
	APMT1135PDER-XM	●	●	●	○
	APMT1605PEER-XM	●	●	●	○
	APMT1135PDER	●	●	●	○
	APMT1605PEER	●	●	●	○
	AOMT180508-M	●	●	●	○
	AOMT180516-M	●	●	●	○
	APMT1135PDER-M2	●	●	●	○
	APMT1135PDER-H2	●	●	●	○
	APMT1135PDER-M	●	●	●	○
	APKT150412-DPM	●	●	●	○
	APMT1604PDER-M2	●	●	●	○
	APMT1604PDER-H2	●	●	●	○
	APMT1135PDER-H	●	●	●	○
	APMT1604PDER-H	●	●	●	○
	APGT1135PDR-G2	●	●	●	○
	RPMT08T2MO-JS	●	●	●	○
	APKT 1003 PDR	●	●	●	○
	APMT 1604PDR	●	●	●	○
	AOMT113608-PM	●	●	●	○
	APMT180612-JC	●	●	●	○
	APKT11T304-ZM	●	●	●	○
	APKT11T308-ZM	●	●	●	○
	APKT160408-ZM	●	●	●	○
	APMT150412-MM	●	●	●	○
	RPMT08T2MO-JS	●	●	●	○
	RPMT10T3MOE-JS	●	●	●	○

图 片	型 号	涂层牌号			
		DP4130	DP4200	DP4120	DH4110
	RCKT10T3MO-DPM	●	●	●	○
	RCKT1204MO-DPM	●	●	●	○
	RCKT1606MO-DPM	●	●	●	○
	RCKT1204MO-DPR	●	●	●	○
	RCKT1606MO-DPR	●	●	●	○
	RCKT2006MO-DPR	●	●	●	○
	RPKT10T3MO	●	●	●	○
	RPKT1204MO	●	●	●	○
	RPKT1606MO	●	●	●	○
	RDKW0803MO-BG	●	●	●	○
	RDKW10T3MO-BG	●	●	●	○
	RDKW1204MO-BG	●	●	●	○
	RDKW1604MO-BG	●	●	●	○
	RPMT1204MOE-JS	●	●	●	○
	RDMT10T3MO-TN	●	●	●	○
	RDMT1204MO-TN	●	●	●	○
	SEET12T3-DPR	●	●	●	○
	SEET12T3-DPR	●	●	●	○
	SEMT13T308-XM	●	●	●	○
	SEMT13T320-XM	●	●	●	○
	SPMT120408-DPM	●	●	●	○
	SEET09T308PER-DPM	●	●	●	○
	SDMT 09T37-SM	●	●	●	○
	SEET12T3-GM	●	●	●	○
	SEET12T3M-PM	●	●	●	○
	SEET12T3K-MM	●	●	●	○
	SEMT1706AFN-XM	●	●	●	○
	SPMT120408-XM7	●	●	●	○

图 片	型 号	涂层牌号			
		DP4130	DP4200	DP4120	DH4110
	SEET12T3-DPF	●	●	●	○
	SEET12T3-DPM	●	●	●	○
	PDKX1204MO	●	●	●	○
	PDKX1606MO	●	●	●	○
	PDKX1204MO-BG	●	●	●	○
	PDKX1606MO-BG	●	●	●	○
	WPGT050315ZSR	●	●	●	○
	WPGT060415ZSR	●	●	●	○
	WPGT080615ZSR	●	●	●	○
	WPGT090725ZSR	●	●	●	○
	LNMU 0303 ZER-GMJ	●	●	●	○
	RPMT1204MO-TT	●	●	●	○
	RPMT1003MO-M-C	●	●	●	○
	RPMT1204MO-M-C	●	●	●	○
	RCKT10T3MO-XM	●	●	●	○
	RCKT1204MO-XM	●	●	●	○
	SDMT09T312-DPM	●	●	●	○
	SDMT120412-DPM	●	●	●	○
	SNMX1206-AGSN	●	●	●	○
	SPMG050204DG	●	●	●	○
	SPMG060204DG	●	●	●	○
	SPMG07T308DG	●	●	●	○
	SPMG090408DG	●	●	●	○
	SPMG110408DG	●	●	●	○

>产品型号 Product Model



> DP3120

采用Ti(C,N)和Al₂O₃涂层, 实现最佳韧性和耐磨性相结合, 拥有较强的抗塑性变形能力和刃口强度, 适用于在连续切削和断续切削条件下的半精加工到粗加工; 实现高速、高效、环保式切削。

Adopted with thick TiCN and thick Al₂O₃ coating , It's optimized for impact resistance and wearing resistance DP3120 has strength resistance to plastic deformation and blade intensity , suitable for semi-finishing and rough cutting in continuous and interrupted.It can realize high-speed high-efficiency and environmental cutting.

> DP3210

高硬度的硬质合金基体, 具有较好的高温红硬性。匹配通用性的PVD复合涂层, 推荐用于不锈钢材质的车削和铣削加工。

With highly hard substrate , favorable red hardness and excellentversatilith.DP3210 is preferred in turning andmilling stainless steel.

> DP3220

高硬度硬质合金基体, 兼具良好的抗冲击性能, 具有优异的刃口安全性。配和通用性良好的PVD图层, 优选用于不锈钢材料的断续车削和铣削加工。

The highly hard substrate combines both favorable shock resistance and blade security.used PVD coating with excellent versatility,it is preferred in interrupted turning and milling stainless steel.

> DH1120

涂层集体内的复钴层结构使其韧性与耐磨性达到最佳的组合; 使用极为广泛, 适用于刚类零件的半精加工、精加工。

Adopted with Co-structure substrate , DH1120 is optimized for the best combination of toughness and wearing resistance.It's wide range applicative and suitable for semi-finishing and finishing ISO P material.

图 片	型 号	涂层牌号			
		DP3120	DP3210	DH1120	
	16IR150ISO	▲	▲	●	
	16IR200ISO	▲	▲	●	
	16IR250ISO	▲	▲	●	
	16IR300ISO	▲	▲	●	
	22IR150ISO	▲	▲	●	
	22IR200ISO	▲	▲	●	
	22IR250ISO	▲	▲	●	
	22IR300ISO	▲	▲	●	

图 片	型 号	涂层牌号			
		DP3120	DP3210	DP3220	DH1120
	16ER11W	▲	▲	●	
	16ER14W	▲	▲	●	
	16ER19W	▲	▲	●	
	22ER11W	▲	▲	●	
	22ER14W	▲	▲	●	
	22ER19W	▲	▲	●	
	16IR11W	▲	▲	●	
	16IR14W	▲	▲	●	
	16IR19W	▲	▲	●	
	22IR11W	▲	▲	●	
	22IR14W	▲	▲	●	
	22IR19W	▲	▲	●	
	16ER150ISO	▲	▲	●	
	16ER200ISO	▲	▲	●	
	16ER250ISO	▲	▲	●	
	16ER300ISO	▲	▲	●	
	22ER150ISO	▲	▲	●	
	22ER200ISO	▲	▲	●	
	22ER250ISO	▲	▲	●	
	22ER300ISO	▲	▲	●	
	16ER11BSPT	▲	▲	●	
	16ER14BSPT	▲	▲	●	
	16ER19BSPT	▲	▲	●	
	22ER11BSPT	▲	▲	●	
	22ER14BSPT	▲	▲	●	
	22ER19BSPT	▲	▲	●	
	16IR11BSPT	▲	▲	●	
	16IR14BSPT	▲	▲	●	
	16IR19BSPT	▲	▲	●	
	22IR11BSPT	▲	▲	●	
	22IR14BSPT	▲	▲	●	
	22IR19BSPT	▲	▲	●	
	16ER18NPT	▲	▲	●	
	16ER14NPT	▲	▲	●	
	16ER115NPT	▲	▲	●	
	22ER18NPT	▲	▲	●	
	22ER14NPT	▲	▲	●	
	22ER115NPT	▲	▲	●	
	16IR18NPT	▲	▲	●	
	16IR14NPT	▲	▲	●	
	16IR115NPT	▲	▲	●	
	22IR18NPT	▲	▲	●	
	22IR14NPT	▲	▲	●	
	22IR115NPT	▲	▲	●	
	16ERAG60	▲	▲	●	
	16ERAG55	▲	▲	●	
	22ERAG60	▲	▲	●	
	22ERAG55	▲	▲	●	
	16IRAG60	▲	▲	●	
	16IRAG55	▲	▲	●	
	22IRAG60	▲	▲	●	
	22IRAG55	▲	▲	●	

< 铝合金ALLOY ALUMINUM



> ALH10

用于半精到粗车削加工。铝合金和其他有色金属。工序：车削、车端面 and 仿形切削。优点：开放的正前角槽形可在高切削速度下切削轻快。使用尽可能高的切削速度可获得更加的生产效率。局限性：多用于有色金属材料加工。典型零件：普通的铝材零件。

Used for semi-finishing and rough turn. Aluminum alloy and other non-ferrous meta. Procedure: turning,end face and copying cutt. Advantages: open positive rake angle chipbreaker in high cutting speed cutting light. Used as far as possible the high cutting speed can be obtained more production efficiency. Limits: used for non-ferrous metal material proce. Typical parts: ordinary aluminum p.

> AK10

独一无二的三维断屑槽及大的容屑槽设计，有效保证了刀片的断屑和排屑性能；大前角及后角使刀片刃口更加锋利，切削更加轻快，并有效降低了切削负载；刃倾角的设计有效控制了切屑的流向；刀片前刀面的镜面效果，有效降低了切屑与前刀面发生粘结的可能性，并有效遏制了积屑瘤的产生，从而可以获得高的表面质量及刀片寿命。

Unique three-dimensional chip breaker and sufficient Chip Pocket can efficiently guarantee chip break and chip removal performance. Large rake angle and back angle form sharp cutting edge, it's optimized quick cutting and lower cutting loading. Special design in cutting edge inclination can efficiently control flow direction of chip. Mirror effect in rake angle can efficiently reduce the possibility of bonding and restrain built-up edge, consequently obtains good surface quality and insert life.

< 产品型号 Product model

图片	型号	ALH10
	CCGT09T301-ALH	▲
	CCGT09T302-ALH	▲
	CCGT09T304-ALH	▲
	DCGT11T302-ALH	▲
	DCGT11T304-ALH	▲
	DCGT11T308-ALH	▲

图片	型号	ALH10
	TCGT16T304-ALH	▲
	TCGT16T308-ALH	▲
	VCGT160404-ALH	▲
	VCGT160408-ALH	▲
	VCGT220530-ALH	▲

▲ 主推牌号备库存Featured grade inventory ● 可选牌号备库存Optinal grade inventory ○ 按订单生产Make-to-order

> 产品型号 Product Model

图片	型号	AK10
	TCGX090202-AK	▲
	TCGX090204-AK	▲
	TCGX110202-AK	▲
	TCGX110204-AK	▲
	TCGX110208-AK	▲
	TCGX16T304-AK	▲
	TCGX16T308-AK	▲
	VCGX110202-AK	▲
	VCGX110204-AK	▲
	VCGX110302-AK	▲
	VCGX110304-AK	▲
	VCGX110308-AK	▲
	VCGX160402-AK	▲
	VCGX160404-AK	▲
	VCGX160408-AK	▲
	VCGX160412-AK	▲
	VCGX220530-AK	▲
	APGT1135PDER-AK	▲
	APKT160402-AK	▲
	APKT160404-AK	▲
	CCGT060202-AK	▲
	CCGT060204-AK	▲
	CCGT09T304-AK	▲
	CCGT09T308-AK	▲
	CCGT120404-AK	▲
	CCGT120408-AK	▲
	DCGT070202-AK	▲
	DCGT070204-AK	▲
	DCGT11T302-AK	▲
	DCGT11T304-AK	▲
	TCGT090204-AK	▲
	TCGT110204-AK	▲
	TCGT16T302-AK	▲

图片	型号	AK10
	APKT1135PDFR-AK	▲
	APKT1003PDFR-AK	▲
	APKT1604PDFR-AK	▲
	SNMG120404-AK	▲
	SNMG120408-AK	▲
	SNMG120412-AK	▲
	VNMG160404-AK	▲
	VNMG160408-AK	▲
	WNMG060404-AK	▲
	WNMG060408-AK	▲
	WNMG080404-AK	▲
	WNMG080408-AK	▲
	CCGX060202-AK	▲
	CCGX060204-AK	▲
	CCGX09T302-AK	▲
	CCGX09T304-AK	▲
	CCGX09T308-AK	▲
	CCGX120404-AK	▲
	SCGX09T304-AK	▲
	SCGX09T308-AK	▲
	SCGX120408-AK	▲
	DCGX070202-AK	▲
	DCGX070204-AK	▲
	DCGX11T302-AK	▲
	DCGX11T304-AK	▲
	DCGX11T308-AK	▲
	RCGT060202-AK	▲
	RCGT060202-AK	▲
	SEKT060202-AK	▲
	SEKT060202-AK	▲

图片	型号	AK10
	VCGT110302-AK	▲
	VCGT110304-AK	▲
	VCGT160402-AK	▲
	VCGT160404-AK	▲
	VCGT160408-AK	▲
	VBGT160402-AK	▲
	VBGT160404-AK	▲
	VBGT160408-AK	▲
	CNMG120402-AK	▲
	CNMG120404-AK	▲
	CNMH120408-AK	▲
	CNMG120412-AK	▲
	DNMG150404-AK	▲
	DNMG150408-AK	▲
	DNMG150604-AK	▲
	DNMG150608-AK	▲
	TNMG160404-AK	▲
	TNMG160408-AK	▲
	TNMG160412-AK	▲
	TNMG220408-AK	▲
	TNMG220412-AK	▲
	SEKT1204AFFN-AK	▲
	SCGT09T3-AK	▲
	SCGT1204-AK	▲
	RCGT10T3MO-AK	▲
	RCGT1204MO-AK	▲
	RCGT080304-AK	▲
	VCGX070204-AK	▲
	VCGX070208-AK	▲
	CCGX060204-AK	▲
	CCGX060208-AK	▲

▲ 主推牌号备库存Featured grade inventory ● 可选牌号备库存Optinal grade inventory ○ 按订单生产Make-to-order