

责任铸就卓越
Obligation Keeps Excellence

OKE | 欧科亿
数控精密刀具

股票代码:688308

行业应用切削工具样本

INDUSTRY APPLICATION

CUTTING TOOL

CATALOG

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国内销售服务电话

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CATALOG

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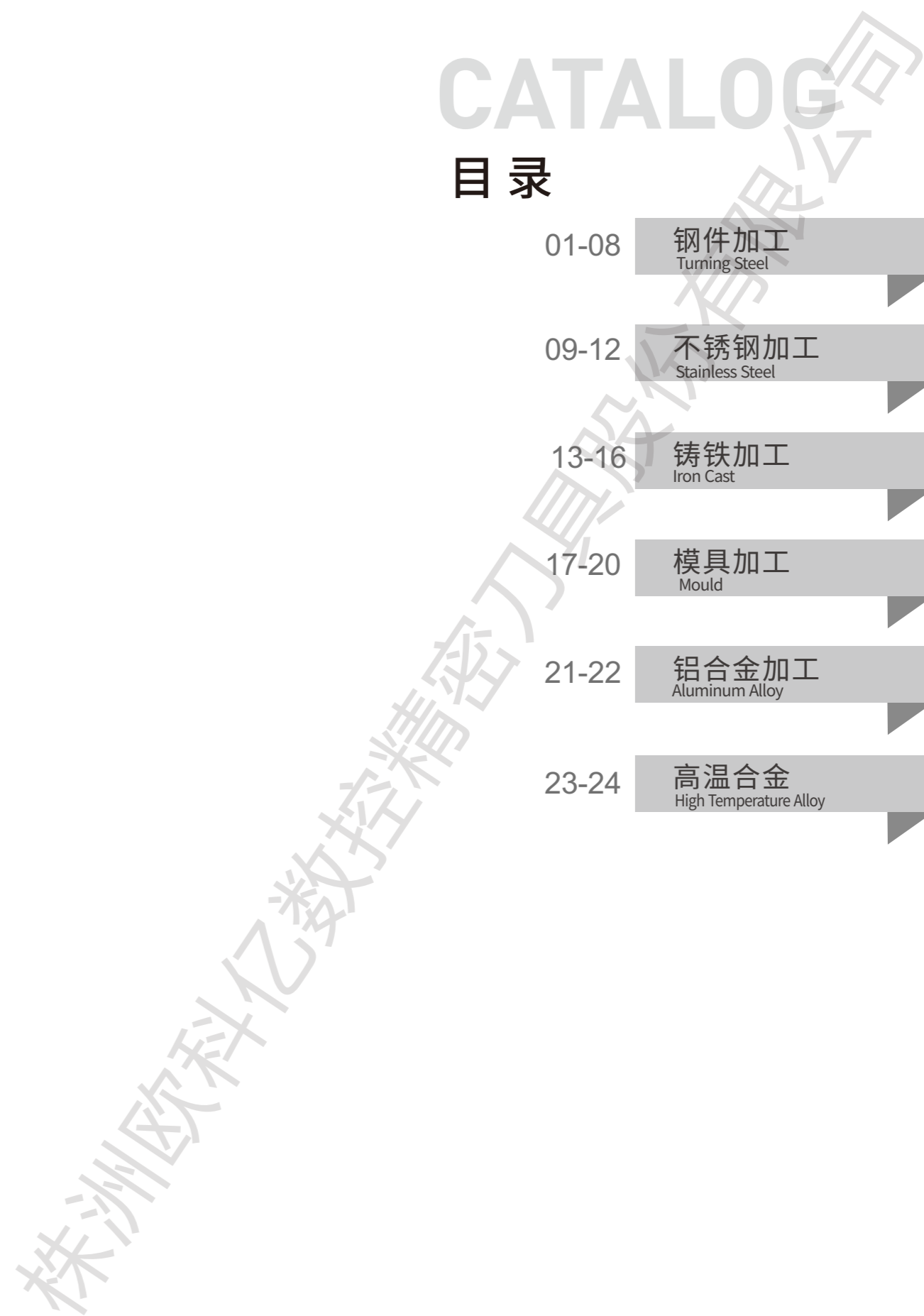
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Turning Steel 钢件加工

OC2015

高立方相含量梯度层硬质合金基体，有很好的抗塑性变形能力和优异的高温性能。MT-TiCN+Al₂O₃+TiN涂层，表层TiN涂层有很好的表面光洁度，并易于识别磨损。适用于钢件材料的半精加工到精加工。

high cubic content gradient carbide substrate, gives good anti-deformation resistance and excellent high temperature performance. MT-TiCN+Al₂O₃+TiN coating has very good surface quality, and easy to recognize wear.

Suitable for semifinishing to finishing steel machining.

OC2025

较高立方相含量梯度层硬质合金基体，有很好的抗塑性变形能力和韧性。MT-TiCN+Al₂O₃+TiN涂层，表层TiN涂层有很好的表面光洁度，并易于识别磨损。适用于钢件材料的半精加工及粗加工。

Relatively High cubic gradient carbide substrate, with good anti-deformation resistance and toughness. MT-TiCN+Al₂O₃+TiN coating has very good surface quality, and easy to recognize wear.

Suitable for semifinishing to roughing steel machining.

OC2115

低Co高立方相含量硬质合金基体搭配较厚TiCN和较厚Al₂O₃涂层，经特殊后处理工艺，具有极好的耐磨性能。钢类零件精加工及连续工况半精加工首选牌号。

Low Cobalt content, and high cubic content carbide substrate combine with thick TiCN and Al₂O₃, treated by special after coating treatment, which gives insert wonderful wearing resistance.

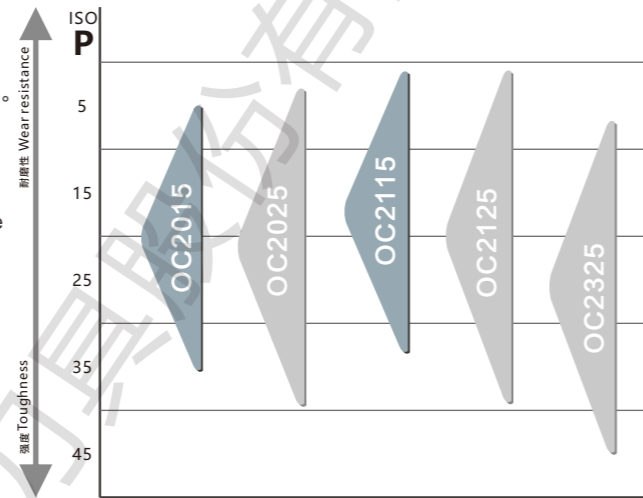
Preferred grade for semifinishing to finishing steel machining.

OC2125

中Co高立方相含量硬质合金基体搭配较厚TiCN和较厚Al₂O₃涂层，经特殊后处理工艺，具有较好的耐磨性能。钢件材料半精加工及粗加工的首选牌号。

Low Cobalt content, and high cubic content carbide substrate combine with thick TiCN and Al₂O₃, treated by special after coating treatment, which gives insert wonderful wearing resistance.

Preferred grade for semifinishing to finishing steel machining.



OC2325

中Co高立方相含量硬质合金基体搭配强织构化的TiCN和Al₂O₃涂层，经特殊后处理工艺，具有突出的耐磨性能。

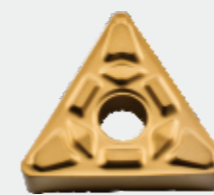
钢件材料连续车削加工

Medium cobalt content, and high cubic content carbide substrate combine with strong texture TiCN and Al₂O₃ coating. After special treatment, it has wonderful abrasion resistance.

Suitable for general steel turning.



专业的槽型设计 Professional Chip Breaker Design



OPF

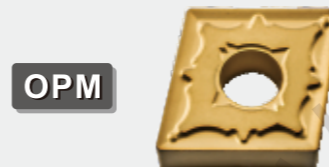


OPF

钢类材料精加工槽型；独特的槽型能有效控制切屑的卷曲和断屑；刃口锋利，切削轻快；可获得良好的表面质量。

FINISHING

Finishing chipbreaker for steel machining; Special designed for steel finishing; Unique design efficiently controls the form of chip and breaks chip; Sharp cutting edge, smooth cutting; Excellent surface quality.



OPM

OPM

钢类材料半精加工槽型；负倒棱设计，增强刀片刃口强度和抗冲击性能；双断屑台设计，扩大断屑范围。

SEMI-FINISHING

Semi-finishing chipbreaker for steel machining. Negative chamfer designation gives blade good strength; Double chipbreaker lands, makes bigger chip control range.



OPR

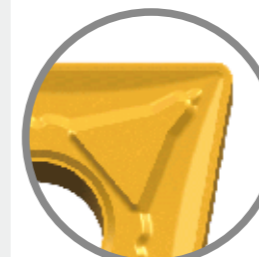
OPR

OPR

特殊的双前角和宽刃带及负倒棱三维断屑槽设计；具有很好的刃口强度，延长切削寿命；适用于钢类材料的粗加工和断续加工。

ROUGHING

Three-dimension designed with double rake angle, wide margin and negative chamfer; Wonderful blade intensity gives a longer tool life time; Suitable for steel roughing machining.



产品型号 Product Model

刀片外形 Insert Shape	型号 Type	P				
		OC2015	OC2025	OC2115	OC2125	OC2325
	CNMG120404-OPF			▲	●	▲
	CNMG120408-OPF			▲	●	▲
	CNMG120404-OPM			●	▲	▲
	CNMG120408-OPM			●	▲	▲
	CNMG120412-OPM			●	▲	▲
	CNMG120416-OPM			●	▲	▲
	CNMG160608-OPM			●	▲	▲
	CNMG160612-OPM			●	▲	▲
	CNMG160616-OPM			●	▲	▲
	CNMG190608-OPM			●	▲	▲
	CNMG190612-OPM			●	▲	▲
	CNMG190616-OPM			●	▲	▲
	CNMG120404-OMM			●	▲	▲
	CNMG120408-OMM			●	▲	▲
	CNMG160608-OMM			●	▲	▲
	CNMG090308-MF					▲
	CNMG120408-MF			▲	▲	▲
	CNMG120412-MF			▲	▲	▲
	CNMG160612-MF			▲	▲	▲
	CNMG120404-OSM					▲
	CNMG120408-OSM					▲
	CNMG120412-OSM					▲
	CNMG120408-OPR		●	●	▲	▲
	CNMG120412-OPR		●	●	▲	▲
	CNMG120416-OPR		●	●	▲	▲
	CNMG160608-OPR		●	●	▲	▲
	CNMG160612-OPR		●	●	▲	▲
	CNMG160616-OPR		●	●	▲	▲
	CNMG190608-OPR		●	●	▲	▲
	CNMG190612-OPR		●	●	▲	▲
	CNMG190616-OPR		●	●	▲	▲
	CNMM190616-PR		●	●	▲	▲

刀片外形 Insert Shape	型号 Type	P				
		OC2015	OC2025	OC2115	OC2125	OC2325
	CNMG120404		●	●	●	▲
	CNMG120408		●	●	●	▲
	CNMG120412		●	●	●	▲
	CNMG160608		●	●	●	▲
	CNMG160612		●	●	●	▲
	CNMG160616		●	●	●	▲
	CNMG190608		●	●	●	▲
	CNMG190612		●	●	●	▲
	CNMG190616		●	●	●	▲
	DNMG110404-OPF		▲	●		▲
	DNMG110408-OPF		▲	●		▲
	DNMG150404-OPF		▲	●		▲
	DNMG150408-OPF		▲	●		▲
	DNMG150604-OPF		▲	●		▲
	DNMG150608-OPF		▲	●		▲
	DNMG110404-MSF				●	▲
	DNMG150404-MSF				●	▲
	DNMG150604-OMF				●	▲
	DNMG150608-OMF				●	▲
		DNMG110404-OPM		●	▲	
DNMG110408-OPM			●	▲		▲
DNMG110412-OPM			●	▲		▲
DNMG150404-OPM			●	▲		▲
DNMG150408-OPM			●	▲		▲
DNMG150412-OPM			●	▲		▲
DNMG150604-OPM			●	▲		▲
DNMG150608-OPM			●	▲		▲
DNMG150612-OPM			●	▲		▲
DNMG110404-OMM				●	●	▲
	DNMG110408-OMM			●	●	▲
	DNMG150404-OMM			●	●	▲
	DNMG150408-OMM			●	●	▲
	DNMG150604-OMM			●	●	▲
	DNMG150608-OMM			●	●	▲
	DNMG150612-OMM			●	●	▲
	DNMG150612-OMM			●	●	▲

▲主推牌号 ●可选牌号 ▲Featured grade ●Optional grade

产品型号 Product Model

刀片外形 Insert Shape	型号 Type	P				
		OC2015	OC2025	OC2115	OC2125	OC2325
	DNMG150408-OPR		●	●	▲	▲
	DNMG150412-OPR		●	●	▲	▲
	DNMG150608-OPR		●	●	▲	▲
	DNMG150612-OPR		●	●	▲	▲
	DNMG150616-OPR		●	●	▲	▲
	DNMG110408			●	●	▲
	DNMG150404			●	●	▲
	DNMG150408			●	●	▲
	DNMG150412			●	●	▲
	DNMG150608			●	●	▲
	DNMG150612			●	●	▲
	SNMG120404-OPF			▲	●	▲
	SNMG120408-OPF			▲	●	▲
	SNMG120404-OPM			●	▲	▲
	SNMG120408-OPM			●	▲	▲
	SNMG120412-OPM			●	▲	▲
	SNMG150608-OPM			●	▲	▲
	SNMG150612-OPM			●	▲	▲
	SNMG190612-OPM			●	▲	▲
	SNMG120404-OMM			●	▲	▲
	SNMG120408-OMM			●	▲	▲
	SNMG120412-OMM			●	▲	▲
	SNMG150608-OMM			●	▲	▲
	SNMG120408-OPR		●	●	▲	▲
	SNMG120412-OPR		●	●	▲	▲
	SNMG150608-OPR		●	●	▲	▲
	SNMG150612-OPR		●	●	▲	▲
	SNMG190612-OPR		●	●	▲	▲
	SNMG190616-OPR		●	●	▲	▲
	SNMM190624-PR		●	●	▲	▲
	SNMM250924-PR		●	●	▲	▲

刀片外形 Insert Shape	型号 Type	P				
		OC2015	OC2025	OC2115	OC2125	OC2325
	SNMG090304				●	▲
	SNMG090308				●	▲
	SNMG120404				●	▲
	SNMG120408				●	▲
	SNMG120412				●	▲
	SNMG120416				●	▲
	SNMG150608				●	▲
	SNMG150612				●	▲
	SNMG190612		●	●	▲	▲
	SNMG190616		●	●	▲	▲
	SNMG250724		●	●	▲	▲
	SNMG250924		●	●	▲	▲
	TNMG160404-OPF			▲	●	▲
	TNMG160408-OPF			▲	●	▲
	TNMG160404-OPM			●	▲	▲
	TNMG160408-OPM			●	▲	▲
	TNMG160412-OPM			●	▲	▲
	TNMG220404-OPM			●	▲	▲
	TNMG220408-OPM			●	▲	▲
	TNMG220412-OPM			●	▲	▲
	TNMG220416-OPM			●	▲	▲
	TNMG160404-OMM				●	▲
	TNMG160408-OMM				●	▲
	TNMG160412-OMM				●	▲
	TNMG220404-OMM			●	▲	▲
	TNMG220408-OMM			●	▲	▲
	TNMG220412-OMM			●	▲	▲
	TNMG160404-OPR		●	●	▲	▲
	TNMG160408-OPR		●	●	▲	▲
	TNMG160412-OPR		●	●	▲	▲
	TNMG160416-OPR		●	●	▲	▲
	TNMG220408-OPR		●	●	▲	▲
	TNMG220412-OPR		●	●	▲	▲
	TNMG220416-OPR		●	●	▲	▲
	TNMG270612-OPR		●	●	▲	▲

▲主推牌号 ●可选牌号 ▲Featured grade ●Optional grade

产品型号 Product Model

刀片外形 Insert Shape	型号 Type	P				
		OC2015	OC2025	OC2115	OC2125	OC2325
	TNMG160408	●	●	●	▲	
	TNMG160412	●	●	●	▲	
	TNMG220404	●	●	●	▲	
	TNMG220408	●	●	●	▲	
	TNMG220412	●	●	●	▲	
	TNMG220416	●	●	●	▲	
	VNMG160404-OPF		▲	●	▲	
	VNMG160408-OPF		▲	●	▲	
	VNMG160404-OPM		●	▲	▲	
	VNMG160408-OPM		●	▲	▲	
	VNMG160412-OPM		●	▲	▲	
	VNMG160404-OMM			●	▲	
	VNMG160408-OMM			●	▲	
	VNMG160408-OPR	●	●	▲	▲	
	VNMG160412-OPR	●	●	▲	▲	
	VNMG160404	●	●			
	VNMG160408	●	●			
	WNMG060404-OPF		▲	●	▲	
	WNMG060408-OPF		▲	●	▲	
	WNMG080404-OPF		▲	●	▲	
	WNMG080408-OPF		▲	●	▲	
	WNMG060408-OPM		●	▲	▲	
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	WNMG080408-OPM		●	▲	▲	
	WNMG080412-OPM		●	▲	▲	
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	WNMG080408-OMM			●		
	WNMG080412-OMM			●		

刀片外形 Insert Shape	型号 Type	P				
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	WNMG080408-OPR	●	●	▲	▲	
	WNMG080412-OPR	●	●	▲	▲	
	WNMG080404	●	●	●	▲	
	WNMG080408	●	●	●	▲	
	WNMG080412	●	●	●	▲	
	CCMT060202-OTF			▲	●	▲
	CCMT060204-OTF			▲	●	▲
	CCMT060208-OTF			▲	●	▲
	CCMT09T304-OTF			▲	●	▲
	CCMT09T308-OTF			▲	●	▲
	CCMT120404-OTF			▲	●	▲
	CCMT120408-OTF			▲	●	▲
	CCMT060204-OTM			●	▲	▲
	CCMT060208-OTM			●	▲	▲
	CCMT09T304-OTM			●	▲	▲
	CCMT09T308-OTM			●	▲	▲
	CCMT120404-OTM			●	▲	▲
	CCMT120408-OTM			●	▲	▲
	CCMT060204-GM			●	▲	▲
	CCMT060208-GM			●	▲	▲
	CCMT09T304-GM			●	▲	▲
	CCMT09T308-GM			●	▲	▲
	CCMT120404-GM			●	▲	▲
	CCMT120408-GM			●	▲	▲
	CCMT060208-OTR			●	▲	▲
	CCMT09T304-OTR			●	▲	▲
	CCMT09T308-OTR			●	▲	▲
	CCMT120408-OTR			●	▲	▲
	CCMT120412-OTR			●	▲	▲
	DCMT070204-OTF			▲	●	▲
	DCMT070208-OTF			▲	●	▲
	DCMT11T302-OTF			▲	●	▲
	DCMT11T304-OTF			▲	●	▲
	DCMT11T308-OTF			▲	●	▲

▲主推牌号 ●可选牌号 ▲Featured grade ●Optional grade

产品型号 Product Model

刀片外形 Insert Shape	型号 Type	P				
		OC2015	OC2025	OC2115	OC2125	OC2325
	DCMT070204-OTM			●	▲	▲
	DCMT070208-OTM			●	▲	▲
	DCMT11T304-OTM			●	▲	▲
	DCMT11T308-OTM			●	▲	▲
	DCMT070204-GM			●	▲	▲
	DCMT070208-GM			●	▲	▲
	DCMT11T304-GM			●	▲	▲
	DCMT11T308-GM			●	▲	▲
	DCMT11T304-OTR			●	▲	▲
	DCMT11T308-OTR			●	▲	▲
	DCMT11T312-OTR			●	▲	▲
	RCMT0803MO	●		▲	▲	
	RCMT1606MO	●		▲	▲	
	RCMX0803MO	●		▲	▲	
	RCMX1003MO	●		▲	▲	
	RCMX1204MO	●		▲	▲	
	RCMX1606MO	●		▲	▲	
	RCMX2006MO	●		▲	▲	
	RCMX2507MO	●		▲	▲	
	RCMX3209MO	●		▲	▲	
	SCMT09T304-OTF			▲	●	▲
	SCMT09T308-OTF			▲	●	▲
	SCMT120404-OTF			▲	●	▲
	SCMT09T304-OTM			●	▲	▲
	SCMT09T308-OTM			●	▲	▲
	SCMT120404-OTM			●	▲	▲
	SCMT120408-OTM			●	▲	▲
	SCMT120412-OTM			●	▲	▲
	SCMT09T304-GM			●	▲	▲
	SCMT09T308-GM			●	▲	▲
	SCMT09T304-OTR			●	▲	▲
	SCMT09T308-OTR			●	▲	▲
	SCMT120404-OTR			●	▲	▲
	SCMT120408-OTR			●	▲	▲
	SCMT120412-OTR			●	▲	▲

刀片外形 Insert Shape	型号 Type	P				
		OC2015	OC2025	OC2115	OC2125	OC2325
	TCMT110202-OTF			▲	●	▲
	TCMT110204-OTF			▲	●	▲
	TCMT16T304-OTF			▲	●	▲
	TCMT16T308-OTF			▲	●	▲
	TCMT090204-OTM			●	▲	▲
	TCMT090208-OTM			●	▲	▲
	TCMT110204-OTM			●	▲	▲
	TCMT110208-OTM			●	▲	▲
	TCMT16T304-OTM			●	▲	▲
	TCMT16T308-OTM			●	▲	▲
	TCMT16T312-OTM			●	▲	▲
	TCMT110204-GM			●	▲	▲
	TCMT110208-GM			●	▲	▲
	TCMT16T304-GM			●	▲	▲
	TCMT16T308-GM			●	▲	▲
	TCMT16T304-OTR			●	▲	▲
	TCMT16T308-OTR			●	▲	▲
	TCMT16T312-OTR			●	▲	▲
	TCMT220408-OTR			●	▲	▲

▲主推牌号 ●可选牌号 ▲Featured grade ●Optional grade

产品型号 Product Model

刀片外形 Insert Shape	型号 Type	P				
		OC2015	OC2025	OC2115	OC2125	OC2325 OKE6220
	VCMT110302-OTF			▲	●	▲
	VCMT110304-OTF			▲	●	▲
	VCMT160404-OTF			▲	●	▲
	VCMT160404-OTM			●	▲	▲
	VCMT160408-OTM			●	▲	▲
	VBMT160404-OTF			▲	●	▲
	VBMT160408-OTF			▲	●	▲
	VBMT110304-OTM			●	▲	▲
	VBMT110308-OTM			●	▲	▲
	VBMT160404-OTM			●	▲	▲
	VBMT160408-OTM			●	▲	▲
	VBMT160412-OTM			●	▲	▲
	VBMT160404-OSM			●	▲	▲
	VBMT160408-OSM			●	▲	▲
	VBMT160404-GM			●	▲	▲
	VBMT160408-GM			●	▲	▲
	VBMT160404-OTR			●	▲	▲
	VBMT160408-OTR			●	▲	▲
	VBMT160412-OTR			●	▲	▲

刀片外形 Insert Shape	型号 Type	P				
		OC2015	OC2025	OC2115	OC2125	OC2325 OKE6220
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	TBGH060202R					▲
	TBGH060204L					▲
	TBGH060204R					▲
	TPGH080202L					▲
	TPGH080204L					▲
	TPGH090202L					▲
	TPGH090204L					▲
	TPGH110302L					▲
	TPGH110304L					▲
	TPGH11T302L					▲
	TPGH11T302R					▲
	TPGH11T304L					▲
	TPGH11T304R					▲

刀片外形 Insert Shape	型号 Type	P			
		OC2015	OC2025	OC2115	OC2125
	KNUX160405L11		●		●
	KNUX160405R11		●		●

刀片外形 Insert Shape	型号 Type	P				
		OC2015	OC2025	OC2115	OC2125	OC2325
	175.32-191940-22		●	●	●	▲
	175.32-191940-24		●	●	●	▲
	175.32-191940-28		●	●	●	▲

▲主推牌号 ●可选牌号 ▲Featured grade ●Optional grade

Stainless Steel 不锈钢加工

OP1205

高Co含量的超细硬质合金基体，具有很好的刃口强度，搭配热稳定性好的PVD含硅涂层，具有摩擦系数小，纳米硬度高等特点。
钢、不锈钢材料的螺纹车削加工。

High Co content and ultra fine WC grain substrate, gives wonderful cutting edge strength, combines with good thermal stability silicon coating, it has very small coefficient of friction, and good nano hardness.
Suitable for steel and stainless steel continue turning and threading.

OP1215

高Co含量超细晶粒的硬质合金基体，具有很好的刃口强度，搭配热稳定性好的PVD含硅涂层，具有摩擦系数小，纳米硬度高等特点。
连续工况下不锈钢材料的半精车削加工及切槽加工；钢、不锈钢材料的铣削及钻削加工。

High Co content and fine WC grain substrate, gives wonderful cutting edge strength, combines with good thermal stability silicon coating, it has very small coefficient of friction, and good nano hardness.
Good at stainless steel semi-finishing turning, parting and grooving processing. preferred grade for steel and stainless steel milling and drilling.



OP1315

高Co含量超细晶粒硬质合金基体，具有很好的刃口强度，搭配全新的PVD AlTiN涂层，具有摩擦系数小，抗氧化温度高，纳米硬度高，突出的耐磨和通用性能等优点。
钢、不锈钢材料的铣削加工。

High Co content and fine WC grain substrate, gives wonderful cutting edge strength, combines with new AlTiN coating, it has very small coefficient of friction, high antioxidant temperature, and good nano hardness.
Preferred grade for steel and stainless steel milling and drilling.

OC4315

中Co高立方相含量硬质合金基体搭配薄的MT-TiCN和薄的Al₂O₃涂层，经特殊后处理工艺，具有较好的耐磨性能和特殊的外观，大大降低的摩擦阻力，并易于加工识别。
适用于不锈钢材料的高速连续车削加工。

Medium Cobalt content, and high cubic content carbide substrate combine with thin TiCN and Al₂O₃, treated by special after coating treatment, which gives insert wonderful wearing resistance.
Preferred grade for stainless steel turning at high speed.

专业的槽型设计 Professional Chip Breaker Design

特殊前角和刃倾角设计；
刀片刃口锋利，切削阻力小，可获得很好的表面质量；
适合于不锈钢材料的精加工。

Finishing
Special designed rake angle and cutting edge inclination;
Sharp cutting edge, small cutting force;
Good machining surface quality;
Suitable for stainless steel finishing.

精加工-OMF



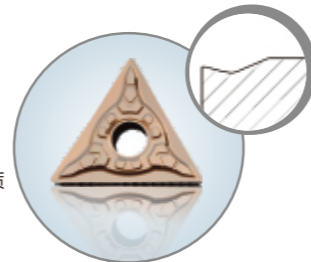
半精加工-OMM

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；
适用于不锈钢材料的半精加工。

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

精加工-MSF

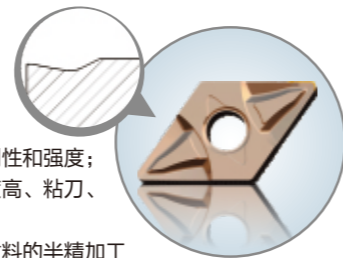
双前角三维槽型设计；
刃口锋利，切削力低；
有效解决了积屑瘤和加工硬化等加工难点；
刃倾角的设计，很好地控制了切屑流向，获得高质量的加工表面；
适合不锈钢材料的精加工。



半精加工-MF

独特的槽型设计；兼顾了刀片刃口的锋利性和强度；
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；
可以获得更高的加工效率；适合不锈钢材料的半精加工

Semi-Finishing
Special chipbreaker design to keep both sharp cutting edge and increased blade intensity;
Efficiently solved break chip, high cutting temperature, sticking, work hardening and other machining problems.
It has very excellent efficiency
Suitable for stainless steel semi-finishing cutting.



产品型号 Product Model

刀片外形 Insert Shape	型号 Type	M			
		OC4315	OP1205	OP1215	OP1315
	CNMG120404-OMF	●	●	▲	●
	CNMG120408-OMF	●	●	▲	●
	CNMG090304-MSF	●	●	▲	●
	CNMG120404-MSF	●	●	▲	●
	CNMG120404-OMM	●	●	▲	●
	CNMG120408-OMM	●	●	▲	●
	CNMG160608-OMM	●	●	▲	●
	CNMG090308-MF	●	●	▲	●
	CNMG120408-MF	●	●	▲	●
	CNMG120412-MF	●	●	▲	●
	CNMG160612-MF	●	●	▲	●
	DNMG110404-MSF	●	▲	●	
	DNMG150404-MSF	●	▲	●	
	DNMG150604-OMF	●	▲	●	
	DNMG150608-OMF	●	▲	●	
	DNMG110404-OMM	●	▲	●	
	DNMG110408-OMM	●	▲	●	
	DNMG150404-OMM	●	▲	●	
	DNMG150408-OMM	●	▲	●	
	DNMG150604-OMM	●	▲	●	
	DNMG150608-OMM	●	▲	●	
	DNMG110408-MF	●	▲	●	
	DNMG150408-MF	●	▲	●	
	DNMG150608-MF	●	▲	●	
	SNMG120408-OMF	●	●	▲	▲
	SNMG120404-OMM	●	●	▲	●
	SNMG120408-OMM	●	●	▲	●
	SNMG120412-OMM	●	●	▲	●
	SNMG150608-OMM	●	●	▲	●

刀片外形 Insert Shape	型号 Type	M			
		OC4315	OP1205	OP1215	OP1315
	SNMG120408-MF	●	●	▲	●
	TNMG160404-OMF	●	●	▲	●
	TNMG160408-OMF	●	●	▲	●
	TNMG160404-MSF	●	●	▲	●
	TNMG160404-OMM	●	●	▲	●
	TNMG160408-OMM	●	●	▲	●
	TNMG160412-OMM	●	●	▲	●
	TNMG220404-OMM	●	●	▲	●
	TNMG220408-OMM	●	●	▲	●
	TNMG220412-OMM	●	●	▲	●
	TNMG160404-MF	●	●	▲	●
	TNMG160408-MF	●	●	▲	●
	TNMG160412-MF	●	●	▲	●
	VNMG160404-MSF	●	●	▲	●
	VNMG160404-OMM	●	●	▲	●
	VNMG160408-OMM	●	●	▲	●
	VNMG160408-MF	●	●	▲	●
	WNMG060408-OMF	●	●	▲	●
	WNMG080404-OMF	●	●	▲	●
	WNMG080408-OMF	●	●	▲	●
	WNMG060304-MSF	●	●	▲	●
	WNMG060404-MSF	●	●	▲	●
	WNMG080404-MSF	●	●	▲	●

▲主推牌号 ●可选牌号 ▲Featured grade ●Optional grade

产品型号 Product Model

刀片外形 Insert Shape	型号 Type	M			
		OC4315	OP1205	OP1215	OP1315
	WNUMG060408-OMM	●	●	▲	●
	WNUMG060412-OMM	●	●	▲	●
	WNUMG080404-OMM	●	●	▲	●
	WNUMG080408-OMM	●	●	▲	●
	WNUMG080412-OMM	●	●	▲	●
	WNUMG060408-MF	●	●	▲	●
	WNUMG080408-MF	●	●	▲	●
	WNUMG080412-MF	●	●	▲	●
	CCMT060202-OTF			▲	●
	CCMT060204-OTF			▲	●
	CCMT060208-OTF			▲	●
	CCMT09T304-OTF			▲	●
	CCMT09T308-OTF			▲	●
	CCMT120404-OTF			▲	●
	CCMT120408-OTF			▲	●
	CCMT060204-OTM			●	●
	CCMT060208-OTM			●	●
	CCMT09T304-OTM			●	●
	CCMT09T308-OTM			●	●
	CCMT120404-OTM			●	●
	CCMT120408-OTM			●	●
	CCMT060202-MSF			●	▲
	CCMT060204-MSF			●	▲
	CCMT09T304-MSF			●	▲
	CCMT09T308-MSF			●	▲
	CCMT120404-MSF			●	▲
	CCMT060204-GM			▲	●
	CCMT060208-GM			▲	●
	CCMT09T304-GM			▲	●
	CCMT09T308-GM			▲	●
	CCMT120404-GM			▲	●
	DCMT070204-OTF			▲	●
	DCMT070208-OTF			▲	●
	DCMT11T302-OTF			▲	●
	DCMT11T304-OTF			▲	●
	DCMT11T308-OTF			▲	●

刀片外形 Insert Shape	型号 Type	M			
		OC4315	OP1205	OP1215	OP1315
	DCMT070204-OTM			●	●
	DCMT070208-OTM			●	●
	DCMT11T304-OTM			●	●
	DCMT11T308-OTM			●	●
	DCMT070204-GM			▲	●
	DCMT070208-GM			▲	●
	DCMT11T304-GM			▲	●
	DCMT11T308-GM			▲	●
	SCMT09T304-OTF			▲	●
	SCMT09T308-OTF			▲	●
	SCMT120404-OTF			▲	●
	SCMT09T304-OTM			●	●
	SCMT09T308-OTM			●	●
	SCMT120404-OTM			●	●
	SCMT120408-OTM			●	●
	SCMT120412-OTM			●	●
	SCMT09T304-GM			▲	●
	SCMT09T308-GM			▲	●

▲主推牌号 ●可选牌号 ▲Featured grade ●Optional grade

产品型号 Product Model

刀片外形 Insert Shape	型号 Type	M			
		OC4315	OP1205	OP1215	OP1315
	TCMT110202-OTF			▲	●
	TCMT110204-OTF			▲	●
	TCMT16T304-OTF			▲	●
	TCMT16T308-OTF			▲	●
	TCMT090204-OTM			●	●
	TCMT090208-OTM			●	●
	TCMT110204-OTM			●	●
	TCMT110208-OTM			●	●
	TCMT16T304-OTM			●	●
	TCMT16T308-OTM			●	●
	TCMT16T312-OTM			●	●
	TCMT110204-GM			▲	●
	TCMT110208-GM			▲	●
	TCMT16T304-GM			▲	●
	TCMT16T308-GM			▲	●
	VCMT110302-OTF			▲	●
	VCMT110304-OTF			▲	●
	VCMT160404-OTF			▲	●

刀片外形 Insert Shape	型号 Type	M			
		OC4315	OP1205	OP1215	OP1315
	VCMT160404-OTM			●	●
	VCMT160408-OTM			●	●
	VBMT160404-OTF			▲	●
	VBMT160408-OTF			▲	●
	VBMT110304-OTM			●	●
	VBMT110308-OTM			●	●
	VBMT160404-OTM			●	●
	VBMT160408-OTM			●	●
	VBMT160412-OTM			●	●
	VBMT160404-OSM			●	●
	VBMT160408-OSM			●	●
	VBMT160404-GM			▲	●
	VBMT160408-GM			▲	●

▲主推牌号 ●可选牌号 ▲Featured grade ●Optional grade

Iron Cast 铸铁加工

对比试验 Contrast Test

> OC3105

高硬度细晶粒硬质合金基体搭配厚TiCN和厚Al₂O₃涂层，经特殊后处理工艺，具有突出的耐磨性能。
适用于铸铁材料的精加工及半精加工。

Hard substrate perfectly combined with ultra thick TiCN and Al₂O₃, OC3105 is optimized for the best wear resistance.
Suitable grade for semifinishing to finishing cast iron machining.

> OC3215

中等颗粒的WC晶粒的硬质合金基体搭配厚TiCN和厚的织构化Al₂O₃涂层，经特殊后处理工艺，具有突出的耐磨性能。
适用于高线速度下铸铁材料的半精加工。

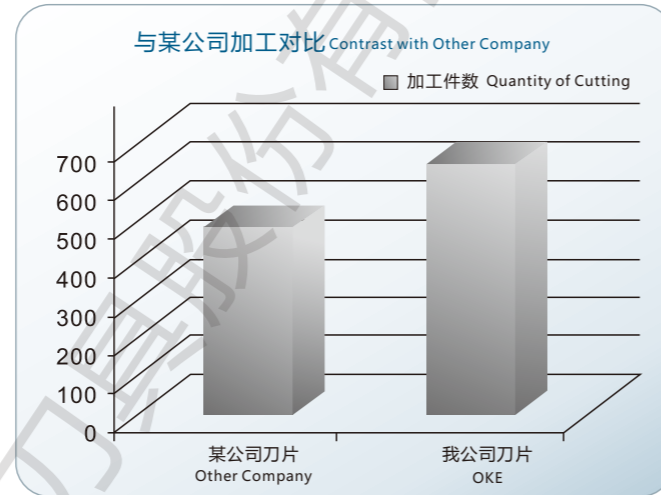
The medium-coarse substrate combine with thick TiCN and textured Al₂O₃, after special after coating treatment, it has outstanding wearing resistance.
Suitable for high speed semi-finihsing cast iron cutting under stable work condition.

> OC3115D

中等颗粒的WC晶粒的硬质合金基体搭配厚TiCN和厚Al₂O₃涂层，经特殊后处理工艺，具有很好的韧性和耐磨性能。
适用于铸铁材料的半精加工及轻断续工况的粗加工。

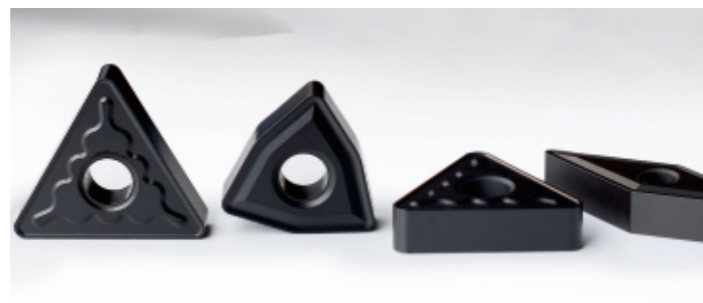
Mild-coarse grain substrate combines with hard-wearing and ultrathick alumina CVD coating, treated by special after coating treatment, which as good roughness and wear resistance.

Suitable grade for semifinishing to slight interrupted cast iron machining.

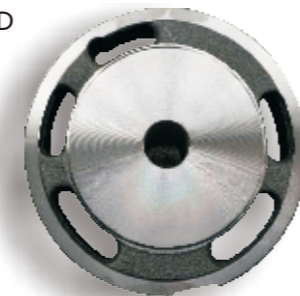


加工数量对比 Processing Quantity Contrast		
对比单位 Unit of Contrast	某公司刀片 Other Company	我公司刀片 OKE
加工件数 Quantity of Cutting	420	600

材料组 Material Group	OC3105	OC3215	OC3115D
	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



刀片型号/ Insert Type:
CCMT09T308-OTR OC3115D
工件/ Material:
压缩机法兰 (车内孔)
air cImpressor flange
(inner turning)
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

刀片外形 Insert Shape	型号 Type	K		
		OC3105	OC3215	OC3115D
	CNMG120408-OPR			●
	CNMG120412-OPR			●
	CNMG120416-OPR			●
	CNMG160608-OPR			●
	CNMG160612-OPR			●
	CNMG160616-OPR			●
	CNMG190608-OPR			●
	CNMG190612-OPR			●
	CNMG190616-OPR			●
	CNMM190616-PR			●
	CNMG120404	●	▲	●
	CNMG120408	●	▲	●
	CNMG120412	●	▲	●
	CNMG160608	●	▲	●
	CNMG160612	●	▲	●
	CNMG160616	●	▲	●
	CNMG190608	●	▲	●
	CNMG190612	●	▲	●
	CNMG190616	●	▲	●
	CNMA120404	●	▲	●
	CNMA120408	●	▲	●
	CNMA120412	●	▲	●
	CNMA120416	●	▲	●
	CNMA160608	●	▲	●
	CNMA160612	●	▲	●
	CNMA160616	●	▲	●
	CNMA160620	●	▲	●
	CNMA190612	●	▲	●
CNMA190616	●	▲	●	

刀片外形 Insert Shape	型号 Type	K		
		OC3105	OC3215	OC3115D
	DNMG150408-OPR		●	
	DNMG150412-OPR		●	
	DNMG150608-OPR		●	
	DNMG150612-OPR		●	
	DNMG150616-OPR		●	
	DNMG110408	●	▲	●
	DNMG150404	●	▲	●
	DNMG150408	●	▲	●
	DNMG150412	●	▲	●
	DNMG150608	●	▲	●
	DNMG150612	●	▲	●
	DNMA110416	●	▲	●
	DNMA150404	●	▲	●
	DNMA150408	●	▲	●
	DNMA150604	●	▲	●
	DNMA150608	●	▲	●
	DNMA150612	●	▲	●
	DNMA150616	●	▲	●




▲主推牌号 ●可选牌号 ▲Featured grade ●Optional grade

产品型号 Product Model

刀片外形 Insert Shape	型号 Type	K			
		OC3105	OC3215	OC3115D	
	SNMG120408-OPR		●		
	SNMG120412-OPR		●		
	SNMG150608-OPR		●		
	SNMG150612-OPR		●		
	SNMG190612-OPR		●		
	SNMG190616-OPR		●		
	SNMM190624-PR		●		
	SNMM250924-PR		●		
	SNMG090304	●	▲	●	
	SNMG090308	●	▲	●	
	SNMG120404	●	▲	●	
	SNMG120408	●	▲	●	
	SNMG120412	●	▲	●	
	SNMG120416	●	▲	●	
	SNMG150608	●	▲	●	
	SNMG150612	●	▲	●	
	SNMG190612		●		
	SNMG190616		●		
	SNMG250724		●		
	SNMG250924		●		
		SNMA120408	●	▲	●
		SNMA120412	●	▲	●
SNMA120416		●	▲	●	
SNMA150608		●	▲	●	
SNMA150612		●	▲	●	
SNMA190612			●		
SNMA190616		●			

刀片外形 Insert Shape	型号 Type	K		
		OC3105	OC3215	OC3115D
	TNMG160404-OPR		●	
	TNMG160408-OPR		●	
	TNMG160412-OPR		●	
	TNMG160416-OPR		●	
	TNMG220408-OPR		●	
	TNMG220412-OPR		●	
	TNMG220416-OPR		●	
	TNMG220412-OPR		●	
	TNMG270612-OPR		●	
	TNMG270612-OPR		●	
	TNMG160408	●	▲	●
	TNMG160412	●	▲	●
	TNMG220404	●	▲	●
	TNMG220408	●	▲	●
	TNMG220412	●	▲	●
	TNMG220416	●	▲	●
	TNMA160404	●	▲	●
	TNMA160408	●	▲	●
	TNMA160412	●	▲	●
	TNMA160416	●	▲	●
	TNMA220408	●	▲	●
	TNMA220412	●	▲	●
	VNMG160408-OPR		●	
	VNMG160412-OPR		●	
	VNMG160404	●	▲	●
	VNMG160408	●	▲	●
	VNMA160404	●	▲	●
	VNMA160408	●	▲	●

刀片外形 Insert Shape	型号 Type	K		
		OC3105	OC3215	OC3115D
	WNMG080408-OPR		●	
	WNMG080412-OPR		●	
	WNMG080404	●	▲	●
	WNMG080408	●	▲	●
	WNMG080412	●	▲	●
	WNMA060404	●	▲	●
	WNMA060412	●	▲	●
	WNMA080408	●	▲	●
	WNMA080412	●	▲	●
	WNMA080416	●	▲	●
	WNMA080416	●	▲	●
	CCMT060208-OTR		▲	●
	CCMT09T304-OTR		▲	●
	CCMT09T308-OTR		▲	●
	CCMT120408-OTR		▲	●
	CCMT120412-OTR		▲	●
	DCMT11T304-OTR		▲	●
	DCMT11T308-OTR		▲	●
	DCMT11T312-OTR		▲	●

刀片外形 Insert Shape	型号 Type	K		
		OC3105	OC3215	OC3115D
	SCMT09T304-OTR		▲	●
	SCMT09T308-OTR		▲	●
	SCMT120404-OTR		▲	●
	SCMT120408-OTR		▲	●
	SCMT120412-OTR		▲	●
	TCMT16T304-OTR		▲	●
	TCMT16T308-OTR		▲	●
	TCMT16T312-OTR		▲	●
	TCMT220408-OTR		▲	●
	VBMT160404-OTR		▲	●
	VBMT160408-OTR		▲	●
	VBMT160412-OTR		▲	●

▲主推牌号 ●可选牌号 ▲Featured grade ●Optional grade

Mould 模具加工



OP1315

高Co含量细晶粒硬质合金基体，具有很好的刃口强度，搭配全新的PVD AlTiN涂层，具有摩擦系数小，抗氧化温度高，纳米硬度高，突出的耐磨和通用性能等优点。
钢、不锈钢材料的铣削加工。
High Co content and fine WC grain substrate, gives wonderful cutting edge strength, combines with new AlTiN coating, it has very small coefficient of friction, high antioxidant temperature, and good nano hardness.
Preferred grade for steel and stainless steel milling and drilling.

OP2202

高Co含量超细硬质合金基体，具有高的刃口强度，搭配PVD的AlTiN涂层，具有突出的耐磨性能。
钢件及铸铁材料的轻型铣削加工。
High Co content and ultra fine WC grain substrate, gives wonderful cutting edge strength, combines with PVD AlTiN coating, it has outstanding wearing resistance.
Suitable for steel and cast iron slight milling.

OP1030

高Co含量细晶粒硬质合金基体，具有很好的强韧性，搭配PVD通用性好的AlTiN涂层，具有很好的韧性和通用性能。
钢、不锈钢材料的铣削及钻削加工。
High Co content and ultra fine WC grain substrate, gives wonderful toughness, combines with PVD AlTiN coating, it has good strength and versatility.
Suitable for steel and stainless steel milling and drilling.

OP1215

高Co含量细晶粒的硬质合金基体，具有很好的刃口强度，搭配热稳定性好的PVD含硅涂层，具有摩擦系数小，纳米硬度高等特点。
连续工况下不锈钢材料的半精车削加工及切槽加工；钢、不锈钢材料的铣削及钻削加工。
High Co content and fine WC grain substrate, gives wonderful cutting edge strength, combines with good thermal stability silicon coating, it has very small coefficient of friction, and good nano hardness.
Good at stainless steel semi-finishing turning, parting and grooving processing, preferred grade for steel and stainless steel milling and drilling.

OC4025

强韧型中粗晶粒硬质合金基体搭配薄的MT-TiCN和薄Al₂O₃涂层，具有良好的韧性和耐磨性，并易于加工识别。
适用于钢件材料的铣削加工。
High Co content substrate combines with thin MT-TiCN and thin Al₂O₃ coating, it is optimized for impact resistance and wearing resistance, also easy to recognize wear.
Suitable for general steel milling.

OC4035

中粗晶粒硬质合金基体具有极好的韧性，搭配薄的MT-TiCN和薄Al₂O₃涂层，具有突出的强韧性，并易于加工识别。
适用于钢件材料恶劣工况下的重载铣削加工。
Mild-coarse grain substrate combine with thin MT-TiCN and thin Al₂O₃, gives excellent roughness.
Suitable for steel heavy milling under bad work condition.

产品型号 Product Model

刀片外形 Insert Shape	型号 Type	涂层牌号 Grade					
		OP1315	OP1215	OP2202	OP1030	OC4025	OC4035
	APKT150412-HT-1	▲	●	●	●	●	●
	APKT150412-OPM	▲	●	●	●	●	●
	APMT1135PDER-H	▲	●	●	●	●	●
	APMT1604PDER-H	▲	●	●	●	●	●
	APMT1135PDER-M	▲	●	●	●	●	●
	APMT160408PDER-M	▲	●	●	●	●	●
	APMT11T304-ZM	▲	●	●	●	●	●
	APMT11T308-ZM	▲	●	●	●	●	●
	APMT160408-ZM	▲	●	●	●	●	●





刀片外形 Insert Shape	型号 Type	涂层牌号 Grade					
		OP1315	OP1215	OP2202	OP1030	OP1325	OC4225
	PDMT1305ZDSR-SAM	●	●	●	▲		


刀片外形 Insert Shape	型号 Type	涂层牌号 Grade					
		OP1315	OP1215	OP2202	OP1030	OC4025	OC4035
	RCKT1606MO-OPM	▲	●	●	●	●	●
	RCKT1204MO-OPR	▲	●	●	●	●	●
	RCKT1606MO-OPR	▲	●	●	●	●	●
	RDKW0803MO-BG	▲	●	●	●	●	●
	RDKW10T3MO-BG	▲	●	●	●	●	●
	RDKW1204MO-BG	▲	●	●	●	●	●
	RDKW1604MO-BG	▲	●	●	●	●	●
	RDKW1605MO-BG	▲	●	●	●	●	●
	RDKW1606MO-BG	▲	●	●	●	●	●
	RDKW2006MO-BG	▲	●	●	●	●	●
	RDKX10T3MO-BG	▲	●	●	●	●	●
	RDKX1204MO-BG	▲	●	●	●	●	●
	RDKX1605MO-BG	▲	●	●	●	●	●

▲主推牌号 ●可选牌号 ▲Featured grade ●Optional grade

产品型号 Product Model

刀片外形 Insert Shape	型号 Type	涂层牌号 Grade					
		OP1315	OP1215	OP2202	OP1030	OP1325	OC4225
	RPEW0802MO-BG	▲	●	●	●	●	●
	RPEW1003MO-BG	▲	●	●	●	●	●
	RPKT1204MO-SD	●	●	●	●	▲	●
	RPMW1003MO-SD	●	●	●	●	▲	●


刀片外形 Insert Shape	型号 Type	涂层牌号 Grade					
		OP1315	OP1215	OP2202	OP1030	OC4025	OC4035
	SDMT09T312-OPM	▲	●	●	●	●	●
	SDMT120412-OPM	▲	●	●	●	●	●
	SEET12T3-OPF	▲	●	●	●	●	●
	SEET12T3-OPM	▲	●	●	●	●	●
	SEET12T3-OPR	▲	●	●	●	●	●

刀片外形 Insert Shape	型号 Type	涂层牌号 Grade					
		OP1315	OP1215	OP2202	OP1030	OC4025	OC4035
	SEET09T308PER-OPR	▲	●	●	●	●	●
	SEET120308PER-OPF	▲	●	●	●	●	●
	SEET120308PER-OPM	▲	●	●	●	●	●
	SEKN1203AFTN	●	▲	●	●	●	●

刀片外形 Insert Shape	型号 Type	涂层牌号 Grade					
		OP1315	OP1215	OP2202	OP1030	OP1325	OC4225
	SEKT1204AFTN-XM	●	▲	●	●	●	●
	SNMX1306ANN-OL	●	●	●	●	▲	●
	SNMX1306ANN-OM	●	●	●	●	▲	●

产品型号 Product Model

刀片外形 Insert Shape	型号 Type	涂层牌号 Grade					
		OP1315	OP1215	OP2202	OP1030	OC4025	OC4035
	SPKN1203EDSKR	▲	●	●	●	●	●
	SPKN1203EDSKL	▲	●	●	●	●	●
	SPKN1504EDL	▲	●	●	●	●	●
	SPKN1504EDR	▲	●	●	●	●	●
	SPKN1504EDS11PL	▲	●	●	●	●	●
	SPKN1504EDS11PR	▲	●	●	●	●	●
	SPKR1504EDL-YR	▲	●	●	●	●	●
	SPKR1504EDR-YR	▲	●	●	●	●	●
	SPMT090308	▲	●	●	●	●	●
	SPMT120408	▲	●	●	●	●	●
	SPMT120408-HT-1	▲	●	●	●	●	●
	SPMT120408-MM	▲	●	●	●	●	●
	SPMT120408-OPM	▲	●	●	●	●	●

刀片外形 Insert Shape	型号 Type	涂层牌号 Grade					
		OP1315	OP1215	OP2202	OP1030	OP1325	OC4225
	TNGX1306PNFR	●	●	●	●	▲	●

刀片外形 Insert Shape	型号 Type	涂层牌号 Grade					
		OP1315	OP1215	OP2202	OP1030	OC4025	OC4035
	TPKN2204PDTR	●	▲	●	●	●	●
	TPKN2204PDSR						
	TPKN2204PDSKR						
	WPGT06T320ZTR	▲	●	●	●	●	●
	WPGT080520ZSR	▲	●	●	●	●	●
	WPGT080615ZSR	▲	●	●	●	●	●

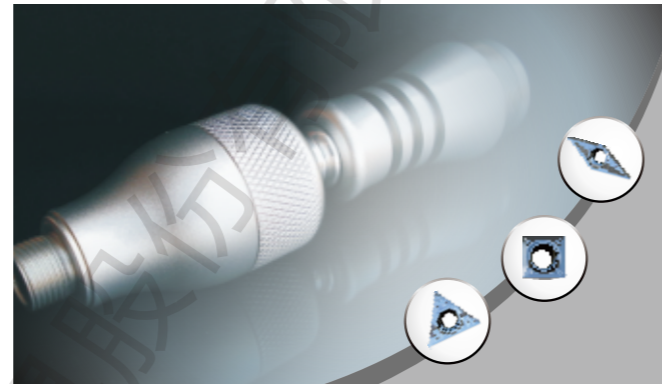
▲主推牌号 ●可选牌号 ▲Featured grade ●Optional grade

Aluminum Alloy 铝合金加工

> OK434

细颗粒碳化钨与超细钴粉结合，通过低压烧结实现内部组织的完全致密。具有硬度高，强度高，导热性好等特点，适用于有色金属，铸铁等材料的精、半精加工。

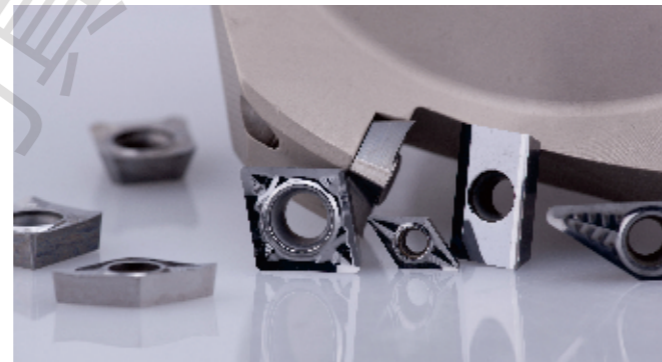
Fine particles of tungsten carbide and ultrafine cobalt powder combined, realize fully dense internal organization by low-pressure sintering. With high hardness, high strength, good thermal conductivity and other characteristics, is suitable for non-ferrous metals, iron and other materials, semi-finish machining precision.



> NL槽型 NL Chip Breaker

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.



对比试验 Contrast Test

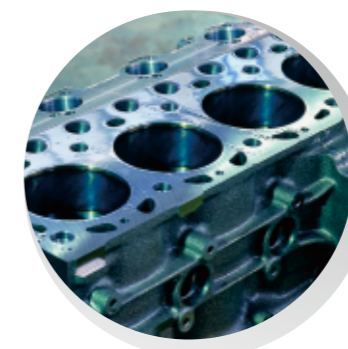
被加工材料：纯铝			
切削参数 Cutting Parameter	Vc=600m/min	Ap=0.3mm	Fn=0.2mm/r
切屑 Cutting			
表面质量 Surface Quality			
	欧科亿公司刀片 OKe's	某公司同类产品 Other Company's Similar Products	
	◎ 刀片断屑更好,切屑更流畅,加工表面更光滑。 OKe's are better in finished surface quality, breaking chip, and controlling chip.		

> 产品型号 Product Model

刀片外形 Insert Shape	型号 Type	OK434
	CCGX060202-NL	●
	CCGX060204-NL	●
	CCGX09T302-NL	●
	CCGX09T304-NL	●
	CCGX09T308-NL	●
	CCGX120404-NL	●
	CCGX120408-NL	●
	DCGX070202-NL	●
	DCGX070204-NL	●
	DCGX11T302-NL	●
	DCGX11T304-NL	●
	SCGX09T304-NL	●
	SCGX09T308-NL	●
	SCGX120408-NL	●
	TCGX090204-NL	●
	TCGX110202-NL	●
	TCGX110204-NL	●
	TCGX16T304-NL	●
	TCGX16T308-NL	●
	VCGX110302-NL	●
	VCGX110304-NL	●
	VCGX160402-NL	●
	VCGX160404-NL	●
	VCGX160408-NL	●
	VCGX160412-NL	●
	VCGX220530-NL	●

▲主推牌号 ●可选牌号 ▲Featured grade ●Optional grade

纯铝 铝合金加工首选



High Temperature Alloy 高温合金



> -OSM

S类材料半精加工槽型；
有效控制切屑卷曲和排出；
刃口锋利，切削轻快；
适宜的刃口强度，延长切削寿命。
Semi-finishing chip breaker for ISO S material;
Effectively control chip curling and flow;
Sharp cutting edge, smooth quick cutting;
Proper edge strength gives a longer service life



> -OSF

S类材料精加工槽型；
大前角和刃倾角设计，刃口锋利，切削力低；
G级精度，加工表面质量好。
Finishing chip breaker for ISO S material
Large rake angle and cutting edge inclination
design, sharp cutting edge, low cutting force;
G-level precision, good surface quality.

OP1105

细晶粒硬质合金基体材质，具有很高的热硬度和良好的抗塑性变形能力。
新的复合多层PVD涂层结构具有极高的附着强度，不仅具有极好的强韧性也保证了很强的抗磨损能力。

The carbide substrate with fine grains has high hot hardness and good anti-deformation resistance. The new composite multi-layer PVD coating structure has extremely high adhesion strength. It not only has excellent toughness but also strong wear resistance.

> 产品型号 Product Model

刀片外形 Insert Shape	型号 Type	S
		OP1105
	CNMG120404-OSM	●
	CNMG120408-OSM	●
	CNMG120412-OSM	●
	SNMG120408-OSM	●

刀片外形 Insert Shape	型号 Type	S
		OP1105
	VCGT160408-OSF	●
		●
		●
	VCMT160408-OSM	●