

HAO CARBIDE

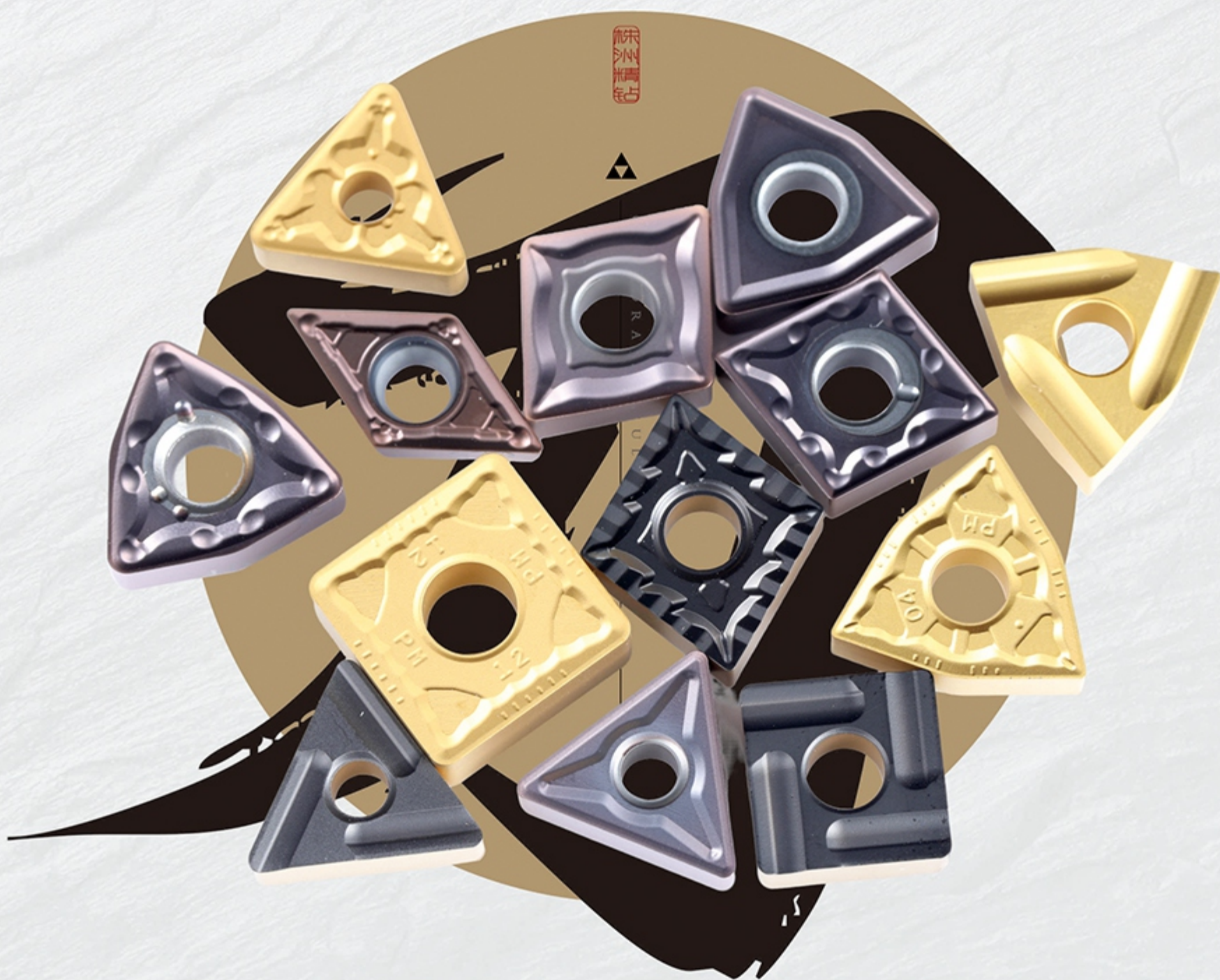
数控刀片产品样册

CNC INSERT CATALOG










敬天
爱人






传递真善美










Respect For Nature & Love For Mankind
Deliver The Truth
Kindness
And Beauty



















ISO	Grade	Note	Material characteristics
	JZP101	Yellow	<ul style="list-style-type: none"> ●The new tough CVD coating is combined with a substrate with good resistance to thermoplastic deformation of the tool tip to ensure high wear resistance and fracture resistance. ●Suitable for semi-finishing to rough machining of carbon steel and low alloy steel under general continuous and intermittent working conditions.
P	JZP102	Black	<ul style="list-style-type: none"> ●The new high-hardness CVD coating combined with post-processing technology and a cemented carbide substrate with excellent red hardness ensures excellent wear resistance.
	JZP103	Double color	<ul style="list-style-type: none"> ●The new tough CVD coating and special low-stress post-processing technology, combined with an excellent wear-resistant substrate, ensures superior wear resistance and collapse resistance. ●Suitable for semi-finishing to rough machining of carbon steel and alloy steel under stable and unstable working conditions.
	JZT201	Yellow	<ul style="list-style-type: none"> ●P10 soft steel milling, high toughness matrix, to cope with unstable cutting conditions of low hardness materials.
	JZT212	Gray	<ul style="list-style-type: none"> ●Suitable for turning and milling of medium and high alloy steel, die steel, pre-hardened steel and stainless steel
	JZT204	Blue nano	<ul style="list-style-type: none"> ●Suitable for turning and milling of medium and high alloy steel, die steel, pre-hardened steel and stainless steel
M	JZT205	Purple	<ul style="list-style-type: none"> ●Conventional stainless steel processing.
	JZT206	Copper	<ul style="list-style-type: none"> ●Specially used for stainless steel turning and milling.
	JZT207	Copper	<ul style="list-style-type: none"> ●Conventional stainless steel and steel processing
	JZT209	Gray	<ul style="list-style-type: none"> ●Common stainless steel and steel grooving and fine grinding blade material.
	JZT214	Rainbow	<ul style="list-style-type: none"> ●Applicable to HRC40-65° hardened steel, high temperature alloy and titanium alloy milling
	JZM101	Yellow	<ul style="list-style-type: none"> ●CVD coating, conventional stainless steel and steel turning and milling.
	JZM102	Black	<ul style="list-style-type: none"> ●CVD coating, conventional stainless steel and steel turning and milling.
K	JZK102	Black	<ul style="list-style-type: none"> ●CVD coating, suitable for gray cast iron, ductile iron processing, good impact resistance
	JZK105	double color	<ul style="list-style-type: none"> ●CVD coating, hole yellow two-color. Suitable for cast iron, good impact resistance.
N	JZN101	Uncoated	<ul style="list-style-type: none"> ●Turning and milling of copper and aluminum alloys.
High standard	JZT312	Ceramic	<ul style="list-style-type: none"> ●The tough coating with high wear resistance and stability, combined with special edge treatment technology, shows excellent wear resistance and collapse resistance. ●Suitable for milling of steel and stainless steel castings, SUS201, 304, 316L, duplex stainless steel, etc.
	JZT316	Ceramic	<ul style="list-style-type: none"> ●The tough coating with high wear resistance and stability, combined with special edge treatment technology, shows excellent wear resistance and collapse resistance. ●Suitable for turning of steel and stainless steel castings, SUS201, 304, 316L, duplex stainless steel, etc.
	JZK102	Gray	<ul style="list-style-type: none"> ●CVD coating, suitable for gray cast iron, ductile iron processing, good impact resistance





Inserts Shape	Type	Grade													
		CVD coating						PVD coating				Cermet		Cc	
		J	J	J	J	J	J	J	J	J	J	J	J	J	
		Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	
P	P	P	M	M	K	T	T	T	T	C	C	1			
1	1	1	1	1	1	2	2	2	2	1	1	0			
0	0	0	0	0	0	1	0	0	0	0	0	0			
1	2	3	1	2	2	2	5	6	7	1	1	1			
		●			○		●	●		●		●			
	CNMG120404-TC	●	●	●	○	○	●								
	CNMG120408-TC	●	●	●	○	○	●								
	CNMG120412-TC	●	●	●	○	○	●								
	CNMG160608-TC	●	●	○	○	○	●								
	CNMG160612-TC	●	●	○	○	○	●								
	CNMG190608-TC	●	●	○	○	○	●								
	CNMG190612-TC	●	●	○	○	○	●								
	CNMG190616-TC	●	●	○	○	○	●								
	CNMA120404						●								
	CNMA120408						●								
	CNMA120412						●								
	CNMG120404-PM	●	●	○	○	○	●								
	CNMG120408-PM	●	●	○	○	○	●								
	CNMG120412-PM	●	●	○	○	○	●								
	CNMG160608-PM	●	●	○	○	○	●								
	CNMG160612-PM	●	●	○	○	○	●								
	CNMG190608-PM	●	●	●	○	○	●								
	CNMG190612-PM	●	●	●	○	○	●								
	CNMG190616-PM	●	●	●	○	○	●								
	CNMG190612-DR	●	●												
	CNMG190616-DR	●	●												
	CNMG120404-TM	●	●	●											
	CNMG120408-TM	●	●	●											
	CNMG120412-TM	●	●	●											
	CNMG120404-CQ	●	●	●											
	CNMG120408-CQ	●	●	●											
	CNMG120412-CQ	●	●	●											
	CNMG120404-43	●	●	●											
	CNMG120408-43	●	●	●											
	CNMG120412-43	○	○	○											
	CNMG120404R-ZC	●	●	●						●					
	CNMG120408R-ZC	●	●	●						●					
	CNMG120404L-ZC	●	●	●						●					
	CNMG120408L-ZC	●	●	●						●					












Inserts Shape	Type	Grade												
		CVD coating						PVD coating				High S		Cc
		J	J	J	J	J	J	J	J	J	J	J	J	J
		Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
P	P	P	M	M	K	T	T	T	T	T	T	1		
1	1	1	1	1	1	2	2	2	2	3	3	0		
0	0	0	0	0	0	1	0	0	0	1	1	1		
1	2	3	1	2	2	2	5	6	7	2	6	1		
		●		●		●		●		●		●		
	CNMG120404-MA													
	CNMG120408-MA													
	CNMG120412-MA													
	CNMG120404-MS													
	CNMG120408-MS													
	CNMG120404-EM					○	●	●					★	
	CNMG120408-EM					○	●	●					★	
	CNMG120404-EF					○	●	●					★	
	CNMG120408-EF					○	●	●					★	
	CNMG120402-LY												●	
	CNMG120404-LY												●	
	CNMG120408-LY												●	

Inserts Shape	Type	Grade												
		CVD coating						PVD coating				High S		Cc
		J	J	J	J	J	J	J	J	J	J	J	J	J
		Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
P	P	P	M	M	K	T	T	T	T	T	T	1		
1	1	1	1	1	1	2	2	2	2	3	3	0		
0	0	0	0	0	0	1	0	0	0	1	1	1		
1	2	3	1	2	2	2	5	6	7	2	6	1		
		●		○		●		●		●		●		
	WNMG080404-PM	●	●	○	○	○	●							
	WNMG080408-PM	●	●	○	○	○	●							
	WNMG080412-PM	●	●	○	○	○	●							
	WNMG080404-DM	●	●	○	○	○	○							
	WNMG080408-DM	●	●	○	○	○	○							
	WNMG080404-CQ	●	●	●										
	WNMG080408-CQ	●	●	●										
	WNMG080412-CQ	●	●	●										
	WNMG080404-TM	●	●	●										
	WNMG080408-TM	●	●	●										
	WNMG080412-TM	●	●	●										
	WNMG080404-TC	○	○				●							
	WNMG080408-TC	○	○				●							
	WNMG080412-TC	○	○				●							
	WNMA080408						●							
	WNMA080412						●							
	WNMG080404R-ZC	●	●	●				●	●					
	WNMG080408R-ZC	●	●	●				●	●					
	WNMG080404L-ZC	●	●	●				●	●					
	WNMG080408L-ZC	●	●	●				●	●					
	WNMG080404-43	●	●	●										
	WNMG080408-43	●	●	●										
	WNMG080412-43	●	●	●										
	WNMG080404R/L-UF			●										
	WNMG080408R/L-UF			●										









Inserts Shape	Type	Grade												
		CVD coating						PVD coating				High S		Cc
		J	J	J	J	J	J	J	J	J	J	J	J	J
		Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
P	P	P	M	M	K	T	T	T	T	T	T	1		
1	1	1	1	1	1	2	2	2	2	3	3	0		
0	0	0	0	0	0	1	0	0	0	1	1	1		
1	2	3	1	2	2	2	5	6	7	2	6	1		
		CVD coating			CVD coating	PVD coating		PVD coating		High S		Cc		
	WNMG080404-EF							●	●				★	
	WNMG080408-EF							●	●				★	
	WNMG080404-EM							●	●				★	
	WNMG080408-EM							●	●				★	
	WNMG080404-MA										●			
	WNMG080408-MA										●			
	WNMG080412-MA										●			
	WNMG080404-MS										●			
	WNMG080408-MS										●			
	WNMG080412-MS										●			
	WNMG080402-LY													●
	WNMG080404-LY													●
	WNMG080408-LY													●





Inserts Shape	Type	Grade												
		CVD coating						PVD coating				High S		Cc
		J	J	J	J	J	J	J	J	J	J	J	J	J
		Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
P	P	P	M	M	K	T	T	T	T	T	T	1		
1	1	1	1	1	1	2	2	2	2	3	3	0		
0	0	0	0	0	0	1	0	0	0	1	1	1		
1	2	3	1	2	2	2	5	6	7	2	6	1		
		●		○		●		●		●		●		
	TNMG160404-PM	●	●	○			●							
	TNMG160408-PM	●	●	○			●							
	TNMG160412-PM	●	●	○			●							
	TNMG220412-PM	●	●	○			●							
	TNMG160404-TM	●	●	●										
	TNMG160408-TM	●	●	●										
	TNMG160412-TM	●	●	●										
	TNMG160404-CQ	●	●	●										
	TNMG160408-CQ	●	●	●										
	TNMG160412-CQ	●	●	●										
	TNMG160404-43	●	●	●										
	TNMG160408-43	●	●	●										
	TNMG160412-43	●	●	●										
	TNMG160404R-ZC	●	●	●				●	●					
	TNMG160408R-ZC	●	●	●				●	●					
	TNMG160404L-ZC	●	●	●				●	●					
	TNMG160408L-ZC	●	●	●				●	●					
	TNMG160404-TC	●	●				●							
	TNMG160408-TC	●	●				●							
	TNMG160412-TC	●	●				●							
	TNMG220416-TC	●	●				●							
	TNMA160404						●							
	TNMA160408						●							
	TNMA160412						●							
	TNMG160404R-VF	●	●	●										
	TNMG160408R-VF	●	●	●										
	TNMG160404L-VF	●	●	●										
	TNMG160408L-VF	●	●	●										
	TNMG160402-LY												●	
	TNMG160404-LY												●	
	TNMG160408-LY												●	






Inserts Shape	Type	Grade												
		CVD coating						PVD coating				High S		Cc
		J	J	J	J	J	J	J	J	J	J	J	J	J
		Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
P	P	P	M	M	K	T	T	T	T	T	T	1		
1	1	1	1	1	1	2	2	2	2	3	3	0		
0	0	0	0	0	0	1	0	0	0	1	1	1		
1	2	3	1	2	2	2	5	6	7	2	6	1		
		CVD coating			PVD coating	High S		Cc						
	TNMG160404-EM							●	●				★	
	TNMG160408-EM							●	●				★	
	TNMG160404-EF							●	●				★	
	TNMG160408-EF							●	●				★	
	TNMG160404-MA										●			
	TNMG160408-MA										●			
	TNMG160412-MA										●			
	TNMG160404-MS										●			
	TNMG160408-MS										●			





Inserts Shape	Type	Grade												
		CVD coating						PVD coating				High S		Cc
		J	J	J	J	J	J	J	J	J	J	J	J	J
		Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
P	P	P	M	M	K	T	T	T	T	T	T	1		
1	1	1	1	1	1	2	2	2	2	3	3	0		
0	0	0	0	0	0	1	0	0	0	1	1	1		
1	2	3	1	2	2	2	5	6	7	2	6	1		
	SNMG120404-TC	●	●	○	○	○	●							
	SNMG120408-TC	●	●	○	○	○	●							
	SNMG120412-TC	●	●	○	○	○	●							
	SNMG150612-TC	●	●	○	○	○	●							
	SNMG190612-TC	●	●	○	○	○	●							
	SNMG190616-TC	●	●	○	○	○	●							
	SNMG120404-PM	●	●	○	○	○	●							
	SNMG120408-PM	●	●	○	○	○	●							
	SNMG120412-PM	●	●	○	○	○	●							
	SNMG150612-PM	●	●	○	○	○	●							
	SNMG190612-PM	●	●	○	○	○	●							
	SNMG190616-PM	●	●	○	○	○	●							
	SNMG120404-TM	●	●	●										
	SNMG120408-TM	●	●	●										
	SNMG120408-DM	●	●		○	○								
	SNMG190612-DM	●	●		○	○								
	SNMG120404R-ZC	●	●	●				●	●					
	SNMG120408R-ZC	●	●	●				●	●					
	SNMG150612R-ZC	●	●	●										
	SNMG120404L-ZC	●	●	●				●	●					
	SNMG120408L-ZC	●	●	●				●	●					
	SNMG150612L-ZC	●	●	●										
	SNMG120404-HA									●				
	SNMG120404-MA									●				
	SNMG120408-MA									●				
	SNMG120412-MA									●				
	SNMG120404-MS									●				
	SNMG120408-MS									●				
	SNMG120412-MS									●				
	SNMG120402-LY													●
	SNMG120404-LY													●
	SNMG120408-LY													●
	SNMM250724-ER	○	●	○										
	SNMM250924-ER	○	●	○										





Inserts Shape	Type	Grade												
		CVD coating						PVD coating				High S		Cc
		J	J	J	J	J	J	J	J	J	J	J	J	J
		Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
P	P	P	M	M	K	T	T	T	T	T	T	1		
1	1	1	1	1	1	2	2	2	2	3	3	0		
0	0	0	0	0	0	1	0	0	0	1	1	1		
1	2	3	1	2	2	2	5	6	7	2	6	1		
	SNMA120408						●							
	SNMA120412						●							
	SNMA120416						●							






Inserts Shape	Type	Grade												
		CVD coating						PVD coating				High S		Cc
		J	J	J	J	J	J	J	J	J	J	J	J	J
		Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
P	P	P	M	M	K	T	T	T	T	T	T	1		
1	1	1	1	1	1	2	2	2	2	3	3	0		
0	0	0	0	0	0	1	0	0	0	1	1	1		
1	2	3	1	2	2	2	5	6	7	2	6	1		
		●		○		●		●		●		●		
	VNMG160404-PM	●	●	○			●							
	VNMG160408-PM	●	●	○			●							
	VNMG160412-PM	●	●	○			●							
	VNMG160404-TM	●	●	●										
	VNMG160408-TM	●	●	●										
	VNMG160412-TM	●	●	●										
	VNMG160404-43	●	●	●										
	VNMG160408-43	●	●	●										
	VNMG160412-43	●	●	●										
	VNMG160404-SL						●				●			
	VNMG160408-SL						●				●			
	VNMG160404-MA										●			
	VNMG160408-MA										●			
	VNMG160404-MS										●			
	VNMG160408-MS										●			
	VNMG160402-LY												●	
	VNMG160404-LY												●	
	VNMG160408-LY												●	
	VNMA160404						●							
	VNMA160408						●							






Inserts Shape	Type	Grade												
		CVD coating						PVD coating				High S		Cc
		J	J	J	J	J	J	J	J	J	J	J	J	J
		Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
P	P	P	M	M	K	T	T	T	T	T	T	1		
1	1	1	1	1	1	2	2	2	2	3	3	0		
0	0	0	0	0	0	1	0	0	0	1	1	1		
1	2	3	1	2	2	2	5	6	7	2	6	1		
		●		○		●		○		●		○		
	DNMG150404-PM	●	●	○			●							
	DNMG150408-PM	●	●	○			●							
	DNMG150604-PM	●	●	○			●							
	DNMG150608-PM	●	●	○			●							
	DNMG150612-PM	●	●	○			●							
	DNMG150404-TM	●	●	●										
	DNMG150408-TM	●	●	●										
	DNMG150412-TM	●	●	●										
	DNMG150604-TM	●	●	●										
	DNMG150608-TM	●	●	●										
	DNMG150612-TM	●	●	●										
	DNMG150604R-ZC	●	●	●					○					
	DNMG150604L-ZC	●	●	●					○					
	DNMG150608R-ZC	●	●	●					○					
	DNMG150608L-ZC	●	●	●					○					
	DNMG150404-MA									●				
	DNMG150408-MA									●				
	DNMG150604-MA									●				
	DNMG150608-MA									●				




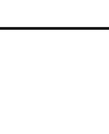



Inserts Shape	Type	Grade												
		CVD coating						PVD coating				High S		Cc
		J	J	J	J	J	J	J	J	J	J	J	J	J
		Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
P	P	P	M	M	K	T	T	T	T	T	T	1		
1	1	1	1	1	1	2	2	2	2	3	3	0		
0	0	0	0	0	0	1	0	0	0	1	1	1		
1	2	3	1	2	2	2	5	6	7	2	6	1		
		●		○		●		○		☆		●		
	CCMT060204-HM	●	●				○	○						
	CCMT09T304-HM	●	●				●	○						
	CCMT09T308-HM	●	●				●	○						
	CCMT120404-HM	●	●				○	○						
	CCMT120408-HM	●	●				○	○						
	CCMT060202-SL						○		○	●		☆		
	CCMT060204-SL						○		○	●		☆		
	CCMT060208-SL						○		○	●		☆		
	CCMT09T304-SL						○		○	●		☆		
	CCMT09T308-SL						○		○	●		☆		
	CCMT120404-SL						○		○	●		☆		
	CCMT120408-SL						○		○	●		☆		
	CCMT09T304-53	●												
	CCMT120408-HR	●	●				○							
	CCGX060202-LY												●	
	CCGX060204-LY												●	
	CCGX060208-LY												●	
	CCGX09T302-LY												●	
	CCGX09T304-LY												●	
	CCGX09T308-LY												●	
	CCGX120402-LY												●	
	CCGX120404-LY												●	
	CCGX120408-LY												●	

Inserts Shape	Type	Grade												
		CVD coating						PVD coating				High S		Cc
		J	J	J	J	J	J	J	J	J	J	J	J	J
		Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
P	P	P	M	M	K	T	T	T	T	T	T	1		
1	1	1	1	1	1	2	2	2	2	3	3	0		
0	0	0	0	0	0	1	0	0	0	1	1	1		
1	2	3	1	2	2	2	5	6	7	2	6	1		
		●		●		○		○		○		○		
	DCMT070204-HM	●	●				○	○						
	DCMT070208-HM	●	●				○	○						
	DCMT11T304-HM	●	●				○	○						
	DCMT11T308-HM	●	●				○	○						
	DCMT070202-MV						○		○	●		☆		
	DCMT070204-MV						○		○	●		☆		
	DCMT070208-MV						○		○	●		☆		
	DCMT11T302-MV						○		○	●		☆		
	DCMT11T304-MV						○		○	●		☆		
	DCMT11T308-MV						○		○	●		☆		
	DCMT070204-SL						○		○	●		☆		
	DCMT070208-SL						○		○	●		☆		
	DCMT11T304-SL						○		○	●		☆		
	DCMT11T308-SL						○		○	●		☆		
	DCGX070202-LY												●	
	DCGX070204-LY												●	
	DCGX070208-LY												●	
	DCGX11T301-LY												●	
	DCGX11T302-LY												●	
	DCGX11T304-LY												●	
	DCGX11T308-LY												●	

Inserts Shape	Type	Grade												
		CVD coating						PVD coating				High S		Cc
		J	J	J	J	J	J	J	J	J	J	J	J	J
		Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
P	P	P	M	M	K	T	T	T	T	T	T	1		
1	1	1	1	1	1	2	2	2	2	3	3	0		
0	0	0	0	0	0	1	0	0	0	1	1	1		
1	2	3	1	2	2	2	5	6	7	2	6	1		
		■		■		■	■		■		■		■	
	RCMT0602MO							●						
	RCMT0803MO							●						
	RCMT1204MO	●	●					●						
	RCMT1606MO	●						●						
	RCMX1003MO	●												
	RCMX1204MO													
	RCMX1606MO	●	●											
	RCMX2006MO	●	○											
	RCMX3209MO	●	●											
	RPGX0803MO-LY												●	
	RPGX1003MO-LY												●	
	RPGX10T3MO-LY												●	
	RPGX1204MO-LY												●	
	RCGX0803MO-LY												●	
	RCGX1003MO-LY												●	
	RCGX10T3MO-LY												●	
	RCGX1204MO-LY												●	








Inserts Shape	Type	Grade												
		CVD coating						PVD coating				High S		Cc
		J	J	J	J	J	J	J	J	J	J	J	J	J
		Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
P	P	P	M	M	K	T	T	T	T	T	T	1		
1	1	1	1	1	1	2	2	2	2	3	3	0		
0	0	0	0	0	0	1	0	0	0	1	1	1		
1	2	3	1	2	2	2	5	6	7	2	6	1		
		●		●		○		○		○		○		
	SCMT09T304-HM	●	●				○	○						
	SCMT09T308-HM	●	●				○	○						
	SCMT120404-HM	●	●				○	○						
	SCMT120408-HM	●	●				○	○						
	SCMT120408-HR	●	●											
	SCMT120408	●	●											
	SCMT09T304-SL						○		○	●		☆		
	SCMT09T308-SL						○		○	●		☆		
	SCMT120404-SL						○		○	●		☆		
	SCMT120408-SL						○		○	●		☆		
	SCGX09T302-LY												●	
	SCGX09T304-LY												●	
	SCGX09T308-LY												●	
	SCGX120402-LY												●	
	SCGX120404-LY												●	
	SCGX120408-LY												●	
	SCGX120412-LY												●	





Inserts Shape	Type	Grade												
		CVD coating						PVD coating				High S		Cc
		J	J	J	J	J	J	J	J	J	J	J	J	J
		Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
P	P	P	M	M	K	T	T	T	T	T	T	1		
1	1	1	1	1	1	2	2	2	2	3	3	0		
0	0	0	0	0	0	1	0	0	0	1	1	1		
1	2	3	1	2	2	2	5	6	7	2	6	1		
		●		●		○		○		○		○		
	TCMT090204-HM	●	●				○	○						
	TCMT090208-HM	●	●				○	○						
	TCMT110204-HM	●	●				○	○						
	TCMT16T304-HM	●	●				○	○						
	TCMT16T308-HM	●	●				○	○						
	TCMT090204-SL						○		○	●		☆		
	TCMT090208-SL						○		○	●		☆		
	TCMT110204-SL						○		○	●		☆		
	TCMT110208-SL						○		○	●		☆		
	TCMT16T304-SL						○		○	●		☆		
	TCMT16T308-SL						○		○	●		☆		
	TCMT16T308-52	●												
	TPMT110304-HQ						○		●					
	TCGX090202-LY												●	
	TCGX090204-LY												●	
	TCGX090208-LY												●	
	TCGX110202-LY												●	
	TCGX110204-LY												●	
	TCGX110208-LY												●	
	TCGX16T302-LY												●	
	TCGX16T304-LY												●	
	TCGX16T308-LY												●	




Inserts Shape	Type	Grade												
		CVD coating						PVD coating				High S		Cc
		J	J	J	J	J	J	J	J	J	J	J	J	J
		Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
P	P	P	M	M	K	T	T	T	T	T	T	1		
1	1	1	1	1	1	2	2	2	2	3	3	0		
0	0	0	0	0	0	1	0	0	0	1	1	1		
1	2	3	1	2	2	2	5	6	7	2	6	1		
		●		●		●		●		●		●		
	VBMT160404-TM	●	●											
	VBMT160408-TM	●	●											
	VBMT160404-HM	●	●				○	○						
	VBMT160408-HM	●	●				○	○						
	VBGT110301-DF						●		○					
	VBGT110302-DF						●		○					
	VCGT110301-DF						●		○					
	VCGT110302-DF						●		○					
	VBMT110302-SL						○		○	●				
	VBMT110304-SL						○		○	●				
	VBMT160404-SL						○		○	●				
	VBMT160408-SL						○		○	●				
	VBMT110302-MV						○		●			☆		
	VBMT110304-MV						○		●			☆		
	VBMT160404-MV						○		●			☆		
	VBMT160408-MV						○		●			☆		
	VBGX110302-LY												●	
	VBGX110304-LY												●	
	VBGX110308-LY												●	
	VBGX160402-LY												●	
	VBGX160404-LY												●	
	VBGX160408-LY												●	
	VCGX110301-LY												●	
	VCGX110302-LY												●	
	VCGX110304-LY												●	
	VCGX110308-LY												●	
	VCGX160401-LY												●	
	VCGX160402-LY												●	
	VCGX160404-LY												●	
	VCGX160408-LY												●	
VCGX160412-LY												●		



Inserts Shape	Type	Grade												
		CVD coating					PVD coating				H	High S		Cc
		J	J	J	J	J	J	J	J	J	J	J	J	J
		Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
P	P	M	M	K	T	T	T	T	T	T	T	T		
1	1	1	1	1	2	2	2	2	2	3	3	3		
0	0	0	0	0	0	1	0	0	1	1	1	1		
1	2	1	2	2	1	2	5	7	4	2	6	1		
	SEMT12T3-DM	●	●	●	●	○						★	★	
	SEKT1204AFTN							●				★	★	
	EPMW0603-8							●		○				
	ONHU08T508-PM		●	○	●	●		●	●					
	ONHU060408-PM		●	○	●	●		●	●					
	WNMU040304EN-GM		●	○	●	●		●	○	●	○			
	WNMU040308EN-GM		●	○	●	●		●	○	●	○			
	WNMU060408R-M		●	○	●	●		●	○	●	○			
	WNMU080608EN-GM		●	○	●	●		●	○	●	○	★	★	
	SNEG1506ANR-GM		●	○	●	●		●	●		○	★	★	
	SEET090308PER-PM	○	○	○	○	○		●						
	SEET120308PER-PM	○	○	○	○	○		●				★	★	
	APKT1003R0.5	○	○					●		○	○			
	APKT11T308-PM	●	●					●	●					
	APKT160408-PM	●	●					●	●			★	★	
	LNMU0303ZER-MJ							●		●	●	★	★	








Inserts Shape	Type	Grade													
		CVD coating					PVD coating				H	High S		Cc	
		J	J	J	J	J	J	J	J	J	J	J	J	J	
		Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	
P	P	M	M	K	T	T	T	T	T	T	T	T			
1	1	1	1	1	2	2	2	2	2	3	3	3			
0	0	0	0	0	0	1	0	0	1	1	1	1			
1	2	1	2	2	1	2	5	7	4	2	6	1			
	LOGU030310 ER								●	●	●				
	4NKT060308R								●	●	○				
	BLMP0603R-M								●	●	○				
	BLMP0904R-M								●	●	○				
	SOMT100420ER-GM								●	○					
	SOMT140520ER-GM								●	●					
	ODMT0605ANN-MR								●	●					
	JDMT070204R								●	●					
	JDMT070208R														
	APKT170508R-EM								○	○					
	APKT170516R-EM								○	○					
	APKT170524R-EM								○	○					
	APKT170530R-EM								○	○					
	APKT170540R-EM								○	○					
	BDMT11T308ER-JT								○	○					
	XOMX060204R-M05								○	○					
	XOMX060208R-M05								○	○					
	3PKT100408R-M								○	○					
	3PKT150508R-M								○	○					
	LNMU110408SRGE								○	○					
	LNMU15T608SRGE								○	○					





Inserts Shape	Type	Grade												
		CVD coating					PVD coating				H	High S		Cc
		J	J	J	J	J	J	J	J	J	J	J	J	J
		Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
P	P	M	M	K	T	T	T	T	T	T	T	T		
1	1	1	1	1	2	2	2	2	2	3	3	1		
0	0	0	0	0	0	1	0	0	1	1	1	0		
1	2	1	2	2	1	2	5	7	4	2	6	1		
	PNMU090508XNEN-GM		●		●	●		●		●	○	★	★	
	PNMU0905GNEG-MJ						●		●					
	SDMT1205ZDTN						●		●					
	SDMT1505ZDTN						●		●					
	SPMT120408-PM		○		○	○	●					★	★	
	APKT150412-PM		○		○	○	●					★	★	
	AOMT123608PEER-M						●		●					
	HNMG0906ANSN						●		●					


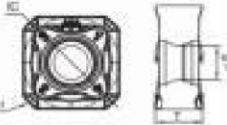




Inserts Shape	Type	Grade												
		CVD coating					PVD coating				H	High S		Cc
		J	J	J	J	J	J	J	J	J	J	J	J	J
		Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
P	P	M	M	K	T	T	T	T	T	T	T	T		
1	1	1	1	1	2	2	2	2	2	3	3	1		
0	0	0	0	0	0	1	0	0	1	1	1	0		
1	2	1	2	2	1	2	5	7	4	2	6	1		
	APMT1135PDR						●	●			★	★		
	APMT160408PDER						●	●			★	★		
	APMT1604PDER-KZ						●		●	○				
	APMT1604PDER-M2						●		●	○				
	APMT1604PDER-76						●		●	○				
	APMT1135PDER-DL						●	●		●		★	★	
	APMT1605PDER-DL						●	●		●		★	★	
	APMT1135PDER-H2						●		●			★	★	
	APMT1135PDER-H2-R0.4						●		●					
	APMT1135PDER-H2-R1.0						●		●					
	APMT1135PDER-H2-R1.2						●		●					
	APMT1135PDER-H2-R1.6						●		●					
	APMT1135PDER-H2-R2.0						●		●					
	APMT1604PDER-H2-R0.2						●		●					
	APMT1604PDER-H2-R0.4						●		●					
	APMT1604PDER-H2						●		●			★	★	
	APMT1604PDER-H2-R1.0						●		●					
	APMT1604PDER-H2-R1.2						●		●					
	APMT1604PDER-H2-R1.6						●		●					
	APMT1604PDER-H2-R2.0						●		●					
	APMT1604PDER-H2-R2.4						●		●					
	APMT1604PDER-H2-R3.0						●		●					
APMT1604PDER-H2-R4.0						●		●						
	APGT113508-G2												●	
	APGT160402-G2												●	
	APGT160404-G2												●	
	APGT160408-G2												●	
	APKT160402-MA												●	

Inserts Shape	Type	Grade												
		CVD coating					PVD coating				H	High S		Cc
		J	J	J	J	J	J	J	J	J	J	J	J	J
		Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
P	P	M	M	K	T	T	T	T	T	T	T	T		
1	1	1	1	1	2	2	2	2	2	3	3	0		
0	0	0	0	0	0	1	0	0	1	1	1	1		
1	2	1	2	2	1	2	5	7	4	2	6	1		
	XSEQ1202	○		○				●				★	★	●
	XSEQ1203	○		○				●				★	★	●
	XSEQ12T3	○		○				●				★	★	●
	XSEQ1204	○		○				●				★	★	●
	XSEQ12T4	○		○				●				★	★	●
	MPHT060304-DM		○		○	●		●				★	★	
	MPHT080305-DM		○		○	●		●				★	★	
	MPHT120408-DM		○		○	●		●				★	★	
	MPHT120420-DM							●						
	MPHT060304-LY													●
	MPHT080305-LY													●
	MPHT120408-LY													●








Inserts Shape	Type	Grade												
		CVD coating					PVD coating				H	High S		Cc
		J	J	J	J	J	J	J	J	J	J	J	J	J
		Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
P	P	M	M	K	T	T	T	T	T	T	T	T		
1	1	1	1	1	2	2	2	2	2	3	3	0		
0	0	0	0	0	0	1	0	0	1	1	1	1		
1	2	1	2	2	1	2	5	7	4	2	6	1		
	WPGT060415ZSR		○		○			○	●	●		★	★	
	WPGT080615ZSR		○		○			○	●	●		★	★	
	SDMT09T312-DM		○		○			○	●	●		★	★	
	SDMT120412-DM		○		○			○	●	●		★	★	



Inserts Shape	Type	Grade												
		CVD coating					PVD coating				H	High S		Cc
		J	J	J	J	J	J	J	J	J	J	J	J	J
		Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
P	P	M	M	K	T	T	T	T	T	T	T	T		
1	1	1	1	1	2	2	2	2	2	3	3	0		
0	0	0	0	0	0	1	0	0	1	1	1	1		
1	2	1	2	2	1	2	5	7	4	2	6	1		
	RDKW10T3MO						●		●	○				
	RDKW1204MO						●		●	○				
	RDKW1604MO						●		●	○				
	RDKW1204MO-1						●		●	○				
	RDKW1604MO-1						●		●	○				
	RPMW1003MO					●	●	●						
	RPMT1204-M-C					●								
	RCKT1606MO-ER		●		●	●		●		●				
	RDKT1204MO						●		●		★	★		
	RCMT1204MO	●	●				●							



Inserts Shape	Type	Grade												
		CVD coating					PVD coating				H	High S		Cc
		J	J	J	J	J	J	J	J	J	J	J	J	J
		Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
P	P	M	M	K	T	T	T	T	T	T	T	T		
1	1	1	1	1	2	2	2	2	2	3	3	0		
0	0	0	0	0	0	1	0	0	1	1	1	1		
1	2	1	2	2	1	2	5	7	4	2	6	1		
	SPKR1504EDR-GM	●	●		●			●						
	SPKR1504EDL-GM	●	●		●			●						
	SPKN1504EDSKR	●	●		●			●						
	SPKN1504EDSKL	●	●		●			●						
	TPKN2204PDSKR	●	●		●			●						
	YC30S													
	SEKR1203AZ-YM							●	●	●				

Inserts Shape	Type	Grade													
		CVD coating					PVD coating				H	High S		Cc	
		J	J	J	J	J	J	J	J	J	J	J	J	J	
		Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	
P	P	M	M	K	T	T	T	T	T	T	T	T			
1	1	1	1	1	2	2	2	2	2	3	3	0			
0	0	0	0	0	0	1	0	0	1	1	1	1			
1	2	1	2	2	1	2	5	7	4	2	6	1			
	SNMX1206ZNN-M							●		●					
	SNMX1206ANN-MM							●		●					
	SNMX1205ANN-DL							●		●					
	SNMX1205QNN-JL							●		●					
	SNMU1206XTN							●		○					
	SNMU1306EN-SM							●		●					



Inserts Shape	Type	Grade												
		CVD coating						PVD coating			High S		Cc	
		J	J	J	J	J	J	J	J	J	J	J	J	
		Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	
P	P	P	M	M	K	T	T	T	T	T	T			
1	1	1	1	1	1	2	2	2	3	3	1			
0	0	0	0	0	0	1	0	0	1	1	0			
1	2	3	1	2	2	2	5	9	2	6	1			
	ZTED02503-MG	○						●	○					
	ZTFD0303-MG	●						●	●					
	ZTGD0404-MG	●						●	●					
	ZTHD0504-MG	●						●	○					
	ZTKD0608-MG	●						●	○					
	ZPFS0302-MG	●						●						
	ZPGS0402-MG	○						●						
	ZPHS0503-MG	○						●						
	ZPKS0604-MG	○						●						
	MGMN200-T							●		●				
	MGMN250-T							●		●				
	MGMN300-T							●		●				
	MGMN400-T							●		●				
	MGMN500-T							●		●				
	MGMN600-T							●		●				
	MGMN200-M	●						●		●				
	MGMN250-M	●						●		●				
	MGMN300-M	●						●		●				
	MGMN400-M	●						●		●				
	MGMN500-M	●						●		●				
	MGMN150-G	●						●		●				
	MGMN200-G	●						●		●				
	MGMN250-G	●						●		●				
	MGMN200-J	○						●		●				
	MGMN250-J	○						●		●				
	MGMN300-J	○						●		●				
	MGMN400-J	○						●		●				
	MGMN200-DR	○						●		●				
	MGMN250-DR	○						●		●				
	MGMN300-DR	○						●		●				
	MGMN400-DR	○						●		●				




Inserts Shape	Type	Grade											
		CVD coating						PVD coating			Cermet		Cc
		J	J	J	J	J	J	J	J	J	J	J	J
		Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
P	P	P	M	M	K	T	T	T	C	C	1		
1	1	1	1	1	1	2	2	2	1	1	0		
0	0	0	0	0	0	1	0	0	0	0	1		
1	2	3	1	2	2	2	5	9	1	1	1		
	MRMN200-M	○							●				
	MRMN250-M	○							●				
	MRMN300-M	○							●				
	MRMN400-M	●							●				
	MRMN500-M	○							●				
	MRMN600-M	○							●				
	TDXU2								●				
	TDXU3								●				
	TDXU4								●				
	TDJ2								●				
	TDJ3								●				
	TDJ4								●				
	TDC2								●				
	TDC3								●				
	TDC4								●				
	MGMN200-TDC									●			
	MGMN300-TDC									●			
	MGMN400-TDC									●			
 -C	MGGN150-C											●	
	MGGN150-G											●	
	MGGN200-C											●	
	MGGN200-G											●	
	MGGN250-C											●	
	MGGN250-G											●	
 -M -G	MGGN300-C											●	
	MGGN300-M											●	
	MGGN400-M											●	
	MGGN500-C											●	
	MGGN500-M											●	

Inserts Shape	Type	Grade											
		CVD coating						PVD coating			Cermet		Cc
		J	J	J	J	J	J	J	J	J	J	J	J
		Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
P	P	P	M	M	K	T	T	T	C	C	1		
1	1	1	1	1	1	2	2	2	1	1	0		
0	0	0	0	0	0	1	0	0	0	0	1		
1	2	3	1	2	2	2	5	9	1	1	1		
	MGGN200-JM									●			
	MGGN300-JM									●			
	MGGN350-JM									●			
	MGGN400-JM									●			
	MGGN200R-8									●			
	MGGN300R-8									●			
	MGGN350R-8									●			
	MGGN400R-8									●			
	MGGN200L-8									●			
	MGGN300L-8									●			
	MGGN350L-8									●			
	MGGN400L-8									●			

Inserts Shape	Type	Grade											
		CVD coating						PVD coating					
		J	J	J	J	J	J	J	J	J	J	J	J
		Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
P	P	P	M	M	K	T	T	T	T	T	T		
1	1	1	1	1	1	2	2	2	2	2	1		
0	0	0	0	0	0	0	1	0	0	1	1		
1	2	3	1	2	2	1	2	6	7	7			
	MMT16ER150ISO-S											●	
	MMT16ER200ISO-S											●	
	MMT16ER250ISO-S											●	
	MMT16ER300ISO-S											●	
	MMT16ER300ISO-S											●	
	MMT16ERAG55-S											●	
	MMT16ERAG60-S											●	
	MMT16IR150ISO-S											●	
	MMT16IR200ISO-S											●	
	MMT16IR250ISO-S											●	
	MMT16IR300ISO-S											●	
	MMT16IR300ISO-S											●	
	MMT16IRAG55-S											●	
	MMT16IRAG60-S											●	

Inserts Shape	Type	Grade						
		PVD coating				High S		Cc
		J Z T 2 0 1	J Z T 2 0 2	J Z T 2 0 5	J Z T 2 0 7	J Z T 3 1 2	J Z T 3 1 6	J Z 1 0 1
		Blue		Yellow	Blue		Green	
	WCMX030208-U	○	●		○	☆	☆	
	WCMX040208-U	○	●		○	☆	☆	
	WCMX050308-U	○	●		○	☆	☆	
	WCMX06T308-U	○	●		○	☆	☆	
	WCMX080412-U	○	●		○	☆	☆	
	WCMX030208	○	●		○	☆	☆	
	WCMX040208	○	●		○	☆	☆	
	WCMX050308	○	●		○	☆	☆	
	WCMX06T308	○	●		○	☆	☆	
	WCMX080412	○	●		○	☆	☆	
	WCMX030208							●
	WCMX040208							●
	WCMX050308							●
	WCMX06T308							●
	WCMX080412							●
	SPGT050204	○	●		○	☆	☆	
	SPGT060204	○	●		○	☆	☆	
	SPGT07T308	○	●		○	☆	☆	
	SPGT090408	○	●		○	☆	☆	
	SPGT110408	○	●		○	☆	☆	
	SPGT140512	○	●		○	☆	☆	
	SPGT050204							●
	SPGT060204							●
	SPGT07T308							●
	SPGT090408							●
	SPGT110408							●
	SPGT140512							●
	SOMT040204-DP	●	○			☆	☆	
	SOMT060204-DP	●	○			☆	☆	
	SOMT070306-DP	●	○			☆	☆	
	SOMT08T306-DP	●	○			☆	☆	
	SOMT09T308-DP	●	○			☆	☆	
	SOMT11T308-DP	●	○			☆	☆	
	SOMT130408-DP	●	○			☆	☆	
	SOMT150510-DP	●	○			☆	☆	

Inserts Shape	Type	Grade						
		PVD coating				Cermet		Cc
		J	J	J	J	J	J	J
		Z	Z	Z	Z	Z	Z	Z
T	T	T	T	C	C	1		
2	2	2	2	1	1	0		
0	0	0	0	0	0	1		
1	2	5	7	1	1	1		
	TPMX0902-RG	●	●					
	TPMX1403-RG	●	●					
	TPMX1704-RG	●	●					
	TPMX2204-RG	●	●					
	TPMX2405-RG	●	●					
	TPMX2807-RG	●	●					
	TPMX1403-RB	●	●					
	TPMX1704-RB	●	●					
	TPMX2204-RB	●	●					
	TPMX2405-RB	●	●					
	TPMX2807-RB	●	●					

Inserts Shape	Type	Grade						
		CVD coating					PVD coating	
		J	J	J	J	J	J	J
		Z	Z	Z	Z	Z	Z	Z
P	P	P	M	M	T	T		
1	1	1	1	1	2	2		
0	0	0	0	0	0	1		
1	2	3	1	2	1	2		
 Peeling insert	S-SPUB-63A	●					○	○
	S-SPUB-63B	●					○	○
	S-SPUB-63C	●					○	○
	S-SPUB-63D	●					○	○
	S-SPUB-63E	●					○	○
	S-SPUB-63F	●					○	○
	S-SPUB-63G	●					○	○
 Peeling Insert	TNMX1106-2	●	●	○			○	○
	TNMX1509-2	●	●	●			●	○
	TNMX1808-2	●	●	○			●	○
							○	○
 Wheel insert	LNMX301940-ME	●	●	●			○	○
							○	○
							○	○
							○	○
							○	○

HAO CARBIDE CO., LTD

Phone No.:19313375071

Zip : 412007

Web : <http://www.haoxidao.com>

Add : Building3,Power Valley Industrial
Park,Zhuzhou City,Hunan Province,China