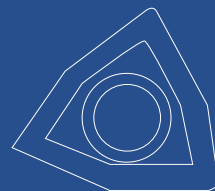
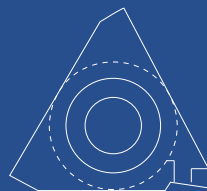
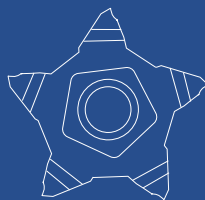
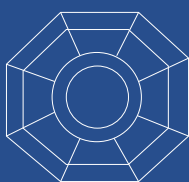


CARBIDE INSERTS CATALOG



Nigel Precision Machiner(shanghai)Co.,Ltd



NIGEL



COMPANY PROFILE

Nigel Precision Machinery Co., Ltd. is located in Shanghai, China. We specialize in cutting tools and have more than 20 years' experience in this field. We always adhere to the principles of quality first, reputation first, and customer first to provide customers with the highest quality cutting tool solutions.

We are also one of the world's best supplier and manufacturer of cutting tools with full range of cutting tools. Products cover turning, grooving, milling, drilling and other processing methods. The main products are PCBN, PCD inserts, carbide inserts, gear cutting tools, and small boring tools, replaceable drills bits, BTA drills and so on, We have advanced fully automated production equipment, presses, sintering furnaces, coating equipment and Mazak 5-axis CNC machine, Switzerland STUDER grinding machine for internal and external cylindrical grinding, Zoller tool detector, Swiss Alicona passivation testing equipment, German Zeiss CMM. In the production process, we inspect each process of the product to ensure the precision and accuracy of each product. In addition, we can also provide customized services and OEM services according to customer needs.

Our products are favored by customers all over the world, especially in Europe, North America, Asia and other countries with developed manufacturing industries. In the future, our goal is to continuously improve our technical level and product quality and create new markets. We hope that NIGEL's products can create value and competitiveness for you.



CARBIDE INSERTS

硬质合金刀片

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Material description 材质说明

Code No.	P	M	K	N	S	H
NKW10			⊙	●		
ND880	●	⊙			●	●
ND660					●	
NJ680		●			⊙	●
N255	●	●	●		⊙	○
N525	●	●	●		⊙	○
N530	●	●	●		⊙	○
NV880	●	●	●		⊙	○
N235	●	●	●		⊙	○
N201	●	●	●		⊙	○
N880	●	●				
N5215	●		●			
NN100	●		●			⊙
N155A	●	●	⊙		●	●
N156	●	⊙	⊙			⊙
N125	●	●	●			
N215	●	●	●			
NZ660	●	●	⊙	⊙	●	⊙
NJ660	●	●				
NK525			●			
N820					●	⊙
NG100	●	⊙				⊙
NM652	⊙	●			⊙	⊙
NF660	⊙	●	⊙		⊙	●
NM552	⊙	●			⊙	⊙
NG202	●	⊙	⊙			⊙
N5555	●	⊙	●			
NG201	●					⊙
N8010	●	⊙				⊙
N8030	●	⊙				⊙

Material description

材质说明

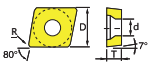
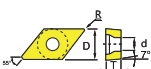
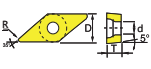
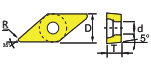
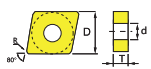
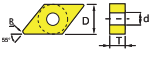
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NK205			●			
NM156	●	●	●		⊙	○
NM820	●		●			⊙
N820J	⊙	●	⊙		●	
N310	⊙	●	⊙		●	○
N320	●	○	○			○
N535	●	●	○		○	○
N720			●			
DF100	●	●			⊙	
DJ166	●	●	●		●	⊙
DD388	●	⊙	○		●	○
NM155	●	●	●		●	⊙
DNW100	●	⊙	⊙			●

Aluminum processing inserts 铝加工刀片

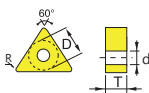
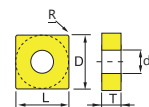
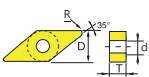
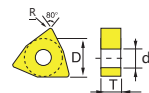
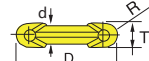
Work material	P									● 1st choice ⊙ 2nd choice ○ 3rd choice
	M									
	K									
	N									
Inserts	ISO Code	Grade				Dimensions(mm)				Drawing
		NKW10				D	T	d		
RCGT-MO	RCGT0602MO	●				6.00	2.38	2.80		
	RCGT0802MO	●				8.00	2.38	3.40		
	RCGT0803MO	●				8.00	3.18	3.40		
	RCGT1003MO	●				10.00	3.18	4.40		
	RCGT10T3MO	●				10.00	3.97	4.40		
	RCGT12T3MO	●				12.00	3.97	4.40		
RPGT-MO	RPGT0702MO	●				7.00	2.38	2.80		
	RPGT0803MO	●				8.00	3.18	3.40		
	RPGT1003MO	●				10.00	3.18	4.40		
	RPGT10T3MO	●				10.00	3.97	4.40		
	RPGT1204MO	●				12.00	4.76	4.40		
OFEX-ALU	OFEX05T3-ALU	●				12.70	3.77	4.80		

Work material	P									● 1st choice ⊙ 2nd choice ○ 3rd choice
	M									
	K									
	N									
Inserts	ISO Code	Grade				Dimensions(mm)				Drawing
		NKW10				L	B	T	d	
APKT-G2	APKT160402-G2	●				16.30	9.525	4.76	4.40	
	APKT160404-G2	●				16.30	9.525	4.76	4.40	
	APKT160408-G2	●				16.30	9.525	4.76	4.40	
APKT-PDFR	APKT1135PDFR-G2	●				11.00	6.35	3.50	2.80	
	APKT1604PDFR-G2	●				16.30	9.525	4.76	4.40	
APKT-PDFR-LH	APKT1604PDFR-LH	●				16.30	9.525	4.76	4.40	
SEKT-KT	SEKT0903AEFN-KT	●				9.525	\	3.18	3.40	
SEHT-KT	SEHT13T3AZFN-KT	●				13.40	\	3.97	4.20	
	SEHT1204AFFN-KT	●				12.00	\	4.76	5.50	

Aluminum processing inserts 铝加工刀片

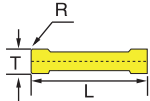
Work material	P									● 1st choice			
	M									◎ 2nd choice			
	K									○ 3rd choice			
	N												
Inserts	ISO Code	Grade						Dimensions(mm)				Drawing	
		NKW10						D	T	d	R		
	CCGT060202-KT		●					6.35	2.38	2.80	0.20		
	CCGT060204-KT		●					6.35	2.38	2.80	0.40		
	CCGT060208-KT		●					6.35	2.38	2.80	0.80		
	CCGT09T302-KT		●					9.525	3.97	4.40	0.20		
	CCGT09T304-KT		●					9.525	3.97	4.40	0.40		
	CCGT09T308-KT		●					9.525	3.97	4.40	0.80		
	CCGT120402-KT		●					12.70	4.76	5.50	0.20		
	CCGT120404-KT		●					12.70	4.76	5.50	0.40		
	CCGT120408-KT		●					12.70	4.76	5.50	0.80		
	DCGT070202-KT		●					6.35	2.38	2.80	0.20		
	DCGT070204-KT		●					6.35	2.38	2.80	0.40		
	DCGT070208-KT		●					6.35	2.38	2.80	0.80		
	DCGT11T302-KT		●					9.525	3.97	4.40	0.20		
	DCGT11T304-KT		●					9.525	3.97	4.40	0.40		
	DCGT11T308-KT		●					9.525	3.97	4.40	0.80		
	TCGT090202-KT		●					5.56	2.38	2.50	0.20		
	TCGT090204-KT		●					5.56	2.38	2.50	0.40		
	TCGT090208-KT		●					5.56	2.38	2.50	0.80		
	TCGT110202-KT		●					6.35	2.38	2.80	0.20		
	TCGT110204-KT		●					6.35	2.38	2.80	0.40		
	TCGT110208-KT		●					6.35	2.38	2.80	0.80		
	TCGT16T302-KT		●					9.525	3.97	4.40	0.20		
	TCGT16T304-KT		●					9.525	3.97	4.40	0.40		
	TCGT16T308-KT		●					9.525	3.97	4.40	0.80		
	VBGT110302-KT		●					6.35	3.18	2.80	0.20		
	VBGT110304-KT		●					6.35	3.18	2.80	0.40		
	VBGT110308-KT		●					6.35	3.18	2.80	0.80		
	VBGT160402-KT		●					9.525	4.76	4.40	0.20		
	VBGT160404-KT		●					9.525	4.76	4.40	0.40		
	VBGT160408-KT		●					9.525	4.76	4.40	0.80		
	VCGT110302-KT		●					6.35	3.18	2.80	0.20		
	VCGT110304-KT		●					6.35	3.18	2.80	0.40		
	VCGT110308-KT		●					6.35	3.18	2.80	0.80		
	VCGT160402-KT		●					9.525	4.76	4.40	0.20		
	VCGT160404-KT		●					9.525	4.76	4.40	0.40		
	VCGT160408-KT		●					9.525	4.76	4.40	0.80		
	VCGT160412-KT		●					9.525	4.76	4.40	1.20		
	VCGT220512-KT		●					12.70	5.56	5.50	1.20		
	VCGT220530-KT		●					12.70	5.56	5.50	3.00		
	CNGG120402-KT		●					12.70	4.76	5.16	0.20		
	CNGG120404-KT		●					12.70	4.76	5.16	0.40		
	CNGG120408-KT		●					12.70	4.76	5.16	0.80		
	CNGG120412-KT		●					12.70	4.76	5.16	1.20		
	DNNGG150404-KT		●					12.70	4.76	5.16	0.40		
	DNNGG150408-KT		●					12.70	4.76	5.16	0.80		
	DNNGG150412-KT		●					12.70	4.76	5.16	1.20		
	DNNGG150604-KT		●					12.70	6.35	5.16	0.40		
	DNNGG150608-KT		●					12.70	6.35	5.16	0.80		
	DNNGG150612-KT		●					12.70	6.35	5.16	1.20		
	SNGG120402-KT		●					12.70	4.76	5.16	0.20		
	SNGG120404-KT		●					12.70	4.76	5.16	0.40		
	SNGG120408-KT		●					12.70	4.76	5.16	0.80		
	SNGG120412-KT		●					12.70	4.76	5.16	1.20		

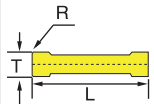
Aluminum processing inserts
铝加工刀片

Work material	P								● 1st choice ◎ 2nd choice ○ 3rd choice		
	M										
	K			◎							
	N			●							
Inserts	ISO Code		NKW10	Grade			Dimensions(mm)				Drawing
							D	T	d	R	
TNGG-KT	TNGG160402-KT		●				9.525	4.76	3.81	0.20	
	TNGG160404-KT		●				9.525	4.76	3.81	0.40	
	TNGG160408-KT		●				9.525	4.76	3.81	0.80	
	TNGG160412-KT		●				9.525	4.76	3.81	1.20	
SCGT-KT	SCGT09T301-KT		●				9.525	3.97	4.40	0.10	
	SCGT09T302-KT		●				9.525	3.97	4.40	0.20	
	SCGT09T304-KT		●				9.525	3.97	4.40	0.40	
	SCGT09T308-KT		●				9.525	3.97	4.40	0.80	
	SCGT120401-KT		●				12.70	4.76	5.16	0.10	
	SCGT120402-KT		●				12.70	4.76	5.16	0.20	
	SCGT120404-KT		●				12.70	4.76	5.16	0.40	
	SCGT120408-KT		●				12.70	4.76	5.16	0.80	
VNGG-KT	VNGG160402-KT		●				9.525	4.76	3.81	0.20	
	VNGG160404-KT		●				9.525	4.76	3.81	0.40	
	VNGG160408-KT		●				9.525	4.76	3.81	0.80	
	VNGG160412-KT		●				9.525	4.76	3.81	1.20	
WNGG-KT	WNGG080402-KT		●				12.70	4.76	5.16	0.20	
	WNGG080404-KT		●				12.70	4.76	5.16	0.40	
	WNGG080408-KT		●				12.70	4.76	5.16	0.80	
	WNGG080412-KT		●				12.70	4.76	5.16	1.20	
GIPA-AT	GIPA80-40-AT		●				25.00	8.00	5.60	4.00	
	GIPA60-30-AT		●				15.00	6.00	4.80	3.00	

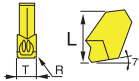
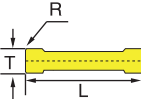
Groove processing inserts 槽加工刀片

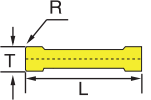
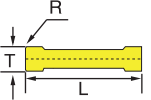
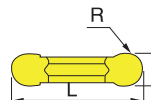
Work material	P		●		●	●	●	●	● 1st choice ⊙ 2nd choice ○ 3rd choice						
	M		⊙	●	●	●	●	●							
	K				●	●	●	●							
	N														
	S		●	⊙	⊙	⊙	⊙	⊙							
	H		●	●	○	○	○	○							
Inserts	ISO Code	Grade						Dimensions(mm)				Drawing			
		ND880	NJ680	N255	N525	N530	NV880	L	T	R					
	DGN2002-J			●				19.90	2.00	0.20					
	DGN2202-J			●				19.80	2.20	0.20					
	DGN2002-C			●	●			19.90	2.00	0.20					
	DGN2202-C			●				19.80	2.20	0.20					
	DGN3002-C			●	●			20.90	3.00	0.20					
	DGN3102-C			●				20.10	3.10	0.20					
	DGN4003-C				●			18.80	4.00	0.30					
	DGN5004-C				●			19.10	5.00	0.40					
	DGR2202JS-15D			●				21.00	2.20	0.20					
	DGR2202JS-6D			●				21.00	2.20	0.20					
	GRIP3002-Y			●				15.80	3.00	0.20					
	GRIP3003-Y			●				15.80	3.00	0.30					
	GRIP4004-Y			●				19.00	4.00	0.40					
	GRIP4002-Y			●	●			19.00	4.00	0.20					
	GRIP5005-Y			●				19.00	5.00	0.50					
	GRIP5008-Y			●				19.00	5.00	0.80					
	HFPR6004				●			19.00	6.00	0.40					
	TDC-2	●	●	●	●	●	●	20.00	2.00	0.20					
	TDC-3	●	●	●	●	●	●	20.00	3.00	0.20					
	TDC-4	●	●	●			●	20.00	4.00	0.30					
	TDC-5			●				25.00	5.00	0.30					
	TDC-2-7D			●				20.00	2.00	0.20					
	TDC-3-7D			●				20.00	3.00	0.20					
	TDX-2			●				20.00	2.00	0.20					
	TDX-3			●				20.00	3.00	0.20					
	TDX-4			●				20.00	4.00	0.30					
	TDX-5			●				25.00	5.00	0.30					
	TDX-6			●				25.00	6.00	0.30					
	TDJ-1.4			●				16.00	1.40	0.16					
	TDJ-2	●	●	●	●	●	●	20.00	2.00	0.20					
	TDJ-3	●	●	●	●	●	●	20.00	3.00	0.20					
	TDJ-4	●	●	●	●	●	●	20.00	4.00	0.30					
	TDJ-5			●				25.00	5.00	0.30					
	TDJ-2-7D			●				20.00	2.00	0.20					
	TDJ-2-15D			●				20.00	2.00	0.20					
	TDJ-3-7D			●				20.00	3.00	0.20					
	TDJ-3-15D			●				20.00	3.00	0.20					



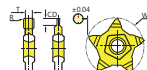


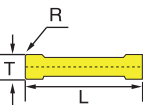
Groove processing inserts 槽加工刀片

Work material	P		●		●	●			● 1st choice ⊗ 2nd choice ○ 3rd choice			
	M		⊗		●	●	●					
	K				●	●						
	N											
	S		●	●	⊗	⊗	⊗					
	H		●		○	○	●					
Inserts	ISO Code	Grade						Dimensions(mm)				Drawing
		ND880	ND660	N255	N201	NJ680		L	T	R		
	SP200			●	●			9.30	2.20	0.20		
	SP300			●	●			11.30	3.10	0.20		
	SP400			●	●			11.30	4.10	0.25		
	SP500			●	●			11.40	5.10	0.30		
	SP600			●	●			11.40	6.40	0.30		
	MGMN150-GC	●	●					16.00	1.50	0.15		
	MGMN200-GC	●	●					16.00	2.00	0.20		
	MGMN250-GC	●	●					18.50	2.50	0.20		
	MGMN300-GC	●	●					21.00	3.00	0.40		
	MGMN400-GC	●	●					21.00	4.00	0.40		
	MGMN500-GC	●	●					26.00	5.00	0.80		
	MGMN200-T			●		●		16.00	2.00	0.20		
	MGMN250-T			●		●		18.50	2.50	0.20		
	MGMN300-T			●		●		21.00	3.00	0.40		
	MGMN400-T			●		●		21.00	4.00	0.40		
	MGMN500-T			●		●		26.00	5.00	0.80		

Work material	P		●	●	●	●			● 1st choice ⊗ 2nd choice ○ 3rd choice			
	M		●		●	●		●				
	K			●	●	●						
	N						●					
	S				⊗	⊗		⊗				
H				○	○		●					
Inserts	ISO Code	Grade						Dimensions(mm)				Drawing
		N880	N5215	N255	N201	NKWT10	NJ680	L	T	R		
	MGMN150-G	●	●	●	●	●		16.00	1.50	0.15		
	MGMN200-G	●	●	●	●	●		16.00	2.00	0.20		
	MGMN250-G	●	●	●	●	●		18.50	2.50	0.20		
	MGMN200-M	●	●					16.00	2.00	0.20		
	MGMN250-M	●	●	●	●	●		18.50	2.50	0.20		
	MGMN300-M	●	●	●	●	●		21.00	3.00	0.40		
	MGMN400-M	●	●	●	●	●		21.00	4.00	0.40		
	MGMN500-M	●	●	●	●	●		26.00	5.00	0.80		
	MGMN600-M			●	●	●		26.00	6.00	0.40		
	MGMN800-M			●	●	●		31.00	8.00	0.80		
	MRMN200-M		●	●	●		●	16.00	2.00	1.00		
	MRMN300-M		●	●	●		●	21.00	3.00	1.50		
	MRMN400-M		●	●	●		●	21.00	4.00	2.00		
	MRMN500-M		●	●	●		●	26.00	5.00	2.50		
	MRMN600-M			●	●			26.00	6.00	3.00		
	MRMN200-R						●	16.00	2.00	1.00		
	MRMN300-R						●	21.00	3.00	1.50		
	MRMN400-R						●	21.00	4.00	2.00		
	MRMN500-R						●	26.00	5.00	2.50		

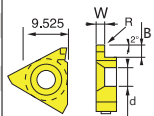
Groove processing inserts 槽加工刀片

Work material	P				●				● 1st choice ⊗ 2nd choice ○ 3rd choice			
	M				●							
	K				●							
	N											
	S				⊗							
	H				○							
Inserts	ISO Code	Grade						Dimensions(mm)				Drawing
				N235				W	T	R	CD	
PENTA 	PENTA 24N200C050			●				24.00	2.00	0.50	2.00	
	PENTA 24N200C080			●				24.00	2.00	0.50	3.00	
	PENTA 24N200C100			●				24.00	2.00	0.50	4.00	
	PENTA 24N200C110			●				24.00	2.00	0.50	4.00	
	PENTA 24N200C120			●				24.00	2.00	0.50	4.00	
	PENTA 24N200C150			●				24.00	2.00	0.50	4.00	
	PENTA 24N200C180			●				24.00	2.00	0.50	4.00	
	PENTA 24N200C200			●				24.00	2.00	0.50	4.50	
	PENTA 24N200C220			●				24.00	2.00	0.50	4.50	
	PENTA 34N200C180			●				34.00	2.00	0.50	4.50	
	PENTA 24N200C250			●				24.00	2.00	0.50	4.50	

Work material	P		●	●	●		●		● 1st choice ⊗ 2nd choice ○ 3rd choice			
	M		●	●	●							
	K		●	●	●	⊗	●					
	N					●						
	S		⊗	⊗	⊗							
	H		○	○	○		⊗					
Inserts	ISO Code	Grade						Dimensions(mm)				Drawing
		N255	N201	N235	NKW10	NN100		L	T	R		
	MGMN150-F7			●	●	●		16.00	1.50	0.15		
	MGMN200-F7			●	●	●		16.00	2.00	0.20		
	MGMN250-F7			●	●	●		18.50	2.50	0.20		
	MGMN300-F7			●	●	●		21.00	3.00	0.40		
	MGMN400-F7			●	●	●		21.00	4.00	0.40		
	MGMN500-F7				●	●		26.00	5.00	0.80		
	MGMN600-F7				●			26.00	6.00	0.80		
	MGGN150-F			●				16.00	1.50	0.15		
	MGGN200-F			●				16.00	2.00	0.20		
	MGGN250-F			●				18.50	2.50	0.20		
	MGGN300-F			●				21.00	3.00	0.40		
	MGGN400-F			●				21.00	4.00	0.40		
	MGGN500-F			●				26.00	5.00	0.40		
	MGGN600-F			●				26.00	6.00	0.80		
	MGMN150-J	●	●					16.00	1.50	0.15		
	MGMN200-J	●	●					16.00	2.00	0.20		
	MGMN300-J	●	●					21.00	3.00	0.40		
	MGMN400-J	●	●					21.00	4.00	0.40		
	MGMN500-J	●	●					26.00	5.00	0.80		
	MGMN150-C	●	●					16.00	1.50	0.15		
	MGMN200-C	●	●					16.00	2.00	0.20		
	MGMN300-C	●	●					21.00	3.00	0.40		
	MGMN400-C	●	●					21.00	4.00	0.40		
	MGMN500-C	●	●					26.00	5.00	0.80		

Groove processing inserts

槽加工刀片

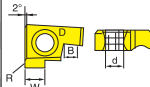
Work material	P		●		●	●	●		● 1st choice ⊗ 2nd choice ○ 3rd choice			
	M		●		●	●	⊗					
	K		●	⊗	●	⊗	⊗					
	N			●								
	S		⊗			●						
	H		○		⊗	●	⊗					
Inserts	ISO Code	Grade						Dimensions(mm)				Drawing
		N235	NKWF10	NN100	N155A	N156		W	R	B	d	
TGF32-R/L	TGF32R/L-030	●	●	●	●	●		0.30	0.05	0.80	4.60	 
	TGF32R/L-035	●	●	●	●	●		0.35	0.05	0.80	4.60	
	TGF32R/L-040	●	●	●	●	●		0.40	0.05	1.00	4.60	
	TGF32R/L-045	●	●	●	●	●		0.45	0.05	1.00	4.60	
	TGF32R/L-050	●	●	●	●	●		0.50	0.05	1.20	4.60	
	TGF32R/L-055	●	●	●	●	●		0.55	0.05	1.20	4.60	
	TGF32R/L-060	●	●	●	●	●		0.60	0.10	1.20	4.60	
	TGF32R/L-065	●	●	●	●	●		0.65	0.10	1.20	4.60	
	TGF32R/L-070	●	●	●	●	●		0.70	0.10	2.00	4.60	
	TGF32R/L-075	●	●	●	●	●		0.75	0.10	2.00	4.60	
	TGF32R/L-080	●	●	●	●	●		0.80	0.10	2.00	4.60	
	TGF32R/L-085	●	●	●	●	●		0.85	0.10	2.00	4.60	
	TGF32R/L-090	●	●	●	●	●		0.90	0.10	2.00	4.60	
	TGF32R/L-095	●	●	●	●	●		0.95	0.10	2.00	4.60	
	TGF32R/L-100	●	●	●	●	●		1.00	0.10	2.00	4.60	
	TGF32R/L-105	●	●	●	●	●		1.05	0.10	2.00	4.60	
	TGF32R/L-110	●	●	●	●	●		1.10	0.10	2.00	4.60	
	TGF32R/L-115	●	●	●	●	●		1.15	0.10	2.00	4.60	
	TGF32R/L-120	●	●	●	●	●		1.20	0.10	2.00	4.60	
	TGF32R/L-125	●	●	●	●	●		1.25	0.10	2.00	4.60	
	TGF32R/L-130	●	●	●	●	●		1.30	0.10	2.00	4.60	
	TGF32R/L-135	●	●	●	●	●		1.35	0.10	2.00	4.60	
	TGF32R/L-140	●	●	●	●	●		1.40	0.10	2.00	4.60	
	TGF32R/L-145	●	●	●	●	●		1.45	0.10	2.00	4.60	
	TGF32R/L-150	●	●	●	●	●		1.50	0.10	2.00	4.60	
	TGF32R/L-155	●	●	●	●	●		1.55	0.10	2.00	4.60	
	TGF32R/L-160	●	●	●	●	●		1.60	0.10	2.00	4.60	
	TGF32R/L-165	●	●	●	●	●		1.65	0.10	2.00	4.60	
	TGF32R/L-170	●	●	●	●	●		1.70	0.10	2.00	4.60	
	TGF32R/L-175	●	●	●	●	●		1.75	0.10	2.00	4.60	
	TGF32R/L-180	●	●	●	●	●		1.80	0.10	2.00	4.60	
	TGF32R/L-185	●	●	●	●	●		1.85	0.10	2.00	4.60	
	TGF32R/L-190	●	●	●	●	●		1.90	0.10	2.00	4.60	
	TGF32R/L-195	●	●	●	●	●		1.95	0.10	2.00	4.60	
	TGF32R/L-200	●	●	●	●	●		2.00	0.10	2.50	4.60	
	TGF32R/L-205	●	●	●	●	●		2.05	0.10	2.50	4.60	
	TGF32R/L-210	●	●	●	●	●		2.10	0.10	2.50	4.60	
	TGF32R/L-215	●	●	●	●	●		2.15	0.10	2.50	4.60	
	TGF32R/L-220	●	●	●	●	●		2.20	0.10	2.50	4.60	
	TGF32R/L-225	●	●	●	●	●		2.25	0.10	2.50	4.60	
	TGF32R/L-230	●	●	●	●	●		2.30	0.10	2.50	4.60	
	TGF32R/L-235	●	●	●	●	●		2.35	0.10	2.50	4.60	
	TGF32R/L-240	●	●	●	●	●		2.40	0.10	2.50	4.60	
	TGF32R/L-245	●	●	●	●	●		2.45	0.10	2.50	4.60	
	TGF32R/L-250	●	●	●	●	●		2.50	0.10	2.50	4.60	
	TGF32R/L-255	●	●	●	●	●		2.55	0.10	2.50	4.60	
	TGF32R/L-260	●	●	●	●	●		2.60	0.10	2.50	4.60	
	TGF32R/L-265	●	●	●	●	●		2.65	0.10	2.50	4.60	
	TGF32R/L-270	●	●	●	●	●		2.70	0.10	2.50	4.60	
	TGF32R/L-275	●	●	●	●	●		2.75	0.10	2.50	4.60	
	TGF32R/L-280	●	●	●	●	●		2.80	0.10	2.50	4.60	
	TGF32R/L-285	●	●	●	●	●		2.85	0.10	2.50	4.60	
	TGF32R/L-290	●	●	●	●	●		2.90	0.10	2.50	4.60	
	TGF32R/L-295	●	●	●	●	●		2.95	0.10	2.50	4.60	
	TGF32R/L-300	●	●	●	●	●		3.00	0.10	2.50	4.60	
	TGF32R/L-305	●	●	●	●	●		3.05	0.10	2.50	4.60	
	TGF32R/L-310	●	●	●	●	●		3.10	0.10	2.50	4.60	
	TGF32R/L-315	●	●	●	●	●		3.15	0.10	2.50	4.60	

槽加工刀片

Technical drawing of a mechanical part. The left view is a cross-section of a yellow triangular part with a central hole. The right view is a side view of a rectangular block with a 2-degree chamfer. Dimensions are labeled: 12.2 (width of the cross-section), W (width of the block), R (radius of the chamfer), B (height of the block), and d (thickness of the block).

Small diameter inner hole groove processing inserts

小直径内孔槽加工刀片

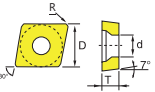
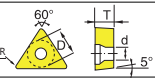
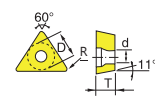
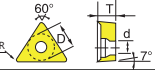
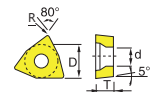
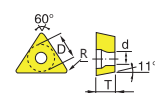
Work material	P			●	●				● 1st choice ⊗ 2nd choice ○ 3rd choice				
	M			●	⊗								
	K		⊗	●	⊗								
	N		●										
	S												
	H				⊗								
Inserts	ISO Code	Grade						Dimensions(mm)				Drawing	
		NK10	N215	N156				W	R	B	d		
	GER100-005A	●	●	●				1.00	0.05	1.50	2.50		
	GER150-010A	●	●	●				1.50	0.10	1.50	2.50		
	GER200-010A	●	●	●				2.00	0.10	1.50	2.50		
	GER100-050AR			●				1.00	0.50	1.50	2.50		
	GER150-075AR			●				1.50	0.75	1.50	2.50		
	GER200-100AR			●				2.00	1.00	1.50	2.50		
	GER100-005B	●	●	●				1.00	0.05	2.20	2.70		
	GER120-005B	●	●	●				1.20	0.05	2.20	2.70		
	GER150-010B	●	●	●				1.50	0.10	2.20	2.70		
	GER200-010B	●	●	●				2.00	0.10	2.20	2.70		
	GER250-020B	●	●	●				2.50	0.20	2.20	2.70		
	GER300-020B	●	●	●				3.00	0.20	2.20	2.70		
	GER100-050BR			●				1.00	0.50	2.20	2.70		
	GER120-060BR			●				1.20	0.60	2.20	2.70		
	GER150-075BR			●				1.50	0.75	2.20	2.70		
	GER200-100BR			●				2.00	1.00	2.20	2.70		
	GER250-125BR			●				2.50	1.25	2.20	2.70		
	GER300-150BR			●				3.00	1.50	2.20	2.70		
	GER100-005C	●	●	●				1.00	0.05	2.50	3.10		
	GER150-005C	●	●	●				1.50	0.05	2.50	3.10		
	GER200-010C	●	●	●				2.00	0.10	2.50	3.10		
	GER250-010C	●	●	●				2.50	0.10	2.50	3.10		
	GER300-010C	●	●	●				3.00	0.10	2.50	3.10		
	GER100-050CR			●				1.00	0.50	2.50	3.10		
	GER150-075CR			●				1.50	0.75	2.50	3.10		
	GER200-100CR			●				2.00	1.00	2.50	3.10		
	GER250-125CR			●				2.50	1.25	2.50	3.10		
	GER300-150CR			●				3.00	1.50	2.50	3.10		
	GER100-005D	●	●	●				1.00	0.05	2.50	3.60		
	GER150-010D	●	●	●				1.50	0.10	2.50	3.60		
	GER200-010D	●	●	●				2.00	0.10	3.20	3.60		
	GER250-020D	●	●	●				2.50	0.20	3.20	3.60		
	GER300-020D	●	●	●				3.00	0.20	4.50	3.60		
	GER100-050DR			●				1.00	0.50	2.50	3.60		
	GER150-075DR			●				1.50	0.75	2.50	3.60		
	GER200-100DR			●				2.00	1.00	3.20	3.60		
	GER250-125DR			●				2.50	1.25	3.20	3.60		
	GER300-150DR			●				3.00	1.50	4.50	3.60		

小直径端槽加工刀片

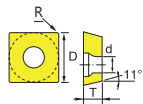
Technical drawing of a mechanical part showing a cross-section with dimensions W , B , R , d , and 9.525 .

Technical drawing of a mechanical part showing a cross-section with dimensions: 2° , R , W , d , and a central hole.

Boring inserts 镗孔刀片

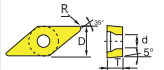
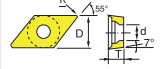
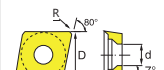
Work material	P		●	●	●		●	●	● 1st choice ⊙ 2nd choice ○ 3rd choice				
	M		●	⊙			●	⊙					
	K		⊙	⊙	●	⊙							
	N						⊙						
	S		●				●	●					
	H		●	⊙	⊙		⊙	●					
Inserts	ISO Code	Grade						Dimensions(mm)				Drawing	
		N155A	N156	NN100	NKW10	NZ660	ND880	D	T	d	R		
	CCGT030101L		●		●			3.97	1.59	2.80	0.10		
	CCGT030102L		●	●	●			3.97	1.59	2.80	0.20		
	CCGT030104L		●	●				3.97	1.59	2.80	0.40		
	CCGT040101L		●					4.76	1.59	2.80	0.10		
	CCGT040102L	●	●	●	●			4.76	1.59	2.80	0.20		
	CCGT040104L		●	●	●			4.76	1.59	2.80	0.40		
	TBGT060102L		●			●		3.97	1.59	2.80	0.20		
	TBGT060104L		●			●		3.97	1.59	2.80	0.40		
	TPGH080202L	●	●	●	●	●		4.76	2.38	2.30	0.20		
	TPGH080204L	●	●	●	●	●		4.76	2.38	2.30	0.40		
	TPGH090202L	●	●	●	●	●		5.56	2.38	2.30	0.20		
	TPGH090204L	●	●	●	●	●		5.56	2.38	2.30	0.40		
	TPGH110202L	●		●	●			6.35	2.38	3.40	0.20		
	TPGH110204L	●		●	●			6.35	2.38	3.40	0.40		
	TPGH110302L	●	●	●	●	●		6.35	3.18	3.40	0.20		
	TPGH110304L	●	●	●	●	●		6.35	3.18	3.40	0.40		
	TCGT110202L		●	●	●			6.35	2.38	2.80	0.20		
	TCGT110204L		●	●	●			6.35	2.38	2.80	0.40		
	WBGT060101L		●	●				3.97	1.59	2.30	0.10		
	WBGT060102L	●	●	●		●		3.97	1.59	2.30	0.20		
	WBGT060104L	●	●	●				3.97	1.59	2.30	0.40		
	WBGW060102L						●	3.97	1.59	2.30	0.20		
	WBGW060104L						●	3.97	1.59	2.30	0.40		
	TPGW060102L						●	3.97	1.59	2.30	0.20		
	TPGW060104L						●	3.97	1.59	2.30	0.40		
	TPGW080202L						●	4.76	2.38	2.30	0.20		
	TPGW080204L						●	4.76	2.38	2.30	0.40		
	TPGW090202L						●	5.56	2.38	2.50	0.20		
	TPGW090204L						●	5.56	2.38	2.50	0.40		
	TPGW110302L						●	6.35	3.18	3.40	0.20		
	TPGW110304L						●	6.35	3.18	3.40	0.40		
	TBGW060102L						●	3.97	1.59	2.30	0.20		
	TBGW060104L						●	3.97	1.59	2.30	0.40		

U drill inserts U钻头片

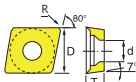
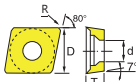
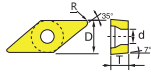
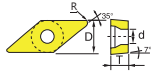
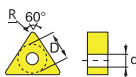
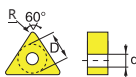
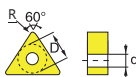
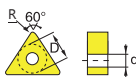
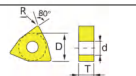
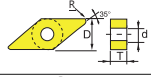
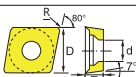
Work material	P		●	●			●	●	● 1st choice ⊙ 2nd choice ○ 3rd choice				
	M		⊙	●			●	●					
	K				⊙	●	●	●					
	N				●								
	S		●				⊙	⊙					
	H		●				○	○					
Inserts	ISO Code	Grade						Dimensions(mm)				Drawing	
		ND880	NJ660	NKW10	NKG25	N525	N530	D	T	d	R		
SPMG-DG 	SPMG050204-DG	●	●	●	●	●	●	5.00	2.38	2.20	0.40		
	SPMG060204-DG	●	●	●	●	●	●	6.00	2.38	2.60	0.40		
	SPMG07T308-DG	●	●	●	●	●	●	7.94	3.97	2.80	0.80		
	SPMG090408-DG	●	●	●	●	●	●	9.8	3.30	4.20	0.80		
	SPMG110408-DG	●	●	●	●	●	●	11.50	4.76	4.40	0.80		
	SPMG140512-DG	●	●	●	●	●	●	14.30	5.20	5.75	1.20		
WCMT-DG 	WCMT030208-DG	●	●	●	●	●	●	5.56	2.38	2.60	0.80		
	WCMT040208-DG	●	●	●	●	●	●	6.35	2.38	3.10	0.80		
	WCMT050308-DG	●	●	●	●	●	●	7.94	3.18	3.20	0.80		
	WCMT06T308-DG	●	●	●	●	●	●	9.525	3.97	3.70	0.80		
	WCMT080412-DG	●	●	●	●	●	●	12.70	4.76	4.30	1.20		

Work material	P		●				●		● 1st choice ◎ 2nd choice ○ 3rd choice			
	M		◎	●			◎					
	K				●							
	N											
	S		●	◎	●							
	H		●	●	◎		◎					
Inserts	ISO Code	Grade						Dimensions(mm)				Drawing
		ND880	NJ680	N820	NK525	NG100		D	T	d	R	
WCMT-FN	WCMT030208-FN	●	●	●	●	●		5.56	2.38	2.60	0.80	
	WCMT040208-FN	●	●	●	●	●		6.35	2.38	2.80	0.80	
	WCMT050308-FN	●	●	●	●	●		7.94	3.18	3.40	0.80	
	WCMT06T308-FN	●	●	●	●	●		9.525	3.97	4.40	0.80	
	WCMT080412-FN	●	●	●	●	●		12.70	4.76	5.50	1.20	

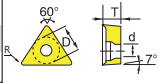
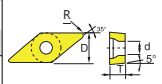
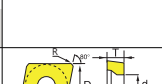
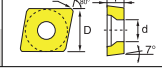
Finishing stainless steel and difficult-to-process material turning inserts 精加工不锈钢、难加工材料车削刀片

Work material	P		●	●	●				●	●	● 1st choice ● 2nd choice ○ 3rd choice	
	M		●	●				●	●			
	K		●	●	●	●						
	N					●						
	S		●					●	●			
H		●	●	●			●	●				
Inserts	ISO Code	Grade						Dimensions(mm)				Drawing
		N155A	N156	NN100	NKW10	NJ680	ND880	D	T	d	R	
	VBGT110301R/L-Y	●	●	●	●	●		6.35	3.18	2.80	0.10	
	VBGT110302R/L-Y	●	●	●	●	●		6.35	3.18	2.80	0.20	
	VBGT110304R/L-Y	●	●	●		●		6.35	3.18	2.80	0.40	
	VBGT160401R/L-Y		●			●		9.525	4.76	4.40	0.10	
	VBGT160402R/L-Y		●	●		●		9.525	4.76	4.40	0.20	
	VBGT160404R/L-Y		●	●		●		9.525	4.76	4.40	0.40	
	VPGT110301R-U		●					6.35	3.18	2.80	0.10	
	VPGT110302R-U		●					6.35	3.18	2.80	0.20	
	VPGT110304R-U		●					6.35	3.18	2.80	0.40	
	DCGT070201R/L-H	●	●					6.35	2.38	2.80	0.10	
	DCGT070202R/L-H	●	●					6.35	2.38	2.80	0.20	
	DCGT070204R/L-H	●	●					6.35	2.38	2.80	0.40	
	DCGT110301R/L-H	●	●					6.35	3.18	2.80	0.10	
	DCGT110302R/L-H	●	●	●				6.35	3.18	2.80	0.20	
	DCGT110304R/L-H	●	●	●				6.35	3.18	2.80	0.40	
	DCGT070201R/L-U		●					6.35	2.38	2.80	0.10	
	DCGT070202R/L-U	●	●					6.35	2.38	2.80	0.20	
	DCGT11T301R/L-U	●	●	●	●			9.525	3.97	4.40	0.10	
	DCGT11T302R/L-U	●	●	●	●			9.525	3.97	4.40	0.20	
	DCGT11T304R/L-U	●	●					9.525	3.97	4.40	0.40	
	DCGT11T301R-J		●					9.525	3.97	4.40	0.10	
	DCGT11T302R-J		●					9.525	3.97	4.40	0.20	
	DCGT11T304R-J		●					9.525	3.97	4.40	0.40	
	DCGT070201-CL					●		6.35	2.38	2.80	0.10	
	DCGT070202-CL					●		6.35	2.38	2.80	0.20	
	DCGT070204-CL					●		6.35	2.38	2.80	0.40	
	DCGT11T301-CL					●		9.525	3.97	4.40	0.10	
	DCGT11T302-CL					●		9.525	3.97	4.40	0.20	
	DCGT11T304-CL					●		9.525	3.97	4.40	0.40	
	DCGT070201R/L-F		●					6.35	2.38	2.80	0.10	
	DCGT070202R/L-F		●					6.35	2.38	2.80	0.20	
	DCGT110301R/L-F		●					6.35	3.18	2.80	0.10	
	DCGT110302R/L-F		●					6.35	3.18	2.80	0.20	
	DCGT070201-ML	●	●					6.35	2.38	2.80	0.10	
	DCGT070202-ML	●	●					6.35	2.38	2.80	0.20	
	DCGT070204-ML	●	●					6.35	2.38	2.80	0.40	
	DCGT11T301-ML	●	●				●	9.525	3.97	4.40	0.10	
	DCGT11T302-ML	●	●				●	9.525	3.97	4.40	0.20	
	DCGT11T304-ML	●	●				●	9.525	3.97	4.40	0.40	
	DCGT070201-MF					●		6.35	2.38	2.80	0.10	
	DCGT070202-MF					●		6.35	2.38	2.80	0.20	
	DCGT11T301-MF					●		9.525	3.97	4.40	0.10	
	DCGT11T302-MF					●		9.525	3.97	4.40	0.20	
	CCGT060201R/L-H	●	●					6.35	2.38	2.80	0.10	
	CCGT060202R/L-H	●	●					6.35	2.38	2.80	0.20	
	CCGT060204R/L-H	●	●					6.35	2.38	2.80	0.40	
	CCGT09T301R/L-H	●	●					9.525	3.97	4.40	0.10	
	CCGT09T302R/L-H	●	●					9.525	3.97	4.40	0.20	
	CCGT09T304R/L-H	●	●	●				9.525	3.97	4.40	0.40	
	CCGT060201-ML	●	●			●		6.35	2.38	2.80	0.10	
	CCGT060202-ML	●	●			●		6.35	2.38	2.80	0.20	
	CCGT060204-ML	●	●			●		6.35	2.38	2.80	0.40	
	CCGT09T301-ML	●	●			●		9.525	3.97	4.40	0.10	
	CCGT09T302-ML	●	●			●		9.525	3.97	4.40	0.20	
	CCGT09T304-ML	●	●	●		●		9.525	3.97	4.40	0.40	

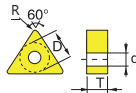
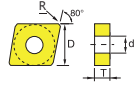
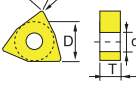
Finishing stainless steel and difficult-to-process material turning inserts 精加工不锈钢、难加工材料车削刀片

Work material	P		●	●	●			●	● 1st choice ⊗ 2nd choice ○ 3rd choice			
	M		●	⊗			●	⊗				
	K		⊗	⊗	●	⊗						
	N					●						
	S		●				⊗	●				
H		●	⊗	⊗			●	●				
Inserts	ISO Code	Grade						Dimensions(mm)				Drawing
		N155A	N156	NN100	NKW10	NJ680	ND880	D	T	d	R	
	CCGT060201-MF	●	●				●	6.35	2.38	2.80	0.10	
	CCGT060202-MF	●	●				●	6.35	2.38	2.80	0.20	
	CCGT060204-MF	●	●					6.35	2.38	2.80	0.40	
	CCGT09T301-MF	●	●				●	9.525	3.97	4.40	0.10	
	CCGT09T302-MF	●	●				●	9.525	3.97	4.40	0.20	
	CCGT09T304-MF	●	●					9.525	3.97	4.40	0.40	
	CCGT060201R/L-U	●	●					6.35	2.38	2.80	0.10	
	CCGT060202R/L-U	●	●	●				6.35	2.38	2.80	0.20	
	CCGT060204R/L-U	●	●					6.35	2.38	2.80	0.40	
	CCGT09T301R/L-U	●	●	●	●			9.525	3.97	4.40	0.10	
	CCGT09T302R/L-U	●	●	●				9.525	3.97	4.40	0.20	
	CCGT09T304R/L-U	●	●	●				9.525	3.97	4.40	0.40	
	VCGT110301-ML	●	●			●		6.35	3.18	2.80	0.10	
	VCGT110302-ML	●	●			●		6.35	3.18	2.80	0.20	
	VCGT110304-ML	●	●			●		6.35	3.18	2.80	0.40	
	VCGT160401-ML	●	●					9.525	4.76	4.40	0.10	
	VCGT160402-ML	●	●					9.525	4.76	4.40	0.20	
	VCGT160404-ML	●	●					9.525	4.76	4.40	0.40	
	VCGT110301-MF	●	●				●	6.35	3.18	2.80	0.10	
	VCGT110302-MF	●	●				●	6.35	3.18	2.80	0.20	
	VCGT110304-MF	●	●					6.35	3.18	2.80	0.40	
	VCGT160401-MF	●	●				●	9.525	4.76	4.40	0.10	
	VCGT160402-MF	●	●				●	9.525	4.76	4.40	0.20	
	VCGT160404-MF	●	●					9.525	4.76	4.40	0.40	
	TNGG160401-MF	●	●					9.525	4.76	3.81	0.10	
	TNGG160402-MF	●	●					9.525	4.76	3.81	0.20	
	TNGG160404-MF	●	●					9.525	4.76	3.81	0.40	
	TNGG160401R/L-S	●	●				●	9.525	4.76	3.81	0.10	
	TNGG160402R/L-S	●	●				●	9.525	4.76	3.81	0.20	
	TNGG160404R/L-S	●	●				●	9.525	4.76	3.81	0.40	
	TNGG160401R/L-2G	●	●					9.525	4.76	3.81	0.10	
	TNGG160402R/L-2G	●	●					9.525	4.76	3.81	0.20	
	TNGG160401-YZ						●	9.525	4.76	3.81	0.10	
	TNGG160402-YZ						●	9.525	4.76	3.81	0.20	
	TNGG160404-YZ						●	9.525	4.76	3.81	0.40	
	WNGG080402-MF	●						12.70	4.76	5.16	0.20	
	WNGG080404-MF	●						12.70	4.76	5.16	0.40	
	VNGG160401-MF	●						9.525	4.76	3.81	0.10	
	VNGG160402-MF	●						9.525	4.76	3.81	0.20	
	VNGG160404-MF	●						9.525	4.76	3.81	0.40	
	CNGG160401-MF	●						15.875	4.76	6.35	0.10	
	CNGG160402-MF	●						15.875	4.76	6.35	0.20	
	CNGG160404-MF	●						15.875	4.76	6.35	0.40	

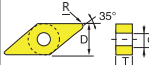
Finishing stainless steel and difficult-to-process material turning inserts 精加工不锈钢、难加工材料车削刀片

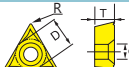
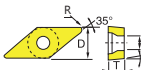
Work material	P		●	●	●			●	● 1st choice ◎ 2nd choice ○ 3rd choice				
	M		●	●				◎					
	K		◎	◎	●	◎							
	N			◎			●						
	S		●	●				◎					
	H		●	◎	◎			●					
Inserts	ISO Code	Grade					Dimensions(mm)				Drawing		
		N155A	NZ660	ND880			D	T	d	R			
TCGT-ML 	TCGT090201-ML	●					5.56	2.38	2.50	0.10			
	TCGT090202-ML	●					5.56	2.38	2.50	0.20			
	TCGT090204-ML	●					5.56	2.38	2.50	0.40			
	TCGT110201-ML	●					6.35	2.38	2.80	0.10			
	TCGT110202-ML	●					6.35	2.38	2.80	0.20			
	TCGT110204-ML	●					6.35	2.38	2.80	0.40			
TCGT-MF 	TCGT090201-MF			●			5.56	2.38	2.50	0.10			
	TCGT090202-MF			●			5.56	2.38	2.50	0.20			
VBGT-ML 	VBGT110301-ML	●		●			6.35	3.18	2.80	0.10			
	VBGT110302-ML	●		●			6.35	3.18	2.80	0.20			
	VBGT110304-ML	●		●			6.35	3.18	2.80	0.40			
VBGT-R-Y 	VBGT160402R-Y		●				9.525	4.76	4.40	0.20			
	VBGT160404R-Y		●				9.525	4.76	4.40	0.40			
SCGT-MF 	SCGT09T301-MF			●			9.525	3.97	4.40	0.10			
	SCGT09T302-MF			●			9.525	3.97	4.40	0.20			

Stainless steel roughing inserts 不锈钢粗加工

Work material	P		⊙	⊙		⊙			● 1st choice ⊙ 2nd choice ○ 3rd choice				
	M		●	●	●	●							
	K						⊙						
	N												
	S		⊙	⊙	⊙	⊙							
H		⊙	⊙	●	●								
Inserts	ISO Code	Grade						Dimensions(mm)				Drawing	
		NM552	NM652	NJ680	NF660			D	T	d	R		
TNMG-MA 	TNMG160404-MA	●	●					9.525	4.76	3.81	0.40		
	TNMG160408-MA	●	●					9.525	4.76	3.81	0.80		
	TNMG160412-MA	●	●					9.525	4.76	3.81	1.20		
TNMG-MMA 	TNMG160404-MMA			●	●			9.525	4.76	3.81	0.40		
	TNMG160408-MMA			●	●			9.525	4.76	3.81	0.80		
TNMG-MS 	TNMG160404-MS	●	●					9.525	4.76	3.81	0.40		
	TNMG160408-MS	●	●					9.525	4.76	3.81	0.80		
	TNMG160412-MS	●	●					9.525	4.76	3.81	1.20		
TNMG-MSK 	TNMG160402-MSK			●				9.525	4.76	3.81	0.20		
	TNMG160404-MSK			●				9.525	4.76	3.81	0.40		
	TNMG160408-MSK			●				9.525	4.76	3.81	0.80		
TNMG-JMS 	TNMG160404-JMS			●				9.525	4.76	3.81	0.40		
	TNMG160408-JMS			●				9.525	4.76	3.81	0.80		
TNMG-R/L 	TNMG160404R/L	●	●	●				9.525	4.76	3.81	0.40		
	TNMG160408R/L	●	●	●				9.525	4.76	3.81	0.80		
CNMG-MA 	CNMG120404-MA	●	●					12.70	4.76	5.16	0.40		
	CNMG120408-MA	●	●					12.70	4.76	5.16	0.80		
	CNMG120412-MA	●	●					12.70	4.76	5.16	1.20		
CNMG-JMA 	CNMG120404-JMA			●	●			12.70	4.76	5.16	0.40		
	CNMG120408-JMA			●	●			12.70	4.76	5.16	0.80		
CNMG-MS 	CNMG120404-MS	●	●					12.70	4.76	5.16	0.40		
	CNMG120408-MS	●	●					12.70	4.76	5.16	0.80		
	CNMG120412-MS	●	●					12.70	4.76	5.16	1.20		
CNMG-JMS 	CNMG120404-JMS			●	●			12.70	4.76	5.16	0.40		
	CNMG120408-JMS			●	●			12.70	4.76	5.16	0.80		
CNMG-MSK 	CNMG120402-MSK			●				12.70	4.76	5.16	0.20		
	CNMG120404-MSK			●				12.70	4.76	5.16	0.40		
	CNMG120408-MSK			●				12.70	4.76	5.16	0.80		
WNMG-MA 	WNMG080404-MA	●	●					12.70	4.76	5.16	0.40		
	WNMG080408-MA	●	●					12.70	4.76	5.16	0.80		
	WNMG080412-MA	●	●					12.70	4.76	5.16	1.20		
WNMG-JMA 	WNMG080404-JMA			●	●			12.70	4.76	5.16	0.40		
	WNMG080408-JMA			●	●			12.70	4.76	5.16	0.80		
WNMG-MS 	WNMG080404-MS	●	●					12.70	4.76	5.16	0.40		
	WNMG080408-MS	●	●					12.70	4.76	5.16	0.80		
	WNMG080412-MS	●	●					12.70	4.76	5.16	1.20		
WNMG-JMS 	WNMG080404-JMS			●	●			12.70	4.76	5.16	0.40		
	WNMG080408-JMS			●	●			12.70	4.76	5.16	0.80		
	WNMG080412-JMS			●	●			12.70	4.76	5.16	1.20		
WNMG-MSK 	WNMG080402-MSK			●				12.70	4.76	5.16	0.20		
	WNMG080404-MSK			●				12.70	4.76	5.16	0.40		
	WNMG080408-MSK			●				12.70	4.76	5.16	0.80		
WNMG-R/L 	WNMG080404R/L-S	●	●		●			12.70	4.76	5.16	0.40		
	WNMG080408R/L-S	●	●		●			12.70	4.76	5.16	0.80		

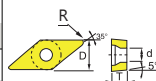
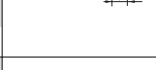
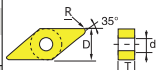
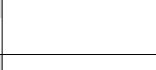
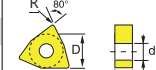
Stainless steel roughing inserts 不锈钢粗加工

Work material	P		⊙	⊙					● 1st choice ⊙ 2nd choice ○ 3rd choice			
	M		●	●	●							
	K											
	N											
	S		⊙	⊙	⊙							
	H		⊙	⊙	●							
Inserts	ISO Code	Grade						Dimensions(mm)				Drawing
		NM652	NM552	NJ680				D	T	d	R	
VNMG-MA 	VNMG160404-MA	●	●	●				9.525	4.76	3.81	0.40	
	VNMG160408-MA	●	●	●				9.525	4.76	3.81	0.80	
VNMG-MS 	VNMG160404-MS	●	●					9.525	4.76	3.81	0.40	
	VNMG160408-MS	●	●					9.525	4.76	3.81	0.80	
VNMG-MSK 	VNMG160412-MS	●	●					9.525	4.76	3.81	1.20	
	VNMG160402-MSK			●				9.525	4.76	3.81	0.20	
SNMG-MS 	VNMG160404-MSK			●				9.525	4.76	3.81	0.40	
	VNMG160408-MSK			●				9.525	4.76	3.81	0.80	
	SNMG120404-MS	●	●					12.70	4.76	5.16	0.40	
SNMG-MA 	SNMG120408-MS	●	●					12.70	4.76	5.16	0.80	
	SNMG120412-MS	●	●					12.70	4.76	5.16	1.20	
	SNMG120404-MA	●	●	●				12.70	4.76	5.16	0.40	
SNMG-MA 	SNMG120408-MA	●	●	●				12.70	4.76	5.16	0.80	
	SNMG120412-MA	●	●	●				12.70	4.76	5.16	1.20	
	SNMG120404-HA			●				12.70	4.76	5.16	0.40	
SNMG-HA 	SNMG120408-HA			●				12.70	4.76	5.16	0.80	
	DNMG150604-DM			●				12.70	6.35	5.16	0.40	
DNMG-MG 	DNMG150608-DM			●				12.70	6.35	5.16	0.80	
	DNMG150404-PM			●				12.70	4.76	5.16	0.40	
DNMG-PM 	DNMG150408-PM			●				12.70	4.76	5.16	0.80	
	TCMT110202-MX			●				6.35	2.38	2.85	0.20	
TCMT-MX 	TCMT110204-MX			●				6.35	2.38	2.85	0.40	
	TCMT110208-MX			●				6.35	2.38	2.85	0.80	
	TCMT160404-MX			●				9.525	4.76	3.81	0.40	
	TCMT160408-MX			●				9.525	4.76	3.81	0.80	

Work material	P		⊙	⊙						● 1st choice ⊙ 2nd choice ○ 3rd choice		
	M		●	●								
	K											
	N											
	S		⊙	⊙								
	H		⊙	⊙								
Inserts	ISO Code	Grade						Dimensions(mm)				Drawing
		NM652	NM552					D	T	d	R	
TCMT-MV 	TCMT070202-MV	●	●					4.20	2.38	2.80	0.20	
	TCMT070204-MV	●	●					4.20	2.38	2.80	0.40	
	TCMT070208-MV	●	●					4.20	2.38	2.80	0.80	
VBMT-MV 	VBMT110302-MV	●	●					6.35	3.18	2.80	0.20	
	VBMT110304-MV	●	●					6.35	3.18	2.80	0.40	
	VBMT110308-MV	●	●					6.35	3.18	2.80	0.80	
	VBMT160402-MV	●	●					9.525	4.76	4.40	0.20	
	VBMT160404-MV	●	●					9.525	4.76	4.40	0.40	
	VBMT160408-MV	●	●					9.525	4.76	4.40	0.80	

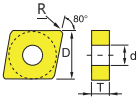
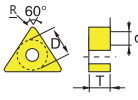
钢粗加工

Steel roughing inserts 钢粗加工

Work material	P		●	●	●	●	●		● 1st choice ⊙ 2nd choice ○ 3rd choice			
	M		●	⊙	⊙							
	K		●	⊙	●		●					
	N											
	S											
H				⊙			⊙					
Inserts	ISO Code	Grade						Dimensions(mm)				Drawing
		N 215	NG202	N5555	NG201	N5215		D	T	d	R	
	VBMT160404-PM			●				9.525	4.76	4.40	0.40	
	VBMT160408-PM			●				9.525	4.76	4.40	0.80	
	VBMT160412-PM				●				9.525	4.76	4.40	
	VBMT110304-MP		●					6.35	3.18	2.80	0.40	
	VBMT160404-MP		●					9.525	4.76	4.40	0.40	
	VBMT160408-MP		●					9.525	4.76	4.40	0.80	
	VNMG160404-PM			●				9.525	4.76	3.81	0.40	
	VNMG160408-PM			●				9.525	4.76	3.81	0.80	
	VNMG160412-PM				●			9.525	4.76	3.81	1.20	
	VNMG160404-TM			●	●			9.525	4.76	3.81	0.40	
	VNMG160408-TM			●	●			9.525	4.76	3.81	0.80	
	VNMG160412-TM				●	●		9.525	4.76	3.81	1.20	
	VNMG160404-FP		●					9.525	4.76	3.81	0.40	
	VNMG160408-FP		●					9.525	4.76	3.81	0.80	
	VNMG160404-PF					●		9.525	4.76	3.81	0.40	
	VNMG160408-PF					●		9.525	4.76	3.81	0.80	
	WNMG080404-TM			●	●			12.70	4.76	5.16	0.40	
	WNMG080408-TM			●	●			12.70	4.76	5.16	0.80	
	WNMG080412-TM				●	●		12.70	4.76	5.16	1.20	
	WNMG080408-RP		●					12.70	4.76	5.16	0.80	
	WNMG080412-RP		●					12.70	4.76	5.16	1.20	
	WNMG080404-FP		●					12.70	4.76	5.16	0.40	
	WNMG080408-FP		●					12.70	4.76	5.16	0.80	
	WNMG080404-PM			●				12.70	4.76	5.16	0.40	
	WNMG080408-PM			●				12.70	4.76	5.16	0.80	
	WNMG080412-PM				●			12.70	4.76	5.16	1.20	
	WNMG080404-PF					●		12.70	4.76	5.16	0.40	
	WNMG080408-PF					●		12.70	4.76	5.16	0.80	
	WNMG080412-PF					●		12.70	4.76	5.16	1.20	
	WNMG080404R-GC					●		12.70	4.76	5.16	0.40	
	WNMG080408R-GC					●		12.70	4.76	5.16	0.80	
	WNMG080404L-GC					●		12.70	4.76	5.16	0.40	
	WNMG080408L-GC					●		12.70	4.76	5.16	0.80	

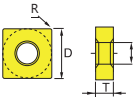
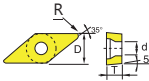
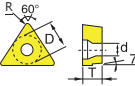
Steel roughing inserts

钢粗加工

Work material	P		●	●	●	●	●	●	● 1st choice ◎ 2nd choice ○ 3rd choice			
	M		◎	◎	◎			◎				
	K			◎	●		●					
	N											
	S											
	H		◎	◎		◎		◎				
Inserts	ISO Code	Grade						Dimensions(mm)				Drawing
		N8010	NG202	N5555	NG201	N5215	N8030	D	T	d	R	
CNMG-TM 	CNMG120404-TM			●	●			12.70	4.76	5.16	0.40	
	CNMG120408-TM			●	●			12.70	4.76	5.16	0.80	
	CNMG120412-TM			●	●			12.70	4.76	5.16	1.20	
CNMG-RP 	CNMG120408-RP				●			12.70	4.76	5.16	0.80	
	CNMG120412-RP				●			12.70	4.76	5.16	1.20	
CNMG-PF 	CNMG120404-PF					●		12.70	4.76	5.16	0.40	
	CNMG120408-PF					●		12.70	4.76	5.16	0.80	
	CNMG120412-PF					●		12.70	4.76	5.16	1.20	
CNMG-PM 	CNMG120404-PM			●				12.70	4.76	5.16	0.40	
	CNMG120408-PM			●				12.70	4.76	5.16	0.80	
	CNMG120412-PM			●				12.70	4.76	5.16	1.20	
	CNMG160604-PM			●				16.875	6.35	6.35	0.40	
	CNMG160608-PM			●				16.875	6.35	6.35	0.80	
	CNMG160612-PM			●				16.875	6.35	6.35	1.20	
	CNMG190604-PM			●				19.05	6.35	7.925	0.40	
	CNMG190608-PM			●				19.05	6.35	7.925	0.80	
	CNMG190612-PM			●				19.05	6.35	7.925	1.20	
CNMG-RP 	CNMG190616-RP	●					●	19.05	6.35	7.93	1.60	
CNMM-HH 	CNMM190624-HH	●					●	19.05	6.35	7.93	2.40	
CNMM-HR 	CNMM190624-HR	●					●	19.05	6.35	7.93	2.40	
TNMG-TM 	TNMG160404-TM		●	●				9.525	4.76	3.81	0.40	
	TNMG160408-TM		●	●				9.525	4.76	3.81	0.80	
	TNMG160412-TM		●	●				9.525	4.76	3.81	1.20	
TNMG-RP 	TNMG160408-RP				●			9.525	4.76	3.81	0.80	
	TNMG160412-RP				●			9.525	4.76	3.81	1.20	
TNMG-PM 	TNMG160404-PM			●				9.525	4.76	3.81	0.40	
	TNMG160408-PM			●				9.525	4.76	3.81	0.80	
	TNMG160412-PM			●				9.525	4.76	3.81	1.20	
	TNMG220404-PM			●				12.70	4.76	5.16	0.40	
	TNMG220408-PM			●				12.70	4.76	5.16	0.80	
TNMG-PF 	TNMG160404-PF					●		9.525	4.76	3.81	0.40	
	TNMG160408-PF					●		9.525	4.76	3.81	0.80	
	TNMG160412-PF					●		9.525	4.76	3.81	1.20	
TNMG-R-GC 	TNMG160404R-GC					●		9.525	4.76	3.81	0.40	
	TNMG160408R-GC					●		9.525	4.76	3.81	0.80	
TNMG-L-GC 	TNMG160404L-GC					●		9.525	4.76	3.81	0.40	
	TNMG160408L-GC					●		9.525	4.76	3.81	0.80	

Steel roughing inserts

钢粗加工

Work material	P		●	●	●	●	●	●	● 1st choice ◎ 2nd choice ○ 3rd choice				
	M		◎	◎	◎			◎					
	K			◎	●			●					
	N												
	S												
	H		◎	◎		◎		◎					
Inserts	ISO Code	Grade						Dimensions(mm)				Drawing	
		N8010	NG202	N5215	N8030			D	T	d	R		
SNMG-RP	SNMG120404-RP		●					12.70	4.76	5.16	0.40		
	SNMG120408-RP		●					12.70	4.76	5.16	0.80		
	SNMG120412-RP		●					12.70	4.76	5.16	1.20		
SNMG-FP	SNMG120404-FP		●					12.70	4.76	5.16	0.40		
	SNMG120408-FP		●					12.70	4.76	5.16	0.80		
SNMG-PF	SNMG120404-PF			●				12.70	4.76	5.16	0.40		
	SNMG120408-PF			●				12.70	4.76	5.16	0.80		
	SNMG120412-PF			●				12.70	4.76	5.16	1.20		
SNMM-HH	SNMM250924-HH	●			●			25.40	9.52	9.12	2.40		
VCMT-MP	VCMT110304-MP		●					6.35	3.18	2.80	0.40		
	VCMT160404-MP		●					9.525	4.76	4.40	0.40		
	VCMT160408-MP		●					9.525	4.76	4.40	0.80		
VCMT-MS	VCMT110304-MS			●				6.35	3.18	2.80	0.40		
	VCMT160404-MS			●				9.525	4.76	4.40	0.40		
	VCMT160408-MS			●				9.525	4.76	4.40	0.40		
TPMH-HQ	TPMH090202-HQ			●				5.56	2.38	2.90	0.20		
	TPMH090204-HQ			●				5.56	2.38	2.90	0.40		
	TPMH110302-HQ			●				6.35	3.18	3.40	0.20		
	TPMH110304-HQ			●				6.35	3.18	3.40	0.40		

铸铁加工

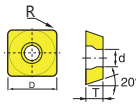
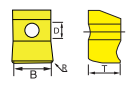
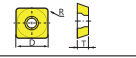
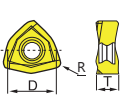
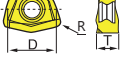
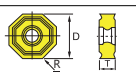
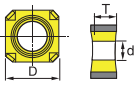
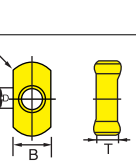
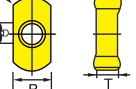
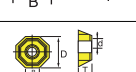
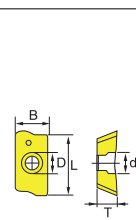
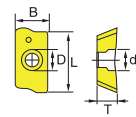
- 024

Milling inserts 铣削刀片

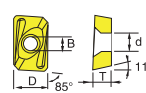
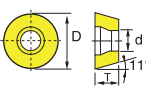
Work material	P		●	●	●	●	◎		● 1st choice ◎ 2nd choice ○ 3rd choice			
	M		●	●	●		●					
	K			●	●	●	◎					
	N											
	S			◎	◎			●				
	H			○	○	◎						
Inserts	ISO Code	Grade						Dimensions(mm)				Drawing
SEMT	SEMT1204AFSN	●	●	●				12.70	4.76	5.50		
SEET	SEET13T3-SM	●						13.40	3.97	4.40		
SEMR	SEMR1203AFTN-RD				●	●		12.70	3.18	2.80		
	SEMR1504AFTN-RD				●	●		15.875	4.76	3.20		
SEKN	SEKN120304			●				12.70	3.18	\		
	SEKN120308			●				12.70	3.18	\		
	SEKN1504AFSN			●				15.875	4.76	\		
SPMT	SPMT120408-D51		●					12.70	4.76	5.50		
TPKN	TPKN160304			●				9.525	3.18	\		
	TPKN160308			●				9.525	3.18	\		
	TPKN1603PDTR			●				9.525	3.18	\		
	TPKN2204PDFR			●				12.70	4.76	\		

Work material	P		●	●				●	● 1st choice ◎ 2nd choice ○ 3rd choice			
	M		●	●				◎				
	K		●	●	◎		●					
	N				●							
	S		◎	◎		●		●				
	H		○	◎		◎		●				
Inserts	ISO Code	Grade						Dimensions(mm)				Drawing
4NMT	4NMT060308R-M				●		●	5.56	3.18	0.80	\	
PNMU	PNMU0905XNER				●		●	13.50	5.56	0.80	\	
EPNW	EPNW0603TN	●			●			6.35	3.18	\	\	
LOGU	LOGU030310ER-GM	●			●			11.90	3.96	\	3.45	
XNEX	XNEX080608R	●		●	●		●	12.48	6.45	0.80	\	
3PKT	3PKT150508R-M				●		●	10.70	5.00	0.80	\	
SOMT	SOMT140520ER-LD						●	14.46	5.56	2.00	5.80	
MPHT	MPHT060304				●		●	6.35	3.18	0.40	2.80	
	MPHT080305				●		●	8.30	3.18	0.50	3.40	
	MPHT120408				●		●	12.70	4.76	0.80	5.56	
HNGU	HNGU0906ANSN-JR		●				●	16.50	6.35	\	4.90	
	HNGU0906ANSN-JM		●				●	16.50	6.35	\	4.90	

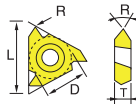
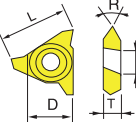
Milling inserts 铣削刀片

Work material	P		●	●	●			●	● 1st choice ◎ 2nd choice ○ 3rd choice				
	M		●	◎	●			◎					
	K		●				●						
	N												
	S		◎			●		●					
	H		○	◎		◎		●					
Inserts	ISO Code	Grade						Dimensions(mm)				Drawing	
		NV880	NG100	NJ660	N820	NK525	ND880	D	T	B	R		
SDMT-GM		SDMT120512-GM	●	●	●	●			12.70	5.56	/	1.20	
SDMT-RD		SDMT120512-RD	●	●		●	●		12.70	5.56	/	1.20	
LNMG-LG		LNMG0303R-LG	●	●	●	●	●		11.59	4.29	6.00	1.20	
LNMG-RD		LNMG0303R-RD		●	●	●	●		11.59	4.29	6.00	1.20	
SDMT-CM		SDMT09T308-CM				●			9.525	3.97	/	0.80	
WNMU-GM		WNMU080608EN-GM	●	●	●	●	●		14.02	6.65	/	0.80	
		WNMU060408	●	●					9.525	4.76	/	0.80	
		WNMU040304	●	●	●					6.35	3.18	/	
WNMU-RM		WNMU080608EN-RD	●	●	●	●	●		14.02	6.65	/	0.80	
HNMG-R		HNMG090608ANSN-R	●		●	●	●	●	15.88	6.35	/	0.80	
		HNMG090708ANSN-R						●	15.88	7.94	/	0.80	
SNMX-M		SNMX1306ANEN-M	●	●	●		●		13.50	6.80	/	0.40	
SNMU		SNMU1206XTN	●		●	●	●		12.70	6.35	/	/	
		SNMU1206ANN-M				●	●		12.70	6.35	/	/	
		SNMU130708ZNER	●		●	●	●		13.65	7.94	/	0.80	
		SNMU130508EN	●			●			13.65	5.56	/	0.80	
LNMU		LNMU110408SRGE			●	●	●		11.30	3.15	6.60	0.80	
		LNMU15T608SRGE						●	16.15	4.85	10.00	0.80	
LNMU-M		LNMU0303-M	●			●			11.59	4.29	6.60	/	
ODMT		ODMT050408			●	●			5.26	4.76	5.26	0.80	
ENMU		ENMU100412		●	●				10.00	4.00	6.00	1.20	
R390		R390-11T308-PM	●	●	●	●	●		10.00	3.59	6.80	0.80	
		R390-170408-PM	●	●	●	●	●		15.70	4.76	9.60	0.80	
JDMT		JDMT070204			●				6.40	2.45	4.30	0.40	
		JDMT070208			●	●		●	6.40	2.45	4.30	0.80	
BLMP		BLMP0603R				●		●	9.00	3.73	6.39	/	
		BLMP0904R						●	11.94	4.79	9.20	/	

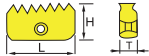
Die milling inserts 模具铣刀片

Work material	P		⊙	●	●	●	●		● 1st choice ⊙ 2nd choice ○ 3rd choice				
	M		●	○	●	●	●						
	K		⊙	○	●	●	○	●					
	N												
	S		●		⊙	⊙	○						
	H		○	○	○	⊙	○						
Inserts	ISO Code	Grade						Dimensions(mm)				Drawing	
		N310	N320	N525	N530	N535	N720	D	B	T	d		
	APMT1135PDER-MP	●	●	●	●	●	●	11.00	6.35	3.50	2.80		
	APMT1604PDER-MP	●	●	●	●	●	●	14.00	9.525	4.76	4.40		
	APMT1135PDER-M2	●	●	●	●	●	●	9.00	6.35	3.50	2.80		
	APMT1604PDER-M2	●	●	●	●	●	●	14.00	9.525	4.76	4.50		
	RPMW1003MO			●				10.00	\	3.18	4.40		
	RPMW1204MO			●	●			12.00	\	4.76	4.40		
	RPMT08T2MO-MM			●	●			8.00	\	2.78	3.20		
	RPMT10T3MO-MM			●	●			10.00	\	3.97	4.40		
	RPMT1204MO-MM			●	●			12.00	\	4.76	4.40		
	RDMT10T3MO-TM		●	●	●			10.00	\	3.97	4.40		
	RDMT1204MO-TM		●	●	●			12.00	\	4.76	4.40		
	RDMW0501MO			●				5.00	\	1.50	2.20		
	RDMW0702MO	●		●	●			7.00	\	2.38	2.80		
	RDMW10T3MO	●		●	●			10.00	\	3.97	4.40		
	RDMW1204MO	●		●	●			12.00	\	4.76	4.40		

Threading inserts 螺纹刀片

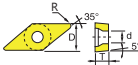
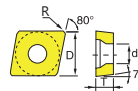
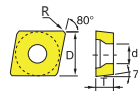
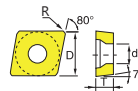
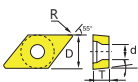
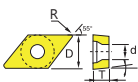
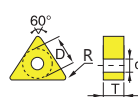
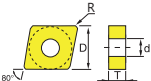
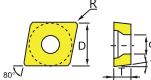
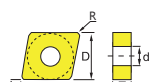
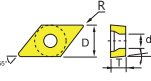
Work material	P		●	●	●	●			● 1st choice ⊙ 2nd choice ○ 3rd choice			
	M		●	●	⊙	●						
	K			●	○	●						
	N											
	S		⊙	●	●	●						
	H			⊙		○	⊙					
Inserts	ISO Code	Grade						Dimensions(mm)				Drawing
		DF100	DJ166	DP388	NM155			D	T	L	R	
06IR/ER 	06IR/ER A60	●	●	●				4.00	2.00	6.88	0.05	
	06IR/ER A55	●	●	●				4.00	2.00	6.88	0.08	
08IR/ER 	08IR/ER A60	●	●	●				5.00	2.39	8.24	0.05	
	08IR/ER A55	●	●	●				5.00	2.39	8.24	0.08	
11IR/ER 	11IR/ER A60	●	●	●				6.35	3.18	11.00	0.05	
	11IR/ER A55	●	●	●				6.35	3.18	11.00	0.08	
16I/ER 	16I/ER A60	●	●	●				9.52	3.625	16.49	0.05	
	16I/ER A55	●	●	●				9.52	3.625	16.49	0.05	
	16I/ER G60	●	●	●				9.52	3.625	16.49	0.13	
	16I/ER G55	●	●	●				9.52	3.625	16.49	0.20	
	16I/ER AG60	●	●	●				9.52	3.625	16.49	0.04	
	16I/ER AG55	●	●	●				9.52	3.625	16.49	0.07	
	16I/ER 0.75ISO	●	●	●				9.52	3.625	16.49	0.06	
	16I/ER 1.00ISO	●	●	●				9.52	3.625	16.49	0.07	
	16I/ER 1.50ISO	●	●	●				9.52	3.625	16.49	0.12	
	16I/ER 2.00ISO	●	●	●				9.52	3.625	16.49	0.16	
	16I/ER 2.50ISO	●	●	●				9.52	3.625	16.49	0.19	
	16I/ER 3.00ISO	●	●	●				9.52	3.625	16.49	0.21	
TT32R 	TT32R6001				●			9.525	3.18	16.49	0.10	
	TT32R6002				●			9.525	3.18	16.49	0.20	
	TT32R60005				●			9.525	3.18	16.49	0.05	
	TT32R5501				●			9.525	3.18	16.49	0.10	
	TT32R5502				●			9.525	3.18	16.49	0.20	
	TT32R55005				●			9.525	3.18	16.49	0.05	
TTX32R 	TTX32R6001				●			9.525	3.18	16.49	0.10	
	TTX32R6002				●			9.525	3.18	16.49	0.20	
	TTX32R60005				●			9.525	3.18	16.49	0.05	
	TTX32R5501				●			9.525	3.18	16.49	0.10	
	TTX32R5502				●			9.525	3.18	16.49	0.20	
	TTX32R55005				●			9.525	3.18	16.49	0.05	
TT43R 	TT43R6001				●			12.70	4.76	22.10	0.10	
	TT43R6002				●			12.70	4.76	22.10	0.20	
	TT43R60005				●			12.70	4.76	22.10	0.05	
	TT43R5501				●			12.70	4.76	22.10	0.10	
	TT43R5502				●			12.70	4.76	22.10	0.20	
	TT43R55005				●			12.70	4.76	22.10	0.05	

Threading inserts 螺纹刀片

Work material												
Work material	P			●					● 1st choice ⊗ 2nd choice ○ 3rd choice			
	M			●								
	K			●								
	N											
	S			●								
	H			⊗								
Inserts	ISO Code	Grade						Dimensions(mm)				Drawing
			NM15S					L	H	T		
12N/E	12N/E 0.50ISO		●					12.00	6.30	2.90		
	12N/E 0.75ISO		●					12.00	6.30	2.90		
	12N/E 1.00ISO		●					12.00	6.30	2.90		
	12N/E 1.25ISO		●					12.00	6.30	2.90		
	12N/E 1.50ISO		●					12.00	6.30	2.90		
	12N/E 2.00ISO		●					12.00	6.30	2.90		
	12N/E 2.50ISO		●					12.00	6.30	2.90		
14N/E	14N/E 0.75ISO		●					14.00	7.50	3.10		
	14N/E 1.00ISO		●					14.00	7.50	3.10		
	14N/E 1.25ISO		●					14.00	7.50	3.10		
	14N/E 1.50ISO		●					14.00	7.50	3.10		
	14N/E 1.75ISO		●					14.00	7.50	3.10		
	14N/E 2.00ISO		●					14.00	7.50	3.10		
	14N/E 2.50ISO		●					14.00	7.50	3.10		
21N/E	21N/E 1.00ISO		●					21.00	12.00	4.70		 
	21N/E 1.50ISO		●					21.00	12.00	4.70		
	21N/E 2.00ISO		●					21.00	12.00	4.70		
	21N/E 2.50ISO		●					21.00	12.00	4.70		
	21N/E 3.00ISO		●					21.00	12.00	4.70		
	21N/E 3.00ISO		●					21.00	12.00	4.70		
30N/E	30N/E 1.00ISO		●					30.00	16.00	5.50		
	30N/E 1.50ISO		●					30.00	16.00	5.50		
	30N/E 2.00ISO		●					30.00	16.00	5.50		
	30N/E 2.50ISO		●					30.00	16.00	5.50		
	30N/E 3.00ISO		●					30.00	16.00	5.50		
	30N/E 3.00ISO		●					30.00	16.00	5.50		
40N/E	40N/E 1.00ISO		●					40.00	20.00	6.30		
	40N/E 1.50ISO		●					40.00	20.00	6.30		
	40N/E 2.00ISO		●					40.00	20.00	6.30		
	40N/E 2.50ISO		●					40.00	20.00	6.30		
	40N/E 3.00ISO		●					40.00	20.00	6.30		
	40N/E 3.00ISO		●					40.00	20.00	6.30		

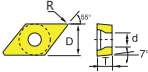
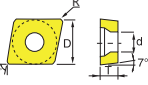
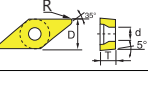
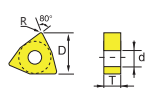
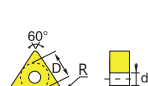
●注: "N " said internal thread, "E" said External thread

Ceramic inserts 陶瓷刀片

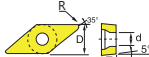
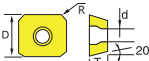
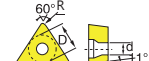
Work material	P					●			● 1st choice ⊙ 2nd choice ○ 3rd choice			
	M					⊙						
	K					⊙						
	N											
	S											
H					●							
Inserts	ISO Code	Grade						Dimensions(mm)				Drawing
					DNW100			D	T	d	R	
	VBGT110301R-Y				●			6.35	3.18	2.80	0.10	
	VBGT110302R-Y				●			6.35	3.18	2.80	0.20	
	VBGT110304R-Y				●			6.35	3.18	2.80	0.40	
	VBGT110301L-Y				●			6.35	3.18	2.80	0.10	
	VBGT110302L-Y				●			6.35	3.18	2.80	0.20	
	VBGT110304L-Y				●			6.35	3.18	2.80	0.40	
	CCGT09T301R-U				●			9.525	3.97	4.40	0.10	
	CCGT09T302R-U				●			9.525	3.97	4.40	0.20	
	CCGT09T304R-U				●			9.525	3.97	4.40	0.40	
	CCGT060201L-U				●			6.35	2.38	2.80	0.10	
	CCGT060202L-U				●			6.35	2.38	2.80	0.20	
	CCGT060204L-U				●			6.35	2.38	2.80	0.40	
	CCGT060201L-F				●			6.35	2.38	2.80	0.10	
	CCGT060202L-F				●			6.35	2.38	2.80	0.20	
	CCGT09T302L-U				●			9.525	3.97	4.40	0.20	
	CCGT09T304L-U				●			9.525	3.97	4.40	0.40	
	DCGT11T301R-U				●			9.525	3.97	4.40	0.10	
	DCGT11T302R-U				●			9.525	3.97	4.40	0.20	
	DCGT11T304R-U				●			9.525	3.97	4.40	0.40	
	DCGT11T301L-U				●			9.525	3.97	4.40	0.10	
	DCGT11T302L-U				●			9.525	3.97	4.40	0.20	
	DCGT11T304L-U				●			9.525	3.97	4.40	0.40	
	DCGT070201L-F				●			6.35	2.38	2.80	0.10	
	DCGT070202L-F				●			6.35	2.38	2.80	0.20	
	TNGG160402R-S				●			9.525	4.76	3.81	0.20	
	TNGG160404R-S				●			9.525	4.76	3.81	0.40	
	TNGG160402L-S				●			9.525	4.76	3.81	0.20	
	TNGG160404L-S				●			9.525	4.76	3.81	0.40	
	CCMT060204-MT				●			6.35	2.38	2.80	0.40	
	CCMT060208-MT				●			6.35	2.38	2.80	0.80	
	CCMT09T304-MT				●			9.525	3.97	4.40	0.40	
	CCMT09T308-MT				●			9.525	3.97	4.40	0.80	
	CCMT060202-HQ				●			6.35	2.38	2.80	0.20	
	CCMT060204-HQ				●			6.35	2.38	2.80	0.40	
	CCMT09T302-HQ				●			9.525	3.97	4.40	0.20	
	CCMT09T304-HQ				●			9.525	3.97	4.40	0.40	
	CCMT09T308-HQ				●			9.525	3.97	4.40	0.80	
	CCMT060202-FG				●			6.35	2.38	2.80	0.20	
	CCMT060204-FG				●			6.35	2.38	2.80	0.40	
	CCMT09T302-FG				●			9.525	3.97	4.40	0.20	
	CCMT09T304-FG				●			9.525	3.97	4.40	0.40	
	CCMT09T308-FG				●			9.525	3.97	4.40	0.80	
	DCMT070202-FG				●			6.35	2.38	2.80	0.20	
	DCMT070204-FG				●			6.35	2.38	2.80	0.40	
	DCMT070208-FG				●			6.35	2.38	2.80	0.80	
	DCMT11T302-FG				●			9.525	3.97	4.40	0.20	
	DCMT11T304-FG				●			9.525	3.97	4.40	0.40	
	DCMT11T308-FG				●			9.525	3.97	4.40	0.80	

Ceramic inserts

陶瓷刀片

Work material	P					●			● 1st choice ◎ 2nd choice ○ 3rd choice			
	M					◎						
	K					◎						
	N											
	S											
	H					●						
Inserts	ISO Code	Grade						Dimensions(mm)				Drawing
					DNW100			D	T	d	R	
	DCMT070202-HQ				●			6.35	2.38	2.80	0.20	
	DCMT070204-HQ				●			6.35	2.38	2.80	0.40	
	DCMT11T302-HQ				●			9.525	3.97	4.40	0.20	
	DCMT11T304-HQ				●			9.525	3.97	4.40	0.40	
	DCMT11T308-HQ				●			9.525	3.97	4.40	0.80	
	CNMG120404-MT				●			12.70	4.76	5.16	0.40	
	CNMG120408-MT				●			12.70	4.76	5.16	0.80	
	CNMG120404-HQ				●			12.70	4.76	5.16	0.40	
	CNMG120408-HQ				●			12.70	4.76	5.16	0.80	
	CNMG120404-MU				●			12.70	4.76	5.16	0.40	
	CNMG120408-MU				●			12.70	4.76	5.16	0.80	
	CNMG120404-TS				●			12.70	4.76	5.16	0.40	
	CNMG120408-TS				●			12.70	4.76	5.16	0.80	
	DNMG150404-MT				●			12.70	4.76	5.16	0.40	
	DNMG150408-MT				●			12.70	4.76	5.16	0.80	
	WNMG080404-MT				●			12.70	4.76	5.16	0.40	
	WNMG080408-MT				●			12.70	4.76	5.16	0.80	
	WNMG080404-MU				●			12.70	4.76	5.16	0.40	
	WNMG080408-MU				●			12.70	4.76	5.16	0.80	
	WNMG080404-TS				●			12.70	4.76	5.16	0.40	
	WNMG080408-TS				●			12.70	4.76	5.16	0.80	
	WNMG080404-HQ				●			12.70	4.76	5.16	0.40	
	WNMG080408-HQ				●			12.70	4.76	5.16	0.80	
	TNMG160404R-FS				●			9.525	4.76	3.81	0.40	
	TNMG160408R-FS				●			9.525	4.76	3.81	0.80	
	TNMG160404R-VF				●			9.525	4.76	3.81	0.40	
	TNMG160408R-VF				●			9.525	4.76	3.81	0.80	
	TNMG160404-MT				●			9.525	4.76	3.81	0.40	
	TNMG160408-MT				●			9.525	4.76	3.81	0.80	
	TNMG160404-HQ				●			9.525	4.76	3.81	0.40	
	TNMG160408-HQ				●			9.525	4.76	3.81	0.80	
	TNMG160404-TS				●			9.525	4.76	3.81	0.40	
	TNMG160408-TS				●			9.525	4.76	3.81	0.80	
	TNMG160404-MU				●			9.525	4.76	3.81	0.40	
	TNMG160408-MU				●			9.525	4.76	3.81	0.80	

Ceramic inserts 陶瓷刀片

Work material	P					●			● 1st choice ◎ 2nd choice ○ 3rd choice					
	M					◎								
	K					◎								
	N													
	S													
	H					●								
Inserts	ISO Code	Grade						Dimensions(mm)				Drawing		
					DNW100			D	T	d	R			
	VBMT110301R-Y				●			6.35	3.18	2.80	0.10			
	VBMT110302R-Y				●			6.35	3.18	2.80	0.20			
	VBMT110304R-Y				●			6.35	3.18	2.80	0.40			
	VBMT160402R-Y				●			9.525	4.76	4.40	0.20			
	VBMT160404R-Y				●			9.525	4.76	4.40	0.40			
	VBGT160402R-S				●			9.525	4.76	4.40	0.20			
	VBGT160404R-S				●			9.525	4.76	4.40	0.40			
	VBMT110301L-Y				●			6.35	3.18	2.80	0.10			
	VBMT110302L-Y				●			6.35	3.18	2.80	0.20			
	VBMT110304L-Y				●			6.35	3.18	2.80	0.40			
	VBMT160402L-Y				●			9.525	4.76	4.40	0.20			
	VBMT160404L-Y				●			9.525	4.76	4.40	0.40			
	VBMT110302-HQ				●			6.35	3.18	2.80	0.20			
	VBMT110304-HQ				●			6.35	3.18	2.80	0.40			
	VBMT110308-HQ				●			6.35	3.18	2.80	0.80			
	VBMT160402-HQ				●			9.525	4.76	4.40	0.20			
	VBMT160404-HQ				●			9.525	4.76	4.40	0.40			
	VBMT160408-HQ				●			9.525	4.76	4.40	0.80			
	SNMG120404-HQ				●			12.70	4.76	5.16	0.40			
	SNMG120408-HQ				●			12.70	4.76	5.16	0.80			
	TNMG160402R-S				●			9.525	4.76	3.81	0.20			
	TNMG160404R-S				●			9.525	4.76	3.81	0.40			
	TNMG160408R-S				●			9.525	4.76	3.81	0.80			
	TNMG160402L-S				●			9.525	4.76	3.81	0.20			
	TNMG160404L-S				●			9.525	4.76	3.81	0.40			
	TNMG160408L-S				●			9.525	4.76	3.81	0.80			
	TNMG160402R-C				●			9.525	4.76	3.81	0.20			
	TNMG160404R-C				●			9.525	4.76	3.81	0.40			
	TNMG160408R-C				●			9.525	4.76	3.81	0.80			

CARBIDE INSERTS CATALOG

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