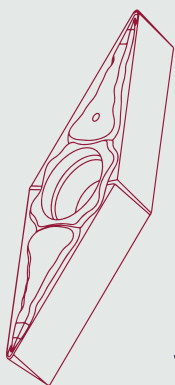


EST : 2019

CARBIFORCE

AFFORDABLE TOOLING



INSERTS CATALOG

www.carbiforce.com



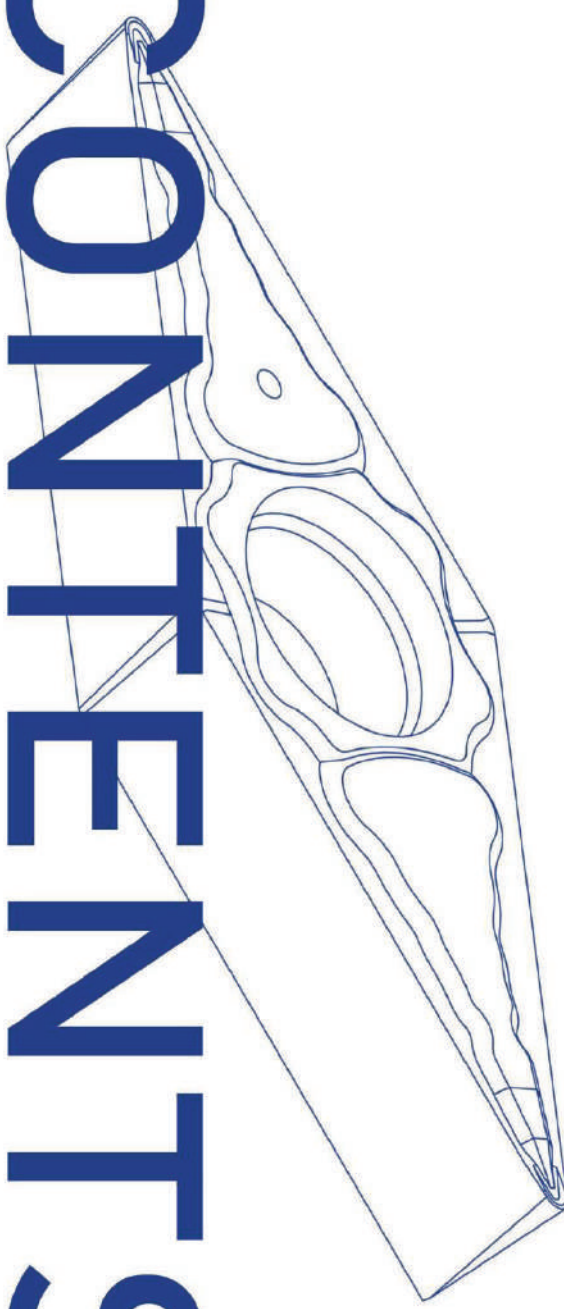
ABOUT US

Carbiforce Pvt. Ltd. stands as a beacon of excellence in the manufacturing industry, producing top-tier carbide and CNC cutting equipment. Renowned for our unwavering commitment to quality, we deliver products that perfectly blend affordability with premium standards.

Every piece of equipment crafted by Carbiforce embodies precision, durability, and reliability, making us the go-to choice for professionals who demand the best. With a keen eye on innovation and customer satisfaction, we ensure that our cutting-edge solutions not only meet but exceed industry expectations. Our dedication to affordability ensures that premium quality is accessible to all, making us a trusted partner for businesses of all sizes.

By consistently pushing the boundaries of technology and craftsmanship, Carbiforce Pvt. Ltd. has established itself as a fabulous brand synonymous with excellence in the world of carbide and CNC cutting equipment.

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01 TURNING

TURNING CATALOG
TURNING BLADE
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02 GROOVING

GROOVING CATALOG
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GROOVING TOOL HOLDER

03 MILLING

MILLING CUTTER CATALOG
MILLING INSERT
MILLING CUTTER DISC

04 DRILLING

DRILLING CATALOG
DRILLING BLADES
DRILL BIT SHANK

05 PRODUCTS

BLADE DISPLAY

Turning Inserts Code

CT	K7	4	1	5	E
1	2	3	4	5	6

1 Brand	 CT
---------	---

2 Cutted material	P8	M9	K7	N	S	H
	Steel	SS	Castiron	Nonferrous	Heat-resistant alloy	Hard material

3 Color	3	4	5	6
	Yellow	Black	Copper	Double colour

4 Hardness code	1	2	3
	Hard	General	Soft

5 Coating	0	5
	PVD	CVD

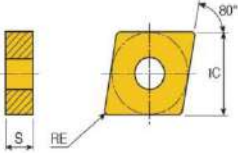
6 High light	E
	GL coating

Code List		
K7	P8	M9
CT K7415	CT P8325	CT M9330
	CT P8625	CT M9330

CARBIFORCE

Negative 80° Rhombus Inserts

CNMG

	Flute length	Size (mm)		
		IC	S	RE
	12	12.7	4.76	0.1-1.6
	19	19.05	6.35	0.4-1.6

Insert	Code	Feed	Cutting depth	P					M/S				K	N
				CTP P8325	CTP P8625	CTP P8325E	CTP P8625E	CTP P8615E	CTP M9330	CTP M9430	CTP M9530	CTP M9610		
 Finish cut	CNMG120404-EA	0.05-0.30	0.15-1.5	○	●	12			●		●	10	12	
 Semifinishing	CNMG120404-43	0.12-0.52	0.7-4.8	○	●	12			●		●	10	12	
	CNMG120408-43	0.12-0.52	0.7-4.8	○	●	12			●		●	10	12	
 Medium processing	CNMG120408-EM	0.13-0.50	0.50-5.0	○	●	12			●		●	10	12	
	CNMG120412-EM	0.15-0.55	0.50-5.0	○	●	12			●		●	10	12	
 Medium processing	CNMG120404-MA	0.10-0.50	0.5-5.0	○	●	12			●		●	10	12	
	CNMG120408-MA	0.13-0.50	0.5-5.0	○	●	12			●		●	10	12	
	CNMG120412-MA	0.15-0.55	0.5-5.0	○	●	12			●		●	10	12	
 Medium processing	CNMG120404-MT	0.15-0.40	1.0-5.0	○	●	12			●		●	10	12	
	CNMG120408-MT	0.17-0.55	1.2-5.0	○	●	12			●		●	10	12	
	CNMG160608-MT	0.20-0.55	2.0-6.5	○	●	32			●		●	30		
	CNMG160612-MT	0.25-0.55	2.0-6.5	○	●	32			●		●	30		
 Medium processing	CNMG120408-PC	0.15-0.50	0.5-5.0	○	●	12			●		●	10	12	
 Medium processing	CNMG120408-TM	0.20-0.50	0.5-5.0	○	●	12			●		●	10	12	
 Medium processing	CNMG120404	0.23-0.60	2.5-6.0	○	●	12			●		●	10	●	12
	CNMG120408	0.25-0.60	2.5-6.0	○	●	12			●		●	10	●	12
 Rough cut	CNMG190616-RT	0.30-0.85	3.0-9.0	○	●	38			●		●	36		
 Rough cut	CNMG120412-ET	0.30-0.85	3.0-9.0	○	●	12			●		●	10		12

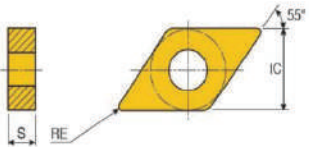
● Main recommended code

○ Optional model

CARBIFORCE

Negative 55° Rhombus Inserts

DNMG

	Flute length	Size (mm)		
		IC	S	RE
	11	9.52	4.76	0.4-0.8
	15	12.7	4.76-6.35	0.4-1.6

Insert	Code	Feed	Cutting depth	P					M/S				K	N
				CTP8325	CTP8625	CTP8325E	CTP8625E	CTP8615E	CTM9330	CTM9430	CTM9530	CTM9510	CTK7415	
 Finish cut	DNMG110404-FG	0.07-0.20	0.5-2.0	○	●	18.6			●		●	16.6		
	DNMG110408-FG	0.10-0.25	0.7-2.0	○	●	18.6			●		●	16.6		
 Semifinishing	DNMG150408-43	0.12-0.52	0.7-4.8	○	●	18.6			●		●	16.6		
	DNMG150608-43	0.12-0.52	0.7-4.8	○	●	18.6			●		●	16.6		
 Medium processing	DNMG150408-MA	0.13-0.50	0.5-5.0	○	●	18.6			●		●	16.6		
	DNMG150608-MA	0.13-0.50	0.5-5.0	○	●	20			●		●	18		
 Medium processing	DNMG150408-TM	0.20-0.50	0.5-5.0	○	●	18.6			●		●	16.6		
	DNMG150404-TM	0.10-0.50	0.5-5.0	○	●	18.6			●		●	16.6		
	DNMG150608-TM	0.20-0.50	0.5-5.0	○	●	20			●		●	18		
	DNMG150604-TM	0.10-0.50	0.5-5.0	○	●	20			●		●	18		
 Medium processing	DNMG150408	0.25-0.60	2.5-6.0	○	●	18.6			●		●	16.6	●	18.6
	DNMG150608	0.25-0.60	2.5-6.0	○	●	20			●		●	18	●	20
 Medium processing	DNMG150404-PC	0.10-0.40	0.4-4.0	○	●	18.6			●		●	16.6		
	DNMG150408-PC	0.15-0.50	0.5-4.0	○	●	18.6			●		●	16.6		
	DNMG150604-PC	0.10-0.40	0.4-4.0	○	●	20			●		●	18		
	DNMG150608-PC	0.15-0.50	0.5-4.0	○	●	20			●		●	18		
 Medium processing	DNMG150408-WS	0.10-0.30	0.8-4.0	○	●	18.6			●		●	16.6		
	DNMG150608-WS	0.10-0.30	0.8-4.0	○	●	20			●		●	18		

● Main recommended code

○ Optional model

CARBIFORCE

Negative 90° Rhombus Inserts

SNMG

	Flute length	Size (mm)		
	IC	S	RE	
	12	12.7	4.76	0.4-1.6
	15	15.88	6.35	0.8-1.6

Insert	Code	Feed	Cutting depth	P					M/S				K	N
				CT9825	CT9825	CT9825E	CT9825E	CT9815E	CT9830	CT9840	CT9830	CT98510	CT9815	
 Finish cut	SNMG120408-FW	0.10-0.40	0.50-4.5	○	●	12			●		●	10		
 Semifinishing	SNMG120408-GM	0.10-0.40	0.50-4.5	○	●	12			●		●	10		
 Medium processing	SNMG120404-MA	0.10-0.50	0.5-5.0	○	●	12			●		●	10		
	SNMG120408-MA	0.13-0.50	0.5-5.0	○	●	12			●		●	10		
 Medium processing	SNMG120408-T	0.23-0.60	1.5-5.0	○	●	12			●		●	10		
 Medium processing	SNMG120408	0.25-0.60	2.0-5.0	○	●	12			●		●	10	●	12
 Medium processing	SNMG150612-MT	0.30-0.65	2.0-7.0	○	●	32			●		●	30		
 Medium processing	SNMG150612L-ZC	0.30-0.65	2.0-7.0	○	●	32			●		●	30		
	SNMG150612R-ZC	0.30-0.65	2.0-7.0	○	●	32			●		●	30		
 Rough cut	SNMG150612-GZ	0.30-1.00	5.0-15.0	○	●	32			●		●	30		

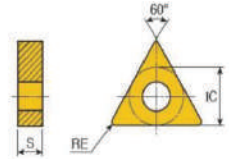
● Main recommended code

○ Optional model

CARBIFORCE

Negative 60° Rhombus Inserts

TNMG

	Flute length	Size (mm)		
	IC	S	RE	
	16	9.52	4.76	0.4-1.2

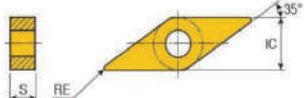
Insert	Code	Feed	Cutting depth	P					M/S			K	N
				CTP8025	CTP8025	CTP8025E	CTP8025E	CTP8025E	CTM8030	CTM8030	CTM8030	CTM8030	CTM8030
 Finish cut	TNMG160404-EA	0.05-0.20	0.1-1.5	○	●	12			●	●	10		
	TNMG160408-EA	0.10-0.40	0.1-1.5	○	●	12			●	●	10		
 Semifinishing	TNMG160408-43	0.12-0.52	0.7-4.8	○	●	12			●	●	10		
	TNMG160412-43	0.12-0.52	0.7-4.8	○	●	12			●	●	10		
 Medium processing	TNMG160404L-FS	0.15-0.30	0.8-3.0	○	●	12			●	●	10		
	TNMG160404R-FS	0.15-0.30	0.8-3.0	○	●	12			●	●	10		
	TNMG160408L-FS	0.20-0.40	1.0-3.5	○	●	12			●	●	10		
	TNMG160408R-FS	0.20-0.40	1.0-3.5	○	●	12			●	●	10		
 Medium processing	TNMG160408-EM	0.13-0.50	0.8-4.5	○	●	12			●	●	10		
 Medium processing	TNMG160408-GM	0.10-0.40	0.50-4.5	○	●	12			●	●	10		
	TNMG160412-GM	0.10-0.55	0.80-4.5	○	●	12			●	●	10		
 Medium processing	TNMG160404-MA	0.10-0.50	0.5-5.0	○	●	12			●	●	10		
	TNMG160408-MA	0.13-0.50	0.5-5.0	○	●	12			●	●	10		
	TNMG160412-MA	0.15-0.55	0.5-5.0	○	●	12			●	●	10		
 Medium processing	TNMG160404-PC	0.15-0.40	1.0-3.5	○	●	12			●	●	10		
	TNMG160408-PC	0.15-0.50	0.5-4.5	○	●	12			●	●	10		
 Medium processing	TNMG160408-TM	0.20-0.50	0.5-5.0	○	●	12			●	●	10		
 Medium processing	TNMG160404L-VF	0.10-0.30	0.7-3.5	○	●	12			●	●	10		
	TNMG160404R-VF	0.10-0.30	0.7-3.5	○	●	12			●	●	10		
	TNMG160408L-VF	0.12-0.35	1.0-3.5	○	●	12			●	●	10		
	TNMG160408R-VF	0.12-0.35	1.0-3.5	○	●	12			●	●	10		
 Medium processing	TNMG160404	0.20-0.60	1.2-5.0	○	●	12			●	●	10	●	12
	TNMG160408	0.25-0.60	2.0-5.0	○	●	12			●	●	10	●	12

● Main recommended code

○ Optional model

Negative 35° Rhombus Inserts

VNMG

	Flute length	Size (mm)		
		IC	S	RE
	16	9.52	4.76	0.4-0.8

Insert	Code	Feed	Cutting depth	P					M/S				K	N
				CTP8025	CTP8025	CTP8025E	CTP8025E	CTP8015E	CTV8030	CTV8040	CTV8050	CTV80510		
 Finish cut	VNMG160404-EA	0.05-0.20	0.1-1.5	○	●	14			●		●	12		
 Semifinishing	VNMG160408-EM	0.13-0.50	0.8-3.5	○	●	14			●		●	12		
 Medium processing	VNMG160408-MA	0.13-0.50	0.5-5.0	○	●	14			●		●	12		
 Medium processing	VNMG160404-PC	0.15-0.36	0.4-3.0	○	●	14			●		●	12		
	VNMG160408-PC	0.17-0.36	0.5-3.0	○	●	14			●		●	12		
 Medium processing	VNMG160404-TM	0.10-0.50	0.5-5.0	○	●	14			●		●	12		
	VNMG160408-TM	0.20-0.50	0.5-5.0	○	●	14			●		●	12		
	VNMG160412-TM	0.25-0.55	1.5-4.0	○	●	14			●		●	12		
 Medium processing	VNMG160408	0.25-0.60	2.0-5.0	○	●	14			●		●	12	●	14

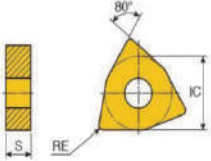
● Main recommended code

○ Optional model

CARBIFORCE

Negative 80° Triangle Inserts

WNMG

	Flute length	Size (mm)		
		IC	S	RE
	06	9.52	4.76	0.4-1.2
	08	12.7	4.76	0.4-1.2

Insert	Code	Feed	Cutting depth	P					M/S				K	N
				CTP8025	CTP8025	CTP8025E	CTP8025E	CTP8015E	CTM8030	CTM8030	CTM8030	CTM8010	CTK7415	
 Finish cut	WNMG080404-EA	0.05-0.20	0.1-1.5	○	●	12			●		●	10		
 Finish cut	WNMG080408-GF	0.08-0.25	0.25-2.0	○	●	12			●		●	10		
 Semifinishing	WNMG080404-43	0.12-0.52	0.7-4.8	○	●	12			●		●	10		
	WNMG080408-43	0.12-0.52	0.7-4.8	○	●	12			●		●	10		
	WNMG080412-43	0.12-0.52	0.7-4.8	○	●	12			●		●	10		
 Medium processing	WNMG060408-EM	0.15-0.55	0.8-3.0	○	●	12			●		●	10		
	WNMG060412-EM	0.15-0.55	0.8-3.0	○	●	12			●		●	10		
	WNMG080404-EM	0.10-0.45	0.8-4.0	○	●	12			●		●	10		
	WNMG080408-EM	0.12-0.45	0.8-4.0	○	●	12			●		●	10		
	WNMG080412-EM	0.12-0.45	0.8-4.0	○	●	12			●		●	10		
 Medium processing	WNMG080408-GM	0.10-0.40	0.4-5.5	○	●	12			●		●	10		
	WNMG080412-GM	0.10-0.55	0.8-5.5	○	●	12			●		●	10		
 Medium processing	WNMG060408-MA	0.13-0.50	0.5-5.0	○	●	12			●		●	10		
	WNMG060412-MA	0.15-0.55	0.5-5.0	○	●	12			●		●	10		
	WNMG080404-MA	0.10-0.50	0.5-5.0	○	●	12			●		●	10		
	WNMG080408-MA	0.13-0.50	0.5-5.0	○	●	12			●		●	10		
	WNMG080412-MA	0.15-0.55	0.5-5.0	○	●	12			●		●	10		
 Medium processing	WNMG080408-MF1	0.13-0.50	0.5-5.0	○	●	12			●		●	10		
	WNMG080412-MF1	0.15-0.55	0.5-5.0	○	●	12			●		●			
 Medium processing	WNMG080404-MT	0.12-0.40	1.0-4.0	○	●	12			●		●	10		
	WNMG080408-MT	0.17-0.55	1.2-4.0	○	●	12			●		●	10		
 Medium processing	WNMG080408-PC	0.15-0.50	0.5-4.0	○	●	12			●		●	10		

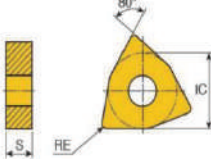
● Main recommended code

○ Optional model

CARBIFORCE

Negative 80° Triangle Inserts

WNMG

	Flute length	Size (mm)		
		IC	S	RE
	06	9.52	4.76	0.4-1.2
	08	12.7	4.76	0.4-1.2

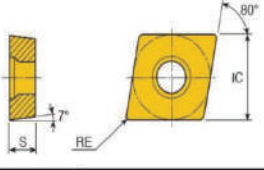
Insert	Code	Feed	Cutting depth	P					M/S				K	N
				CTP8325	CTP8625	CTP8325E	CTP8625E	CTP8615E	CTM9630	CTM9430	CTM9630	CTM9610	CTK7415	
 Medium processing	WNMG080408-TM	0.20-0.45	1.5-4.5	○	●	12			●		●	10		
	WNMG080412-TM	0.25-0.55	1.5-4.0	○	●	12			●		●	10		
 Medium processing	WNMG080404L-ZC	0.15-0.30	0.8-3.0	○	●	12			●		●	10		
	WNMG080404R-ZC	0.15-0.30	0.8-3.0	○	●	12			●		●	10		
	WNMG080408L-ZC	0.20-0.40	1.0-3.5	○	●	12			●		●	10		
	WNMG080408R-ZC	0.20-0.40	1.0-3.5	○	●	12			●		●	10		
 Medium processing	WNMG080408	0.25-0.60	2.0-5.0	○	●	12			●		●	10	●	12
	WNMG080412	0.25-0.60	2.0-5.0	○	●	12			●		●	10	●	12
 Medium Rough Processing	WNMG080412-PM	0.15-0.40	0.5-4.0	○	●				●		●			

- Main recommended code
- Optional model

CARBIFORCE

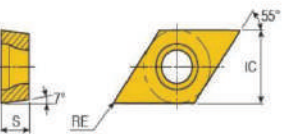
Positive 7° rear Angle, 80°Rhombus Inserts

CCMT

				Flute length		Size (mm)							
						IC		S		RE			
				06		6.35		2.38		0.1-0.8			
				09		9.52		3.97		0.1-0.8			
12		12.7		4.76		0.4-1.2							
Insert	Code	Feed	Cutting depth	P					M/S			K	N
				CT P8325	CT P8625	CT P8325E	CT P8625E	CT P8615E	CT M9330	CT M9430	CT M9630	CT M9510	CT K7415
 Semifinishing	CCMT09T308-PF	0.10-0.28	0.5-3.0	○		○	●	8	●		●	6	
								8				6	
								8				6	
 Medium processing	CCMT09T304-MT	0.10-0.25	0.7-3.5	○		○	●	8	●		●	6	● 8
	CCMT09T308-MT	0.13-0.30	1.0-3.5	○		○	●	8	●		●	6	● 8
	CCMT120408-MT	0.13-0.30	1.3-5.0	○		○	●	12	●		●	10	● 12
 Medium processing	CCMT060204-PC	0.06-0.18	0.3-2.0	○		○	●	7	●		●	5	
	CCMT060208-PC	0.08-0.25	0.4-2.0	○		○	●	7	●		●	5	
	CCMT09T304-PC	0.08-0.25	0.35-3.0	○		○	●	8	●		●	6	
	CCMT09T308-PC	0.10-0.28	0.5-3.0	○		○	●	8	●		●	6	
	CCMT120404-PC	0.08-0.25	0.4-4.0	○		○	●	12	●		●	10	
	CCMT120408-PC	0.10-0.30	0.7-4.0	○		○	●	12	●		●	10	

Positive 7° rear Angle, 55°Rhombus Inserts

DCMT

				Flute length		Size (mm)								
						IC		S		RE				
				07		6.35		2.38		0.3-0.8				
				11		9.52		3.97		0.3-1.2				
Insert	Code	Feed	Cutting depth	P					M/S			K	N	
				CT P8325	CT P8625	CT P8325E	CT P8625E	CT P8615E	CT M9330	CT M9430	CT M9630	CT M9510	CT C7415	
 Medium processing	DCMT11T304-MT	0.10-0.25	0.7-3.0	○		○	●	9	●		●	7	●	9
	DCMT11T308-MT	0.13-0.30	1.0-3.0	○		○	●	9	●		●	7	●	9
 Medium processing	DCMT070204-PC	0.06-0.18	0.3-2.0	○		○	●	7	●		●	5		
	DCMT070208-PC	0.08-0.25	0.4-2.0	○		○	●	7	●		●	5		
	DCMT11T304-PC	0.08-0.25	0.35-3.0	○		○	●	9	●		●	7		
	DCMT11T308-PC	0.10-0.28	0.5-3.0	○		○	●	9	●		●	7		

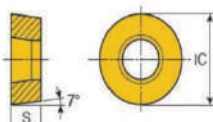
● Main recommended code

○ Optional model

CARBIFORCE

Circular Inserts

RCMT

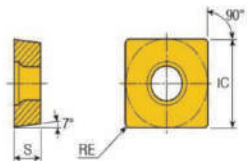
		Flute length		Size (mm)								
				IC		S		RE				
		16		16.0		6.4						
Insert	Code	Feed	Cutting depth	P					M/S		K	N
				CTP8325	CTP8625	CTP8625E	CTP8625E	CTP8615E	CTM9330	CTM9430	CTM9530	CTM9510
 Rough cut	RCMT1606MOUPG	0.3-0.75	2.5-7.0	○		○	●	11	●		9	

● Main recommended code

○ Optional model

Positive 7° rear Angle, 90° Square Inserts

SCMT

		Flute length	Size (mm)											
			IC					S		RE				
			09					9.52		3.97		0.4-0.8		
			12					12.7		4.76		0.4-1.2		
Insert	Code	Feed	Cutting depth	P					M/S			K	N	
				CTP8325	CTP8625	CTP8625E	CTP8625E	CTP8615E	CTM9330	CTM9430	CTM9530	CTM9510	CTK7415	
 Medium processing	SCMT120404-MT	0.10-0.25	1.0-5.0	○	●	16			●		●	14		
	SCMT120408-MT	0.13-0.30	1.0-5.0	○	●	16			●		●	14		
 Medium processing	SCMT09T304-PC	0.08-0.25	0.35-3.0	○	●	12			●		●	10		
	SCMT09T308-PC	0.10-0.28	0.5-3.0	○	●	12			●		●	10		
	SCMT120404-PC	0.08-0.25	0.4-4.0	○	●	16			●		●	14		
	SCMT120408-PC	0.10-0.30	0.7-4.0	○	●	16			●		●	14		

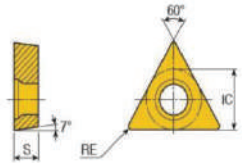
● Main recommended code

○ Optional model

CARBIFORCE

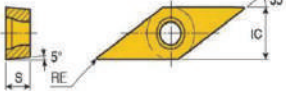
Positive 7° rear Angle, 60°Triangle Inserts

TCMT

		Flute length		Size (mm)									
				IC		S		RE					
		09		5.56		2.38		0.4-0.8					
		11		6.35		2.38-3.18		0.1-0.8					
16		9.52		3.97		0.4-1.2							
Insert	Code	Feed	Cutting depth	P					M/S			K	N
				CTP8225	CTP8625	CTP8225E	CTP8625E	CTP8615E	CTM9330	CTM9430	CTM9530	CTM9510	CTK7415
 Finish cut	TCMT110202-FA	0.03-0.15	0.1-1.5	○		○	●	7	●		●	5	
				○		○	●	7	●		●	5	
 Medium processing	TCMT110204-MT	0.10-0.25	0.6-3.0	○		○	●	7	●		●	5	7
	TCMT16T308-MT	0.10-0.30	1.0-5.0	○		○	●	11	●		●	9	11
				○		○	●		●		●	5	
 Medium processing	TCMT090204-PC	0.06-0.18	0.3-2.0	○		○	●	7	●		●		
	TCMT110204-PC	0.06-0.2	0.3-2.5	○		○	●	7	●		●	5	
	TCMT110208-PC	0.09-0.26	0.42-2.5	○		○	●	7	●		●	5	
	TCMT16T304-PC	0.08-0.25	0.35-3.0	○		○	●	11	●		●	9	
	TCMT16T308-PC	0.10-0.28	0.5-3.0	○		○	●	11	●		●	9	

Positive 5° rear Angle, 35°Rhombus Inserts

VBMT

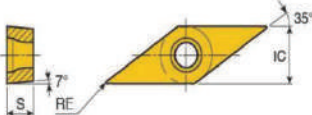
		Flute length		Size (mm)										
				IC		S		RE						
		16		9.52		4.76		0.1-1.2						
Insert	Code	Feed	Cutting depth	P					M/S			K	N	
				CTP8225	CTP8625	CTP8225E	CTP8625E	CTP8615E	CTM9330	CTM9430	CTM9530	CTM9510	CTK7415	
 Medium processing	VBMT160408-MT	0.13-0.30	0.9-3.0	○		○	●	13	●		●	12	●	13
 Medium processing	VBMT160404-PC	0.07-0.22	0.5-2.8	○		○	●	13	●		●	12		
	VBMT160408-PC	0.10-0.27	0.5-2.8	○		○	●	13	●		●	12		
	VBMT160412-PC	0.10-0.28	0.5-2.8	○		○	●	13	●		●	12		

- Main recommended code
- Optional model

CARBIFORCE

Positive 7° rear Angle, 35° Phombus Inserts

VCMT

				Flute length		Size (mm)							
						IC		S		RE			
				11		6.35		3.18		0.1-0.4			
				16		9.52		4.76		0.4-0.8			
Insert	Code	Feed	Cutting depth	P					M/S			K	N
				CTP8325	CTP8625	CTP8325E	CTP8625E	CTP8615E	CTM8330	CTM8430	CTM8530	CTM8510	CTK7415
 Medium processing	VCMT110304-PC	0.05-0.20	0.1-1.7	○		○	●	13	●		●	12	
	VCMT160404-PC	0.05-0.20	0.3-2.0	○		○	●	13	●		●	12	
	VCMT160408-PC	0.07-0.20	0.3-2.0	○		○	●	13	●		●	12	

● Main recommended code

○ Optional model

GROOVE CUTTER SERIES



Slotted Inserts Code

CT	8	3	2	0
1	2	3	4	5

1 Brand

CT

2 Cutted Material

7	8	9
Castiron	Steel	SS

3 Color

3	4	5	6
Yellow	Black	Copper	Double coating

4 Hardness Code

1	2	3
Hard	General	Soft

5 Coating

0	5
PVD	CVD

Code list		
7	8	9
CT7410	CT8320	CT9330
	CT8420	CT9430
		CT9530

CARBIFORCE

TDC, TDJ

TDC Inserts



Code	Size (mm)				Cutting		Grooving	Grade				
	W ±0.05	M	L	R	Feed (mm/rev)	Cutting depth (mm)	Feed (mm/rev)	CT 7410	CT 8320	CT 8420	CT 8330	CT 9530
TDC 2	2.0	1.7	20.0	0.2	0.17-0.20	0.5-1.8	0.05-0.18	●	●	○	●	12
TDC 3	3.0	2.4	20.0	0.2	0.20-0.27	0.5-2.4	0.07-0.25	●	●	○	●	12
TDC 4	4.0	3.0	20.0	0.3	0.22-0.27	1.0-2.4	0.08-0.30	●	●	○	●	14
TDC 5	5.0	4.0	25.0	0.3	0.20-0.27	0.5-2.4	0.09-0.35	●	●	○	●	16
TDC 6	6.0	5.0	25.0	0.3	0.22-0.27	1.0-2.4	0.12-0.40	●	●	○	●	○

TDJ Inserts

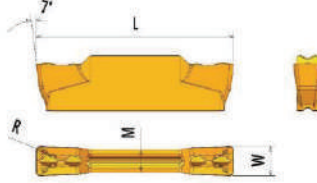


Code	Size (mm)				Cutting	Grade				
	W ±0.05	M	L	R	Feed (mm/rev)	CT 7410	CT 8320	CT 8420	CT 8330	CT 9530
TDJ 2	2.0	1.7	20.0	0.2	0.04-0.12	●	●	○	●	12
TDJ 3	3.0	2.4	20.0	0.2	0.04-0.16	●	●	○	●	12
TDJ 4	4.0	3.0	20.0	0.3	0.05-0.18	●	●	○	●	14
TDJ 5	5.0	4.0	25.0	0.3	0.05-0.20	●	●	○	●	16
TDJ 6	6.0	5.0	25.0	0.3	0.05-0.22	●	●	○	●	○

CARBIFORCE

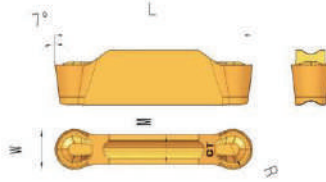
MGMN, TDT

MGMN Inserts

Code	Size (mm)				Cutting		Grooving	Grade				
	W±0.05	M	l	r	Feed (mm/rev)	Cutting depth (mm)	Feed (mm/rev)	CT7410	CT8320	CT8420	CT9330	CT9530
MGMN200-M	2.0	1.2	16	0.2	0.12-0.18	0.4-1.2	0.03-0.2	●	●	○	●	7
MGMN300-M	3.0	2.35	21	0.4	0.17-0.20	0.5-1.8	0.06-0.18	●	●	○	●	7
MGMN400-M	4.0	3.3	21	0.4	0.20-0.27	0.5-2.4	0.07-0.20	●	●	○	●	8
MGMN500-M	5.0	4.1	26	0.8	0.25-0.37	1.0-3.0	0.08-0.23	●	●	○	●	12
MGMN600-M	6.0	5.0	26	0.8	0.26-0.42	1.0-3.6	0.12-0.35	●	●	○	●	15

TDT Inserts

Code	Size (mm)				Cutting		Grooving	Grade				
	W±0.05	M	l	r	(mm/rev)	(mm)	(mm/rev)	CT7410	CT8320	CT8420	CT9330	CT9530
TDT 2E-1.0-RU	2.0	1.7	20.0	1.0	0.10-0.25	0.0-1.0	0.05-0.15	●	●	○	●	10
TDT 3E-1.5-RU	3.0	2.2	20.0	1.5	0.15-0.28	0.0-1.5	0.08-0.18	●	●	○	●	10
TDT 4E-2.0-RU	4.0	3.0	20.0	2.0	0.18-0.35	0.0-2.0	0.10-0.20	●	●	○	●	12
TDT 5E-2.5-RU	5.0	4.0	25.0	2.5	0.20-0.42	0.0-2.5	0.12-0.23	●	●	○	●	14
TDT 6E-3.0-RU	6.0	5.0	25.0	3.0	0.25-0.54	0.0-3.0	0.15-0.27	●	●	○	●	18

Selection Precautions

•Minimum cutting dia of the end slotting inserts(mm)

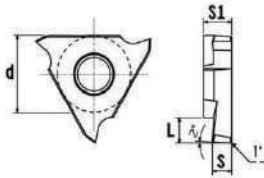
Face finishing	Insert	Width	Mindia	Insert	Insert Width	Mindia	Insert	Width	Mindia	Insert	Width	Mindia
	TDC	3	54	TDJ	3	54	MGMN	/	/	TDT	3	41
		4	34		4	34		4	44		4	36
		5	49		5	49		/	/		5	54
		6	46		6	46		/	/		6	48

•Minimum cutting dia of the inner hole slotting inserts(mm)

Inner hole machining	Insert	Width	Mindia	Insert	Insert Width	Mindia	Insert	Width	Mindia	Insert	Width	Mindia
	TDC	2	40	TDJ	2	40	MGMN	2	20	TDT	2	41
		/	/		/	/		/	/		/	/
		3	50		3	50		3	25		3	38
		4	50		4	50		4	25		4	38
		5	60		5	60		5	31		5	43
		6	60		6	60		6	31		6	46
		/	/		/	/		/	/		/	/

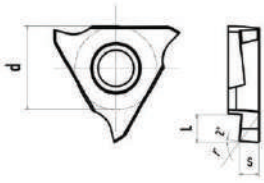
GBA**32L/43L

GBA Inserts: Suitable for shallow groove machining

Inserts	Shape					
						
Code	Size (mm)					Grade
	S	L	ød	S1	r	CT0520
GBA32L110-010	1.10	2.0	9.525	3.18	0.1	12
GBA32L125-020	1.25	2.0	9.525	3.18	0.2	12
GBA32L145-020	1.45	2.0	9.525	3.18	0.2	12
GBA32L150-020	1.50	2.0	9.525	3.18	0.2	12
GBA32L175-020	1.75	2.0	9.525	3.18	0.2	12
GBA32L185-020	1.85	2.5	9.525	3.18	0.2	12
GBA32L200-020	2.00	2.5	9.525	3.18	0.2	12
GBA32L250-020	2.50	2.5	9.525	3.18	0.2	12
GBA32L300-020	3.00	3.0	9.525	3.18	0.2	12
GBA43L125-020	1.25	2.0	12.7	3.18	0.2	12
GBA43L145-020	1.45	2.0	12.7	3.18	0.2	12
GBA43L150-020	1.50	3.5	12.7	4.76	0.2	12
GBA43L175-020	1.75	3.5	12.7	4.76	0.2	12
GBA43L185-020	1.85	3.5	12.7	4.76	0.2	12
GBA43L200-020	2.00	3.5	12.7	4.76	0.2	12
GBA43L230-020	2.30	3.5	12.7	4.76	0.2	12
GBA43L250-030	2.50	4.0	12.7	4.76	0.3	12
GBA43L265-030	2.65	4.0	12.7	4.76	0.3	12
GBA43L280-030	2.80	4.0	12.7	4.76	0.3	12
GBA43L300-030	3.00	4.0	12.7	4.76	0.3	12
GBA43L320-030	3.20	4.0	12.7	4.76	0.3	12
GBA43L330-030	3.30	4.0	12.7	4.76	0.3	12
GBA43L350-030	3.50	5.0	12.7	4.76	0.3	12
GBA43L400-040	4.0	5.0	12.7	4.76	0.4	12
GBA43L430-040	4.3	5.0	12.7	4.76	0.4	12
GBA43L450-040	4.5	5.0	12.7	4.76	0.4	12
GBA43L480-040	4.8	5.0	12.7	5.06	0.4	12

GBA**32L/43L

GBA Inserts: Suitable for shallow groove machining

Inserts	Shape					
						
Insert size	Size (mm)					Grade
	S	L	ød	S1	r	12
GBA32R110-010	1.10	2.0	9.525	3.18	0.1	12
GBA32R125-020	1.25	2.0	9.525	3.18	0.2	12
GBA32R145-020	1.45	2.0	9.525	3.18	0.2	12
GBA32R150-020	1.50	2.0	9.525	3.18	0.2	12
GBA32R175-020	1.75	2.0	9.525	3.18	0.2	12
GBA32R185-020	1.85	2.5	9.525	3.18	0.2	12
GBA32R200-020	2.00	2.5	9.525	3.18	0.2	12
GBA32R250-020	2.50	2.5	9.525	3.18	0.2	12
GBA32R300-020	3.00	3.0	9.525	3.18	0.2	12
GBA43R125-020	1.25	2.0	12.7	3.18	0.2	12
GBA43R145-020	1.45	2.0	12.7	3.18	0.2	12
GBA43R150-020	1.50	3.5	12.7	4.76	0.2	12
GBA43R175-020	1.75	3.5	12.7	4.76	0.2	12
GBA43R185-020	1.85	3.5	12.7	4.76	0.2	12
GBA43R200-020	2.00	3.5	12.7	4.76	0.2	12
GBA43R230-020	2.30	3.5	12.7	4.76	0.2	12
GBA43R250-030	2.50	4.0	12.7	4.76	0.3	12
GBA43R265-030	2.65	4.0	12.7	4.76	0.3	12
GBA43R280-030	2.80	4.0	12.7	4.76	0.3	12
GBA43R300-030	3.00	4.0	12.7	4.76	0.3	12
GBA43R320-030	3.20	4.0	12.7	4.76	0.3	12
GBA43R330-030	3.30	4.0	12.7	4.76	0.3	12
GBA43R350-030	3.50	5.0	12.7	4.76	0.3	12
GBA43R400-040	4.0	5.0	12.7	4.76	0.4	12
GBA43R430-040	4.3	5.0	12.7	4.76	0.4	12
GBA43R450-040	4.5	5.0	12.7	4.76	0.4	12
GBA43R480-040	4.8	5.0	12.7	5.06	0.4	12



MILLING CATALOG

MILLING

MILLING INSERTS

BRAND DESCRIPTION

MILLING INSERTS

3PKT/AXMT/APMT/APKT/HNMX/HNHX/MF80/OFMT/RPMT/RDMX/RDMW/RXMX

SEKT/SDMT/SNMX/SNMU/WNMU/WNMX

MILLING CUTTER DISC



kr:45 °

WFM45SE

• • • • •

SEKT 12T3

TFM45HNS

• • • • •

HNKX 1006

WFM45SN

• • • • •

SNMX 1205ANN

kr:88 °

WFM88SN

• • • • •

SNMX 1205ZNN

kr:89.5 °

WFM89.5MF80

• • • • •

MF80 1305

kr:90 °

3P WFM90

• • • • •

3PKT 1505

BAP300R

• • • • •

APMT 1135

BAP400R

• • • • •

APMT 1604

TFM90AP

• • • • •

APKT 1705

WFM90WN

• • • • •

WNMU 0806

CFM90WN

• • • • •

WNMX 0806

Milling Inserts Code

CT	7	4	1	5	E
1	2	3	4	5	6

1 Brand

CT

2 Cutted material

7	8	9
Castiron	Steel	Stainless steel

3 Color

3	4	5	6
Yellow	Black	Copper	Double coating

4 Hardness Code

1	2	3
Hard	General	Soft

5 Coating

0	5
PVD	CVD

6 High light

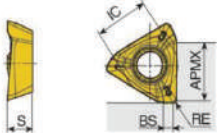
E
GLCOATING

Code list		
7	8	9
CT7410	CT8320	CT9330
	CT8420	CT9530
	CT8520	

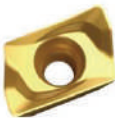
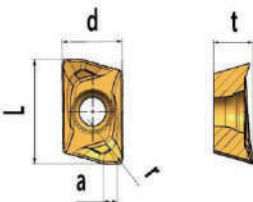
CARBIFORCE

3PKT / AXMT

3PKT Face Milling Inserts System

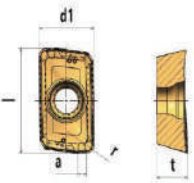
Inserts	Shape					Introduce					
						- Flat-mounted Positive 3-edge Inserts. - Large Positive Front Angle ,Cutting Light. - Cutter Head Suitable For 90°main declination design.					
Insert size	Size (mm)					Grade					
	IC	S	APMAX	BS	RE	CT7310	CT7410	CT8320	CT8520	CT9330	CT9530
3PKT 100404R-M	6.9	4.0	7.0	0.5-1.3	0.4	○	●	●	●		●
3PKT 100408R-M	6.9	4.0	7.0	0.5-1.3	0.8	○	●	●	●		●
3PKT 100404R-ML	6.9	4.0	7.0	0.5-1.3	0.4	○	●	●	●		●
3PKT 100408R-ML	6.9	4.0	7.0	0.5-1.3	0.8	○	●	●	●		●
3PKT 150508R-M	10.7	5.0	11.0	0.5-2.0	0.8	○	●	●	●		16
3PKT 150508R-ML	10.7	5.0	11.0	0.5-2.0	0.8	○	●	●	●		16
3PKT 190608R-M	13.5	6.0	15.0	0.5-2.0	0.8	○	●	●	●		16

AXMT Face Milling Inserts System

Inserts	Shape							Introduce					
								- Flat-mounted Positive 2-edge Inserts. - Large Positive Front Angle ,Cutting Light. - Cutter Head Suitable For 90°main declination design.					
Insert size	Flute length	Size (mm)						Grade					
		d	ap	L	t	a	r	CT7310	CT7410	CT8320	CT8520	CT9330	CT9530
AXMT 060204R-EM	06	4.15	5.5	6.7	2.6	0.83-1.0	0.4	○	●	●	●		12
AXMT 060208R-EM	06	4.15	5.5	6.7	2.6	0.83-1.0	0.8	○	●	●	●		12

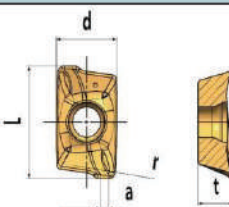
APMT / APKT

APMT Face Milling Inserts System

Inserts	Shape							Introduce					
								• Flat-mounted Positive 2-edge Inserts. • Large Positive Front Angle ,Cutting Light. • Cutter Head Suitable For 90° main declination design.					
Insert size	Flute length	Size (mm)						Grade					
		d	ap	L	t	a	r	CT7310	CT7410	CT8320	CT8520	CT8330	CT9530
APMT 1135PDER	11	6.24	9.5	11.27	3.5	1.2	0.8	○	●	●	●		5.8

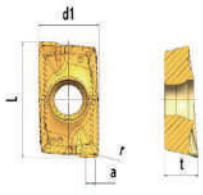
© This blade fits with the tool on Page C21

APKT Face Milling Inserts System

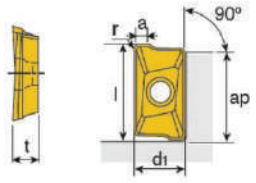
Inserts	Shape							Introduce					
								• Flat-mounted Positive 2-edge Inserts. • Large Positive Front Angle ,Cutting Light. • Cutter Head Suitable For 90° main declination design.					
Insert size	Flute length	Size (mm)						Grade					
		L	d	t	r	a	ap	CT7310	CT7410	CT8320	CT8520	CT8330	CT9530
APKT 1204PER-EM	12	14.6	0.8	4.9	0.8	0.9-2.1	11.8-12.5	○	●	●	●		12

APMT / APKT

APMT Face Milling Inserts System

Inserts	Shape							Introduce					
								• Flat-mounted Positive 2-edge Inserts. • Large Positive Front Angle ,Cutting Light. • Cutter Head Suitable For 90°main declination design.					
Insert size	Flute	Size (mm)						Grade					
		d1	ap	L	t	a	r	CT7310	CT7410	CT6320	CT8520	CT9330	CT9530
APMT 1604PDER	16	9.33	13	17.15	5.26	1.6	0.8	○	●	●	●		8

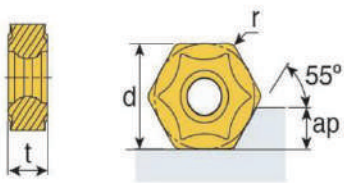
APKT Face Milling Inserts System

Inserts	Shape							Introduce					
								• Flat-mounted Positive 2-edge Inserts. • Large Positive Front Angle ,Cutting Light. • Cutter Head Suitable For 90°main declination design.					
Insert size	Flute	Size (mm)						Grade					
		d1	ap	L	t	a	r	CT7310	CT7410	CT8320	CT8520	CT9330	CT9530
APKT 1705PER-EM	17	10.7	16.1	18.5	5.56	0.9-3.17	0.8	○	●	●	●		18
APKT 170516R-EM	17	10.7	16.1	18.5	5.56	0.9-3.17	1.6	○	●	●	●		18

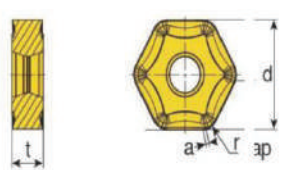
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HNMX

HNMX Face Milling Inserts

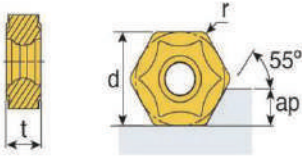
Inserts	Shape											
												
Insert size	Flute	Size (mm)					Grade					
		d	t	ap	r	a	CT7310	CT7410	CT8320	CT8520	CT9330	CT9530
HNMX 050410-MM	05	12.7	5.0	5.0	1.0	1.0	○	●	●	●		●

HNHX Face Milling Inserts

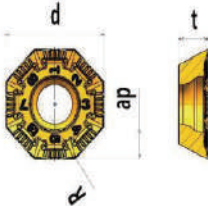
Inserts	Shape										
											
Insert size	Flute	Size (mm)				Grade					
		d	t	ap	r	CT7310	CT7410	CT8320	CT8520	CT9330	CT9530
HNHX 1006ANTN-M	10	19.05	6.35	6.1	1.0	○	●	●	●		●

MF80 / OFMT

MF80 Face Milling Inserts

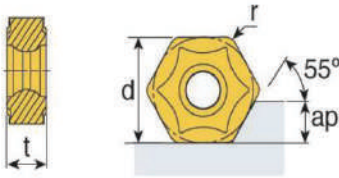
Inserts	Shape									
										
Insert size	Size (mm)					Grade				
	d	t	R	a		CT7310	CT7410	CT8320	CT8520	CT9330
MF80 130508M-M50	13.0	5.55	0.8	1.75		○	●	●	●	●

OFMT Face Milling Inserts

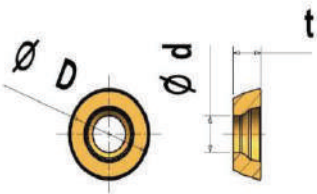
Inserts	Shape									
										
Insert size	Flute	Angle (°)	Size (mm)				Grade			
			d	t	r	ap	CT7310	CT7410	CT8320	CT8520
OFMT05T3TN-ML	05	43	12.7	3.76	0.5	3.5	○	●	●	●

RPMT / RDMX

RPMT Circular Inserts

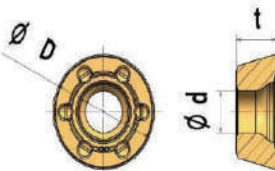
Inserts	Shape										
											
Insert size	Flute	Size (mm)				Grade					
		d	t	r	ap	CT7310	CT7410	CT8320	CT8520	CT9330	CT9530
RPMT0802M-C	08	8	2.8	4	4	○	●	●	●		5.6
RPMT10T3M0	10	10	3.97	5	5	○	●	●	●		5.6
RPMW1003M0	10	10	3.18	5	5	○	●	●	●		5.6
RPMT1204M-C	12	12	4.76	6	6	○	●	●	●		7

RDMX Circular Inserts

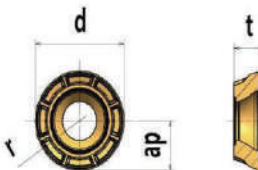
RDMX Circular Inserts											
Inserts	Shape										
											
Insert size	Flute	Size (mm)				Grade					
		d	t	r	ap	CT7310	CT7410	CT8320	CT8520	CT9330	CT9530
RDMX0501-M	05	5	1.5	2.5	2.5	○	●	●	●		14
RDMX0702-M	07	7	2.38	3.5	3.5	○	●	●	●		14

RDMW / RXMX

RDMW Circular Inserts

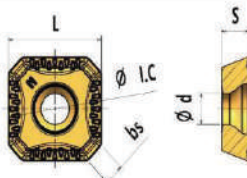
RDMW Circular Inserts											
Inserts		Shape									
											
Insert size	Flute	Size (mm)				Grade					
		d	t	r	ap	CT7310	CT7410	CT8320	CT8520	CT9330	CT9530
RDMW1204-PM	12	12	4.76	6	6	○	●	●	●		7

RXMX Circular Inserts

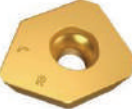
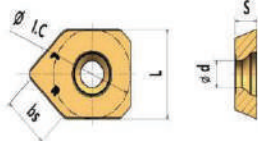
RXMX Circular Inserts											
Inserts		Shape									
											
Insert size	Flute	Size (mm)				Grade					
		d	t	r	ap	CT7310	CT7410	CT8320	CT8520	CT9330	CT9530
RXMX1003-M	10	10	3.18	5	5	○	●	●	●		14

SEKT

SEKT Face Milling Inserts

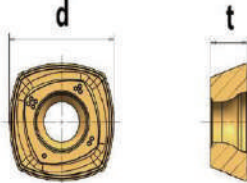
SEKT Face Milling Inserts												
Inserts	Shape											
												
Insert size	Flute	Size (mm)					Grade					
		L	Φ I.C	S	Φ d	bs	CT7310	CT7410	CT8320	CT8520	CT8330	CT8530
SEKT12T3AFTN-M	12	13.2	13.2	3.8	3.95	2.55	○	●	●	●		9

SEKT Face Milling Inserts

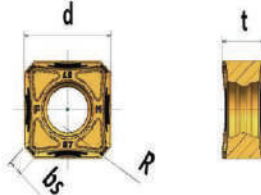
Inserts	Shape											
												
Insert size	Flute	Size (mm)					Grade					
		L	ΦI.C	S	Φd	bs	CT7310	CT7410	CT8320	CT8520	CT8330	CT8530
SEKT12T3AFTN-WC	12	13.15	13.15	3.74	3.95	7.56	○	●	●	●		●

SDMT / SNMX

SDMT Fast Feed Inserts

Inserts	Shape										
											
Insert size	Flute	Size (mm)				Grade					
		d	t			CT7310	CT7410	CT8320	CT8520	CT9330	CT9530
SDMT120512-PM	12	12.70	5.56			○	●	●	●		10.6
SDMT150512-PM	15	15.875	5.56			○	●	●	●		10.6

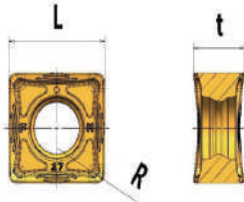
SNMX Face Milling Inserts

SNMX Face Milling Inserts											
Inserts		Shape									
											
Insert size	Flute	Size (mm)				Grade					
		d	t	R	bs	CT7310	CT7410	CT8320	CT8520	CT9330	CT9530
SNMX1205ANN-F57	12	12.7	6.2	0.8	1.5			●	●		15

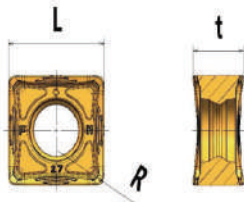
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SNMX

SNMX Face Milling Inserts

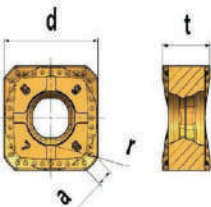
Inserts	Shape											
												
Insert size	Flute	Angle (°)	Size (mm)				Grade					
			L	t	R		CT 7310	CT 7410	CT 8320	CT 8520	CT 9330	CT 9530
SNMX1205ZNN-F27	12	88	12.7	6.75	0.8		○	●	●	●		12
SNMX1205ZNN-F57	12	88	12.7	6.75	0.8		○	●	●	●		12
SNMX1205ZNN-F67	12	88	12.7	6.75	0.8		○	●	●	●		12

SNMX Face Milling Inserts

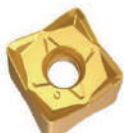
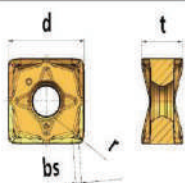
SNMX Face Milling Inserts											
Inserts	Shape										
											
Insert size	Flute	Size (mm)				Grade					
		L	t	R		CT7310	CT7410	CT8320	CT8520	CT9330	CT9530
SNMX120512-F57	12	12.7	6.3	1.2		○	●	●	●		15

SNMX / SNMU

SNMX Face Milling Inserts

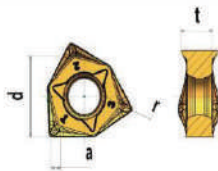
Inserts	Shape									
										
Insert size	Size (mm)					Grade				
	d	t	a	ap	r	CT7310	CT7410	CT8320	CT8520	CT8330 CT8530
SNMX1306ANTN-M	13.5	6.8	2.2	7	0.4	○	●	●	●	20

SNMU Face Milling Inserts

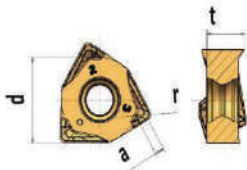
Square Face Milling Inserts													
Inserts	Shape												
													
Insert size	Flute	Angle (°)	Size (mm)					Grade					
			d	t	r	a	ap	CT7310	CT7410	CT8320	CT8520	CT9330	CT9530
SNMU130508EN-GM	13	88	13	5.51	0.8	1	5	○	●	●	●		20

WNMU/WNMX

WNMU Face Milling Inserts

Inserts	Shape												
													
Insert size	Flute	Angle (°)	Size (mm)					Grade					
			d	t	r	a	ap	CT7310	CT7410	CT6320	CT6520	CT6330	CT9530
WNMU080604EN-GM	08	90	14.02	6.65	0.4	1.7	8	○	●	●	●		18
WNMU080608EN-GM	08	90	14.02	6.65	0.8	1.3	8	○	●	●	●		18

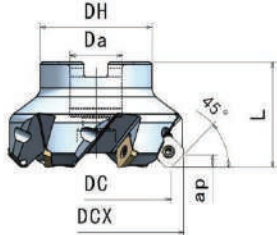
WNMX Face Milling Inserts

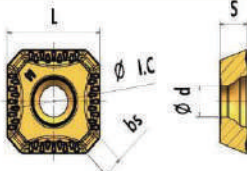
Inserts	Shape										
											
Insert size	Flute	Size (mm)				Grade					
		d	r	s	a	CT7310	CT7410	CT6320	CT6520	CT6330	CT9530
WNMX 080608-ML	08	12.5	0.8	6.35	1.5	○	●	●	●		20

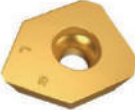
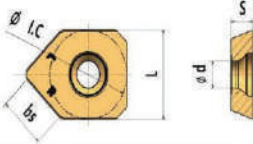
CARBIFORCE

SE System: WFM45SE

Kr: 45°

									
Code		Size (mm)					Shank Type		Suitable insert
		DC	DCX	Da	L	ap			
WFM45SE-450A22R-12	4	50	62	22	40	6	A	0.3	SEKT 12T3
WFM45SE-563A22R-12	5	63	75	22	40	6	A	0.5	
WFM45SE-680A27R-12	6	80	92	27	50	6	A	1.2	
WFM45SE-7100B32R-12	7	100	112	32	50	6	B	1.2	
WFM45SE-8125B40R-12	8	125	137	40	63	6	B	2.6	
WFM45SE-10160C40R-12	10	160	172	40	63	6	C	4.3	
WFM45SE-12200C60R-12	12	200	212	60	63	6	C	7.6	
WFM45SE-14250C60R-12	14	250	262	60	63	6	C	13.5	

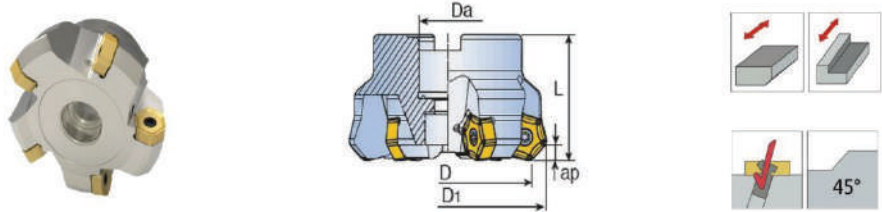
												
Insert size	Flute	Size (mm)					Grade					
		L	Φ I.C	S	Φ d	bs	CT 7310	CT 7410	CT 6320	CT 6520	CT 9330	CT 9530
SEKT12T3AFTN-M	12	13.2	13.2	3.8	3.95	2.55	○	●	●	●		●

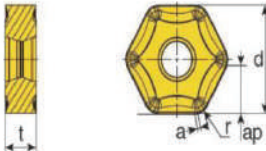
												
Insert size	Flute	Size (mm)					Grade					
		L	Φ I.C	S	Φ d	bs	CT7310	CT7410	CT6320	CT6520	CT9330	CT6530
SEKT12T3AFTN-WC	12	13.15	13.15	3.74	3.95	7.56	○	●	●	●		●

Code	Screw	Key
		
WFM45SE	CSC3580	CTS15W

HN System:TFM45HNS

Kr: 45°

									
Code		Size (mm)					Shank Type	Kg	Suitable insert
		D	D1	Da	L	ap			
TFM45HNS-563-22R-10	5	63	77	22	50	6.1	A	0.8	HNKX 1006
TFM45HNS-663-22R-10	6	63	77	22	50	6.1	A	0.9	
TFM45HNS-680-27R-10	6	80	94	27	55	6.1	A	1.6	
TFM45HNS-780-27R-10	7	80	94	27	55	6.1	A	1.6	
TFM45HNS-7100-32R-10	7	100	114	32	63	6.1	B	2.7	
TFM45HNS-9100-32R-10	9	100	114	32	63	6.1	B	2.8	
TFM45HNS-8125-40R-10	8	125	139	40	63	6.1	B	3.4	
TFM45HNS-10125-40R-10	10	125	139	40	63	6.1	B	3.4	
TFM45HNS-12125-40R-10	12	125	139	40	63	6.1	B	3.4	
TFM45HNS-10160-40R-10	10	160	174	40	63	6.1	C	4.8	
TFM45HNS-12160-40R-10	12	160	174	40	63	6.1	C	4.8	
TFM45HNS-14160-40R-10	14	160	174	40	63	6.1	C	4.9	
TFM45HNS-12200-60R-10	12	200	214	60	63	6.1	C	6.9	
TFM45HNS-16200-60R-10	16	200	214	60	63	6.1	C	7.0	
TFM45HNS-16250-60R-10	16	250	264	60	63	6.1	C	11.8	
TFM45HNS-20250-60R-10	20	250	264	60	63	6.1	C	12.0	

Inserts	Shape										
											
Insert size	Flute	Size (mm)				Grade					
		d	t	ap	r	CT 7310	CT 7410	CT 8320	CT 8520	CT 9330	CT 9530
HNHX 1006ANTN-M	10	19.05	6.35	6.1	1.0						26

Code	Screw	Key
		
TFM45HNS	CSG5016	CTS20W

WFM88SN

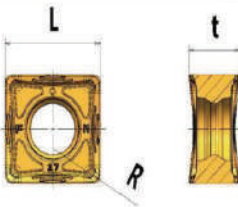


CARBIFORCE

SN System: WFM88SN

Kr: 88°

Code	Angle kr		Size (mm)				Shank type	 Kg	Suitable insert	
			DC	DCX	Da	L				
WFM88SN-450A22R-12-B	88°		4	50	51	22	40	A	0.4	SNMX1205ZNN
WFM88SN-550A22R-12			5	50	51	22	40	A	0.4	
WFM88SN-563A22R-12-B			5	63	64	22	40	A	0.6	
WFM88SN-663A22R-12			6	63	64	22	40	A	0.6	
WFM88SN-680A27R-12-B			6	80	81	27	50	A	1.3	
WFM88SN-780A27R-12			7	80	81	27	50	A	1.3	
WFM88SN-980A27R-12			9	80	81	27	50	A	1.3	
WFM88SN-7100B32R-12-B			7	100	101	32	50	B	1.8	
WFM88SN-8100B32R-12			8	100	101	32	50	B	1.8	
WFM88SN-11100B32R-12			11	100	101	32	50	B	1.8	
WFM88SN-10125B40R-12			10	125	125.9	40	63	B	2.9	
WFM88SN-14125B40R-12			14	125	125.9	40	63	B	2.9	
WFM88SN-12160C40R-12			12	160	160.8	40	63	C	4.3	
WFM88SN-18160C40R-12			18	160	160.8	40	63	C	4.3	
WFM88SN-14200C60R-12			14	200	200.8	60	63	C	6.2	
WFM88SN-22200C60R-12			22	200	200.8	60	63	C	6.2	

Inserts	Shape											
												
Insert size	Flute	Angle (°)	Size (mm)			Grade						Screw/Key
			L	t	R	CT 7310	CT 7410	CT 8320	CT 8520	CT 9330	CT 9530	
SNMX1205ZNN-F27	12	88	12.7	6.75	0.8	○	●	●	●		●	CST4010 CTS15W
SNMX1205ZNN-F57	12	88	12.7	6.75	0.8	○	●	●	●		●	
SNMX1205ZNN-F67	12	88	12.7	6.75	0.8	○	●	●	●		●	

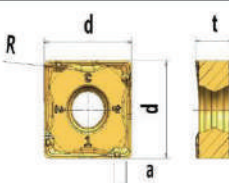
CARBIFORCE

SN System: WFM89.5M80

Kr: 89.5°

WFM89.5M80

Code		Size (mm)					Shank type	 Kg	Suitable insert
		DC	Da	L	ap	DH			
WFM89.5MF80-563A22R-13	5	63	22	40	10	42	A	0.45	MF80 1305
WFM89.5MF80-680A27R-13	6	80	27	50	10	50	A	0.78	
WFM89.5MF80-880A27R-13	8	80	27	50	10	50	A	0.80	
WFM89.5MF80-8100B32R-13	8	100	32	50	10	61	B	1.10	
WFM89.5MF80-10100B32R-13	10	100	32	50	10	61	B	1.20	
WFM89.5MF80-10125B40R-13	10	125	40	63	10	73	B	1.70	
WFM89.5MF80-12125B40R-13	12	125	40	63	10	73	B	1.80	

Inserts	Shape										
											
Insert size	Size (mm)					Grade					
	d	t	R	a		CT7310	CT7410	CT6320	CT6520	CT9330	CT9530
MF80 130508M-M50	13.0	5.55	0.8	1.75		○	●	●	●		20

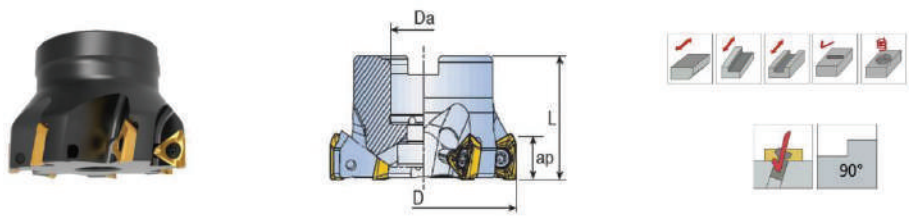
配件

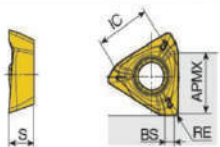
Code	Screw 	Key 	Shim 	Shim screw 	Key 
WFM89.5MF80	CSG4013-P	CTS15W-P	5532-472-04	CSD6040	CBL40

CARBIFORCE

3P System: 3P WFM90

Kr: 90°

								
Code		Size (mm)				Shank type		Suitable insert
		D	Da	L	ap			
3P WFM90-450A22R-15	4	50	22	40	11	A	0.3	3PKT 1505
3P WFM90-550A22R-15	5	50	22	40	11	A	0.3	
3P WFM90-463A22R-15-B	4	63	22	40	11	A	0.5	
3P WFM90-663A22R-15	6	63	22	40	11	A	0.5	
3P WFM90-480A27R-15-B	4	80	27	50	11	A	1.0	
3P WFM90-780A27R-15	7	80	27	50	11	A	1.0	
3P WFM90-880A27R-15	8	80	27	50	11	A	1.0	
3P WFM90-6100A32R-15-B	6	100	32	50	11	B	1.8	
3P WFM90-8100A32R-15	8	100	32	50	11	B	1.9	
3P WFM90-10100A32R-15	10	100	32	50	11	B	1.9	
3P WFM90-7125A40R-15-B	7	125	40	63	11	B	3.0	
3P WFM90-10125A40R-15	10	125	40	63	11	B	3.1	
3P WFM90-12125A40R-15	12	125	40	63	11	B	3.1	
3P WFM90-12160C40R-15	12	160	40	63	11	C	4.4	
3P WFM90-15160C40R-15	15	160	40	63	11	C	4.4	
3P WFM90-15200C60R-15	15	200	60	63	11	C	6.0	
3P WFM90-18200C60R-15	18	200	60	63	11	C	5.8	

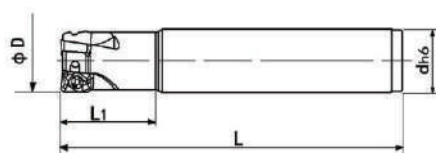
Inserts	Shape										
											
Insert size	Size (mm)					Grade					
	IC	S	APMAX	BS	RE	CT 7310	CT 7410	CT 8320	CT 8520	CT 9330	CT 9530
3PKT 150508R-M	10.7	5.0	11.0	0.5-2.0	0.8	○	●	●	●		16
3PKT 150508R-ML	10.7	5.0	11.0	0.5-2.0	0.8	○	●	●	●		16

Code	Screw	Key
		
3P WFM90	CST4010	CTS15W

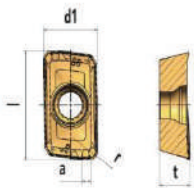
CARBIFORCE

BAP300R System

Kr: 90°



Code		Size (mm)				Suitable insert
		D	d	L1	L	
BAP300R-16-130-2T	2	16	16	40	130	APMT 1135
BAP300R-16-160-2T	2	16	16	40	160	
BAP300R-16-200-2T	2	16	16	100	200	
BAP300R-16-160-C15-2T	2	16	15	40	160	
BAP300R-17-160-C16-2T	2	17	16	40	160	
BAP300R-17-200-C16-2T	2	17	16	40	200	
BAP300R-20-130-2T	2	20	20	40	130	
BAP300R-20-160-2T	2	20	20	50	160	
BAP300R-20-200-2T	2	20	20	100	200	
BAP300R-20-200-C19-2T	2	20	19	40	200	
BAP300R-21-160-C20-2T	2	21	20	40	160	
BAP300R-21-200-C20-2T	2	21	20	40	200	
BAP300R-25-120-3T	3	25	25	40	120	
BAP300R-25-160-3T	3	25	25	50	160	
BAP300R-25-200-3T	3	25	25	100	200	

Inserts	Shape												
													
Inserts size	Flute	Size (mm)						Grade					
		d	ap	L	t	a	r	CT 7310	CT 7410	CT 8320	CT 8520	CT 8330	CT 8530
APMT 1135PDER	11	6.24	9.5	11.27	3.5	1.2	0.8	○	●	●	●		6

Code	Screw	Key
		
BAP300R	CSG2565-P	CTS08W-P

CARBIFORCE

BAP400R System

Kr: 90°



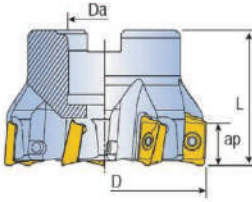
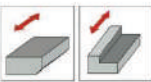
Code		Size (mm)				Suitable insert
		D	d	L	L1	
BAP400R-25-160-2T	2	25	25	160	50	APMT 1604
BAP400R-25-200-2T	2	25	25	200	75	
BAP400R-25-250-2T	2	25	25	250	115	
BAP400R-25-160-C24-2T	2	25	24	160	40	
BAP400R-25-200-C24-2T	2	25	24	200	50	
BAP400R-26-160-C25-2T	2	26	25	160	40	
BAP400R-26-200-C25-2T	2	26	25	200	50	
BAP400R-26-250-C25-2T	2	26	25	250	50	
BAP400R-32-160-2T	2	32	32	160	50	
BAP400R-32-200-2T	2	32	32	200	75	
BAP400R-32-250-2T	2	32	32	250	115	
BAP400R-32-300-2T	2	32	32	300	115	
BAP400R-32-160-3T	3	32	32	160	50	
BAP400R-32-200-3T	3	32	32	200	75	
BAP400R-32-250-3T	3	32	32	250	115	
BAP400R-35-160-C32-3T	3	35	32	160	60	
BAP400R-35-200-C32-3T	3	35	32	200	60	
BAP400R-35-250-C32-3T	3	35	32	250	60	
BAP400R-35-300-C32-3T	3	35	32	300	60	
BAP400R-35-350-C32-3T	3	35	32	350	60	
BAP400R-35-400-C32-3T	3	35	32	400	60	
BAP400R-40-200-C32-3T	3	40	32	200	50	
BAP400R-40-250-C32-3T	3	40	32	250	50	
BAP400R-40-300-C32-3T	3	40	32	300	50	
BAP400R-40-350-C32-3T	3	40	32	350	50	
BAP400R-40-400-C32-3T	3	40	32	400	50	
BAP400R-40-200-C32-4T	4	40	32	200	50	
BAP400R-40-250-C32-4T	4	40	32	250	50	
BAP400R-40-300-C32-4T	4	40	32	300	50	

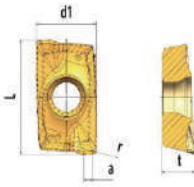
Code	Screw	Key
		
BAP400R	CSG4011-P	CTS15W-P

CARBIFORCE

BAP400R System

Kr: 90°

   							
Code		Size (mm)				Shank type	Suitable insert
		D	Da	L	ap		
BAP400R-50-22R-4T	4	50	22	40	13	A	APMT 1604
BAP400R-63-22R-4T	4	63	22	40	13	A	
BAP400R-63-22R-5T	5	63	22	40	13	A	
BAP400R-80-27R-5T	5	80	27	50	13	A	
BAP400R-80-32R-6T	6	80	32	50	13	A	
BAP400R-100-32R-6T	6	100	32	50	13	A	
BAP400R-100-40R-8T	8	100	40	50	13	A	
BAP400R-125-40R-7T	7	125	40	63	13	B	
BAP400R-125-40R-8T	8	125	40	63	13	B	
BAP400R-160-40R-8T	8	160	40	63	13	C	
BAP400R-160-40R-10T	10	160	40	63	13	C	

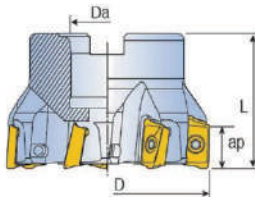
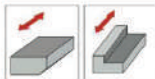
Inserts		Shape											
													
Insert size	Flute	Size (mm)						Grade					
		d1	ap	L	t	a	r	CT 7310	CT 7410	CT 8320	CT 8520	CT 9330	CT 9530
APMT 1604PDER	16	9.33	13	17.15	5.26	1.6	0.8	□	●	●	●		8

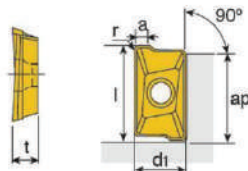
Code	Screw	Key
		
BAP400R	CSG4011-P	CTS15W-P

CARBIFORCE

AP System: TFM90AP

Kr: 90°

   		Size (mm)				Shank type	Kg	Suitable insert
Code		D	Da	L	ap			
TFM90AP 350-22R-17-B	3	50	22	40	16.1	A	0.4	APKT 1705
TFM90AP 450-22R-17-B	4	50	22	40	16.1	A	0.3	
TFM90AP 550-22R-17	5	50	22	40	16.1	A	0.4	
TFM90AP 463-22R-17-B	4	63	22	40	16.1	A	0.5	
TFM90AP 663-22R-17	6	63	22	40	16.1	A	0.5	
TFM90AP 480-27R-17-B	4	80	27	50	16.1	A	0.8	
TFM90AP 680-27R-17	6	80	27	50	16.1	A	0.9	
TFM90AP 780-27R-17	7	80	27	50	16.1	A	0.9	
TFM90AP 6100-32R-17-B	6	100	32	50	16.1	B	1.3	
TFM90AP 8100-32R-17	8	100	32	50	16.1	B	1.5	
TFM90AP 7125-40R-17-B	7	125	40	63	16.1	B	2.9	
TFM90AP 8125-40R-17	8	125	40	63	16.1	B	3.0	
TFM90AP 9125-40R-17	9	125	40	63	16.1	B	3.1	
TFM90AP 8160-40R-17-B	8	160	40	63	16.1	C	4.1	
TFM90AP 10160-40R-17	10	160	40	63	16.1	C	4.2	
TFM90AP 12200-60R-17	12	200	60	63	16.1	C	6.1	

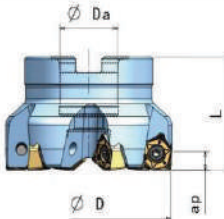
Inserts	Shape												
													
Insert size	Flute	Size (mm)						Grade					
		d1	ap	L	t	a	r	CT7310	CT7410	CT8320	CT8520	CT8330	CT8530
APKT 1705PER-EM	17	10.7	16.1	18.5	5.56	0.9-3.17	0.8	○	●	●	●		18
APKT 170516R-EM	17	10.7	16.1	18.5	5.56	0.9-3.17	1.6	○	●	●	●		18

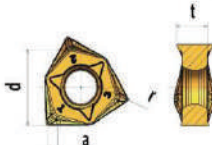
Code	Screw	Key
TFM90AP	 CSG4011-P	 CTS15W-P

CARBIFORCE

WN System: WFM90WN

Kr: 90°

								
Code		Size (mm)				Shank type		Suitable insert
		D	Da	L	ap			
WFM90WN-363A22R-08	3	63	22	40	8	A	0.5	WNMU 0806
WFM90WN-463A22R-08	4	63	22	40	8	A	0.5	
WFM90WN-563A22R-08	5	63	22	40	8	A	0.5	
WFM90WN-480A27R-08	4	80	27	50	8	A	1.0	
WFM90WN-580A27R-08	5	80	27	50	8	A	1.0	
WFM90WN-780A27R-08	7	80	27	50	8	A	1.0	
WFM90WN-5100B32R-08	5	100	32	50	8	B	1.3	
WFM90WN-7100B32R-08	7	100	32	50	8	B	1.3	
WFM90WN-9100B32R-08	9	100	32	50	8	B	1.3	
WFM90WN-6125B40R-08	6	125	40	63	8	B	2.5	
WFM90WN-8125B40R-08	8	125	40	63	8	B	2.6	
WFM90WN-12125B40R-08	12	125	40	63	8	B	2.6	
WFM90WN-8160C40R-08	8	160	40	63	8	C	3.8	
WFM90WN-10160C40R-08	10	160	40	63	8	C	3.9	
WFM90WN-14160C40R-08	14	160	40	63	8	C	3.9	
WFM90WN-10200C60R-08	10	200	60	63	8	C	6.0	
WFM90WN-12200C60R-08	12	200	60	63	8	C	6.3	
WFM90WN-16200C60R-08	16	200	60	63	8	C	6.4	
WFM90WN-12250C60R-08	12	250	60	63	8	C	8.4	
WFM90WN-14250C60R-08	14	250	60	63	8	C	8.7	
WFM90WN-18250C60R-08	18	250	60	63	8	C	8.8	

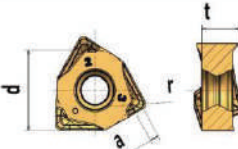
Inserts		Shape												
														
Insert size	Flute	Angle (°)	Size (mm)					Grade						Screw/Key
			d	t	r	a	ap	CT79310	CT79410	CT8320	CT8520	CT89330	CT89530	
WNMU080604EN-GM	08	90	14.02	6.65	0.4	1.7	8	○	●	●	●		●	CSY5012 CTS20W
WNMU080608EN-GM	08	90	14.02	6.65	0.8	1.3	8	○	●	●	●		●	

CARBIFORCE

WN System: CFM90WN

Kr: 90°

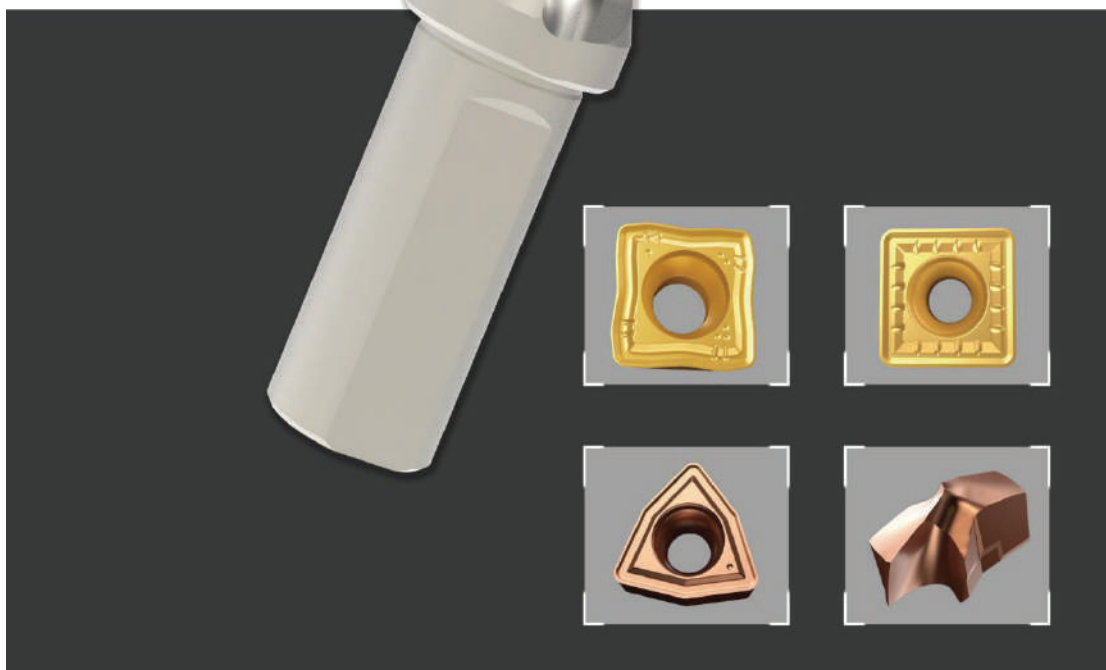
Code		Size (mm)				Shank type	Kg	Suitable insert
		D	Da	L	ap			
CFM90WN-450A22R-08	4	50	22	40	7.5	A	0.3	WNHX 0806
CFM90WN-550A22R-08	5	50	22	40	7.5	A	0.3	
CFM90WN-463A22R-08	4	63	22	40	7.5	A	0.4	
CFM90WN-663A22R-08	6	63	22	40	7.5	A	0.4	
CFM90WN-763A22R-08	7	63	22	40	7.5	A	0.4	
CFM90WN-663A27R-08	6	63	27	40	7.5	A	0.4	
CFM90WN-763A27R-08	7	63	27	40	7.5	A	0.4	
CFM90WN-580A27R-08	5	80	27	50	7.5	A	1.0	
CFM90WN-780A27R-08	7	80	27	50	7.5	A	1.0	
CFM90WN-980A27R-08	9	80	27	50	7.5	A	1.0	
CFM90WN-6100B32R-08	6	100	32	50	7.5	B	1.5	
CFM90WN-8100B32R-08	8	100	32	50	7.5	B	1.5	
CFM90WN-11100B32R-08	11	100	32	50	7.5	B	1.5	
CFM90WN-7125B40R-08	7	125	40	63	7.5	B	2.8	
CFM90WN-11125B40R-08	11	125	40	63	7.5	B	2.8	
CFM90WN-14125B40R-08	14	125	40	63	7.5	B	2.8	
CFM90WN-12160C40R-08	12	160	40	63	7.5	C	4.8	
CFM90WN-16160C40R-08	16	160	40	63	7.5	C	4.8	

Inserts	Shape										
											
Insert size	Flute	Size (mm)				Grade					
		d	r	s	a	CT7310	CT7410	CT8320	CT8520	CT8330	CT9530
WNMX 080608-ML	08	12.48	0.8	6.35	1.2-2.0	○	●	●	●		14

Code	Screw	Key
		
CFM90WN	CSG4013-P	CTS15W-P

CARBIFORCE DRILLING SERIES

DRILLING SERIES



DRILLING CATALOG

DRILL BLADE
BRAND DESCRIPTION

DRILLS
SOMT/SPMG/XCMT/WCMX

DRILL SHANK
INDEXABLE DRILL BIT HOLDER

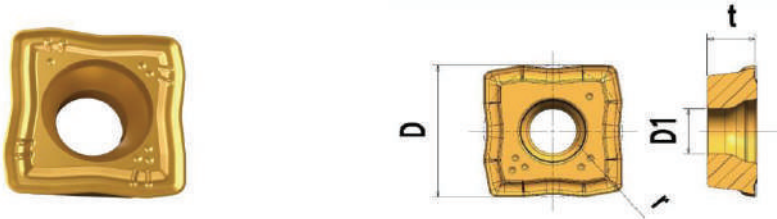
TOP
Large diameter can be converted into drill bit tool holder
TDR

MULTIFUNCTIONAL TOOL HOLDER
TCP

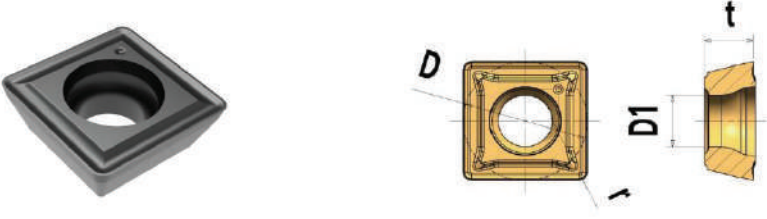


Drilling Inserts

SOMT Inserts

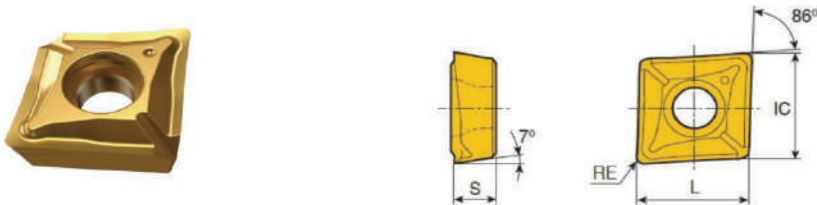
										
Code	Size (mm)				P			M/S		K
					CT9320	CT9420	CT9520	CT9630	CT9530	
	D	t	r	D1						
SOMT 050204-DP	4.9	2.38	0.4	2.25	●			●	●	13
SOMT 060204-DP	5.7	2.38	0.4	2.60	●			●	●	14
SOMT 070306-DP	6.8	2.80	0.6	2.60	●			●	●	16
SOMT 08T306-DP	7.9	3.97	0.6	2.85	●			●	●	16
SOMT 09T308-DP	9.2	3.97	0.8	3.80	●			●	●	18
SOMT 11T308-DP	11.0	3.97	0.8	3.80	●			●	●	20
SOMT 130408-DP	12.8	4.40	0.8	4.40	●			●	●	22
SOMT 150510-DP	15.0	4.80	1.0	5.40	●			●	●	31

SPMG Inserts

										
Code	Size (mm)				P			M/S		K
					CT9320	CT9420	CT9520	CT9630	CT9530	
	D	t	r	D1						
SPMG 050204-DG	5.00	2.38	0.4	2.25	●	●	●		●	6.4
SPMG 060204-DG	6.00	2.38	0.4	2.61	●	●	●		●	6.4
SPMG 07T308-DG	7.94	3.97	0.8	2.85	●	●	●		●	7.2
SPMG 090408-DG	9.80	4.30	0.8	4.05	●	●	●		●	8.4
SPMG 110408-DG	11.5	4.80	0.8	4.45	●	●	●		●	10

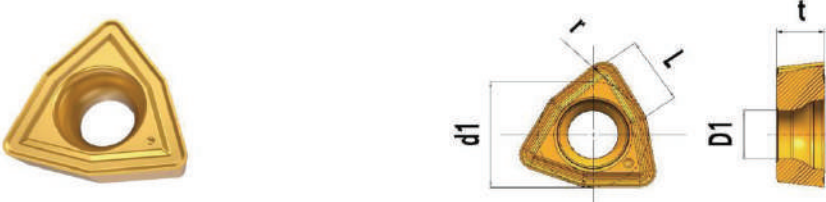
Drilling Inserts

XCMT Inserts



Code	Size (mm)				Cutting		Drilling	P	M/S	
	IC	L	S	RE	Depth mm	Feed mm/rev			CT8320	CT9330
XCMT 040104R	4.4	6.4	1.70	0.4	0.2-1.8	0.02-0.15	0.02-0.09	●	●	12
XCMT 040104L	4.4	6.4	1.70	0.4	0.2-1.8	0.02-0.15	0.02-0.09	●	●	12
XCMT 050204	5.6	5.6	2.10	0.4	0.2-2.2	0.03-0.18	0.02-0.11	●	●	12
XCMT 060204	6.4	6.4	2.38	0.4	0.3-2.5	0.03-0.20	0.03-0.12	●	●	12
XCMT 070304	7.5	7.5	3.18	0.4	0.4-2.8	0.05-0.22	0.03-0.13	●	●	12
XCMT 080304	8.4	8.4	3.18	0.4	0.4-3.2	0.06-0.25	0.03-0.13	●	●	12
XCMT 10T304	10.5	10.5	3.97	0.4	0.5-3.5	0.06-0.30	0.03-0.13	●	●	16
XCMT 10T308	10.5	10.5	3.97	0.8	0.5-3.5	0.06-0.30	0.03-0.13	●	●	16
XCMT 130404	13.4	13.4	4.76	0.4	0.6-4.3	0.08-0.33	0.03-0.13	●	●	●
XCMT 130408	13.4	13.4	4.76	0.8	0.6-4.3	0.08-0.33	0.03-0.13	●	●	●
XCMT 170508	17.4	17.4	5.56	0.8	0.7-5.3	0.10-0.38	0.03-0.13	●	●	●

WCMX Inserts



Code	Size (mm)					P			M/S		K
	d1	t	r	D1	L	CT8320	CT9420	CT9520	CT8320	CT9530	
WCMX 030204	5.56	2.38	0.4	2.55	3.8	●				●	65
WCMX 030208	5.56	2.38	0.8	2.55	3.47	●				●	65
WCMX 040204	6.35	2.38	0.4	2.85	4.3	●				●	65
WCMX 040208	6.35	2.38	0.8	2.85	4.3	●				●	65
WCMX 050308	7.94	3.18	0.8	3.2	5.4	●				●	9
WCMX 06T308	9.52	3.97	0.8	3.7	6.5	●				●	95
WCMX 080412	12.70	4.76	1.2	4.3	8.7	●				●	13



Slotted Inserts Code

CNMG



EA Groove

CNMG



EM Groove

CNMG



MA Groove

CNMG



MT Groove

CNMG



PC Groove

CNMG



RT Groove

Turning Inserts : CN/DN

CNMG



TM Groove

CNMG



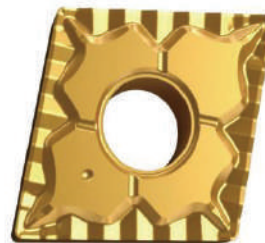
ET Groove

CNMG



Universal groove

CNMG



43 Groove

DNMG



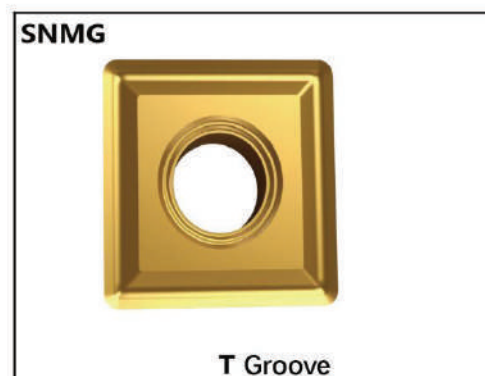
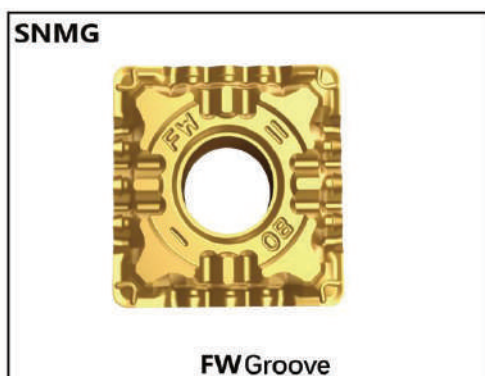
MA Groove

DNMG



TM Groove

Turning Inserts : DN/SN



Turning Inserts : SN/TN

SNMG



GZ Groove

SNMG



Universal groove

TNMG



R-VF Groove

TNMG



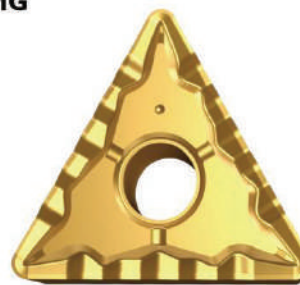
L-VF Groove

TNMG



PC Groove

TNMG



43 Groove

Turning Inserts : TN

TNMG



EA Groove

TNMG



TM Groove

TNMG



R-FS Groove

TNMG



L-FS Groove

TNMG



GM Groove

TNMG



MA Groove

Turning Inserts : TN/VN

TNMG



EM Groove

TNMG



Universal groove

VNMG



EA Groove

VNMG



EM Groove

VNMG



MA Groove

VNMG



PC Groove

Turning Inserts : VN/WN

VNMG



TM Groove

VNMG



Universal groove

WNMG



EA Groove

WNMG



EM Groove

WNMG



GF Groove

WNMG



GM Groove

Turning Inserts : WN

WNMG



MF1 Groove

WNMG



MT Groove

WNMG



MA Groove

WNMG



PC Groove

WNMG



PM Groove

WNMG

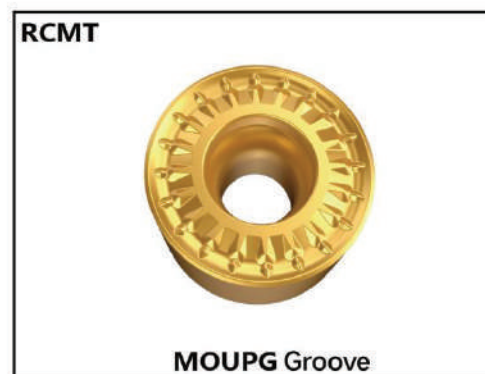
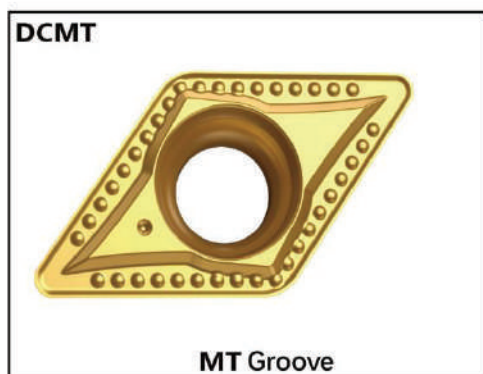
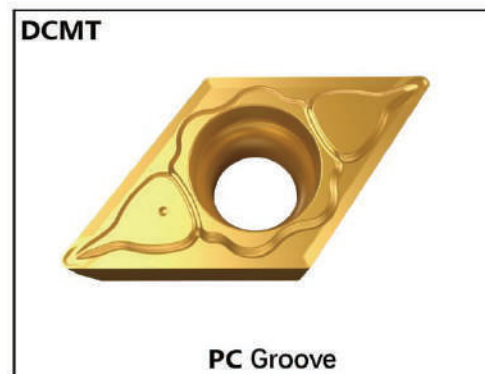
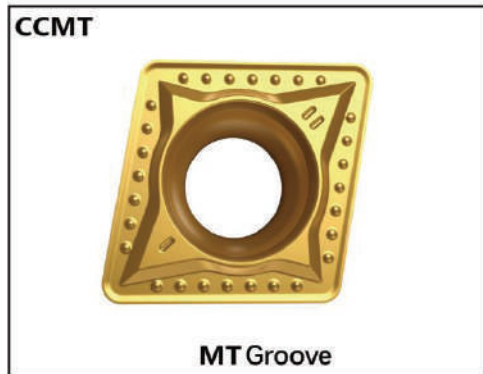


43 Groove

Turning Inserts : WN



Turning Inserts : CC/DC/RC



Turning Inserts : SC/TC/VB

SCMT



MT Groove

SCMT



PC Groove

TCMT



FA Groove

TCMT



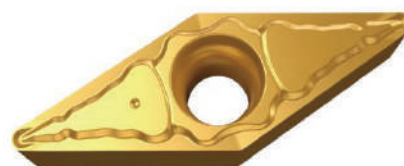
MT Groove

TCMT



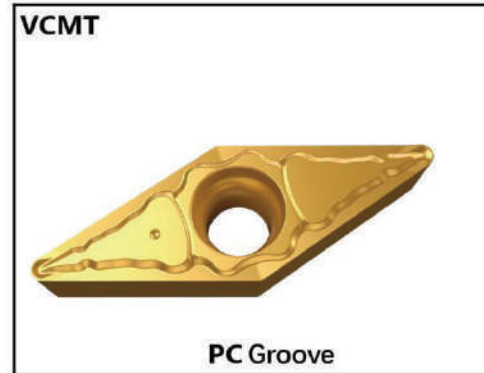
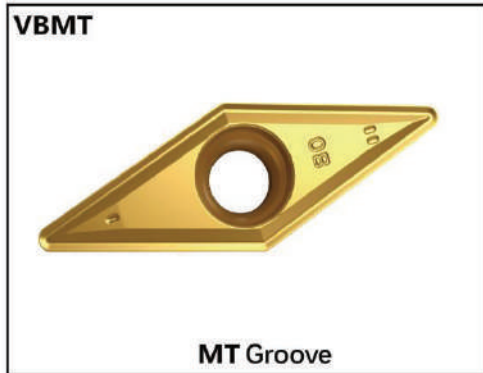
PC Groove

VBMT



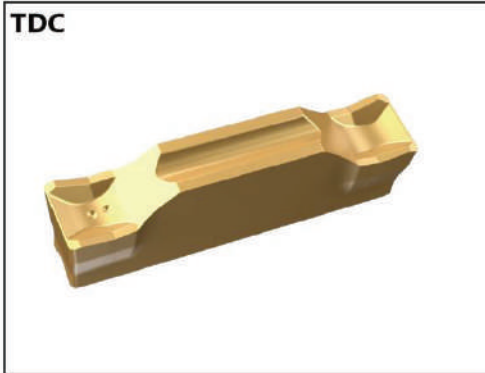
PC Groove

Turning Inserts : VB/VC

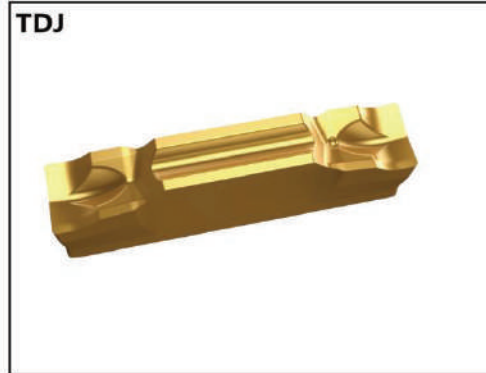


Slotted Inserts

TDC



TDJ



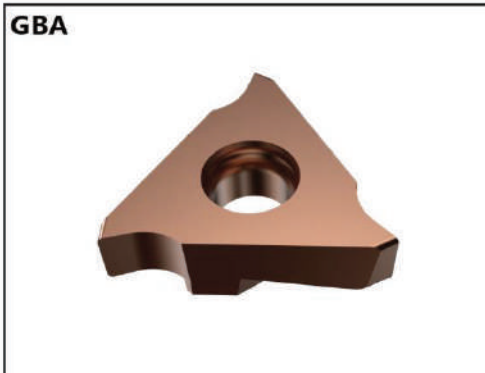
MGMN



TDT



GBA



Milling Inserts

3PKT



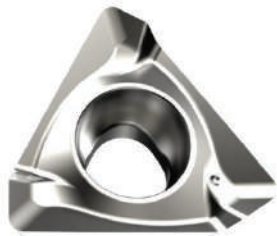
M Groove

3PKT



ML Groove

3PKT



AL Groove

AXMT 0602



EM Groove

APMT1135



APKT1204



M Groove

Milling Inserts

APMT1604



APKT1705



EM Groove

HNMX 0504



MM Groove

HNHX 1006



M Groove

MF80



M50 Groove

OFMT



ML Groove

Milling Inserts

RPMT



C Groove

RDMX



M Groove

RDMW



PM Groove

RXXMX



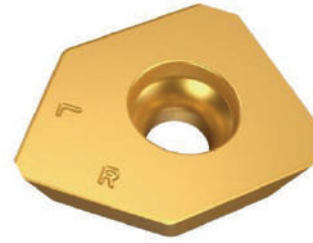
M Groove

SEKT



M Groove

SEKT



WC Groove

Milling Inserts

SDMT



PM Groove

SNMX



M Groove

SNMX



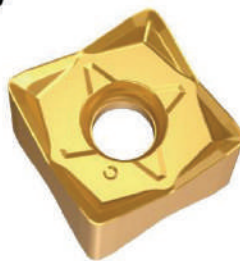
F57 Groove

SNMX



F27/F57/F67 Groove

SNMU



GM Groove

Milling Inserts



Drilling Inserts

SOMT



DP Groove

SPMG



DG Groove

XCMT



WCMX



NOTES

[illegible]

NOTES

[illegible]

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