

TNMG		Perfect for external turning, facing and profile machining. Widely used for roughing and semi-finishing of steel, stainless steel and cast iron parts. A highly versatile insert for automotive parts, hydraulic components and general CNC machining applications.															
		Radius	Chip-breaker	P			M				K			S		H	Universal
				TC4025	TC20P	TC25P	TP15M	TP1605	TP10M TP825M	TP6530-3	TC15K	TC5255	TC10K	TP9502	TP9502S	TC15H	TP1530
				P	P	P M	P M	P M	M	P M	P K	K	K	M S	M S	H	P M K
Finishing	TNMG1604	0.4 0.8	PF														
	TNMG1604	0.4 0.8	BF														
Semi-finishing	TNMG1604	0.4 0.8 1.2	43														
	TNMG1604	0.4 0.8	HQ														
	TNMG1604	0.4 0.8 1.2	MA														
	TNMG1604	0.4 0.8 1.2	JMS														
	TNMG1604	0.4 0.8 1.2	TM														
	TNMG1604 TNMG2204	0.4 0.8 1.2	PC														
	TNMG1604 TNMG2204	0.4 0.8	PM														
	TNMG1604	0.4 0.8	CQ														
	TNMG1604	0.4 0.8 1.2	YM														
	TNMG1604 TNMG2204	0.4 0.8 1.2	MS														
	TNMG1604	0.2 0.4 0.8	ZMS														
	TNMG1604	0.4 0.8	ZMP														
	TNMG1604 TNMG2204	0.4 0.8 1.2	GH														
	TNMG1604	0.4 0.8	TF2														
	TNMG1604	0.4 0.8	VF														
Roughing	TNMG1604	0.4 0.8	R/L														
	TNMA1604	0.4 0.8 1.2	Flat														

WNMG		Perfect for heavy external turning, facing and rough machining. Widely used for steel, stainless steel and cast iron processing in automotive, hydraulic and general machining industries. Ideal for stable high-efficiency CNC turning applications.															
		Radius	Chip-breaker	P			M				K			S		H	Universal
				TC4025	TC20P	TC25P	TP15M	TP1605	TP10M TP825M	TP6530-3	TC15K	TC5255	TC10K	TP9502	TP9502S	TC15H	TP1530
				P	P	P M	P M	P M	M	P M	P K	K	K	M S	M S	H	P M K
Finishing	WNMG0804	0.4 0.8 1.2	PF														
	WNMG0804	0.4 0.8	BF														
Semi-finishing	WNMG0804	0.4 0.8 1.2	43														
	WNMG0804	0.4 0.8	HQ														
	WNMG0604 WNMG0804	0.4 0.8 1.2	MA														
	WNMG0804	0.4 0.8 1.2	TM														
	WNMG0804	0.4 0.8	PC														
	WNMG0804	0.4 0.8	PM														
	WNMG0804	0.4 0.8 1.2	JMS														
	WNMG0804	0.8 1.2	GM														
	WNMG0604 WNMG0804	0.4 0.8 1.2	EM														
	WNMG0804	0.4 0.8	CQ														
	WNMG0804	0.4 0.8 1.2	YM														
	WNMG0804	0.4 0.8 1.2	MS														
	WNMG0804	0.2 0.4 0.8	ZMS														
	WNMG0804	0.4 0.8	ZMP														
	WNMG0804	0.4 0.8 1.2	GH														
	WNMG0804	0.4 0.8	TF2														
	WNMG0804	0.4 0.8	ZMQ														
	WNMG0804	0.4 0.8	MT														
	WNMG0804	0.4 0.8	KM														
Roughing	WNMG0804	0.4 0.8 1.2	R/L														
	WNMG0804	0.4 0.8 1.2	Flat														
	WNMG0804	0.4 0.8	KH														

CNMG			Perfect for heavy-duty external turning, roughing and continuous CNC machining. Widely used for steel, stainless steel and cast iron processing in automotive, mold, hydraulic and general machining industries. Ideal for high-feed rough machining with excellent stability and long tool life.															
			Radius	Chip-breaker	P			M				K			S		H	Universal
					TC4025	TC20P	TC25P	TP15M	TP1605	TP10M TP825M	TP6530-3	TC15K	TC5255	TC10K	TP9502	TP9502S	TC15H	TP1530
					P	P	P M	P M	P M	M	P M	P K	K	K	M S	M S	H	P M K
Finishing	CNMG1204	0.4 0.8	PF															
	CNMG1204	0.4 0.8 1.2	43															
	CNMG1204	0.4 0.8	MA															
	CNMG1204	0.4 0.8 1.2	TM															
	CNMG1204	0.4 0.8 1.2	PC															
	CNMG1204	0.4 0.8	PM															
	CNMG1204	0.4 0.8 1.2	CQ															
	CNMG1204	0.4 0.8 1.2	YM															
	CNMG1204 CNMG1604 CNMG1906	0.4 0.8 1.2	MS															
Semi-finishing		0.4 0.8 1.2	JMS															
	CNMG1204	0.2 0.4 0.8	ZMS															
	CNMG1204	0.8 1.2	EM															
	CNMG1204	0.4 0.8	ZMP															
	CNMG1204 CNMG1604	0.4 0.8 1.2	GH															
	CNMG1204	0.4 0.8	TF2															
	CNMG1204	0.4 0.8	ZMQ															
	CNMG1204 CNMG1604	0.4 0.8 1.2	MT															
	CNMG1204	0.4 0.8	KM															
Roughing	CNMG1204	0.4 0.8	ML															
	CNMG1204	0.8	R/L															
	CNMG1204	0.4 0.8 1.2	Flat															
	CNMG1606 CNMG1906	1.2 1.6	RT															
	CMMG1606	0.8	PR															
	CNMG1204	0.4 0.8 1.2	KH															

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Zhanhong Cutting Tool Co., Limited

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DNMG				Perfect for finishing, semi-finishing and profile turning applications. Widely used for external turning, facing and precision machining of steel, stainless steel and cast iron parts. Ideal for customers who require smooth surface finish, sharp cutting performance and stable CNC machining.															
				Radius	Chip- breaker	P			M				K			S		H	Universal
						TC4025	TC20P	TC25P	TP15M	TP1605	TP10M TP825M	TP6530-3	TC15K	TC5255	TC10K	TP9502	TP9502S	TC15H	TP1530
				P	P	P M	P M	P M	M	P M	P K	K	K	M S	M S	H	P M K		
Finishing	DNMG1504 DNMG1506	0.4 0.8 1.2	PF																
	DNMG1104	0.4 0.8	FG																
Semi-finishing	DNMG1504 DNMG1506	0.4 0.8 1.2	43																
	DNMG1504 DNMG1506	0.4 0.8	MA																
	DNMG1504 DNMG1506	0.4 0.8	TM																
	DNMG1504 DNMG1506	0.4 0.8 1.2	PC																
			PM																
	DNMG1504 DNMG1506	0.4 0.8 1.2	YM																
			MS																
			GH																
	KNUX16040 5		R/L																
	DNMG1504	0.4 0.8	KM																
Roughing	DNMG1504	0.4 0.8	GH																

VNMG			Perfect for profile turning, finishing and semi-finishing applications. Widely used for external turning, contour machining and fine detail processing of steel, stainless steel and cast iron parts. Ideal for CNC machining requiring sharp cutting performance, excellent surface finish and precise profile turning.																
			Radius	Chip-breaker	P			M				K			S		H	Universal	
					TC4025	TC20P	TC25P	TP15M	TP1605	TP10M TP825M	TP6530-3	TC15K	TC5255	TC10K	TP9502	TP9502S	TC15H	TP1530	
			P	P	P M	P M	P M	M	P M	P K	K	K	M S	M S	H	P M K			
Finishing	VNMG1604	0.4 0.8	PF																
		0.4 0.8	PM																
		0.4 0.8	MA																
		0.4 0.8	JMS																
		0.4 0.8	PC																
		0.4 0.8 1.2	43																
		0.4 0.8	TM																
		0.8	EM																
		0.4 0.8	YM																
		0.2 0.4	ZMS																
		0.4 0.8	TF1																
		0.4 0.8	GH																
		0.4 0.8	KM																
		0.4 0.8	MS																
			VNMG12T3	0.4 0.8	ZEP														
Roughing	VNMA1604	0.4 0.8	Flat																

SNMG			Perfect for heavy roughing, interrupted cutting and high-feed CNC turning applications. Widely used for steel, cast iron and large workpiece machining in automotive, mold and general engineering industries. Ideal for stable heavy-duty machining with strong edge strength and long tool life.															
			Radius	Chip- breaker	P			M				K			S		H	Universal
					TC4025	TC20P	TC25P	TP15M	TP1605	TP10M TP825M	TP6530-3	TC15K	TC5255	TC10K	TP9502	TP9502S	TC15H	TP1530
			P	P	P M	P M	P M	M	P M	P K	K	K	M S	M S	H	P M K		
Finishing		0.4 0.8	GF															
		0.2 0.4 0.8	HA															
Semi-finishing	SNMG1204	0.4 0.8	PM															
		0.4 0.8 1.2	MA															
		0.4 0.8 1.2	TM															
		0.4 0.8	JMS															
		0.4 0.8 1.2	YM															
		0.4 0.8 1.2	GH															
		0.4 0.8 1.2	PC															
		0.4 0.8	KM															
		0.4 0.8 1.2	MS															
		Roughing	SNMG1204 SNMG1506	0.4 0.8 1.2	L/R													
SNMG1204	0.4 0.8		KH															
SNMG1506 SNMG1906	1.2 1.6		GZ															
SNMG1906	1.2 1.6		RT															
SNMG1204	0.4 0.8 1.2		Flat															

VBMT				Perfect for finishing, profiling and precision CNC turning applications. Widely used for external turning, contour machining and fine finishing of steel, stainless steel and cast iron parts. Ideal for high-precision machining with sharp cutting action and excellent surface finish.												Universal			
				Radius	Chip-breaker	P			M				K				S		H
						TC4025	TC20P	TC25P	TP15M	TP1605	TP10M TP825M	TP6530-3	TC15K	TC5255	TC10K		TP9502	TP9502S	TC15H
					P	P	P M	P M	P M	M	P M	P K	K	K	M S	M S	H	P M K	
Semi-finishing	VBMT1103 VBMT1604	0.4 0.8	MV																
	VBMT1103 VBMT1604	0.2 0.4	ZLF																
	VBMT1604	0.4 0.8 1.2	PC																
	VBMT1103	0.4 0.8	HTM																
	VBMT1103 VBMT1604	0.4 0.8	ZMQ																
	VBMT1103 VBMT1604	0.4 0.8	GH																
VCMT				Perfect for finishing, semi-finishing and profile turning applications. Widely used for external turning, internal turning and contour machining of steel, stainless steel and cast iron parts. Ideal for precision CNC machining with smooth cutting performance and excellent surface finish.												Universal			
				Radius	Chip-breaker	P			M				K				S		H
						TC4025	TC20P	TC25P	TP15M	TP1605	TP10M TP825M	TP6530-3	TC15K	TC5255	TC10K		TP9502	TP9502S	TC15H
					P	P	P M	P M	P M	M	P M	P K	K	K	M S	M S	H	P M K	
Semi-finishing	VCMT1103 VCMT1604	0.4 0.8	TF																
		0.4 0.8	GH																
		0.4 0.8	PC																
	VCMT1103	0.1 0.2	ZLF																
	VCMT0804	0.2 0.4	HQ																

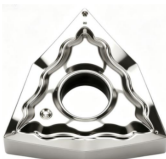
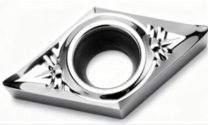
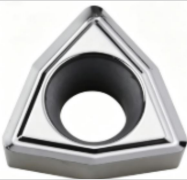
CCMT		Perfect for finishing and semi-finishing CNC turning applications. Widely used for internal turning, external turning and profiling of steel, stainless steel and cast iron parts. Ideal for precision machining with low cutting resistance, smooth chip control and excellent surface finish.															
		Radius	Chip-breaker	P			M				K			S		H	Universal
				TC4025	TC20P	TC25P	TP15M	TP1605	TP10M TP825M	TP6530-3	TC15K	TC5255	TC10K	TP9502	TP9502S	TC15H	TP1530
				P	P	P M	P M	P M	M	P M	P K	K	K	M S	M S	H	P M K
Finishing	CCMT0602 CCMT09T3	0.4 0.8	FG														
	CCMT0602 CCMT09T3 CCMT1204	0.2 0.4 0.8	TF														
Semi-finishing	CCMT0602 CCMT09T3	0.4 0.8	ZTM														
	CCMT0602 CCMT09T3 CCMT1204	0.2 0.4 0.8	ZLF														
	CCMT0602 CCMT09T3	0.4 0.8	PM														
	CCMT0602 CCMT09T3 CCMT1204	0.4 0.8	YM														
	CCMT0602 CCMT09T3 CCMT1204	0.4 0.8	PC														
	CCMT0602 CCMT09T3 CCMT1204	0.4 0.8	MT														
	CCMT0602 CCMT09T3 CCMT1204	0.4 0.8	GH														
	CCMT0602 CCMT09T3	0.4	TF1														
	CCMT0602 CCMT09T3	0.4 0.8	TF3														

DCMT		Perfect for finishing, semi-finishing and precision profile turning applications. Widely used for internal turning, external turning and contour machining of steel, stainless steel and cast iron parts. Ideal for CNC machining requiring sharp cutting performance, stable chip control and excellent surface finish.															
		Radius	Chip-breaker	P			M				K			S		H	Universal
				TC4025	TC20P	TC25P	TP15M	TP1605	TP10M TP825M	TP6530-3	TC15K	TC5255	TC10K	TP9502	TP9502S	TC15H	TP1530
				P	P	P M	P M	P M	M	P M	P K	K	K	M S	M S	H	P M K
Finishing	DCMT11T3	0.4 0.8	PF														
	DCMT0702 DCMT11T3	0.2 0.4 0.8	MV														
Semi-finishing	DCMT0702 DCMT11T3	0.4 0.8	TF														
	DCMT11T3	0.4 0.8	PM														
	DCMT0702 DCMT11T3	0.4 0.8	PC														
	DCMT0702 DCMT11T3	0.1 0.2	ZLF														
	DCMT0702 DCMT11T3	0.2 0.4 0.8	ZLF														
	DCMT0702 DCMT11T3	0.4 0.8	GH														
	DCMT11T3	0.4 0.8	TF3														
TC/PMT		Radius	Chip-breaker	P			M				K			S		H	Universal
				TC4025	TC20P	TC25P	TP15M	TP1605	TP10M TP825M	TP6530-3	TC15K	TC5255	TC10K	TP9502	TP9502S	TC15H	TP1530
				P	P	P M	P M	P M	M	P M	P K	K	K	M S	M S	H	P M K
Semi-finishing	TPMT0902	0.4	MV														
	TCMT0902 TCMT1102 TCMT16T3	0.2 0.4 0.8	TF														
	TCMT1102 TCMT16T3	0.2 0.4	ZLF														
	TCMT0902 TCMT1102 TCMT16T3	0.4 0.8	PM														
	TCMT0902 TCMT1102 TCMT16T3	0.4 0.8	PC														
SCMT		Radius	Chip-breaker	P			M				K			S		H	Universal
				TC4025	TC20P	TC25P	TP15M	TP1605	TP10M TP825M	TP6530-3	TC15K	TC5255	TC10K	TP9502	TP9502S	TC15H	TP1530
				P	P	P M	P M	P M	M	P M	P K	K	K	M S	M S	H	P M K
Semi-finishing	SCMT09T3	0.4 0.8	TF														
	SCMT09T3	0.4 0.8	PM														
	SCMT09T3 SCMT1204	0.4 0.8	PC														

Aluminum

Grade: K10 (Similar to H01)

Ultra-sharp cutting edge for smooth and easy cutting
Mirror polished surface for excellent chip evacuation
Prevents built-up edge during aluminum machining
Low cutting resistance for high-speed machining
Excellent surface finish on aluminum and non-ferrous materials
Widely used for aluminum, copper and soft metal high-speed CNC machining applications.

TNMG	CNMG	WNMG	SNMG	VNMG	SEHT
					
TNMG160402-AK	CNMG120402-AK	WNMG080402-AK	SNMG120402-AK	VNMG160402-AK	SEHT1204AFTN
TNMG160404-AK	CNMG120404-AK	WNMG080404-AK	SNMG120404-AK	VNMG160404-AK	
TNMG160408-AK	CNMG120408-AK	WNMG080408-AK	SNMG120408-AK	VNMG160408-AK	
TNMG160412-AK	CNMG120412-AK	WNMG080412-AK			
DCGT	CCGT	VCGT	VBGT	SCGT	TCGT
					
DCGT070202-AK	CCGT060202-AK	VCGT110302-AK	VBGT110302-AK	SCGT120402-AK	TCGT090202-AK
DCGT070204-AK	CCGT060204-AK	VCGT110304-AK	VBGT110304-AK	SCGT120404-AK	TCGT090204-AK
DCGT070208-AK	CCGT060208-AK	VCGT110308-AK	VBGT110308-AK	SCGT120408-AK	TCGT090208-AK
DCGT11T302-AK	CCGT09T302-AK	VCGT160402-AK	VBGT160402-AK	SCGT120412-AK	TCGT110202-AK
DCGT11T304-AK	CCGT09T304-AK	VCGT160404-AK	VBGT160404-AK	SCGT09T302-AK	TCGT110204-AK
DCGT11T308-AK	CCGT09T308-AK	VCGT160408-AK	VBGT160408-AK	SCGT09T304-AK	TCGT110208-AK
	CCGT120402-AK	VCGT160412-AK		SCGT09T308-AK	TCGT16T302-AK
	CCGT120404-AK	VCGT160420-AK			TCGT16T304-AK
	CCGT120408-AK				TCGT16T308-AK
					TCGT16T312-AK
APKT-MA	APKT-MA3	APGT/APKT-G2	WCGT	SPPGT	RC/PGT
					
APKT1604PDER-MA	APKT1604PDER-MA3	APGT1604PDER-G2	WCGT030208-AL	SPGT050204-AL	RC/PGT06
		APKT1135PDER-G2	WCGT040208-AL	SPGT060204-AL	RC/PGT08
		APKT1003PDSR	WCGT050308-AL	SPGT07T308-AL	RCPGT1003
			WCGT06T308-AL	SPGT090408-AL	RC/PGT10T3
			WCGT080412-AL	SPGT110408-AL	RC/PGT12
				SPGT120412-AL	