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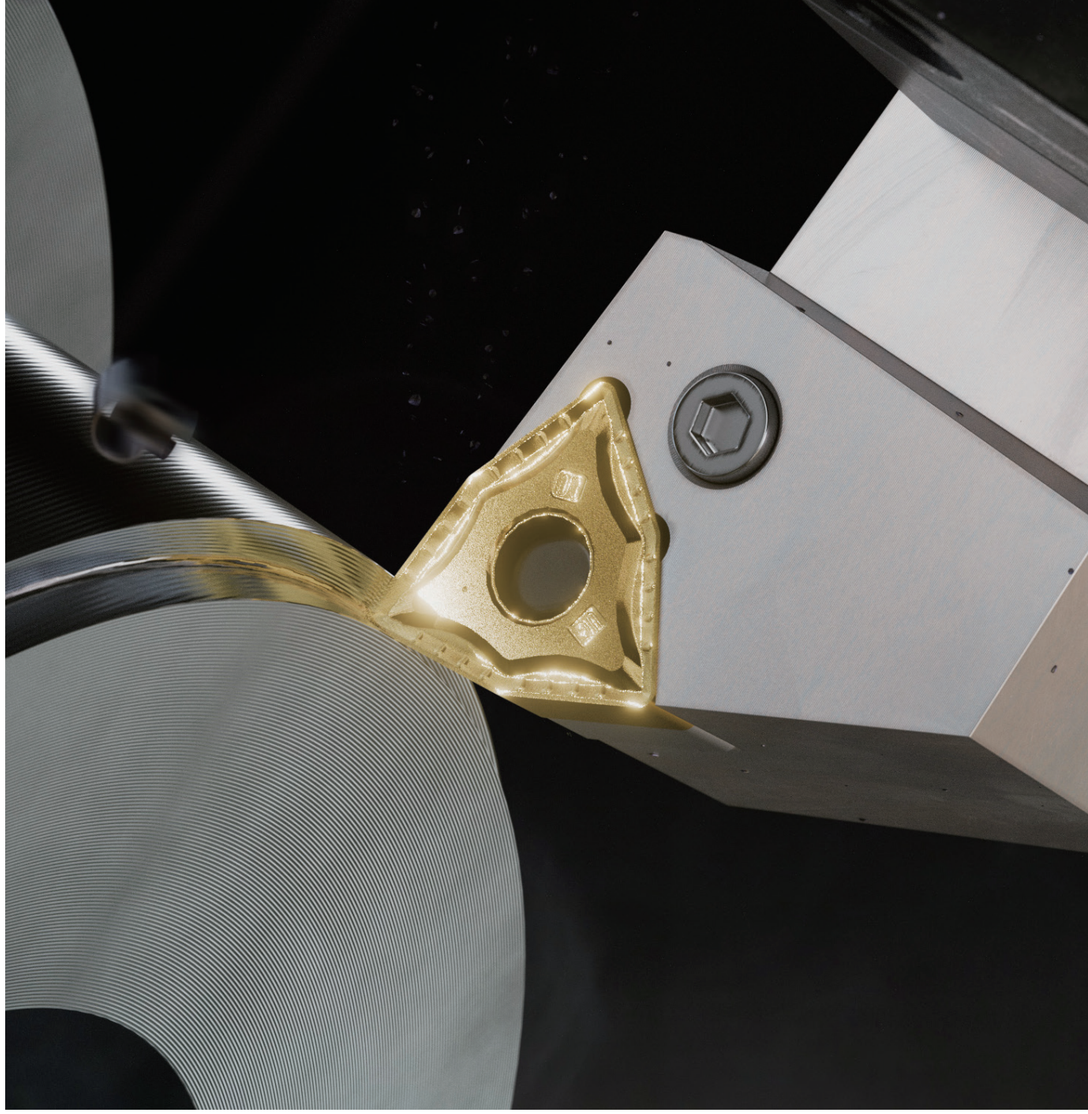


ISO TURNING

Product Overview

Application Guide

Turning Inserts Overview

Turning Inserts

Turning Holders Overview

Turning Holders

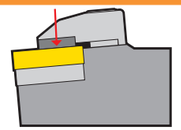
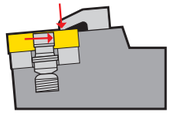
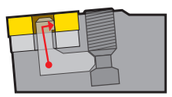
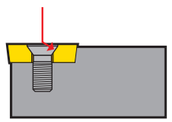
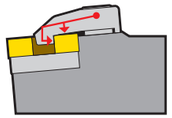
YG-1 USA - phone: 800-765-8665, E-mail: yg1usa.com
YG-1 HEAD OFFICE - phone: +82-32-526-0909, www.yg1.solutions, E-mail: yg1@yg1.solutions

External Turning Holder Code (Inch)

*Inch

1	2	3	4	5	6	7	8
M	C	L	N	R	12	4	B
Clamping System	Insert Shape (1st Letter of Insert)	Tool Style	Insert Clearance (2nd Letter of Insert)	Tool Hand	Shank Width(B) & Height(H)	Insert Size	Length (LF)

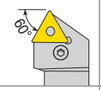
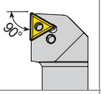
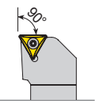
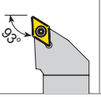
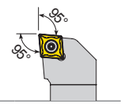
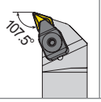
1 - Clamping System

Symbol	System
C	 **Top Clamp** (No Clamping Hole Insert)
M	 **Multi lock** (Straight Clamping Hole Insert)
P	 **Lever Lock** (Straight Clamping Hole Insert)
S	 **Screw Clamp** (Screw Clamping Hole Insert)
D	 **Double Clamp** (Straight Clamping Hole Insert)

2, 4 — Insert Compatibility *

* Related to Insert Designation to check compatibility

3 - Tool Style

Approach Angle (KAPR)	Side Direction		End Direction
	Straight Shank	Offset Shank	
45°	D 	S 	
60°		T 	
62.5°	N 		
72.5°	V 		
75°	B 		K 
90°	A 	G 	F 
93°		J 	U
95°		L (Both Directions) 	
107.5°		H 	

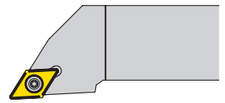
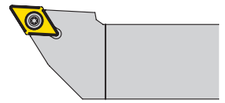
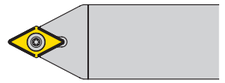
Turning - Name Code System

External Turning Holder Code (Inch)

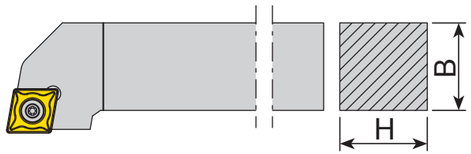
*Inch

1	2	3	4	5	6	7	8
M	W	L	N	R	16	3	D
Clamping System	Insert Shape (1st Letter of Insert)	Tool Style	Insert Clearance (2nd Letter of Insert)	Tool Hand	Shank Width(B) & Height(H)	Insert Size	Length (LF)

5 - Hand Direction

Symbol	Hand Direction	
R	Right Hand	
L	Left Hand	
N	Neutral	

6 - Shank Height (H) Shank Width (B)



Number	Hight (H)	Width (B)	Number	Hight (H)	Width (B)
05	.3125	.3125	24	1.500	1.500
06	.375	.375	32	2.000	2.000
08	.500	.500	64	1.000	.750
10	.625	.625	66	1.500	1.750
12	.750	.750	85	1.250	1.000
16	1.000	1.000	86	1.500	1.000
20	1.250	1.250	91	1.500	1.250

7 - Insert Size *

Example	is Compatible with…
MCLNR 12 4B	CNMG432
MTJNR 16 3B	TNMG331

* Related to Insert Designation to check compatibility

8 - Length (LF)

Symbol	Length (Inch)	Symbol	Length (Inch)
A	4.000	M	4.000
B	4.500	N	4.500
C	5.000	P	5.000
D	6.000	R	6.000
E	7.000	S	7.000
F	8.000	T	8.000
G	5.500	U	5.500
H	5.625	V	3.500
J	5.300	W	3.500
K	14.000	Y	3.750
L	6.800	X	Special

Insert ISO Code System

*Metric : According to ISO 1832

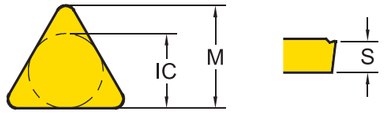
1	2	3	4	5	6	7	8	9
C	**N**	**M**	**G**	**12**	**04**	**08**	**-UG**	**YG3115**
Shape	Clearance	Tolerance	Clamping & Chipbreaker	Insert Size	Insert Thickness	Corner Radius	Chipbreaker Geometry	Grade

1 - Shape

Symbol	Shape	
H	Hexagonal	
O	Octagonal	
P	Pentagonal	
S	Square	
T	Triangular	
C	Rhombic 80°	
D	Rhombic 55°	
V	Rhombic 35°	
W	Trigon	
L	Rectangular	
K	Parallelogram 55°	
R	Round	

2 - Relief Angle (AN)

Symbol	Relief Angle (AN)	
N	No Relief Angle	
B	Relief 5°	AN
C	Relief 7°	
P	Relief 11°	
D	Relief 15°	
E	Relief 20°	
F	Relief 25°	
O	Special	



3 - Tolerance Class

Symbol	Inner Circle IC (inch)	Nose Height M (inch)	Thickness S (inch)
C	±.0010	±.0005	±.0010
E	±.001	±.0010	±.001
G	±.001	±.0010	±.005
H	±.0005	± .0005	±.0010
K*	±.002~.006*	±.0005	±.005
M*	±.002~.006*	±.003~.010*	±.005
U*	±.003~.010*	±.005~.015*	±.005

* Tolerance is differs by insert IC size. Please see ISO 1832

4 - Clamping & Chip breaker

Symbol	Clamping	Chipbreaker	Figure
N	No clamping hole	X	
R		One Face	
A	Cylindrical clamping hole	X	
M		One Face	
G		Both Faces	
W	Screw hole	X	
T		One Face	
U		Both Faces	
X	Special		

YG TURN INCH

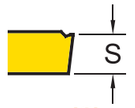
Insert ISO Code System

*Inch

1	2	3	4	5	6	7	8	9
C	**N**	**M**	**G**	**4**	**3**	**2**	**-UG**	**YG3115**
Shape	Clearance	Tolerance	Clamping & Chipbreaker	Insert Size	Insert Thickness	Corner Radius	Chipbreaker Geometry	Grade

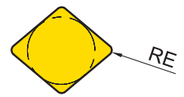
5 - Insert Size

Metric S	Metric T	Metric C	Metric D	Metric V	Metric W	Metric R	Inner Circle IC (inch)	Inch
06	**11**	**06**	**07**	**11**			1/4	**2**
07	**13**	**08**	**09**	**13**	**15**		5/16	**2.5**
09	**16**	**09**	**11**	**16**	**06**	**09** (00)	3/8	**3**
12	**22**	**12**	**15**	**22**	**08**	**12** (00)	1/2	**4**
15	**27**	**16**	**19**	**27**	**10**		5/8	**5**
19	**33**	**19**	**23**	**33**	**13**		3/4	**6**
25		**25**					1	**8**
						06 (M0)	.236	
						08 (M0)	.315	
						10 (M0)	.394	
						12 (M0)	.472	
						16 (M0)	.630	



6 - Insert Thickness (S)

Metric	Thickness - S (inch)	Inch
T1	5/64	**1.2**
02	3/32	**1.5**
03	1/8	**2**
T3	5/32	**2.5**
04	3/16	**3**
05	7/32	**3.5**
06	1/4	**4**
07	5/16	**5**
09	3/8	**6**



7 - Corner Radius (RE)

Metric	Corner Radius - RE (inch)	Inch
01	.004	**0**
02	.008	**.5**
04	1/64	**1**
08	1/32	**2**
12	3/64	**3**
16	1/16	**4**
20	5/64	**5**
24	3/32	**6**

Grade Naming System

1	2	3	4	5	(6)
YG	**3**	**1**	**1**	**5**	**(G)**
YG Brand	Workpiece Material	Grade Version	Application Range (1st Digit)	Application Range (2nd Digit)	Minor Variation
Carbide CVD (4 Digits)	●	●	●	●	**YG3115**
Carbide PVD (3 Digits)	●	●	●		**YG211**
Carbide Uncoated (2 Digits)	●	●			**YG10**

1 - YG Brand

2 - Workpiece Material

Symbol	Workpiece Material	Turning	Milling	Drilling	Parting
1	K Cast Iron or N Non-Ferrous	●			
2	M Stainless Steel	●			
3	P Steel	●			
4	S Superalloys	●			
5	K Cast Iron or N Non-Ferrous		●	●	●
6	M Stainless Steel or Universal		●	●	●
7	P Steel		●	●	●
8	Universal	●			
9	Exotic Material		●		
0	Hardened Steel		●		

3 - Grade Version

4 & 5 - Application Range

Symbol
05
10
15
20
25
30
35
40
45

Stable
Wear Resistant Grade
Stable Application
Continuous Cut
Finishing

General
Balanced Grade
High Versatility
General Application

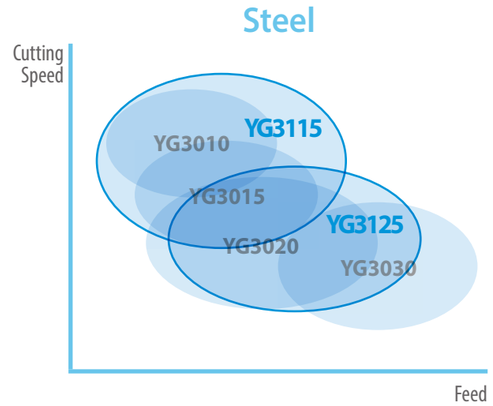
Unstable
Tougher Grade
Unstable Application
Interrupted Cut
Chipping Resistance
Roughing

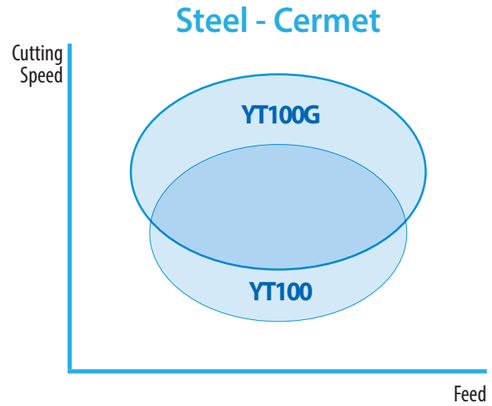
(6) - (Minor Variation)

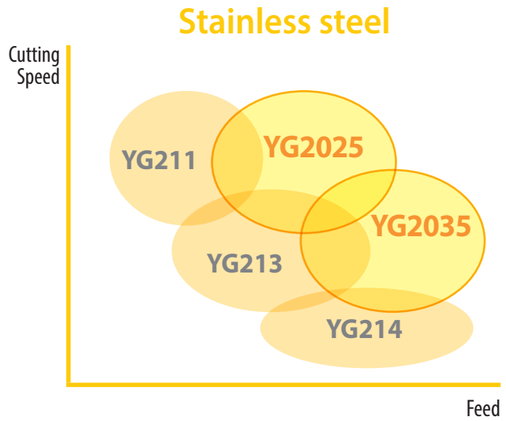
G - Gold Coated Version

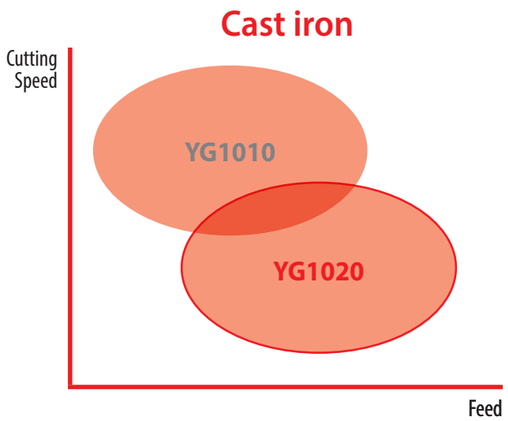
Product Overview

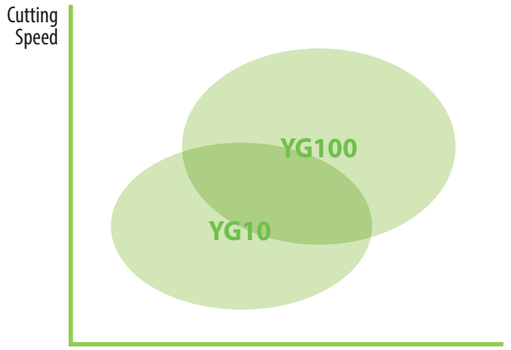
Turning Grades Map

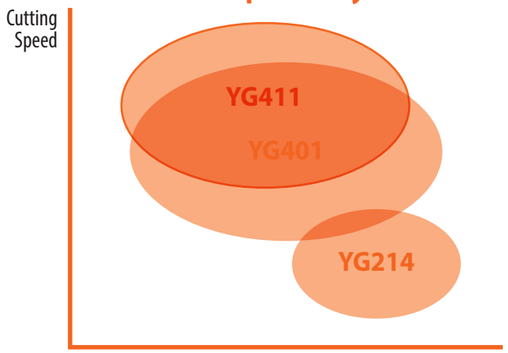








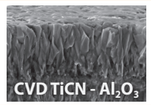




Turning Grades

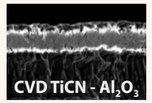
Turning Grades		P Steel				M Stainless steel			K Cast iron			N Non-ferrous		S Superalloys	
		P10	P20	P30	P40	M10	M20	M30	K10	K20	K30	N10	N20	S10	S20
CVD	YG1010								1010						
	YG1001	1001							1001						
	YG1020								1020						
	YG3010	3010							3010						
	YG3015	3015													
	YG3115	3115													
	YG3125		3125												
	YG3020		3020												
	YG3030		3030												
	YG2025						2025								
	YG2035							2035							
PVD	YG801		801												
	YG211					211									
	YG213						213								
	YG214							214							214
	YG401													401	
	YG411													411	
Cermet	YT100		YT100				YT100			YT100					
	YT100G		YT100G				YT100G			YT100G					
DLC	YG100											100			
-	YG10											10			

YG1010 — K05 - K15



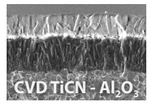
First Choice for Cast Iron
- Effective coating structure enables high speed machining
- Special post treatment for improved chipping resistance

YG1001 — P01 - P10, K10 - K25



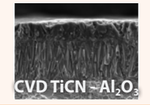
Stable Machining of Cast Iron
- Substrate especially designed for high wear resistance
- Thick Al_2O_3 layer ensures good wear resistance at high cutting speeds including dry machining

NEW **YG1020** — K15 - K25



First choice for ductile cast iron
- Excellent wear and fracture resistance when machining ductile cast iron
- New coating ensures outstanding resistance to abrasion wear

YG3010 — P05 - P20, K15 - K35

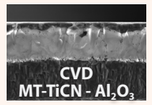


First choice for Finishing Steels, and Ductile Cast iron
- Finishing and light machining of steel under in stable condition
- New Al_2O_3 coating technology and excellent surface smoothness increase wear resistance and chipping resistance

YG3015 — P10 - P25

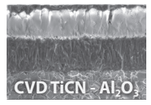
Balanced Productivity for Continuous cut
- High wear resistance and improved toughness ensures high productivity with less trouble

YG3115 — P15 - P25



First choice grade for high cutting speed in Steels
- Suitable for mass production due to stable and predictable tool life
- Minimizing built up edge due to new post surface treatment in mild steels, low carbon steel and low carbon alloy steel.
- Best choice for both continuous as well as interrupted cuts

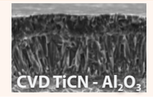
NEW **YG3125** — P20 - P30



Recommended first grade for steel
- New substrates with a unique combination of good toughness and plastic deformation resistance
- General Machining on steel

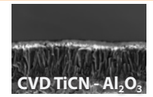
Turning Grades

YG3020 — P15 - P30



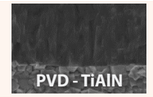
First Choice Grade for General Steel Application
- Substrate especially designed for good toughness
- Excellent surface smoothness increases wear resistance and reliability

YG3030 — P20 - P35



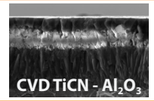
Interrupted Cutting of Steel and Stainless steel
- Substrate for heavy roughing in mild steel and low carbon alloy steel
- New Al_2O_3 technology and optimized surface treatment achieves a good balance between wear resistance and chipping resistance

YG801 — P10 - P30



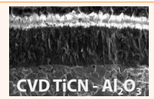
for Carbon Steel with Low Cutting Speed
- Recommended for mild steel and boring application
- Substrate and special PVD coating for excellent wear resistance

YG2025 — M15 - M35



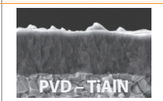
CVD grade for High Cutting Speed for Stainless steel
- Utilizing a new carbide substrate and new coating
- Excellent combination of wear resistance and chipping resistance
- Minimized built up edge due to post surface treatment

NEW **YG2035** — M30 - M40



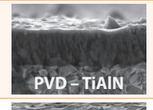
CVD Coated Grade for stainless steel at Low Cutting Speed
- Substrate withstands heavy interruption, while the coating provides the wear resistance needed for a long tool life
- Smooth surface resists build-up edge, even at low cutting speeds

YG211 — M05 - M25



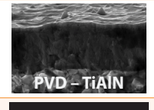
High wear Resistance Grade for Stainless steel
- Finishing Stainless steel

YG213 — M20 - M35



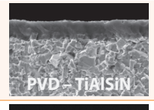
First Choice Grade on Low Cutting Speed of Stainless steel
- First choice on Stainless steel for Low cutting speed
- For Medium to low cutting speed

YG214 — M30 - M40, S25 - S30



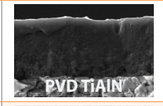
Heavy Interrupted cut for Stainless steel
- For Heavy Interrupted cut on Stainless steel
- Minimize risk of Mechanical fracture or Chipping

YG401 — S10 - S20



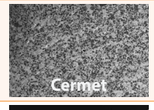
PVD Turning Grade for HRSA
- Highly heat-resistant TiAlSiN structure for excellent wear resistance
- Greatly improved film coating realizes excellent boundary defect resistance
- Top coating layer provides a smooth surface and lubricant effect

NEW **YG411** — S05 - S15



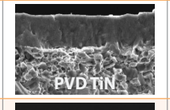
PVD Turning Grade on High Cutting Speed for HRSA
- Specialized cemented carbide substrate with excellent resistance to plastic deformation
- Strong edge stability provides reliable tool life when machining heat-resistant alloys at high speeds
- High-Al content coating provides superior oxidation resistance when machining heat-resistant alloys

YT100 — P10 - P20, M10 - M20, K10 - K20



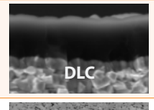
New Generation Cermet Grade
- Enhanced wear resistance & chipping resistance
- Excellent fracture resistance
- Superior surface finish with special edge preparation

NEW **YT100G** — P5 - P20, M5 - M20, K5 - K20



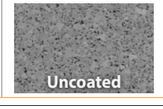
PVD-coated Cermet grade for turning
- Outstanding wear resistance and a low coefficient of friction enable high-speed turning of steels, stainless steels, and cast irons with extended tool life

YG100 — N05 - N25



First Choice Grade for Aluminum with DLC Coating
- Submicron carbide for high wear resistance
- DLC coating minimizes Built Up Edge tendency.
- Improve tool life in sticky non-ferrous alloy

YG10 — N05 - N25

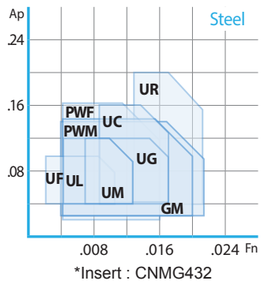


Uncoated Grade for General Aluminum
- Substrate consisted of submicron carbide for high wear resistance
- Shining surface to prevent built up edge

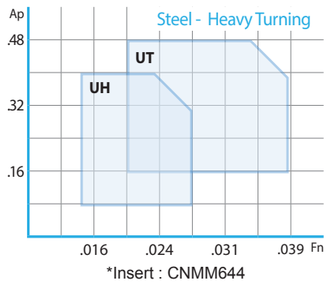
Turning Chipbreakers - Negative

P	M	K	N	S			Feed 0 .004 .008 .012 .016 .020 .024 Fn (inch/rev.)
P					UF	Finishing	Fn .002 ~ .010 / Ap .039 ~ .098
P					NEW PWF	Wiper-Finishing	Fn .004 ~ .016 / Ap .020 ~ .157
P					UL	Semi Finishing and sticky materials	Fn .004 ~ .012 / Ap .039 ~ .118
P					UM	Medium & Unstable conditions	Fn .006 ~ .012 / Ap .039 ~ .118
P					NEW GM	Medium machining for steel & Stainless steel	Fn .007 ~ .020 / Ap .031 ~ .197
P					UG	First Choice for Medium (Stable conditions)	Fn .008 ~ .016 / Ap .039 ~ .118
P					PWM	Wiper-Medium	Fn .004 ~ .020 / Ap .031 ~ .138
P					UH	Low cutting force	Fn .014 ~ .028 / Ap .079 ~ .354
P					UT	Heavy roughing	Fn .020 ~ .039 / Ap .157 ~ .472
P		K			UC	Medium Roughing and First choice for Cast iron	Fn .008 ~ .016 / Ap .039 ~ .157
P		K			UR	Roughing and Heavy interrupted cut	Fn .012 ~ .020 / Ap .039 ~ .197
		K			..MA	Cast iron Heavy Roughing	Fn .006 ~ .020 / Ap .039 ~ .197

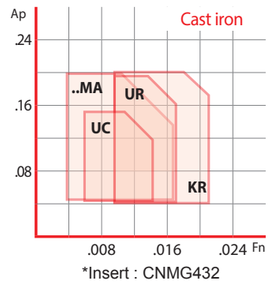
0 .04 .08 .12 .16 .20 .24 Depth of Cut — Ap (inch)



*Insert : CNMG432



*Insert : CNMM644

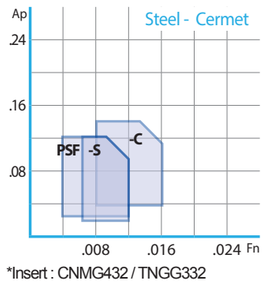


*Insert : CNMG432

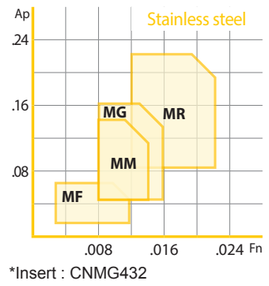
Turning Chipbreakers - Negative

P	M	K	N	S			Feed 0 .004 .008 .012 .016 .020 .024 Fn (inch/rev.)
		K			KR	Cast Iron Heavy Roughing	Fn .012 ~ .024 / Ap .039 ~ .197
	M			S	MF	Stainless steel Finishing	Fn .003 ~ .012 / Ap .008 ~ .059
P	M			S	MM	Stainless steel Medium and Low Carbon Steel	Fn .008 ~ .014 / Ap .039 ~ .138
	M			S	MG	Stainless steel General	Fn .008 ~ .016 / Ap .039 ~ .157
	M			S	MR	Stainless steel Roughing	Fn .012 ~ .022 / Ap .079 ~ .217
				S	SF	HRSA Finishing	Fn .004 ~ .010 / Ap .008~.039
				S	SM	HRSA Medium	Fn .006 ~ .012 / Ap .020 ~ .118
				S	SR	Roughing for HRSA	Fn .012 ~ .022 / Ap .079 ~ .217
P	M	K			PSF	Cermet Finishing to Semi medium	Fn .004 ~ .012 / Ap .024 ~ .118
P	M	K			NEW -S	Cermet Finishing	Fn .004 ~ .008 / Ap .016 ~ .079
P	M	K			-C	Cermet Medium	Fn .008 ~ .016 / Ap .039 ~ .138

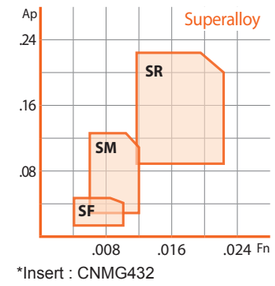
0 .04 .08 .12 .16 .20 .24 Depth of Cut — Ap (inch)



*Insert : CNMG432 / TNGG332



*Insert : CNMG432



*Insert : CNMG432

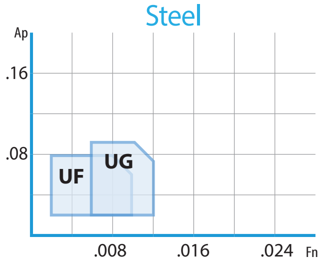
Product Overview

Turning Chipbreakers - Positive

P	M	K	N	S	Chipbreaker	Application	Feed Fn (inch/rev.)	Depth of Cut Ap (inch)
			N		AL	Aluminum application (28°)	.001 ~ .012	.004 ~ .197
P	M				UF	Finishing application (10°)	.002 ~ .010	.020 ~ .079
P		K			UG	Medium application (0.15, 17°)	.006 ~ .012	.020 ~ .098
	M				MF	Stainless steel Finishing (6°)	.002 ~ .012	.004 ~ .079
	M				MM	Stainless steel Medium (18°, 0.12, 6°)	.002 ~ .014	.010 ~ .118
				S	SF	HRSA Finishing (18°)	.001 ~ .008	.004 ~ .098
P	M	K			PF	Finishing (6°)	.002 ~ .010	.004 ~ .079
P	M	K			PM	Medium (18°, 0.12, 6°)	.003 ~ .010	.010 ~ .118

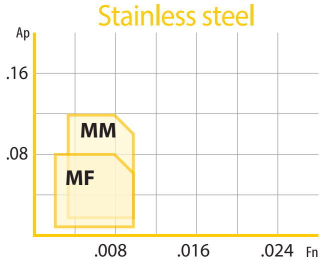
Feed scale: 0 .004 .008 .012 .016 .020 .024 Fn (inch/rev.)
Depth of Cut scale: 0 .04 .08 .12 .16 .20 .24 Ap (inch)

Steel



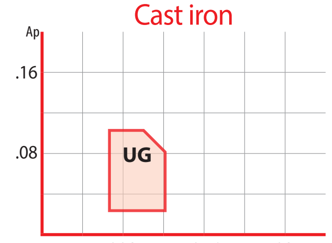
*Insert: CCMT 32.51

Stainless steel



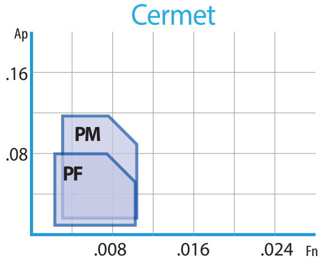
*Insert: CCMT 32.51

Cast iron



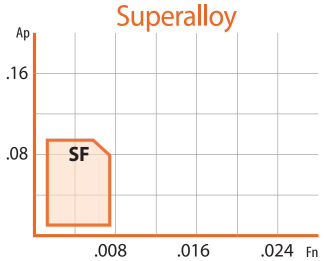
*Insert: CCMT 32.51

Cermet



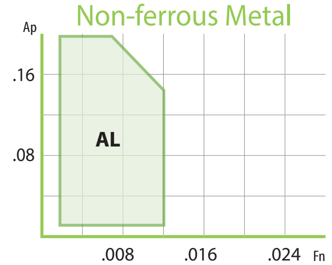
*Insert: CCMT 32.51

Superalloy



*Insert: CCGT 32.51

Non-ferrous Metal



*Insert: CCGT 32.51

Turning Inserts Overview

Negative Inserts

Recommended Cutting Conditions : p.190

Shape	Series	Size & Thickness							Page
C	CNMA			43	54	64			26
	CNMG	32	33	43	54	64		86	
	CNGG			43					
	CNMM			43	54	64	85	86	
D	DNMA			43	44				31
	DNMG		33	43	44				
	DNGG			43	44				
	DNMM				44				
	DNUX			43	44				36
K	KNUX				1604 (mm)				37
S	SNMA			43	54	64			38
	SNMG	32		43	54	64		86	
	SNMM				54	64	85	86	
T	TNMA		33						42
	TNMG		33	43					
	TNGG		33						
	TNMM		33	43					
	TNUX		33						48
V	VNMA		33						49
	VNMG		33						
	VNGG		33						
W	WNMA		33	43					51
	WNMG		33	43					
	WNGG			43					

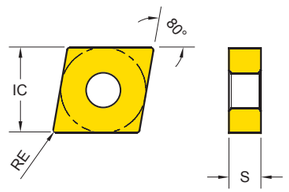
Positive Inserts

Shape	Series	Size & Thickness							Page
C	CCGT	21.5		32.5			43		55
	CCMT	21.5		32.5			43		
D	DCGT	21.5		32.5					58
	DCMT	21.5		32.5					
R	RCMT	0602	0803		10T3	1204	1606		60
	RCMX				1606	2006	2507	3209	61
S	SCGT			32.5					62
	SCMT			32.5			43		
T	TCGT	21.5		32.5					64
	TCMT	1.81	21.5	32.5					
V	VBGT / VBMT		22		33				66
	VCGT / VCMT		22		33				67

Turning Inserts - Negative

CNMA / CNMG (80° Rhombic)

Refer to Turning holder p. 87



Series	IC	S	Series	IC	S
CN.. 32	.375	.125	CN.. 54	.625	.250
CN.. 33	.375	.187	CN.. 64	.750	.250
CN.. 43	.500	.187			

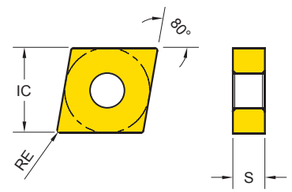
EDP 2200.. ● : Stock item ○ : Order made item

CNMA CNMG	Designation	RE	Fn (In/rev.)	Ap (In)	YG1010	YG1001	YG1020	YG3010	YG3015	YG3115	YG3125	YG3020	YG3030	YG801	YG2025	YG2035	YG211	YG213	YG214	YG401	YG411	YT100	YT100G	YG100	YG10
					K10	P05 K20	K20	P10 K30	P15	P10	P25	P20	P30	P20	M25	M35	M15	M30	M40 S30	S10	S10	P15 M15 K15	P10 M10 K10	N20	N20
..MA	CNMA431	.016	.006 ~ .020	.020 ~ .197	● 0894	○ 0089	● 3435	○ 0354																	
	CNMA432	.031	.006 ~ .020	.039 ~ .197	● 1484	○ 0010	● 3473	○ 0355																	
	CNMA433	.047	.006 ~ .020	.059 ~ .197	● 0766	○ 0011	● 3426	○ 0356																	
	CNMA434	.063	.006 ~ .020	.079 ~ .197	● 1207	○ 1188	● 3461	○ 1314																	
	CNMA543	.047	.006 ~ .020	.059 ~ .197	● 0881	○ 0012	● 3433	○ 0357																	
	CNMA544	.063	.006 ~ .020	.079 ~ .197	● 0937	○ 0446	● 3452	○ 0447																	
	CNMA643	.047	.006 ~ .020	.059 ~ .354	● 1617	○ 0989	● 3506	○ 0990																	
	CNMA644	.063	.006 ~ .039	.118 ~ .394	● 1015	○ 0448	● 3456	○ 0449																	
Cast iron																									
-UF	CNMG431-UF	.016	.002 ~ .010	.020 ~ .098				○ 0178		● 2370	● 3200	● 0179	● 0180	○ 0003			○ 2222								
	CNMG432-UF	.031	.002 ~ .010	.039 ~ .098				○ 0189	○ 1027	● 2204	● 3203	● 0190	● 0191												
	CNMG433-UF	.047	.002 ~ .010	.059 ~ .098				○ 1349		● 2598	● 3362	● 1360	● 1350												
Finishing																									
NEW -PWF	CNMG431-PWF	.016	.003 ~ .012	.012 ~ .157	● 3848					● 3855	● 3859		● 3866												
	CNMG432-PWF	.031	.004 ~ .016	.020 ~ .157	● 3849					● 3856	● 3860		● 3867												
Wiper-Finishing																									
-UL	CNMG322-UL	.031	.004 ~ .012	.039 ~ .098				○ 1211		● 2589	● 3358	● 1328	● 1212												
	CNMG323-UL	.047	.004 ~ .012	.059 ~ .098				○ 1274		● 2590	● 3355	● 1270	● 1704												
	CNMG332-UL	.031	.004 ~ .012	.039 ~ .098				○ 1338		● 2591	● 3359	● 1335	● 1705												
	CNMG333-UL	.047	.004 ~ .012	.059 ~ .098				○ 1339		● 2592	● 3360	● 1336	● 1706												
	CNMG431-UL	.016	.004 ~ .012	.020 ~ .118				○ 0358		● 2381	● 3250	● 0359	● 0524												
	CNMG432-UL	.031	.004 ~ .012	.039 ~ .118				○ 0192		● 2315	● 3204	● 0193	● 0194												
	CNMG433-UL	.047	.004 ~ .012	.059 ~ .118				○ 0201		● 2396	● 3207	● 0202	● 0203												
Light Machining and Sticky Material																									
-UM	CNMG431-UM	.016	.006 ~ .012	.020 ~ .118		● 1074		○ 0184		● 2387	● 3202	● 0185	● 0186												
	CNMG432-UM	.031	.006 ~ .012	.039 ~ .118	● 0897	● 0338		○ 0114	○ 0843	● 2174	● 3175	● 0100	● 0140												
	CNMG433-UM	.047	.006 ~ .012	.059 ~ .118		● 1075		○ 0525		● 2218	● 3280	● 0486	● 0526												
Medium Machining Unstable condition																									
NEW -GM	CNMG431-GM	.016	.004 ~ .016	.000 ~ .000						● 3630	● 3651					● 3690									
	CNMG432-GM	.031	.004 ~ .020	.000 ~ .000						● 3631	● 3652					● 3695									
	CNMG433-GM	.047	.008 ~ .022	.039 ~ .000						● 3632	● 3653					● 3700									
Medium machining for steel & Stainless steel																									

Turning Inserts - Negative

CNMG (80° Rhombic)

Refer to Turning holder p. 87



Series	IC	S	Series	IC	S
CN.. 43	.500	.187	CN.. 64	.750	.250
CN.. 54	.625	.250	CN.. 86	1.000	.375

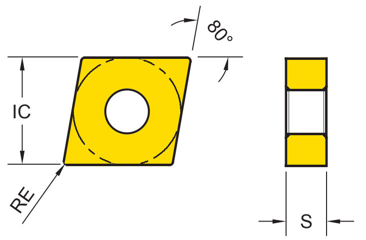
EDP 2200.. ● : Stock item ○ : Order made item

CNMG	Designation	RE	Fn (In/rev.)	Ap (In)	YG1010	YG1001	YG1020	YG3010	YG3015	YG3115	YG3125	YG3020	YG3030	YG801	YG2025	YG2035	YG211	YG213	YG214	YG401	YG411	YT100	YT100G	YG100	YG10
					K10	P05 K20	K20	P10 K30	P15	P10	P25	P20	P30	P20	M25	M35	M15	M30	M40 S30	S10	S10	P15 M15 K15	P10 M10 K10	N20	N20
-UG	CNMG431-UG	.016	.008 ~ .016	.020 ~ .118	● 1578	○ 1073	● 3492	○ 0181		● 2219	● 3201	● 0182	● 0183												
	CNMG432-UG	.031	.008 ~ .016	.039 ~ .118	● 0896	○ 0337	● 3437	○ 0113	○ 1001	● 2178	● 3174	● 0099	● 0139	○ 0001											
	CNMG433-UG	.047	.008 ~ .016	.059 ~ .118	● 1579	○ 0685	● 3493	○ 0198		● 2199	● 3206	● 0199	● 0200												
	CNMG542-UG	.031	.008 ~ .016	.039 ~ .197	● 1826	○ 1077		○ 1078		● 2599	● 3314	● 0748	● 0749												
	CNMG543-UG	.047	.008 ~ .016	.059 ~ .197	● 1827	○ 0791		○ 0530		● 2430	● 3285	● 0508	● 0531		○ 3152	● 3701									
	CNMG544-UG	.063	.012 ~ .020	.079 ~ .197	● 1828	○ 1229		○ 0534		● 2600	● 3287	● 0510	● 0535												
	CNMG642-UG	.031	.008 ~ .024	.039 ~ .236	● 1847			○ 0801		● 2601	● 3321	● 0802	● 0803												
	CNMG643-UG	.047	.008 ~ .024	.059 ~ .236						● 2603	● 3408	● 2306	● 2307												
Medium Machining at stable condition																									
-PWM	CNMG431-PWM	.016	.004 ~ .020	.020 ~ .138	● 1940	○ 1941				● 2593	● 3391	● 1977	● 2046												
	CNMG432-PWM	.031	.004 ~ .020	.031 ~ .138	● 2047					● 2595	● 3354	● 1251	● 1319		○ 3153	● 3694						● 2715			
	CNMG433-PWM	.047	.004 ~ .020	.039 ~ .138	● 1697					● 2597	● 3390	● 1950	● 1951												
Wiper-Medium																									
-UC	CNMG431-UC	.016	.008 ~ .016	.020 ~ .157	● 0895	○ 0096	● 3436	○ 0115		● 2372	● 3176	● 0101	● 0116												
	CNMG432-UC	.031	.008 ~ .016	.039 ~ .157	● 1483	○ 0062	● 3472	○ 0117		● 2172	● 3177	● 0102	● 0118												
	CNMG433-UC	.047	.008 ~ .016	.059 ~ .157	● 0873	○ 0088	● 3429	○ 0119		● 2185	● 3178	● 0103	● 0120												
Cast iron and Medium roughing																									
-UR	CNMG432-UR	.031	.012 ~ .020	.039 ~ .197	● 1536	○ 1050	● 3486	○ 0195		● 2196	● 3205	● 0196	● 0197												
	CNMG433-UR	.047	.012 ~ .020	.059 ~ .197	● 0878	○ 1051	● 3430	○ 0204		● 2179	● 3208	● 0205	● 0206	○ 0004		○ 2223									
	CNMG434-UR	.063	.012 ~ .020	.079 ~ .197	● 1530	○ 1076	● 3485	○ 0707		● 2213	● 3298	● 0623	● 0847												
	CNMG542-UR	.031	.012 ~ .020	.039 ~ .197	● 1668	○ 1079		○ 1080		● 2426	● 3315	● 0750	● 0751												
	CNMG543-UR	.047	.012 ~ .020	.059 ~ .197	● 0882	○ 0792	● 3434	○ 0532		● 2197	● 3286	● 0509	● 0533												
	CNMG544-UR	.063	.012 ~ .020	.079 ~ .197	● 0938	○ 0676	● 3453	○ 0536		● 2187	● 3288	● 0511	● 0537												
	CNMG642-UR	.031	.012 ~ .031	.118 ~ .354	● 1848		○ 3544	○ 0804		● 2427	● 3322	● 0805	● 0806												
	CNMG643-UR	.047	.012 ~ .031	.118 ~ .354	● 1829	○ 0450	● 3527	○ 0451		● 2355	● 3307	● 0698	● 0699												
	CNMG644-UR	.063	.012 ~ .031	.118 ~ .354	● 1830	○ 0480	● 3528	○ 0481		● 2583	● 3311	● 0734	● 0735												
Roughing	CNMG866-UR	.094	.016 ~ .039	.197 ~ .472						● 2604	● 3382	● 1687	● 1464												
-KR	CNMG432-KR	.031	.012 ~ .024	.039 ~ .197	● 1503	○ 0718	● 3477	○ 0800		● 2594															
	CNMG433-KR	.047	.012 ~ .024	.059 ~ .197	● 0879	○ 0719	● 3431	○ 1100		● 2596															
	CNMG543-KR	.047	.012 ~ .024	.059 ~ .236	● 1504	○ 1091	○ 3478	○ 1092		● 2581															
	CNMG544-KR	.063	.012 ~ .024	.079 ~ .236	● 1588	○ 1093	○ 3498	○ 1094		● 2582															
Cast Iron Heavy Roughing	CNMG643-KR	.047	.012 ~ .039	.118 ~ .354	● 2264					● 2602															

Turning Inserts - Negative

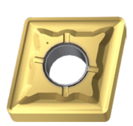
CNMG (80˚ Rhombic)

Refer to Turning holder p.87



Series	IC	S
CN.. 43	.500	.187
CN.. 54	.625	.250
CN.. 64	.750	.250

EDP 2200..   ● : Stock item   ○ : Order made item

CNMG	Designation	RE	Fn (In/rev.)	Ap (In)	YG1010	YG1001	YG1020	YG3010	YG3015	YG3115	YG3125	YG3020	YG3030	YG801	YG2025	YG2035	YG211	YG213	YG214	YG401	YG411	YT100	YT100G	YG100	YG10
					K10	P05 K20	K20	P10 K30	P15	P10	P25	P20	P30	P20	M25	M35	M15	M30	M40 S30	S10	S10	P15 M15 K15	P10 M10 K10	N20	N20
-MF  Stainless steel Finishing	CNMG431-MF	.016	.003 ~ .012	.008 ~ .059						○ 2727	○ 3347	○ 1185	○ 1237		● 2451	● 3688	● 0609	● 0613	● 1708	○ 2271					
	CNMG432-MF	.031	.003 ~ .012	.008 ~ .059						● 2865			○ 0652		● 2452	● 3691	● 0538	● 0539	● 0627	○ 2272					
	CNMG433-MF	.047	.003 ~ .012	.008 ~ .059						● 2866			○ 1025		● 2453	● 3696			● 1139						
-MM  Stainless steel Medium	CNMG431-MM	.016	.008 ~ .014	.020 ~ .138													● 0547	● 0548	● 1709	○ 2286					
	CNMG432-MM	.031	.008 ~ .014	.039 ~ .138							○ 3251	○ 0360	○ 0188				● 0494	● 0495	● 0607	○ 2287					
	CNMG433-MM	.047	.008 ~ .014	.059 ~ .138									○ 0521		○ 3004	● 3698	● 0549	● 0550	● 0626	○ 2288					
	CNMG642-MM	.031	.008 ~ .020	.079 ~ .217													● 1969	● 1970	● 1933						
	CNMG643-MM	.047	.008 ~ .022	.079 ~ .217													● 1971	● 1972	● 1934						
-MG  Stainless steel General	CNMG431-MG	.016	.008 ~ .016	.020 ~ .157									○ 2445		● 2465	● 3689									
	CNMG432-MG	.031	.008 ~ .016	.039 ~ .157									○ 1371		● 2468	● 3692	● 1490	● 1491	● 1090	● 1222					
	CNMG433-MG	.047	.008 ~ .016	.059 ~ .157											● 2469	● 3697	● 1493	● 1494	● 0928	● 1221					
	CNMG542-MG	.031	.008 ~ .018	.039 ~ .157													● 1921	● 1917	● 1919	● 1812					
	CNMG543-MG	.047	.008 ~ .020	.079 ~ .157													● 1922	● 1918	● 1920	● 1813					
	CNMG544-MG	.063	.008 ~ .020	.079 ~ .157													● 1929	● 1930	● 1535	● 1540					
	CNMG644-MG	.063	.008 ~ .020	.079 ~ .197													● 1931	● 1932	● 1534	● 1541					
-MR  Stainless steel Roughing	CNMG432-MR	.031	.012 ~ .022	.079 ~ .217									○ 0594		● 2730	● 3693	● 0540	● 0541	● 0608						
	CNMG433-MR	.047	.012 ~ .022	.079 ~ .217							○ 3323	○ 0839	○ 0840		● 2480	● 3699	● 0610	● 0614	● 0628						
	CNMG434-MR	.063	.012 ~ .022	.079 ~ .217													● 1893	● 1894	● 1895						
	CNMG544-MR	.063	.012 ~ .022	.079 ~ .000											● 2838	● 3702									

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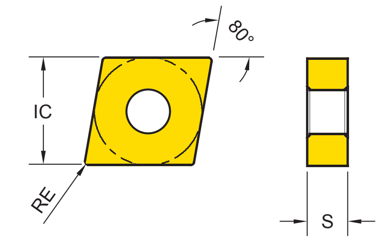
YGTURN INCH

Turning Inserts - Negative

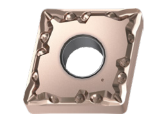
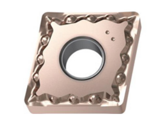
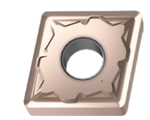
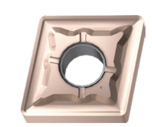
CNGG / CNMG (80˚ Rhombic)

Refer to Turning holder p.87



Series	IC	S
CN.. 43	.500	.187

EDP 2200..   ● : Stock item   ○ : Order made item

CNGG CNMG	Designation	RE	Fn (In/rev.)	Ap (In)	YG1010	YG1001	YG1020	YG3010	YG3015	YG3115	YG3125	YG3020	YG3030	YG801	YG2025	YG2035	YG211	YG213	YG214	YG401	YG411	YT100	YT100G	YG100	YG10
					K10	P05 K20	K20	P10 K30	P15	P10	P25	P20	P30	P20	M25	M35	M15	M30	M40 S30	S10	S10	P15 M15 K15	P10 M10 K10	N20	N20
- SF  HRSA Finishing	CNGG430-SF	.004	.004 ~ .010	.004 ~ .039																● 1882	● 3997				
	CNGG430.5-SF	.008	.004 ~ .010	.004 ~ .039																● 2097	● 3998				
	CNGG431-SF	.016	.004 ~ .010	.008 ~ .039																● 1291	● 3999				
	CNGG432-SF	.031	.004 ~ .010	.008 ~ .039																● 0943	● 4000				
- SF  HRSA Finishing	CNMG431-SF	.016	.004 ~ .010	.008 ~ .039																	● 4035				
	CNMG432-SF	.031	.004 ~ .010	.016 ~ .039																	● 4036				
- SM  HRSA Medium	CNMG431-SM	.016	.006 ~ .012	.020 ~ .118																● 3565	● 4001				
	CNMG432-SM	.031	.006 ~ .012	.020 ~ .118													○ 1088	○ 1089	○ 1395	● 1189	● 4002				
	CNMG433-SM	.047	.006 ~ .012	.020 ~ .118													○ 1373	○ 1394	○ 2305	● 1292	● 4003				
- SR  HRSA Roughing	CNMG432-SR	.031	.012 ~ .022	.079 ~ .217																● 0945	● 3992				
	CNMG433-SR	.047	.012 ~ .022	.079 ~ .217																● 1279	● 4004				
	CNMG434-SR	.063	.012 ~ .022	.079 ~ .217																● 1912	● 4005				
- PSF  Cermet Finishing	CNMG431-PSF	.016	.003 ~ .012	.016 ~ .118																		● 2531	○ 3576		
	CNMG432-PSF	.031	.004 ~ .014	.024 ~ .118																		● 2532	○ 3577		

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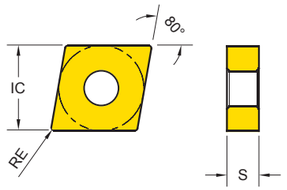
CNMM - Heavy Turning (80° Rhombic)

Refer to Turning holder p. 87



Series	IC	S
CN.. 43	.500	.187
CN.. 54	.625	.250

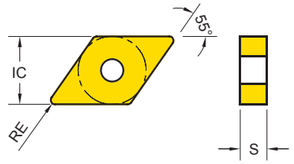
Series	IC	S
CN.. 64	.750	.250
CN.. 85	1.000	.313
CN.. 86	1.000	.375

EDP 2200.. ● : Stock item ○ : Order made item

CNMM	Designation	RE	Fn (In/rev.)	Ap (In)	K10 YG1010	P05 K20 YG1001	K20 YG1020	P10 K30 YG3010	P15 YG3015	P10 YG3115	P25 YG3125	P20 YG3020	P30 YG3030	P20 YG801	M25 YG2025	M35 YG2035	M15 YG211	M30 YG213	M40 S30 YG214	S10 YG401	S10 YG411	P15 M15 K15 YT100	P10 M10 K10 YT100G	N20 YG100	N20 YG10
- UH Low cutting force	CNMM432-UH	.031	.012 ~ .020	.059 ~ .197						● 2737	● 3411	● 2320	● 2321		● 2760										
	CNMM433-UH	.047	.012 ~ .022	.063 ~ .197						● 2776					● 2777										
	CNMM434-UH	.063	.012 ~ .024	.079 ~ .197						● 2437					● 2761										
	CNMM543-UH	.047	.014 ~ .024	.079 ~ .217						● 2738	● 3409	● 2316	● 2317		● 2762										
	CNMM544-UH	.063	.014 ~ .024	.098 ~ .217						● 2577	● 3410	● 2318	● 2319		● 2763										
	CNMM643-UH	.047	.014 ~ .028	.059 ~ .354	● 2107			● 2108		● 2739	● 3395	● 2113	● 2114		● 2764										
	CNMM644-UH	.063	.014 ~ .028	.079 ~ .354	● 2115			● 2116		● 2778	● 3396	● 2117	● 2118		● 2765										
	CNMM646-UH	.094	.014 ~ .028	.118 ~ .354	● 2109			● 2110		● 2576	● 3394	● 2111	● 2112		● 2766										
	CNMM856-UH	.094	.016 ~ .031	.118 ~ .394						● 2740					● 2767										
	CNMM866-UH	.094	.016 ~ .031	.118 ~ .394	● 2119			● 2120		● 2741	● 3397	● 2121	● 2122		● 2768										
- UT Heavy Roughing	CNMM432-UT	.031	.016 ~ .028	.059 ~ .236						● 2748	● 3412	● 2322	● 2323												
	CNMM543-UT	.047	.018 ~ .028	.079 ~ .236						● 2749	● 3418	● 2335	● 2336												
	CNMM544-UT	.063	.018 ~ .028	.098 ~ .236						● 2750	● 3413	● 2324	● 2325												
	CNMM643-UT	.047	.020 ~ .039	.118 ~ .472	● 2139		○ 3552	● 2140		● 2751	● 3402	● 2141	● 2142												
	CNMM644-UT	.063	.020 ~ .039	.157 ~ .472	● 2143		○ 3553	● 2144		● 2779	● 3403	● 2145	● 2146												
	CNMM646-UT	.094	.020 ~ .039	.236 ~ .472	● 2147		○ 3554	● 2148		● 2718	● 3404	● 2149	● 2150												
	CNMM856-UT	.094	.016 ~ .031	.118 ~ .394						● 2752															
	CNMM866-UT	.094	.022 ~ .047	.236 ~ .512	● 2151		○ 3555	● 2152		● 2753	● 3392	● 2021	● 2022												

DNMA / DNMG (55° Rhombic)

Refer to Turning holder p. 88



Series	IC	S
DN.. 33	.375	.187
DN.. 43	.500	.187
DN.. 44	.500	.250

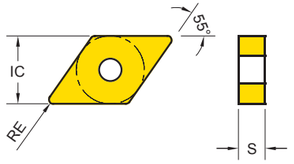
EDP 2200.. ● : Stock item ○ : Order made item

DNMA DNMG	Designation	RE	Fn (In/rev.)	Ap (In)	K10 YG1010	P05 K20 YG1001	K20 YG1020	P10 K30 YG3010	P15 YG3015	P10 YG3115	P25 YG3125	P20 YG3020	P30 YG3030	P20 YG801	M25 YG2025	M35 YG2035	M15 YG211	M30 YG213	M40 S30 YG214	S10 YG401	S10 YG411	P15 M15 K15 YT100	P10 M10 K10 YT100G	N20 YG100	N20 YG10
..MA Cast iron	DNMA431	.016	.004 ~ .020	.020 ~ .197	● 1558	○ 1505	○ 3489	○ 1506																	
	DNMA432	.031	.006 ~ .020	.039 ~ .197	● 1559	○ 0573	● 3490	○ 0574																	
	DNMA433	.047	.006 ~ .020	.059 ~ .197	● 1421	○ 0575	● 3467	○ 0576																	
	DNMA441	.016	.004 ~ .020	.020 ~ .197	● 1581	○ 1445	● 3495	○ 1447																	
	DNMA442	.031	.006 ~ .020	.039 ~ .197	● 1557	○ 0091	● 3488	○ 1129																	
	DNMA443	.047	.006 ~ .020	.059 ~ .197	● 1422	○ 0092	● 3468	○ 1130																	
-UF Finishing	DNMG431-UF	.016	.002 ~ .010	.020 ~ .098				○ 0363		● 2220	● 3252	● 0364	● 0365	○ 0016			○ 2226								
	DNMG432-UF	.031	.002 ~ .010	.039 ~ .098				○ 0856	○ 1030	● 2221	● 3317	● 0774	● 0857												
	DNMG433-UF	.047	.002 ~ .010	.059 ~ .098				○ 1450		● 2584	● 3364	● 1368	● 1383												
	DNMG441-UF	.016	.002 ~ .010	.020 ~ .098				○ 0225		● 2398	● 3215	● 0226	● 0227	○ 0018			○ 2228								
	DNMG442-UF	.031	.002 ~ .010	.039 ~ .098				○ 0231		● 2419	● 3217	● 0232	● 0233												
	DNMG443-UF	.047	.002 ~ .010	.059 ~ .098				○ 1385		● 2610	● 3365	● 1369	● 1386												
NEW -PWF Wiper-Finishing	DNMG331-PWF	.016	.003 ~ .012	.012 ~ .098	● 3850					● 3566	● 3861		● 3868												
	DNMG332-PWF	.031	.004 ~ .016	.020 ~ .098	● 3851					● 3561	● 3862		● 3869												
	DNMG432-PWF	.031	.004 ~ .016	.020 ~ .138	● 3852					● 3857	● 3863		● 3870												
	DNMG442-PWF	.031	.004 ~ .016	.020 ~ .138	● 3853					● 3143	● 3864		● 3871												
-UL Light Machining and Sticky Material	DNMG331-UL	.016	.004 ~ .012	.020 ~ .098				○ 1239		● 2606	● 3352	● 1240	● 1241												
	DNMG332-UL	.031	.004 ~ .012	.039 ~ .098				○ 1242		● 2607	● 3353	● 1243	● 1244												
	DNMG431-UL	.016	.004 ~ .012	.020 ~ .118				○ 0686		● 2444	● 3302	● 0687	● 0708												
	DNMG432-UL	.031	.004 ~ .012	.039 ~ .118				○ 0489	○ 1028	● 2337	● 3284	● 0504	● 0505												
	DNMG433-UL	.047	.004 ~ .012	.059 ~ .118				○ 0709	○ 1029	● 2314	● 3342	● 1108	● 1109												
	DNMG441-UL	.016	.004 ~ .012	.020 ~ .118				○ 0369		● 2404	● 3254	● 0370	● 1110												
	DNMG442-UL	.031	.004 ~ .012	.039 ~ .118				○ 0237		● 2214	● 3219	● 0238	● 0239												
	DNMG443-UL	.047	.004 ~ .012	.059 ~ .118				○ 0246		● 2611	● 3222	● 0247	● 0248												

Turning Inserts - Negative

DNMG (55° Rhombic)

Refer to Turning holder p. 88



Series	IC	S
DN.. 33	.375	.187
DN.. 43	.500	.187
DN.. 44	.500	.250

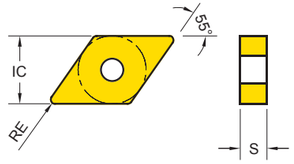
EDP 2200.. ● : Stock item ○ : Order made item

DNMG	Designation	RE	Fn (In/rev.)	Ap (In)	YG1010	YG1001	YG1020	YG3010	YG3015	YG3115	YG3125	YG3020	YG3030	YG801	YG2025	YG2035	YG211	YG213	YG214	YG401	YG411	YT100	YT100G	YG100	YG10
					K10	P05 K20	K20	P10 K30	P15	P10	P25	P20	P30	P20	M25	M35	M15	M30	M40 S30	S10	S10	P15 M15 K15	P10 M10 K10	N20	N20
-UM	DNMG431-UM	.016	.006 ~ .012	.020 ~ .118	○ 1672	○ 1472		○ 1702		● 2608	● 3383	● 1703	● 1707												
Medium Machining Unstable condition	DNMG432-UM	.031	.006 ~ .012	.039 ~ .118		○ 1106		○ 0688		● 2360	● 3303	● 0689	● 0701												
	DNMG433-UM	.047	.006 ~ .012	.059 ~ .118		○ 0604		○ 0512		● 2203	● 3282	● 0488	● 0705												
	DNMG441-UM	.016	.006 ~ .012	.020 ~ .118		○ 1408		○ 1436		● 2609	● 3368	● 1409	● 1425												
	DNMG442-UM	.031	.006 ~ .012	.039 ~ .118		○ 1128		○ 0240		● 2201	● 3220	● 0241	● 0242												
	DNMG443-UM	.047	.006 ~ .012	.059 ~ .118		○ 1149		○ 1132		● 2612	● 3305	● 0695	● 0706												
NEW -GM	DNMG431-GM	.016	.006 ~ .016	.020 ~ .157						● 3633	● 3654					● 3717									
Medium machining for steel & Stainless steel	DNMG432-GM	.031	.007 ~ .020	.031 ~ .157						● 3634	● 3655					● 3721									
	DNMG433-GM	.047	.008 ~ .022	.039 ~ .157						● 3636	● 3657					● 3724									
	DNMG442-GM	.031	.007 ~ .020	.031 ~ .157						● 3635	● 3656					● 3730									
	DNMG443-GM	.047	.008 ~ .022	.039 ~ .157						● 3637	● 3658					● 3733									
-UG	DNMG332-UG	.031	.008 ~ .016	.039 ~ .098						● 2780															
Medium Machining at stable condition	DNMG333-UG	.047	.008 ~ .016	.059 ~ .098						● 2781															
	DNMG431-UG	.016	.008 ~ .016	.020 ~ .118	● 1618	○ 1544	● 3507	○ 1131		● 2443	● 3316	● 0772	● 1137												
	DNMG432-UG	.031	.008 ~ .016	.039 ~ .118	● 1608	○ 0452	● 3499	○ 0366		● 2368	● 3253	● 0367	● 0368	○ 0017		○ 2227									
	DNMG433-UG	.047	.008 ~ .016	.059 ~ .118	● 1514	○ 0703	● 3484	○ 1107		● 2442	● 3281	● 0487	● 0704												
	DNMG441-UG	.016	.008 ~ .016	.020 ~ .118	● 1619	○ 1545	● 3508	○ 0228		● 2375	● 3216	● 0229	● 0230												
	DNMG442-UG	.031	.008 ~ .016	.039 ~ .118	● 1609	○ 0453	● 3500	○ 0234		● 2212	● 3218	● 0235	● 0236	○ 0019		○ 2229									
	DNMG443-UG	.047	.008 ~ .016	.059 ~ .118	● 1511	○ 0454	● 3481	○ 0243		● 2356	● 3221	● 0244	● 0245												
	DNMG444-UG	.063	.008 ~ .016	.071 ~ .118						● 2720															
-UC	DNMG431-UC	.016	.008 ~ .016	.020 ~ .157	● 3827		● 3625			● 3829	● 3830		● 3828												
Cast iron and Medium roughing	DNMG432-UC	.031	.008 ~ .016	.039 ~ .157	● 1611	○ 0577	● 3502	○ 0578	○ 1273	● 2388	● 3348	● 1193	● 0700												
	DNMG433-UC	.047	.008 ~ .016	.059 ~ .157	● 1512	○ 0579	● 3482	○ 0580		● 2373	● 3345	● 1168	● 0702												
	DNMG441-UC	.016	.008 ~ .016	.020 ~ .157	● 3570		● 3831			● 3571	● 3572		● 3832												
	DNMG442-UC	.031	.008 ~ .016	.039 ~ .157	● 0898	○ 0090	● 3438	○ 0121	○ 1272	● 2376	● 3179	● 0104	● 0122												
	DNMG443-UC	.047	.008 ~ .016	.059 ~ .157	● 1509	○ 0098	● 3479	○ 0123		● 2410	● 3180	● 0105	● 0124												
-UR	DNMG432-UR	.031	.012 ~ .020	.039 ~ .197	● 1621	○ 1095	● 3510	○ 0585		● 2446	● 3341	● 1096	● 1097												
Roughing	DNMG433-UR	.047	.012 ~ .020	.059 ~ .197	● 1513	○ 1127	● 3483	○ 0581		● 2400	● 3343	● 1134	● 1101												
	DNMG442-UR	.031	.012 ~ .020	.039 ~ .197	● 1622	○ 0691	● 3511	○ 0692		● 2447	● 3304	● 0693	● 0854												
	DNMG443-UR	.047	.012 ~ .020	.059 ~ .197	● 1510	○ 1258	● 3480	○ 0371		● 2416	● 3255	● 0372	● 0373	○ 0020		○ 2230									
	DNMG444-UR	.063	.012 ~ .020	.071 ~ .197	● 3833		● 3834			● 3626	● 3836		● 3835												

Turning Inserts - Negative

DNMG (55° Rhombic)

Refer to Turning holder p. 88



Series	IC	S
DN.. 33	.375	.187
DN.. 43	.500	.187
DN.. 44	.500	.250

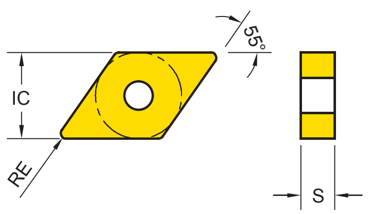
EDP 2200.. ● : Stock item ○ : Order made item

DNMG	Designation	RE	Fn (In/rev.)	Ap (In)	YG1010	YG1001	YG1020	YG3010	YG3015	YG3115	YG3125	YG3020	YG3030	YG801	YG2025	YG2035	YG211	YG213	YG214	YG401	YG411	YT100	YT100G	YG100	YG10
					K10	P05 K20	K20	P10 K30	P15	P10	P25	P20	P30	P20	M25	M35	M15	M30	M40 S30	S10	S10	P15 M15 K15	P10 M10 K10	N20	N20
-MF	DNMG431-MF	.016	.003 ~ .012	.008 ~ .059						● 2867					● 2454	● 3715	● 0848	● 0771	● 1815	○ 2273		● 3140	○ 3620		
Stainless steel Finishing	DNMG432-MF	.031	.003 ~ .012	.008 ~ .059						● 2869			○ 0807		● 2456	● 3718	● 0849	● 0773	● 1816	○ 2274					
	DNMG441-MF	.016	.003 ~ .012	.008 ~ .059						○ 2728					● 2455	● 3725	● 0811	● 0850	● 1819	○ 1945					
	DNMG442-MF	.031	.003 ~ .012	.008 ~ .059						○ 2729	○ 3349	○ 1202	○ 0813		● 2457	● 3727	● 0812	● 0859	● 1820	○ 2275					
-MM	DNMG431-MM	.016	.008 ~ .014	.020 ~ .138									○ 0527				● 0551	● 0552	● 1710	○ 2289					
Stainless steel Medium	DNMG432-MM	.031	.008 ~ .014	.039 ~ .138									○ 0506				● 0513	● 0514	● 1788	○ 2290					
	DNMG433-MM	.047	.008 ~ .014	.059 ~ .138									○ 0529				● 0561	● 0562	● 1711	○ 2291					
	DNMG441-MM	.016	.008 ~ .014	.020 ~ .138									○ 0528				● 0553	● 0554	● 1712	○ 2292					
	DNMG442-MM	.031	.008 ~ .014	.039 ~ .138									○ 0507				● 0515	● 0516	● 0690	○ 2293					
	DNMG443-MM	.047	.008 ~ .014	.059 ~ .138									○ 0496				● 0563	● 0564	● 0694	○ 2294					
-MG	DNMG331-MG	.016	.008 ~ .016	.020 ~ .118												● 2839	● 3713								
Stainless steel General	DNMG332-MG	.031	.008 ~ .016	.031 ~ .118												● 2840	● 3714								
	DNMG431-MG	.016	.008 ~ .016	.020 ~ .157												● 2466	● 3716								
	DNMG432-MG	.031	.008 ~ .016	.039 ~ .157						○ 3149						● 2470	● 3719	● 1561	● 1562	● 1563	● 1560				
	DNMG433-MG	.047	.008 ~ .016	.059 ~ .157												● 2483	● 3722								
	DNMG441-MG	.016	.008 ~ .016	.020 ~ .157												● 2467	● 3726								
	DNMG442-MG	.031	.008 ~ .016	.039 ~ .157						● 2717						● 2471	● 3728	● 1565	● 1566	● 1567	● 1564				
	DNMG443-MG	.047	.008 ~ .016	.059 ~ .157												● 2484	● 3731								
-MR	DNMG432-MR	.031	.012 ~ .022	.079 ~ .217									○ 1036			● 2492	● 3720	● 0914	● 0808	● 0809					
Stainless steel Roughing	DNMG433-MR	.047	.012 ~ .022	.079 ~ .217												● 2791	● 3723	● 0929	● 0930	● 0810					
	DNMG442-MR	.031	.012 ~ .022	.079 ~ .217									○ 1037			● 2481	● 3729	● 0860	● 0814	● 0815					
	DNMG443-MR	.047	.012 ~ .022	.079 ~ .217												● 2792	● 3732	● 0861	● 0862	● 0816					

Turning Inserts - Negative

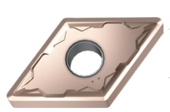
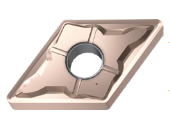
DNGG / DNMG (55˚ Rhombic)

Refer to Turning holder p.88



Series	IC	S
DN.. 43	.500	.187
DN.. 44	.500	.250

EDP 2200.. ● : Stock item ○ : Order made item

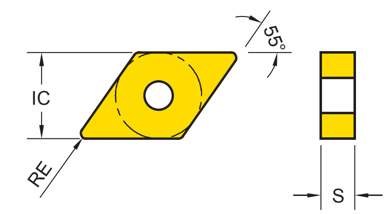
DNGG DNMG	Designation	RE	Fn (In/rev.)	Ap (In)	YG1010	YG1001	YG1020	YG3010	YG3015	YG3115	YG3125	YG3020	YG3030	YG801	YG2025	YG2035	YG211	YG213	YG214	YG401	YG411	YT100	YT100G	YG100	YG10
					K10	P05 K20	K20	P10 K30	P15	P10	P25	P20	P30	P20	M25	M35	M15	M30	M40 S30	S10	S10	P15 M15 K15	P10 M10 K10	N20	N20
-SF  HRSA Finishing	DNGG431-SF	.016	.004～.010	.008～.039																● 1295	● 4006				
	DNGG432-SF	.031	.004～.010	.008～.039																● 1293	● 4007				
	DNGG441-SF	.016	.004～.010	.008～.039																● 1296	● 4008				
	DNGG442-SF	.031	.004～.010	.008～.039																● 1294	● 4009				
-SF  HRSA Finishing	DNMG431-SF	.016	.004～.010	.008～.039																	● 4037				
	DNMG432-SF	.031	.004～.010	.016～.039																	● 4038				
	DNMG441-SF	.016	.004～.010	.008～.039																	● 4039				
	DNMG442-SF	.031	.004～.010	.016～.039																	● 4040				
-SM  HRSA Medium	DNMG432-SM	.031	.006～.012	.020～.118						○ 3148							○ 1417	○ 1412	○ 1817	● 1300	● 4010				
	DNMG433-SM	.047	.006～.012	.020～.118													○ 1419	○ 1413	○ 1818	● 1303	● 4012				
	DNMG442-SM	.031	.006～.012	.020～.118						● 2716							○ 1418	○ 1414	○ 1821	● 1301	● 4014				
	DNMG443-SM	.047	.006～.012	.020～.118													○ 1420	○ 1415	○ 1822	● 1302	● 4016				
-SR  HRSA Roughing	DNMG432-SR	.031	.012～.022	.079～.217																● 1298	● 4011				
	DNMG433-SR	.047	.012～.022	.079～.217																● 1297	● 4013				
	DNMG442-SR	.031	.012～.022	.079～.217																● 1280	● 4015				
	DNMG443-SR	.047	.012～.022	.079～.217																● 1299	● 4017				
-PSF  Cermet Finishing	DNMG431-PSF	.016	.003～.012	.016～.118																		● 2533	○ 3578		
	DNMG432-PSF	.031	.004～.014	.024～.118																		● 2534	○ 3579		
	DNMG441-PSF	.016	.003～.012	.016～.118																		● 2724	○ 3609		
	DNMG442-PSF	.031	.004～.014	.024～.118																		● 2725	○ 3610		

YGTURN INCH

Turning Inserts - Negative

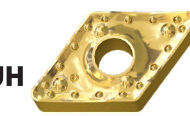
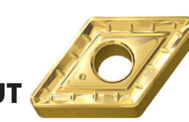
DNMM - Heavy Turning (55˚ Rhombic)

Refer to Turning holder p.88



Series	IC	S
DN.. 44	.500	.250

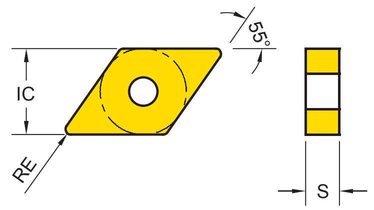
EDP 2200.. ● : Stock item ○ : Order made item

DNMM	Designation	RE	Fn (In/rev.)	Ap (In)	YG1010	YG1001	YG1020	YG3010	YG3015	YG3115	YG3125	YG3020	YG3030	YG801	YG2025	YG2035	YG211	YG213	YG214	YG401	YG411	YT100	YT100G	YG100	YG10
					K10	P05 K20	K20	P10 K30	P15	P10	P25	P20	P30	P20	M25	M35	M15	M30	M40 S30	S10	S10	P15 M15 K15	P10 M10 K10	N20	N20
-UH  Low cutting force	DNMM443-UH	.047	.012～.020	.079～.276						● 2731	● 3414	● 2327	● 2328		● 2769										
-UT  Heavy Roughing	DNMM443-UT	.047	.016～.028	.079～.315						● 2732	● 3415	● 2329	● 2330												

Turning Inserts - Negative

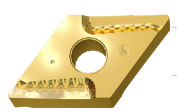
DNUX (4 Corners 55˚ Rhombic)

Refer to Turning holder p. 88



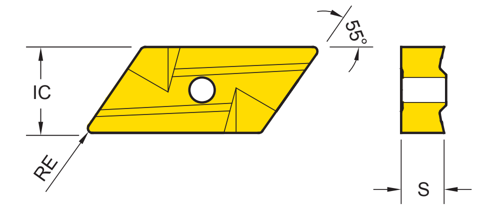
Series	IC	S
DNUX.. 43	.500	.187
DNUX.. 44	.500	.250

EDP 2200.. ●: Stock item ○: Order made item

DNUX	Designation	RE	Fn (In/rev.)	Ap (In)	YG1010 (K10)	YG1001 (P05/K20)	YG1020 (K20)	YG3010 (P10/K30)	YG3015 (P15)	YG3115 (P10)	YG3125 (P25)	YG3020 (P20)	YG3030 (P30)	YG801 (P20)	YG2025 (M25)	YG2035 (M35)	YG211 (M15)	YG213 (M30)	YG214 (M40/S30)	YG401 (S10)	YG411 (S10)	YT100 (P15/M15/K15)	YT100G (P10/M10/K10)	YG100 (N20)	YG10 (N20)
..UX  Left Hand Shown	DNUX431L	.016	.004 ~ .014	.028 ~ .157				○ 1874		● 2613	● 3388	● 1872	● 1875												
	DNUX432L	.031	.004 ~ .014	.039 ~ .157				○ 1876		● 2615	● 3389	● 1877	● 1878												
	DNUX441L	.016	.004 ~ .014	.028 ~ .157				○ 1873		● 2617	● 3386	● 1869	● 1870					● 2735							
	DNUX442L	.031	.004 ~ .014	.039 ~ .157				○ 1879		● 2619	● 3387	● 1871	● 1880					● 2736							
..UX  Right Hand Shown	DNUX431R	.016	.004 ~ .014	.028 ~ .157				○ 1628		● 2614	● 3377	● 1555	● 1629									● 2734	○ 3612		
	DNUX432R	.031	.004 ~ .014	.039 ~ .157				○ 1630		● 2616	● 3381	● 1631	● 1632												
	DNUX441R	.016	.004 ~ .014	.028 ~ .157				○ 1625		● 2618	● 3357	● 1322	● 1323					● 1327	● 1321	● 2052					
	DNUX442R	.031	.004 ~ .014	.039 ~ .157				○ 1633		● 2620	● 3376	● 1546	● 1634				● 1948	● 1547		● 1574					

Turning Inserts - Negative

KNUX (2 Corners 55˚ Parallelogram)



Series	IC	S
KN.. 1604	.375	.187

EDP 2200.. ●: Stock item ○: Order made item

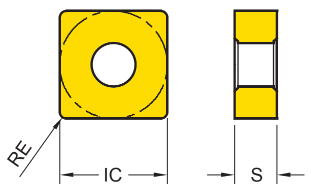
KNUX	Designation	RE	Fn (In/rev.)	Ap (In)	YG1010 (K10)	YG1001 (P05/K20)	YG1020 (K20)	YG3010 (P10/K30)	YG3015 (P15)	YG3115 (P10)	YG3125 (P25)	YG3020 (P20)	YG3030 (P30)	YG801 (P20)	YG2025 (M25)	YG2035 (M35)	YG211 (M15)	YG213 (M30)	YG214 (M40/S30)	YG401 (S10)	YG411 (S10)	YT100 (P15/M15/K15)	YT100G (P10/M10/K10)	YG100 (N20)	YG10 (N20)
..UX  Left Hand Shown	KNUX160405L	.020	.004 ~ .016	.020 ~ .236				○ 0249		● 2621	● 3223	● 0250	● 0251	○ 0079											
	KNUX160410L	.039	.012 ~ .024	.039 ~ .236				○ 1785		● 2622	● 3384	● 1786	● 1315												
..UX  Right Hand Shown	KNUX160405R	.020	.004 ~ .016	.020 ~ .236				○ 0252		● 2408	● 3224	● 0253	● 0254	○ 0080											
	KNUX160410R	.039	.012 ~ .024	.039 ~ .236				○ 1358		● 2623	● 3344	● 1155	● 1156												

Turning Inserts - Negative

SNMA / SNMG (90˚ Square)

Refer to Turning holder p.89

Series	IC	S	Series	IC	S
SN.. 32	.375	.125	SN.. 54	.625	.250
SN.. 43	.500	.187	SN.. 64	.750	.250



EDP 2200.. ● : Stock item ○ : Order made item



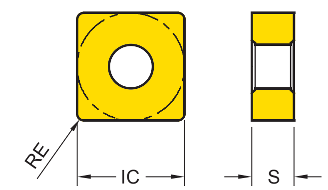

SNMA SNMG	Designation	RE	Fn (In/rev.)	Ap (In)	YG1010	YG1001	YG1020	YG3010	YG3015	YG3115	YG3125	YG3020	YG3030	YG801	YG2025	YG2035	YG211	YG213	YG214	YG401	YG411	YT100	YT100G	YG100	YG10
					K10	P05 K20	K20	P10 K30	P15	P10	P25	P20	P30	P20	M25	M35	M15	M30	M40 S30	S10	S10	P15 M15 K15	P10 M10 K10	N20	N20
..MA Cast iron	SNMA432	.031	.006 ~ .020	.039 ~ .197	● 0767	○ 0027	● 3427	○ 1166																	
	SNMA433	.047	.006 ~ .020	.059 ~ .197	● 0768	○ 0028	● 3428	○ 1133																	
	SNMA434	.063	.006 ~ .020	.071 ~ .197	● 2023																				
	SNMA543	.047	.006 ~ .020	.059 ~ .197	● 1423	○ 0729	● 3469	○ 1150																	
	SNMA644	.063	.006 ~ .020	.079 ~ .354	● 1344	○ 1184	● 3465	○ 1261																	
-UF Finishing	SNMG322-UF	.031	.002 ~ .008	.039 ~ .079						● 2630	● 3337	● 0999													
	SNMG431-UF	.016	.002 ~ .010	.020 ~ .098				○ 1458		● 2631	● 3373	● 1459	● 1454	○ 0029			○ 2237								
	SNMG432-UF	.031	.002 ~ .010	.039 ~ .098				○ 1430		● 2633	● 3370	● 1433	● 1437												
-UL Light Machining and Sticky Material	SNMG431-UL	.016	.004 ~ .012	.020 ~ .118				○ 1167		● 2632	● 3313	● 0747	● 1194												
	SNMG432-UL	.031	.004 ~ .012	.039 ~ .118				○ 0389		● 2634	● 3261	● 0390	● 0391												
-UM Medium Machining Unstable condition	SNMG432-UM	.031	.006 ~ .012	.039 ~ .118		○ 0983		○ 0739		● 2635	● 3318	● 0784	● 0740												

Turning Inserts - Negative

SNMG (90˚ Square)

Refer to Turning holder p.89

Series	IC	S	Series	IC	S
SN.. 43	.500	.187	SN.. 64	.750	.250
SN.. 54	.625	.250	SN.. 86	1.000	.375



EDP 2200.. ● : Stock item ○ : Order made item



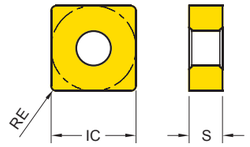

SNMG	Designation	RE	Fn (In/rev.)	Ap (In)	YG1010	YG1001	YG1020	YG3010	YG3015	YG3115	YG3125	YG3020	YG3030	YG801	YG2025	YG2035	YG211	YG213	YG214	YG401	YG411	YT100	YT100G	YG100	YG10
					K10	P05 K20	K20	P10 K30	P15	P10	P25	P20	P30	P20	M25	M35	M15	M30	M40 S30	S10	S10	P15 M15 K15	P10 M10 K10	N20	N20
-UG Medium Machining at stable condition	SNMG432-UG	.031	.008 ~ .016	.039 ~ .118	● 1610	○ 1190	● 3501	○ 0141		● 2361	● 3188	● 0142	● 0143	○ 0030			○ 2238			○ 3150					
	SNMG433-UG	.047	.008 ~ .016	.059 ~ .118	● 1640	○ 1164	● 3517	○ 0258		● 2411	● 3226	● 0259	● 0260												
	SNMG434-UG	.063	.008 ~ .016	.079 ~ .118	● 1646	○ 1165		○ 0744	○ 0789	● 2638	● 3346	● 1169	● 1195												
-UC Cast iron and Medium roughing	SNMG431-UC	.016	.008 ~ .016	.020 ~ .157	● 3567					● 3568															
	SNMG432-UC	.031	.008 ~ .016	.039 ~ .157	● 1488	○ 0073	● 3476	○ 0125		● 2405	● 3181	● 0106	● 0126												
	SNMG433-UC	.047	.008 ~ .016	.059 ~ .157	● 0900	○ 0074	● 3439	○ 0127		● 2429	● 3182	● 0107	● 0128												
-UR Roughing	SNMG432-UR	.031	.012 ~ .020	.039 ~ .197	● 1623	○ 1163	● 3512	○ 0392		● 2401	● 3262	● 0393	● 0394												
	SNMG433-UR	.047	.012 ~ .020	.059 ~ .197	● 1624	○ 1052	● 3513	○ 0261		● 2585	● 3227	● 0262	● 0263	○ 0031			○ 2239								
	SNMG434-UR	.063	.012 ~ .020	.079 ~ .197	● 1837	○ 0988		○ 0974	○ 0975	● 2639	● 3336	● 0971	● 0977												
	SNMG544-UR	.063	.012 ~ .024	.079 ~ .276						● 3156					● 3157	● 3753									
	SNMG643-UR	.047	.012 ~ .031	.118 ~ .354						● 2640	○ 3338	● 1018	● 1026												
	SNMG644-UR	.063	.012 ~ .031	.118 ~ .354	● 1838	○ 1256	● 3535			● 2641	● 3378	● 1583	● 1584		○ 0180	● 3754									
	SNMG866-UR	.094	.016 ~ .039	.197 ~ .472							● 3366	● 1370	● 1366												
-KR Cast Iron Heavy Roughing	SNMG433-KR	.047	.012 ~ .024	.059 ~ .197	● 1064	○ 1063	● 3457	○ 1065		● 2636															
	SNMG434-KR	.063	.012 ~ .024	.079 ~ .197	● 1208	○ 0730	● 3462	○ 0950	○ 0965	● 2637															

YG TURN INCH

Turning Inserts - Negative

SNMG (90° Square)

Refer to Turning holder p. 89



Series	IC	S
SN.. 32	.375	.125
SN.. 43	.500	.187

EDP 2200.. ● : Stock item ○ : Order made item

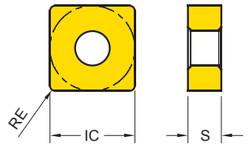
SNMG	Designation	RE	Fn (In/rev.)	Ap (In)	YG1010	YG1001	YG1020	YG3010	YG3015	YG3115	YG3125	YG3020	YG3030	YG801	YG2025	YG2035	YG211	YG213	YG214	YG401	YG411	YT100	YT100G	YG100	YG10
					K10	P05 K20	K20	P10 K30	P15	P10	P25	P20	P30	P20	M25	M35	M15	M30	M40 S30	S10	S10	P15 M15 K15	P10 M10 K10	N20	N20
-MF	 Stainless steel Finishing	SNMG431-MF	.016	.003 ~ .012	.008 ~ .059												● 0978	● 0979	● 0981	○ 2276					
		SNMG432-MF	.031	.003 ~ .012	.008 ~ .059					● 2872			○ 0818		● 2459	● 3746	● 0653	● 0654	● 0817	○ 2277					
		SNMG433-MF	.047	.003 ~ .012	.008 ~ .059					● 2873			○ 0821		● 2460	● 3749	● 0655	● 0656	● 0820	○ 2278					
-MM	 Stainless steel Medium	SNMG432-MM	.031	.008 ~ .014	.039 ~ .138												● 0555	● 0556	● 1014	○ 2295					
		SNMG433-MM	.047	.008 ~ .014	.059 ~ .138												● 0565	● 0566	● 1789	○ 2296					
-MG	 Stainless steel General	SNMG431-MG	.016	.008 ~ .016	.020 ~ .157										● 2485	● 3745									
		SNMG432-MG	.031	.008 ~ .016	.039 ~ .157										● 2475	● 3747	● 1804	● 1805	● 1806	● 1695					
		SNMG433-MG	.047	.008 ~ .016	.059 ~ .157										● 2486	● 3750									
-MR	 Stainless steel Roughing	SNMG432-MR	.031	.012 ~ .022	.079 ~ .217								○ 1059		● 2495	● 3748	● 0657	● 0658	● 0819						
		SNMG433-MR	.047	.012 ~ .022	.079 ~ .217								○ 0823		● 2496	● 3751	● 0659	● 0660	● 0822						
		SNMG434-MR	.063	.012 ~ .022	.079 ~ .217										● 2497	● 3752									
-SM	 HRSA Medium	SNMG321-SM	.016	.006 ~ .012	.020 ~ .118												○ 2434			● 2435	● 4018				
		SNMG432-SM	.031	.006 ~ .012	.020 ~ .118												○ 1801	○ 1802	○ 1803	● 1696	● 4019				
-SR	 HRSA Roughing	SNMG432-SR	.031	.012 ~ .022	.079 ~ .217															● 1305	● 4020				
		SNMG433-SR	.047	.012 ~ .022	.079 ~ .217															● 1304	● 4021				

YG TURN INCH

Turning Inserts - Negative

SNMM - Heavy Turning (90° Square)

Refer to Turning holder p. 89



Series	IC	S
SN.. 54	.625	.250
SN.. 64	.750	.250

Series	IC	S
SN.. 85	1.000	.313
SN.. 86	1.000	.375

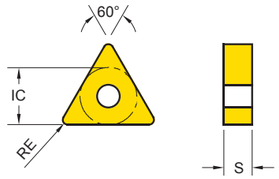
EDP 2200.. ● : Stock item ○ : Order made item

SNMM	Designation	RE	Fn (In/rev.)	Ap (In)	YG1010	YG1001	YG1020	YG3010	YG3015	YG3115	YG3125	YG3020	YG3030	YG801	YG2025	YG2035	YG211	YG213	YG214	YG401	YG411	YT100	YT100G	YG100	YG10
					K10	P05 K20	K20	P10 K30	P15	P10	P25	P20	P30	P20	M25	M35	M15	M30	M40 S30	S10	S10	P15 M15 K15	P10 M10 K10	N20	N20
-UH	 Low cutting force	SNMM543-UH	.047	.014 ~ .024	.079 ~ .217					● 2742	● 3416	● 2331	● 2332		● 2770										
		SNMM643-UH	.047	.014 ~ .028	.059 ~ .354	● 2123			● 2124	● 2743	● 3398	● 2125	● 2126		● 2771										
		SNMM644-UH	.063	.014 ~ .028	.079 ~ .354	● 2127			● 2128	● 2744	● 3399	● 2129	● 2130		● 2772										
		SNMM646-UH	.094	.014 ~ .028	.118 ~ .354	● 2131			● 2132	● 2745	● 3400	● 2133	● 2134		● 2773										
		SNMM856-UH	.094	.016 ~ .031	.118 ~ .394					● 2746					● 2774										
		SNMM866-UH	.094	.016 ~ .031	.118 ~ .394	● 2135			● 2136	● 2747	● 3401	● 2137	● 2138		● 2775										
-UT	 Heavy Roughing	SNMM543-UT	.047	.018 ~ .028	.079 ~ .236					● 2754	● 3417	● 2333	● 2334												
		SNMM643-UT	.047	.020 ~ .039	.118 ~ .472	● 2153		○ 3556	● 2154	● 2755	● 3405	● 2155	● 2156												
		SNMM644-UT	.063	.020 ~ .039	.157 ~ .472	● 2157		○ 3557	● 2158	● 2756	● 3406	● 2159	● 2160												
		SNMM646-UT	.094	.020 ~ .039	.236 ~ .472	● 2161		○ 3558	● 2018	● 2757	● 3407	● 2162	● 2163												
		SNMM856-UT	.094	.022 ~ .047	.236 ~ .512	● 2850	● 1330		● 1255	● 2758	● 3324	● 0841	● 0842												
		SNMM866-UT	.094	.022 ~ .047	.236 ~ .512	● 2164	● 1334	○ 3559	● 1626	● 2759	● 3380	● 1627	● 1213												

Turning Inserts - Negative

TNMA / TNMG (60° Triangle)

Refer to Turning holder p. 90



Series	IC	S
TN.. 33	.375	.187
TN.. 43	.500	.187

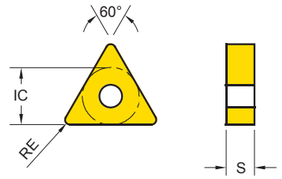
EDP 2200.. ● : Stock item ○ : Order made item

TNMA TNMG	Designation	RE	Fn (In/rev.)	Ap (In)	YG1010	YG1001	YG1020	YG3010	YG3015	YG3115	YG3125	YG3020	YG3030	YG801	YG2025	YG2035	YG211	YG213	YG214	YG401	YG411	YT100	YT100G	YG100	YG10
					K10	P05 K20	K20	P10 K30	P15	P10	P25	P20	P30	P20	M25	M35	M15	M30	M40 S30	S10	S10	P15 M15 K15	P10 M10 K10	N20	N20
..MA	TNMA331	.016	.006 ~ .020	.020 ~ .197	● 1582	○ 1446	● 3496	○ 1448																	
Cast iron	TNMA332	.031	.006 ~ .020	.039 ~ .197	● 1486	○ 0035	● 3475	○ 1191																	
	TNMA333	.047	.006 ~ .020	.059 ~ .197	● 1485	○ 0036	● 3474	○ 1192																	
-UF	TNMG331-UF	.016	.002 ~ .010	.020 ~ .098				○ 0270		● 2363	● 3230	● 0271	● 0272	○ 0039											
Finishing	TNMG332-UF	.031	.002 ~ .010	.039 ~ .098				○ 0276		● 2217	● 3232	● 0277	● 0278												
	TNMG333-UF	.047	.002 ~ .010	.059 ~ .098				○ 0721		● 2645	● 3294	● 0588	● 1197												
	TNMG431-UF	.016	.004 ~ .014	.020 ~ .157				○ 0407		● 2409	● 3350	● 1203	● 1205	○ 0042											
NEW -PWF	TNMG331-PWF	.016	.003 ~ .010	.012 ~ .098	● 3854					● 3858	● 3865		● 3872									○ 3873			
Wiper-Finishing																									
-UL	TNMG331-UL	.016	.004 ~ .012	.020 ~ .118				○ 1605		● 2643	● 3379	● 1606	● 1607												
Light Machining and Sticky Material	TNMG332-UL	.031	.004 ~ .012	.039 ~ .118				○ 0279	○ 0752	● 2374	● 3233	● 0280	● 0281												
	TNMG333-UL	.047	.004 ~ .012	.059 ~ .118				○ 0884	○ 0868	● 2586	● 3297	● 0621	● 1198												
-UM	TNMG331-UM	.016	.006 ~ .012	.020 ~ .118	○ 1669	○ 0949		○ 0948	○ 0844	● 2644	● 3334	● 0952	● 0954												
Medium Machining Unstable condition	TNMG332-UM	.031	.006 ~ .012	.039 ~ .118	○ 1141	○ 1053		○ 0282	○ 0758	● 2195	● 3234	● 0283	● 0284												
	TNMG333-UM	.047	.006 ~ .012	.059 ~ .118	○ 1143	○ 0596		○ 0597	○ 0760	● 2587	● 3292	● 0586	● 0710												
NEW -GM	TNMG331-GM	.016	.006 ~ .016	.020 ~ .177						● 3638	● 3659								● 3767						
Medium machining for steel & Stainless steel	TNMG332-GM	.031	.007 ~ .020	.031 ~ .177						● 3639	● 3660								● 3771						
	TNMG333-GM	.047	.008 ~ .022	.039 ~ .177						● 3640	● 3661								● 3774						

Turning Inserts - Negative

TNMG (60° Triangle)

Refer to Turning holder p. 90



Series	IC	S
TN.. 33	.375	.187
TN.. 43	.500	.187

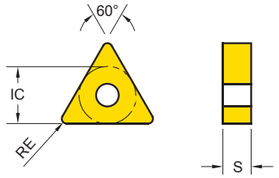
EDP 2200.. ● : Stock item ○ : Order made item

TNMG	Designation	RE	Fn (In/rev.)	Ap (In)	YG1010	YG1001	YG1020	YG3010	YG3015	YG3115	YG3125	YG3020	YG3030	YG801	YG2025	YG2035	YG211	YG213	YG214	YG401	YG411	YT100	YT100G	YG100	YG10
					K10	P05 K20	K20	P10 K30	P15	P10	P25	P20	P30	P20	M25	M35	M15	M30	M40 S30	S10	S10	P15 M15 K15	P10 M10 K10	N20	N20
-UG	TNMG331-UG	.016	.008 ~ .016	.020 ~ .118	● 1620	○ 0458	● 3509	○ 0273		● 2171	● 3231	● 0274	● 0275												
Medium Machining at stable condition	TNMG332-UG	.031	.008 ~ .016	.039 ~ .118	● 1140	○ 0459	● 3458	○ 0144	○ 0757	● 2182	● 3189	● 0145	● 0146	○ 0037			○ 2242								
	TNMG333-UG	.047	.008 ~ .016	.059 ~ .118	● 1142	○ 0605	● 3459	○ 0606	○ 0759	● 2200	● 3293	● 0587	● 0939												
	TNMG432-UG	.031	.010 ~ .024	.039 ~ .236	● 1641	○ 1061	● 3518	○ 0285		● 2394	● 3235	● 0286	● 0287	○ 0040											
	TNMG433-UG	.047	.010 ~ .024	.059 ~ .236	● 1642	○ 1526	● 3519	○ 1527		● 2694	● 3375	● 1528	● 1529												
	TNMG434-UG	.063	.010 ~ .024	.079 ~ .236	● 1647	○ 1209	○ 3520	○ 0851	○ 0863	● 2695	● 3325	● 0852	● 1263												
-UC	TNMG331-UC	.016	.008 ~ .016	.020 ~ .157	● 1316	○ 0399	● 3463	○ 0400		● 2423	● 3265	● 0401	● 0402												
Cast iron and Medium roughing	TNMG332-UC	.031	.008 ~ .016	.039 ~ .157	● 0901	○ 0075	● 3440	○ 0129		● 2382	● 3183	● 0108	● 0130												
	TNMG333-UC	.047	.008 ~ .016	.059 ~ .157	● 0902	○ 0076	● 3441	○ 0131		● 2413	● 3184	● 0109	● 0132												
	TNMG434-UC	.063	.008 ~ .016	.079 ~ .157							● 3374	● 1507													
-UR	TNMG332-UR	.031	.012 ~ .020	.039 ~ .197	● 0880	○ 0680	● 3432	○ 0669		● 2395	● 3300	● 0670	● 1054												
Roughing	TNMG333-UR	.047	.012 ~ .020	.059 ~ .197	● 1657	○ 0602	● 3523	○ 0404	○ 0888	● 2406	● 3266	● 0405	● 0406	○ 0038			○ 2243								
	TNMG433-UR	.047	.012 ~ .026	.059 ~ .276	● 1639	○ 0408	● 3516	○ 0409		● 2403	● 3267	● 0410	● 0411	○ 0041											
	TNMG434-UR	.063	.012 ~ .026	.079 ~ .276	● 1658	○ 0460	● 3524	○ 0461		● 2696	● 3306	● 0696	● 0711												

Turning Inserts - Negative

TNMG (60° Triangle)

Refer to Turning holder p. 90



Series	IC	S
TN.. 33	.375	.187

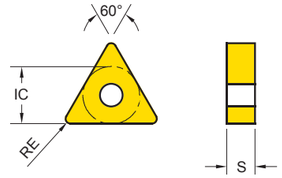
EDP 2200.. ● : Stock item ○ : Order made item

TNMG	Designation	RE	Fn (In/rev.)	Ap (In)	YG1010	YG1001	YG1020	YG3010	YG3015	YG3115	YG3125	YG3020	YG3030	YG801	YG2025	YG2035	YG211	YG213	YG214	YG401	YG411	YT100	YT100G	YG100	YG10
					K10	P05 K20	K20	P10 K30	P15	P10	P25	P20	P30	P20	M25	M35	M15	M30	M40 S30	S10	S10	P15 M15 K15	P10 M10 K10	N20	N20
-MF	TNMG331-MF	.016	.003 ~ .012	.008 ~ .059						● 2889			● 2952		● 2788	● 3765	● 0824	● 0775	● 1457	○ 1343		● 3141	○ 3621		
Stainless steel Finishing	TNMG332-MF	.031	.003 ~ .012	.008 ~ .059						● 2871	○ 3335	○ 0963			● 2458	● 3768	● 0589	● 0776	● 0825	○ 1285					
-MM	TNMG331-MM	.016	.008 ~ .014	.020 ~ .138													● 0567	● 0568	● 1790	○ 2297					
Stainless steel Medium	TNMG332-MM	.031	.008 ~ .014	.039 ~ .138													● 0569	● 0570	● 0913	○ 1281					
	TNMG333-MM	.047	.008 ~ .014	.059 ~ .138													● 0611	● 0603	● 1791	○ 1288					
-MG	TNMG331-MG	.016	.008 ~ .016	.020 ~ .157											● 2472	● 3766	● 1455	● 1456	● 1219	● 1515					
Stainless steel General	TNMG332-MG	.031	.008 ~ .016	.039 ~ .157											● 2473	● 3769	● 1568	● 1569	● 1713	● 1660					
	TNMG333-MG	.047	.008 ~ .020	.079 ~ .157											● 2474	● 3772	● 2104	● 2105	● 2103	● 2054					
-MR	TNMG332-MR	.031	.012 ~ .022	.079 ~ .217									○ 0727		● 2493	● 3770	● 0826	● 0985	● 0726						
Stainless steel Roughing	TNMG333-MR	.047	.012 ~ .022	.079 ~ .217									○ 1062		● 2494	● 3773	● 0995	● 0827	● 0828						

Turning Inserts - Negative

TNGG / TNMG (60° Triangle)

Refer to Turning holder p. 90



Series	IC	S
TN.. 33	.375	.187
TN.. 43	.500	.187

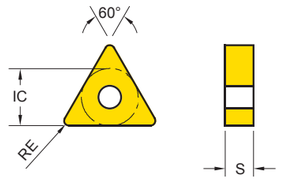
EDP 2200.. ● : Stock item ○ : Order made item

TNMG	Designation	RE	Fn (In/rev.)	Ap (In)	YG1010	YG1001	YG1020	YG3010	YG3015	YG3115	YG3125	YG3020	YG3030	YG801	YG2025	YG2035	YG211	YG213	YG214	YG401	YG411	YT100	YT100G	YG100	YG10
					K10	P05 K20	K20	P10 K30	P15	P10	P25	P20	P30	P20	M25	M35	M15	M30	M40 S30	S10	S10	P15 M15 K15	P10 M10 K10	N20	N20
-SF	TNMG332-SF	.031	.004 ~ .010	.008 ~ .039																● 1427	● 4022				
HRSA Finishing																									
-SM	TNMG332-SM	.031	.006 ~ .012	.020 ~ .118													○ 1575	○ 1576	○ 1577	● 1228	● 4023				
HRSA Medium	TNMG333-SM	.047	.006 ~ .012	.020 ~ .118													○ 1635	○ 1636	○ 1858	● 1508	● 4025				
	TNMG433-SM	.047	.007 ~ .013	.039 ~ .236																● 3161	● 4043				
-SR	TNMG332-SR	.031	.012 ~ .022	.079 ~ .217																● 1307	● 4024				
HRSA Roughing	TNMG333-SR	.047	.012 ~ .022	.079 ~ .217																● 1306	● 4026				

Turning Inserts - Negative

TNGG / TNMG (60° Triangle)

Refer to Turning holder p. 90



Series	IC	S
TN.. 33	.375	.187

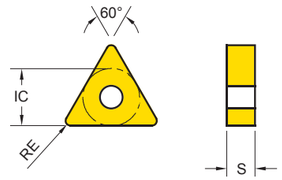
EDP 2200.. ● : Stock item ○ : Order made item

TNGG TNMG	Designation	RE	Fn (In/rev.)	Ap (In)	K10	P05 K20	K20	P10 K30	P15	P10	P25	P20	P30	P20	M25	M35	M15	M30	M40 S30	S10	S10	P15 M15 K15	P10 M10 K10	N20	N20
					YG1010	YG1001	YG1020	YG3010	YG3015	YG3115	YG3125	YG3020	YG3030	YG801	YG2025	YG2035	YG211	YG213	YG214	YG401	YG411	YT100	YT100G	YG100	YG10
-PSF	TNMG331-PSF	.016	.003 ~ .012	.016 ~ .098																		● 2535	○ 3580		
Cermet Finishing	TNMG332-PSF	.031	.004 ~ .014	.024 ~ .098																		● 2536	○ 3581		
NEW -S	TNGG330.5L-S	.008	.004 ~ .008	.012 ~ .079																		● 2859			
Cermet Finishing Left Hand Shown	TNGG331L-S	.016	.004 ~ .008	.016 ~ .079																		● 2860			
	TNGG332L-S	.031	.005 ~ .009	.024 ~ .079																		● 2861			
NEW -S	TNGG330.5R-S	.008	.004 ~ .008	.012 ~ .079																		● 2856			
Cermet Finishing Right Hand Shown	TNGG331R-S	.016	.004 ~ .008	.016 ~ .079																		● 2857			
	TNGG332R-S	.031	.005 ~ .009	.024 ~ .079																		● 2858			
-C	TNGG330.5L-C	.008	.008 ~ .016	.012 ~ .138																			○ 2524		
Cermet Medium Left Hand Shown	TNGG331L-C	.016	.008 ~ .016	.020 ~ .138																			○ 2526		
	TNGG332L-C	.031	.008 ~ .016	.039 ~ .138																			○ 2528		
-C	TNGG330.5R-C	.008	.008 ~ .016	.012 ~ .138																			○ 2525		
Cermet Medium Right Hand Shown	TNGG331R-C	.016	.008 ~ .016	.020 ~ .138																			○ 2527		
	TNGG332R-C	.031	.008 ~ .016	.039 ~ .138																			○ 2529		

Turning Inserts - Negative

TNMM - Heavy Turning (60° Triangle)

Refer to Turning holder p. 90



Series	IC	S
TN.. 33	.375	.187
TN.. 43	.500	.187

EDP 2200.. ● : Stock item ○ : Order made item

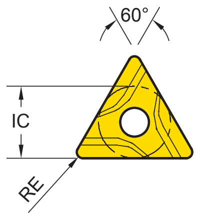
TNMM	Designation	RE	Fn (In/rev.)	Ap (In)	K10	P05 K20	K20	P10 K30	P15	P10	P25	P20	P30	P20	M25	M35	M15	M30	M40 S30	S10	S10	P15 M15 K15	P10 M10 K10	N20	N20
					YG1010	YG1001	YG1020	YG3010	YG3015	YG3115	YG3125	YG3020	YG3030	YG801	YG2025	YG2035	YG211	YG213	YG214	YG401	YG411	YT100	YT100G	YG100	YG10
-UH	TNMM333-UH	.047	.012 ~ .020	.079 ~ .197						● 2846															
Low cutting force	TNMM433-UH	.047	.012 ~ .020	.079 ~ .276						● 2848															

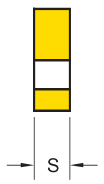
Turning Inserts - Negative

TNUX (60˚ Triangle)

Refer to Turning holder p.90

Series	IC	S
TNUX 33	.375	.187





EDP 2200.. ● : Stock item ○ : Order made item

TNUX	Designation	RE	Fn (In/rev.)	Ap (In)	YG1010	YG1001	YG1020	YG3010	YG3015	YG3115	YG3125	YG3020	YG3030	YG801	YG2025	YG2035	YG211	YG213	YG214	YG401	YG411	YT100	YT100G	YG100	YG10
..UX  Left Hand Shown	TNUX331L	.016	.004 ~ .012	.020 ~ .157				○ 0412		● 2425	● 3268	● 0413	● 1264	○ 0043			● 2248								
	TNUX332L	.031	.004 ~ .016	.039 ~ .197				○ 0414		● 2198	● 3269	● 0415	● 0675	○ 0045			○ 0731								
..UX  Right Hand Shown	TNUX331R	.016	.004 ~ .012	.020 ~ .157				○ 0288		● 2390	● 3236	● 0289	● 0290	● 0044			● 2249			● 3144		● 2733	○ 3611		
	TNUX332R	.031	.004 ~ .016	.039 ~ .197				○ 0291		● 2354	● 3237	● 0292	● 0293	● 0046			● 2250			● 3145					

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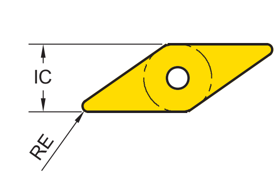
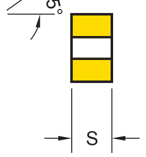
Turning Inserts - Negative

VNMA / VNMG (35˚ Rhombic)

Refer to Turning holder p.91

Series	IC	S
VN.. 33	.375	.187





EDP 2200.. ● : Stock item ○ : Order made item

VNMA VNMG	Designation	RE	Fn (In/rev.)	Ap (In)	YG1010	YG1001	YG1020	YG3010	YG3015	YG3115	YG3125	YG3020	YG3030	YG801	YG2025	YG2035	YG211	YG213	YG214	YG401	YG411	YT100	YT100G	YG100	YG10
..MA  Cast iron	VNMA332	.031	.006 ~ .016	.039 ~ .197	● 1573	○ 0162	● 3491	○ 1275																	
-UF  Finishing	VNMG331-UF	.016	.002 ~ .010	.020 ~ .098				○ 0306		● 2205	● 3242	● 0307	● 0308	○ 0049											
	VNMG332-UF	.031	.002 ~ .010	.039 ~ .098				○ 0309		● 2207	● 3243	● 0310	● 0311												
-UL  Light Machining and Sticky Material	VNMG331-UL	.016	.004 ~ .012	.020 ~ .118				○ 0886		● 2412	● 3327	● 0912	● 0723												
	VNMG332-UL	.031	.004 ~ .012	.039 ~ .118				○ 0428	○ 0790	● 2202	● 3273	● 0429	● 0853												
	VNMG333-UL	.047	.004 ~ .012	.059 ~ .118						● 2431															
-UM  Medium Machining Unstable condition	VNMG332-UM	.031	.006 ~ .012	.039 ~ .118		○ 1357		○ 1359		● 2424	● 3363	● 1361	● 1362												
	VNMG333-UM	.047	.006 ~ .012	.059 ~ .118		○ 1230		○ 0736	○ 0870	● 2701	● 3312	● 0737	● 1214												
NEW -GM  Medium machining for steel & Stainless steel	VNMG331-GM	.016	.004 ~ .014	.000 ~ .000						● 3641	● 3662					● 3792									
	VNMG332-GM	.031	.004 ~ .014	.000 ~ .000						● 3642	● 3663					● 3796									
	VNMG333-GM	.047	.008 ~ .016	.039 ~ .000						● 3643	● 3664					● 3799									
-UG  Medium Machining at stable condition	VNMG331-UG	.016	.008 ~ .016	.020 ~ .118	● 1648	○ 1331	● 3521	○ 0993		● 2420	● 3332	● 0940	● 0994												
	VNMG332-UG	.031	.008 ~ .016	.039 ~ .118	● 1000	○ 0462	● 3455	○ 0312		● 2176	● 3244	● 0313	● 0314	○ 0050											
	VNMG333-UG	.047	.008 ~ .016	.059 ~ .118	● 1659	○ 1345	● 3525	○ 0931		● 2407	● 3331	● 0927	● 0917												
-UC  Cast iron and Medium roughing	VNMG331-UC	.016	.008 ~ .016	.020 ~ .138	● 1612	○ 0885	○ 3503	○ 0423		● 2366	● 3356	● 1276	● 1277												
	VNMG332-UC	.031	.008 ~ .016	.039 ~ .138	● 0980	○ 0094	● 3454	○ 0424		● 2210	● 3272	● 0425	● 0426												
	VNMG333-UC	.047	.008 ~ .016	.059 ~ .138	● 1587	○ 1381	● 3497	○ 1392		● 2700	● 3367	● 1382	● 1384												
-UR  Roughing	VNMG333-UR	.047	.012 ~ .018	.059 ~ .157	● 1638	○ 1231	○ 3515	○ 0430	○ 0871	● 2380	● 3274	● 0431	● 0432	○ 0051											

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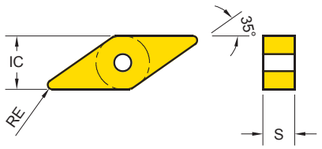
Turning Inserts - Negative

VNGG / VNMG (35° Rhombic)

Refer to Turning holder p. 91



Series	IC	S
VN.. 33	.375	.187

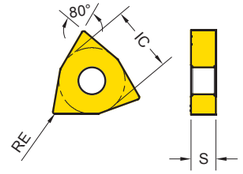
EDP 2200.. ● : Stock item ○ : Order made item

VNGG VNMG	Designation	RE	Fn (In/rev.)	Ap (In)	YG1010	YG1001	YG1020	YG3010	YG3015	YG3115	YG3125	YG3020	YG3030	YG801	YG2025	YG2035	YG211	YG213	YG214	YG401	YG411	YT100	YT100G	YG100	YG10
					K10	P05 K20	K20	P10 K30	P15	P10	P25	P20	P30	P20	M25	M35	M15	M30	M40 S30	S10	S10	P15 M15 K15	P10 M10 K10	N20	N20
-MF	VNMG331-MF	.016	.003 ~ .012	.008 ~ .059						● 2891			● 2954		● 2790	● 3790	● 0782	● 1019	● 2267	○ 2019					
Stainless steel Finishing	VNMG332-MF	.031	.003 ~ .012	.008 ~ .059						○ 2841			○ 0830		● 2464	● 3793	● 0829	● 0947	● 2283	○ 2099					
-MM	VNMG331-MM	.016	.008 ~ .014	.020 ~ .138													● 0661	● 0662	● 1792	○ 2298					
Stainless steel Medium	VNMG332-MM	.031	.008 ~ .014	.039 ~ .138													● 0663	● 0664	● 1793	○ 2299					
-MG	VNMG331-MG	.016	.008 ~ .016	.020 ~ .157											● 2489	● 3791									
Stainless steel Genera	VNMG332-MG	.031	.008 ~ .016	.039 ~ .157											● 2490	● 3794									
	VNMG333-MG	.047	.008 ~ .016	.059 ~ .157											● 2491	● 3797									
-MR	VNMG332-MR	.031	.012 ~ .022	.079 ~ .217									○ 0832		● 2500	● 3795	● 1020	● 0831	● 2304						
Stainless stee Roughing	VNMG333-MR	.047	.012 ~ .022	.079 ~ .217											● 2794	● 3798									
-SF	VNGG333-SF	.047	.004 ~ .010	.016 ~ .059															● 3158	● 4027					
HRSA Finishing																									
-SR	VNMG332-SR	.031	.012 ~ .022	.079 ~ .217															● 1449	● 4044					
HRSA Medium																									
-PSF	VNMG331-PSF	.016	.003 ~ .012	.012 ~ .079																	● 2537	○ 3582			
Cermet Finishing	VNMG332-PSF	.031	.004 ~ .014	.020 ~ .079																	● 2538	○ 3583			

Turning Inserts - Negative

WNMA / WNMG (80° Trigon)

Refer to Turning holder p. 92



Series	IC	S
WN.. 33	.375	.187
WN.. 43	.500	.187

EDP 2200.. ● : Stock item ○ : Order made item

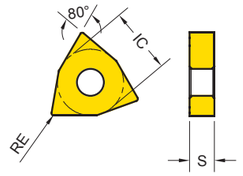
WNMA WNMG	Designation	RE	Fn (In/rev.)	Ap (In)	YG1010	YG1001	YG1020	YG3010	YG3015	YG3115	YG3125	YG3020	YG3030	YG801	YG2025	YG2035	YG211	YG213	YG214	YG401	YG411	YT100	YT100G	YG100	YG10
					K10	P05 K20	K20	P10 K30	P15	P10	P25	P20	P30	P20	M25	M35	M15	M30	M40 S30	S10	S10	P15 M15 K15	P10 M10 K10	N20	N20
..MA	WNMA333	.047	.006 ~ .020	.059 ~ .157	● 2714																				
Cast iron	WNMA431	.016	.006 ~ .020	.020 ~ .197	● 0903	○ 0052	● 3442	○ 1262																	
	WNMA432	.031	.006 ~ .020	.039 ~ .197	● 0904	○ 0053	● 3443	○ 0433																	
	WNMA433	.047	.006 ~ .020	.059 ~ .197	● 0905	○ 0054	● 3444	○ 0434																	
-UF	WNMG331-UF	.016	.002 ~ .008	.020 ~ .079				○ 0435		● 2415	● 3275	● 0436	● 0437	○ 0058											
Finishing	WNMG431-UF	.016	.002 ~ .010	.020 ~ .098				○ 0315		● 2389	● 3245	● 0316	● 0317	○ 0055											
	WNMG432-UF	.031	.002 ~ .010	.039 ~ .098				○ 0321		● 2173	● 3247	● 0322	● 0323												
	WNMG433-UF	.047	.002 ~ .010	.059 ~ .098				○ 1424		● 2708	● 3369	● 1410	● 1411												
-UL	WNMG332-UL	.031	.004 ~ .012	.039 ~ .098				○ 0439		● 2588	● 3277	● 0440	● 0441												
Light Machining and Sticky Material	WNMG431-UL	.016	.004 ~ .012	.020 ~ .118				○ 1431		● 2703	● 3371	● 1434	● 1438												
	WNMG432-UL	.031	.004 ~ .012	.039 ~ .118				○ 0324		● 2177	● 3248	● 0325	● 0326												
	WNMG433-UL	.047	.004 ~ .012	.059 ~ .118						● 2448	● 3372	● 1435													
-UM	WNMG331-UM	.016	.006 ~ .012	.020 ~ .098	○ 2106	○ 1259		○ 0741		● 2418	● 3319	● 0785	● 0742												
Medium Machining Unstable condition	WNMG332-UM	.031	.006 ~ .012	.039 ~ .098	○ 1554	○ 1260		○ 0600		● 2402	● 3296	● 0601	● 1271												
	WNMG431-UM	.016	.006 ~ .012	.020 ~ .118		○ 1313		○ 0786		● 2704	● 3320	● 0787	● 0788												
	WNMG432-UM	.031	.006 ~ .012	.039 ~ .118		○ 0470		○ 0327	○ 0761	● 2170	● 3249	● 0328	● 0329												
	WNMG433-UM	.047	.006 ~ .012	.059 ~ .118		○ 1210		○ 0649	○ 0762	● 2417	● 3295	● 0598	● 0712												
	WNMG434-UM	.063	.006 ~ .012	.079 ~ .118		○ 1234		○ 0593	○ 0763	● 2574	● 3291	● 0584	● 0713												
NEW -GM	WNMG331-GM	.016	.004 ~ .016	.000 ~ .000						● 3644	● 3665				● 3802										
Medium machining for steel & Stainless steel	WNMG332-GM	.031	.004 ~ .020	.000 ~ .000						● 3645	● 3666				● 3806										
	WNMG333-GM	.047	.008 ~ .022	.039 ~ .000						● 3646	● 3667				● 3809										
	WNMG431-GM	.016	.004 ~ .016	.000 ~ .000						● 3647	● 3668				● 3812										
	WNMG432-GM	.031	.004 ~ .020	.000 ~ .000						● 3648	● 3669				● 3816										
	WNMG433-GM	.047	.008 ~ .022	.039 ~ .000						● 3649	● 3670				● 3819										
	WNMG434-GM	.063	.008 ~ .022	.039 ~ .000						● 3650	● 3671				● 3820										

YG TURN INCH

Turning Inserts - Negative

WNMG (80° Trigon)

Refer to Turning holder p. 92



Series	IC	S
WN.. 33	.375	.187
WN.. 43	.500	.187

EDP 2200.. ● : Stock item ○ : Order made item

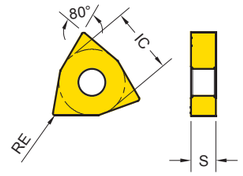
WNMG	Designation	RE	Fn (In/rev.)	Ap (In)	K10 K20 YG1010	P05 K20 YG1001	K20 YG1020	P10 K30 YG3010	P15 YG3015	P10 YG3115	P25 YG3125	P20 YG3020	P30 YG3030	P20 YG801	M25 YG2025	M35 YG2035	M15 YG211	M30 YG213	M40 S30 YG214	S10 YG401	S10 YG411	P15 M15 K15 YT100	P10 M10 K10 YT100G	N20 YG100	N20 YG10
-UG Medium Machining at stable condition	WNMG332-UG	.031	.008 ~ .016	.039 ~ .098	● 1649	○ 0697	● 3522	○ 1047		● 2428	● 3276	● 0438	● 0874	○ 0059											
	WNMG431-UG	.016	.008 ~ .016	.020 ~ .118	● 1580	○ 1232	● 3494	○ 0318		● 2392	● 3246	● 0319	● 0320												
	WNMG432-UG	.031	.008 ~ .016	.039 ~ .118	● 0908	○ 0463	● 3447	○ 0147	○ 0582	● 2194	● 3190	● 0148	● 0149	○ 0056			○ 2193	○ 0592							
	WNMG433-UG	.047	.008 ~ .016	.059 ~ .118	● 0910	○ 0466	● 3449	○ 0503	○ 0648	● 2167	● 3283	● 0490	● 0941												
	WNMG434-UG	.063	.008 ~ .016	.079 ~ .118	● 1643	○ 1233		○ 1056	○ 0764	● 2575	● 3290	● 0583	● 1238												
-PWM Wiper-Medium	WNMG332-PWM	.031	.004 ~ .016	.031 ~ .098									● 2051												
	WNMG432-PWM	.031	.004 ~ .020	.031 ~ .138						● 2706															
	WNMG433-PWM	.047	.004 ~ .020	.039 ~ .138	● 2061					● 2712			● 2064												
-UC Cast iron and Medium roughing	WNMG332-UC	.031	.008 ~ .016	.039 ~ .118	● 1444	○ 0095	● 3470	○ 0875		● 2421	● 3326	● 0876	● 0724												
	WNMG431-UC	.016	.008 ~ .016	.020 ~ .157	● 0906	○ 0097	● 3445	○ 0133		● 2367	● 3185	● 0110	● 0134												
	WNMG432-UC	.031	.008 ~ .016	.039 ~ .157	● 0907	○ 0077	● 3446	○ 0135	○ 0733	● 2186	● 3186	● 0111	● 0136												
	WNMG433-UC	.047	.008 ~ .016	.059 ~ .157	● 0909	○ 0078	● 3448	○ 0137	○ 0630	● 2168	● 3187	● 0112	● 0138												
	WNMG434-UC	.063	.008 ~ .016	.079 ~ .157	● 1187	○ 1055	● 3460	○ 1235		● 2709	● 3351	● 1236	● 0743												
-UR Roughing	WNMG333-UR	.047	.012 ~ .020	.059 ~ .157	● 1317	○ 1066		○ 1057		● 2702		● 1058	● 1060												
	WNMG333-UR	.047	.012 ~ .020	.059 ~ .157			● 3464				● 3340														
	WNMG432-UR	.031	.012 ~ .020	.039 ~ .197	● 1613	○ 0464	● 3504	○ 0465		● 2353	● 3279	● 0471	● 0472												
	WNMG433-UR	.047	.012 ~ .020	.059 ~ .197	● 1614	○ 0467	● 3505	○ 0442	○ 0631	● 2184	● 3278	● 0443	● 0444	○ 0057											
	WNMG434-UR	.063	.012 ~ .020	.079 ~ .197	● 1637	○ 0468	● 3514	○ 0469	○ 0889	● 2359	● 3310	● 0725	● 0714												
-KR Cast Iron Heavy Roughing	WNMG333-KR	.047	.012 ~ .024	.059 ~ .157	● 2713																				
	WNMG432-KR	.031	.012 ~ .024	.039 ~ .197	● 0932	○ 0720	● 3450	○ 1038		● 2705															
	WNMG433-KR	.047	.012 ~ .024	.059 ~ .197	● 0933	○ 0522	● 3451	○ 0542		● 2707															

YG TURN INCH

Turning Inserts - Negative

WNMG (80° Trigon)

Refer to Turning holder p. 92



Series	IC	S
WN.. 33	.375	.187
WN.. 43	.500	.187

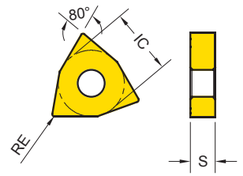
EDP 2200.. ● : Stock item ○ : Order made item

WNMG	Designation	RE	Fn (In/rev.)	Ap (In)	YG1010	YG1001	YG1020	K10 K20 P05 K20 K20 P10 K30 YG3010	P15 YG3015	P10 YG3115	P25 YG3125	P20 YG3020	P30 YG3030	P20 YG801	M25 YG2025	M35 YG2035	M15 YG211	M30 YG213	M40 S30 YG214	S10 YG401	S10 YG411	P15 M15 K15 YT100	P10 M10 K10 YT100G	N20 YG100	N20 YG10
-MF Stainless steel Finishing	WNMG331-MF	.016	.003 ~ .012	.016 ~ .079				○ 0833		● 2874			○ 0996		● 2461	● 3800	● 1215	● 1217	● 2284	○ 2279					
	WNMG332-MF	.031	.003 ~ .012	.031 ~ .079						● 2890			● 2953		● 2789	● 3803	● 1216	● 1218	● 2285	○ 2280					
	WNMG431-MF	.016	.003 ~ .012	.016 ~ .098						● 2875			○ 0834		● 2462	● 3810	● 0667	● 0668	● 0970	○ 2281					
	WNMG432-MF	.031	.003 ~ .012	.031 ~ .098						● 2876			○ 1098		● 2463	● 3813	● 0617	● 0618	● 2268	○ 2282					
-MM Stainless steel Medium	WNMG431-MM	.016	.008 ~ .014	.020 ~ .138													● 0571	● 0572	● 2300	○ 2301					
	WNMG432-MM	.031	.008 ~ .014	.039 ~ .138									○ 0491				● 0497	● 0498	● 0633	○ 2302					
	WNMG433-MM	.047	.008 ~ .014	.059 ~ .138													● 0612	● 0615	● 1926	○ 2303					
-MG Stainless steel General	WNMG331-MG	.016	.008 ~ .016	.020 ~ .118											● 2487	● 3801									
	WNMG332-MG	.031	.008 ~ .016	.039 ~ .118											● 2476	● 3804									
	WNMG333-MG	.047	.008 ~ .016	.059 ~ .118											● 2477	● 3807									
	WNMG431-MG	.016	.008 ~ .016	.020 ~ .157											● 2488	● 3811									
	WNMG432-MG	.031	.008 ~ .016	.039 ~ .157											● 2478	● 3814	● 1496	● 1497	● 1160	● 1498					
	WNMG433-MG	.047	.008 ~ .016	.059 ~ .157											● 2479	● 3817	● 1499	● 1500	● 1161	● 1501					
-MR Stainless steel Roughing	WNMG332-MR	.031	.012 ~ .022	.047 ~ .157											● 2793	● 3805									
	WNMG333-MR	.047	.012 ~ .022	.047 ~ .157									○ 1154		● 2498	● 3808	● 0616	● 1787	● 1896						
	WNMG432-MR	.031	.012 ~ .022	.079 ~ .217									○ 1099		● 2499	● 3815	● 0619	● 0620	● 0835						
	WNMG433-MR	.047	.012 ~ .022	.079 ~ .217									○ 0837		● 2482	● 3818	● 0665	● 0666	● 0836						

Turning Inserts - Negative

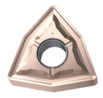
WNGG / WNMG (80° Trigon)

Refer to Turning holder p. 92



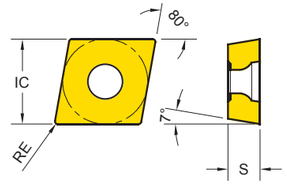
Series	IC	S
WN.. 33	.375	.187
WN.. 43	.500	.187

EDP 2200.. ● : Stock item ○ : Order made item

WNGG WNMG		Designation	RE	Fn (In/rev.)	Ap (In)	K10 YG1010	P05 K20 YG1001	K20 YG1020	P10 K30 YG3010	P15 YG3015	P10 YG3115	P25 YG3125	P20 YG3020	P30 YG3030	P20 YG801	M25 YG2025	M35 YG2035	M15 YG211	M30 YG213	M40 S30 YG214	S10 YG401	S10 YG411	P15 M15 K15 YT100	P10 M10 K10 YT100G	N20 YG100	N20 YG10
-SF	 HRSA Finishing	WNGG432-SF	.031	.004 ~ .010	.008 ~ .039																● 1308	● 4028				● 1398
		WNMG431-SF	.016	.004 ~ .010	.008 ~ .039																	● 4041			● 1278	● 1320
-SF	 HRSA Finishing	WNMG432-SF	.031	.004 ~ .010	.016 ~ .039																	● 4042			● 0340	● 0339
		WNMG432-SM	.031	.006 ~ .012	.020 ~ .118																○ 1199	● 4030			● 0330	● 0081
-SM	 HRSA Medium	WNMG433-SM	.047	.006 ~ .012	.020 ~ .118																○ 1374	● 4032			● 0331	● 0082
		WNMG333-SR	.047	.012 ~ .022	.079 ~ .157																● 1439	● 4029			● 0474	● 0473
-SR	 HRSA Roughing	WNMG432-SR	.031	.012 ~ .022	.079 ~ .217																● 1310	● 4031			● 0476	● 0475
		WNMG433-SR	.047	.012 ~ .022	.079 ~ .217																● 1309	● 4033			● 0478	● 0477
		WNMG434-SR	.063	.012 ~ .022	.079 ~ .217																● 2843	● 4034				
-PSF	 Cermet Finishing	WNMG431-PSF	.016	.003 ~ .012	.016 ~ .098																		● 2539	○ 3584		
		WNMG432-PSF	.031	.004 ~ .014	.024 ~ .098																		● 2540	○ 3585		

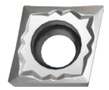
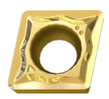
Turning Inserts - Positive

CCGT / CCMT (80° Rhombic)



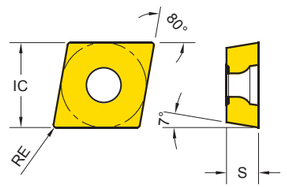
Series	IC	S
CC.. 21.5	.250	.094
CC.. 32.5	.375	.156
CC.. 43	.500	.187

EDP 2200.. ● : Stock item ○ : Order made item

CCGT CCMT		Designation	RE	Fn (In/rev.)	Ap (In)	K10 YG1010	P05 K20 YG1001	K20 YG1020	P10 K30 YG3010	P15 YG3015	P10 YG3115	P25 YG3125	P20 YG3020	P30 YG3030	P20 YG801	M25 YG2025	M35 YG2035	M15 YG211	M30 YG213	M40 S30 YG214	S10 YG401	S10 YG411	P15 M15 K15 YT100	P10 M10 K10 YT100G	N20 YG100	N20 YG10
-AL	 Aluminum	CCGT21.50.5-AL	.008	.000 ~ .005	.002 ~ .118																				● 1398
		CCGT21.51-AL	.016	.001 ~ .006	.004 ~ .118																				● 1278	● 1320
		CCGT32.50.5-AL	.008	.001 ~ .008	.002 ~ .118																				● 0340	● 0339
		CCGT32.51-AL	.016	.001 ~ .012	.004 ~ .197																				● 0330	● 0081
		CCGT32.52-AL	.031	.001 ~ .020	.004 ~ .197																				● 0331	● 0082
		CCGT430.5-AL	.008	.001 ~ .012	.002 ~ .157																				● 0474	● 0473
		CCGT431-AL	.016	.001 ~ .020	.004 ~ .197																				● 0476	● 0475
		CCGT432-AL	.031	.002 ~ .031	.004 ~ .217																				● 0478	● 0477
-UF	 Finishing	CCMT21.51-UF	.016	.002 ~ .008	.020 ~ .079				○ 0163	○ 0866	● 2365	● 3195	● 0164	● 0165												
		CCMT32.51-UF	.016	.002 ~ .010	.020 ~ .079				○ 0169		● 2371	● 3197	● 0170	● 0171												
		CCMT32.52-UF	.031	.002 ~ .010	.039 ~ .079				○ 0964		● 2578	● 3333	● 0951	● 0953												
		CCMT431-UF	.016	.004 ~ .010	.039 ~ .197						● 2579	● 3361	● 1347	● 1337												
-UG	 General	CCMT21.51-UG	.016	.004 ~ .010	.020 ~ .079	● 1377		● 3466	○ 0166		● 2357	● 3196	● 0167	● 0168	○ 0006		○ 2224		○ 1900							
		CCMT21.52-UG	.031	.004 ~ .010	.031 ~ .079	● 1825	○ 0864	○ 3526	○ 0479		● 2378	● 3301	● 0683	● 0684	○ 0009		○ 2225		○ 1901							
		CCMT32.51-UG	.016	.006 ~ .012	.020 ~ .098	● 1844		○ 3541	○ 0172		● 2206	● 3198	● 0173	● 0174	○ 0007				○ 1586							
		CCMT32.52-UG	.031	.006 ~ .012	.031 ~ .098	● 1553	○ 0445	● 3487	○ 0150		● 2180	● 3191	● 0151	● 0152	○ 0008		○ 1908		○ 1902							
		CCMT431-UG	.016	.006 ~ .014	.020 ~ .118	● 1845		○ 3542	○ 0175		● 2399	● 3199	● 0176	● 0177												
		CCMT432-UG	.031	.006 ~ .014	.031 ~ .118	● 1462	○ 1461	● 3471	○ 0153	○ 0867	● 2183	● 3192	● 0154	● 0155	○ 0005				○ 1125							
		CCMT433-UG	.047	.006 ~ .014	.047 ~ .118	● 1846		○ 3543	○ 0483		● 2580	● 3328	● 0915	● 1135					○ 1126							

Turning Inserts - Positive

CCGT / CCMT (80° Rhombic)



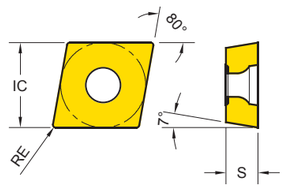
Series	IC	S
CC.. 21.5	.250	.094
CC.. 32.5	.375	.156
CC.. 43	.500	.187

EDP 2200.. ● : Stock item ○ : Order made item

CCGT CCMT	Designation	RE	Fn (In/rev.)	Ap (In)	YG1010	YG1001	YG1020	YG3010	YG3015	YG3115	YG3125	YG3020	YG3030	YG801	YG2025	YG2035	YG211	YG213	YG214	YG401	YG411	YT100	YT100G	YG100	YG10
					K10	P05 K20	K20	P10 K30	P15	P10	P25	P20	P30	P20	M25	M35	M15	M30	M40 S30	S10	S10	P15 M15 K15	P10 M10 K10	N20	N20
-SF	CCGT21.50-SF	.004	.001 ~ .006	.004 ~ .059															● 2341	● 2065	● 4045				
HRSA Finishing	CCGT21.50.5-SF	.008	.001 ~ .006	.004 ~ .059															● 2080	● 2066	● 4046				
	CCGT21.51-SF	.016	.001 ~ .008	.004 ~ .094															● 2086	● 2067	● 4047				
	CCGT32.50-SF	.004	.001 ~ .006	.004 ~ .098															● 2339	● 2071	● 4048				
	CCGT32.50.5-SF	.008	.001 ~ .006	.004 ~ .098															● 2340	● 2072	● 4049				
	CCGT32.51-SF	.016	.001 ~ .008	.004 ~ .098															● 2093	● 2073	● 4050				
	CCGT32.52-SF	.031	.001 ~ .010	.004 ~ .098															● 2096	● 2074	● 4051				
	CCMT21.50.5-MF	.008	.002 ~ .006	.003 ~ .079											● 2795	● 3673	● 2834	● 2835	● 2836		● 4086				
	CCMT21.51-MF	.016	.002 ~ .010	.004 ~ .079											● 2796	● 3674	● 2726	● 2723		● 2833	● 4087				
-MF	CCMT21.52-MF	.031	.003 ~ .011	.005 ~ .079													● 2352	● 2439	● 2440	● 2351	● 4088				
Stainless steel Finishing	CCMT32.50.5-MF	.008	.002 ~ .006	.003 ~ .079											● 2501	● 3677	● 2002	● 2003	● 2004	● 2028	● 4089				
	CCMT32.51-MF	.016	.002 ~ .010	.004 ~ .079											● 2502	● 3678	● 1589	● 1590	● 1947	● 2029	● 4090				
	CCMT32.52-MF	.031	.003 ~ .012	.006 ~ .079											● 2503	● 3680	● 1957	● 1958	● 1959	● 1943	● 4091				
	CCMT32.53-MF	.047	.004 ~ .013	.008 ~ .079																	● 4092				
	CCMT431-MF	.016	.003 ~ .010	.008 ~ .094											● 2797	● 3683									
	CCMT432-MF	.031	.003 ~ .012	.020 ~ .094											● 2798	● 3685									
	CCMT21.51-MM	.016	.002 ~ .007	.012 ~ .094											● 2811	● 3675					● 4052				
	CCMT21.52-MM	.031	.003 ~ .009	.031 ~ .094											● 2812	● 3676									
-MM	CCMT32.51-MM	.016	.003 ~ .010	.010 ~ .118											● 2514	● 3679	● 1591	● 1592	● 1946	● 2039	● 4053				
Stainless steel Medium	CCMT32.52-MM	.031	.004 ~ .012	.020 ~ .118											● 2515	● 3681	● 1887	● 1888	● 1956	● 1944	● 4054				
	CCMT32.53-MM	.047	.005 ~ .014	.039 ~ .118											● 2813	● 3682									
	CCMT431-MM	.016	.004 ~ .011	.016 ~ .165											● 2814	● 3684									
	CCMT432-MM	.031	.005 ~ .014	.031 ~ .165											● 2815	● 3686									
	CCMT433-MM	.047	.006 ~ .017	.047 ~ .165											● 2816	● 3687									

Turning Inserts - Positive

CCMT (80° Rhombic)

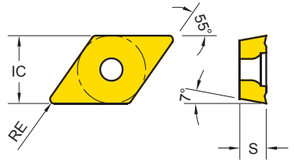


Series	IC	S
CC.. 21.5	.250	.094
CC.. 32.5	.375	.156
CC.. 43	.500	.187

EDP 2200.. ● : Stock item ○ : Order made item

CCMT	Designation	RE	Fn (In/rev.)	Ap (In)	YG1010	YG1001	YG1020	YG3010	YG3015	YG3115	YG3125	YG3020	YG3030	YG801	YG2025	YG2035	YG211	YG213	YG214	YG401	YG411	YT100	YT100G	YG100	YG10
					K10	P05 K20	K20	P10 K30	P15	P10	P25	P20	P30	P20	M25	M35	M15	M30	M40 S30	S10	S10	P15 M15 K15	P10 M10 K10	N20	N20
- PF	CCMT21.50.5-PF	.008	.002 ~ .006	.003 ~ .079						● 2892			● 2955									● 2782	○ 3613		
Finishing	CCMT21.51-PF	.016	.002 ~ .010	.004 ~ .079						● 2893			● 2956									● 2710	○ 3607		
	CCMT32.50.5-PF	.008	.002 ~ .006	.003 ~ .079						● 2878			● 2939									● 2541	○ 3586		
	CCMT32.51-PF	.016	.002 ~ .010	.004 ~ .079						● 2879			● 2940									● 2542	○ 3587		
	CCMT32.52-PF	.031	.003 ~ .012	.006 ~ .079						● 2880			● 2941									● 2543	○ 3588		
	CCMT32.53-PF	.047	.004 ~ .013	.008 ~ .079																		● 3142	○ 3622		
	CCMT431-PF	.016	.003 ~ .010	.008 ~ .094						● 2894			● 2957												
	CCMT432-PF	.031	.003 ~ .012	.020 ~ .094						● 2895			● 2958												
	CCMT21.51-PM	.016	.002 ~ .007	.010 ~ .094						● 2917			● 2981									● 2784	○ 3615		
-PM	CCMT21.52-PM	.031	.003 ~ .009	.031 ~ .094						● 2918			● 2982									● 2785	○ 3616		
Medium	CCMT32.51-PM	.016	.003 ~ .010	.010 ~ .118						● 2908			● 2971									● 2554	○ 3598		
	CCMT32.52-PM	.031	.004 ~ .012	.020 ~ .118						● 2909			● 2972									● 2555	○ 3599		
	CCMT32.53-PM	.047	.005 ~ .014	.039 ~ .118						● 2919			● 2983												
	CCMT431-PM	.016	.004 ~ .011	.016 ~ .165						● 2920			● 2984												
	CCMT432-PM	.031	.005 ~ .014	.031 ~ .165						● 2921			● 2985												
	CCMT433-PM	.047	.006 ~ .017	.047 ~ .165						● 2922			● 2986												

DCGT / DCMT (55° Rhombic)

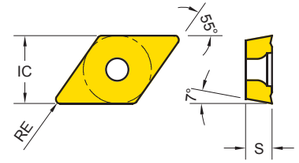


Series	IC	S
DC.. 21.5	.250	.094
DC.. 32.5	.375	.156

EDP 2200.. ● : Stock item ○ : Order made item

DCGT DCMT	Designation	RE	Fn (In/rev.)	Ap (In)	YG1010 K10	YG1001 P05 K20	YG1020 K20	YG3010 P10 K30	YG3015 P15	YG3115 P10	YG3125 P25	YG3020 P20	YG3030 P30	YG801 P20	YG2025 M25	YG2035 M35	YG211 M15	YG213 M30	YG214 M40 S30	YG401 S10	YG411 S10	YT100 P15 M15 K15	YT100G P10 M10 K10	YG100 N20	YG10 N20
-AL Aluminum	DCGT21.50.5-AL	.008	.000~.008	.002~.118																					● 1399
	DCGT21.51-AL	.016	.001~.012	.004~.157																					● 1400
	DCGT32.50-AL	.004	.000~.012	.002~.157																				● 2101	● 2100
	DCGT32.50.5-AL	.008	.001~.012	.002~.157																				● 0342	● 0341
	DCGT32.51-AL	.016	.001~.020	.004~.197																				● 0332	● 0083
	DCGT32.52-AL	.031	.001~.020	.004~.197																				● 0333	● 0084
-UF Finishing	DCMT21.51-UF	.016	.002~.008	.020~.079				○ 0207		● 2397	● 3209	● 0208	● 0209				○ 1909		○ 1903							
	DCMT32.51-UF	.016	.002~.010	.020~.079		○ 1533		○ 0213		● 2208	● 3211	● 0214	● 0215				○ 1044	○ 1043	○ 1910							
	DCMT32.52-UF	.031	.002~.010	.039~.079	● 2053			○ 0219		● 1897	● 3213	● 0220	● 0221													
-UG General	DCMT21.51-UG	.016	.004~.010	.020~.079	● 1849		○ 3545	○ 0210		● 2391	● 3210	● 0211	● 0212	○ 0013												
	DCMT21.52-UG	.031	.004~.010	.031~.079	● 1850		○ 3546	○ 0484		● 2386	● 3309	● 0717	● 1136													
	DCMT32.51-UG	.016	.006~.012	.020~.098	● 1831	○ 0677	● 3529	○ 0216		● 2209	● 3212	● 0217	● 0218	○ 0014			○ 1520	○ 1522	○ 1521							
	DCMT32.52-UG	.031	.006~.012	.031~.098	● 1832	○ 0678	● 3530	○ 0222		● 2215	● 3214	● 0223	● 0224	○ 0015												
	DCMT32.53-UG	.047	.006~.014	.059~.118						● 2605	● 3393	● 2056														

YGTURN INCH
Turning Inserts - Positive
DCGT / DCMT (55° Rhombic)



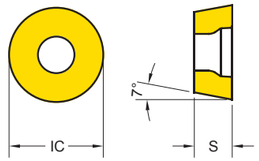
Series	IC	S
DC.. 21.5	.250	.094
DC.. 32.5	.375	.156

EDP 2200.. ● : Stock item ○ : Order made item

DCGT DCMT	Designation	RE	Fn (In/rev.)	Ap (In)	YG1010 K10	YG1001 P05 K20	YG1020 K20	YG3010 P10 K30	YG3015 P15	YG3115 P10	YG3125 P25	YG3020 P20	YG3030 P30	YG801 P20	YG2025 M25	YG2035 M35	YG211 M15	YG213 M30	YG214 M40 S30	YG401 S10	YG411 S10	YT100 P15 M15 K15	YT100G P10 M10 K10	YG100 N20	YG10 N20
-SF HRSA Finishing	DCGT21.50-SF	.004	.001~.006	.004~.059															● 2342	● 2068	● 4055				
	DCGT21.50.5-SF	.008	.001~.006	.004~.059															● 2343	● 2069	● 4056				
	DCGT21.51-SF	.016	.001~.008	.004~.059														○ 2338	● 2344	● 2070	● 4057				
	DCGT32.50-SF	.004	.000~.002	.004~.098															● 2345	● 2075	● 4058				
	DCGT32.50.5-SF	.008	.001~.006	.004~.098												○ 0559	○ 0560	● 1478	● 1474	● 4059					
	DCGT32.51-SF	.016	.001~.008	.004~.098												○ 1460	○ 1473	● 1479	● 1463	● 4060					
	DCGT32.52-SF	.031	.001~.008	.004~.098															● 2346	● 2076	● 4061				
-MF Stainless steel Finishing	DCMT21.50.5-MF	.008	.002~.006	.002~.059											● 2799	● 3703					● 4093				
	DCMT21.51-MF	.016	.002~.007	.003~.059											● 2504	● 3704	● 1978	● 1979	● 1980	● 2030	● 4094				
	DCMT32.50.5-MF	.008	.002~.006	.003~.079											● 2505	● 3707	● 2005	● 2006	● 2007	● 2031	● 4095				
	DCMT32.51-MF	.016	.002~.010	.004~.079											● 2506	● 3708	● 1885	● 1886	● 1927	● 2032	● 4096				
	DCMT32.52-MF	.031	.003~.012	.006~.079											● 2507	● 3710	● 1963	● 1964	● 1965	● 2033	● 4097				
-MM Stainless steel Medium	DCMT21.51-MM	.016	.002~.007	.008~.091											● 2516	● 3705	● 1999	● 2000	● 2001	● 2040	● 4062				
	DCMT21.52-MM	.031	.003~.010	.020~.091							○ 1868				● 2817	● 3706									
	DCMT32.51-MM	.016	.002~.007	.010~.118											● 2517	● 3709	● 1990	● 1991	● 1992	● 2041	● 4063				
	DCMT32.52-MM	.031	.003~.010	.020~.118											● 2518	● 3711	● 1984	● 1985	● 1986	● 2042	● 4064				
	DCMT32.53-MM	.047	.005~.014	.047~.118											● 2818	● 3712									
- PF Finishing	DCMT21.50.5-PF	.008	.002~.006	.002~.059							● 2896		● 2959									● 2783	○ 3614		
	DCMT21.51-PF	.016	.002~.007	.003~.059							● 2881		● 2942									● 2544	○ 3589		
	DCMT32.50.5-PF	.008	.002~.006	.003~.079							● 2882		● 2943									● 2545	○ 3005		
	DCMT32.51-PF	.016	.002~.010	.004~.079							● 2862		● 2944									● 2546	○ 3590		
	DCMT32.52-PF	.031	.003~.008	.006~.079							● 2883		● 2945									● 2547	○ 3591		
-PM Medium	DCMT21.51-PM	.016	.003~.012	.008~.091							● 2910		● 2973									● 2556	○ 3600		
	DCMT21.52-PM	.031	.003~.010	.020~.091							● 2923	○ 3385	● 2987												
	DCMT32.51-PM	.016	.002~.007	.010~.118							● 2911		● 2974									● 2557	○ 3601		
	DCMT32.52-PM	.031	.003~.010	.020~.118							● 2851		● 2975									● 2558	○ 3602		
	DCMT32.53-PM	.047	.005~.014	.047~.118							● 2924		● 2988												

Turning Inserts - Positive

RCMT (Round)



Series	IC	S
RC** 0602	.236	.094
RC** 0803	.315	.125

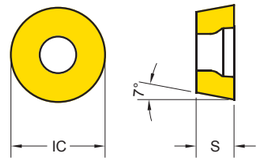
Series	IC	S
RC** 10T3	.394	.156
RC** 1204	.472	.187
RC.. 1606	.630	.250

EDP 2200.. ● : Stock item ○ : Order made item

	RCMT	Designation	RE	Fn (In/rev.)	Ap (In)	YG1010	YG1001	YG1020	YG3010	YG3015	YG3115	YG3125	YG3020	YG3030	YG801	YG2025	YG2035	YG211	YG213	YG214	YG401	YG411	YT100	YT100G	YG100	YG10
						K10	P05 K20	K20	P10 K30	P15	P10	P25	P20	P30	P20	M25	M35	M15	M30	M40 S30	S10	S10	P15 M15 K15	P10 M10 K10	N20	N20
	 General	RCMT0602M0	.118	.002 ~ .010	.008 ~ .047	● 2057	○ 0374	● 3549	○ 0375		● 2624	● 3256	● 0376	● 1151	○ 0023			○ 2233									
		RCMT0803M0	.157	.002 ~ .012	.020 ~ .059	● 2058	○ 0377	● 3550	○ 0378		● 2625	● 3257	● 0379	● 1152	○ 0024			○ 2234									
		RCMT10T3M0	.197	.004 ~ .014	.020 ~ .098	● 2059	○ 0380	● 3551	○ 0381		● 2626	● 3258	● 0382	● 1153	○ 0021			○ 2231									
		RCMT1204M0	.236	.006 ~ .018	.020 ~ .118	● 1833	○ 0383	● 3531	○ 0384		● 2627	● 3259	● 0385	● 1170	○ 0022			○ 2232									
-SM	General	RCMT0602M0-SM	.118	.005 ~ .013	.012 ~ .063																● 2571	● 4065				
		RCMT0803M0-SM	.157	.006 ~ .016	.012 ~ .079																● 2570	● 4066				
		RCMT10T3M0-SM	.197	.007 ~ .018	.016 ~ .098																● 2572	● 4067				
		RCMT1204M0-SM	.236	.008 ~ .022	.020 ~ .118	● 3159					● 2573					● 3173					● 2569	● 4068				
		RCMT1606M0-SM	.315	.010 ~ .030	.028 ~ .157																● 3151	● 4069				

Turning Inserts - Positive

RCMX - Heavy Turning (Round)



Series	IC	S
RC** 1606	.630	.250
RC** 2006	.787	.250

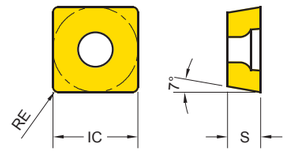
Series	IC	S
RC.. 2507	.984	.313
RC.. 3209	1.260	.375

EDP 2200.. ● : Stock item ○ : Order made item

	RCMX	Designation	RE	Fn (In/rev.)	Ap (In)	YG1010	YG1001	YG1020	YG3010	YG3015	YG3115	YG3125	YG3020	YG3030	YG801	YG2025	YG2035	YG211	YG213	YG214	YG401	YG411	YT100	YT100G	YG100	YG10
						K10	P05 K20	K20	P10 K30	P15	P10	P25	P20	P30	P20	M25	M35	M15	M30	M40 S30	S10	S10	P15 M15 K15	P10 M10 K10	N20	N20
-UT	 Heavy Roughing	RCMX1606M0-UT	.315	.012 ~ .031	.039 ~ .276	● 2441					● 2719					● 3160	● 3734									
		RCMX2006M0-UT	.394	.016 ~ .035	.059 ~ .354	● 3564			● 1928		● 2169	● 3423	● 2844	● 2845												
		RCMX2507M0-SM	.492	.020 ~ .047	.098 ~ .472	● 3837		● 3838			● 3146	● 3840		● 3839												
		RCMX3209M0-UT	.630	.024 ~ .059	.138 ~ .591	● 3841		● 3842			● 3147	● 3844		● 3843												

Turning Inserts - Positive

SCGT / SCMT (Square)



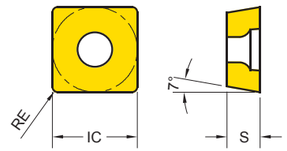
Series	IC	S
SC.. 32.5	.375	.156
SC.. 43	.500	.187

EDP 2200.. ● : Stock item ○ : Order made item

SCGT SCMT		Designation	RE	Fn (In/rev.)	Ap (In)	YG1010 K10	YG1001 P05 K20	YG1020 K20	YG3010 P10 K30	YG3015 P15	YG3115 P10	YG3125 P25	YG3020 P20	YG3030 P30	YG801 P20	YG2025 M25	YG2035 M35	YG211 M15	YG213 M30	YG214 M40 S30	YG401 S10	YG411 S10	YT100 P15 M15 K15	YT100G P10 M10 K10	YG100 N20	YG10 N20
-AL	Aluminium	SCGT32.51-AL	.016	.001 ~ .016	.004 ~ .197																					● 1516
		SCGT32.52-AL	.031	.002 ~ .016	.004 ~ .197																					● 1517
-UF	Finishing	SCMT32.51-UF	.016	.002 ~ .010	.020 ~ .079				○ 0386		● 2628	● 3260	● 0387	● 0783													
		SCMT32.52-UF	.031	.002 ~ .010	.039 ~ .079	● 2083			○ 1021		● 2629	● 3339	● 1022	● 0997													
-UG	General	SCMT32.51-UG	.016	.006 ~ .012	.020 ~ .098	● 1834	○ 0455	● 3532	○ 0482		● 2414	● 3329	● 0916	● 1171	○ 0025			○ 2235									
		SCMT32.52-UG	.031	.006 ~ .012	.031 ~ .098	● 1835	○ 0456	● 3533	○ 0159		● 2383	● 3194	● 0160	● 0161	○ 0026			○ 2236		○ 1904							
		SCMT432-UG	.031	.006 ~ .014	.031 ~ .118	● 1836	○ 0674	● 3534	○ 0255		● 2393	● 3225	● 0256	● 0257						○ 1911							
		SCMT433-UG	.047	.006 ~ .014	.059 ~ .118	● 2098																					
-MF	Stainless steel Finishing	SCMT32.51-MF	.016	.002 ~ .009	.004 ~ .079										● 2800	● 3735											
		SCMT32.52-MF	.031	.004 ~ .012	.012 ~ .079										● 2801	● 3737						● 2564	● 4098				
		SCMT431-MF	.016	.004 ~ .011	.012 ~ .165										● 2802	● 3740											
		SCMT432-MF	.031	.004 ~ .012	.024 ~ .165										● 2803	● 3742											
-MM	Stainless steel Medium	SCMT32.51-MM	.016	.003 ~ .009	.016 ~ .126										● 2819	● 3736											
		SCMT32.52-MM	.031	.004 ~ .012	.031 ~ .126										● 2820	● 3738							● 4070				
		SCMT32.53-MM	.047	.005 ~ .014	.035 ~ .126										● 2821	● 3739											
		SCMT431-MM	.016	.004 ~ .011	.012 ~ .165										● 2822	● 3741											
		SCMT432-MM	.031	.004 ~ .012	.024 ~ .165										● 2519	● 3743	● 1973	● 1974	● 1975	● 1976	● 4071						
		SCMT433-MM	.047	.006 ~ .018	.047 ~ .165										● 2823	● 3744											

Turning Inserts - Positive

SCMT (Square)

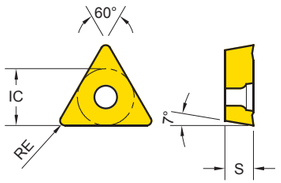


Series	IC	S
SC.. 32.5	.375	.156
SC.. 43	.500	.187

EDP 2200.. ● : Stock item ○ : Order made item

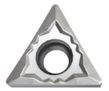
SCMT		Designation	RE	Fn (In/rev.)	Ap (In)	YG1010 K10	YG1001 P05 K20	YG1020 K20	YG3010 P10 K30	YG3015 P15	YG3115 P10	YG3125 P25	YG3020 P20	YG3030 P30	YG801 P20	YG2025 M25	YG2035 M35	YG211 M15	YG213 M30	YG214 M40 S30	YG401 S10	YG411 S10	YT100 P15 M15 K15	YT100G P10 M10 K10	YG100 N20	YG10 N20
-PF	Finishing	SCMT32.51-PF	.016	.002 ~ .009	.004 ~ .079					● 2897			● 2960													
		SCMT32.52-PF	.031	.004 ~ .012	.012 ~ .079					● 2898			● 2961													
		SCMT431-PF	.016	.004 ~ .011	.012 ~ .165					● 2899			● 2962													
		SCMT432-PF	.031	.004 ~ .012	.024 ~ .165					● 2900			● 2963													
-PM	Medium	SCMT32.51-PM	.016	.003 ~ .009	.016 ~ .126					● 2925			● 2989													
		SCMT32.52-PM	.031	.004 ~ .012	.031 ~ .126					● 2926			● 2990									● 2853	○ 3617			
		SCMT32.53-PM	.047	.005 ~ .014	.035 ~ .126					● 2927			● 2991													
		SCMT431-PM	.016	.004 ~ .011	.012 ~ .165					● 2928			● 2992													
		SCMT432-PM	.031	.004 ~ .012	.024 ~ .165					● 2929			● 2993									● 2530	○ 3575			
		SCMT433-PM	.047	.006 ~ .018	.047 ~ .165					● 2930			● 2994													

TCGT / TCMT (Triangle)

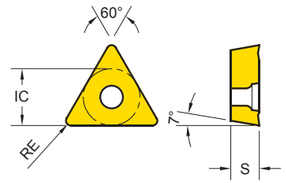


Series	IC	S
TC.. 1.81.5	.219	.094
TC.. 21.5	.250	.094
TC.. 32.5	.375	.156

EDP 2200.. ● : Stock item ○ : Order made item

TCGT TCMT		Designation	RE	Fn (In/rev.)	Ap (In)	YG1010	YG1001	YG1020	YG3010	YG3015	YG3115	YG3125	YG3020	YG3030	YG801	YG2025	YG2035	YG211	YG213	YG214	YG401	YG411	YT100	YT100G	YG100	YG10
						K10	P05 K20	K20	P10 K30	P15	P10	P25	P20	P30	P20	M25	M35	M15	M30	M40 S30	S10	S10	P15 M15 K15	P10 M10 K10	N20	N20
-AL	 Aluminum	TCGT21.51-AL	.016	.001 ~ .012	.004 ~ .157																					● 1333
		TCGT32.50.5-AL	.008	.001 ~ .012	.002 ~ .197																				● 0344	● 0343
		TCGT32.51-AL	.016	.001 ~ .016	.004 ~ .217																				● 0334	● 0085
		TCGT32.52-AL	.031	.001 ~ .020	.004 ~ .217																				● 0335	● 0086
-UF	 Finishing	TCMT1.81.51-UF	.016	.002 ~ .008	.020 ~ .059	● 3163					● 3162			● 3164												
		TCMT21.51-UF	.016	.002 ~ .008	.020 ~ .079				○ 0395		● 2384	● 3263	● 0396	● 1196				○ 1033	○ 1034	○ 1645						
		TCMT32.51-UF	.016	.002 ~ .010	.020 ~ .079				○ 0397		● 2377	● 3264	● 0398	● 1046	○ 0033			○ 1906		○ 1905						
		TCMT32.52-UF	.031	.002 ~ .010	.031 ~ .079				○ 0624		● 2369	● 3299	● 0625	● 1045												
-UG	 General	TCMT1.81.51-UG	.016	.004 ~ .010	.020 ~ .059	● 3166					● 3165			● 3167												
		TCMT1.81.52-UG	.031	.004 ~ .010	.031 ~ .059	● 3169					● 3168			● 3170												
		TCMT21.51-UG	.016	.004 ~ .010	.020 ~ .079	● 1839	○ 0728	● 3536	○ 0264		● 2642	● 3228	● 0265	● 0266	○ 0032			○ 2240								
		TCMT21.52-UG	.031	.004 ~ .010	.031 ~ .079	● 1851	○ 1814	○ 3547	○ 0485		● 2362	● 3308	● 0715	● 1204												
		TCMT32.51-UG	.016	.006 ~ .012	.020 ~ .098	● 1840	○ 0679	● 3537	○ 0267		● 2379	● 3229	● 0268	● 0269												
		TCMT32.52-UG	.031	.006 ~ .012	.031 ~ .098	● 1841	○ 0457	● 3538	○ 0156		● 2175	● 3193	● 0157	● 0158	○ 0034			○ 2241		○ 1907						

TCMT (Triangle)

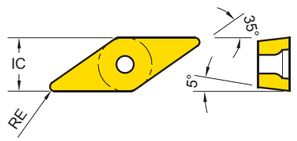


Series	IC	S
TC.. 21.5	.250	.094
TC.. 32.5	.375	.156

EDP 2200.. ● : Stock item ○ : Order made item

TCMT		Designation	RE	Fn (In/rev.)	Ap (In)	YG1010	YG1001	YG1020	YG3010	YG3015	YG3115	YG3125	YG3020	YG3030	YG801	YG2025	YG2035	YG211	YG213	YG214	YG401	YG411	YT100	YT100G	YG100	YG10
						K10	P05 K20	K20	P10 K30	P15	P10	P25	P20	P30	P20	M25	M35	M15	M30	M40 S30	S10	S10	P15 M15 K15	P10 M10 K10	N20	N20
-MF	 Stainless steel Finishing	TCMT21.50.5-MF	.008	.002 ~ .006	.004 ~ .067											● 2804	● 3755									
		TCMT21.51-MF	.016	.003 ~ .008	.008 ~ .067											● 2805	● 3756				● 2565	● 4099				
		TCMT21.52-MF	.031	.003 ~ .010	.012 ~ .067											● 2806	● 3758				● 2566	● 4100				
		TCMT32.51-MF	.016	.002 ~ .010	.004 ~ .079											● 2508	● 3760	● 1981	● 1982	● 1983	● 2034	● 4101				
		TCMT32.52-MF	.031	.003 ~ .012	.006 ~ .079											● 2509	● 3762	● 1966	● 1967	● 1968	● 2026	● 4102				
-MM	 Stainless steel Medium	TCMT21.51-MM	.016	.002 ~ .007	.010 ~ .087											● 2824	● 3757									
		TCMT21.52-MM	.031	.004 ~ .010	.020 ~ .087											● 2825	● 3759									
		TCMT32.51-MM	.016	.003 ~ .010	.010 ~ .118											● 2520	● 3761	● 1993	● 1994	● 1995	● 2043	● 4072				
		TCMT32.52-MM	.031	.004 ~ .012	.020 ~ .118											● 2521	● 3763	● 1952	● 1953	● 1954	● 1955	● 4073				
		TCMT32.53-MM	.047	.005 ~ .014	.035 ~ .118											● 2826	● 3764									
-PF	 Medium	TCMT21.50.5-PF	.008	.002 ~ .006	.004 ~ .067						● 2901		● 2964													
		TCMT21.51-PF	.016	.003 ~ .008	.008 ~ .067						● 2902		● 2965										● 2711	○ 3608		
		TCMT21.52-PF	.031	.003 ~ .010	.012 ~ .067						● 2903		● 2966													
		TCMT32.51-PF	.016	.002 ~ .010	.004 ~ .079						● 2884		● 2946										● 2548	○ 3592		
		TCMT32.52-PF	.031	.003 ~ .012	.006 ~ .079						● 2885		● 2947										● 2549	○ 3593		
-PM	 Medium	TCMT21.51-PM	.016	.002 ~ .007	.010 ~ .087						● 2931		● 2995													
		TCMT21.52-PM	.031	.004 ~ .010	.020 ~ .087						● 2932		● 2996													
		TCMT32.51-PM	.016	.003 ~ .010	.010 ~ .118						● 2913		● 2977										● 2559	○ 3603		
		TCMT32.52-PM	.031	.004 ~ .012	.020 ~ .118						● 2914		● 2978										● 2560	○ 3604		
		TCMT32.53-PM	.047	.005 ~ .014	.035 ~ .118						● 2933		● 2997													

VBGT / VBMT (35° Rhombic)

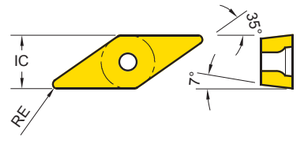


Series	IC	S
VB.. 22	.250	.125
VB.. 33	.375	.187

EDP 2200.. ● : Stock item ○ : Order made item

VBGT VBMT	Designation	RE	Fn (In/rev.)	Ap (In)	YG1010 K10	YG1001 P05 K20	YG1020 K20	YG3010 P10 K30	YG3015 P15	YG3115 P10	YG3125 P25	YG3020 P20	YG3030 P30	YG801 P20	YG2025 M25	YG2035 M35	YG211 M15	YG213 M30	YG214 M40 S30	YG401 S10	YG411 S10	YT100 P15 M15 K15	YT100G P10 M10 K10	YG100 N20	YG10 N20
-SF HRSA Finishing	VBGT220-SF	.004	.000 ~ .008	.004 ~ .059															● 2432		● 4074				
	VBGT220.5-SF	.008	.001 ~ .008	.004 ~ .059															● 2433		● 4075				
	VBGT221-SF	.016	.002 ~ .008	.008 ~ .059															● 2358		● 4076				
	VBGT331-SF	.016	.002 ~ .008	.008 ~ .079																● 2350	● 4077				
	VBGT332-SF	.031	.002 ~ .008	.016 ~ .079																● 3172	● 4078				
-UF Finishing	VBMT221-UF	.016	.002 ~ .006	.004 ~ .031						● 2697															
	VBMT222-UF	.016	.002 ~ .006	.016 ~ .039						● 2698															
	VBMT331-UF	.016	.002 ~ .010	.020 ~ .079				○ 0294		● 2364	● 3238	● 0295	● 0296												
	VBMT332-UF	.031	.002 ~ .010	.031 ~ .079				○ 0300		● 2216	● 3240	● 0301	● 0302												
-UG General	VBMT331-UG	.016	.006 ~ .012	.020 ~ .098	● 1842	○ 0682	● 3539	○ 0297		● 2181	● 3239	● 0298	● 0299	○ 0047											
	VBMT332-UG	.031	.006 ~ .012	.031 ~ .098	● 1843	○ 0681	● 3540	○ 0303		● 2211	● 3241	● 0304	● 0305	○ 0048											
-MF Stainless steel Finishing	VBMT221-MF	.016	.002 ~ .008	.004 ~ .067											● 2807	● 3775					● 4103				
	VBMT222-MF	.031	.003 ~ .009	.012 ~ .067											● 2808	● 3777									
	VBMT330.5-MF	.008	.002 ~ .006	.004 ~ .079											● 2510	● 3779	● 2008	● 2009	● 2010	● 2036	● 4104				
	VBMT331-MF	.016	.002 ~ .008	.008 ~ .079						○ 2842					● 2511	● 3780	● 1960	● 1961	● 1962	● 2037	● 4105				
	VBMT332-MF	.031	.003 ~ .011	.012 ~ .079											● 2512	● 3782	● 2011	● 2012	● 2013	● 2038	● 4106				
-MM Stainless steel Medium	VBMT221-MM	.016	.002 ~ .007	.010 ~ .087											● 2827	● 3776									
	VBMT222-MM	.031	.003 ~ .009	.020 ~ .087											● 2828	● 3778					● 4079				
	VBMT331-MM	.016	.003 ~ .008	.010 ~ .106											● 2522	● 3781	● 1996	● 1997	● 1998	● 2044	● 4080				
	VBMT332-MM	.031	.003 ~ .011	.020 ~ .106											● 2523	● 3783	● 1987	● 1988	● 1989	● 2045	● 4081				
-PF Cermet Medium	VBMT221-PF	.016	.002 ~ .008	.004 ~ .067						● 2904			● 2967									● 2854	○ 3618		
	VBMT222-PF	.031	.003 ~ .009	.012 ~ .067						● 2905			● 2968												
	VBMT330.5-PF	.008	.002 ~ .006	.004 ~ .079						● 2886			● 2948									● 2550	○ 3594		
	VBMT331-PF	.016	.002 ~ .008	.008 ~ .079						● 2863			● 2949									● 2551	○ 3595		
	VBMT332-PF	.031	.003 ~ .011	.012 ~ .079						● 2887			● 2950									● 2552	○ 3596		
-PM Cermet Medium	VBMT211-PM	.016	.002 ~ .007	.010 ~ .087						● 2934			● 2998												
	VBMT222-PM	.031	.003 ~ .009	.020 ~ .087						● 2935			● 2999									● 2855	○ 3619		
	VBMT331-PM	.016	.003 ~ .008	.010 ~ .106						● 2915			● 2979									● 2561	○ 3605		
	VBMT332-PM	.031	.003 ~ .011	.020 ~ .106						● 2916			● 2980									● 2562	○ 3606		

VCGT / VCMT (35° Rhombic)



Series	IC	S
VC.. 22	.250	.125
VC.. 33	.375	.187

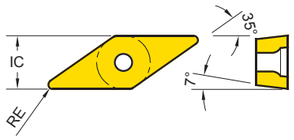
EDP 2200.. ● : Stock item ○ : Order made item

VCGT VCMT	Designation	RE	Fn (In/rev.)	Ap (In)	YG1010 K10	YG1001 P05 K20	YG1020 K20	YG3010 P10 K30	YG3015 P15	YG3115 P10	YG3125 P25	YG3020 P20	YG3030 P30	YG801 P20	YG2025 M25	YG2035 M35	YG211 M15	YG213 M30	YG214 M40 S30	YG401 S10	YG411 S10	YT100 P15 M15 K15	YT100G P10 M10 K10	YG100 N20	YG10 N20
-AL Aluminum	VCGT220-AL	.004	.001 ~ .006	.002 ~ .118																				● 2102	● 1041
	VCGT220.5-AL	.008	.001 ~ .008	.002 ~ .118																				● 1353	● 1042
	VCGT221-AL	.016	.001 ~ .010	.004 ~ .157																				● 1519	● 1518
	VCGT330.5-AL	.008	.001 ~ .012	.002 ~ .197																				● 0418	● 0417
	VCGT331-AL	.016	.001 ~ .016	.004 ~ .197																				● 0336	● 0087
	VCGT332-AL	.031	.001 ~ .020	.004 ~ .197																				● 0420	● 0419
	VCGT333-AL	.047	.001 ~ .020	.004 ~ .197																				● 2082	● 2081
-SF HRSA Finishing	VCGT220-SF	.004	.000 ~ .008	.004 ~ .059															● 2347	● 2077	● 4082				
	VCGT220.5-SF	.008	.001 ~ .008	.004 ~ .059															○ 1475	○ 1476	● 1480	● 1481	● 4083		
	VCGT221-SF	.016	.002 ~ .008	.008 ~ .059															● 2348	● 2078	● 4084				
	VCGT222-SF	.031	.002 ~ .008	.016 ~ .059															● 2349	● 2079	● 4085				
-UF Finishing	VCMT331-UF	.016	.002 ~ .010	.020 ~ .079				○ 0716		● 2385	● 3270	● 0421	● 0955												
	VCMT332-UF	.031	.002 ~ .010	.039 ~ .079				○ 0557		● 2699	● 3289	● 0558													
-UG General	VCMT331-UG	.016	.004 ~ .008	.012 ~ .098									○ 0060												
	VCMT332-UG	.031	.006 ~ .012	.031 ~ .098	● 1853		● 3548	○ 0946		● 2422	● 3271	● 0422	● 0956	○ 0061											

YG TURN INCH

Turning Inserts - Positive

VCMT (35° Rhombic)



Series	IC	S
VC.. 22	.250	.125
VC.. 33	.375	.187

EDP 2200.. ● : Stock item ○ : Order made item

VCMT	Designation	RE	Fn (In/rev.)	Ap (In)	K10	P05 K20	K20	P10 K30	P15	P10	P25	P20	P30	P20	M25	M35	M15	M30	M40 S30	S10	S10	P15 M15 K15	P10 M10 K10	N20	N20
					YG1010	YG1001	YG1020	YG3010	YG3015	YG3115	YG3125	YG3020	YG3030	YG801	YG2025	YG2035	YG211	YG213	YG214	YG401	YG411	YT100	YT100G	YG100	YG10
-MF Stainless steel Finishing	VCMT221-MF	.016	.002 ~ .008	.004 ~ .067											● 2513	● 3784	● 2014	● 2015	● 2016	● 2035	● 4107				
	VCMT331-MF	.016	.002 ~ .008	.008 ~ .079											● 2809	● 3786									
	VCMT332-MF	.031	.003 ~ .011	.012 ~ .079											● 2810	● 3788									
-MM Stainless steel Medium	VCMT221-MM	.016	.002 ~ .007	.010 ~ .087											● 2829	● 3785									
	VCMT331-MM	.016	.003 ~ .008	.010 ~ .106											● 2830	● 3787									
	VCMT332-MM	.031	.003 ~ .011	.020 ~ .106											● 2831	● 3789									
-PF Finishing	VCMT221-PF	.016	.002 ~ .008	.004 ~ .067						● 2888			● 2951									● 2553	○ 3597		
	VCMT331-PF	.016	.002 ~ .008	.008 ~ .079						● 2906			● 2969												
	VCMT332-PF	.031	.003 ~ .011	.012 ~ .079						● 2907			● 2970												
-PM Medium	VCMT221-PM	.016	.002 ~ .007	.010 ~ .087						● 2936			● 3000												
	VCMT331-PM	.016	.003 ~ .008	.010 ~ .106						● 2937			● 3001												
	VCMT332-PM	.031	.003 ~ .011	.020 ~ .106						● 2938			● 3002												

PCBN TURNING

Product Overview

PCBN - Turning Inserts Overview

PCBN Turning Inserts

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