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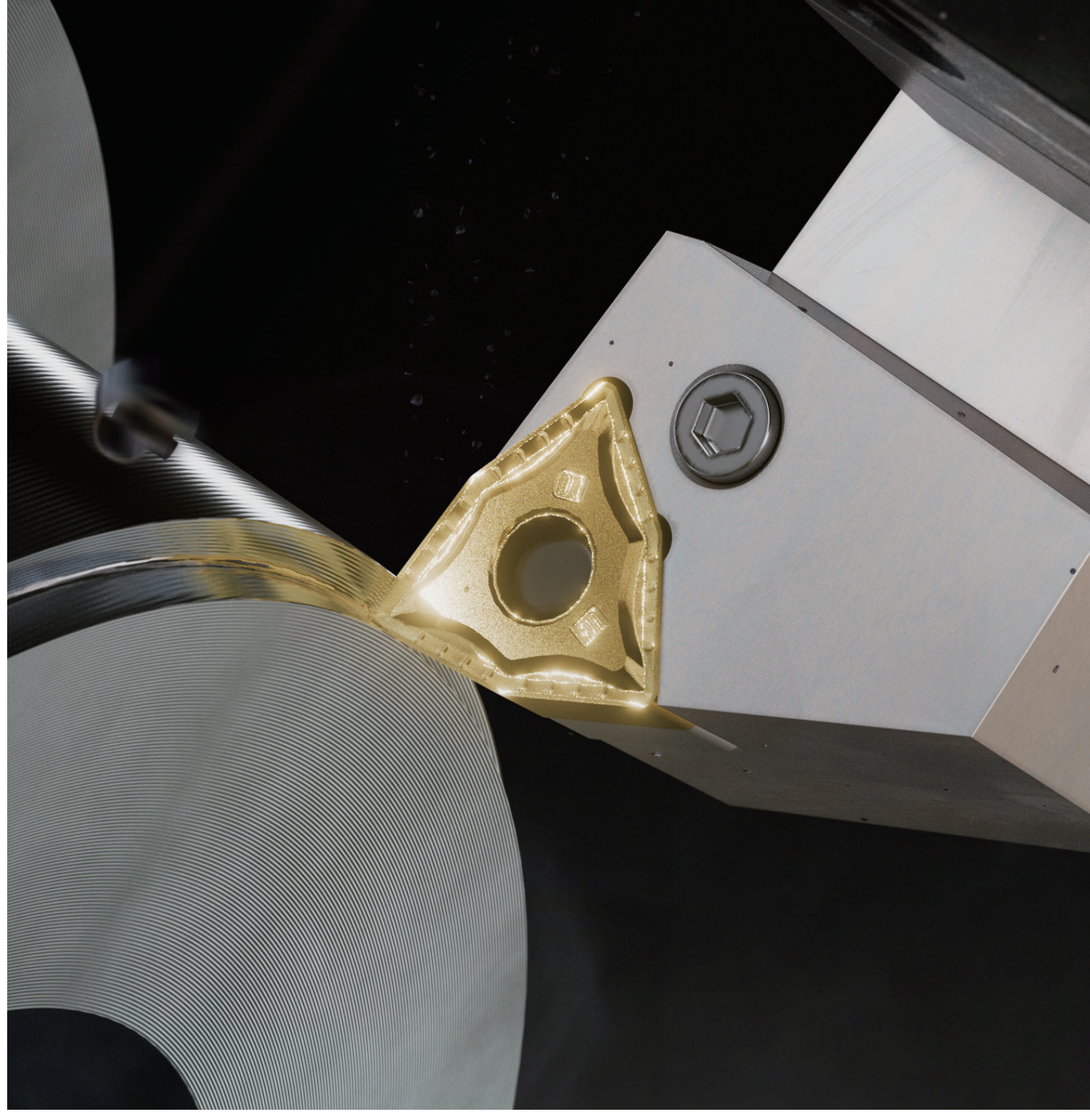


ISO TURNING

Product Overview

Application Guide

Turning Inserts Overview

Turning Inserts

Turning Holders Overview

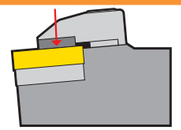
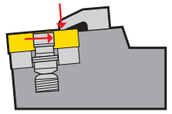
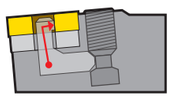
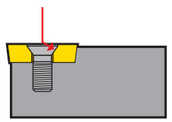
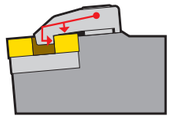
Turning Holders

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)

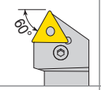
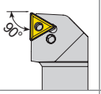
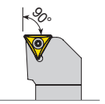
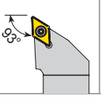
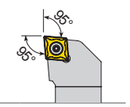
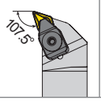
1 - Clamping System

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 	

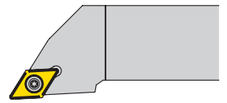
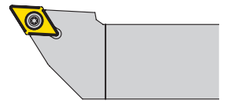
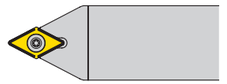
YG TURN INCH
Turning - Name Code System

External Turning Holder Code (Inch)

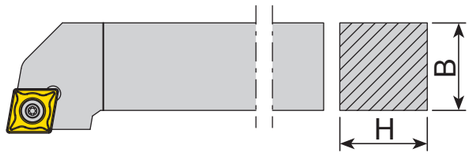
*Inch

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

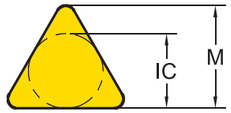
1	2	3	4	5	6	7	8	9
C	N	M	G	12	04	08	-UG	YG3115
Shape	Clearance	Tolerance	Clamping & Chipbreaker	Insert Size	Insert Thickness	Corner Radius	Chipbreaker Geometry	Grade

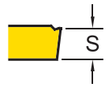
1 - Shape

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°	
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

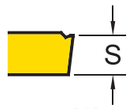
Insert ISO Code System

*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

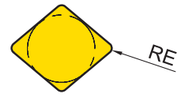
5 - Insert Size

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

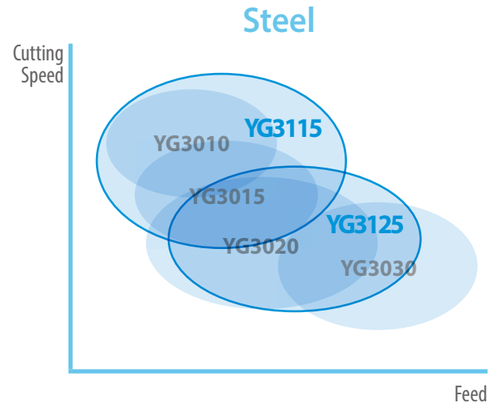
Unstable
Tougher Grade
Unstable Application
Interrupted Cut
Chipping Resistance
Roughing

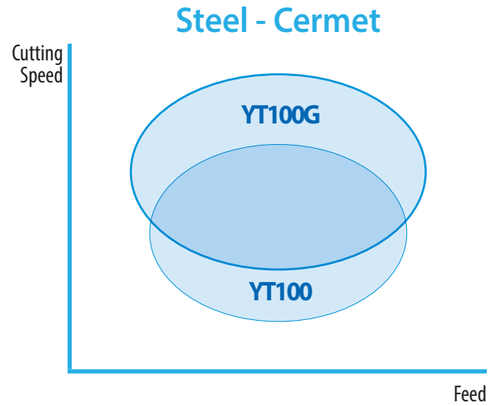
(6) - (Minor Variation)

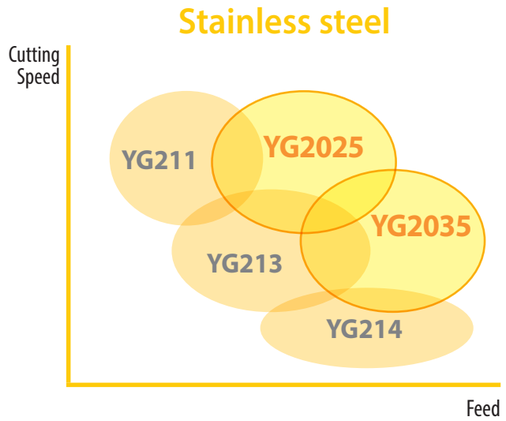
G - Gold Coated Version

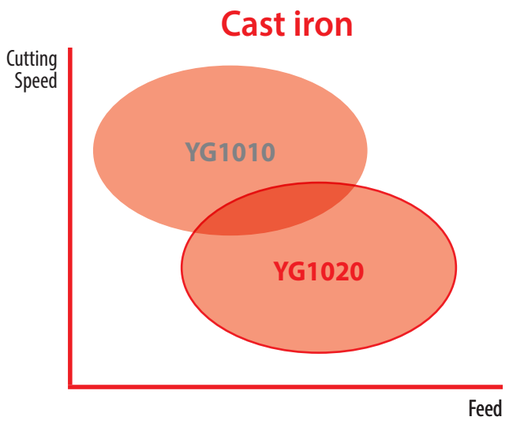
Product Overview

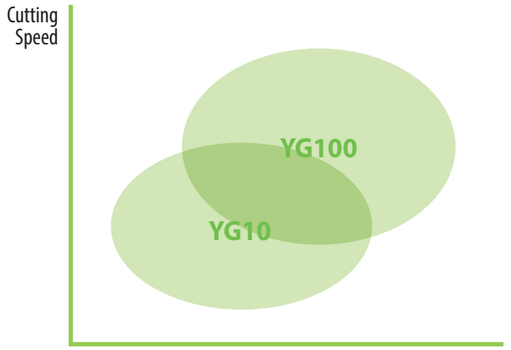
Turning Grades Map

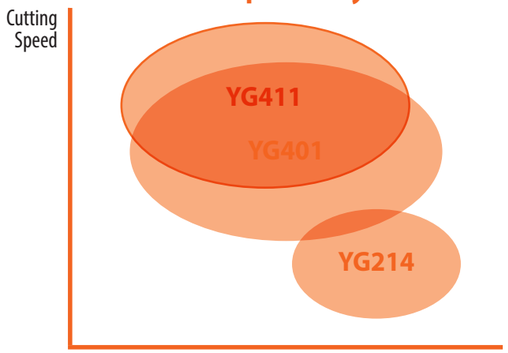








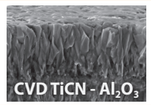




Turning Grades

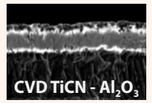
Turning Grades		P Steel				M Stainless steel			K Cast iron			N Non-ferrous		S Superalloys	
		P10	P20	P30	P40	M10	M20	M30	K10	K20	K30	N10	N20	S10	S20
CVD	YG1010								1010						
	YG1001	1001							1001						
	YG1020								1020						
	YG3010	3010							3010						
	YG3015	3015													
	YG3115	3115													
	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



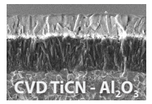
First Choice for Cast Iron
- Effective coating structure enables high speed machining
- Special post treatment for improved chipping resistance

YG1001 — P01 - P10, K10 - K25



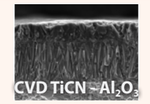
Stable Machining of Cast Iron
- Substrate especially designed for high wear resistance
- Thick Al_2O_3 layer ensures good wear resistance at high cutting speeds including dry machining

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

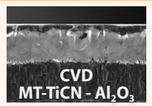


First choice for Finishing Steels, and Ductile Cast iron
- Finishing and light machining of steel under in stable condition
- New Al_2O_3 coating technology and excellent surface smoothness increase wear resistance and chipping resistance

YG3015 — P10 - P25

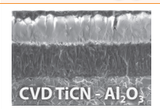
Balanced Productivity for Continuous cut
- High wear resistance and improved toughness ensures high productivity with less trouble

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

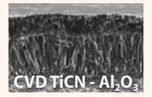
NEW **YG3125** — P20 - P30



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

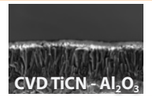
Turning Grades

YG3020 — P15 - P30



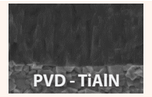
First Choice Grade for General Steel Application
- Substrate especially designed for good toughness
- Excellent surface smoothness increases wear resistance and reliability

YG3030 — P20 - P35



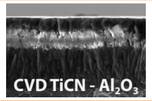
Interrupted Cutting of Steel and Stainless steel
- Substrate for heavy roughing in mild steel and low carbon alloy steel
- New Al_2O_3 technology and optimized surface treatment achieves a good balance between wear resistance and chipping resistance

YG801 — P10 - P30



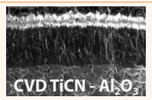
for Carbon Steel with Low Cutting Speed
- Recommended for mild steel and boring application
- Substrate and special PVD coating for excellent wear resistance

YG2025 — M15 - M35



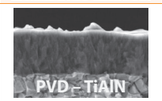
CVD grade for High Cutting Speed for Stainless steel
- Utilizing a new carbide substrate and new coating
- Excellent combination of wear resistance and chipping resistance
- Minimized built up edge due to post surface treatment

NEW **YG2035** — M30 - M40



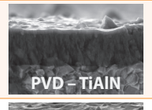
CVD Coated Grade for stainless steel at Low Cutting Speed
- Substrate withstands heavy interruption, while the coating provides the wear resistance needed for a long tool life
- Smooth surface resists build-up edge, even at low cutting speeds

YG211 — M05 - M25



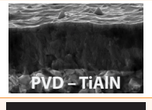
High wear Resistance Grade for Stainless steel
- Finishing Stainless steel

YG213 — M20 - M35



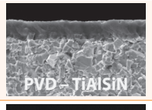
First Choice Grade on Low Cutting Speed of Stainless steel
- First choice on Stainless steel for Low cutting speed
- For Medium to low cutting speed

YG214 — M30 - M40, S25 - S30



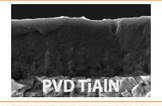
Heavy Interrupted cut for Stainless steel
- For Heavy Interrupted cut on Stainless steel
- Minimize risk of Mechanical fracture or Chipping

YG401 — S10 - S20



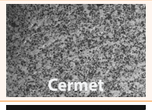
PVD Turning Grade for HRSA
- Highly heat-resistant TiAlSiN structure for excellent wear resistance
- Greatly improved film coating realizes excellent boundary defect resistance
- Top coating layer provides a smooth surface and lubricant effect

NEW **YG411** — S05 - S15



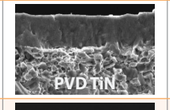
PVD Turning Grade on High Cutting Speed for HRSA
- Specialized cemented carbide substrate with excellent resistance to plastic deformation
- Strong edge stability provides reliable tool life when machining heat-resistant alloys at high speeds
- High-Al content coating provides superior oxidation resistance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

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



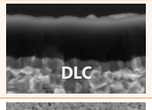
New Generation Cermet Grade
- Enhanced wear resistance & chipping resistance
- Excellent fracture resistance
- Superior surface finish with special edge preparation

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



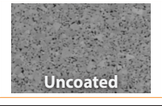
PVD-coated Cermet grade for turning
- Outstanding wear resistance and a low coefficient of friction enable high-speed turning of steels, stainless steels, and cast irons with extended tool life

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

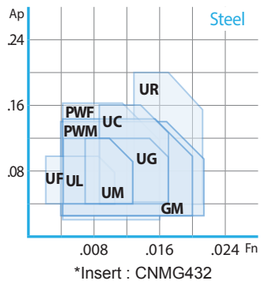


Uncoated Grade for General Aluminum
- Substrate consisted of submicron carbide for high wear resistance
- Shining surface to prevent built up edge

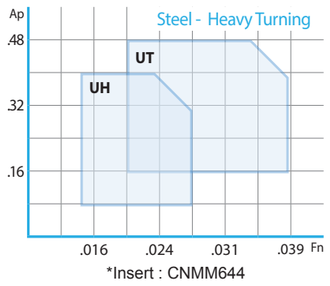
Turning Chipbreakers - Negative

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

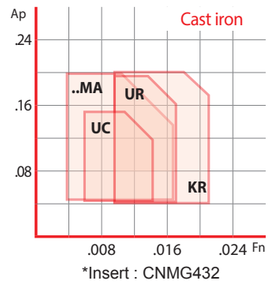
0 .04 .08 .12 .16 .20 .24 Depth of Cut — Ap (inch)



*Insert : CNMG432



*Insert : CNMM644

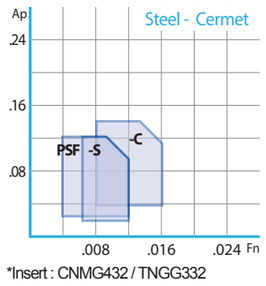


*Insert : CNMG432

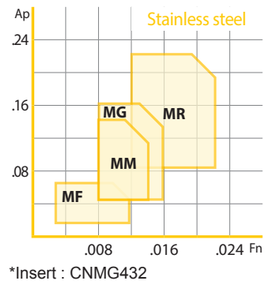
Turning Chipbreakers - Negative

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

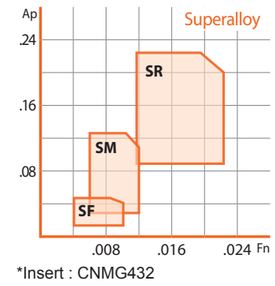
0 .04 .08 .12 .16 .20 .24 Depth of Cut — Ap (inch)



*Insert : CNMG432 / TNGG332



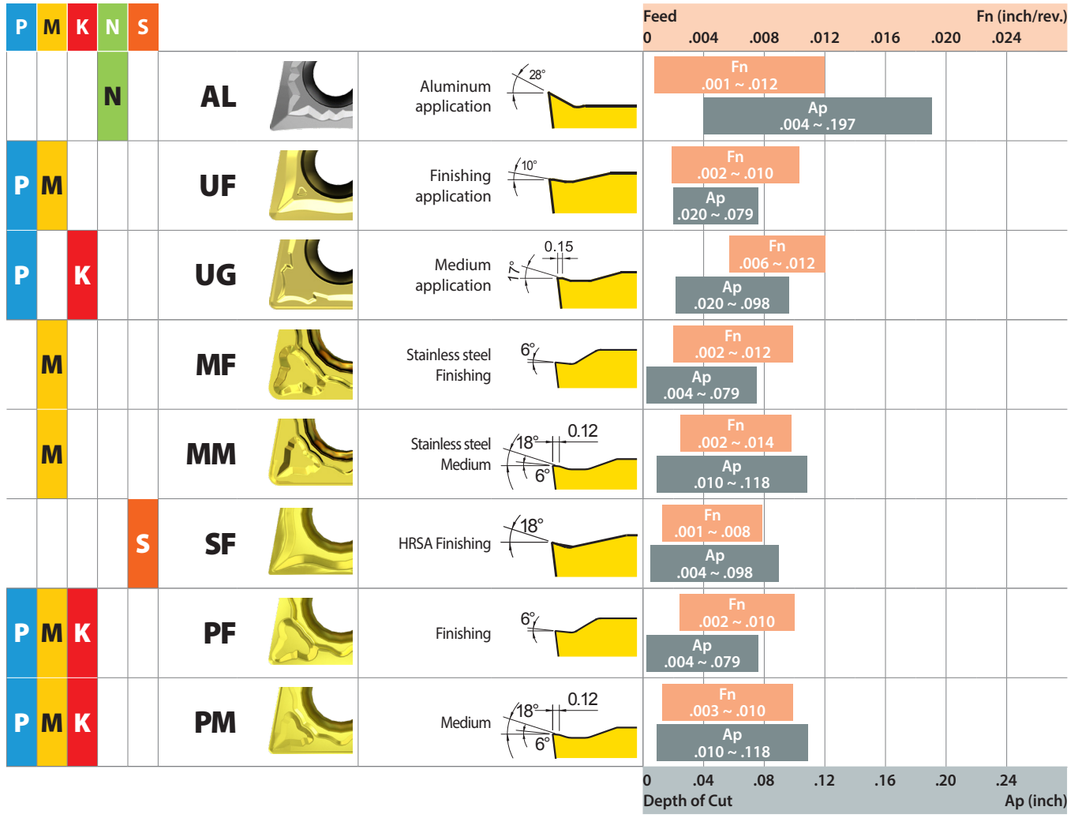
*Insert : CNMG432

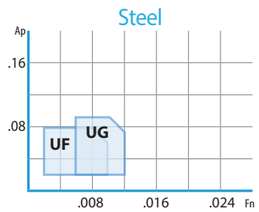


*Insert : CNMG432

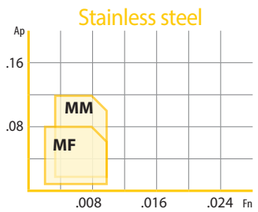
Product Overview

Turning Chipbreakers - Positive

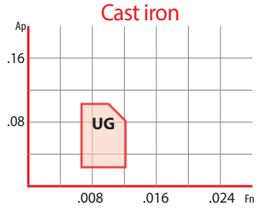




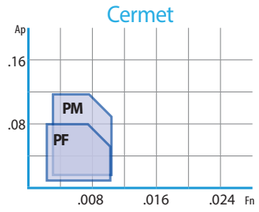
*Insert: CCMT 32.51



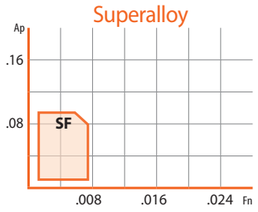
*Insert: CCMT 32.51



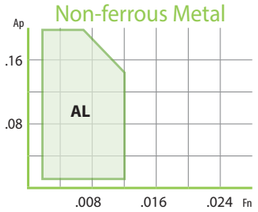
*Insert: CCMT 32.51



*Insert: CCMT 32.51



*Insert: CCGT 32.51



*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					

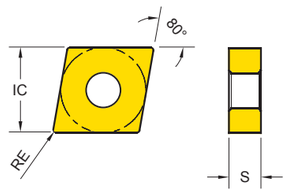
Positive Inserts

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																	
-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												
NEW -PWF	CNMG431-PWF	.016	.003 ~ .012	.012 ~ .157	● 3848					● 3855	● 3859		● 3866												
	CNMG432-PWF	.031	.004 ~ .016	.020 ~ .157	● 3849					● 3856	● 3860		● 3867												
-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												
-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												
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									

Cast iron

Finishing

Wiper-Finishing

Light Machining and Sticky Material

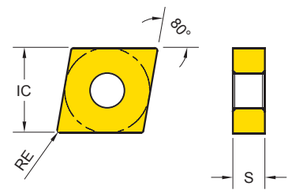
Medium Machining Unstable condition

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												
-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												
-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												
-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												
	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															
	CNMG643-KR	.047	.012 ~ .039	.118 ~ .354	● 2264					● 2602															

Medium Machining at stable condition

Wiper-Medium

Cast iron and Medium roughing

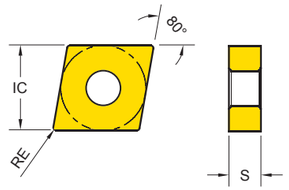
Roughing

Cast Iron Heavy Roughing

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

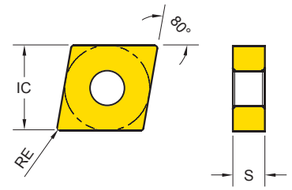
EDP 2200.. ● : Stock item ○ : Order made item

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	CNMG431-MF	.016	.003 ~ .012	.008 ~ .059						○ 2727	○ 3347	○ 1185	○ 1237		● 2451	● 3688	● 0609	● 0613	● 1708	○ 2271					
Stainless steel Finishing	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	CNMG431-MM	.016	.008 ~ .014	.020 ~ .138													● 0547	● 0548	● 1709	○ 2286					
Stainless steel Medium	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	CNMG431-MG	.016	.008 ~ .016	.020 ~ .157									○ 2445		● 2465	● 3689									
Stainless steel General	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	CNMG432-MR	.031	.012 ~ .022	.079 ~ .217									○ 0594		● 2730	● 3693	● 0540	● 0541	● 0608						
Stainless steel Roughing	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									

Turning Inserts - Negative

CNGG / CNMG (80° Rhombic)

Refer to Turning holder p. 87



Series	IC	S
CN.. 43	.500	.187

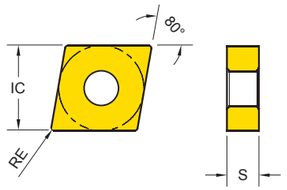
EDP 2200.. ● : Stock item ○ : Order made item

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	CNGG430-SF	.004	.004 ~ .010	.004 ~ .039																● 1882	● 3997				
HRSA Finishing	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	CNMG431-SF	.016	.004 ~ .010	.008 ~ .039																	● 4035				
HRSA Finishing	CNMG432-SF	.031	.004 ~ .010	.016 ~ .039																	● 4036				
- SM	CNMG431-SM	.016	.006 ~ .012	.020 ~ .118																● 3565	● 4001				
HRSA Medium	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	CNMG432-SR	.031	.012 ~ .022	.079 ~ .217																	● 0945	● 3992			
HRSA Roughing	CNMG433-SR	.047	.012 ~ .022	.079 ~ .217																	● 1279	● 4004			
	CNMG434-SR	.063	.012 ~ .022	.079 ~ .217																	● 1912	● 4005			
- PSF	CNMG431-PSF	.016	.003 ~ .012	.016 ~ .118																		● 2531	○ 3576		
Cermet Finishing	CNMG432-PSF	.031	.004 ~ .014	.024 ~ .118																		● 2532	○ 3577		

Turning Inserts - Negative

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

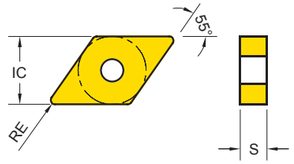
EDP 2200.. ● : Stock item ○ : Order made item

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												

Turning Inserts - Negative

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

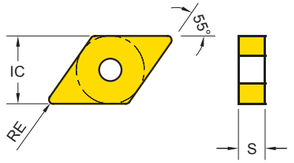
DNMA DNMG	Designation	RE	Fn (In/rev.)	Ap (In)	K10 YG1010	P05 K20 YG1001	K20 YG1020	P10 K30 YG3010	P15 YG3015	P10 YG3115	P25 YG3125	P20 YG3020	P30 YG3030	P20 YG801	M25 YG2025	M35 YG2035	M15 YG211	M30 YG213	M40 S30 YG214	S10 YG401	S10 YG411	P15 M15 K15 YT100	P10 M10 K10 YT100G	N20 YG100	N20 YG10
..MA Cast 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												

YG TURN INCH

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

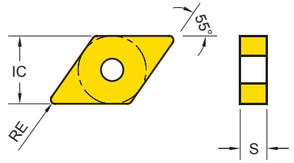
DNMG	Designation	RE	Fn (In/rev.)	Ap (In)	YG1010	YG1001	YG1020	YG3010	YG3015	YG3115	YG3125	YG3020	YG3030	YG801	YG2025	YG2035	YG211	YG213	YG214	YG401	YG411	YT100	YT100G	YG100	YG10
					K10	P05 K20	K20	P10 K30	P15	P10	P25	P20	P30	P20	M25	M35	M15	M30	M40 S30	S10	S10	P15 M15 K15	P10 M10 K10	N20	N20
-UM	DNMG431-UM	.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												

YG TURN INCH

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

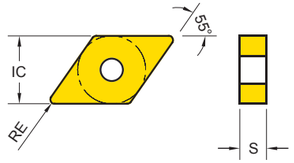
EDP 2200.. ● : Stock item ○ : Order made item

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

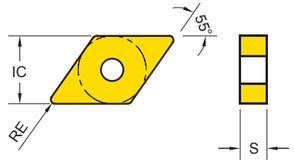
EDP 2200.. ● : Stock item ○ : Order made item

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	● 4010				
	DNMG433-SM	.047	.006 ~ .012	.020 ~ .118																○ 1419	● 4012				
	DNMG442-SM	.031	.006 ~ .012	.020 ~ .118						● 2716										○ 1418	● 4014				
	DNMG443-SM	.047	.006 ~ .012	.020 ~ .118																○ 1420	● 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		

Turning Inserts - Negative

DNMM - Heavy Turning (55° Rhombic)

Refer to Turning holder p. 88



Series	IC	S
DN.. 44	.500	.250

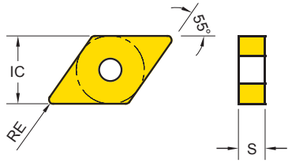
EDP 2200.. ● : Stock item ○ : Order made item

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

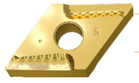
DNUX (4 Corners 55˚ Rhombic)

Refer to Turning holder p. 88



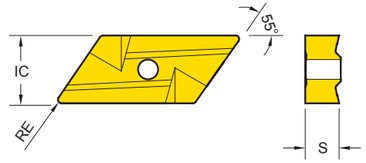
Series	IC	S
DNUX.. 43	.500	.187
DNUX.. 44	.500	.250

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

DNUX	Designation	RE	Fn (In/rev.)	Ap (In)	YG1010	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
..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

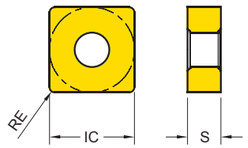
KNUX	Designation	RE	Fn (In/rev.)	Ap (In)	YG1010	YG1001	YG1020	YG3010	YG3015	YG3115	YG3125	YG3020	YG3030	YG801	YG2025	YG2035	YG211	YG213	YG214	YG401	YG411	YT100	YT100G	YG100	YG10
					K10	P05 K20	K20	P10 K30	P15	P10	P25	P20	P30	P20	M25	M35	M15	M30	M40 S30	S10	S10	P15 M15 K15	P10 M10 K10	N20	N20
..UX Left 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												

YG TURN INCH

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

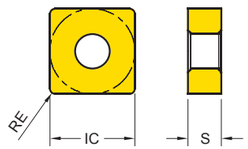
SNMA SNMG		Designation	RE	Fn (In/rev.)	Ap (In)	YG1010	YG1001	YG1020	YG3010	YG3015	YG3115	YG3125	YG3020	YG3030	YG801	YG2025	YG2035	YG211	YG213	YG214	YG401	YG411	YT100	YT100G	YG100	YG10
						K10 K20	P05 K20	K20	P10 K30	P15	P10	P25	P20	P30	P20	M25	M35	M15	M30	M40 S30	S10	S10	P15 M15 K15	P10 M10 K10	N20	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												

YG TURN INCH

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

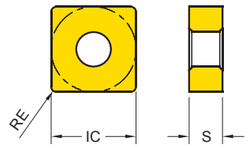
EDP 2200.. ● : Stock item ○ : Order made item

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 K20	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															

Turning Inserts - Negative

SNMG (90° Square)

Refer to Turning holder p. 89



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

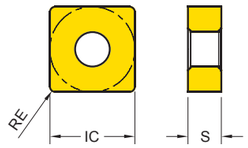
EDP 2200.. ● : Stock item ○ : Order made item

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	SNMG431-MF	.016	.003 ~ .012	.008 ~ .059													● 0978	● 0979	● 0981	○ 2276					
Stainless steel Finishing	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	SNMG432-MM	.031	.008 ~ .014	.039 ~ .138													● 0555	● 0556	● 1014	○ 2295					
Stainless steel Medium	SNMG433-MM	.047	.008 ~ .014	.059 ~ .138													● 0565	● 0566	● 1789	○ 2296					
-MG	SNMG431-MG	.016	.008 ~ .016	.020 ~ .157											● 2485	● 3745									
Stainless steel General	SNMG432-MG	.031	.008 ~ .016	.039 ~ .157											● 2475	● 3747	● 1804	● 1805	● 1806	● 1695					
	SNMG433-MG	.047	.008 ~ .016	.059 ~ .157											● 2486	● 3750									
-MR	SNMG432-MR	.031	.012 ~ .022	.079 ~ .217									○ 1059		● 2495	● 3748	● 0657	● 0658	● 0819						
Stainless steel Roughing	SNMG433-MR	.047	.012 ~ .022	.079 ~ .217									○ 0823		● 2496	● 3751	● 0659	● 0660	● 0822						
	SNMG434-MR	.063	.012 ~ .022	.079 ~ .217											● 2497	● 3752									
-SM	SNMG321-SM	.016	.006 ~ .012	.020 ~ .118													○ 2434			● 2435	● 4018				
HRSA Medium	SNMG432-SM	.031	.006 ~ .012	.020 ~ .118													○ 1801	○ 1802	○ 1803	● 1696	● 4019				
-SR	SNMG432-SR	.031	.012 ~ .022	.079 ~ .217																● 1305	● 4020				
HRSA Roughing	SNMG433-SR	.047	.012 ~ .022	.079 ~ .217																● 1304	● 4021				

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

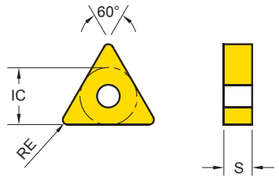
Series	IC	S
SN.. 85	1.000	.313
SN.. 86	1.000	.375

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
	SNMM543-UH	.047	.014 ~ .024	.079 ~ .217						• 2742	• 3416	• 2331	• 2332		• 2770										
-UH	SNMM643-UH	.047	.014 ~ .028	.059 ~ .354	● 2123			• 2124		• 2743	• 3398	• 2125	• 2126		• 2771										
Low cutting force	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										
	SNMM543-UT	.047	.018 ~ .028	.079 ~ .236						• 2754	• 3417	• 2333	• 2334												
-UT	SNMM643-UT	.047	.020 ~ .039	.118 ~ .472	● 2153			• 3556	• 2154	• 2755	• 3405	• 2155	• 2156												
Heavy Roughing	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												

TNMA / TNMG (60° Triangle)

Refer to Turning holder p. 90



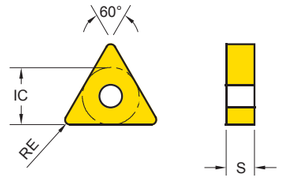
Series	IC	S
TN.. 33	.375	.187
TN.. 43	.500	.187

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						

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

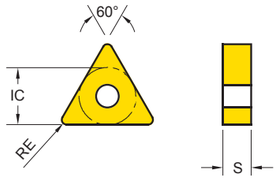
TNMG	Designation	RE	Fn (In/rev.)	Ap (In)	YG1010	YG1001	YG1020	YG3010	YG3015	YG3115	YG3125	YG3020	YG3030	YG801	YG2025	YG2035	YG211	YG213	YG214	YG401	YG411	YT100	YT100G	YG100	YG10
					K10	P05 K20	K20	P10 K30	P15	P10	P25	P20	P30	P20	M25	M35	M15	M30	M40 S30	S10	S10	P15 M15 K15	P10 M10 K10	N20	N20
-UG	TNMG331-UG	.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												

YG TURN INCH

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

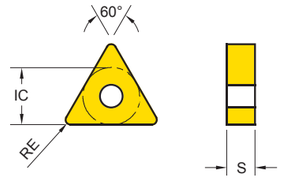
TNMG	Designation	RE	Fn (In/rev.)	Ap (In)	YG1010	YG1001	YG1020	YG3010	YG3015	YG3115	YG3125	YG3020	YG3030	YG801	YG2025	YG2035	YG211	YG213	YG214	YG401	YG411	YT100	YT100G	YG100	YG10
					K10	P05 K20	K20	P10 K30	P15	P10	P25	P20	P30	P20	M25	M35	M15	M30	M40 S30	S10	S10	P15 M15 K15	P10 M10 K10	N20	N20
-MF	TNMG331-MF	.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	● 0688	● 1790	● 2237					
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	● 0836	● 0835	● 0726						
Stainless steel Roughing	TNMG333-MR	.047	.012 ~ .022	.079 ~ .217									● 1062		● 2494	● 3773	● (0837)	● (0827)	● (0828)						

YG TURN INCH

Turning Inserts - Negative

TNGG / TNMG (60° Triangle)

Refer to Turning holder p. 90



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

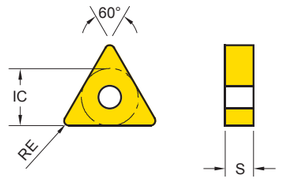
EDP 2200.. ● : Stock item ○ : Order made item

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	● 1888	● 1508	● 4025				
	TNMG433-SM	.047	.007 ~ .013	.039 ~ .236																● 3161	● 4093				
-SR	TNMG332-SR	.031	.012 ~ .022	.079 ~ .217																● 1307	● 4024				
HRSA Roughing	TNMG333-SR	.047	.012 ~ .022	.079 ~ .217																● (1635)	● (4025)				

Turning Inserts - Negative

TNGG / TNMG (60° Triangle)

Refer to Turning holder p. 90



Series	IC	S
TN.. 33	.375	.187

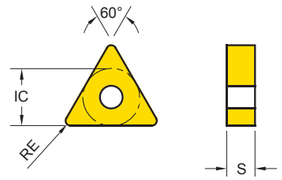
EDP 2200.. ● : Stock item ○ : Order made item

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 Cermet Finishing	TNMG331-PSF	.016	.003 ~ .012	.016 ~ .098																		● 2535	○ 3580		
	TNMG332-PSF	.031	.004 ~ .014	.024 ~ .098																		● 2536	○ 3581		
NEW -S Cermet Finishing Left Hand Shown	TNGG330.5L-S	.008	.004 ~ .008	.012 ~ .079																		● 2859			
	TNGG331L-S	.016	.004 ~ .008	.016 ~ .079																		● 2860			
	TNGG332L-S	.031	.005 ~ .009	.024 ~ .079																		● 2861			
NEW -S Cermet Finishing Right Hand Shown	TNGG330.5R-S	.008	.004 ~ .008	.012 ~ .079																		● 2856			
	TNGG331R-S	.016	.004 ~ .008	.016 ~ .079																		● 2857			
	TNGG332R-S	.031	.005 ~ .009	.024 ~ .079																		● 2858			
-C Cermet Medium Left Hand Shown	TNGG330.5L-C	.008	.008 ~ .016	.012 ~ .138																		○ 2524			
	TNGG331L-C	.016	.008 ~ .016	.020 ~ .138																		○ 2526			
	TNGG332L-C	.031	.008 ~ .016	.039 ~ .138																		○ 2528			
-C Cermet Medium Right Hand Shown	TNGG330.5R-C	.008	.008 ~ .016	.012 ~ .138																		○ 2525			
	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

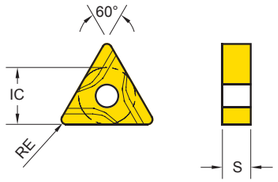
EDP 2200.. ● : Stock item ○ : Order made item

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 Low cutting force	TNMM333-UH	.047	.012 ~ .020	.079 ~ .197						● 2846															
	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

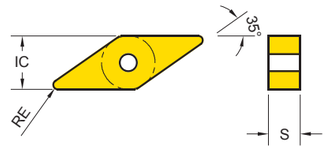
EDP 2200.. ● : Stock item ○ : Order made item

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
					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
..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					

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

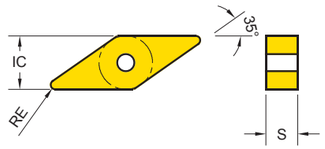
VNMA VNMG	Designation	RE	Fn (In/rev.)	Ap (In)	YG1010	YG1001	YG1020	YG3010	YG3015	YG3115	YG3125	YG3020	YG3030	YG801	YG2025	YG2035	YG211	YG213	YG214	YG401	YG411	YT100	YT100G	YG100	YG10
					K10	P05 K20	K20	P10 K30	P15	P10	P25	P20	P30	P20	M25	M35	M15	M30	M40 S30	S10	S10	P15 M15 K15	P10 M10 K10	N20	N20
..MA Cast iron	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	• 0894												
	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											

YG TURN INCH

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

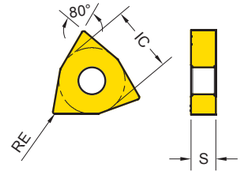
VNGG VNMG	Designation	RE	Fn (In/rev.)	Ap (In)	YG1010	YG1001	YG1020	YG3010	YG3015	YG3115	YG3125	YG3020	YG3030	YG801	YG2025	YG2035	YG211	YG213	YG214	YG401	YG411	YT100	YT100G	YG100	YG10
					K10	P05 K20	K20	P10 K30	P15	P10	P25	P20	P30	P20	M25	M35	M15	M30	M40 S30	S10	S10	P15 M15 K15	P10 M10 K10	N20	N20
-MF	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																● 1410	● 4041				
HRSA Medium																									
-PSF	VNMG331-PSF	.016	.003 ~ .012	.012 ~ .079																	● 2537	● 3582			
Cermet Finishing	VNMG332-PSF	.031	.004 ~ .014	.020 ~ .079																	● 2538	● 3583			

YG TURN INCH

Turning Inserts - Negative

WNMA / WNMG (80° Trigon)

Refer to Turning holder p. 92



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

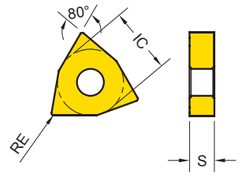
EDP 2200.. ● : Stock item ○ : Order made item

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	● 0486	● 0487	● 0338											
	WNMG431-UF	.016	.002 ~ .010	.020 ~ .098				● 0315		● 2389	● 3245	● 0316	● 0317	● 0155											
Finishing	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												
	WNMG431-UL	.016	.004 ~ .012	.020 ~ .118				● 1431		● 2703	● 3371	● 1434	● 1433												
Light Machining and Sticky Material	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												
	WNMG332-UM	.031	.006 ~ .012	.039 ~ .098	○ 1554	● 1260		● 0600		● 2402	● 3296	● 0601	● 1271												
Medium Machining Unstable condition	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											

Turning Inserts - Negative

WNMG (80° Trigon)

Refer to Turning holder p. 92



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

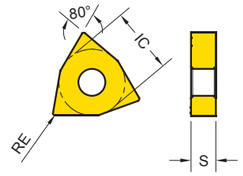
EDP 2200.. ● : Stock item ○ : Order made item

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	○			○ 2193	○ 0592								
	WNMG432-UG	.031	.008 ~ .016	.039 ~ .118	● 0908	○ 0463	● 3447	○ 0147	○ 0582	● 2194	● 3190	● 0148	● 0149	○ 0056											
	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															

Turning Inserts - Negative

WNMG (80° Trigon)

Refer to Turning holder p. 92



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

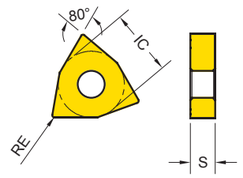
EDP 2200.. ● : Stock item ○ : Order made item

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
-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	● 0533	● 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

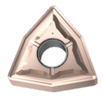
WNGG / WNMG (80° Trigon)

Refer to Turning holder p. 92



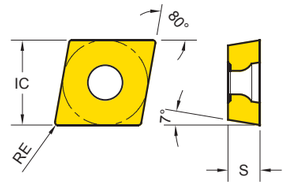
Series	IC	S
WN.. 33	.375	.187
WN.. 43	.500	.187

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

WNGG WNMG	Designation	RE	Fn (In/rev.)	Ap (In)	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	WNGG432-SF	.031	.004 ~ .010	.008 ~ .039																• 1308	• 4028				
	WNMG431-SF	.016	.004 ~ .010	.008 ~ .039																	• 4041				
-SF HRSA Finishing	WNMG432-SF	.031	.004 ~ .010	.016 ~ .039																	• 4042				
-SM HRSA Medium	WNMG432-SM	.031	.006 ~ .012	.020 ~ .118																• 1199	• 1206	• 1859	• 1311	• 4030	
	WNMG433-SM	.047	.006 ~ .012	.020 ~ .118																• 1374	• 1416	• 1860	• 1312	• 4032	
-SR  HRSA Roughing	WNMG333-SR	.047	.012 ~ .022	.079 ~ .157																	• 1489	• 4029			
	WNMG432-SR	.031	.012 ~ .022	.079 ~ .217																	• 1310	• 4031			
	WNMG433-SR	.047	.012 ~ .022	.079 ~ .217																	• 1309	• 4033			
	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	

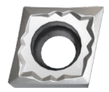
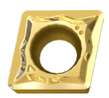
Turning Inserts - Positive

CCGT / CCMT (80° Rhombic)



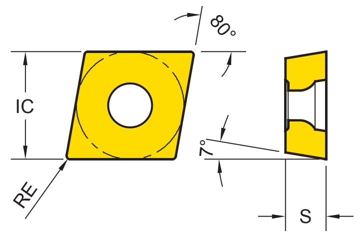
Series	IC	S
CC.. 21.5	.250	.094
CC.. 32.5	.375	.156
CC.. 43	.500	.187

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

CCGT CCMT	Designation	RE	Fn (In/rev.)	Ap (In)	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	**CCGT21.50.5-AL**	.008	.000 ~ .005	.002 ~ .118																					• 1308
	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	• 0331
	CCGT32.52-AL	.031	.001 ~ .020	.004 ~ .197																				• 0331	• 0332
	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	• 1357	• 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						

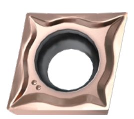
Turning Inserts - Positive

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 (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	CCGT21.50-SF	.004	.001 ~ .006	.004 ~ .059															● 2341	● 2065	● 4045				
	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				
-MF Stainless steel Finishing	CCMT21.50.5-MF	.008	.002 ~ .006	.003 ~ .079											● 2795	● [illegible]	● [illegible]	● [illegible]	● [illegible]		● [illegible]				
	CCMT21.51-MF	.016	.002 ~ .010	.004 ~ .079											● 2796	● 3674	● 2726	● 2723		● 2833	● 4087				
	CCMT21.52-MF	.031	.003 ~ .011	.005 ~ .079													● 2352	● 2439	● 2440	● 2351	● 4088				
	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						● 2568					● 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									
-MM Stainless steel Medium	CCMT21.51-MM	.016	.002 ~ .007	.012 ~ .094											● 2811	● 3675					● 4052				
	CCMT21.52-MM	.031	.003 ~ .009	.031 ~ .094											● 2812	● 3676									
	CCMT32.51-MM	.016	.003 ~ .010	.010 ~ .118											● 2514	● 3679	● 1591	● 1592	● 1946	● 2039	● 4053				
	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									

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YG-1 HEAD OFFICE - phone: +82-32-526-0909, www.yg1.solutions, E-mail: yg1@yg1.solutions

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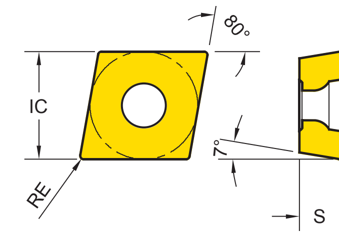
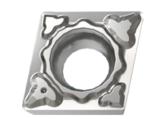
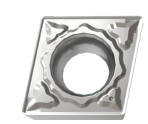
Turning Inserts - Positive

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 (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)	YG401 (S10)	YT100 (P15/M15/K15)	YT100G (P10/M10/K10)	YG100 (N20)	YG10 (N20)
- PF  Finishing	CCMT21.50.5-PF	.008	.002 ~ .006	.003 ~ .079						● 2892			● 2955									● 2782	● 3613		
	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	[illegible] ~ .012	.020 ~ .094						● 2895			● 2958												
-PM  Medium	CCMT21.51-PM	.016	.002 ~ .007	.010 ~ .094						● 2917			● 2981									● 2784	○ 3615		
	CCMT21.52-PM	.031	.003 ~ .009	.031 ~ .094						● 2918			● 2982									● 2785	○ 3616		
	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												

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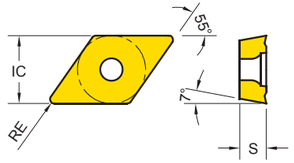
DCGT / DCMT (55° Rhombic)

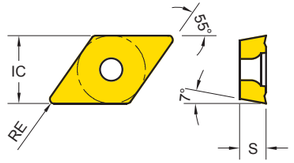


Series	IC	S
DC.. 21.5	.250	.094
DC.. 32.5	.375	.156

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	• 3212	• 0217	• 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													

DCGT / DCMT (55° Rhombic)



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

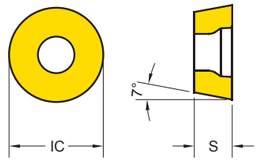
EDP 2200.. ● : Stock item ○ : Order made item

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															• 2388	• 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	• 1453	• 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	• 1990	• 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																					
	DCMT21.51-PF	.016	.002 ~ .007	.003 ~ .059																					
	DCMT32.50.5-PF	.008	.002 ~ .006	.003 ~ .079																					
	DCMT32.51-PF	.016	.002 ~ .010	.004 ~ .079																					
	DCMT32.52-PF	.031	.003 ~ .008	.006 ~ .079																					
-PM Medium	DCMT21.51-PM	.016	.003 ~ .012	.008 ~ .091																					
	DCMT21.52-PM	.031	.003 ~ .010	.020 ~ .091																					
	DCMT32.51-PM	.016	.002 ~ .010	.010 ~ .118																					
	DCMT32.52-PM	.031	.003 ~ .010	.020 ~ .118																					
	DCMT32.53-PM	.047	.005 ~ .014	.047 ~ .118																					

DCGT DCMT	Designation	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	DCMT21.50.5-PF																		● 2783	○ 3614		
	DCMT21.51-PF																		• 2544	○ 3589		
	DCMT32.50.5-PF																		• 2545	○ 3005		
	DCMT32.51-PF																		• 2546	• 3590		
	DCMT32.52-PF																		• 2547	○ 3591		
-PM Medium	DCMT21.51-PM																		• 2556	• 3600		
	DCMT21.52-PM																					
	DCMT32.51-PM																		• 2557	○ 3601		
	DCMT32.52-PM																		● 2558	○ 3602		
	DCMT32.53-PM																					

Turning Inserts - Positive

RCMT (Round)



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

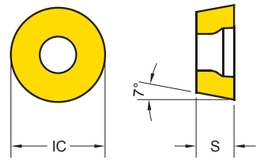
Series	IC	S
RC** 10T3	.394	.156
RC** 1204	.472	.187
RC.. 1606	.630	.250

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								
General	RCMT0602M0-SM	.118	.005 ~ .013	.012 ~ .063																● 2571	● 4065				
	RCMT0803M0-SM	.157	.006 ~ .016	.012 ~ .079																● 2570	● 4066				
-SM	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

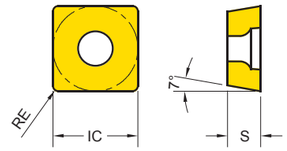
Series	IC	S
RC.. 2507	.984	.313
RC.. 3209	1.260	.375

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
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												
-UT	RCMX2507M0-UT	.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)



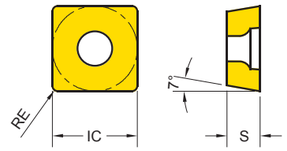
Series	IC	S
SC.. 32.5	.375	.156
SC.. 43	.500	.187

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

SCGT SCMT		Designation	RE	Fn (In/rev.)	Ap (In)	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
-AL	Aluminium	SCGT32.51-AL	.016	.001 ~ .016	.004 ~ .197																					• 1516
		SCGT32.52-AL	.031	.002 ~ .016	.004 ~ .197																					i17
-UF	Finishing	SCMT32.51-UF	.016	.002 ~ .010	.020 ~ .079				• 0386		• 2628	• 3260	• 0887	• 0788												
		SCMT32.52-UF	.031	.002 ~ .010	.039 ~ .079	● 2083			• 1021		• 2629	• 3339	• 0122	• 0789												
-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)

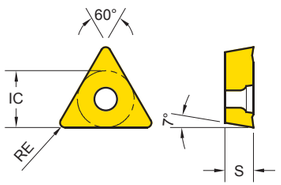


Series	IC	S
SC.. 32.5	.375	.156
SC.. 43	.500	.187

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

SCMT		Designation	RE	Fn (In/rev.)	Ap (In)	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
-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)

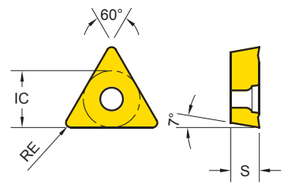


Series	IC	S
TC.. 1.81.5	.219	.094
TC.. 21.5	.250	.094
TC.. 32.5	.375	.156

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		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	0335
		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)



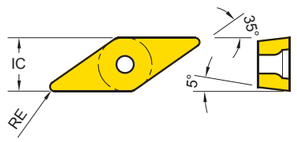
Series	IC	S
TC.. 21.5	.250	.094
TC.. 32.5	.375	.156

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		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	2035	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																					
		TCMT21.51-PF	.016	.003 ~ .008	.008 ~ .067																					
		TCMT21.52-PF	.031	.003 ~ .010	.012 ~ .067																					
		TCMT32.51-PF	.016	.002 ~ .010	.004 ~ .079																					
		TCMT32.52-PF	.031	.003 ~ .012	.006 ~ .079																					
-PM	Medium	TCMT21.51-PM	.016	.002 ~ .007	.010 ~ .087																					
		TCMT21.52-PM	.031	.004 ~ .010	.020 ~ .087																					
		TCMT32.51-PM	.016	.003 ~ .010	.010 ~ .118																					
		TCMT32.52-PM	.031	.004 ~ .012	.020 ~ .118																					
		TCMT32.53-PM	.047	.005 ~ .014	.035 ~ .118																					

Turning Inserts - Positive

VBGT / VBMT (35° Rhombic)



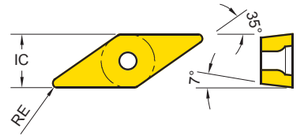
Series	IC	S
VB.. 22	.250	.125
VB.. 33	.375	.187

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			2102	1041
	VBGT220.5-SF	.008	.001 ~ .008	.004 ~ .059															2433		4075			1353	1042
	VBGT221-SF	.016	.002 ~ .008	.008 ~ .059															2338		4076			1519	1518
	VBGT331-SF	.016	.002 ~ .008	.008 ~ .079																2350	4077			0418	0417
	VBGT332-SF	.031	.002 ~ .008	.016 ~ .079																3172	4078			0336	0087
-UF Finishing	VBMT221-UF	.016	.002 ~ .006	.004 ~ .031						2697														0420	0419
	VBMT222-UF	.016	.002 ~ .006	.016 ~ .039						2698														2082	2081
	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			

Turning Inserts - Positive

VCGT / VCMT (35° Rhombic)



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

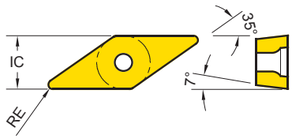
EDP 2200.. ● : Stock item ○ : Order made item

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																					
	VCGT220.5-AL	.008	.001 ~ .008	.002 ~ .118																					
	VCGT221-AL	.016	.001 ~ .010	.004 ~ .157																					
	VCGT330.5-AL	.008	.001 ~ .012	.002 ~ .197																					
	VCGT331-AL	.016	.001 ~ .016	.004 ~ .197																					
	VCGT332-AL	.031	.001 ~ .020	.004 ~ .197																					
	VCGT333-AL	.047	.001 ~ .020	.004 ~ .197																					
-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

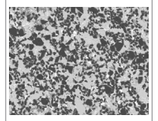
PCBN Turning Inserts

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

PCBN - Turning Grades

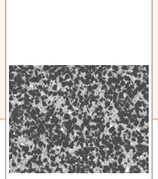
Turning Grades		K Cast iron			H Hardened Steel		
		K10	K20	K30	H10	H20	H30
PCBN	YBN50				YBN50		
	YBN65					YBN65	
	YBN65A					YBN65A	
	YBN90	YBN90					YBN90

NEW
YBN50
H5 - H15



Uncoated PCBN grade for
Continuous to light interrupted turning of hardened steels
- Low content PCBN with excellent chemical wear resistance

NEW
YBN65A
H10 - H25

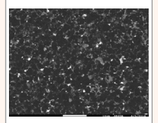


Coated PCBN Grade for
Continuous to Medium interrupted turning of hardened steels
- A coated(AlTiSiN Multi layer) PCBN grade for higher cutting speed
- Medium content PCBN with superior edge toughness, Good flank and crater wear resistance
- Suitable for both roughing and finishing

NEW
YBN65
H10 - H25

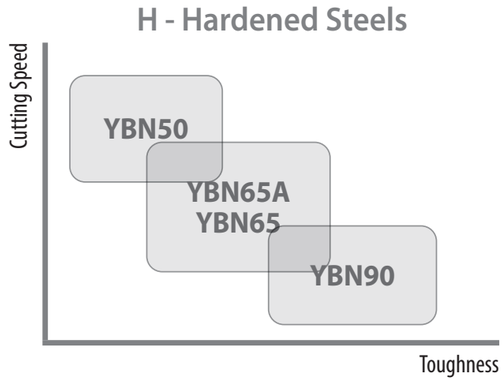
Uncoated PCBN grade for
Continuous to Medium interrupted turning of hardened steels
- Medium content PCBN with superior edge toughness, good flank and crater wear resistance
- Suitable for both roughing and finishing

NEW
YBN90
H20 - H35
K05 - K20



Uncoated PCBN grade of Severe interrupted turning of hardened steels, and the Stable machining of Gray Cast iron, Sintered alloy steel
- High content PCBN with high wear resistance, superior impact strength
- Excellent edge quality and retention

H - Hardened Steels



PCBN - Turning Insert Code System

1	2	3	4	5		6
2	S	CNGA432	S	004	20	WG
Number of PCBN corner	PCBN Length	Insert ISO Code System	Edge preparation	① Chamfer width	② Chamfer angel	Special shape

1 - Number of PCBN corner

1	One corner PCBN
2	Two corner PCBN

4S CNGA

2S CNGA

2 - PCBN Length

N	Normal PCBN tip length, Regrindable
S	Small PCBN tip length One time use
SD	Solid PCBN
FT	Full Top PCBN

3 - Insert ISO Code System

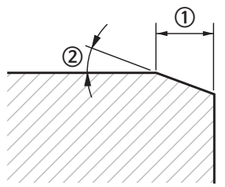
Refer to Page. 16

4 - Edge preparation

T	T-Land, None Honing
S	T-Land with Honed
X	Special land shape

5 - Chamfer

①	Chamfer width (004 means .004inch)
②	Chamfer angle (20 means 20°)



6 - Special shape

WG	Wiper
None	No Wiper

Grade Name Code System

1	2	3	4
Y	BN	65	A
Company Name	Materials	Contents of PCBN	Kind of Coating

1 - Company Name

Y	YG-1

2 - Materials

BN	PCBN

3 - Contents of PCBN

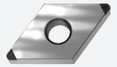
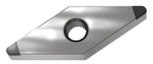
50	50%
65	65%
90	90%

4 - Kind of Coating

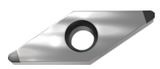
None	Uncoated
A	AlTiSiN multi-layer
B	TiAlN-TiN

PCBN - Turning Inserts Overview

Negative Inserts

Shape		Series	No. of PCBN Eege	Size & Thickness							Page
C		CNGA	2						43		73
			4						43		
D		DNGA	2						43	44	74
			4						43		
S		SNGA	4						43		75
T		TNGA	3					33			76
			6					33			
V		VNGA	2					33			77
W		WNGA	3						43		78
			6						43		

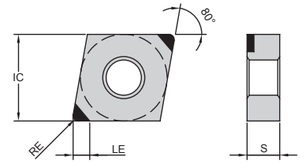
Positive Inserts

Shape		Series	No. of PCBN Eege	Size & Thickness							Page
C		CCGW	2		21.5		32.5				79
D		DCGW	2		21.5		32.5				80
S		SCGW	2				32.5				81
T		TCGW	3	1.81.5	21.5		32.5				82
		TPGW	3	1.81.5		22		33			83
V		VBGW	2			22		33			84
		VCGW	2			22		33			85

Turning Inserts - Negative

CNGA - PCBN (80° Rhombic)

Refer to Turning holder p.87



Series	IC	S
CN.. 43	.500	.187

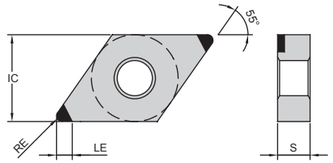
EDP 2200..
●: Stock item ○: Order made item

CNGA	Designation	RE	LE	Fn (In/rev.)	Ap (In)	No. of PCBN Eege	H05-H15 YBN50	H10-H25 YBN65	H10-H25 YBN65A	H20-H35 K05-K20 YBN90
	2S CNGA431 S00525	.016	.098	.001 ~ .008	.002 ~ .012	2		● 3008		
	2S CNGA432 S00525	.031	.094	.001 ~ .008	.002 ~ .012	2	● 3009	• 3010	• 3011	
	2S CNGA432 T00420	.031	.094	.001 ~ .008	.002 ~ .012	2				● 3065
	4S CNGA432 S00525	.031	.094	.001 ~ .008	.002 ~ .012	4		● 3012	• 3013	
	2S CNGA433 S00525	.047	.091	.001 ~ .008	.002 ~ .012	2		● 3014		
	2S CNGA431 S00515WG	.016	.098	.001 ~ .008	.002 ~ .012	2		● 3015		
	2S CNGA432 S00515WG	.031	.094	.001 ~ .008	.002 ~ .012	2	● 3016	• 3017	• 3018	
	2S CNGA432 T00420 WG	.031	.094	.001 ~ .008	.002 ~ .012	2				● 3066
	4S CNGA432 S00515 WG	.031	.094	.001 ~ .008	.002 ~ .012	4	● 3019	● 3020	● 3021	
	4S CNGA432 T00420 WG	.031	.094	.001 ~ .008	.002 ~ .012	4				● 3067
	2S CNGA433 S00515 WG	.047	.091	.001 ~ .008	.002 ~ .012	2		● 3022		

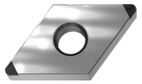
Turning Inserts - Negative

DNGA - PCBN (55° Rhombic)

Refer to Turning holder p. 88



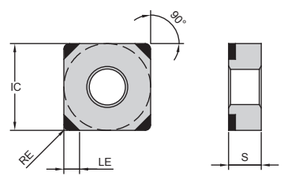
Series	IC	S
DN.. 43	.500	.187
DN.. 44	.500	.250

DNGA	Designation	RE	LE	Fn (In/rev.)	Ap (In)	No. of PCBN Eege	H05-H15 / K05-K20 YBN50	H10-H25 YBN65	H10-H25 YBN65A	H20-H35 / K05-K20 YBN90
	2S DNGA431 S00525	.016	.098	.001 ~ .008	.002 ~ .012	2		● 3023		
	2S DNGA432 S00525	.031	.091	.001 ~ .008	.002 ~ .012	2	● 3024	● 3025	● 3026	
	2S DNGA432 T00420	.031	.091	.001 ~ .008	.002 ~ .012	2				● 3068
	4S DNGA432 S00525	.031	.091	.001 ~ .008	.002 ~ .012	4		● 3027	● 3028	
	2S DNGA433 S00525	.047	.079	.001 ~ .008	.002 ~ .012	2		● 3029		
	2S DNGA441 S00525	.016	.098	.001 ~ .008	.002 ~ .012	2		● 3030		
	2S DNGA442 S00525	.031	.091	.001 ~ .008	.002 ~ .012	2	● 3031	● 3032	● 3033	
	2S DNGA442 T00420	.031	.091	.001 ~ .008	.002 ~ .012	2				● 3069
	2S DNGA443 S00525	.047	.079	.001 ~ .008	.002 ~ .012	2		● 3034		

Turning Inserts - Negative

SNGA - PCBN (Square)

Refer to Turning holder p. 89



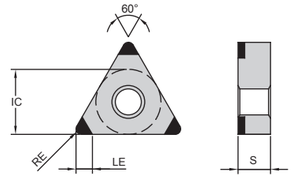
Series	IC	S
SN.. 43	.500	.187

SNGA	Designation	RE	LE	Fn (In/rev.)	Ap (In)	No. of PCBN Eege	H05-H15 / K05-K20 YBN50	H10-H25 YBN65	H10-H25 YBN65A	H20-H35 / K05-K20 YBN90
	4S SNGA431 S00525	.016	.091	.001 ~ .008	.002 ~ .012	4		● 3035		
	4S SNGA432 S00525	.031	.091	.001 ~ .008	.002 ~ .012	4	● 3036	● 3037	● 3038	
	4S SNGA432 T00420	.031	.091	.001 ~ .008	.002 ~ .012	4				● 3070
	4S SNGA433 S00525	.047	.091	.001 ~ .008	.002 ~ .012	4		● 3039		

Turning Inserts - Negative

TNGA - PCBN (60˚ Triangle)

Refer to Turning holder p. 90



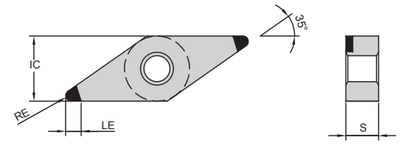
Series	IC	S
TN.. 33	.375	.187

TNGA	Designation	RE	LE	Fn (In/rev.)	Ap (In)	No. of PCBN Eege	H05-H15 YBN50	H10-H25 YBN65	H10-H25 YBN65A	H20-H35 K05-K20 YBN90
	3S TNGA331 S00525	.016	.102	.001 ~ .008	.002 ~ .012	3		● 3040		
	3S TNGA332 S00525	.031	.091	.001 ~ .008	.002 ~ .012	3	● 3041	• 3042	• 3043	
	3S TNGA332 T00420	.031	.091	.001 ~ .008	.002 ~ .012	3				● 3071
	6S TNGA332 S00525	.031	.091	.001 ~ .008	.002 ~ .012	6		● 3044	• 3045	
	3S TNGA333 S00525	.047	.079	.001 ~ .008	.002 ~ .012	3		● 3046		

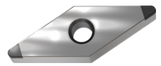
Turning Inserts - Negative

VNGA - PCBN (35˚ Rhombic)

Refer to Turning holder p. 91



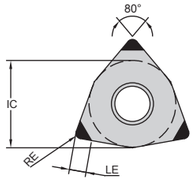
Series	IC	S
VN.. 33	.375	.187

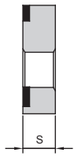
VNGA	Designation	RE	LE	Fn (In/rev.)	Ap (In)	No. of PCBN Eege	H05-H15 YBN50	H10-H25 YBN65	H10-H25 YBN65A	H20-H35 K05-K20 YBN90
	2S VNGA331 S00525	.016	.098	.001 ~ .008	.002 ~ .012	2		● 3047		
	2S VNGA332 S00525	.031	.079	.001 ~ .008	.002 ~ .012	2	● 3048	• 3049	• 3050	
	2S VNGA332 T00420	.031	.079	.001 ~ .008	.002 ~ .012	2				● 3072

Turning Inserts - Negative

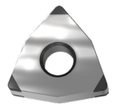
WNGA - PCBN (80° Trigon)

Refer to Turning holder p. 92





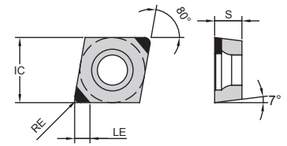
Series	IC	S
WN.. 43	.500	.187



WNGA	Designation	RE	LE	Fn (In/rev.)	Ap (In)	No. of PCBN Eege	H05-H15 YBN50	H10-H25 YBN65	H10-H25 YBN65A	H20-H35 K05-K20 YBN90
	3S WNGA431 S00525	.016	.098	.001 ~ .008	.002 ~ .012	3		● 3051		
	3S WNGA432 S00525	.031	.094	.001 ~ .008	.002 ~ .012	3	● 3052	• 3053	• 3054	
	3S WNGA432 T00420	.031	.094	.001 ~ .008	.002 ~ .012	3				● 3073
	6S WNGA432 S00525	.031	.094	.001 ~ .008	.002 ~ .012	6		● 3055	• 3056	
	3S WNGA433 S00525	.047	.091	.001 ~ .008	.002 ~ .012	3		● 3057		
	3S WNGA431 S00515 WG	.016	.098	.001 ~ .008	.002 ~ .012	3		● 3058		
	3S WNGA432 S00515 WG	.031	.094	.001 ~ .008	.002 ~ .012	3	● 3059	• 3060	• 3061	
	3S WNGA432 T00420 WG	.031	.094	.001 ~ .008	.002 ~ .012	3				• 3074
	6S WNGA432 S00515 WG	.031	.094	.001 ~ .008	.002 ~ .012	6		● 3062	• 3063	
	3S WNGA433 S00515 WG	.047	.091	.001 ~ .008	.002 ~ .012	3		● 3064		

Turning Inserts - Positive

CCGW - PCBN (80° Rhombic)

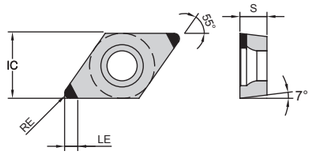


Series	IC	S
CC.. 21.5	.250	.094
CC.. 32.5	.375	.156

CCGW	Designation	RE	LE	Fn (In/rev.)	Ap (In)	No. of PCBN Eege	H05-H15 YBN50	H10-H25 YBN65	H10-H25 YBN65A	H20-H35 K05-K20 YBN90
	2S CCGW21.50.5 S00525	.008	.102	.001 ~ .008	.002 ~ .012	2		● 3075		
	2S CCGW21.51 S00525	.016	.098	.001 ~ .008	.002 ~ .012	2	● 3076	• 3077	• 3078	
	2S CCGW21.51 T00420	.016	.098	.001 ~ .008	.002 ~ .012	2				● 3133
	2S CCGW21.52 S00525	.031	.094	.001 ~ .008	.002 ~ .012	2		● 3079	• 3080	
	2S CCGW32.50.5 S00525	.008	.102	.001 ~ .008	.002 ~ .012	2		● 3081		
	2S CCGW32.51 S00525	.016	.098	.001 ~ .008	.002 ~ .012	2		● 3082	• 3083	
	2S CCGW32.52 S00525	.031	.094	.001 ~ .008	.002 ~ .012	2	● 3084	• 3085	• 3086	
	2S CCGW32.52 T00420	.031	.094	.001 ~ .008	.002 ~ .012	2				• 3134
	2S CCGW32.51 S00515 WG	.016	.098	.001 ~ .008	.002 ~ .012	2		● 3087	• 3088	
	2S CCGW32.52 S00515 WG	.031	.094	.001 ~ .008	.002 ~ .012	2		● 3089	● 3090	

Turning Inserts - Positive

DCGW - PCBN (55˚ Rhombic)

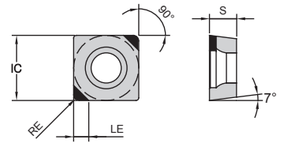


Series	IC	S
DC.. 21.5	.250	.094
DC.. 32.5	.375	.156

DCGW	Designation	RE	LE	Fn (In/rev.)	Ap (In)	No. of PCBN Eege	H05-H15 YBN50	H10-H25 YBN65	H10-H25 YBN65A	H20-H35 K05-K20 YBN90
	2S DCGW21.50.5 S00525	.008	.106	.001 ~ .008	.002 ~ .012	2		3091		
	2S DCGW21.51 S00525	.016	.098	.001 ~ .008	.002 ~ .012	2		3092	3093	
	2S DCGW21.52 S00525	.031	.091	.001 ~ .008	.002 ~ .012	2	3094	3095	3096	
	2S DCGW21.52 T00420	.031	.091	.001 ~ .008	.002 ~ .012	2				3135
	2S DCGW32.50.5 S00525	.008	.106	.001 ~ .008	.002 ~ .012	2		3097	3098	
	2S DCGW32.51 S00525	.016	.098	.001 ~ .008	.002 ~ .012	2		3099	3100	
	2S DCGW32.52 S00525	.031	.091	.001 ~ .008	.002 ~ .012	2	3101	3102	3103	
	2S DCGW32.52 T00420	.031	.091	.001 ~ .008	.002 ~ .012	2				3136

Turning Inserts - Positive

SCGW - PCBN (Square)

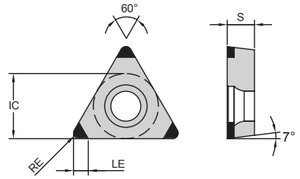


Series	IC	S
SC.. 32.5	.375	.156

SCGW	Designation	RE	LE	Fn (In/rev.)	Ap (In)	No. of PCBN Eege	H05-H15 YBN50	H10-H25 YBN65	H10-H25 YBN65A	H20-H35 K05-K20 YBN90
	2S SCGW32.51 S00525	.016	.091	.001 ~ .008	.002 ~ .012	2		3104		
	2S SCGW32.52 S00525	.031	.091	.001 ~ .008	.002 ~ .012	2		3105		

Turning Inserts - Positive

TCGW - PCBN (Triangle)

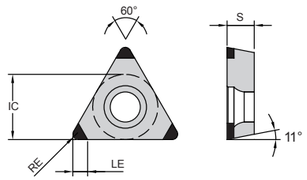


Series	IC	S
TC.. 1.81.5	.219	.094
TC.. 21.5	.250	.094
TC.. 32.5	.375	.156

TCGW	Designation	RE	LE	Fn (In/rev.)	Ap (In)	No. of PCBN Eege	H05-H15 YBN50	H10-H25 YBN65	H10-H25 YBN65A	H20-H35 K05-K20 YBN90
	3S TCGW1.81.51 S00525	.016	.102	.001 ~ .008	.002 ~ .012	3		3106		
	3S TCGW21.51 S00525	.016	.102	.001 ~ .008	.002 ~ .012	3		3107	3108	
	3S TCGW21.52 S00525	.031	.091	.001 ~ .008	.002 ~ .012	3		3109	3110	
	3S TCGW32.51 S00525	.016	.102	.001 ~ .008	.002 ~ .012	3		3111	3112	
	3S TCGW32.52 S00525	.031	.091	.001 ~ .008	.002 ~ .012	3	3113	3114	3115	
	3S TCGW32.52 T00420	.031	.091	.001 ~ .008	.002 ~ .012	3				3137

Turning Inserts - Positive

TPGW - PCBN (Triangle)

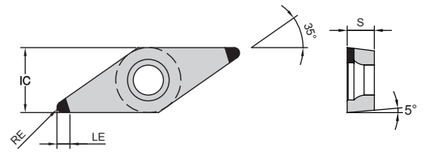


Series	IC	S
TP.. 1.81.5	.219	.094
TP.. 22	.250	.125
TP.. 33	.375	.187

TPGW	Designation	RE	LE	Fn (In/rev.)	Ap (In)	No. of PCBN Eege	H05-H15 YBN50	H10-H25 YBN65	H10-H25 YBN65A	H20-H35 K05-K20 YBN90
	3S TPGW1.81.51 S00525	.016	.102	.001 ~ .008	.002 ~ .012	3		3116		
	3S TPGW1.81.52 S00525	.031	.091	.001 ~ .008	.002 ~ .012	3		3117		
	3S TPGW221 S00525	.016	.102	.001 ~ .008	.002 ~ .012	3		3118		
	3S TPGW222 S00525	.031	.091	.001 ~ .008	.002 ~ .012	3		3119		
	3S TPGW331 S00525	.016	.102	.001 ~ .008	.002 ~ .012	3		3120		
	3S TPGW332 S00525	.031	.091	.001 ~ .008	.002 ~ .012	3		3121		

Turning Inserts - Positive

VBGW - PCBN (35° Rhombic)

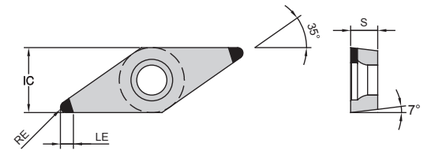


Series	IC	S
VB.. 22	.250	.125
VB.. 33	.375	.187

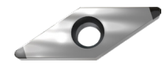
VBGW	Designation	RE	LE	Fn (In/rev.)	Ap (In)	No. of PCBN Eege	H05-H15 YBN50	H10-H25 YBN65	H10-H25 YBN65A	H20-H35 K05-K20 YBN90
	2S VBGW221 S00525	.016	.098	.001 ~ .008	.002 ~ .012	2		3122		
	2S VBGW222 S00525	.031	.079	.001 ~ .008	.002 ~ .012	2		3123		
	2S VBGW331 S00525	.016	.098	.001 ~ .008	.002 ~ .012	2		3124	3125	
	2S VBGW332 S00525	.031	.079	.001 ~ .008	.002 ~ .012	2	3126	3127	3128	
	2S VBGW332 T00420	.031	.079	.001 ~ .008	.002 ~ .012	2				3138

Turning Inserts - Positive

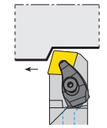
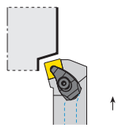
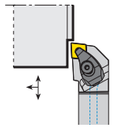
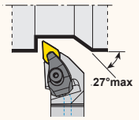
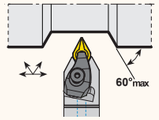
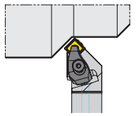
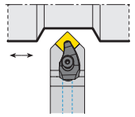
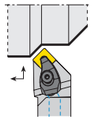
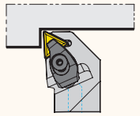
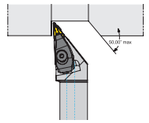
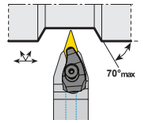
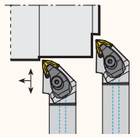
VCGW - PCBN (35° Rhombic)



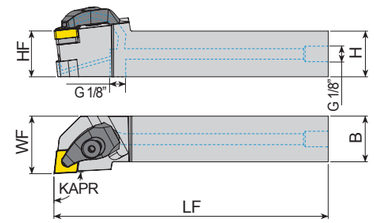
Series	IC	S
VC.. 22	.250	.125
VC.. 33	.375	.187

VCGW	Designation	RE	LE	Fn (In/rev.)	Ap (In)	No. of PCBN Eege	H05-H15 YBN50	H10-H25 YBN65	H10-H25 YBN65A	H20-H35 K05-K20 YBN90
	2S VCGW221 S00525	.016	.098	.001 ~ .008	.002 ~ .012	2		3129		
	2S VCGW222 S00525	.031	.079	.001 ~ .008	.002 ~ .012	2		3130		
	2S VCGW331 S00525	.016	.098	.001 ~ .008	.002 ~ .012	2		3131		
	2S VCGW332 S00525	.031	.079	.001 ~ .008	.002 ~ .012	2		3132		

External Holders Overview

Series	Turning Holder		
CNMA CNMG CNGG CNMM	 DCBNR/L Double Clamp	 DCKNR/L Double Clamp	 DCLNR/L Double Clamp
p. 26	p. 87	p. 87	p. 87
DNMA DNMG DNGG DNMM DNUX	 DDJNR/L Double Clamp	 DDNNN Double Clamp	
p. 31	p. 88	p. 88	
SNMA SNMG SNMM	 DSBNR/L Double Clamp	 DSDNN Double Clamp	 DSSNR/L Double Clamp
p. 38	p. 89	p. 89	p. 89
TNMA TNMG TNGG TNMM TNUX	 DTJNR/L Double Clamp		
p. 42	p. 90		
VNMA VNMG VNGG	 DVJNR/L Double Clamp	 DVVNN Double Clamp	
p. 49	p. 91	p. 91	
WNMA WNMG WNGG	 DWLNR/L Double Clamp		
p. 51	p. 92		

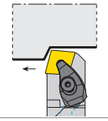
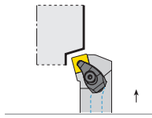
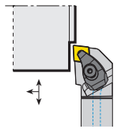
Double Clamp with Internal coolant type for CN** Insert



* 'C' Letter at Last : Optional Clamp Included

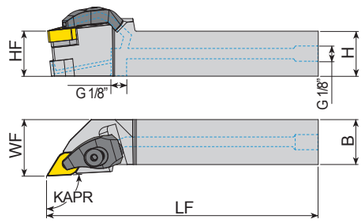
: p. 26

Unit: inch

Series		Designation	EDP 2700.. R	EDP 2700.. L	H (= HF)	B	WF	LF	Insert
	DCBNR/L Approach angle 75°	DCBNR/L 124B - C	2337	2336	.75	.75	.79	4.5	
	●	DCBNR/L 164D - C	1520	1521	1	1	.79	6	
		DC BNR/L 204D - C	1522	1523	1.25	1.2 5	.99	6	
	DCKNR/L Approach angle 75°	DCKNR/L 124B - C	2339	2338	.75	.75	1	4.5	CNMG43
	●	DCKNR/L 164D - C	1516	1517	1	1	1.25	6	
		DCKNR/L 204D - C	1518	1519	1.25	1.25	1.5	6	
	DCLNR/L Approach angle 95°	DCLNR/L 164D - C	1502	1503	1	1	1.25	6	
	●	DCLNR/L 165D - C	1506	1507	1	1	1.25	6	CNMG54
		DCLNR/L 204D - C	1504	1505	1.25	1.25	1.5	6	CNMG43
		DCLNR/L 205D - C	1508	1509	1.25	1.25	1.5	6	CNMG54
		DCLNR/L 206D - C	1512	1513	1.25	1.25	1.5	6	CNMG64
		DCLNR/L 245E - C	2342	2340	1.5	1.5	2	7	CNMG54
		DCLNR/L 246E - C	2343	2341	1.5	1.5	2	7	CNMG64
		DCLNR/L 124B - C	1500	1501	.75	.75	1	4.5	CNMG43

Series	Information	Clamp R	Clamp L	Clamp Screw	Shim	Shim Screw	Spring	O-RING	Allen Key
DC..4	Description	YATKH-01-R	YATKH-02-L	YAKV-33-M6X22	YAACN-3-0001	YAAV-13-M5x8	YAKY-01	YAXR-01	YAAL-03-3
	EDP	18000220	18000221	18000222	18000137	18000163	28000044	18000223	18000061
DC..5	Description	YATKH-07-R	YATKH-08-L	YAKV-39-M7X21	YAACN-3-0002	YAAV-05-M6x15	YAKY-01 YAKY-02	YAXR-01	YAAL-05-4
	EDP	28000051	28000052	28000056	18000138	28000046	28000044 18000164	18000223	18000062
DC..6	Description	YATKH-09-R	YATKH-10-L	YAKV-39-M7x21	YAACN-3-0003	YAAV-17-M6X14	YAKY-01 YAKY-02	YAXR-01	YAAL-05-4
	EDP	28000053	28000054	28000056	18000139	28000057	28000044 18000164	18000223	18000062

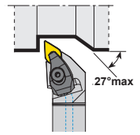
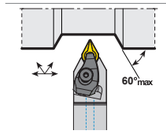
Double Clamp with Internal coolant type for DN** Insert



* '**C**' Letter at Last : Optional Clamp Included

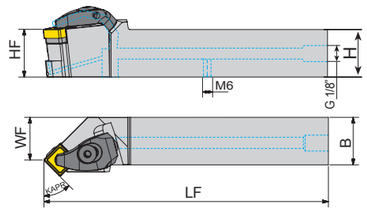
: p. 31

Unit: inch

Series		Designation	EDP 2700.. R	EDP 2700.. L	H (= HF)	B	WF	LF	Insert
	DDJNR/L Approach angle 93°	DDJNR/L 124B - C	1524	1525	.75	.75	1	4.5	DNMG43
		DDJNR/L 164D - C	1526	1527	1	1	1.25	6	
		DDJNR/L 204D - C	1528	1529	1.25	1.25	1.5	6	
	DDNNN Approach angle 62.5°	DDNNN 164D - C	1530		1	1	.5	6	
		DDNNN 204D - C	1531		1.25	1.25	.625	6	

Series	Information	Clamp R	Clamp L	Clamp Screw	Shim	Shim Screw	Spring	O-RING	Allen Key
DDJ..4	Description	YATKH-01-R	YATKH-02-L	YAKV-33-M6X22	YAADN-2-0003	YAAV-02-M5X12	YAKY-01	YAXR-01	YAAL-03-3
	EDP	18000220	18000221	18000222	18000139	18000156	28000044	18000223	18000061
DDN..4	Description	YATKH-01-R		YAKV-33-M6X22	YAADN-2-0003	YAAV-02-M5X12	YAKY-01	YAXR-01	YAAL-03-3
	EDP	18000220		18000222	18000139	18000156	28000044	18000223	18000061

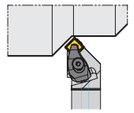
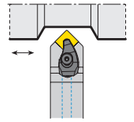
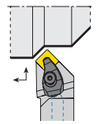
Double Clamp with Internal coolant type for SN** Insert



* '**C**' Letter at Last : Optional Clamp Included

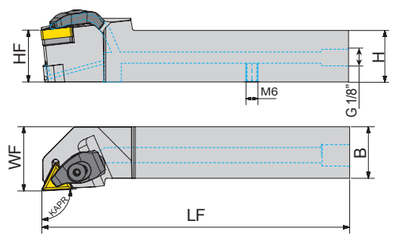
: p. 38

Unit: inch

Series		Designation	EDP 2700.. R	EDP 2700.. L	H (= HF)	B	WF	LF	Insert
	DSBNR/L Approach angle 75°	DSBNR/L 164D - C	1532	1533	1	1	.79	6	SNMG43
		DSBNR/L 165D - C	1536	1537	1	1	.79	6	SNMG54
		DSBNR/L 204D - C	1534	1535	1.25	1.25	.99	6	SNMG43
		DSBNR/L 205D - C	1538	1539	1.25	1.25	.99	6	SNMG54
	DSDNN Approach angle 45°	DSDNN 164D - C	1550		1	1	.5	6	SNMG43
		DSDNN 165D - C	1552		1	1	.5	6	SNMG54
		DSDNN 204D - C	1551		1.25	1.25	.625	6	SNMG43
		DSDNN 205D - C	1553		1.25	1.25	.625	6	SNMG54
		DSDNN 245E - C	2344		1.5	1.5	.75	7	
	DSSNR/L Approach angle 45°	DSSNR/L 164D - C	1540	1541	1	1	1.25	6	SNMG43
		DSSNR/L 165D - C	1544	1545	1	1	1.25	6	SNMG54
		DSSNR/L 204D - C	1542	1543	1.25	1.25	1.5	6	SNMG43
		DSSNR/L 205D - C	1546	1547	1.25	1.25	1.5	6	SNMG54
		DSSNR/L 245E - C	2346	2345	1.5	1.5	2	5	

Series	Information	Clamp R	Clamp L	Clamp Screw	Shim	Shim Screw	Spring	O-RING	Allen Key
DSB..4	Description	YATKH-01-R	YATKH-02-L	YAKV-33-M6X22	YAASN-3-0004	YAAV-13-M5X8	YAKY-01	YAXR-01	YAAL-03-3
	EDP	18000220	18000221	18000222	18000145	18000163	28000044	18000223	18000061
DSB..5	Description	YATKH-07-R	YATKH-08-L	YAKV-39-M7x21	YAASN-3-0023	YAAV-05-M6X10	YAKY-01	YAXR-01	YAAL-05-4
	EDP	28000051	28000052	28000056	18000219	28000046	28000044	18000223	18000062
DSD..4	Description	YATKH-01-R		YAKV-33-M6X22	YAASN-3-0004	YAAV-13-M5X8	YAKY-01	YAXR-01	YAAL-03-3
	EDP	18000220		18000222	18000145	18000163	28000044	18000223	18000061
DSD..5	Description	YATKH-07-R		YAKV-39-M7x21	YAASN-3-0023	YAAV-05-M6X10	YAKY-01 YAKY-02	YAXR-01	YAAL-05-4
	EDP	28000051		28000056	18000219	28000046	28000044 18000164	18000223	18000062
DSS..4	Description	YATKH-02-L	YATKH-01-R	YAKV-33-M6X22	YAASN-3-0004	YAAV-13-M5X8	YAKY-01	YAXR-01	YAAL-03-3
	EDP	18000221	18000220	18000222	18000145	18000163	28000044	18000223	18000061
DSS..5	Description	YATKH-08-L	YATKH-07-R	YAKV-39-M7x21	YAASN-3-0023	YAAV-05-M6X10	YAKY-01 YAKY-02	YAXR-01	YAAL-05-4
	EDP	28000052	28000051	28000056	18000219	28000046	28000044 18000164	18000223	18000061

Double Clamp with Internal coolant type for TN** Insert



* 'C' Letter at Last : Optional Clamp Included

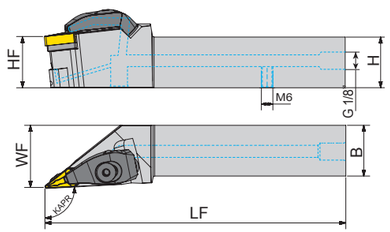
: p. 42

Unit : inch

Series		Designation	EDP 2700.. R	EDP 2700.. L	H (= HF)	B	WF	LF	Insert
DTJNR/L Approach angle 93°	●	DTJNR/L 163D - C	1555	2347	1	1	1.25	6	TNMG33
		DTJNR/L 164D - C	1559	2348	1	1	1.25	6	TNMG43
		DTJNR/L 203D - C	1557	2349	1.25	1.25	1.5	6	TNMG33
		DTJNR/L 204D - C	1561	2350	1.25	1.25	1.5	6	TNMG43

Series	Information	Clamp R	Clamp L	Clamp Screw	Shim	Shim Screw	Spring	O-RING	Allen Key
DTJ..3	Description	YATKH-03-R	YATKH-04-L	YAKV-37-M5X18	YAATN-2-0002	YAAV-03-M5X12	YAKY-03	YAXR-02	YAAL-02-2.5
	EDP	28000047	28000048	28000055	18000147	18000157	28000045	28000078	18000060
DTJ..4	Description	YATKH-01-R	YATKH-02-L	YAKV-33-M6X22	YAATN-3-0015	YAAV-13-M5X8	YAKY-01	YAXR-01	YAAL-03-3
	EDP	18000220	18000221	18000222	18000148	18000163	28000044	18000223	18000061

Double Clamp with Internal coolant type for VN** Insert



* 'C' Letter at Last : Optional Clamp Included

: p. 49

Unit : inch

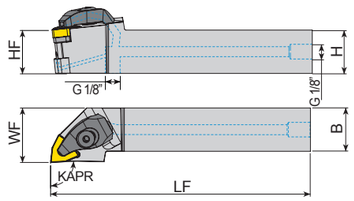
Series		Designation	EDP 2700.. R	EDP 2700.. L	H (= HF)	B	WF	LF	Insert
DVJNR/L Approach angle 93°	●	DVJNR/L 123B - C	1563	1564	.75	.75	1	4	VNMG33
		DVJNR/L 163D - C	1565	1566	1	1	1.25	6	
		DVJNR/L 203D - C	1567	1568	1.25	1.25	1.25	6	
DVVNN Approach angle 72.5°		DVVNN 123B - C	1569		.75	.75	.375	4	
		DVVNN 163D - C	1570		1	1	.5	6	

Series	Information	Clamp R	Clamp L	Clamp Screw	Shim	Shim Screw	Spring	O-RING	Allen Key
DVJ..3	Description	YATKH-05-R	YATKH-06-L	YAKV-33-M6X22	YAAVN-2-0002	YAAV-04-M5x12	YAKY-01	YAXR-01	YAAL-03-3
	EDP	28000049	28000050	18000222	18000150	18000158	28000044	18000223	18000061
DVV..3	Description	YATKH-05-R		YAKV-33-M6X22	YAAVN-2-0002	YAAV-04-M5x12	YAKY-01	YAXR-01	YAAL-03-3
	EDP	28000049		18000222	18000150	18000158	28000044	18000223	18000061

YG TURN INCH

Turning - Holder - External

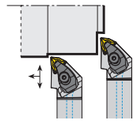
Double Clamp with Internal coolant type for WN** Insert



* '**C**' Letter at Last : Optional Clamp Included

: p. 51

Unit: inch

Series		Designation	EDP 2700.. R	EDP 2700.. L	H (= HF)	B	WF	LF	Insert
 DWLNR/L Approach angle 95°	●	DWLNR/L 123B - C	1571	1572	.75	.75	1	4.5	WNMG33
		DWLNR/L 124B - C	1575	1576	.75	.75	1	4.5	WNMG43
		DWLNR/L 163D - C	1573	1574	1	1	1.25	6	WNMG33
		DWLNR/L 164D - C	1577	1578	1	1	1.25	6	WNMG43
		DWLNR/L 204D - C	1579	1580	1.25	1.25	1.5	6	

Series	Information	Clamp R	Clamp L	Clamp Screw	Shim	Shim Screw	Spring	O-RING	Allen Key
DWL..3	Description	YATKH-03-R	YATKH-04-L	YAKV-37-M5X18	YAAWN-SW317	YAAV-01-M3X10	YAKY-03	YAXR-02	YAAL-02-2.5
	EDP	28000047	28000048	28000055	18000152	18000155	28000045	28000078	18000060
DWL..4	Description	YATKH-01-R	YATKH-02-L	YAKV-33-M6X22	YAAWN-3-0001	YAAV-13-M5X8	YAKY-01	YAXR-01	YAAL-03-3
	EDP	18000220	18000221	18000222	18000151	18000163	28000044	18000223	18000061

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PARTING & GROOVING

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