

ISO TURNING

Product Overview

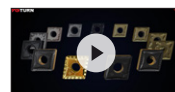
Application Guide

Turning Inserts Overview

Turning Inserts

Turning Holders Overview

Turning Holders



Scan this QR code
to see our
Turning Grades
at work.

External Turning Holder Code (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 (T)	 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 	
63°	N 		
72.5°	V 		
75°	B 		K
90°	A 	G 	F
93°		J 	U
95°		L (Both Directions) 	
107.5°		H 	

External Turning Holder Code (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

7 - Insert Size *

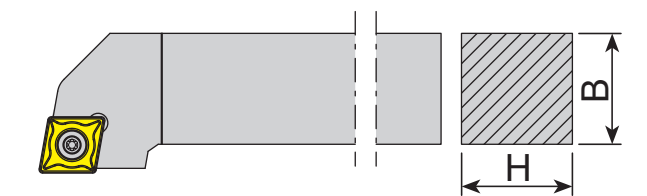
Example	is Compatible with...
MCLNR 12 4B	CNMG432
MTJNR 16 3B	TNMG331

* 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

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



Number	Hight (H)	Width (B)	Number	Hight (H)	Width (B)
10	.625	.625	06	.375	.375
12	.75	.75	05	.3125	.3125
16	1.00	1.00	64	.75	1.00
20	1.25	1.25	66	1.75	1.50
24	1.50	1.50	85	1.00	1.25
32	2.00	2.00	86	1.00	1.50
08	.50	.50	91	1.25	1.50

Insert ISO Code System

*Metric : According to ISO 1832

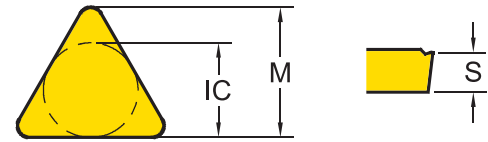
1	2	3	4	5	6	7	8	9
C	N	M	G	12	04	08	-UG	YG3115
Shape	Clearance	Tolerance	Clamping & Chipbreaker	Insert Size	Insert Thickness	Corner Radius	Chipbreaker Geometry	Grade

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	

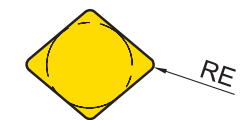
Insert ISO Code System

*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							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	●			
0	Hardened Steel		●		

3 — Grade Version

4 & 5 — Application Range

Symbol	Description
05	Stable Wear Resistant Grade Stable Application Continuous Cut Finishing
10	
15	
20	
25	
30	General Balanced Grade High Versatility General Application
35	
40	
45	Unstable Tougher Grade Unstable Application Interrupted Cut Chipping Resistance Roughing

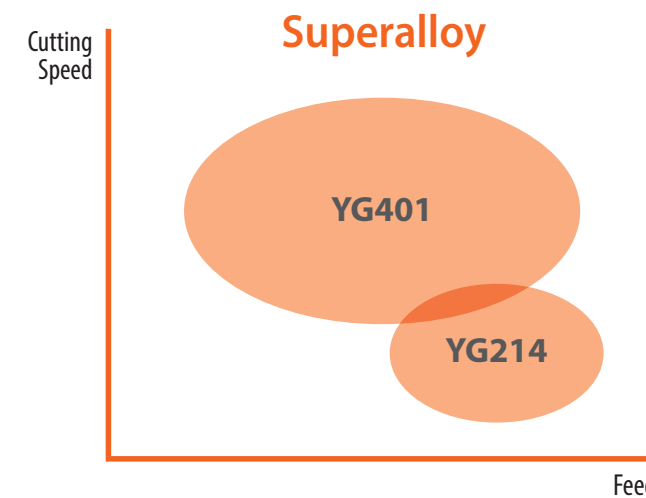
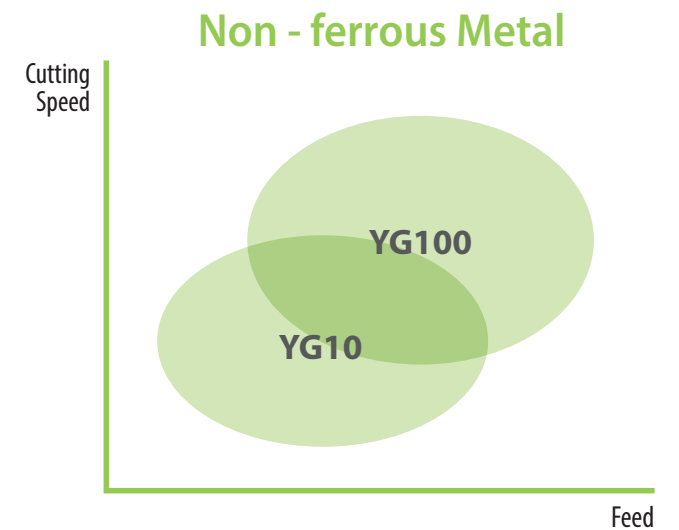
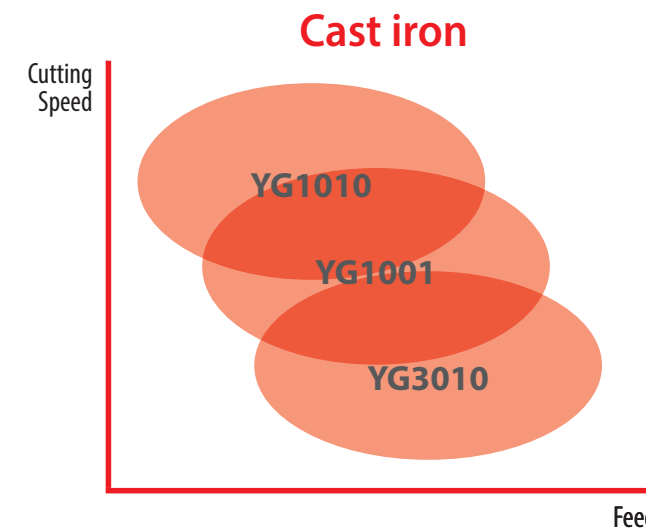
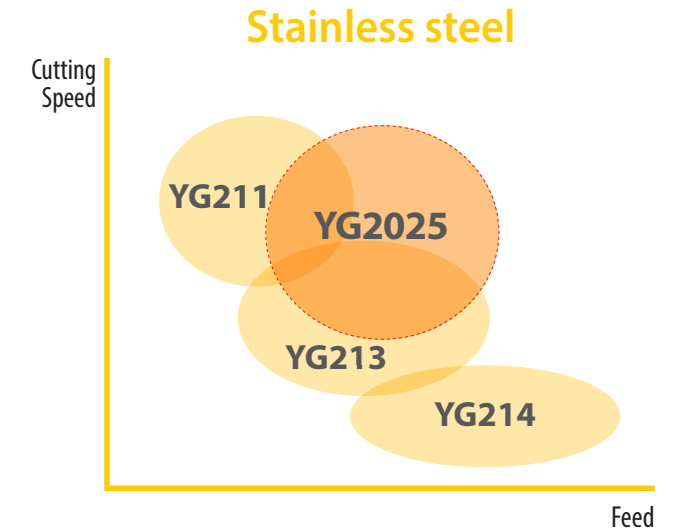
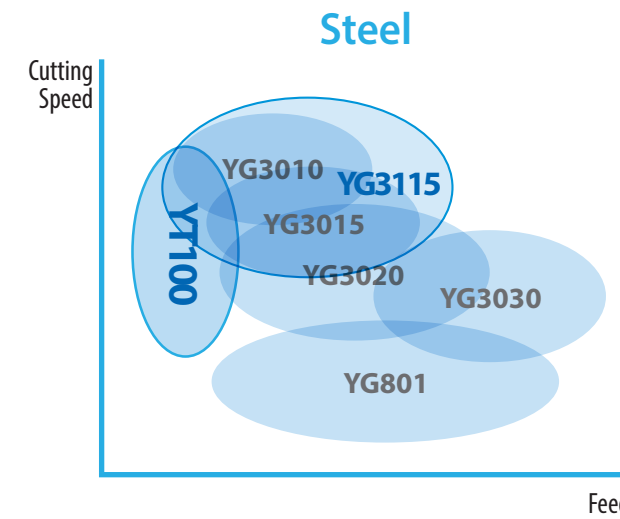
(6) — (Minor Variation)

G — Gold Coated Version

Product Overview

Turning Grades Map

Speed : Vc (ft/min.)
Feed : Fn (inch/rev.)



Product Overview
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						
	YG3010	3010						3010						
	YG3015	3015												
	YG3115	3115												
	YG3020	3020												
	YG3030	3030												
	YG2025					2025								
PVD	YG801	801												
	YG211				211									
	YG213				213									
	YG214				214								214	
	YG401												401	
Cermet	YT100	YT100			YT100			YT100						
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 ₂ O ₃ layer ensures good wear resistance at high cutting speeds including dry machining
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 ₂ O 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
NEW 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

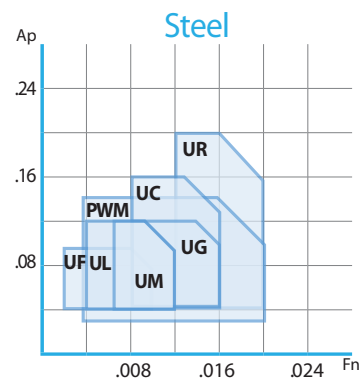
Product Overview
Turning Grades

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 ₂ O 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
NEW 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
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 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
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

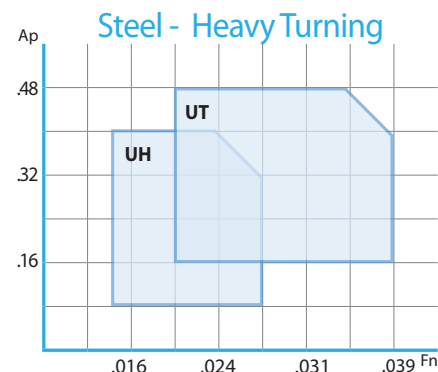
Turning Chip breakers - Negative

P	M	K	N	S	Ap	Fn	Feed								
							0	.004	.008	.012	.016	.020	.024		
P					UF	Finishing		16°	Fn .002 ~ .010	Ap .039 ~ .098					
P					UL	Semi Finishing and sticky materials		27° 18°	Fn .004 ~ .012	Ap .039 ~ .118					
P					UM	Medium & Unstable conditions		16°	Fn .006 ~ .012	Ap .039 ~ .118					
P					UG	First Choice for Medium (Stable conditions)		20° 6°	Fn .008 ~ .016	Ap .039 ~ .118					
P					PWM	Wiper - Medium		5° 18°	Fn .004 ~ .020	Ap .031 ~ .138					
P					NEW UH	Low cutting force		23°	Fn .014 ~ .028	Ap .079 ~ .354					
P					NEW UT	Heavy roughing		18° 20°	Fn .020 ~ .039	Ap .157 ~ .472					
P		K			UC	Medium Roughing and First choice for Cast iron		14°	Fn .008 ~ .016	Ap .039 ~ .157					
P		K			UR	Roughing and Heavy interrupted cut		17°	Fn .012 ~ .020	Ap .039 ~ .197					
		K			..MA	Cast iron Heavy Roughing			Fn .006 ~ .020	Ap .039 ~ .197					

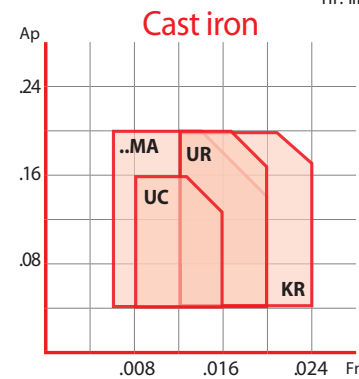
Ap : inch
Fn : inch/rev.



*Insert : CNMG432



*Insert : CNMM646

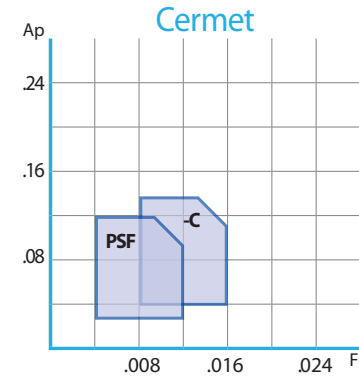


*Insert : CNMM646

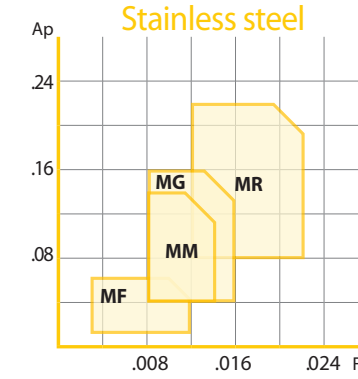
Turning Chip breakers - Negative

P	M	K	N	S	Ap	Fn	Feed								
							0	.004	.008	.012	.016	.020	.024		
		K			KR	Cast Iron Heavy Roughing		19°	Fn .012 ~ .024	Ap .039 ~ .197					
	M			S	MF	Stainless steel Finishing		18°	Fn .003 ~ .012	Ap .008 ~ .059					
	P	M		S	MM	Stainless steel Medium and Low Carbon Steel		19° 12°	Fn .008 ~ .014	Ap .039 ~ .138					
		M		S	MG	Stainless steel General		10°	Fn .008 ~ .016	Ap .039 ~ .157					
		M		S	MR	Stainless steel Roughing		8°	Fn .012 ~ .022	Ap .079 ~ .217					
				S	SF	HRSA Finishing		20°	Fn .004 ~ .010	Ap .008 ~ .039					
				S	SM	HRSA Medium		15°	Fn .006 ~ .012	Ap .020 ~ .118					
				S	SR	Roughing for HRSA		8°	Fn .012 ~ .022	Ap .079 ~ .217					
	P	M	K		NEW PSF	Cermet Finishing		15°	Fn .004 ~ .012	Ap .024 ~ .118					
	P	M	K		NEW -C	Cermet Medium		14°	Fn .008 ~ .016	Ap .039 ~ .138					

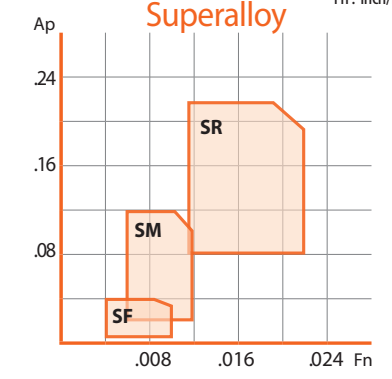
Ap : inch
Fn : inch/rev.



*Insert : CNMG432 / TNGG332



*Insert : CNMG432

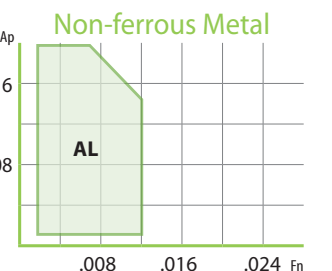
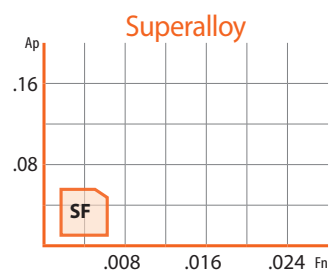
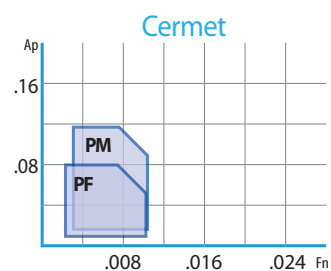
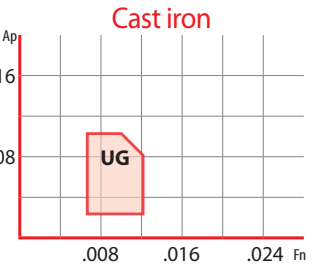
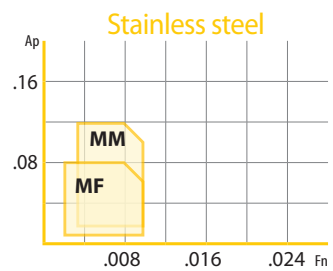
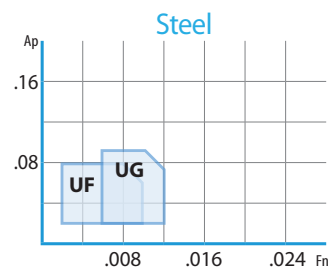


*Insert : CNMG432

Product Overview

Turning Chip breakers - Positive

P	M	K	N	S	AL	UF	UG	MF	MM	SF	PF	PM	Feed						
													Fn (inch/rev.)						
			N		Aluminum application								0	.004	.008	.012	.016	.020	.024
					Finishing application														
					Medium application														
					Stainless steel Finishing														
					Stainless steel Medium														
					HRSA Finishing														
					Cermet Finishing														
					Cermet Medium														



*Insert : CCMT32.52

Turning Inserts Overview

Negative Inserts

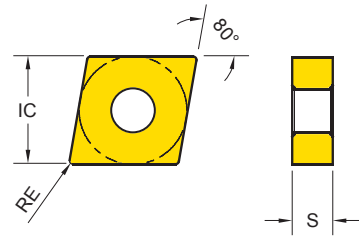
Recommended Cutting Conditions : p.164

Shape	Series	Size & Thickness						Page
C	CNMA			43		54	64	30
	CNMG	32	33	43		54	64	
	CNGG			43		54	64	
	CNMM			43			86	
D	DNMA			43	44			35
	DNMG		33	43	44			
	DNGG			43	44			
	DNMM							
	DNUX			43	44			40
K	KNUX					1604 (mm)		41
S	SNMA			43		54	64	42
	SNMG	32		43		54	64	
	SNMM					54	65	
T	TNMA		33					47
	TNMG		33		43			49
	TNGG		33					50
V	TNMX		33					51
	VNMA		33					53
W	VNMG		33					53
	WNMA			43				56
	WNMG		33	43				56
	WNGG			43				56

Positive Inserts




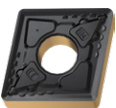
Shape	Series	Size & Thickness				Page
C	CCGT	21.5		32.5	43	57
	CCMT	21.5		32.5	43	
D	DCGT	21.5		32.5		59
	DCMT	21.5		32.5		
R	RCMT	602	803	10T3	1204	61
S	SCGT			32.5		63
	SCMT			32.5	43	
T	TCGT	21.5		32.5		64
	TCMT	21.5		32.5		
V	VBGT/VBMT		22	33		66
	VCGT/VCMT		22	33		

Turning Inserts - Negative
CNMA / CNMG (80° Rhombic)

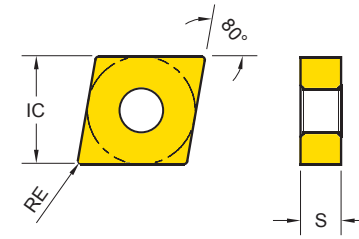


Series	IC	S	Series	IC	S
CN** 32	3/8	1/8	CN** 54	5/8	1/4
CN** 33	3/8	3/16	CN** 64	3/4	1/4
CN** 43	1/2	3/16	CN** 86	1.0	3/8

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






CNMA CNMG	Designation	RE	Fn (In/rev.)	Ap (In)	EDP 2200..																	
					K10	P05	P10	P15	P10	P20	P30	P20	M25	M15	M30	M40	S10	P15	M15	N20	N20	
					YG1010	YG1001	YG3010	YG3015	YG3115	YG3020	YG3030	YG801	YG2025	YG211	YG213	YG214	YG401	YT100	YG100	YG10		
..MA  Cast iron	CNMA431	.016	.006~.020	.020~.197	●	○	○															
	CNMA432	.031	.006~.020	.039~.197	●	○	○															
	CNMA433	.047	.006~.020	.059~.197	●	○	○															
	CNMA434	.063	.006~.020	.079~.197	●	○	○															
	CNMA543	.047	.006~.020	.059~.197	●	○	○															
	CNMA544	.063	.006~.020	.079~.197	●	○	○															
	CNMA643	.047	.006~.020	.059~.354	●	○	○															
	CNMA644	.063	.006~.039	.118~.394	●	○	○															
- UF  Finishing	CNMG431 - UF	.016	.002~.010	.020~.098			○															
	CNMG432 - UF	.031	.002~.010	.039~.098			○															
	CNMG433 - UF	.047	.002~.010	.059~.098			○															
- UL  Light Machining and Sticky Material	CNMG322 - UL	.031	.004~.012	.039~.098			○															
	CNMG323 - UL	.047	.004~.012	.059~.098			○															
	CNMG332 - UL	.031	.004~.012	.039~.098			○															
	CNMG333 - UL	.047	.004~.012	.059~.098			○															
	CNMG431 - UL	.016	.004~.012	.020~.118			○															
	CNMG432 - UL	.031	.004~.012	.039~.118			○															
	CNMG433 - UL	.047	.004~.012	.059~.118			○															
- UM  Medium Machining Unstable condition	CNMG431 - UM	.016	.006~.012	.020~.118			○															
	CNMG432 - UM	.031	.006~.012	.039~.118			○															
	CNMG433 - UM	.047	.006~.012	.059~.118			○															

Turning Inserts - Negative
CNMG (80° Rhombic)

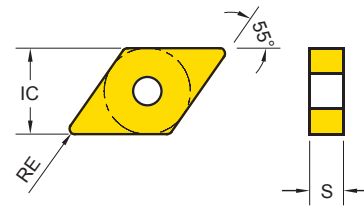


Series	IC	S	Series	IC	S
CN** 32	3/8	1/8	CN** 54	5/8	1/4
CN** 33	3/8	3/16	CN** 64	3/4	1/4
CN** 43	1/2	3/16	CN** 86	1.0	3/8

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

CNMG	Designation	RE	Fn (In/rev.)	Ap (In)	EDP 2200..																	
					K10	P05	P10	P15	P10	P20	P30	P20	M25	M15	M30	M40	S10	P15	M15	N20	N20	
					YG1010	YG1001	YG3010	YG3015	YG3115	YG3020	YG3030	YG801	YG2025	YG211	YG213	YG214	YG401	YT100	YG100	YG10		
- UG  Medium Machining at stable condition	CNMG431 - UG	.016	.008~.016	.020~.118	●	○	○															
	CNMG432 - UG	.031	.008~.016	.039~.118	●	○	○															
	CNMG433 - UG	.047	.008~.016	.059~.118	●	○	○															
	CNMG542 - UG	.031	.008~.016	.039~.197	●	○	○															
	CNMG543 - UG	.047	.008~.016	.059~.197	●	○	○															
	CNMG544 - UG	.063	.012~.020	.079~.197	●	○	○															
	CNMG642 - UG	.031	.008~.024	.039~.236	●	○	○															
	CNMG643 - UG	.047	.008~.024	.059~.236	●	○	○															
NEW - PWM  Wiper - Medium	CNMG431 - PWM	.016	.004~.020	.020~.138	●	○	○															
	CNMG432 - PWM	.031	.004~.020	.031~.138	●	○	○															
	CNMG433 - PWM	.047	.004~.020	.039~.138	●	○	○															
- UC  Cast iron and Medium roughing	CNMG431 - UC	.016	.008~.016	.020~.157	●	○	○															
	CNMG432 - UC	.031	.008~.016	.039~.157	●	○	○															
	CNMG433 - UC	.047	.008~.016	.059~.157	●	○	○															
- UR  Roughing	CNMG432 - UR	.031	.012~.020	.039~.197	●	○	○															
	CNMG433 - UR	.047	.012~.020	.059~.197	●	○	○															
	CNMG434 - UR	.063	.012~.020	.079~.197	●	○	○															
	CNMG542 - UR	.031	.012~.020	.039~.197	●	○	○															
	CNMG543 - UR	.047	.012~.020	.059~.197	●	○	○															
	CNMG544 - UR	.063	.012~.020	.079~.197	●	○	○															
	CNMG642 - UR	.031	.012~.031	.118~.354	●	○	○															
- KR  Cast Iron Heavy Roughing	CNMG432 - KR	.031	.012~.024	.039~.197	●	○	○															
	CNMG433 - KR	.047	.012~.024	.059~.197	●	○	○															
	CNMG543 - KR	.047	.012~.024	.059~.236	●	○	○															
	CNMG544 - KR	.063	.012~.024	.079~.236	●	○	○															
	CNMG643 - KR	.047	.012~.039	.118~.354	●	○	○															


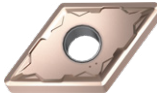


Turning Inserts - Negative DNGG / DNMG (55° Rhombic)



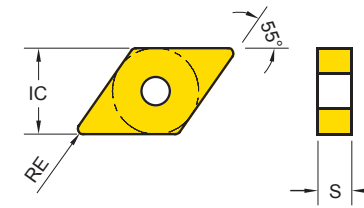
Series	IC	S
DN.. 33	3/8	3/16
DN.. 43	1/2	3/16
DN.. 44	1/2	1/4

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

K10	P05	P10	P15	P10	P20	P30	P20	M25	M15	M30	M40	S10	P15	M15	N20	N20
K20	K30										S30		K15			

DNGG DNMG	Designation	RE	Fn (In/rev.)	Ap (In)	YG1010	YG1001	YG3010	YG3015	YG3115	YG3020	YG3030	YG801	YG2025	YG211	YG213	YG214	YG401	YT100	YG100	YG10		
- SF  HRSA Finishing	DNGG431 - SF	.016	.004~.010	.008~.039																		
	DNGG432 - SF	.031	.004~.010	.008~.039																		
	DNGG441 - SF	.016	.004~.010	.008~.039																		
	DNGG442 - SF	.031	.004~.010	.008~.039																		
- SM  HRSA Medium	DNMG432 - SM	.031	.006~.012	.020~.118																		
	DNMG433 - SM	.047	.006~.012	.020~.118																		
	DNMG442 - SM	.031	.006~.012	.020~.118																		
	DNMG443 - SM	.047	.006~.012	.020~.118																		
- SR  HRSA Roughing	DNMG432 - SR	.031	.012~.022	.079~.217																		
	DNMG433 - SR	.047	.012~.022	.079~.217																		
	DNMG442 - SR	.031	.012~.022	.079~.217																		
	DNMG443 - SR	.047	.012~.022	.079~.217																		
NEW - PSF  Cermet Finishing	DNMG431 - PSF	.016	.003~.012	.016~.118																		
	DNMG432 - PSF	.031	.004~.012	.024~.118																		



Turning Inserts - Negative DNMM - Heavy Turning (55° Rhombic)



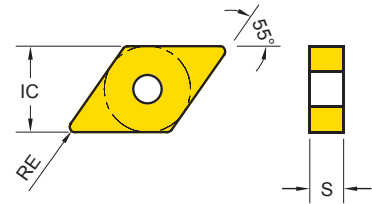
Series	IC	S
DN.. 33	3/8	3/16
DN.. 43	1/2	3/16
DN.. 44	1/2	1/4

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

K10	P05	P10	P15	P10	P20	P30	P20	M25	M15	M30	M40	S10	P15	M15	N20	N20
K20	K30										S30		K15			



DNMM	Designation	RE	Fn (In/rev.)	Ap (In)	YG1010	YG1001	YG3010	YG3015	YG3115	YG3020	YG3030	YG801	YG2025	YG211	YG213	YG214	YG401	YT100	YG100	YG10	
NEW - UH  Low cutting force	DNMM443 - UH	.047	.012~.020	.079~.276																	
NEW - UT  Heavy Roughing	DNMM443 - UT	.047	.016~.028	.079~.315																	

Turning Inserts - Negative
DNUX (4 Corners 55° Rhombic)

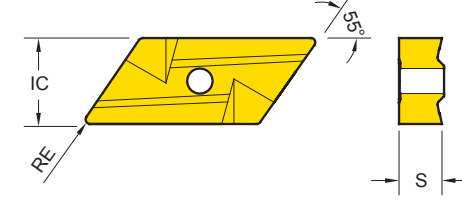


Series	LE	IC	S
DNUX.. 43	.512	1/2	3/16
DNUX.. 44	.512	1/2	1/4

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



DNUX	Designation	RE	Fn (In/rev.)	Ap (In)	EDP 2200..															
					YG1010	YG1001	YG3010	YG3015	YG3115	YG3020	YG3030	YG801	YG2025	YG211	YG213	YG214	YG401	YT100	YG100	YG10
NEW ..UX 	DNUX431L	.016	.004~.014	.028~.157		○	●	●	●											
	DNUX432L	.031	.004~.014	.039~.157		○	●	●	●											
	DNUX441L	.016	.004~.014	.028~.157		○	●	●	●											
	DNUX442L	.031	.004~.014	.039~.157		○	●	●	●											
NEW ..UX 	DNUX431R	.016	.004~.014	.028~.157		○	●	●	●											
	DNUX432R	.031	.004~.014	.039~.157		○	●	●	●											
	DNUX441R	.016	.004~.014	.028~.157		○	●	●	●					●	●	●				
	DNUX442R	.031	.004~.014	.039~.157		○	●	●	●					●	●	●				

Turning Inserts - Negative
KNUX (2 Corners 55° Rhombic)

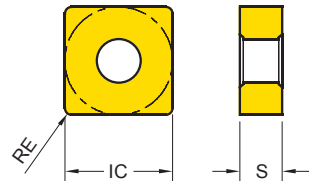


Series	LE	S
KN** 1604	.591	3/16

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





KNUX	Designation	RE	Fn (In/rev.)	Ap (In)	EDP 2200..															
					YG1010	YG1001	YG3010	YG3015	YG3115	YG3020	YG3030	YG801	YG2025	YG211	YG213	YG214	YG401	YT100	YG100	YG10
..UX 	KNUX160405L	.020	.004~.016	.020~.236		○	○	●	●	●	○									
	KNUX160410L	.039	.012~.024	.039~.236		○	○	●	●	●										
..UX 	KNUX160405R	.020	.004~.016	.020~.236		○	○	●	●	●	○									
	KNUX160410R	.039	.012~.024	.039~.236		○	○	●	●	●										

Turning Inserts - Negative
SNMA / SNMG (90° Square)

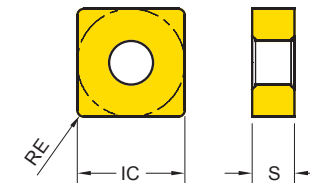


Series	IC	S
SN** 32	3/8	1/8
SN** 43	1/2	3/16
SN** 54	5/8	1/4
SN** 64	3/4	1/4
SN** 85	1	5/16
SN** 86	1	3/8

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





SNMA SNMG	Designation	RE	Fn (In/rev.)	Ap (In)	EDP 2200..																		
					K10	P05	P10	P15	P10	P20	P30	P20	M25	M15	M30	M40	S10	P15	M15	N20	N20		
					YG1010	YG1001	YG3010	YG3015	YG3115	YG3020	YG3030	YG801	YG2025	YG211	YG213	YG214	YG401	YT100	YG100	YG10			
..MA  Cast iron	SNMA432	.031	.006~.020	.039~.197	●	○	○																
	SNMA433	.047	.006~.020	.059~.197	●	○	○																
	SNMA434	.047	.006~.020	.071~.197	●	○	○																
	SNMA543	.047	.006~.020	.059~.197	●	○	○																
	SNMA644	.063	.006~.020	.079~.354	●	○	○																
-UF  Finishing	SNMG322-UF	.031	.002~.008	.039~.079					●	●													
	SNMG431-UF	.016	.002~.010	.020~.098		○			●	●	●	○											
	SNMG432-UF	.031	.002~.010	.039~.098		○			●	●	●	○											
-UL  Light Machining and Sticky Material	SNMG431-UL	.016	.004~.012	.020~.118		○			●	●	●												
	SNMG432-UL	.031	.004~.012	.039~.118		○			●	●	●												
-UM  Medium Machining Unstable condition	SNMG432-UM	.031	.006~.012	.039~.118		○	○		●	●	●												

Turning Inserts - Negative
SNMG (90° Square)

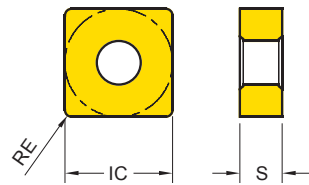


Series	IC	S
SN** 32	3/8	1/8
SN** 43	1/2	3/16
SN** 54	5/8	1/4
SN** 64	3/4	1/4
SN** 85	1	5/16
SN** 86	1	3/8

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

SNMG	Designation	RE	Fn (In/rev.)	Ap (In)	EDP 2200..																		
					K10	P05	P10	P15	P10	P20	P30	P20	M25	M15	M30	M40	S10	P15	M15	N20	N20		
					YG1010	YG1001	YG3010	YG3015	YG3115	YG3020	YG3030	YG801	YG2025	YG211	YG213	YG214	YG401	YT100	YG100	YG10			
-UG  Medium Machining at stable condition	SNMG432-UG	.031	.008~.016	.039~.118	●	○	○		●	●	○												
	SNMG433-UG	.047	.008~.016	.059~.118	●	○	○		●	●	○												
	SNMG434-UG	.063	.008~.016	.079~.118	●	○	○		●	●	○												
-UC  Cast iron and Medium roughing	SNMG432-UC	.031	.008~.016	.039~.157	●	○	○		●	●	○												
	SNMG433-UC	.047	.008~.016	.059~.157	●	○	○		●	●	○												
-UR  Roughing	SNMG432-UR	.031	.012~.020	.039~.197	●	○	○		●	●	○												
	SNMG433-UR	.047	.012~.020	.059~.197	●	○	○		●	●	○												
	SNMG434-UR	.063	.012~.020	.079~.197	●	○	○		●	●	○												
	SNMG643-UR	.047	.012~.031	.118~.354					●	●	○												
	SNMG644-UR	.063	.012~.031	.118~.354	●				●	●	○												
-KR  Cast Iron Heavy Roughing	SNMG433-KR	.047	.012~.024	.059~.197	●	○	○		●	●	○												
	SNMG434-KR	.063	.012~.024	.079~.197	●	○	○		●	●	○												





Turning Inserts - Negative SNMG (90° Square)



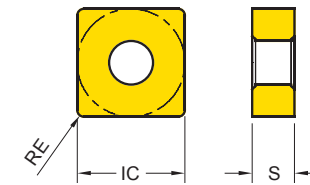
Series	IC	S
SN** 32	3/8	1/8
SN** 43	1/2	3/16
SN** 54	5/8	1/4
SN** 64	3/4	1/4
SN** 85	1	5/16
SN** 86	1	3/8

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

K10	P05	P10	P15	P10	P20	P30	P20	M25	M15	M30	M40	S10	P15	M15	N20	N20
K20	K30										S30		K15			

SNMG	Designation	RE	Fn (In/rev.)	Ap (In)	YG1010	YG1001	YG3010	YG3015	YG3115	YG3020	YG3030	YG801	YG2025	YG211	YG213	YG214	YG401	YT100	YG100	YG10		
- MF 	SNMG431 - MF	.016	.003 ~ .012	.008 ~ .059										●	●	●	○					
	SNMG432 - MF	.031	.003 ~ .012	.008 ~ .059							○		●	●	●	●	●	○				
	SNMG433 - MF	.047	.003 ~ .012	.008 ~ .059							○		●	●	●	●	●	○				
- MM 	SNMG432 - MM	.031	.008 ~ .014	.039 ~ .138										●	●	●	○					
	SNMG433 - MM	.047	.008 ~ .014	.059 ~ .138										●	●	●	○					
- MG 	SNMG431 - MG	.016	.008 ~ .016	.020 ~ .157									●									
	SNMG432 - MG	.031	.008 ~ .016	.039 ~ .157									●	●	●	●	●					
	SNMG433 - MG	.047	.008 ~ .016	.059 ~ .157									●	●	●	●	●					
- MR 	SNMG432 - MR	.031	.012 ~ .022	.079 ~ .217							○		●	●	●	●						
	SNMG433 - MR	.047	.012 ~ .022	.079 ~ .217							○		●	●	●	●						
	SNMG434 - MR	.063	.012 ~ .022	.079 ~ .217							○		●									



Turning Inserts - Negative SNMG (90° Square)



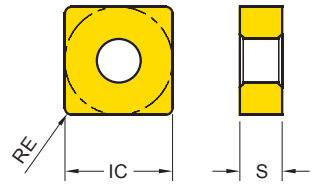
Series	IC	S
SN** 32	3/8	1/8
SN** 43	1/2	3/16
SN** 54	5/8	1/4
SN** 64	3/4	1/4
SN** 85	1	5/16
SN** 86	1	3/8

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

K10	P05	P10	P15	P10	P20	P30	P20	M25	M15	M30	M40	S10	P15	M15	N20	N20
K20	K30										S30		K15			

SNMG	Designation	RE	Fn (In/rev.)	Ap (In)	YG1010	YG1001	YG3010	YG3015	YG3115	YG3020	YG3030	YG801	YG2025	YG211	YG213	YG214	YG401	YT100	YG100	YG10	
- SM 	SNMG321 - SM	.016	.006 ~ .012	.020 ~ .118										○			●				
	SNMG432 - SM	.031	.006 ~ .012	.020 ~ .118										○	○	○	●				
- SR 	SNMG432 - SR	.031	.012 ~ .022	.079 ~ .217													●				
	SNMG433 - SR	.047	.012 ~ .022	.079 ~ .217													●				

Turning Inserts - Negative
SNMG / SNMM - Heavy Turning (90° Square)

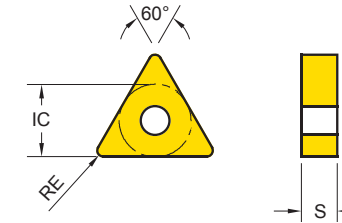


Series	IC	S
SN** 32	3/8	1/8
SN** 43	1/2	3/16
SN** 54	5/8	1/4
SN** 64	3/4	1/4
SN** 85	1	5/16
SN** 86	1	3/8

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

SNMG SNMM	Designation	RE	Fn (In/rev.)	Ap (In)	EDP 2200..																			
					YG1010	YG1001	YG3010	YG3015	YG3115	YG3020	YG3030	YG801	YG2025	YG211	YG213	YG214	YG401	YT100	YG100	YG10				
					K10	P05	P10	P15	P10	P20	P30	P20	M25	M15	M30	M40	S10	P15	N20	N20				
					K20	K30																K15		
NEW - UH Low cutting force	SNMM543 - UH	.047	.014~.024	.079~.217																				
	SNMM643 - UH	.047	.014~.028	.059~.354	●	●					●	●												
	SNMM644 - UH	.063	.014~.028	.079~.354	●	●					●	●												
	SNMM646 - UH	.094	.014~.028	.118~.354	●	●					●	●												
	SNMM866 - UH	.094	.016~.031	.118~.394	●	●					●	●												
	SNMG866 - UR	.094	.016~.039	.197~.472							●	●												
- UR Roughing	SNMM543 - UT	.047	.018~.028	.079~.236									●	●										
	SNMM643 - UT	.047	.020~.039	.118~.472	●	●					●	●												
	SNMM644 - UT	.063	.020~.039	.157~.472	●	●					●	●												
	SNMM646 - UT	.094	.020~.039	.236~.472	●	●					●	●												
	SNMM856 - UT	.094	.022~.047	.236~.512										●	●									
	SNMM866 - UT	.094	.022~.047	.236~.512	●	●					●	●												

Turning Inserts - Negative
TNMA / TNMG (60° Triangle)

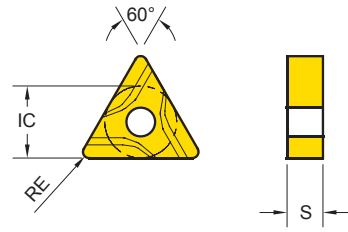


Series	IC	S
TN** 33	3/8	3/16
TN** 43	1/2	3/16

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



TNMA TNMG	Designation	RE	Fn (In/rev.)	Ap (In)	EDP 2200..																			
					YG1010	YG1001	YG3010	YG3015	YG3115	YG3020	YG3030	YG801	YG2025	YG211	YG213	YG214	YG401	YT100	YG100	YG10				
					K10	P05	P10	P15	P10	P20	P30	P20	M25	M15	M30	M40	S10	P15	N20	N20				
					K20	K30																K15		
..MA Cast iron	TNMA331	.016	.006~.020	.020~.197	●	○	○																	
	TNMA332	.031	.006~.020	.039~.197	●	○	○																	
	TNMA333	.047	.006~.020	.059~.197	●	○	○																	
- UF Finishing	TNMG331 - UF	.016	.002~.010	.020~.098		○	○			●	●	●	○											
	TNMG332 - UF	.031	.002~.010	.039~.098		○	○			●	●	●	○											
	TNMG333 - UF	.047	.002~.010	.059~.098		○	○			●	●	●	○											
- UL Light Machining and Sticky Material	TNMG331 - UL	.016	.004~.012	.020~.118		○	○			●	●	●	○											
	TNMG332 - UL	.031	.004~.012	.039~.118		○	○			●	●	●	○											
	TNMG333 - UL	.047	.004~.012	.059~.118		○	○			●	●	●	○											
- UM Medium Machining Unstable condition	TNMG331 - UM	.016	.006~.012	.020~.118	○	○	○			●	●	●	○											
	TNMG332 - UM	.031	.006~.012	.039~.118	○	○	○			●	●	●	○											
	TNMG333 - UM	.047	.006~.012	.059~.118	○	○	○			●	●	●	○											
- UG Medium Machining at stable condition	TNMG331 - UG	.016	.008~.016	.020~.118	●	○	○			●	●	●	○											
	TNMG332 - UG	.031	.008~.016	.039~.118	●	○	○			●	●	●	○											
	TNMG333 - UG	.047	.008~.016	.059~.118	●	○	○			●	●	●	○											
	TNMG432 - UG	.031	.010~.024	.039~.236	●	○	○			●	●	●	○											
	TNMG433 - UG	.047	.010~.024	.059~.236	●	○	○			●	●	●	○											
	TNMG434 - UG	.063	.010~.024	.079~.236	●	○	○			●	●	●	○											
- UC Cast iron and Medium roughing	TNMG331 - UC	.016	.008~.016	.020~.157	○	○	○			●	●	●	○											
	TNMG332 - UC	.031	.008~.016	.039~.157	○	○	○			●	●	●	○											
	TNMG333 - UC	.047	.008~.016	.059~.157	○	○	○			●	●	●	○											
- UR Roughing	TNMG332 - UR	.031	.012~.020	.039~.197	○	○	○			●	●	●	○											
	TNMG433 - UR	.047	.012~.026	.059~.276	○	○	○			●	●	●	○											

Turning Inserts - Negative
TNUX (60° Triangle)

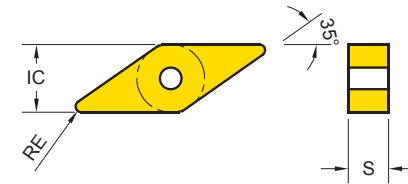


Series	LE	IC	S
TNUX 33	.370	3/8	3/16

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



TNUX	Designation	RE	Fn (In/rev.)	Ap (In)	EDP 2200..															
					YG1010	YG1001	YG3010	YG3015	YG3115	YG3020	YG3030	YG801	YG2025	YG211	YG213	YG214	YG401	YT100	YG100	YG10
..UX 	TNUX331L	.016	.004~.012	.020~.157		○	●	●	●	○										
	TNUX332L	.031	.004~.016	.039~.197		○	●	●	●	○										
..UX 	TNUX331R	.016	.004~.012	.020~.157		○	●	●	●	○										
	TNUX332R	.031	.004~.016	.039~.197		○	●	●	●	○										

Turning Inserts - Negative
VNMA / VNMG (35° Rhombic)

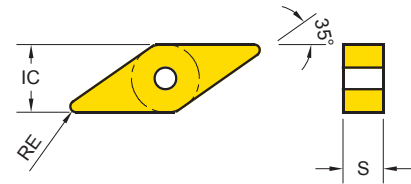


Series	IC	S
VN** 33	3/8	3/16

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

VNMA VNMG	Designation	RE	Fn (In/rev.)	Ap (In)	EDP 2200..															
					YG1010	YG1001	YG3010	YG3015	YG3115	YG3020	YG3030	YG801	YG2025	YG211	YG213	YG214	YG401	YT100	YG100	YG10
..MA 	VNMA332	.031	.006~.016	.039~.197	●	○	○													
-UF 	VNMG331 - UF	.016	.002~.010	.020~.098		○	●	●	●	○										
	VNMG332 - UF	.031	.002~.010	.039~.098		○	●	●	●	○										
-UL 	VNMG331 - UL	.016	.004~.012	.020~.118		○	●	●	●											
	VNMG332 - UL	.031	.004~.012	.039~.118		○	●	●	●											
	VNMG333 - UL	.047	.004~.012	.059~.118				●												
-UM 	VNMG332 - UM	.031	.006~.012	.039~.118		○	○	●	●	●										
	VNMG333 - UM	.047	.006~.012	.059~.118		○	○	●	●	●										
-UG 	VNMG331 - UG	.016	.008~.016	.020~.118		●	○	○	●	●	●									
	VNMG332 - UG	.031	.008~.016	.039~.118		●	○	○	●	●	●									
	VNMG333 - UG	.047	.008~.016	.059~.118		●	○	○	●	●	●									
-UC 	VNMG331 - UC	.016	.008~.016	.020~.138		●	○	○	●	●	●									
	VNMG332 - UC	.031	.008~.016	.039~.138		●	○	○	●	●	●									
	VNMG333 - UC	.047	.008~.016	.059~.138		●	○	○	●	●	●									
-UR 	VNMG333 - UR	.047	.012~.018	.059~.157		●	○	○	○	●	●	●	○							

Turning Inserts - Negative
VNMG (35° Rhombic)



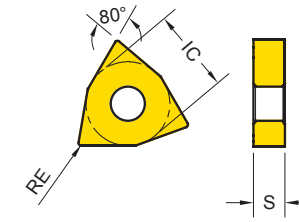
Series	IC	S
VN** 33	3/8	3/16

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

K10	P05	P10	P15	P10	P20	P30	P20	M25	M15	M30	M40	S10	P15	M15	N20	N20
K20	K30										S30		K15			

VNMG		Designation	RE	F _n (In/rev.)	A _p (In)	YG1010	YG1001	YG3010	YG3015	YG3115	YG3020	YG3030	YG801	YG2025	YG211	YG213	YG214	YG401	YT100	YG100	YG10		
- MF		VNMG331 - MF	.016	.003~.012	.008~.059										●	●	●	○					
		VNMG332 - MF	.031	.003~.012	.008~.059							○			●	●	●	●	○				
- MM		VNMG331 - MM	.016	.008~.014	.020~.138										●	●	●	○					
		VNMG332 - MM	.031	.008~.014	.039~.138										●	●	●	○					
- MG		VNMG331 - MG	.016	.008~.016	.020~.157								●										
		VNMG332 - MG	.031	.008~.016	.039~.157								●										
		VNMG333 - MG	.047	.008~.016	.059~.157								●										
- MR		VNMG332 - MR	.031	.012~.022	.079~.217						○		●	●	●	●							
- SR		VNMG332 - SR	.031	.012~.022	.079~.217														●				
NEW - PSF		VNMG331 - PSF	.016	.003~.012	.012~.079																●	2537	
		VNMG332 - PSF	.031	.004~.014	.020~.079																	●	2538

Turning Inserts - Negative
WNMA / WNMG (80° Trigon)



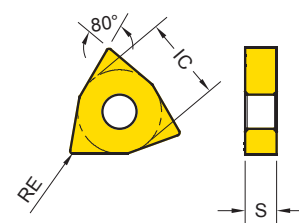
Series	IC	S
WN** 33	3/8	3/16
WN** 43	1/2	3/16

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

K10	P05	P10	P15	P10	P20	P30	P20	M25	M15	M30	M40	S10	P15	M15	N20	N20
K20	K30										S30		K15			

WNMA WNMG		Designation	RE	F _n (In/rev.)	A _p (In)	YG1010	YG1001	YG3010	YG3015	YG3115	YG3020	YG3030	YG801	YG2025	YG211	YG213	YG214	YG401	YT100	YG100	YG10		
-MA		WNMA431	.016	.006~.020	.020~.197	●	○	○															
		WNMA432	.031	.006~.020	.039~.197	○	○	○															
		WNMA433	.047	.006~.020	.059~.197	○	○	○															
-UF		WNMG331 - UF	.016	.002~.008	.020~.079			○			●	●	●	○									
		WNMG431 - UF	.016	.002~.010	.020~.098			○			●	●	●	○									
		WNMG432 - UF	.031	.002~.010	.039~.098			○			●	●	●	○									
-UL		WNMG433 - UF	.047	.002~.010	.059~.098			○			●	●	○										
		WNMG332 - UL	.031	.004~.012	.039~.098			○			●	●	●	○									
		WNMG431 - UL	.016	.004~.012	.020~.118			○			●	●	●	○									
-UM		WNMG432 - UL	.031	.004~.012	.039~.118			○			●	●	○										
		WNMG433 - UL	.047	.004~.012	.059~.118			○			●	●	○										
		WNMG331 - UM	.016	.006~.012	.020~.098			○			●	●	●	○									
-UM		WNMG332 - UM	.031	.006~.012	.039~.098			○			●	●	○										
		WNMG431 - UM	.016	.006~.012	.020~.118			○			●	●	○										
		WNMG432 - UM	.031	.006~.012	.039~.118			○			●	●	○										
		WNMG433 - UM	.047	.006~.012	.059~.118			○			●	●	○										
		WNMG434 - UM	.063	.006~.012	.079~.118			○			●	●	○										

Turning Inserts - Negative
WNMG (80° Trigon)

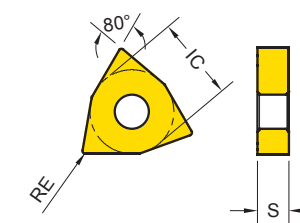


Series	IC	S
WN** 33	3/8	3/16
WN** 43	1/2	3/16

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

WNMG	Designation	RE	Fn (In/rev.)	Ap (In)	EDP 2200..															
					K10	P05	P10	P15	P10	P20	P30	P20	M25	M15	M30	M40	S10	P15	M15	N20
					YG1010	YG1001	YG3010	YG3015	YG3115	YG3020	YG3030	YG801	YG2025	YG211	YG213	YG214	YG401	YT100	YG100	YG10
- UG Medium Machining at stable condition	WNMG332 - UG	.031	.008~.016	.039~.098	●	○	○			●	●	○								
	WNMG431 - UG	.016	.008~.016	.020~.118	●	○	○			●	●	○								
	WNMG432 - UG	.031	.008~.016	.039~.118	●	○	○			●	●	○								
	WNMG433 - UG	.047	.008~.016	.059~.118	●	○	○			●	●	○								
	WNMG434 - UG	.063	.008~.016	.079~.118	●	○	○			●	●	○								
- PWM Wiper - Medium	WNMG432 - PWM	.031	.004~.020	.031~.138					●											
									2706											
- UC Cast iron and Medium roughing	WNMG332 - UC	.031	.008~.016	.039~.118	●	○	○			●	●	○								
	WNMG431 - UC	.016	.008~.016	.020~.157	●	○	○			●	●	○								
	WNMG432 - UC	.031	.008~.016	.039~.157	●	○	○			●	●	○								
	WNMG433 - UC	.047	.008~.016	.059~.157	●	○	○			●	●	○								
	WNMG434 - UC	.063	.008~.016	.079~.157	●	○	○			●	●	○								
- UR Roughing	WNMG333 - UR	.047	.012~.020	.059~.157	●	○	○			●	●	○								
	WNMG432 - UR	.031	.012~.020	.039~.197	●	○	○			●	●	○								
	WNMG433 - UR	.047	.012~.020	.059~.197	●	○	○			●	●	○								
	WNMG434 - UR	.063	.012~.020	.079~.197	●	○	○			●	●	○								
- KR Cast Iron Heavy Roughing	WNMG432 - KR	.031	.012~.024	.039~.197	●	○	○			●										
	WNMG433 - KR	.047	.012~.024	.059~.197	●	○	○			●										

Turning Inserts - Negative
WNMG (80° Trigon)

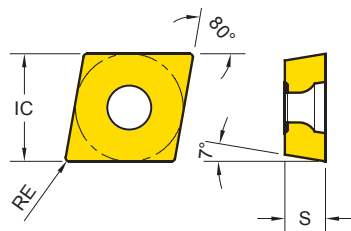


Series	IC	S
WN** 33	3/8	3/16
WN** 43	1/2	3/16

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

WNMG	Designation	RE	Fn (In/rev.)	Ap (In)	EDP 2200..															
					K10	P05	P10	P15	P10	P20	P30	P20	M25	M15	M30	M40	S10	P15	M15	N20
					YG1010	YG1001	YG3010	YG3015	YG3115	YG3020	YG3030	YG801	YG2025	YG211	YG213	YG214	YG401	YT100	YG100	YG10
- MF Stainless steel Finishing	WNMG331 - MF	.016	.003~.012	.016~.079		○				○										
	WNMG332 - MF	.031	.003~.012	.031~.079																
	WNMG431 - MF	.016	.003~.012	.016~.098																
	WNMG432 - MF	.031	.003~.012	.031~.098																
	WNMG431 - MM	.016	.008~.014	.020~.138																
- MM Stainless steel Medium	WNMG432 - MM	.031	.008~.014	.039~.138																
	WNMG433 - MM	.047	.008~.014	.059~.138																
	WNMG331 - MG	.016	.008~.016	.020~.118																
	WNMG332 - MG	.031	.008~.016	.039~.118																
- MG Stainless steel General	WNMG333 - MG	.047	.008~.016	.059~.118																
	WNMG431 - MG	.016	.008~.016	.020~.157																
	WNMG432 - MG	.031	.008~.016	.039~.157																
	WNMG433 - MG	.047	.008~.016	.059~.157																
	WNMG333 - MR	.047	.012~.022	.047~.157																
- MR Stainless steel Roughing	WNMG432 - MR	.031	.012~.022	.079~.217																
	WNMG433 - MR	.047	.012~.022	.079~.217																

CCGT / CCMT (80° Rhombic)

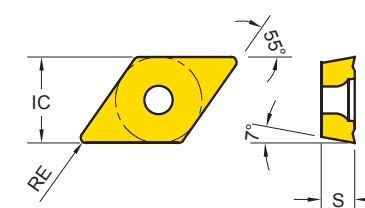


Series	IC	S
CC** 21.5	1/4	3/32
CC** 32.5	3/8	5/32
CC** 43	1/2	3/16

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

CCGT CCMT	Designation	RE	Fn (In/rev.)	Ap (In)	EDP 2200..															
					YG1010	YG1001	YG3010	YG3015	YG3115	YG3020	YG3030	YG801	YG2025	YG211	YG213	YG214	YG401	YT100	YG100	YG10
NEW - SF HRSA Finishing	CCGT21.50 - SF	.004	.001 ~ .006	.004 ~ .059														●	●	
	CCGT21.50.5 - SF	.008	.001 ~ .006	.004 ~ .059															●	●
	CCGT21.51 - SF	.016	.001 ~ .008	.004 ~ .094															●	●
	CCGT32.50 - SF	.004	.001 ~ .006	.004 ~ .098															●	●
	CCGT32.50.5 - SF	.008	.001 ~ .006	.004 ~ .098															●	●
	CCGT32.51 - SF	.016	.001 ~ .008	.004 ~ .098															●	●
CCGT32.52 - SF	.031	.001 ~ .010	.004 ~ .098															●	●	
NEW - MF Stainless steel Finishing	CCMT21.52 - MF	.031	.002 ~ .008	.003 ~ .079							●	●	●	●						
	CCMT32.50.5 - MF	.008	.002 ~ .006	.003 ~ .079							●	●	●	●						
	CCMT32.51 - MF	.016	.002 ~ .010	.004 ~ .079							●	●	●	●						
CCMT32.52 - MF	.031	.003 ~ .012	.006 ~ .079							●	●	●	●							
NEW - MM Stainless steel Medium	CCMT32.51 - MM	.016	.003 ~ .010	.010 ~ .118							●	●	●	●						
	CCMT32.52 - MM	.031	.004 ~ .012	.020 ~ .118							●	●	●	●						
NEW - PF Cermet Finishing	CCMT32.50.5 - PF	.008	.002 ~ .006	.003 ~ .079															●	
	CCMT32.51 - PF	.016	.002 ~ .010	.004 ~ .079															●	
	CCMT32.52 - PF	.031	.003 ~ .012	.006 ~ .079															●	
NEW - PM Cermet Medium	CCMT32.51 - PM	.016	.003 ~ .010	.010 ~ .118															●	
	CCMT32.52 - PM	.031	.004 ~ .012	.020 ~ .118															●	

DCGT / DCMT (55° Rhombic)

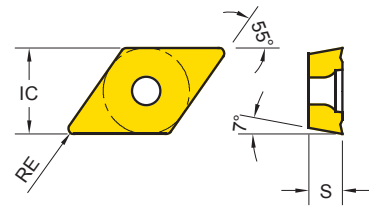


Series	IC	S
DC** 21.5	1/4	3/32
DC** 32.5	3/8	5/32

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

DCGT DCMT	Designation	RE	Fn (In/rev.)	Ap (In)	EDP 2200..															
					YG1010	YG1001	YG3010	YG3015	YG3115	YG3020	YG3030	YG801	YG2025	YG211	YG213	YG214	YG401	YT100	YG100	YG10
- AL Aluminum	DCGT21.50.5 - AL	.008	.000 ~ .008	.002 ~ .118															●	
	DCGT21.51 - AL	.016	.001 ~ .012	.004 ~ .157															●	
	DCGT32.50 - AL	.004	.000 ~ .012	.002 ~ .157															●	●
	DCGT32.50.5 - AL	.008	.001 ~ .012	.002 ~ .157															●	●
- UF Finishing	DCMT21.51 - UF	.016	.002 ~ .008	.020 ~ .079													○	○	○	
	DCMT32.51 - UF	.016	.002 ~ .010	.020 ~ .079													○	○	○	
	DCMT32.52 - UF	.031	.002 ~ .010	.039 ~ .079														○	○	
- UG General	DCMT21.51 - UG	.016	.004 ~ .010	.020 ~ .079	●	○			●	●	●	○								
	DCMT21.52 - UG	.031	.004 ~ .010	.031 ~ .079	●	○			●	●	●	○								
	DCMT32.51 - UG	.016	.006 ~ .012	.020 ~ .098	●	○	○		●	●	●	○						○	○	
	DCMT32.52 - UG	.031	.006 ~ .012	.031 ~ .098	●	○	○		●	●	●	○						○	○	
	DCMT32.53 - UG	.047	.006 ~ .014	.059 ~ .118																

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

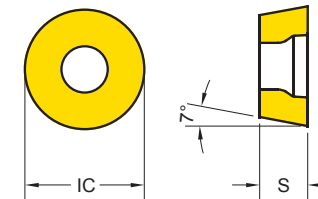


Series	IC	S
DC** 21.5	1/4	3/32
DC** 32.5	3/8	5/32

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

DCGT DCMT	Designation	RE	Fn (In/rev.)	Ap (In)	EDP 2200..																		
					YG1010	YG1001	YG3010	YG3015	YG3115	YG3020	YG3030	YG801	YG2025	YG211	YG213	YG214	YG401	YT100	YG100	YG10			
					K10	P05	P10	P15	P10	P20	P30	P20	M25	M15	M30	M40	S10	P15	M15	N20	N20		
					K20	K30										S30	K15						
<p>NEW</p> <p>- SF</p> <p>HRSA Finishing</p>	DCGT21.50 - SF	.004	.001 ~ .006	.004 ~ .059													●	●					
	DCGT21.50.5 - SF	.008	.001 ~ .006	.004 ~ .059													●	●					
	DCGT21.51 - SF	.016	.001 ~ .008	.004 ~ .059													○	●	●				
	DCGT32.50 - SF	.004	.000 ~ .002	.004 ~ .098														●	●				
	DCGT32.50.5 - SF	.008	.001 ~ .006	.004 ~ .098													○	○	●				
	DCGT32.51 - SF	.016	.001 ~ .008	.004 ~ .098													○	○	●				
DCGT32.52 - SF	.031	.001 ~ .008	.004 ~ .098														●	●					
<p>NEW</p> <p>- MF</p> <p>Stainless steel Finishing</p>	DCMT21.51 - MF	.016	.002 ~ .007	.003 ~ .059													●	●	●	●			
	DCMT32.50.5 - MF	.008	.002 ~ .006	.003 ~ .079														●	●	●	●		
	DCMT32.51 - MF	.016	.002 ~ .010	.004 ~ .079														●	●	●	●		
	DCMT32.52 - MF	.031	.003 ~ .008	.006 ~ .079														●	●	●	●		
<p>NEW</p> <p>- MM</p> <p>Stainless steel Medium</p>	DCMT21.51 - MM	.016	.003 ~ .012	.008 ~ .091													●	●	●	●			
	DCMT21.52 - MM	.031	.003 ~ .010	.020 ~ .059						○												1868	
	DCMT32.51 - MM	.016	.002 ~ .007	.010 ~ .118														●	●	●	●		
DCMT32.52 - MM	.031	.003 ~ .010	.020 ~ .118														●	●	●	●			
<p>NEW</p> <p>- PF</p> <p>Cermet Finishing</p>	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																			●
<p>NEW</p> <p>- PM</p> <p>Cermet Medium</p>	DCMT21.51 - PM	.016	.003 ~ .012	.008 ~ .091																		●	
	DCMT32.51 - PM	.016	.002 ~ .007	.010 ~ .118																			●
	DCMT32.52 - PM	.031	.003 ~ .010	.020 ~ .118																			●

Turning Inserts - Positive
RCMT (Round)

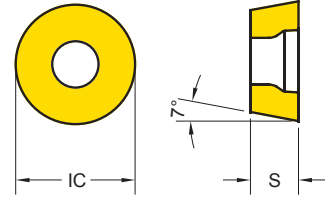


Series	INSD	S
RC** 0602	.236	3/32
RC** 0803	.315	1/8
RC** 10T3	.394	5/32
RC** 1204	.472	3/16
RC** 1606	.630	1/4
RC** 2006	.787	1/4

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

RCMT	Designation	RE	Fn (In/rev.)	Ap (In)	EDP 2200..																		
					YG1010	YG1001	YG3010	YG3015	YG3115	YG3020	YG3030	YG801	YG2025	YG211	YG213	YG214	YG401	YT100	YG100	YG10			
					K10	P05	P10	P15	P10	P20	P30	P20	M25	M15	M30	M40	S10	P15	M15	N20	N20		
					K20	K30										S30	K15						
<p>General</p>	RCMT0602M0	.118	.002 ~ .010	.008 ~ .047	●	○	○										●	●	●	○			
	RCMT0803M0	.157	.002 ~ .012	.020 ~ .059	●	○	○											●	●	●	○		
	RCMT10T3M0	.197	.004 ~ .014	.020 ~ .098	●	○	○											●	●	●	○		
	RCMT1204M0	.236	.006 ~ .018	.020 ~ .118	●	○	○											●	●	●	○		
					205703740375	205803770378	205903800381	205703740375	2624037611510023	2625037911520024	2626038211530021	2627038511700022											

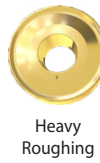
RCMX - Heavy Turning (Round)



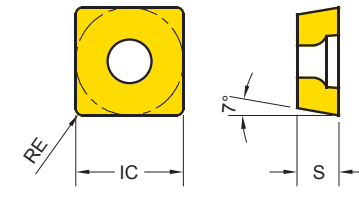
Series	INSD	S
RC** 0602	.236	3/32
RC** 0803	.315	1/8
RC** 10T3	.394	5/32
RC** 1204	.472	3/16
RC** 1606	.630	1/4
RC** 2006	.787	1/4

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

RCMX	Designation	RE	Fn (In/rev.)	Ap (In)	EDP 2200..																
					K10	P05	P10	P15	P10	P20	P30	P20	M25	M15	M30	M40	S10	P15	M15	N20	N20
					YG1010	YG1001	YG3010	YG3015	YG3115	YG3020	YG3030	YG801	YG2025	YG211	YG213	YG214	YG401	YT100	YG100	YG10	
NEW - UT	RCMX1606M0 - UT	.315	.012~.031	.039~.276	●																
	RCMX2006M0 - UT	.394	.020~.051	.059~.354					●												



SCGT / SCMT (Square)

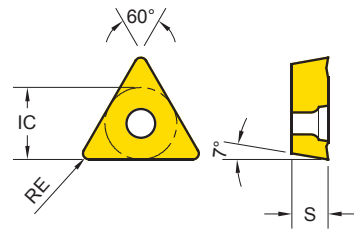


Series	IC	S
SC** 32.5	3/8	5/32
SC** 43	1/2	3/16

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

SCGT SCMT	Designation	RE	Fn (In/rev.)	Ap (In)	EDP 2200..																	
					K10	P05	P10	P15	P10	P20	P30	P20	M25	M15	M30	M40	S10	P15	M15	N20	N20	
					YG1010	YG1001	YG3010	YG3015	YG3115	YG3020	YG3030	YG801	YG2025	YG211	YG213	YG214	YG401	YT100	YG100	YG10		
- AL Aluminium	SCGT32.51 - AL	.016	.001~.016	.004~.197																	●	
	SCGT32.52 - AL	.031	.002~.016	.004~.197																		●
- UF Finishing	SCMT32.51 - UF	.016	.002~.010	.020~.079		○			●	●	●											●
	SCMT32.52 - UF	.031	.002~.010	.039~.079	●	○			●	●	●											●
- UG General	SCMT32.51 - UG	.016	.006~.012	.020~.098	●	○	○		●	●	●	○										●
	SCMT32.52 - UG	.031	.006~.012	.031~.098	●	○	○		●	●	●											●
	SCMT432 - UG	.031	.006~.014	.031~.118	●	○	○		●	●	●											●
	SCMT433 - UG	.047	.006~.014	.059~.118	●				●	●	●											●
NEW - MF Stainless steel Finishing	SCMT32.52 - MF	.031	.004~.014	.012~.079																		●
NEW - MM Stainless steel Medium	SCMT432 - MM	.031	.004~.012	.024~.157																		●
NEW - PM Cermets Medium	SCMT432 - PM	.031	.004~.012	.024~.157																		●

Turning Inserts - Positive
TCGT / TCMT (Triangle)

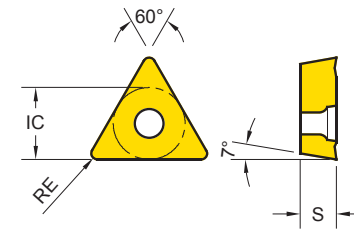


Series	IC	S
TC** 21.5	1/4	3/32
TC** 32.5	3/8	5/32

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

TCGT TCMT	Designation	RE	Fn (In/rev.)	Ap (In)	EDP 2200..															
					YG1010	YG1001	YG3010	YG3015	YG3115	YG3020	YG3030	YG801	YG2025	YG211	YG213	YG214	YG401	YT100	YG100	YG10
- AL Aluminum	TCGT21.51 - AL	.016	.001 ~ .012	.004 ~ .157														●		
	TCGT32.50.5 - AL	.008	.001 ~ .012	.002 ~ .197														●		
	TCGT32.51 - AL	.016	.001 ~ .016	.004 ~ .217														●		
	TCGT32.52 - AL	.031	.001 ~ .020	.004 ~ .217														●		
- UF Finishing	TCMT21.51 - UF	.016	.002 ~ .008	.020 ~ .079		○	○		●	●	●	○		○	○					
	TCMT32.51 - UF	.016	.002 ~ .010	.020 ~ .079		○	○	●	●	●	○		○	○						
	TCMT32.52 - UF	.031	.002 ~ .010	.031 ~ .079		○	○	●	●	●	○		○	○						
	TCMT21.51 - UG	.016	.004 ~ .010	.020 ~ .079	●	○	○	●	●	●	○									
TCMT21.52 - UG	.031	.004 ~ .010	.031 ~ .079	●	○	○	●	●	●	○										
TCMT32.51 - UG	.016	.006 ~ .012	.020 ~ .098	●	○	○	●	●	●	○										
TCMT32.52 - UG	.031	.006 ~ .012	.031 ~ .098	●	○	○	●	●	●	○		○								

Turning Inserts - Positive
TCMT (Triangle)



Series	IC	S
TC** 21.5	1/4	3/32
TC** 32.5	3/8	5/32

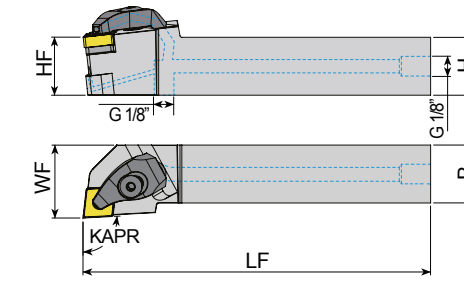
EDP 2200.. ● : Stock item ○ : Order made item

TCMT	Designation	RE	Fn (In/rev.)	Ap (In)	EDP 2200..															
					YG1010	YG1001	YG3010	YG3015	YG3115	YG3020	YG3030	YG801	YG2025	YG211	YG213	YG214	YG401	YT100	YG100	YG10
NEW - MF Stainless steel Finishing	TCMT21.51 - MF	.016	.003 ~ .008	.008 ~ .079														●		
	TCMT21.52 - MF	.031	.003 ~ .008	.012 ~ .079														●		
	TCMT32.51 - MF	.016	.002 ~ .010	.004 ~ .079														●		
	TCMT32.52 - MF	.031	.003 ~ .012	.006 ~ .079														●		
NEW - MM Stainless steel Medium	TCMT32.51 - MM	.016	.003 ~ .010	.010 ~ .118														●		
	TCMT32.52 - MM	.031	.004 ~ .012	.020 ~ .118														●		
NEW - PF Cermets Medium	TCMT32.51 - PF	.016	.002 ~ .010	.004 ~ .079														●		
	TCMT32.52 - PF	.031	.003 ~ .012	.006 ~ .079														●		
NEW - PM Cermets Medium	TCMT32.51 - PM	.016	.003 ~ .010	.010 ~ .118														●		
	TCMT32.52 - PM	.031	.004 ~ .012	.020 ~ .118														●		

Turning - Holder - External
External Holders Overview

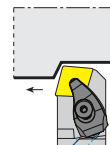
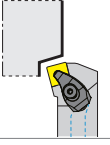
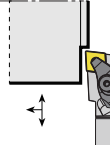
Series	Turning Holder			
 CNMA CNMG	 DCBNR/L Double Clamp	 DCKNR/L Double Clamp	 DCLNR/L Double Clamp	
p. 30	p. 69	p. 69	p. 69	
 DNMA DNMG DNGG DNMM DNUX	 DDJNR/L Double Clamp	 DDNNR Double Clamp		
p. 35	p. 70	p. 70		
 SNMA SNMG	 DSBNR/L Double Clamp	 DSDNR Double Clamp	 DSSNR/L Double Clamp	
p. 42	p. 71	p. 71	p. 71	
 TNMA TNMG TNGG TNUX	 DTJNR/L Double Clamp			
p. 47	p. 72			
 VNMA VNMG	 DVJNR/L Double Clamp	 DVVNR Double Clamp		
p. 51	p. 73	p. 73		
 WNMA WNMG WNGG	 DWLNR/L Double Clamp			
p. 53 / 56	p. 74			

Turning - Holder - External
Double Clamp with Internal coolant type for CN Insert**



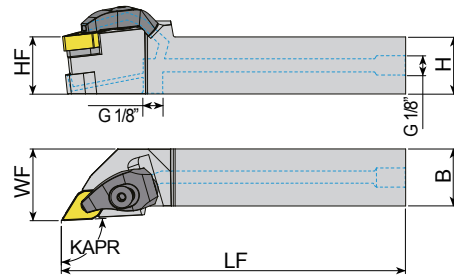
*'C' Letter at Last : Optional Clamp Included

☐ : p. 30 Unit: inch

Series	Designation	EDP 2700.. R	L	H (= HF)	B	WF	LF	Insert	
 DCBNR/L Approach angle 75°	DCBNR/L 124B - C	2337	2336	0.75	0.75	0.79	4.5	CNMG43	
	DCBNR/L 164D - C	1520	1521	1	1	0.79	6		
	DCBNR/L 204D - C	1522	1523	1.25	1.25	0.99	6		
 DCKNR/L Approach angle 75°	DCKNR/L 124B - C	2339	2338	0.75	0.75	1	4.5		
	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 75°	DCLNR/L 164D - C	1502	1503	1	1	1.25	6		CNMG54
	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	0.75	0.75	1	4.5	CNMG43		

Series	information	Shim	Shim Screw	Clamp	Clamp Screw	Spring	O - RING	Tork Wrench
DC..4	Description	YAACN - 3 - 0001	YAAV - 13 - M5x8	YATKH - 01 - R YATKH - 02 - L	YAKV - 33 - M6x22	YAKY - 01	YAXR - 01	YAAL - 03 - 3
	EDP	18000137	18000163	18000220 18000221	18000222	28000044	18000223	18000061
DC..5	Description	YAACN - 3 - 0002	YAAV - 05 - M6x10	YATKH - 07 - R YATKH - 08 - L	YAKV - 39 - M7x21	YAKY - 02	YAXR - 01	YAAL - 03 - 3
	EDP	18000138	28000046	28000051 28000052	28000056	18000164	18000223	18000061
DC..6	Description	YAACN - 3 - 0003	YAAV - 17 - M6x14	YATKH - 09 - R YATKH - 10 - L	YAKV - 39 - M7x21	YAKY - 02	YAXR - 01	YAAL - 03 - 3
	EDP	18000139	28000057	28000053 28000054	28000056	18000164	18000223	18000061

Turning - Holder - External Double Clamp with Internal coolant type for DN** Insert



* 'C' Letter at Last : Optional Clamp Included

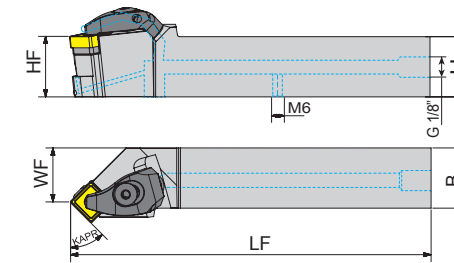
□: p.35

Unit:inch

Series	Designation	EDP 2700.. R L	H (= HF)	B	WF	LF	Insert
 DDJNR/L Approach angle 93°	DDJNR/L 124B - C	1524 1525	0.75	0.75	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	0.5	6	DNMG43
	DDNNN 204D - C	1531	1.25	1.25	0.625	6	

Series	information	Shim	Shim Screw	Clamp	Clamp Screw	Spring	O-RING	Tork Wrench
DDJ..4	Description	YAADN - 3 - 0001	YAAV - 13 - M5x8	YATKH - 01 - R YATKH - 02 - L	YAKV - 33 - M6x22	YAKY - 01	YAXR - 01	YAAL - 03 - 3
	EDP	18000142	18000163	18000220 18000221	18000222	28000044	18000223	18000061
DDN..4	Description	YAADN - 3 - 0001	YAAV - 13 - M5x8	YATKH - 01 - R	YAKV - 33 - M6x22	YAKY - 01	YAXR - 01	YAAL - 03 - 3
	EDP	18000142	18000163	18000220	18000222	28000044	18000223	18000061

Turning - Holder - External Double Clamp with Internal coolant type for SN** Insert



* 'C' Letter at Last : Optional Clamp Included

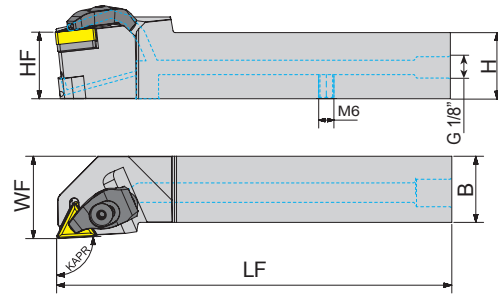
□: p.42

Unit:inch

Series	Designation	EDP 2700.. R L	H (= HF)	B	WF	LF	Insert
 DSBNR/L Approach angle 75°	DSBNR/L 164D - C	1532 1533	1	1	0.79	6	SNMG43
	DSBNR/L 165D - C	1536 1537	1	1	0.79	6	SNMG54
	DSBNR/L 204D - C	1534 1535	1.25	1.25	0.99	6	SNMG43
	DSBNR/L 205D - C	1538 1539	1.25	1.25	0.99	6	SNMG54
 DSDNN Approach angle 45°	DSDNN 164D - C	1550	1	1	0.5	6	SNMG43
	DSDNN 165D - C	1552	1	1	0.5	6	SNMG54
	DSDNN 204D - C	1551	1.25	1.25	0.625	6	SNMG43
	DSDNN 205D - C	1553	1.25	1.25	0.625	6	SNMG54
	DSDNN 245E - C	2344	1.5	1.5	0.75	7	SNMG54
 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	SNMG54

Series	information	Shim	Shim Screw	Clamp	Clamp Screw	Spring	O-RING	Tork Wrench
DSB..4 DSS..4	Description	YAASN - 3 - 0004	YAAV - 13 - M5x8	YATKH - 01 - R YATKH - 02 - L	YAKV - 33 - M6x22	YAKY - 01	YAXR - 01	YAAL - 03 - 3
	EDP	18000145	18000163	18000220 18000221	18000222	28000044	18000223	18000061
DSB..5 DSS..5	Description	YAASN - 3 - 0023	YAAV - 05 - M6x10	YATKH - 07 - R YATKH - 08 - L	YAKV - 39 - M7x21	YAKY - 02	YAXR - 01	YAAL - 03 - 3
	EDP	18000219	28000046	28000051 28000052	28000056	18000164	18000223	18000061
DSD..4	Description	YAASN - 3 - 0004	YAAV - 13 - M5x8	YATKH - 01 - R	YAKV - 33 - M6x22	YAKY - 01	YAXR - 01	YAAL - 03 - 3
	EDP	18000145	18000163	18000220	18000222	28000044	18000223	18000061
DSD..5	Description	YAASN - 3 - 0023	YAAV - 05 - M6x10	YATKH - 07 - R	YAKV - 39 - M7x21	YAKY - 02	YAXR - 01	YAAL - 03 - 3
	EDP	18000219	28000046	28000051	28000056	18000164	18000223	18000061

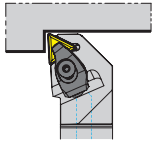
Double Clamp with Internal coolant type for TN Insert**



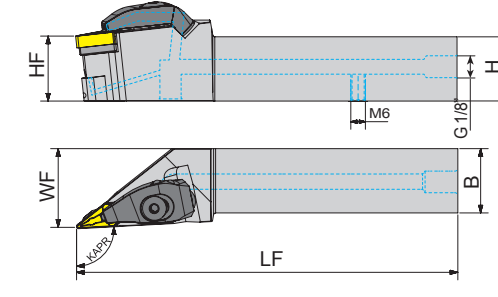
* 'C' Letter at Last : Optional Clamp Included

☐ : p. 47

Unit: inch

Series	Designation	EDP 2700.. R 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

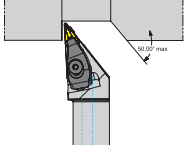
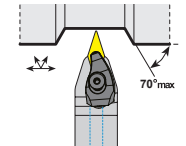
Double Clamp with Internal coolant type for VN Insert**



* 'C' Letter at Last : Optional Clamp Included

☐ : p. 51

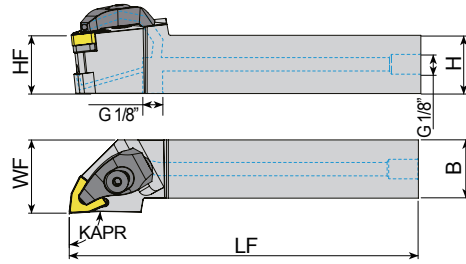
Unit: inch

Series	Designation	EDP 2700.. R L	H (= HF)	B	WF	LF	Insert
 DVJNR/L Approach angle 93°	DVJNR/L 123B - C	1563 1564	0.75	0.75	1	4	VNMG33
	DVJNR/L 163D - C	1565 1566	1	1	1.25	6	
 DVVNN Approach angle 72.5°	DVJNR/L 203D - C	1567 1568	1.25	1.25	1.25	6	
	DVVNN 123B - C	1569	0.75	0.75	0.375	4	
	DVVNN 163D - C	1570	1	1	0.5	6	

Series	information	Shim	Shim Screw	Clamp	Clamp Screw	Spring	O-RING	Tork Wrench
DT.3	Description	YAATN - 2 - 0002	YAAV - 03 - M5x12	YATKH - 03 - R YATKH - 04 - L	YAKV - 37 - M5x18	YAKY - 03	YAXR - 01	YAAL - 03 - 3
	EDP	18000147	18000157	28000047 28000048	28000055	28000045	18000223	18000061
DT.4	Description	YAATN - 3 - 0015	YAAV - 13 - M5x8	YATKH - 01 - R YATKH - 02 - L	YAKV - 33 - M6x22	YAKY - 01	YAXR - 01	YAAL - 03 - 3
	EDP	18000148	18000163	18000220 18000221	18000222	28000044	18000223	18000061

Series	information	Shim	Shim Screw	Clamp	Clamp Screw	Spring	O-RING	Tork Wrench
DVJ.3	Description	YAAVN - 2 - 0002	YAAV - 04 - M5x12	YATKH - 05 - R YATKH - 06 - L	YAKV - 33 - M6x22	YAKY - 01	YAXR - 01	YAAL - 03 - 3
	EDP	18000150	18000158	28000049 28000050	18000222	28000044	18000223	18000061
DVG.3	Description	YAAVN - 2 - 0002	YAAV - 04 - M5x12	YATKH - 05 - R YATKH - 06 - L	YAKV - 33 - M6x22	YAKY - 01	YAXR - 01	YAAL - 03 - 3
	EDP	18000150	18000158	28000049 28000050	18000222	28000044	18000223	18000061

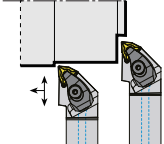
Double Clamp with Internal coolant type for WN** Insert



* 'C' Letter at Last : Optional Clamp Included

☐ : p. 53 / 56

Unit: inch

Series	Designation	EDP 2700.. R	L	H (= HF)	B	WF	LF	Insert
 <p>DWLNR/L Approach angle 95°</p>	DWLNR/L 123B - C	1571	1572	0.75	0.75	1	4.5	WNMG33
	DWLNR/L 124B - C	1575	1576	0.75	0.75	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	Shim	Shim Screw	Clamp	Clamp Screw	Spring	O-RING	Tork Wrench
DW..3	Description	YAAWN - SW317	YAAV - 01 - M3x10	YATKH - 03 - R YATKH - 04 - L	YAKV - 37 - M5x18	YAKY - 03	YAXR - 01	YAAL - 03 - 3
	EDP	18000152	18000155	28000047 28000048	28000055	28000045	18000223	18000061
DW..4	Description	YAAWN - 3 - 0001	YAAV - 13 - M5x8	YATKH - 01 - R YATKH - 02 - L	YAKV - 33 - M6x22	YAKY - 01	YAXR - 01	YAAL - 03 - 3
	EDP	18000151	18000163	18000220 18000221	18000222	28000044	18000223	18000061