

Turning Indexable Inserts

80° Rhombic / Negative with Hole

(mm)

(mm)

Description	A	T	ød
CN_0903_	9.525	3.18	3.81
CN_0904_	9.525	4.76	3.81

Description	A	T	ød
CN_1204_	12.70	4.76	5.16
CN_1606_	15.875	6.35	6.35
CN_1906_	19.05	6.35	7.94

B



Negative

C

D

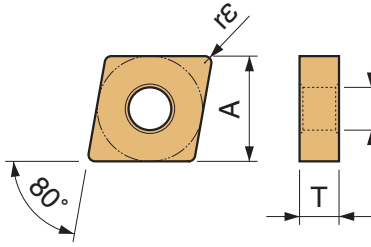
R

S

T

W

Insert (Turning)



Material	P	M	K	N	S	H
Free-cutting steel						
Carbon Steel / Alloy Steel						
Stainless Steel						
Gray Cast Iron						
Nodular Cast Iron						
Non-ferrous Metals						
Heat-resistant alloy						
Titanium Alloy						
Hard Materials						

Classification of usage
 ✦: Interruption / 1st Choice
 ✧: Interruption / 2nd Choice
 ●: Light Interruption / 1st Choice
 ○: Light Interruption / 2nd Choice
 ●: Continuous / 1st Choice
 ○: Continuous / 2nd Choice
 (In case hardness is under 45HRC)

Insert	Description	Dim. (mm)	Material										Ref. Page for Toolholder	Applicable Chipbreaker Range (ap indicates radius)															
			Cermet	MEGACOAT Cermet	CVD Coated Carbide				PVD Coated Carbide		MEGACOAT	Carbide																	
rε			TN6010	TN6020	TN60	PV7005	PV7010	PV7025	CA5505	CA5515	CA5525	CA5535	CA6515	CA6525	CA4505	CA4515	PR930	PR1005	PR1025	PR1125	PR1225	PR1305	PR1310	PR1325	KW10	SW05			
Cast Iron	CNUMG 120408GC 120412GC Roughing	0.8																										D8 F64 F68	See B17
		1.2																											
Cast Iron	CNGA 120404 120408 CNMA 120404 120408 120412 120416 120416 CNMA 160612 Without Chipbreaker	0.4				●																						D8	-
		0.8				●																							
		0.4																											
		0.8																											
Non-ferrous Metals	CNGG 120404 ^{R/L} -A3 120408 ^{R/L} -A3 Finishing-Medium / Sharp Edge	0.4																									D8 F64 F68		
		0.8																											
Non-ferrous Metals	CNGG 120404AH 120408AH Medium-Roughing / Sharp Edge	0.4																									D8 F64 F68		
0.8																													
Non-ferrous Metals	CNUMG 120404AH 120408AH Medium-Roughing / With Honing	0.4																									D8 F64 F68		
0.8																													
Finishing	CNGG 090402 ^{R/L} -S 090404 ^{R/L} -S 090408 ^{R/L} -S Surface Roughness Oriented	0.2				●																					D8 F68		
		0.4				●																							
		0.8				□																							
Medium	CNGG 090404 ^{R/L} 090408 ^{R/L}	0.4				□																					D8 F64 F68		
		0.8				□																							
Medium-Roughing	CNGG 120404 ^{R/L} -25R 120408 ^{R/L} -25R Low cutting force	0.4				●																					D8 F64 F68		
		0.8				●																							
Medium-Roughing	CNGG 120404Z 120408Z	0.4				●																					E18 D8 F64 F68	See B44	
		0.8				□																							
Medium-Roughing	CNGG 120404FP-TK 120408FP-TK Sharp Edge / Polished	0.4																				●					E18 D8 F64 F68	See B44	
0.8																					●								

(TN30 PV30 PV60 PV90 PV7020) Reference Page B19
 (CA4010 CA4115 CA4120 PR915 PR905)

B18 ● : Std. Item R : Std. Item (R-hand Only) L : Std. Item (L-hand Only) □ : Check Availability

Inserts are sold in 10 piece boxes.