

# 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

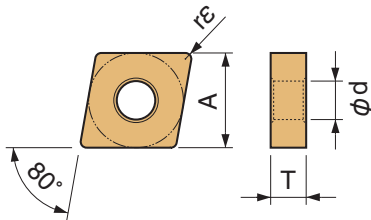
R

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																		
γε	γε	γε	TN6010	TN6020	TN60	PV7005	PV7010	CA5505	CA5515	CA5525	CA5535	CA6515	CA6525	CA4505	CA4515	PR930	PR1005	PR1025	PR1125	PR1225	PR1305	PR1310	PR1325	KW10	SW05					
Roughing	CNMG 120404 120408 120412 120416	0.4	●	●	●	●	●	●	●	●	●	●	●	●	●	●												D8 F64 F68		
		0.8	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●													
		1.2	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●													
	CNMG 160608 160612 160616	0.8							●	●	●	●	●	●	●	●												D8		
		1.2							●	●	●	●	●	●	●	●														
		1.6							●	●	●	●	●	●	●	●														
	CNMG 190608 190612 190616 190624	0.8							●	●	●	●	●	●	●	●												D8		
		1.2							●	●	●	●	●	●	●	●														
		1.6							●	●	●	●	●	●	●	●														
Roughing	CNMG 120408PH 120412PH 120416PH	0.8						●	●	●	●	●	●	●	●												D8 F64 F68			
		1.2						●	●	●	●	●	●	●	●															
		1.6							●	●	●	●	●	●	●	●														
Roughing	CNMG 160608PH 160612PH 160616PH	0.8						●	●	●	●	●	●	●	●												D8			
		1.2						●	●	●	●	●	●	●	●															
		1.6						●	●	●	●	●	●	●	●															
Single Sided / Roughing / High Feed	CNMM 120408PX 120412PX 120416PX	0.8						●	●	●	●	●	●	●	●												D8 F64 F68			
		1.2						●	●	●	●	●	●	●	●															
		1.6						●	●	●	●	●	●	●	●															
Low Carbon Steel	CNMG 120404XP 120408XP	0.4	●	●	●	●	●	●	●	●	●	●	●	●	●	●												D8 F64 F68		
		0.8	●	●	●	●	●	●	●	●	●	●	●	●	●	●														
		Finishing																												
Low Carbon Steel	CNMG 120404XP-T 120408XP-T	0.4		●																							D8 F64 F68			
		0.8		●																										
Low Carbon Steel	CNMG 120404XQ 120408XQ	0.4	●	●	●	●	●	●	●	●	●	●	●	●	●	●											D8 F64 F68			
		0.8	●	●	●	●	●	●	●	●	●	●	●	●	●	●														
Low Carbon Steel	CNMG 120408XS	0.8	●	●		●	●	●	●	●	●	●	●	●	●															

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

B16 ● : Std. Item R : Std. Item (R-hand Only) L : Std. Item (L-hand Only) □ : Check Availability

Inserts are sold in 10 piece boxes.