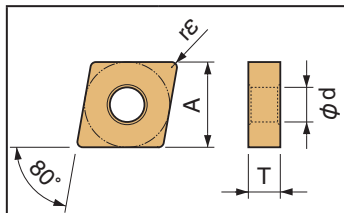


80° Rhombic / Negative with Hole



Description	A	T	ød
CN_0904_	9.525	4.76	3.81
CN_1204_	12.70	4.76	5.16
CN_1606_	15.875	6.35	6.35
CN_1906_	19.05	6.35	7.94

Insert	Description	Dim. (mm)	Material							Ref. Page for Toolholder			
			Cermet	PVD Coated Cermet			CVD Coated Carbide		PVD Coated Carbide				
Handed Insert shows R-hand		rε	TN30	PV30	PV60	PV90	PV7020	CA4010	CA4115	CA4120	PR915	PR905	
	CNMG 120404WP 120408WP	0.4					●						D8 F64 F68
		0.8					●						
	CNMG 120404WQ 120408WQ 120412WQ	0.4					●	●					D8 F64 F68
		0.8					●	●	□				
		1.2					●	●	□				
	CNMG 090404GP 090408GP CNMG 120402GP 120404GP 120408GP	0.4					●						D8 F68
		0.8					●						
		0.2					●	●					
	CNMG 120402GP 120404GP 120408GP	0.4	□				●	●					D8 F64 F68
		0.8					●	●					
		0.8					●	●					
	CNMG 090404HQ 090408HQ	0.4					●						D8 F68
		0.8					●						
		0.4	□	□			●	●					
	CNMG 120404HQ 120408HQ 120412HQ	0.4	□	□			●	●					D8 F64 F68
		0.8	□	□			●	●					
		1.2	□	□			●	●					
	CNMG 120404CQ 120408CQ 120412CQ	0.4					●	●					D8 F64 F68
		0.8					●	●					
		1.2					●	●					
	CNMP 120404TK 120408TK	0.4					●						D8 F64 F68
		1.2					●						
	CNMG 120404CS 120408CS 120412CS	0.4					●						D8 F68
		0.8					●						
		1.2					□						
	CNMG 090404GS 090408GS	0.4					●						D8 F68
		0.8					●						
		1.2					□	●	●				
	CNMG 120404GS 120408GS 120412GS	0.4					●	●					D8 F64 F68
		0.8					●	●					
		1.2					□	●	●				
	CNMG 120404HS 120408HS 120412HS	0.4	□				●	●					D8
		0.8	□	□			●	●					
		1.2		□	□		●	●					
	CNMG 160612HS 160616HS	1.2							□	□			D8
		1.6								□	□		
	CNMG 120408GT 120412GT	0.8					●	●					D8 F64 F68
		1.2					●	●					
	CNMG 120408HT 120412HT	0.8					●						D8 F68
		1.2					□						

Insert	Description	Dim. (mm)	Material							Ref. Page for Toolholder				
			Cermet	PVD Coated Cermet			CVD Coated Carbide		PVD Coated Carbide					
Handed Insert shows R-hand		rε	TN30	PV30	PV60	PV90	PV7020	CA4010	CA4115	CA4120	PR915	PR905		
	CNMG 120404 120408 120412 120416	0.4	□	□	●	●							D8 F64 F68	
		0.8	□	□	●	●								
		1.2	□	□	●	●								
		1.6	□	□	●	□								
	CNMG 160612 160616	1.2											D8	
		1.6												
	CNMG 190608 190612 190616	0.8											D8	
		1.2												
		1.6												
	CNMG 120404XP 120408XP	0.4			●	□	●	●					D8	
		0.8			□	●	●							
	CNMG 120404XP-T 120408XP-T	0.4					●	●					D8 F64 F68	
		0.8					●	●						
	CNMG 120404XQ 120408XQ	0.4					●	●	●				D8 F64 F68	
		0.8					●	●	●					
	CNMG 120404XS	0.4					●	●	●				D8	
		0.8					●	●	●					
	CNMG 120404C 120408C 120412C 120416C	0.4								□	□		D8	
		0.8								□	□			
		1.2									□	□		
		1.6									□	□		
	CNMG 160612C	1.2								□	□		D8	
		1.6									□	□		
	CNMG 120408ZS 120412ZS	0.8								□	□		D8 F64 F68	
		1.2								□	□			
	CNMG 120408GC 120412GC	0.8								□	□		D8 F64 F68	
		1.2								□	□			
	CNMA 120404 120408 120412 120416	0.4	□	□									D8	
		0.8	□	□										
		1.2												
		1.6												
		1.2												
	CNGG 090402 <sup>R</sup> L-S 090404 <sup>R</sup> L-S 090408 <sup>R</sup> L-S	0.2											D8 F68	
		0.4						R	R					
		0.8						□						
	CNGG 090404 <sup>R</sup> L 090408 <sup>R</sup> L	0.4											D8 F68	
		0.8						□						

For other grade, Reference Page [B14~B18](#)

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

Inserts are sold in 10 piece boxes.

**B**

**Insert (Turning)**