

# Nano-Polycrystalline Diamond Tools

## SUMIDIA Binderless

Indexable Inserts



Application Hard brittle material

Negative		Dimensions (mm)					NPD10	Applicable Holders
Appearance	Cat. No.	Inscribed circle(C)	Thickness(s)	Hole size	Nose radius(RE)	Cutting edge length		
55° Diamond Type		DNMA 150408RH 150412RH	12.70	4.76	5.16	0.8	1.8	● External Holders C10, C11 ● Boring Bars E53
						1.2	1.8	
Square Type		SNMA 120408RH 120412RH	12.70	4.76	5.16	0.8	1.7	● External Holders C16 to C21 ● Boring Bars E53, E54
						1.2	1.7	
35° Diamond Type		VNMA 160408RH 160412RH	9.525	4.76	3.81	0.8	1.8	● External Holders C31
					1.2	1.5		

Application Hard brittle material

Positive		Dimensions (mm)					NPD10	Applicable Holders					
Relief angle	Appearance	Cat. No.	Inscribed circle(C)	Thickness(s)	Hole size	Nose radius(RE)			Cutting edge length				
80° Diamond Type		CCMW 03X102RH	3.50	1.40	1.9	0.2	1.3	● Boring Bars E12, E13					
		CCMW 03X104RH				0.4	1.3						
		CCMW 04X102RH				0.2	1.7						
	7°		CCMW 04X104RH	4.30	1.80	2.3	0.4	1.7	● External Holders C9, C13 ● Boring Bars E12 to E14				
			CCMW 060202RH	6.35	2.38	2.8	0.2	1.7					
			CCMW 09T302RH				0.2	1.7					
55° Diamond Type		CCMW 09T304RH	9.525	3.97	4.4	0.4	1.7	● Boring Bars E12 to E14					
		CCMW 09T308RH				0.8	1.6						
		DCMW 070202RH				6.35	2.38		2.8	0.2	2.1		
	DCMW 070204RH	0.4	2.0										
	7°		DCMW 11T302RH	9.525	3.97	4.4	0.2	2.1	● External Holders C14, D14 ● Boring Bars E27 to E30				
			DCMW 11T304RH				0.4	1.9					
DCMW 11T308RH			0.8				1.6						
Triangular Type		TPMW 080202RH	4.76	2.38	2.3	0.2	1.2	● Boring Bars E58 to E60					
		TPMW 080204RH				0.4	1.0						
		TPMW 110302RH				6.35	3.18		3.4	0.2	1.5		
	TPMW 110304RH	0.4	1.3										
	35° Diamond Type		TPMW 110308RH	9.525	4.76	4.4	0.8	1.0	● Boring Bars E58 to E60				
			TPMW 160402RH				0.2	2.2					
TPMW 160404RH			0.4							2.0			
7°			VCMW 160408RH	9.525	4.76	4.4	0.8	1.6	● Boring Bars E40, E42, E44 ● External Holders C32, C33, D15, D18, D31 ● Boring Bars E40, E42, E44				
			VCMW 080201RH				4.76	2.38		2.3	0.1	2.2	
			VCMW 080202RH								0.2	1.9	
	VCMW 080204RH		0.4								1.5		
	7°						VCMW 110302RH	6.35		3.18	2.8	0.2	2.1
							VCMW 110304RH					0.4	1.7
VCMW 160402RH		0.2		2.1									
VCMW 160404RH	0.4		1.7										
		VCMW 160408RH	9.525	4.76	4.4	0.8	1.8						
		VCMW 160412RH				1.2	1.5						

Note: The cutting edge tip R is a cylindrical shape.

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