

# SUMIDIA Inserts



## Negative Positive Type



## 7° Positive



(Legend) General cut ● : 1st Recommendation

Appearance	Shape	Cat. No.	SUMIDIA				Page for Applicable Holders	
			Material					
			N Non-ferrous metal					
Dimensions (mm)		Nose radius (RE)	Cutting Edge (LE)	DA90	DA150	DA1000	DA2200	
NF Inserts								NF-VNMX 160402 160404 160408 160412
One Use Inserts		NU-VNMX 160402 160404 160408 160412	0.2 0.4 0.8 1.2	3.6 3.1 2.3 2.3	— — — —	— — — —	▲ ▲ ▲ ▲	
		VNMX 160402 160404 160408 160412	0.2 0.4 0.8 1.2	6.9 6.4 5.6 4.7	● ● ● ●	● ● ● ●	▲ ▲ ▲ ▲	
NF Inserts		NF-VCMT 110301 110302 110304	0.1 0.2 0.4	3.5 3.4 3.0	— — —	● ● ●	▲ ▲ ▲	External Holders <b>C32-</b> <b>D15</b> <b>D18</b> <b>D31</b> Boring Bars <b>E40</b> <b>E42</b> <b>E44</b>
Break Master		NF-VCMT 110302N-LD 110304N-LD	0.2 0.4	3.8 3.4	— —	● ●	— —	
Break Master		NF-VCMT 110302N-GD 110304N-GD	0.2 0.4	3.8 3.4	— —	● ●	— —	
NF Inserts		NF-VCMT 160404 160408 160412	0.4 0.8 1.2	6.5 5.6 4.6	— — —	● ● ●	▲ ▲ ▲	External Holders <b>C32</b> <b>C33</b> Boring Bars <b>E40</b> <b>E42</b> <b>E44</b>
Break Master		NF-VCMT 160404N-LD 160408N-LD 160412N-LD	0.4 0.8 1.2	6.5 5.6 4.8	— — —	● ● ●	— — —	
Break Master		NF-VCMT 160404N-GD 160408N-GD 160412N-GD	0.4 0.8 1.2	6.5 5.6 4.8	— — —	● ● ●	— — —	
		VCMT 160408 160412 160412-WF	0.8 1.2 1.2	5.8 4.9 4.9	— — —	● ● ●	▲ ▲ ▲	
		VCMT 220520 220530	2.0 3.0	5.0 5.0	— —	● ●	▲ ▲	External Holders <b>C36</b>

WF: Cutting edge with special land for gloss finishing of aluminum wheels