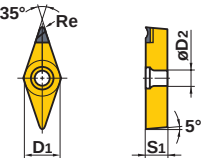


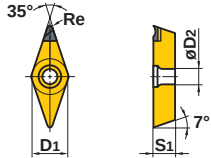


35° VB TYPE INSERTS WITH HOLE

Work Material	N	Non-ferrous Metal	●	Cutting Conditions (Guide) :				PCD	Dimensions (mm)				Geometry	Applicable Holder Page
			● : Stable Cutting ● : General Cutting ✖ : Unstable Cutting											
Shape	Order Number		MD220	D1	S1	Re	D2							
 (With Breaker)	NP-VBGT1103V5R-F		★	6.35	3.18	0.05	2.85					D010 D011 E012 E013		
	110301R-F		★	6.35	3.18	0.1	2.85							
	110302R-F		★	6.35	3.18	0.2	2.85							
	110304R-F		★	6.35	3.18	0.4	2.85							

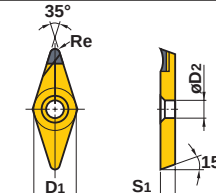


35° VC TYPE INSERTS WITH HOLE

Work Material	N	Non-ferrous Metal	●	Cutting Conditions (Guide) :				PCD	Dimensions (mm)				Geometry	Applicable Holder Page
			●	●	●	✖								
Shape	Order Number		MD220	D1	S1	Re	D2							
	NP-VCGT0802V5R-F		★	4.76	2.38	0.05	2.4					C030 E012 E013 E033		
	080201R-F		★	4.76	2.38	0.1	2.4							
	080202R-F		★	4.76	2.38	0.2	2.4							
	080204R-F		★	4.76	2.38	0.4	2.4							
	1103V5R-F		★	6.35	3.18	0.05	2.8							
	110301R-F		★	6.35	3.18	0.1	2.8							
	110302R-F		★	6.35	3.18	0.2	2.8							
	110304R-F		★	6.35	3.18	0.4	2.8							
(With Breaker)														



35° VD TYPE INSERTS WITH HOLE

Work Material	N	Non-ferrous Metal	●	Cutting Conditions (Guide) :				PCD	Dimensions (mm)				Geometry	Applicable Holder Page
			●	●	●	✖	D1		S1	Re	D2			
Shape	Order Number		MD220											
 (With Breaker)	VDGX160302R-F		●		9.525	3.18	0.2	4.5	 Right hand insert shown.	C035				
	160302L-F		●		9.525	3.18	0.2	4.5						
	160304R-F		●		9.525	3.18	0.4	4.5						
	160304L-F		●		9.525	3.18	0.4	4.5						