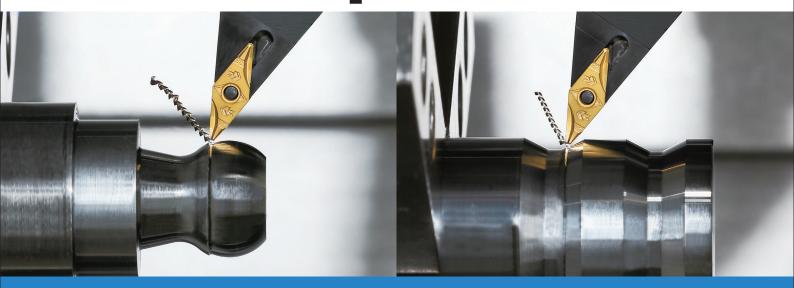


For Copying | VC Chipbreaker

For Copying

VC Chipbreaker



High Productivity for Machining Various Shapes / Contours

Excellent Chip Control in a Wide Range of Machining Applications
Strong Edge Design



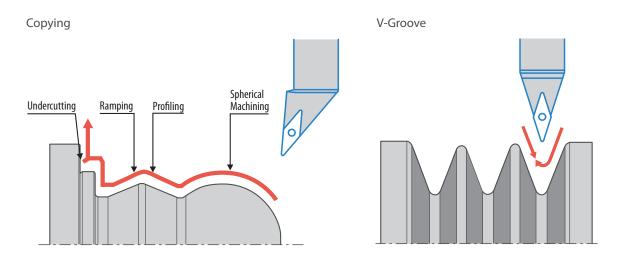
VC Chipbreaker

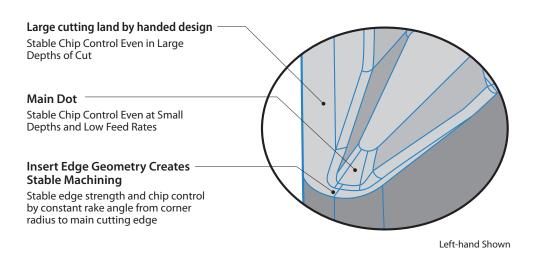
High Productivity for Machining Various Shapes / Contours

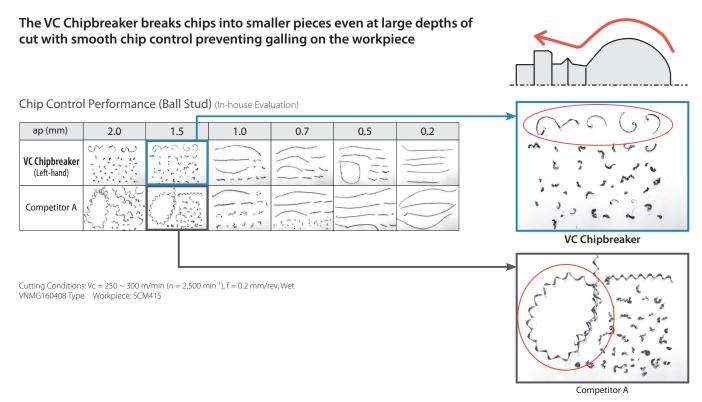


Excellent Chip Control in a Wide Range of Machining Applications

High Stability for Copying in Difficult Chip Control Situations and V-grooving

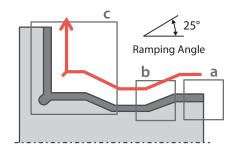






VC Chipbreaker provides smooth chip control for general turning (a), ramping (b) and profiling (c)

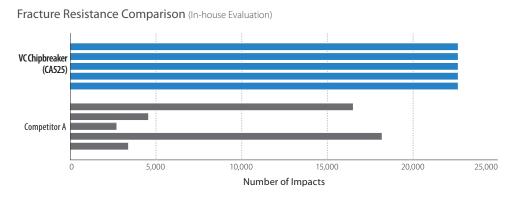
Chip Control Performance (Copying / Undercutting) (In-house Evaluation)

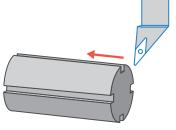


	Straight Line (a)	Ramping (b)	Profiling (c)
VC Chipbreaker (Left-hand)	20.000 mm		300 / S
Competitor A	And the state of t	Evering .	

 $Cutting\ Conditions: Vc = 200 \sim 300\ m/min\ (n = 2,500min^{-1}), ap = 1.0\ mm, f = 0.2\ mm/rev, Wet\ VNMG160408\ Type \ Workpiece: SCM415$

2 Strong Edge Design





Cutting Conditions: Vc=200 m/min, ap=0.5 mm f=0.25 mm/rev, Interrupted, Wet VNMG160408 Type Workpiece SCM440 (Workpiece with 4 grooves (5mm Width Each))

Stock Items

Shape Description	Description	Dimensions (mm)			Cermet		MEGACOAT NANO Cermet		CVD Coated Carbide				
Right-hand Shown		I.C.	Thickness	Hole	Corner-R (rε)	TN610	TN620	PV710	PV720	CA510	CA515	CA525	CA530
	VNMG160404 ^R / _L -VC				0.4	•	•	•	•	•	•	•	•
	VNMG160408 ^R / _L -VC	9.525	4.76	3.81	0.8	•	•	•	•	•	•	•	•
Finishing-Medium	VNMG160412 ^R / _L -VC				1.2	•	•	•	•	•	•	•	•

: Standard Stock

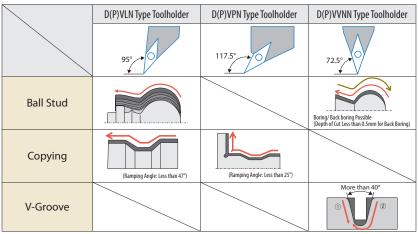
Cutting Conditions

Workpiece	Insert Grade	Min Recommendation - Max.					
		Cutting Speed Vc (m/min)	ap (mm)	Feed Rate f (mm)			
Carbon Steel / Alloy Steel	TN610	130 – 230 – 340					
	TN620	100 – 200 – 300					
	PV710	140 – 280 – 380					
	PV720	130 – 250 – 340	0.3 – 1.0 – 2.0	0.08 - 0.18 - 0.25			
	CA510	180 – 260 – 340	0.5 - 1.0 - 2.0	0.08 - 0.18 - 0.25			
	CA515	150 – 240 – 320					
	CA525	140 – 220 – 300					
	CA530	120 – 180 – 250					

Applicable Chipbreaker Range



Application and Selection of Recommended Holders



Left handed insert for normal mounting