

# DNMG.RM 433 Z9



## APPLICATION

- Suitable for medium to heavy machining of steels and stainless-steels
- Continuous and interrupted cut



## GRADE Z9

This grade is a MT-CVD coated functionally graded WC-Co carbide within ISO ranges P15-P35 and M10-M30, for medium to heavy machining of steels and stainless-steels

	STEEL	STAINLESS	CAST IRON	NON FERROUS	S.ALLOYS	HEAT TREATED
GROUP	P15 - P35	M10 - M30	K15 - K35		S15 - S35	
Sfm ft/min	459 - 755	262 - 443	427 - 705		82 - 197	
Fn Inch/rev	.010 - .024	.011 - .021	.010 - .024		.011 - .017	
ap Inch	.059 - .177	.059 - .177	.059 - .177		.059 - .142	

### LEGEND

Sfm (Vc)	Surface Feet per Minute
Fn (ipr)	Feed per revolution
Fz (ipt)	Feed per tooth
ap	Depth of cut

### FORMULA

$S \text{ (RPM)} = \text{Sfm} * 12 / \pi / D = \text{rev per minute}$
$F \text{ (IPR, inch per revolution)} = S * \text{Fn} = \text{feed per minute}$
$F \text{ (IPM, inch per minute)} = S * Fz * n.\text{flutes} = \text{feed per minute}$
$\text{Sfm} = S * D * \pi / 12$

**TURNING CARBIDE INSERT**