

SNMG.RM 643 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	525 - 919	312 - 541	492 - 869		82 - 246	
Fn Inch/rev	.010 - .026	.011 - .023	.010 - .026		.011 - .018	
ap Inch	.059 - .394	.059 - .394	.059 - .394		.059 - .315	

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