



CNMG.FM 432 Z9

APPLICATION

- Suitable for fine to medium 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 fine to medium machining of steels and stainless-steels

	STEEL	STAINLESS	CAST IRON	NON FERROUS	S.ALLOYS	HEAT TREATED
GROUP	P25	M25	K20		S20	
Sfm ft/min	607 - 1099	361 - 656	574 - 1033		98 - 295	
Fn Inch/rev	.006 - .018	.006 - .016	.006-.018		.006 - .014	
ap Inch	.031 - .118	.031 - .118	.031 - .118		.031 - .094	

LEGEND

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

FORMULA

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

TURNING CARBIDE INSERT