



VNMG.FM 332 Z15

APPLICATION

- Suitable for fine to medium machining of steels
- Continuous cutting conditions



GRADE Z15

This is a MT-CVD coated functionally graded WC-Co carbide within ISO range P05 - P30, for fine to medium machining of steels

	STEEL	STAINLESS	CAST IRON	NON FERROUS	S.ALLOYS	HEAT TREATED
GROUP	P05-P30		K20			
Sfm ft/min	623 - 951		591 - 902			
Fn Inch/Z	0.0059 - 0.0138		0.0059 - 0.0138			
ap Inch	0.031 - 0.118		0.031 - 0.118			

LEGEND

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

FORMULA

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

TURNING CARBIDE INSERT