



VNMG.FM 331 Z11

APPLICATION

- Suitable for fine to heavy machining of cast-irons
- Continuous and interrupted cut



GRADE Z11

This grade is a MT-CVD coated WC-Co carbide within ISO range K10-K25, for fine to heavy machining of cast-irons

	STEEL	STAINLESS	CAST IRON	NON FERROUS	S.ALLOYS	HEAT TREATED
GROUP	P10 - P25		K10 - K25			H10 - H25
Sfm ft/min	541 - 722		509 - 673			98 - 131
Fn Inch/rev	.005 - .008		.005 - .008			.004 - .006
ap Inch	.031 - .118		.031 - .118			.008 - .02

LEGEND

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

FORMULA

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

TURNING CARBIDE INSERT