

TCMT.UR 32.51 Z9



APPLICATION

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



GRADE Z9

This grade is a MT-CVD coated functionally graded WC-Co carbide within ISO range P15 - P35, for fine to heavy machining of steels

	STEEL	STAINLESS	CAST IRON	NON FERROUS	S.ALLOYS	HEAT TREATED
GROUP	P15 - P35	M15 - M35	K15 - K35			
Sfm ft/min	476 - 623	279 - 361	443 - 591			
Fn Inch/rev	.006 - .008	.006 - .007	.006 - .008			
ap Inch	.016 - .118	.016 - .118	.016 - .118			

LEGEND

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

FORMULA

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

TURNING CARBIDE INSERT