



TCMT.UR 32.52 Z5P

APPLICATION

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



GRADE Z5P

This grade is a PVD coated fine grained WC-Co carbide within ISO range P25-P40, for fine to heavy machining of steels

	STEEL	STAINLESS	CAST IRON	NON FERROUS	S.ALLOYS	HEAT TREATED
GROUP	P25 - P40	M20 - M35	K15 - K35			
Sfm ft/min	394 - 755	213 - 410	312 - 607			
Fn Inch/rev	.003 - .012	.004 - .011	.003 - .012			
ap Inch	.031 - .118	.031 - .118	.031 - .118			

LEGEND

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

FORMULA

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

TURNING CARBIDE INSERT