

# DCMT.UR 32.51 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	M25-M40	K25 - K40			
Sfm ft/min	377 - 640	197 - 344	295 - 525			
Fn Inch/rev	.003 - .008	.004 - .007	.003 - .008			
ap Inch	.016 - .079	.016 - .079	.016 - .079			

### 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**