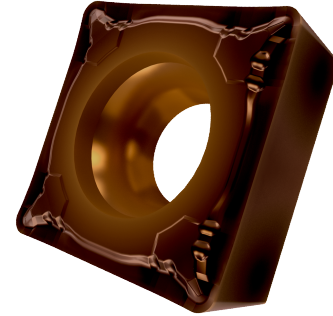


# SCMT.UR 32.51 Z5P



## 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	459 - 804	246 - 443	377 - 656			
Fn Inch/rev	.003 - .009	.004 - .008	.003 - .009			
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

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

**TURNING CARBIDE INSERT**