

CCMT.UR 431 Z12



APPLICATION

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



GRADE Z12

It is a MT-CVD coated functionally graded WC-Co carbide within ISO range P05-P25, for fine to heavy machining of steels

	STEEL	STAINLESS	CAST IRON	NON FERROUS	S.ALLOYS	HEAT TREATED
GROUP	P05 - P25		K05 - K25			
Sfm ft/min	558 - 804		525 - 755			
Fn Inch/rev	.006 - .010		.006 - .010			
ap Inch	.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