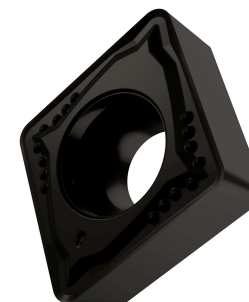


CCMT.FM 431 Z9



APPLICATION

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



GRADE Z9

It is a MT-CVD coated functionally graded WC-Co carbide within ISO ranges P15-P35 and M10-M30, for fine to medium machining of steels and stainless-steels

	STEEL	STAINLESS	CAST IRON	NON FERROUS	S.ALLOYS	HEAT TREATED
GROUP	P15 - P35	M10 - M30	K15 - K35			
Sfm ft/min	558 - 820	328 - 492	525 - 771			
Fn Inch/rev	.006 - .010	.0059 - .010	.006 - .010			
ap Inch	.016 - .157	.016 - .157	.016 - .157			

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