

TNMG.78 331R Z9



APPLICATION

- Suitable for medium to heavy machining of steels and stainless-steels with a right handed turning tool
- Continuous and interrupted cut



GRADE Z9

This grade is a MT-CVD coated functionally graded WC-Co carbide within ISO ranges P15-P35 and M10-M30, for medium to heavy machining of steels and stainless-steels with a right handed turning tool

	STEEL	STAINLESS	CAST IRON	NON FERROUS	S.ALLOYS	HEAT TREATED
GROUP	P15 - P35	M10 - M30			S15 - S35	
Sfm ft/min	673 - 820	394 - 492			115 - 213	
Fn Inch/rev	.007 - .008	.007 - .007			.007 - .007	
ap Inch	.031 - .197	.031 - .197			.031 - .157	

LEGEND

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

FORMULA

S (RPM) = Sfm * 12 / π / D = rev per minute
F (IPR, inch per revolution) = S * Fn = feed per minute
F (IPM, inch per minute) = S * Fz * n.flutes = feed per minute
Sfm = S * D * π / 12

TURNING CARBIDE INSERT