



APPLICATION

- Suitable for fine to heavy machining of steels

- Continuos cutting conditions

GRADE Z12

This grade 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	P15		K10			H10
Sfm ft/min	476 - 1033		443 - 968			82 - 197
Fn Inch/rev	.006030		.006030			.004015
ap Inch	.047315		.047315			.024059

LEGEND				
Sfm (Vc)	Surface Feet per Minute			
Fn (ipr)	Feed per revolution			
Sfm (Vc) Fn (ipr) Fz (ipt)	Feed per tooth			
ар	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