

TCMT 431 Z14

APPLICATION

- Generic grade for steel
- Suitable for fine and medium machining of steels, stainless steel and castirons



GRADE Z14

This is a TIN PVD coated carbide insert for fine to medium machining of steels, stainless steel and cast-irons

	STEEL	STAINLESS	CAST IRON	NON FERROUS	S.ALLOYS	HEAT TREATED
GROUP	P30	M30	K30			
Sfm ft/min	344 - 509	197 - 295	312 - 476			
Fn Inch/Z	0.0031 - 0.0079	0.0035 - 0.0071	0.0031 - 0.0079			
ap Inch	0.016 - 0.118	0.016 - 0.118	0.016 - 0.118			

LEGEND

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