



Z16ER 12UN Z6P

APPLICATION

- Suitable for threading operations
- Single-sided lay down carbide insert Tin Coated



GRADE Z6P

This is a PVD coated fine grained WC-Co carbide within ISO-grade ranges P25-P40/M20-M35 and K20-K40 for machining of steel, stainless-steel and cast-iron

	STEEL	STAINLESS	CAST IRON	NON FERROUS	S.ALLOYS	HEAT TREATED
GROUP	P30	M30	K30	N30	S30	
Sfm ft/min	443 - 525	262 - 312	410 - 492	656 - 1837	82 - 148	
Fn Inch/Z						
ap Inch						

LEGEND

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

FORMULA

$S \text{ (RPM)} = \text{Sfm} * 12 / \pi / D = \text{rev per minute}$
$F \text{ (IPR, inch per revolution)} = S * \text{Fn} = \text{feed per minute}$
$F \text{ (IPM, inch per minute)} = S * Fz * n.\text{flutes} = \text{feed per minute}$
$\text{Sfm} = S * D * \pi / 12$