



Solid Carbide ZrN Coated Square Aluminum Cutting End Mill Router Bits Running CNC Parameters

2 Flute

3 Flute

Diameter	1/4"		Diameter	1/8"		3/16"		1/4"		3/8"		1/2"	
Aluminum, forged casted Magnesium, Zinc	18,000 RPM		Aluminum,	18,400 RPM		12,200 RPM		9,200 RPM		6,100 RPM		4,600 RPM	
	Feed Rate IPM*	Chip Load Per Tooth	forged casted Magnesium, Zinc	Feed Rate IPM*	Chip Load Per Tooth								
	55 IPM	0.002		25 IPM	0.00045	26 IPM	0.00071	27 IPM	0.00098	29 IPM	0.00158	30 IPM	0.00217

Slotting, 1 Xs Dia.

Simple Machining Calculations: To find **RPM:** (SFM x 3.82) / diameter of tool To find **SFM:** 0.262 x diameter of tool x RPM To find **Feed Rate IPM:** RPM x # of flutes x chip load To find **Chip Load:** Feed Rate IPM / (RPM x # of flutes) To find **Ramp Down:** Feed Rate IPM / # of flutes

Tool Reference #'s						
Diameter	Tool #					
1/8"	51862-Z					
3/16"	51864-Z					
1/4"	51866-Z					
1/4"	51624					
3/8"	51868-Z					
1/2"	51870-Z					

Disclaimer: It is important to understand that these values are only recommendations.

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