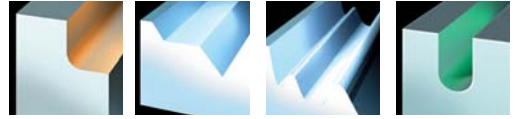


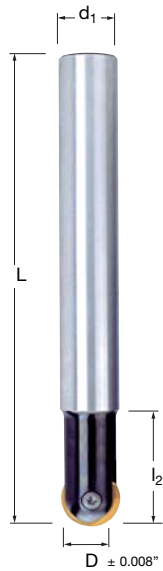
5500 V .750

Contour Milling Cutter

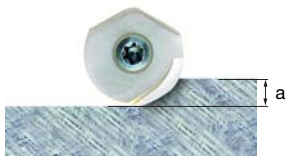


5500 V .750 Cylindrical Shank

EDP#	Part Number	Dimensions (inch)						No. of Inserts	Spares		
		D	L	l ₂	d ₁	a	EDP#		EDP#	EDP#	
014294	C5500V.750CR	0.75	8	1.85	0.75	0.375	1	015252	55.676	015241	T20



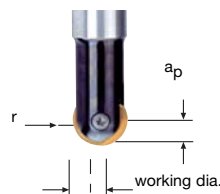
Cylindrical Shank



Depth of cut (a)

5500 V .750 Technical Advice

Milling Cutter Order Example: **C5500V .750CR**
 Milling Insert Order Example: **RG .750 SP1032**
 For complete cutting conditions refer to page: **208**

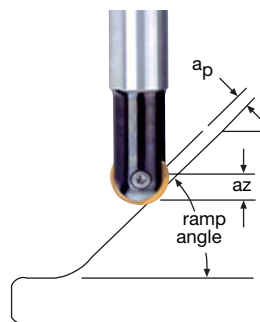


Working Diameter:

$$DW = 2 \times \sqrt{r^2 - (r - a_p)^2}$$

where: **DW** = Working Diameter
r = Cutter radius
a_p = Axial Depth of Cut

Ramp Milling Method

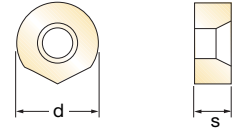


Ramp-up Data

Cutter Diameter 0.750 in.		Ramp Angle
ap (in.)	az (in.)	
0.278	0.362	15°
0.188	0.325	30°
0.110	0.265	45°
0.050	0.187	60°
0.013	0.100	75°
0.004	0.040	85°

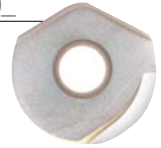
Torque Limits 23 in. lbs.

Inserts for 5500 V .750



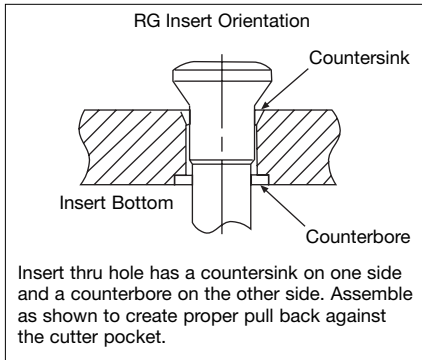
EDP#	Part Number	Grade	Application & Material			Dimensions (inch)				
			Roughing	Semi-Finishing	Finishing	d	l	s	r	h_m min
014404	RG.750	SP1032			◆◆◆◆◆	0.750	-	0.138	0.375	0.0008

RG .750_



027798	RG20S	SP1064			◆◆◆◆◆	0.787	-	0.138	0.394	0.0008
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RG 20S_



Insert Interchangeability*			
Metric		Inch	
Diameter	Insert Number	Diameter	Insert Number
20 mm	RG 20	.75 in.	RG .750

*Insert interchangeability allows metric inserts to be used in inch cutters and vice-versa.

RG .750 Recommended Cutting Conditions

Material	▼ Roughing			▼▼ Semi-Finishing			▼▼▼ Finishing		
	Speed V_C (feet/min)	Feed h_m (inch)	D.O.C. a_p (inch)	Speed V_C (feet/min)	Feed h_m (inch)	D.O.C. a_p (inch)	Speed V_C (feet/min)	Feed h_m (inch)	D.O.C. a_p (inch)
◆ Unalloyed Steels	-	-	-	-	-	-	600 - 1180	0.004 - 0.010	<0.060
◆ Alloyed Steels	-	-	-	-	-	-	370 - 780	0.004 - 0.010	<0.060
◆ Stainless Steels	-	-	-	-	-	-	460 - 780	0.004 - 0.008	<0.060
◆ PH Stainless	-	-	-	-	-	-	400 - 620	0.004 - 0.008	<0.060
◆ Cast Irons	-	-	-	-	-	-	330 - 520	0.004 - 0.008	<0.060
◆ Aluminum & Alloys	-	-	-	-	-	-	1320 - 3280	0.004 - 0.010	<0.060
◆ High Temp. Alloys	-	-	-	-	-	-	150 - 190	0.004 - 0.008	<0.060
◆ Hard Steels (52-56 HRC)	-	-	-	-	-	-	170 - 320	0.001 - 0.002	<0.020

h_m = average chip thickness

Star Guide Key to Recommended Tools

Material Designations			
P ◆ Unalloyed Steels	M ◆ Stainless Steels	K ◆ Cast Irons	S ◆ High Temp. Alloys
P ◆ Alloyed Steels	M ◆ PH Stainless	N ◆ Aluminum & Alloys	H ◆ Hard Materials