



Tungsten Carbide Burs



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TUNGSTEN CARBIDE BURRS

Applications

Procut Tungsten Carbide Burrs are manufactured for freehand deburring and grinding of a large variety of metals, alloys, castings and composite materials.

Quality Control

Procut use only the highest quality raw materials and manufacturing processes to ensure that the product they supply is second to none in the industry today.


CNC

Procut uses today's most highly developed technology to ensure their product and quality is No.1. Procut's method of cutting the burrs produces a very strong tooth formation which results in a burr built for long life and rapid metal removal.

Continuous Improvement

Procut Engineering are dedicated to a process of continuous improvement. They are constantly looking for new means of more effective production.

Brazing

Procut's unique brazing process guarantees that the strength of the braze is equal to the strength of the shank. Used correctly the braze on a Procut burr will never break (Procut burrs are to be used in tools of high quality which are checked regularly for worn bearing, collets or spindles. Also the speed of the tool must be consistent with the speed requirements of the burr.  recommended operating speeds chart below).

Operating Speeds

To obtain the best results from your Procut burrs it is necessary to have a hand grinder of correct speed to suit the diameter of the burr and material used. Very hard materials require slower speeds than soft materials. See chart below:

Burr Dia	Max RPM	Recommended Operating Speed
1/8"	100,000	40% - 70%
3/16"	70,000	40% - 70%
1/4"	60,000	40% - 70%
5/16"	55,000	40% - 70%
3/8"	50,000	40% - 70%
1/2"	40,000	40% - 70%
5/8"	30,000	40% - 70%
3/4"	20,000	40% - 70%
1"	15,000	40% - 70%



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Burr Selection Guide

Procut offers several types of cuts to suit most applications. From Aluminium to Titanium, we have the shape, cut and size of burr to suit you your needs.

	Chipbreaker fast stock removal, improved control and reduced chips	Diamond cut for the hardest materials and best finishes	Double cut for general purpose use to improve control and break chips effectively	Fine cut for improved finish	Fast Mill for rapid stock removal of softer non-ferrous material and plastics	Standard cut for general application
Material	Cut #9	Cut #8	Cut #6	Cut #4	Cut #3	Cut #2
Soft Non-Ferrous Metals					•	
Carbon Steel	•		•			•
Brass, Copper, Bronze					•	
Cast Iron	•		•			•
Magnesium Alloy				•		
High Strength Steel	•	•	•	•		•
Stainless Steel			•			•
Steel Castings	•		•			•
Steel Welds	•		•			•
Reinforced Plastic					•	
Hard Rubber				•		
Titanium Alloy			•			•
Zinc Alloy				•		•
Fibre Glass Composite			•		•	•



Carbide Burrs

Steel/Stainless Steel Alloys

- Material:**
- Steel
 - Stainless Steel
 - Alloys
 - Castings
 - Composite Materials

- Application:**
- Freehand deburring
 - Grinding

- Product Advantages:**
- Highest quality raw materials used in mfg
 - Strong tooth formation
 - Long life
 - Rapid metal removal

Burrs listed are Double Cut for general purpose (cut 6) Other Cuts available. pg 2

A-SHAPE Cylinder B-SHAPE Cylinder with end cut C-SHAPE Bull Nose



A-SHAPE	Head DIA	Head Length	
1/8" solid carbide			
PA42	3/32"	7/16"	F1200101-6
PA43	1/8"	9/16"	F1200102-6
1/4" brazed - 1/8" steel shank			
PA51	1/4"	1/2"	F1200106-6
1/4" solid carbide			
PA1	1/4"	5/8"	F1200110-6
brazed -1/4" steel shank			
PA3	3/8"	3/4"	F1200117-6
PA5	1/2"	1"	F1200119-6
PA6	5/8"	1"	F1200120-6
PA7	3/4"	1"	F1200121-6
PA9	1"	1"	F1200123-6

B-SHAPE	Head DIA	Head Length	
1/8" solid carbide			
PB42	3/32"	7/16"	F1200202-6
PB43	1/8"	9/16"	F1200203-6
1/4" brazed - 1/8" steel shank			
PB51	1/4"	1/2"	F1200206-6
1/4" solid carbide			
PB1	1/4"	5/8"	F1200210-6
brazed -1/4" steel shank			
PB3	3/8"	3/4"	F1200216-6
PB5	1/2"	1"	F1200218-6
PB6	5/8"	1"	F1200219-6
PB7	3/4"	1"	F1200220-6
PB16	3/4"	3/4"	F1200221-6

C-SHAPE	Head DIA	Head Length	
1/8" solid carbide			
PC41	3/32"	7/16"	F1200301-6
PC42	1/8"	9/16"	F1200302-6
1/4" brazed - 1/8" steel shank			
PC51	1/4"	1/2"	F1200306-6
1/4" solid carbide			
PC1	1/4"	5/8"	F1200310-6
brazed -1/4" steel shank			
PC3	3/8"	3/4"	F1200316-6
PC5	1/2"	1"	F1200318-6
PC6	5/8"	1"	F1200319-6
PC7	3/4"	1"	F1200320-6

D-SHAPE Ball E-SHAPE Oval

D-SHAPE	Head DIA	Head Length	
1/8" solid carbide			
PD41	3/32"	3/32"	F1200401-6
PD42	1/8"	1/8"	F1200402-6
1/4" brazed - 1/8" steel shank			
PD51	1/4"	1/4"	F1200406-6
1/4" solid carbide			
PD1	1/4"	3/16"	F1200410-6
brazed -1/4" steel shank			
PD3	3/8"	5/16"	F1200416-6
PD5	1/2"	7/16"	F1200417-6
PD6	5/8"	9/16"	F1200418-6
PD9	1"	1"	F1200420-6



E-SHAPE	Head DIA	Head Length	
1/8" solid carbide			
PE41	1/8"	7/32"	F1200501-6
1/4" brazed - 1/8" steel shank			
PE51	1/4"	3/8"	F1200506-6
1/4" solid carbide			
PE1	1/4"	3/8"	F1200510-6
brazed -1/4" steel shank			
PE3	3/8"	5/8"	F1200516-6
PE5	1/2"	7/8"	F1200517-6
PE6	5/8"	1"	F1200518-6
PE7	3/4"	1"	F1200519-6



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F-SHAPE Round Tree

G-SHAPE Tree

H-SHAPE Flame



F-SHAPE	Head DIA ⊕	Head Length ↔	
1/8" solid carbide			
PF41	1/8"	1/4"	F1200601-6
PF42	1/8"	1/2"	F1200602-6
1/4" brazed - 1/8" steel shank			
PF51	1/4"	1/2"	F1200606-6
1/4" solid carbide			
PF1	1/4"	5/8"	F1200610-6
brazed -1/4"steel shank			
PF3	3/8"	3/4"	F1200616-6
PF5	1/2"	1"	F1200618-6
PF6	5/8"	1"	F1200619-6

G-SHAPE	Head DIA ⊕	Head Length ↔	
1/8" solid carbide			
PG41	1/8"	1/4"	F1200701-6
PG42	1/8"	1/2"	F1200702-6
1/4" brazed - 1/8" steel shank			
PG51	1/4"	1/2"	F1200706-6
1/4" solid carbide			
PG1	1/4"	5/8"	F1200710-6
brazed -1/4"steel shank			
PG3	3/8"	3/4"	F1200716-6
PG5	1/2"	1"	F1200718-6

H-SHAPE	Head DIA ⊕	Head Length ↔	
1/8" solid carbide			
PH41	1/8"	1/4"	F1200801-6
1/4" brazed - 1/8" steel shank			
PH51	1/4"	1/2"	F1200802-6
brazed -1/4"steel shank			
PH5	1/2"	1 1/4"	F1200816-6
PH7	3/4"	1 1/4"	F12008186

L-SHAPE Ball Nose Cone

M-SHAPE Cone

N-SHAPE Inverted Cone



L-SHAPE	Head DIA ⊕	Head Length ↔	
1/8" solid carbide			
PL41	1/8"	3/8"	F1201101-6
PL42	1/8"	1/2"	F1201102-6
1/4" brazed - 1/8" steel shank			
PL51	1/4"	1/2"	F1201103-6
1/4" solid carbide			
PL1	1/4"	5/8"	F1201106-6
brazed -1/4"steel shank			
PL4	1/2"	1 1/8"	F1201117-6
PL5	5/8"	1 3/16"	F1201118-6
PL7	3/4"	1 1/2"	F1201119-6

M-SHAPE	Head DIA ⊕	Head Length ↔	
1/8" solid carbide			
PM41	1/8"	5/16"	F1201201-6
PM42	1/8"	7/16"	F1201202-6
1/4" brazed - 1/8" steel shank			
PM51	1/4"	1/2"	F1201206-6
1/4" solid carbide			
PM2	1/4"	3/4"	F1201210-6
brazed -1/4"steel shank			
PM4	3/8"	5/8"	F1201215-6
PM5	1/2"	7/8"	F12012166

N-SHAPE	Head DIA ⊕	Head Length ↔	
1/8" solid carbide			
PN42	1/8"	3/16"	F1201301-6
1/4" brazed - 1/8" steel shank			
PN51	1/4"	1/4"	F1201306-6
1/4" solid carbide			
PN1	1/4"	5/16"	F1201310-6
brazed -1/4"steel shank			
PN2	3/8"	3/8"	F1201315-6
PN4	1/2"	1/2"	F1201316-6
PN7	3/4"	3/4"	F1201318-6