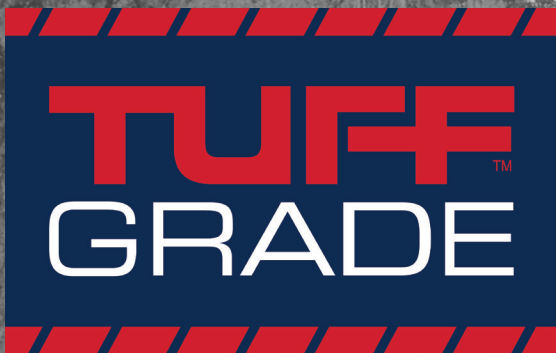


Finishing Tuff jobs.



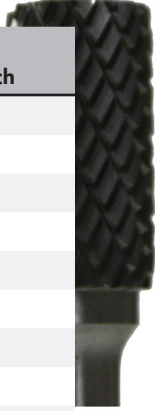
There's no better feeling than putting the final touches on your current project. And with Tuff Grade carbide burrs you know you can rely on a clean, smooth and fine finish. No matter the job Tuff Grade carbide burrs will help you finish tough jobs!

Applications: Medium-Light removal material, Deburring, Fine finishing, Cleaning, Smooth finish

Cylindrical Carbide Burrs

- Variety of burr shapes
- Selection of sizes

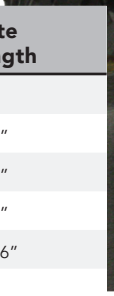
Item Number	Shape	Head Diameter	Flute Length
SA-1-IDI	Cylindrical	1/4"	5/8"
SA-2-IDI	Cylindrical	5/16"	3/4"
SA-3-IDI	Cylindrical	3/8"	3/4"
SA-4-IDI	Cylindrical	7/16"	1"
SA-5-IDI	Cylindrical	1/2"	1"
SA-6-IDI	Cylindrical	5/8"	1"
SA-7-IDI	Cylindrical	3/4"	1"
SA-9-IDI	Cylindrical	1"	1"
SA-14-IDI	Cylindrical	3/16"	5/8"



Ball Shaped Burrs

- Variety of burr shapes
- Selection of sizes

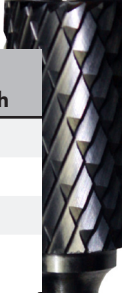
Item Number	Shape	Head Diameter	Flute Length
SD-2-IDI	Ball	5/16"	1/4"
SD-3-IDI	Ball	3/8"	5/16"
SD-5-IDI	Ball	1/2"	7/16"
SD-6-IDI	Ball	5/8"	9/16"
SD-7-IDI	Ball	3/4"	11/16"
SD-14-IDI	Ball	3/16"	1/8"



Cylindrical End Cut Carbide Burrs

- Variety of burr shapes
- Selection of sizes


Item Number	Shape	Head Diameter	Flute Length
SB-1-IDI	Cylindrical - End Cut	1/4"	5/8"
SB-3-IDI	Cylindrical - End Cut	3/8"	3/4"
SB-5-IDI	Cylindrical - End Cut	1/2"	1"
SB-11-IDI	Cylindrical - End Cut	1/8"	1"



Tree Shaped Radius End Carbide Burrs

- Variety of burr shapes
- Selection of sizes

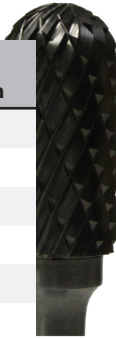
Item Number	Shape	Head Diameter	Flute Length
SF-1-IDI-BUR	Tree - Radius End	1/4"	5/8"
SF-3-IDI	Tree - Radius End	3/8"	3/4"
SF-5-IDI	Tree - Radius End	1/2"	1"
SF-6-IDI	Tree - Radius End	5/8"	1"
SF-7-IDI	Tree - Radius End	3/4"	1"
SF-13-IDI	Tree - Radius End	1/2"	3/4"
SF-14-IDI	Tree - Radius End	3/4"	1-1/4"



Cylindrical Radius Cut Carbide Burrs

- Variety of burr shapes
- Selection of sizes


Item Number	Shape	Head Diameter	Flute Length
SC-1-IDI	Cylindrical - Radius Cut	1/4"	5/8"
SC-2-IDI	Cylindrical - Radius Cut	5/16"	3/4"
SC-3-IDI	Cylindrical - Radius Cut	3/8"	3/4"
SC-4-IDI	Cylindrical - Radius Cut	7/16"	1"
SC-5-IDI	Cylindrical - Radius Cut	1/2"	1"
SC-6-IDI	Cylindrical - Radius Cut	5/8"	1"



Tree Shaped Pointed End Carbide Burrs

- Variety of burr shapes
- Selection of sizes


Item Number	Shape	Head Diameter	Flute Length
SG-1-IDI	Tree - Pointed End	1/4"	5/8"
SG-2-IDI	Tree - Pointed End	5/16"	3/4"
SG-3-IDI	Tree - Pointed End	3/8"	3/4"
SG-5-IDI	Tree - Pointed End	1/2"	1"
SG-6-IDI	Tree - Pointed End	5/8"	1"
SG-13-IDI	Tree - Pointed End	1/2"	3/4"



Flame Shaped Burrs

- Variety of burr shapes
- Selection of sizes

Item Number	Shape	Head Diameter	Flute Length
SH-1-IDI-BUR	Flame	1/4"	5/8"
SH-2-IDI	Flame	5/16"	3/4"
SH-5-IDI	Flame	1/2"	1-1/4"
SH-6-IDI	Flame	5/8"	1-7/16"



Miniature Carbide Burrs


- 1/8" shank diameter
- 1-1/2" overall length

Item Number	Shape	Head Diameter	Flute Length
SA-41-IDI	Cylindrical	1/16"	1/4"
SA-42-IDI	Cylindrical	3/32"	7/16"
SA-43-IDI	Cylindrical	1/8"	9/16"
SB-43-IDI	Cylindrical - End Cut	1/8"	9/16"
SC-41-IDI	Cylindrical - Radius Cut	3/32"	7/16"
SC-42-IDI	Cylindrical - Radius Cut	1/8"	9/16"
SD-41-IDI	Ball	3/32"	3/32"
SD-42-IDI	Ball	1/8"	1/8"
SE-41-IDI	Oval	1/8"	7/32"
SF-41-IDI	Tree - Radius End	1/8"	1/4"
SF-42-IDI	Tree - Radius End	1/8"	1/2"
SH-41-IDI	Flame	1/8"	1/4"
SL-41-IDI	Taper - Radius Cut	1/8"	3/8"
SL-42-IDI	Taper - Radius Cut	1/8"	1/2"
SM-41-IDI	Cone - Pointed End	1/8"	11/32"
SM-42-IDI	Cone - Pointed End	1/8"	7/16"

Taper Radius Cut Carbide Burrs

- Variety of burr shapes
- Selection of sizes


Item Number	Shape	Head Diameter	Flute Length
SL-1-IDI	Taper - Radius Cut	1/4"	5/8"
SL-2-IDI	Taper - Radius Cut	5/16"	7/8"
SL-3-IDI	Taper - Radius Cut	3/8"	1-1/16"
SL-4-IDI	Taper - Radius Cut	1/2"	1-1/8"
SL-5-IDI	Taper - Radius Cut	5/8"	1-3/16"



Cone Shaped Pointed End Carbide Burrs

- Variety of burr shapes
- Selection of sizes

Item Number	Shape	Head Diameter	Flute Length
SM-1-IDI	Cone - Pointed End	1/4"	1/2"
SM-2-IDI	Cone - Pointed End	1/4"	3/4"
SM-3-IDI	Cone - Pointed End	1/4"	1"
SM-4-IDI	Cone - Pointed End	3/8"	5/8"
SM-5-IDI	Cone - Pointed End	1/2"	7/8"
SM-6-IDI	Cone - Pointed End	5/8"	1"



- 1/8" shank diameter
- 1/4" cutting diameter

Item Number	Shape	Head Diameter	Flute Length
SC-51-IDI	Cylindrical - Radius Cut	1/4"	1/2"
SD-51-IDI	Ball	1/4"	1/4"
SE-51-IDI	Oval	1/4"	3/8"
SG-51-IDI	Tree - Pointed End	1/4"	1/2"

- 1/8" shank diameter
- 3/16" cutting diameter

Item Number	Shape	Head Diameter	Flute Length
SA-53-IDI	Cylindrical	3/16"	1/2"
SL-53-IDI	Taper - Radius Cut	3/16"	1/2"