



Polishing a stainless steel door handle

Convolute Wheels

Weiler's Convolute Wheels are designed for a wide variety of cleaning, finishing, deburring and edge blending needs on straight shaft tools and bench/pedestal grinders.

Applications

- ✓ Cleaning and polishing metal surfaces
- ✓ Deburring stamped metal parts
- ✓ Blending edges
- ✓ Polishing and finishing machined parts
- ✓ Removing parting lines
- ✓ Removing coated abrasive grind lines



54455



54303



04440



03804



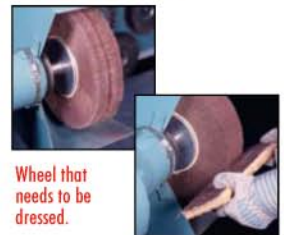
LubricuTM Lubricant is available for use on Convolute Wheels. See page 71 for usage recommendations.



Suggested Wheel Dressing Method

The initial dressing is most important to achieve maximum cutting and face uniformity. This process takes less than one minute.

- Step 1: Mount a 36 grit abrasive cloth strip to a solid backing (plywood).
- Step 2: Run the wheel at a high RPM (not to exceed Maximum Safe Free Speed). Apply the abrasive strip to the wheel face using light, uniform pressure.
- Step 3: Move the abrasive strip across the wheel face until the wheel face is uniform.
- Step 4: Use a piece of hardwood to burn away the excess nylon fiber. Hold the wood against the face until the wheel cuts the wood, exposing fresh grain and eliminating excess nylon.



Wheel that needs to be dressed.

Illustration of Step 2.

Convolute Wheels -



Diameter	Face Width	Arbor Hole	Grain	Grade	Density	Max. RPM	Item Number
MRO/General Purpose - For general cleaning and finishing							
6"	1/2"	1"	Silicon Carbide	Fine	7	6,000	54450
	1"		Silicon Carbide	Fine			54455
	1"		Silicon Carbide	Medium			54456
8"	1"	3"	Silicon Carbide	Fine	7	4,500	54460
			Silicon Carbide	Medium			54461
Deburring Wheels - For deburring and edge blending							
6"	1/2"	1"	Silicon Carbide	Fine	8	6,000	54300
	1/2"		Silicon Carbide	Fine			54301
	1/2"		Silicon Carbide	Medium			54401
	1"		Silicon Carbide	Fine			54303
	1"		Silicon Carbide	Fine			54304
	1"		Silicon Carbide	Medium			54050
	2"		Silicon Carbide	Fine			54307
8"	1"	3"	Silicon Carbide	Fine	8	4,500	54309
			Silicon Carbide	Fine			54310
			Silicon Carbide	Medium			54052

Adapters -

Wheel Inside Diameter	Arbor Hole	Item Number
Telescoping Plastic Adapter		
1"	3/4" - 5/8" - 1/2"	04440
Metal Adapters		
3"	1/2"	03804
	5/8"	03805
	3/4"	03806
	1"	03807
	1-1/4"	03808