Simplify burr removal on exterior surface holes.

SELF-CENTERING ELLIOTT ELLIPTICAL DEBURRING TOOLS FOR AN EVEN EDGE BREAK OF EXTERIOR HOLES. EASILY FOLLOWS ANY ROUNDED HOLE AND PRODUCES AN EVEN CHAMFER OF CURVED HOLE EDGES.

Elliptical Deburring tools are a simple solution to a costly problem!

- Quick, efficient, and simple to use! The constant pressure of the spring combined with the pilot keeps the cutter centered, ensuring a uniform burr removal.
- The tool’s pilot easily follows any rounded hole and produces an even chamfer of curved hole edges.
- Premium grade HSS TIN coated cutters are available standard.
- Cutting blades can be resharpened or replaced and are very cost effective against solid carbide chamfer tools.
- The Elliott Elliptical Deburring tool can be used with a hand drill, drill press or CNC machine. No tool settings required!
- “Overtravel” spring design to prevent burr removals from becoming unintended chamfers.
Available in three standard sizes and also available as a kit.

STANDARD DIMENSIONS

<table>
<thead>
<tr>
<th>Operating Range Min.</th>
<th>Operating Range Max.</th>
<th>Length</th>
<th>Body</th>
<th>Shank</th>
<th>Degrees</th>
<th>Tool Number</th>
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</thead>
<tbody>
<tr>
<td>A 0.156&quot;</td>
<td>B 0.313&quot;</td>
<td>C 0.093&quot;</td>
<td>D 0.625&quot;</td>
<td>E 0.250&quot;</td>
<td>F 120</td>
<td>0430052</td>
</tr>
<tr>
<td>A 0.250&quot;</td>
<td>B 0.500&quot;</td>
<td>C 0.125&quot;</td>
<td>D 0.750&quot;</td>
<td>E 0.250&quot;</td>
<td>F 120</td>
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</tr>
<tr>
<td>A 0.375&quot;</td>
<td>B 1.000&quot;</td>
<td>C 0.156&quot;</td>
<td>D 1.000&quot;</td>
<td>E 0.500&quot;</td>
<td>F 120</td>
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REPLACEMENT PARTS

<table>
<thead>
<tr>
<th>Complete Tool</th>
<th>Cutter</th>
<th>Cutter Spring</th>
<th>Pilot</th>
<th>Pilot Spring</th>
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<tbody>
<tr>
<td>0430052</td>
<td>0230350</td>
<td>0230601</td>
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<td>0440700</td>
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</table>
ELLiptical Deburring Tool

APPLICATION

**Even** deburring on uneven surfaces at an **even** better price.

**THE JOB**

Part Material:
Stainless steel

Part Dimensions:
0.1875” cross hole. Cross hole must be 25% or less of part diameter.

**THE SOLUTION**

Tool Used:
0430052

Speed:
100 RPM

Feed:
Press into part until full contact

**THE RESULTS**

Evenly deburred elliptical hole.

- Better cosmetic appearance compared to alternative processes

Cycle Time: **3 sec.**