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!

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>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
<td>B</td>
<td>C</td>
<td>D</td>
<td>E</td>
<td>F</td>
</tr>
<tr>
<td>0.156&quot;</td>
<td>0.313&quot;</td>
<td>0.093&quot;</td>
<td>0.625&quot;</td>
<td>0.250&quot;</td>
<td>120</td>
<td>0430052</td>
</tr>
<tr>
<td>0.250&quot;</td>
<td>0.500&quot;</td>
<td>0.125&quot;</td>
<td>0.750&quot;</td>
<td>0.250&quot;</td>
<td>120</td>
<td>0435052</td>
</tr>
<tr>
<td>0.375&quot;</td>
<td>1.000&quot;</td>
<td>0.156&quot;</td>
<td>1.000&quot;</td>
<td>0.500&quot;</td>
<td>120</td>
<td>0440000</td>
</tr>
</tbody>
</table>

PREFERRED METHOD OF DEBURRING CRANKSHAFT HOLES.

REPLACEMENT PARTS

<table>
<thead>
<tr>
<th>Complete Tool</th>
<th>Cutter</th>
<th>Cutter Spring</th>
<th>Pilot</th>
<th>Pilot Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>0430052</td>
<td>0230350</td>
<td>0230601</td>
<td>0231000</td>
<td>0230400</td>
</tr>
<tr>
<td>0435052</td>
<td>0230350</td>
<td>0230601</td>
<td>0235300</td>
<td>0230400</td>
</tr>
<tr>
<td>0440000</td>
<td>0440250</td>
<td>0440700</td>
<td>044044</td>
<td>0440500</td>
</tr>
</tbody>
</table>
ELLIPtical DEBURRING TOOL

APPLICATION

Even deburring on uneven surfaces at an even better price.

THE JOB

Part Material: Stainless steel
Diameter: 0.1875”

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.