Quick Ship Products

“Our Best Selling Tools In Stock for You!”
## TABLE OF CONTENTS

### COATINGS  
(Page 3)
- Premier Coatings ........................................... 3

### STANDARD ENDMILLS  
(Page 4)
- Square Endmills ............................................. 5
- Ball Endmills ............................................... 5
- Corner Radius Endmills ................................. 6
- 90° Drill Mills ............................................... 6

### HIGH PERFORMANCE ENDMILLS  
(Page 7)
- V4 Square Endmills ........................................ 8
- V4 Ball Endmills ............................................ 8
- V4 Corner Radius Endmills ......................... 8
- Square End AxMills ...................................... 9
- Corner Radius AxMills ................................ 9
- Corner Radius Necked AxMills .................. 9

### BURS  
(Page 10)
- SA Burs - Cylindrical Shape, No Endcut ........ 10
- SB Burs - Cylindrical Shape with End Cut ...... 11
- SC Burs - Radius Cylindrical Shape .............. 11
- SD Burs - Ball Shape .................................... 12
- SE Burs - Oval Shape ................................... 12
- SF Burs - Radius Tree Shape ....................... 13
- SG Burs - Pointed Tree Shape ..................... 13
- SH Burs - Flame Shape ................................. 14
- SL Burs - Radius Cone Shape ....................... 14
- SM Burs - Pointed Cone Shape .................... 14

### INFORMATION  
(Page 14)
- Terms and Conditions .................................... 14
- Additional Offerings ..................................... 14
MASTERCUT PREMIER COATINGS

- Speed and Feed increases from 30 to 200 percent
- Tool life is increased up to 10 times
- Reduces friction, spindle torque and vibration, providing a better finish
- Isolates the tool from the part, avoids edge buildup and tool cratering
- Reduces or eliminates coolant
- Repeatable, stable performance between batches

PREFERRED COATING USE

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum, Low Silicon &lt; 10%</td>
<td></td>
<td></td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Aluminum, High Silicon &gt; 10%</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Copper, Copper Alloys</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Ductile, Malleable Cast Iron</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Carbon Steel, 1000 Series</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Alloy Steel, 4 to 9000 Series</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Tool Steel</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>SS Steel, 300 Series</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>SS Steel, 400 Series</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>SS PH Series</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Titanium, Titanium Alloys</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Nickel, Nickel Alloys, Cobalt</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Wood, Paper</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Composites, Plastics</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Graphite</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Fiberglass</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
</tbody>
</table>

Please contact us for more information about Mastercut’s premier coating options.

OUR AVAILABLE Quick Ship COATINGS

**PowerA (Aluminum Titanium Nitride, AlTiN) (append -1)**

- Color: Dark Gray
- Vickers Hardness: approximately 3,600 Vickers
- Nickel Alloys, Stainless Steel, Hardened Steels, Tool Steels, Cast Iron
- An excellent broad spectrum grade. May be run in dry or minimum quantity lubrication applications, where heat can be a problem. Also handles light chip loads very well

**PowerZ (Zirconium Nitride, ZrN) (append -4)**

- Color: dull Gold
- Vickers Hardness: approximately 2,800 Vickers
- Outstanding on aluminum, including high silica aluminum. Can also be used on cast iron, stainless steels, titanium

*append -# indicates that this coating is applied to uncoated tool part number

- Many other premium coatings are available for tools with standard delivery.
- Please contact us or see our Rotary Cutting Tools catalog for more information.
Mastercut’s Superior Carbide Blend – A-Gr-SiV (Active Grain Sized Volume)
Our superior tungsten carbide gives you the ability to be aggressive when you need to be. Growth inhibitors in our submicron carbide blanks maintain the most consistent grain size available, giving you superior hardness AND toughness.
### SQUARE ENDMILLS

2, 3, & 4 Flutes • Uncoated

<table>
<thead>
<tr>
<th>OD</th>
<th>LOC</th>
<th>SHK</th>
<th>OAL</th>
<th>Uncoated</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2 Flute</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3 Flute</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>4 Flute</td>
</tr>
<tr>
<td>D1</td>
<td>L1</td>
<td>D2</td>
<td>L2</td>
<td></td>
</tr>
<tr>
<td>1/32</td>
<td>3/32</td>
<td>1/8</td>
<td>1-1/2</td>
<td>209-202</td>
</tr>
<tr>
<td>1/16</td>
<td>1/4</td>
<td>1/8</td>
<td>1-1/2</td>
<td>209-206</td>
</tr>
<tr>
<td>3/32</td>
<td>3/8</td>
<td>1/8</td>
<td>1-1/2</td>
<td>209-210</td>
</tr>
<tr>
<td>1/8</td>
<td>1/2</td>
<td>1/8</td>
<td>1-1/2</td>
<td>209-214</td>
</tr>
<tr>
<td>3/16</td>
<td>5/8</td>
<td>3/16</td>
<td>2</td>
<td>209-222</td>
</tr>
<tr>
<td>1/4</td>
<td>3/4</td>
<td>1/4</td>
<td>2-1/2</td>
<td>209-230</td>
</tr>
<tr>
<td>5/16</td>
<td>7/8</td>
<td>5/16</td>
<td>2-1/2</td>
<td>209-238</td>
</tr>
<tr>
<td>3/8</td>
<td>7/8</td>
<td>3/8</td>
<td>2-1/2</td>
<td>209-246</td>
</tr>
<tr>
<td>1/2</td>
<td>1</td>
<td>1/2</td>
<td>3</td>
<td>209-262</td>
</tr>
<tr>
<td>5/8</td>
<td>1-1/4</td>
<td>5/8</td>
<td>3-1/2</td>
<td>209-266</td>
</tr>
<tr>
<td>3/4</td>
<td>1-1/2</td>
<td>3/4</td>
<td>4</td>
<td>209-270</td>
</tr>
<tr>
<td>7/8</td>
<td>1-1/2</td>
<td>7/8</td>
<td>4</td>
<td>-</td>
</tr>
<tr>
<td>1</td>
<td>1-1/2</td>
<td>1</td>
<td>4</td>
<td>209-274</td>
</tr>
</tbody>
</table>

### BALL ENDMILLS

2, 3, & 4 Flutes • Uncoated

<table>
<thead>
<tr>
<th>OD</th>
<th>LOC</th>
<th>SHK</th>
<th>OAL</th>
<th>Uncoated</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2 Flute</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3 Flute</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>4 Flute</td>
</tr>
<tr>
<td>D1</td>
<td>L1</td>
<td>D2</td>
<td>L2</td>
<td></td>
</tr>
<tr>
<td>1/32</td>
<td>3/32</td>
<td>1/8</td>
<td>1-1/2</td>
<td>209-002</td>
</tr>
<tr>
<td>1/16</td>
<td>1/4</td>
<td>1/8</td>
<td>1-1/2</td>
<td>209-006</td>
</tr>
<tr>
<td>3/32</td>
<td>3/8</td>
<td>1/8</td>
<td>1-1/2</td>
<td>209-010</td>
</tr>
<tr>
<td>1/8</td>
<td>1/2</td>
<td>1/8</td>
<td>1-1/2</td>
<td>209-014</td>
</tr>
<tr>
<td>3/16</td>
<td>5/8</td>
<td>3/16</td>
<td>2</td>
<td>209-022</td>
</tr>
<tr>
<td>1/4</td>
<td>3/4</td>
<td>1/4</td>
<td>2-1/2</td>
<td>209-030</td>
</tr>
<tr>
<td>5/16</td>
<td>7/8</td>
<td>5/16</td>
<td>2-1/2</td>
<td>209-038</td>
</tr>
<tr>
<td>3/8</td>
<td>7/8</td>
<td>3/8</td>
<td>2-1/2</td>
<td>209-046</td>
</tr>
<tr>
<td>1/2</td>
<td>1</td>
<td>1/2</td>
<td>3</td>
<td>209-062</td>
</tr>
<tr>
<td>5/8</td>
<td>1-1/4</td>
<td>5/8</td>
<td>3-1/2</td>
<td>209-066</td>
</tr>
<tr>
<td>3/4</td>
<td>1-1/2</td>
<td>3/4</td>
<td>4</td>
<td>209-070</td>
</tr>
<tr>
<td>1</td>
<td>1-1/2</td>
<td>1</td>
<td>4</td>
<td>-</td>
</tr>
</tbody>
</table>

**Email:** sales@mastercuttool.com
**Website:** www.mastercuttool.com
### CORNER RADIUS ENDMILLS

2 and 4 Flutes • Uncoated

<table>
<thead>
<tr>
<th>OD</th>
<th>LOC</th>
<th>SHK</th>
<th>OAL</th>
<th>Radius</th>
<th>2 Flute</th>
<th>4 Flute</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/8</td>
<td>1/2</td>
<td>1/8</td>
<td>1-1/2</td>
<td>.015</td>
<td>209-401</td>
<td>-</td>
</tr>
<tr>
<td>1/8</td>
<td>1/2</td>
<td>1/8</td>
<td>1-1/2</td>
<td>.020</td>
<td>209-402</td>
<td>-</td>
</tr>
<tr>
<td>3/16</td>
<td>5/8</td>
<td>3/16</td>
<td>2</td>
<td>.020</td>
<td>-</td>
<td>211-412</td>
</tr>
<tr>
<td>1/4</td>
<td>3/4</td>
<td>1/4</td>
<td>2-1/2</td>
<td>.015</td>
<td>-</td>
<td>211-421</td>
</tr>
<tr>
<td>1/4</td>
<td>3/4</td>
<td>1/4</td>
<td>2-1/2</td>
<td>.020</td>
<td>-</td>
<td>211-422</td>
</tr>
<tr>
<td>1/4</td>
<td>3/4</td>
<td>1/4</td>
<td>2-1/2</td>
<td>.030</td>
<td>209-423</td>
<td>211-423</td>
</tr>
<tr>
<td>5/16</td>
<td>13/16</td>
<td>5/16</td>
<td>2-1/2</td>
<td>.030</td>
<td>-</td>
<td>211-433</td>
</tr>
<tr>
<td>3/8</td>
<td>1</td>
<td>3/8</td>
<td>2-1/2</td>
<td>.030</td>
<td>209-443</td>
<td>211-443</td>
</tr>
<tr>
<td>1/2</td>
<td>1</td>
<td>1/2</td>
<td>3</td>
<td>.020</td>
<td>209-452</td>
<td>211-452</td>
</tr>
<tr>
<td>1/2</td>
<td>1</td>
<td>1/2</td>
<td>3</td>
<td>.030</td>
<td>209-453</td>
<td>211-453</td>
</tr>
<tr>
<td>5/8</td>
<td>1-1/4</td>
<td>5/8</td>
<td>3-1/2</td>
<td>.030</td>
<td>-</td>
<td>211-463</td>
</tr>
</tbody>
</table>

### 90° DRILL MILLS

2 and 4 Flutes • Uncoated

<table>
<thead>
<tr>
<th>OD</th>
<th>LOC</th>
<th>SHK</th>
<th>OAL</th>
<th>2 Flute</th>
<th>4 Flute</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4</td>
<td>3/4</td>
<td>1/4</td>
<td>2-1/2</td>
<td>214-006</td>
<td>214-306</td>
</tr>
<tr>
<td>3/8</td>
<td>7/8</td>
<td>3/8</td>
<td>2-1/2</td>
<td>214-010</td>
<td>214-310</td>
</tr>
<tr>
<td>1/2</td>
<td>1</td>
<td>1/2</td>
<td>3</td>
<td>214-014</td>
<td>214-314</td>
</tr>
</tbody>
</table>
Table of Contents

<table>
<thead>
<tr>
<th>Features Legend</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Square EndMill</strong></td>
</tr>
<tr>
<td>2 Flutes Square</td>
</tr>
<tr>
<td>3 Flutes Square</td>
</tr>
<tr>
<td>4 Flutes Square</td>
</tr>
<tr>
<td>Corner Radius</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Coatings Legend</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PowerA Coating</strong></td>
</tr>
</tbody>
</table>

Please contact us for our full line of metric products.

Mastercut’s Superior Carbide Blend – A-Gr-SiV (Active Grain Sized Volume)

Our superior tungsten carbide gives you the ability to be aggressive when you need to be. Growth inhibitors in our submicron carbide blanks maintain the most consistent grain size available, giving you superior hardness AND toughness.
V4 SQUARE ENDMILLS

4 Flutes • Coated with and without Flat

<table>
<thead>
<tr>
<th>OD</th>
<th>LOC</th>
<th>SHK</th>
<th>OAL</th>
<th>PowerA</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>No Flat</td>
<td>With Flat</td>
</tr>
<tr>
<td>D1</td>
<td>L1</td>
<td>D2</td>
<td>L2</td>
<td>400-010-1</td>
</tr>
<tr>
<td>1/4</td>
<td>5/8</td>
<td>1/4</td>
<td>2-1/2</td>
<td>400-012-1</td>
</tr>
<tr>
<td>5/16</td>
<td>13/16</td>
<td>5/16</td>
<td>2-1/2</td>
<td>400-016-1</td>
</tr>
<tr>
<td>3/8</td>
<td>7/8</td>
<td>3/8</td>
<td>2-1/2</td>
<td>400-022-1</td>
</tr>
<tr>
<td>1/2</td>
<td>1</td>
<td>1/2</td>
<td>3</td>
<td>400-028-1</td>
</tr>
<tr>
<td>5/8</td>
<td>1-1/4</td>
<td>5/8</td>
<td>3-1/2</td>
<td>400-030-1</td>
</tr>
<tr>
<td>3/4</td>
<td>1-1/2</td>
<td>3/4</td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

V4 BALL ENDMILLS

4 Flutes • Coated • With and without Flat

<table>
<thead>
<tr>
<th>OD</th>
<th>LOC</th>
<th>SHK</th>
<th>OAL</th>
<th>PowerA</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>No Flat</td>
<td>With Flat</td>
</tr>
<tr>
<td>D1</td>
<td>L2</td>
<td>D2</td>
<td>L2</td>
<td>400-210-1</td>
</tr>
<tr>
<td>1/4</td>
<td>5/8</td>
<td>1/4</td>
<td>2-1/2</td>
<td>400-212-1</td>
</tr>
<tr>
<td>5/16</td>
<td>13/16</td>
<td>5/16</td>
<td>2-1/2</td>
<td>400-216-1</td>
</tr>
<tr>
<td>3/8</td>
<td>7/8</td>
<td>3/8</td>
<td>2-1/2</td>
<td>400-222-1</td>
</tr>
<tr>
<td>1/2</td>
<td>1</td>
<td>1/2</td>
<td>3</td>
<td>400-228-1</td>
</tr>
<tr>
<td>5/8</td>
<td>1-1/4</td>
<td>5/8</td>
<td>3-1/2</td>
<td>400-230-1</td>
</tr>
<tr>
<td>3/4</td>
<td>1-1/2</td>
<td>3/4</td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

V4 CORNER RADIUS ENDMILLS

4 Flutes • Coated • With and without Flat

<table>
<thead>
<tr>
<th>OD</th>
<th>LOC</th>
<th>SHK</th>
<th>OAL</th>
<th>Radius</th>
<th>PowerA</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>No Flat</td>
<td>With Flat</td>
</tr>
<tr>
<td>D1</td>
<td>L1</td>
<td>D2</td>
<td>L2</td>
<td>.015</td>
<td>400-421-1</td>
</tr>
<tr>
<td>1/4</td>
<td>5/8</td>
<td>1/4</td>
<td>2-1/2</td>
<td>.020</td>
<td>400-422-1</td>
</tr>
<tr>
<td>5/16</td>
<td>13/16</td>
<td>5/16</td>
<td>2-1/2</td>
<td>.015</td>
<td>400-431-1</td>
</tr>
<tr>
<td>5/16</td>
<td>13/16</td>
<td>5/16</td>
<td>2-1/2</td>
<td>.020</td>
<td>400-432-1</td>
</tr>
<tr>
<td>3/8</td>
<td>7/8</td>
<td>3/8</td>
<td>2-1/2</td>
<td>.020</td>
<td>400-442-1</td>
</tr>
<tr>
<td>3/8</td>
<td>7/8</td>
<td>3/8</td>
<td>2-1/2</td>
<td>.030</td>
<td>400-443-1</td>
</tr>
<tr>
<td>1/2</td>
<td>1</td>
<td>1/2</td>
<td>3</td>
<td>.020</td>
<td>400-462-1</td>
</tr>
<tr>
<td>1/2</td>
<td>1</td>
<td>1/2</td>
<td>3</td>
<td>.030</td>
<td>400-463-1</td>
</tr>
<tr>
<td>5/8</td>
<td>1-1/4</td>
<td>5/8</td>
<td>3-1/2</td>
<td>.030</td>
<td>400-503-1</td>
</tr>
<tr>
<td>3/4</td>
<td>1-1/2</td>
<td>3/4</td>
<td>4</td>
<td>.030</td>
<td></td>
</tr>
<tr>
<td>3/4</td>
<td>1-1/2</td>
<td>3/4</td>
<td>4</td>
<td>.045</td>
<td></td>
</tr>
</tbody>
</table>
# SQUARE END AXMILLS

2 and 3 Flutes • Coated

<table>
<thead>
<tr>
<th>OD</th>
<th>LOC</th>
<th>SHK</th>
<th>OAL</th>
<th>PowerZ</th>
</tr>
</thead>
<tbody>
<tr>
<td>D1</td>
<td>L1</td>
<td>D2</td>
<td>L2</td>
<td>2 Flute</td>
</tr>
<tr>
<td>1/8</td>
<td>1/2</td>
<td>1/8</td>
<td>1-1/2</td>
<td>414-002-4</td>
</tr>
<tr>
<td>5/32</td>
<td>9/16</td>
<td>5/32</td>
<td>2</td>
<td>420-004-4</td>
</tr>
<tr>
<td>3/16</td>
<td>3/4</td>
<td>3/16</td>
<td>2</td>
<td>414-006-4</td>
</tr>
<tr>
<td>1/4</td>
<td>5/8</td>
<td>1/4</td>
<td>2-1/2</td>
<td>-</td>
</tr>
<tr>
<td>1/4</td>
<td>3/4</td>
<td>1/4</td>
<td>2-1/2</td>
<td>414-008-4</td>
</tr>
<tr>
<td>1/4</td>
<td>1</td>
<td>1/4</td>
<td>2-1/2</td>
<td>-</td>
</tr>
<tr>
<td>1/4</td>
<td>1-1/8</td>
<td>1/4</td>
<td>3</td>
<td>415-014-4</td>
</tr>
<tr>
<td>5/16</td>
<td>3/4</td>
<td>5/16</td>
<td>2-1/2</td>
<td>-</td>
</tr>
<tr>
<td>3/8</td>
<td>3/4</td>
<td>3/8</td>
<td>2-1/2</td>
<td>-</td>
</tr>
<tr>
<td>3/8</td>
<td>1</td>
<td>3/8</td>
<td>2-1/2</td>
<td>-</td>
</tr>
<tr>
<td>1/2</td>
<td>3/4</td>
<td>1/2</td>
<td>3</td>
<td>414-022-4</td>
</tr>
<tr>
<td>1/2</td>
<td>1</td>
<td>1/2</td>
<td>3</td>
<td>414-023-4</td>
</tr>
<tr>
<td>1/2</td>
<td>1-1/4</td>
<td>1/2</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>5/8</td>
<td>1-5/8</td>
<td>5/8</td>
<td>3-1/2</td>
<td>-</td>
</tr>
<tr>
<td>3/4</td>
<td>1-1/2</td>
<td>3/4</td>
<td>4</td>
<td>-</td>
</tr>
</tbody>
</table>

# CORNER RADIUS AXMILLS

3 Flutes • Coated

<table>
<thead>
<tr>
<th>OD</th>
<th>LOC</th>
<th>SHK</th>
<th>OAL</th>
<th>Corner Radius</th>
<th>PowerZ</th>
</tr>
</thead>
<tbody>
<tr>
<td>D1</td>
<td>L1</td>
<td>D2</td>
<td>L2</td>
<td>.030 CR</td>
<td>.060 CR</td>
</tr>
<tr>
<td>3/8</td>
<td>1</td>
<td>3/8</td>
<td>2-1/2</td>
<td>420-483-4</td>
<td>-</td>
</tr>
<tr>
<td>1/2</td>
<td>1-1/4</td>
<td>1/2</td>
<td>3</td>
<td>420-513-4</td>
<td>420-515-4</td>
</tr>
<tr>
<td>5/8</td>
<td>1-5/8</td>
<td>5/8</td>
<td>3-1/2</td>
<td>420-543-4</td>
<td>420-545-4</td>
</tr>
<tr>
<td>1</td>
<td>1-1/2</td>
<td>1</td>
<td>4</td>
<td>420-593-4</td>
<td>-</td>
</tr>
</tbody>
</table>

# CORNER RADIUS NECKED AXMILLS

3 Flutes • Coated

<table>
<thead>
<tr>
<th>OD</th>
<th>LOC</th>
<th>SHK</th>
<th>OAL</th>
<th>Neck Diameter</th>
<th>Neck Length</th>
<th>Corner Radius</th>
<th>PowerZ</th>
</tr>
</thead>
<tbody>
<tr>
<td>D1</td>
<td>L1</td>
<td>D2</td>
<td>L2</td>
<td>D3</td>
<td>L3</td>
<td>Corner Radius</td>
<td>3 Flutes</td>
</tr>
<tr>
<td>1/2</td>
<td>1-1/4</td>
<td>1/2</td>
<td>6</td>
<td>.355</td>
<td>1-1/8</td>
<td>.030</td>
<td>427-473-4</td>
</tr>
<tr>
<td>3/4</td>
<td>1</td>
<td>3/4</td>
<td>5</td>
<td>.519</td>
<td>1-5/8</td>
<td>.030</td>
<td>427-513-4</td>
</tr>
</tbody>
</table>
SA BURS - CYLINDRICAL SHAPE

Without End Cut

Alumacuts recommended for non-ferrous materials

<table>
<thead>
<tr>
<th>OD</th>
<th>LOC</th>
<th>SHK</th>
<th>OAL</th>
<th>Cut Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>D1</td>
<td>L1</td>
<td>1/8</td>
<td>1-1/2</td>
<td>Doublecut</td>
</tr>
<tr>
<td>1/8</td>
<td>9/16</td>
<td>1/8</td>
<td>1-1/2</td>
<td>SA-43DC*</td>
</tr>
<tr>
<td>1/4</td>
<td>5/8</td>
<td>1/4</td>
<td>2</td>
<td>SA-1DC*</td>
</tr>
<tr>
<td>3/8</td>
<td>3/4</td>
<td>1/4</td>
<td>2-1/2</td>
<td>SA-3DC</td>
</tr>
<tr>
<td>3/8</td>
<td>3/4</td>
<td>1/4</td>
<td>6-3/4</td>
<td>SA-3L6DC</td>
</tr>
<tr>
<td>1/2</td>
<td>1</td>
<td>1/4</td>
<td>2-3/4</td>
<td>SA-5DC</td>
</tr>
<tr>
<td>1/2</td>
<td>1</td>
<td>1/4</td>
<td>7</td>
<td>SA-5L6DC</td>
</tr>
</tbody>
</table>

* Denotes Solid Carbide
### SB BURS - CYLINDRICAL SHAPE

**With End Cut**

**Alumacuts recommended for non-ferrous materials**

<table>
<thead>
<tr>
<th>OD</th>
<th>LOC</th>
<th>SHK</th>
<th>OAL</th>
<th>Cut Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>D1</td>
<td>L1</td>
<td>D2</td>
<td>L2</td>
<td>Doublecut Alumacut</td>
</tr>
<tr>
<td>1/8</td>
<td>9/16</td>
<td>1/8</td>
<td>1-1/2</td>
<td>SB-43DC* -</td>
</tr>
<tr>
<td>1/4</td>
<td>5/8</td>
<td>1/4</td>
<td>2</td>
<td>SB-1DC* SB-1FM*</td>
</tr>
<tr>
<td>3/8</td>
<td>3/4</td>
<td>1/4</td>
<td>2-1/2</td>
<td>SB-3DC SB-3FM</td>
</tr>
<tr>
<td>3/8</td>
<td>3/4</td>
<td>1/4</td>
<td>6-3/4</td>
<td>SB-3L6DC -</td>
</tr>
<tr>
<td>1/2</td>
<td>1</td>
<td>1/4</td>
<td>2-3/4</td>
<td>SB-5DC SB-5FM</td>
</tr>
<tr>
<td>1/2</td>
<td>1</td>
<td>1/4</td>
<td>7</td>
<td>SB-5L6DC -</td>
</tr>
</tbody>
</table>

* Denotes Solid Carbide

### SC BURS - RADIUS CYLINDRICAL SHAPE

**Alumacuts recommended for non-ferrous materials**

<table>
<thead>
<tr>
<th>OD</th>
<th>LOC</th>
<th>SHK</th>
<th>OAL</th>
<th>Cut Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>D1</td>
<td>L1</td>
<td>D2</td>
<td>L2</td>
<td>Doublecut Alumacut</td>
</tr>
<tr>
<td>1/8</td>
<td>9/16</td>
<td>1/8</td>
<td>1-1/2</td>
<td>SC-42DC* -</td>
</tr>
<tr>
<td>1/4</td>
<td>5/8</td>
<td>1/4</td>
<td>2</td>
<td>SC-1DC* -</td>
</tr>
<tr>
<td>3/8</td>
<td>3/4</td>
<td>1/4</td>
<td>2-1/2</td>
<td>SC-3DC SC-3FM</td>
</tr>
<tr>
<td>3/8</td>
<td>3/4</td>
<td>1/4</td>
<td>6-3/4</td>
<td>SC-3L6DC -</td>
</tr>
<tr>
<td>1/2</td>
<td>1</td>
<td>1/4</td>
<td>2-3/4</td>
<td>SC-5DC SC-5FM</td>
</tr>
<tr>
<td>1/2</td>
<td>1</td>
<td>1/4</td>
<td>7</td>
<td>SC-5L6DC -</td>
</tr>
</tbody>
</table>

* Denotes Solid Carbide
### SD BURS - BALL SHAPE

Alumacuts recommended for non-ferrous materials

<table>
<thead>
<tr>
<th>OD</th>
<th>LOC</th>
<th>SHK</th>
<th>OAL</th>
<th>Cut Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>D1</td>
<td>1/8</td>
<td>1/8</td>
<td>1-1/2</td>
<td>Doublecut</td>
</tr>
<tr>
<td>1/8</td>
<td>1/8</td>
<td>1/8</td>
<td>1-1/2</td>
<td>Alumacut</td>
</tr>
<tr>
<td>1/4</td>
<td>7/32</td>
<td>1/4</td>
<td>2</td>
<td>SD-1DC*</td>
</tr>
<tr>
<td>3/8</td>
<td>5/16</td>
<td>1/4</td>
<td>2-1/8</td>
<td>SD-3DC</td>
</tr>
<tr>
<td>3/8</td>
<td>5/16</td>
<td>1/4</td>
<td>6-3/8</td>
<td>SD-3L6DC</td>
</tr>
<tr>
<td>1/2</td>
<td>7/16</td>
<td>1/4</td>
<td>2-1/4</td>
<td>SD-5DC</td>
</tr>
<tr>
<td>1/2</td>
<td>7/16</td>
<td>1/4</td>
<td>6-1/2</td>
<td>SD-5L6DC</td>
</tr>
</tbody>
</table>

* Denotes Solid Carbide

### SE BURS - OVAL SHAPE

Alumacuts recommended for non-ferrous materials

<table>
<thead>
<tr>
<th>OD</th>
<th>LOC</th>
<th>SHK</th>
<th>OAL</th>
<th>Cut Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>D1</td>
<td>7/32</td>
<td>1/8</td>
<td>1-1/2</td>
<td>Doublecut</td>
</tr>
<tr>
<td>1/8</td>
<td>7/32</td>
<td>1/8</td>
<td>1-1/2</td>
<td>Alumacut</td>
</tr>
<tr>
<td>1/4</td>
<td>3/8</td>
<td>1/4</td>
<td>2</td>
<td>SE-1DC*</td>
</tr>
<tr>
<td>3/8</td>
<td>5/8</td>
<td>1/4</td>
<td>2-3/8</td>
<td>SE-3DC</td>
</tr>
<tr>
<td>3/8</td>
<td>5/8</td>
<td>1/4</td>
<td>6-5/8</td>
<td>SE-3L6DC</td>
</tr>
<tr>
<td>1/2</td>
<td>7/8</td>
<td>1/4</td>
<td>2-5/8</td>
<td>SE-5DC</td>
</tr>
<tr>
<td>1/2</td>
<td>7/8</td>
<td>1/4</td>
<td>6-7/8</td>
<td>SE-5L6DC</td>
</tr>
</tbody>
</table>

* Denotes Solid Carbide
### SF BURS - RADIUS TREE SHAPE

Alumacuts recommended for non-ferrous materials

<table>
<thead>
<tr>
<th>OD</th>
<th>LOC</th>
<th>SHK</th>
<th>OAL</th>
<th>Cut Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>D1</td>
<td>L1</td>
<td>D2</td>
<td>L2</td>
<td>Doublecut</td>
</tr>
<tr>
<td>1/8</td>
<td>1/2</td>
<td>1/8</td>
<td>1-1/2</td>
<td>SF-42DC*</td>
</tr>
<tr>
<td>1/4</td>
<td>5/8</td>
<td>1/4</td>
<td>2</td>
<td>SF-1DC</td>
</tr>
<tr>
<td>3/8</td>
<td>3/4</td>
<td>1/4</td>
<td>2-1/2</td>
<td>SF-3DC</td>
</tr>
<tr>
<td>3/8</td>
<td>3/4</td>
<td>1/4</td>
<td>6-3/4</td>
<td>SF-3L6DC</td>
</tr>
<tr>
<td>1/2</td>
<td>1</td>
<td>1/4</td>
<td>2-3/4</td>
<td>SF-5DC</td>
</tr>
<tr>
<td>1/2</td>
<td>1</td>
<td>1/4</td>
<td>7</td>
<td>SF-5L6DC</td>
</tr>
</tbody>
</table>

* Denotes Solid Carbide

### SG BURS - POINTED TREE SHAPE

Long Shank

<table>
<thead>
<tr>
<th>OD</th>
<th>LOC</th>
<th>SHK</th>
<th>OAL</th>
<th>Cut Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>D1</td>
<td>L1</td>
<td>D2</td>
<td>L2</td>
<td>Doublecut</td>
</tr>
<tr>
<td>1/8</td>
<td>3/8</td>
<td>1/8</td>
<td>1-1/2</td>
<td>SG-43DC*</td>
</tr>
<tr>
<td>1/4</td>
<td>5/8</td>
<td>1/4</td>
<td>2</td>
<td>SG-1DC*</td>
</tr>
<tr>
<td>3/8</td>
<td>3/4</td>
<td>1/4</td>
<td>2-1/2</td>
<td>SG-3DC</td>
</tr>
<tr>
<td>3/8</td>
<td>3/4</td>
<td>1/4</td>
<td>6-3/4</td>
<td>SG-3L6DC</td>
</tr>
<tr>
<td>1/2</td>
<td>1</td>
<td>1/4</td>
<td>2-3/4</td>
<td>SG-5DC</td>
</tr>
<tr>
<td>1/2</td>
<td>1</td>
<td>1/4</td>
<td>6-3/4</td>
<td>SG-5L6DC</td>
</tr>
</tbody>
</table>

* Denotes Solid Carbide

---

Email: sales@mastercuttool.com
www.mastercuttool.com
### SH BURS - FLAME SHAPE

<table>
<thead>
<tr>
<th>OD</th>
<th>LOC</th>
<th>SHK</th>
<th>OAL</th>
<th>Cut Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/8</td>
<td>1/4</td>
<td>1/8</td>
<td>1-1/2</td>
<td>Doublecut</td>
</tr>
<tr>
<td>1/4</td>
<td>1/2</td>
<td>1/4</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>5/16</td>
<td>3/4</td>
<td>1/4</td>
<td>2-1/2</td>
<td>SH-2DC</td>
</tr>
<tr>
<td>1/2</td>
<td>1-1/4</td>
<td>1/4</td>
<td>3</td>
<td>SH-5DC</td>
</tr>
</tbody>
</table>

* Denotes Solid Carbide

### SL BURS - RADIUS CONE SHAPE

<table>
<thead>
<tr>
<th>OD</th>
<th>LOC</th>
<th>SHK</th>
<th>OAL</th>
<th>Angle</th>
<th>Cut Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/8</td>
<td>3/8</td>
<td>1/8</td>
<td>1-1/2</td>
<td>8°</td>
<td>SL-4DC*</td>
</tr>
<tr>
<td>1/4</td>
<td>5/8</td>
<td>1/4</td>
<td>2</td>
<td>14°</td>
<td>SL-1DC*</td>
</tr>
<tr>
<td>3/8</td>
<td>1-1/16</td>
<td>1/4</td>
<td>2-13/16</td>
<td>14°</td>
<td>SL-3DC</td>
</tr>
<tr>
<td>3/8</td>
<td>1-1/16</td>
<td>1/4</td>
<td>7-1/16</td>
<td>14°</td>
<td>SL-3L6DC</td>
</tr>
<tr>
<td>1/2</td>
<td>1-1/8</td>
<td>1/4</td>
<td>2-7/8</td>
<td>14°</td>
<td>SL-4DC</td>
</tr>
<tr>
<td>1/2</td>
<td>1-1/8</td>
<td>1/4</td>
<td>7-1/8</td>
<td>14°</td>
<td>SL-4L6DC</td>
</tr>
</tbody>
</table>

* Denotes Solid Carbide

### SM BURS - POINTED CONE SHAPE

<table>
<thead>
<tr>
<th>OD</th>
<th>LOC</th>
<th>SHK</th>
<th>OAL</th>
<th>Angle</th>
<th>Cut Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/8</td>
<td>11/32</td>
<td>1/8</td>
<td>1-1/2</td>
<td>12°</td>
<td>SM-41DC*</td>
</tr>
<tr>
<td>1/4</td>
<td>1/2</td>
<td>1/4</td>
<td>2</td>
<td>22°</td>
<td>SM-1DC*</td>
</tr>
<tr>
<td>3/8</td>
<td>5/8</td>
<td>1/4</td>
<td>2-1/2</td>
<td>14°</td>
<td>SM-4DC</td>
</tr>
<tr>
<td>1/2</td>
<td>7/8</td>
<td>1/4</td>
<td>2-5/8</td>
<td>14°</td>
<td>SM-5DC</td>
</tr>
<tr>
<td>1/2</td>
<td>7/8</td>
<td>1/4</td>
<td>6-7/8</td>
<td>14°</td>
<td>SM-5L6DC</td>
</tr>
</tbody>
</table>

* Denotes Solid Carbide
To Order
Faxed or e-mailed orders are required. Please specify quantity and EDP/Part numbers.

Minimum Orders
$50 for standard items, $200 for special orders. Orders below $50 are subject to a $7.50 handling fee.

Standard Payment Terms
Overseas customers: Prepaid.
US customers: Net 30 Days, pending credit approval, past due after 30 days from billing date.

Freight
Freight is F.O.B. Origin. Mastercut Tool Corp. offers daily service with FedEx and UPS. Shipments made Pre-Pay & Add on Mastercut’s FedEx or UPS accounts are subject to a $2.50 handling fee for domestic shipments and a $25.00 handling fee for international shipments. We are also happy to utilize any freight carrier when shipping on a collect or third-party account with no additional handling fee.

Return Policy
Standard items that Mastercut maintains in stock may be returned with a 25% restocking fee. All returns must be received within 2 months of original ship date. We are unable to accept returns on non-stock items or specials.

ADDITIONAL OFFERINGS

Special Tooling for your Requirements
When you need a non-standard tool for a specific job, give us a call. Requirements for special tooling or modifications of existing standard items will be given prompt, expert attention.

Resharpening
Mastercut Tool Corp. employs skilled craftspersons and advanced equipment to provide excellent resharp energing services. We can sharpen dull cutters, regardless of the manufacturer. This is an excellent and efficient way to get new tool performance at a fraction of the cost.