## ROUND JAWS- 1.5 mm x 60° Serrations

**FOR USE ON:** Kitagawa®, Samchully®, Strong®, MMK, SMW Autoblok, Howa & Hitachi-Seiki Chucks

- 1.5mm x 60° serrations
- Round Jaws allow for complete gripping of workpiece.
- Ideal for thin-walled or irregular shaped workpieces.
- Can be machined to fit workpiece.
- Max. length of serrations: 5.75”
- All jaws forge 2 holes
- Special “J” dimensions available
- Made in the USA

*Made in the USA*.

### Critical Dimensions

<table>
<thead>
<tr>
<th>Group</th>
<th>Tube Size</th>
<th>Width</th>
<th>Slot Size</th>
<th>Space</th>
<th>Industry Ref No</th>
</tr>
</thead>
<tbody>
<tr>
<td>K1</td>
<td>1.5 mm x 60°</td>
<td>2.500†</td>
<td>2.000</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Cast Iron & Steel

**Critical Dimensions**

<table>
<thead>
<tr>
<th>Group</th>
<th>Tube Size</th>
<th>Width</th>
<th>Slot Size</th>
<th>Space</th>
<th>Industry Ref No</th>
</tr>
</thead>
<tbody>
<tr>
<td>K1</td>
<td>1.5 mm x 60°</td>
<td>2.500†</td>
<td>2.000</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Aluminum, Cast Iron & Steel**

<table>
<thead>
<tr>
<th>Group</th>
<th>Tube Size</th>
<th>Width</th>
<th>Slot Size</th>
<th>Space</th>
<th>Industry Ref No</th>
</tr>
</thead>
<tbody>
<tr>
<td>K1</td>
<td>1.5 mm x 60°</td>
<td>2.500†</td>
<td>2.000</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**SOFT JAWS- 15 mm x 60˚ Serrations**

For use on: Kitagawa®, Samchully®, Strong®, MMK, SMW Autoblok, Howa & Hitachi-Seiki Chucks

- 1.5mm x 60˚ serrations
- Supplies maximum concentricity on finish turning operations
- All jaws have 2 holes
- Jaws can be bolted to workpiece
- Steel jaws can be hardened
- Available flat ended or pointed for smaller diameter parts
- Special orders available
- Available in Aluminum, Steel & Aircraft Aluminum (where noted)

<table>
<thead>
<tr>
<th>Critical Dimensions</th>
<th>ALUMINUM</th>
<th>STEEL</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Group No.</strong></td>
<td><strong>Choke Size</strong></td>
<td><strong>Swage Width D</strong></td>
</tr>
<tr>
<td><strong>10</strong></td>
<td>0.633 (16mm)</td>
<td>1.161 (30mm)</td>
</tr>
<tr>
<td><strong>KT-10-32</strong></td>
<td><strong>B-10</strong></td>
<td><strong>B-10</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Sanchully</strong></td>
<td><strong>MMK-10, MMK-10-1, MMK-10-2</strong></td>
<td></td>
</tr>
<tr>
<td><strong>STRONG</strong></td>
<td><strong>N10</strong>, <strong>N20</strong>, <strong>N50</strong></td>
<td></td>
</tr>
<tr>
<td><strong>MMK</strong></td>
<td><strong>PC-10-78-86</strong>, <strong>PC-10-78-87</strong>, <strong>MMK-10</strong>, <strong>MMK-10-2</strong>, <strong>MMK-10-3</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Howa</strong></td>
<td><strong>N04</strong>, <strong>N07</strong>, <strong>N09</strong>, <strong>N11</strong></td>
<td></td>
</tr>
<tr>
<td><strong>MMK</strong></td>
<td><strong>ZA-10</strong>, <strong>PC-10-78</strong>, <strong>&amp; Model 10</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Strong</strong></td>
<td></td>
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</tr>
</tbody>
</table>

For additional information or technical assistance, please contact U S Shop Tools at 800-243-7701 or sales@usshoptools.com. 2017-18 Master Catalog

**JAW NUTS & SCREWS**

<table>
<thead>
<tr>
<th>Critical Dimensions</th>
<th><strong>2 Screws Included With Each Jaw Nut</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Group Make &amp; Model</strong></td>
<td><strong>Check Size</strong></td>
</tr>
<tr>
<td><strong>Kitagawa B-10 (B-10) Stripping 10%</strong></td>
<td><strong>374</strong></td>
</tr>
<tr>
<td><strong>Kitagawa B-10 (B-10) Stripping 10%</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Kitagawa B-10 (B-10)</strong></td>
<td><strong>374</strong></td>
</tr>
<tr>
<td><strong>MMK, MMK-10 (MMK-10)</strong></td>
<td><strong>215</strong></td>
</tr>
</tbody>
</table>

For complete information on Jaws, please see pages 32-34. Yamaha models have 30-day return policy. For more information, visit our website at www.usshoptools.com.
### ROUND JAWS - 1.5 mm x 60° Serrations

**FOR USE ON:** Kitagawa®, Samchully®, Strong®, MMK, SMW Autoblok, Howa & Hitachi-Seiki Chucks

- 1.5mm x 60° serrations
- Round jaws allow for complete gripping of workpiece
- Oversized jaws available
- Ideal for thin-walled or irregular shaped workpieces.
- Can be machined to fit workpieces
- Chrome, length of serrations: 5.25" (133mm)
- Special "J" dimensions available
- Available in Aluminum, Cast Iron & Steel
- Aluminum round jaws made from solid extruded aluminum (up to 15" dia)
- Made in the USA

#### Critical Dimensions

<table>
<thead>
<tr>
<th>Group No.</th>
<th>Chuck Size</th>
<th>Groove Width</th>
<th>Screw Size</th>
<th>Hole Depth</th>
<th>Top Ht</th>
<th>Mid Ht</th>
<th>Bot Ht</th>
</tr>
</thead>
<tbody>
<tr>
<td>K1-16-32</td>
<td>1.250</td>
<td>0.750</td>
<td>12mm</td>
<td>1.500</td>
<td>4.125</td>
<td>2.000</td>
<td>0.500</td>
</tr>
</tbody>
</table>

#### Part Numbers

- **MT-100HJ2**
  - $472.46

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### HARD JAWS

- Designed for first operation roughing
- Expect standard runout between 0.005-0.010
- Conical teeth for extra gripping power and black oxide for long life
- Ideal for castings and scaly material
- Made in the USA

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### SPECIAL ORDER JAWS AVAILABLE!

- Super Quick Turnaround Time - 3 Days Or Less In Most Cases!
- Special Order Round Jaws Up To 32" dia!
- Special Order Soft Jaws Up To 6" Height!
- Soft Jaws Available In Any Length! Steel Or Aluminum
- Tongue And Groove, Square Serrated & Acme Serrated Jaws Up To 8" Height!
- Made Per Your Special Specifications In The USA! Please See Our Special Order Forms On Pages 635-640.

Please Call Today For A Quote!
**LATHE CHUCKS**

- **LIVE CENTERS**
- **VISE JAWS**
- **VISE ACCESSORIES**
- **STRAIGHT SHANK**
- **COLLET HOLDERS**
- **TAP HOLDERS**
- **DRILL CHUCKS**
- **CARBIDE INSERTS**
- **THREADING/GROOVING**
- **CUTTING TOOLS**
- **MACHINERY**
- **PRECISION TOOLS**
- **DEBURRING**
- **COOLANT/FLUIDS**
- **TOOL STORAGE**

**Critical Dimensions**

<table>
<thead>
<tr>
<th>Group</th>
<th>Critical Dimensions</th>
<th>ALUMINUM</th>
<th>STEEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>K1-10A</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**JAW NUTS & SCREWS**

- **For Best Results, Grease Your Chuck Once Per Shift!**
- **Power Chuck Lubricant**

**POWER CHUCK LUBRICANT**

- **Double to Triple Clamping Pressure.**
- **Keeps Work Piece Clamped in Place.**
- **Provides Boundary Lubrication Protection.**
- **Low Friction and Wear.**
- **Assists in Wear-In of New Chucks.**
- **Decreases Maintenance Costs.**
- **High Resistance to Centrifuge Force.**

**For Complete List of Available Chucks, See Pages 2-35.**

**US Shop Tools**

Sales: 800-243-7701 Fax: 800-342-3311 www.usshoptools.com

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