ROUND JAWS- 3.0 mm x 60° Serrations

FOR USE ON: MMK Matsumoto, Howa & Other Chucks

- 3.0mm 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 form 2 step jaws
- Oversize aluminum available
- MADE IN THE USA

Critical Dimensions

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>K3-15-20</td>
<td>14</td>
<td>1.50</td>
<td>3.00</td>
<td>1.00</td>
<td>3.00</td>
<td>14</td>
<td>$160.00</td>
</tr>
<tr>
<td>K3-15-20</td>
<td>14</td>
<td>1.50</td>
<td>3.00</td>
<td>1.00</td>
<td>3.00</td>
<td>14</td>
<td>$160.00</td>
</tr>
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<td>K3-15-20</td>
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<td>1.50</td>
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<td>1.00</td>
<td>3.00</td>
<td>14</td>
<td>$160.00</td>
</tr>
</tbody>
</table>

Features:
- 3.0mm 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 form 2 step jaws
- Oversize aluminum available
- MADE IN THE USA

Chuck Jaws

- Made in the USA
- Available in Aluminum & Cast Iron
- Special “J” dimensions available
- All jaws have 2 holes
- Max. length of serrations: 5.75"
- Can be machined to fit workpiece
- Ideal for thin-walled or irregular shaped workpieces.
- Round Jaws allow for complete gripping of workpiece
- 3.0mm x 60° serrations

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C
### SOFT JAWS- 3.0 mm x 60° Serrations

For use on: MMK Matsumoto, Howa & Other Chucks

- 3.0mm x 60° serrations
- Supplies maximum concentricity on finish turning operations
- Can be bowed or turned to fit workshop requirements
- Available unthreaded or pointed for smaller diameter parts
- Special orders available
- Available in Aluminum, Steel & Aircraft Aluminum (where noted)
- Made in the USA

### Critical Dimensions

<table>
<thead>
<tr>
<th>Group No.</th>
<th>Size</th>
<th>Screw Width</th>
<th>Screw Size</th>
<th>Hole Width</th>
<th>Hole to Jnt</th>
<th>Groove Width</th>
<th>Groove Depth</th>
<th>Length</th>
<th>No. of Holes</th>
<th>FLAT END</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>H3-12-0</td>
<td>0.472 (12mm)</td>
<td>10mm</td>
<td>0.787 (35mm)</td>
<td>1.00</td>
<td>1.017</td>
<td>1.063</td>
<td>2.780</td>
<td>2</td>
<td>H3-6150AF</td>
<td>$45.40</td>
<td></td>
</tr>
<tr>
<td>H3-12-0</td>
<td>0.551 (12mm)</td>
<td>12mm</td>
<td>0.905 (35mm)</td>
<td>2.00</td>
<td>2.200</td>
<td>1.900</td>
<td>3.750</td>
<td>2</td>
<td>H3-6250AF</td>
<td>$62.67</td>
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</tr>
<tr>
<td>H3-12-0</td>
<td>0.787 (16mm)</td>
<td>12mm</td>
<td>1.181 (35mm)</td>
<td>2.00</td>
<td>2.625</td>
<td>1.900</td>
<td>4.750</td>
<td>2</td>
<td>H3-10204AF</td>
<td>$65.66</td>
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<tr>
<td>H3-12-0</td>
<td>0.630 (16mm)</td>
<td>12mm</td>
<td>1.181 (35mm)</td>
<td>2.00</td>
<td>2.625</td>
<td>1.900</td>
<td>4.750</td>
<td>2</td>
<td>H3-10204AF</td>
<td>$65.66</td>
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<tr>
<td>H3-12-0</td>
<td>0.787 (18mm)</td>
<td>12mm</td>
<td>1.181 (35mm)</td>
<td>2.00</td>
<td>3.125</td>
<td>2.000</td>
<td>5.900</td>
<td>2</td>
<td>H3-1250AF</td>
<td>$62.67</td>
<td></td>
</tr>
</tbody>
</table>

### JAW NUTS & SCREWS

- Made in the USA
- Dimensions: 6” L x 3/4” H x 3/4” W
- Consistency—Unique design incorporates contrasting colors to give user confidence
- Self-centering, unobstructed viewing and simplicity
- Versatile—For use on CNC or manual lathes whether you are running a bar or a dedicated shop-made front collet stop for each job

### CHUCK/COLLET STOP

Handheld Lathe & Mill Vise Tool

- Adjustable Precision Gage lengths up to 3-1/2” long holding: 4.005
- Chrome plated, 19.5” in length, 2-1/8” diameter, designed shop-made front collet stops for each job
- Versatile—For use on CNC or manual lathes whether you are running a bar manually or using a bar puller
- Consistency—Unique design incorporates contrasting colors to give user confidence
- Dimensions: 6” L x 3/4” H x 3/4” W
- Made in USA

### QUANTITY DISCOUNTS!

* Under 5 Sets or More
* Add 5% Discount!

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**ROUND JAWS- 3.0 mm x 60° Serrations**

FOR USE ON: Kitagawa®, Samchully®, MMK Matsumoto, Howa & Other Chucks

- Round x 60° serrations
- Rounded jaws allow for complete gripping of workpiece
- Drilled holes allow for machining of irregular shaped workpieces
- Can be machined to fit workpiece
- Max. length of serrations: 5.75"
- All jaws have 2 holes
- Special "J" dimensions available
- Available in Aluminum & Cast Iron
- Made in the USA

**GROUP K3**

**Critical Dimensions**

<table>
<thead>
<tr>
<th>Group No.</th>
<th>Check Size</th>
<th>Groove Width</th>
<th>Screw Size</th>
<th>Hole to Front</th>
<th>Pie Dia</th>
<th>Height Inch</th>
<th>Industry Ref#</th>
</tr>
</thead>
<tbody>
<tr>
<td>K3-22-66</td>
<td>15</td>
<td>0.827 (20mm)</td>
<td>0.026</td>
<td>1.969 ( Alive)</td>
<td>20mm</td>
<td>1.575</td>
<td></td>
</tr>
<tr>
<td>K3-15-66</td>
<td>15</td>
<td>0.827 (20mm)</td>
<td>0.026</td>
<td>2.360 ( Alive)</td>
<td>20mm</td>
<td>4.000</td>
<td></td>
</tr>
<tr>
<td>K3-18-24</td>
<td>18-24</td>
<td>0.994 (25mm)</td>
<td>0.026</td>
<td>2.360 ( Alive)</td>
<td>20mm</td>
<td>4.000</td>
<td></td>
</tr>
<tr>
<td>K3-15-24</td>
<td>24</td>
<td>0.994 (25mm)</td>
<td>0.026</td>
<td>3.730 ( Alive)</td>
<td>20mm</td>
<td>3.050</td>
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</tr>
</tbody>
</table>

**End Mills, Drills**
- Indexable Drills
- Taps & Reamers
- ER, DA, TG Collets
- Machine Vises
- Lathe Workholding
- Measuring Tools
- Turning & Boring
- Abrasives
- MRO & Safety

**Round Jaw Material:**
- For Aluminum Casting T6
- For Steel: 4140, 1018 & Larger: Aluminum Casting T6

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**2019-20 MASTER CATALOG**

**Call Us Today For All Of Your Machine Tool Needs!**
**SOFT JAWS- 3.0 mm x 60° Serrations**

FOR USE ON: Kitagawa®, Samchully®, MMK Matsumoto, Howa & Other Chucks

- 3.0 mm x 60° serrations
- Machine/engrave/conform to workpiece
- Can be bored or turned to fit workpiece
- Same jaws can be hardened
- Available flat ended or pointed for smaller diameter parts
- Special orders available
- Made in the USA

**Critical Dimensions**

<table>
<thead>
<tr>
<th>Check No.</th>
<th>Group</th>
<th>Check Size</th>
<th>Width</th>
<th>Height</th>
<th>Flattened A</th>
<th>Flattened B</th>
<th>Length</th>
<th>Screw No.</th>
<th>Price/Flat End</th>
<th>Price/Per Set</th>
</tr>
</thead>
<tbody>
<tr>
<td>K3-21-40</td>
<td>15</td>
<td>0.827 (20mm)</td>
<td>16 mm</td>
<td>1.575 (40mm)</td>
<td>3.0 mm (3.0 mm)</td>
<td>2.00 (0.50)</td>
<td>6.00 (5.00)</td>
<td>2</td>
<td>M20-2.50 x 50mm</td>
<td>$124.75</td>
</tr>
<tr>
<td>K3-21-51</td>
<td>15 - 18</td>
<td>0.866 (20mm)</td>
<td>1.950 (40mm)</td>
<td>3.0 mm (3.0 mm)</td>
<td>2.00 (0.50)</td>
<td>6.00 (5.00)</td>
<td>2</td>
<td>M20-2.50 x 50mm</td>
<td>$124.75</td>
<td>$364.45</td>
</tr>
<tr>
<td>K3-21-60</td>
<td>15 - 21</td>
<td>0.900 (20mm)</td>
<td>2.000 (40mm)</td>
<td>3.0 mm (3.0 mm)</td>
<td>2.00 (0.50)</td>
<td>6.00 (5.00)</td>
<td>2</td>
<td>M20-2.50 x 50mm</td>
<td>$124.75</td>
<td>$364.45</td>
</tr>
</tbody>
</table>

**FOR USE ON**

Kitagawa, B-21, B-24, MMK, K-3 Series: Group K3-21-40 - K3-21-60

Samchully: Group K3-21-51

Kakime, MMK, K-2 Series: Group K3-21-60

**For complete list of applicable chucks, see pages 542-554. * denotes non-stock item. Please allow 1 week manufacturing time.**