Huge Savings on a 6-Pack

1. Select 6 Collet Chucks
2. Choose A Collet Set
3. Save $$

Promo Code 6PAK40
Sale Price: $955.00

Possible savings of up to $1,062.70

(Promo not eligible for online ordering. Please be sure to include the promo code when sending or calling in your order.)

### CAT40 ER Collet Chucks

- Threaded through holes for a back-up screw (tool stop) or coolant through when removed
- Factory balanced to save spindle life, tool life, and increase productivity
- DIN coolant option - standard
- All Ground Body
- 100% Forged Construction
- Wrench not included

<table>
<thead>
<tr>
<th>Description</th>
<th>Code No.</th>
<th>List $</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAT40 ER16 x 2.50”</td>
<td>531-406</td>
<td>236.80</td>
</tr>
<tr>
<td>CAT40 ER16 x 3.50”</td>
<td>531-408</td>
<td>236.80</td>
</tr>
<tr>
<td>CAT40 ER20 x 2.50”</td>
<td>531-412</td>
<td>235.50</td>
</tr>
<tr>
<td>CAT40 ER20 x 4”</td>
<td>531-414</td>
<td>241.20</td>
</tr>
<tr>
<td>CAT40 ER25 x 2.50”</td>
<td>531-418</td>
<td>236.80</td>
</tr>
<tr>
<td>CAT40 ER25 x 4”</td>
<td>531-420</td>
<td>257.80</td>
</tr>
<tr>
<td>CAT40 ER32 x 2.50”</td>
<td>531-421</td>
<td>253.20</td>
</tr>
<tr>
<td>CAT40 ER32 x 3.13”</td>
<td>531-424</td>
<td>265.80</td>
</tr>
</tbody>
</table>

### ER Collet Sets

<table>
<thead>
<tr>
<th>Description</th>
<th>Code No.</th>
<th>List $</th>
</tr>
</thead>
<tbody>
<tr>
<td>ER16 11pc 1/16” - 3/8”</td>
<td>337-440</td>
<td>215.00</td>
</tr>
<tr>
<td>ER25 17pc 1/8” - 5/8”</td>
<td>337-442</td>
<td>239.40</td>
</tr>
<tr>
<td>ER32 21pc 1/8” - 3/4”</td>
<td>337-444</td>
<td>422.90</td>
</tr>
</tbody>
</table>

Distributed by: UNITED TOOL SUPPLY LTD.
DIN 6343 Precision Collets have a runout of 20-30 microns (0.02 - 0.03mm).
GS High Precision Collets have a runout of 10-20 microns (0.01 - 0.02mm).
The new GS Extreme Precision AA Collets have a runout of only 5 microns (0.005mm).

Features & Benefits:
- 12 slots instead of 16 allows sufficient collapse while increasing the area of contact with less tendency to distort.
- All edges are deburred and rounded to promote good interface with the taper of the chuck without the tendency to damage it. This results in more consistent repeatability.
- Collets are polished to eliminate blemishes that promote corrosion. Better corrosion resistance will result in longer product life of both the collet and the holder.
- Highly polished OD surfaces reduce the amount of force absorbed by friction between the collet and the collet chuck seat, increasing the grip force on the cutting tool. The inside bore of the collet is intentionally left unpolished to increase the friction between the collet and the cutting tool shank.
- Maximized Concentricity
- Evenly distributed cutting edges for high performance machining
- Minimized variation of cutting edges
- Consistent cutting profiles ensure the job stays within desired tolerances
- Improve system performance and lower cost per piece when used with quality GS chucks

The result of an improved AA collet in a quality GS chuck is increased gripping force, improved rigidity, decreased runout, and a renewed confidence in your collet chuck system.
Fixed Right Angle Heads

<table>
<thead>
<tr>
<th>Taper</th>
<th>Model</th>
<th>Collet System</th>
<th>End Drill Cap</th>
<th>Tap Size Capacity</th>
<th>Max R.P.M.</th>
<th>Code No.</th>
<th>SALE $</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAT40</td>
<td>GFX07</td>
<td>ER11</td>
<td>7mm</td>
<td>M6</td>
<td>10,000</td>
<td>381-000</td>
<td>6,649.23</td>
</tr>
<tr>
<td>CAT40</td>
<td>GFX07L</td>
<td>ER11</td>
<td>7mm</td>
<td>M6</td>
<td>10,000</td>
<td>381-300</td>
<td>7,962.29</td>
</tr>
<tr>
<td>CAT40</td>
<td>GFX10</td>
<td>ER16</td>
<td>10mm</td>
<td>M8</td>
<td>10,000</td>
<td>381-020</td>
<td>5,469.59</td>
</tr>
<tr>
<td>CAT40</td>
<td>GFX10L</td>
<td>ER16</td>
<td>10mm</td>
<td>M8</td>
<td>10,000</td>
<td>381-320</td>
<td>8,333.35</td>
</tr>
<tr>
<td>CAT40</td>
<td>GFX16</td>
<td>ER25</td>
<td>16mm</td>
<td>M12</td>
<td>8,000</td>
<td>381-100</td>
<td>6,192.97</td>
</tr>
<tr>
<td>CAT40</td>
<td>GFX16L</td>
<td>ER25</td>
<td>16mm</td>
<td>M12</td>
<td>8,000</td>
<td>381-400</td>
<td>10,004.82</td>
</tr>
<tr>
<td>CAT50</td>
<td>GFX10L</td>
<td>ER16</td>
<td>10mm</td>
<td>M8</td>
<td>10,000</td>
<td>381-322</td>
<td>8,333.35</td>
</tr>
<tr>
<td>CAT50</td>
<td>GFX16</td>
<td>ER16</td>
<td>16mm</td>
<td>M12</td>
<td>8,000</td>
<td>381-102</td>
<td>6,192.97</td>
</tr>
<tr>
<td>CAT50</td>
<td>GFX20</td>
<td>ER32</td>
<td>20mm</td>
<td>M16</td>
<td>4,000</td>
<td>381-148</td>
<td>7,079.24</td>
</tr>
<tr>
<td>CAT50</td>
<td>GFX20L</td>
<td>ER32</td>
<td>20mm</td>
<td>M16</td>
<td>4,000</td>
<td>381-448</td>
<td>10,727.01</td>
</tr>
</tbody>
</table>

Pivoting Angle Heads

<table>
<thead>
<tr>
<th>Taper</th>
<th>Model</th>
<th>Collet System</th>
<th>End Drill Cap</th>
<th>Tap Size Capacity</th>
<th>Max R.P.M.</th>
<th>Code No.</th>
<th>SALE $</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAT40</td>
<td>GPV/16</td>
<td>ER25</td>
<td>16mm</td>
<td>M12</td>
<td>4,000</td>
<td>381-270</td>
<td>7,256.48</td>
</tr>
<tr>
<td>CAT50</td>
<td>GPV/13</td>
<td>ER20</td>
<td>13mm</td>
<td>M10</td>
<td>4,000</td>
<td>381-200</td>
<td>6,896.36</td>
</tr>
<tr>
<td>CAT50</td>
<td>GPV/20</td>
<td>ER32</td>
<td>20mm</td>
<td>M16</td>
<td>4,000</td>
<td>381-150</td>
<td>9,115.75</td>
</tr>
<tr>
<td>BT40</td>
<td>GPV/16</td>
<td>ER25</td>
<td>16mm</td>
<td>M12</td>
<td>4,000</td>
<td>381-274</td>
<td>7,256.48</td>
</tr>
</tbody>
</table>

3-Jaw Cast Iron Scroll Chucks - 2pc Hard Rev. Jaws

These chucks are designed for all types of workshop machining operations on conventional lathes and milling fixtures.
- Smart design allowing inner parts to be replaced quickly

<table>
<thead>
<tr>
<th>Model</th>
<th>Chuck Dia.</th>
<th>Weight (lbs)</th>
<th>Code No.</th>
<th>SALE $</th>
</tr>
</thead>
<tbody>
<tr>
<td>VFR-10</td>
<td>10&quot;</td>
<td>3.2</td>
<td>326-265</td>
<td>435.26</td>
</tr>
</tbody>
</table>

Kitagawa Power Chuck Jaws

Models B, BT, B200, BT200, H0H, H0B, N, NL
- 1.5mm x 60° Serrated

<table>
<thead>
<tr>
<th>Chuck Dia.</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>K</th>
<th>Screw Size</th>
<th>Set of 3</th>
<th>Code No.</th>
<th>SALE $</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot;</td>
<td>70</td>
<td>38</td>
<td>25</td>
<td>12</td>
<td>20</td>
<td>M10</td>
<td>656-050</td>
<td>48.79</td>
<td></td>
</tr>
<tr>
<td>8&quot;</td>
<td>90</td>
<td>50</td>
<td>38</td>
<td>14</td>
<td>25</td>
<td>M12</td>
<td>656-055</td>
<td>66.36</td>
<td></td>
</tr>
<tr>
<td>10&quot;</td>
<td>120</td>
<td>50</td>
<td>38</td>
<td>16</td>
<td>30</td>
<td>M12</td>
<td>656-060</td>
<td>76.79</td>
<td></td>
</tr>
</tbody>
</table>

Horizontal & Vertical Rotary/Dividing Table

- This HV Type Rotary Table is so designed as to permit machining operations at a higher dimension than that of RT Type rotary tables
- The base can be used in a vertical position to enable it to carry out centre work

<table>
<thead>
<tr>
<th>Model</th>
<th>Table OD</th>
<th>Base Dim.</th>
<th>T-Slot Width</th>
<th>Centre Sleeve</th>
<th>Code No.</th>
<th>SALE $</th>
</tr>
</thead>
<tbody>
<tr>
<td>HV-6</td>
<td>150mm</td>
<td>200x160mm</td>
<td>11mm</td>
<td>MT2</td>
<td>326-500</td>
<td>626.15</td>
</tr>
</tbody>
</table>

WE INVITE ALL INQUIRIES
**IP67 Coolant Proof Digital Calipers**
- Resolution: 0.0005” / 0.01mm
- Hold function for easy reading
- Absolute and incremental measuring modes
- Inch/Metric conversion
- Metal Housing: the design will allow the caliper to be used in normal workshop conditions and is resistant to coolant, water, dust, and oil

<table>
<thead>
<tr>
<th>Range</th>
<th>Accuracy</th>
<th>Code No.</th>
<th>SALE $</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-6&quot;/0-150mm</td>
<td>±0.001”/0.02mm</td>
<td>7305062</td>
<td>147.65</td>
</tr>
<tr>
<td>0-8&quot;/0-200mm</td>
<td>±0.0015”/0.03mm</td>
<td>7305082</td>
<td>226.25</td>
</tr>
<tr>
<td>0-12&quot;/0-300mm</td>
<td>±0.0015”/0.03mm</td>
<td>7305122</td>
<td>272.45</td>
</tr>
</tbody>
</table>

**Absolute Digital Calipers**
- Resolution: 0.0005” / 0.01mm
- Absolute and Incremental modes available
- Inch/Metric conversion
- A thumb wheel is provided for easy use

<table>
<thead>
<tr>
<th>Range</th>
<th>Accuracy</th>
<th>Code No.</th>
<th>SALE $</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-6&quot;/0-150mm</td>
<td>±0.001”/0.02mm</td>
<td>7307583</td>
<td>102.70</td>
</tr>
<tr>
<td>0-8&quot;/0-200mm</td>
<td>±0.0015”/0.03mm</td>
<td>7307583</td>
<td>129.60</td>
</tr>
<tr>
<td>0-12&quot;/0-300mm</td>
<td>±0.0015”/0.03mm</td>
<td>7307623</td>
<td>168.45</td>
</tr>
</tbody>
</table>

**Digital Calipers**
- Resolution 0.0005” / 0.01mm
- The origin position is retained through the on/off cycle
- Inch/Metric conversion

<table>
<thead>
<tr>
<th>Range</th>
<th>Accuracy</th>
<th>Code No.</th>
<th>SALE $</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-6&quot;/0-150mm</td>
<td>±0.001”/0.02mm</td>
<td>7307065</td>
<td>48.55</td>
</tr>
<tr>
<td>0-8&quot;/0-200mm</td>
<td>±0.0015”/0.03mm</td>
<td>7307085</td>
<td>71.75</td>
</tr>
<tr>
<td>0-12&quot;/0-300mm</td>
<td>±0.0015”/0.03mm</td>
<td>7307125</td>
<td>107.55</td>
</tr>
</tbody>
</table>

**Dial Calipers**
- Graduation: 0.001”
- Stainless steel construction with all measuring surfaces surface-hardened
- The dual pinion mechanism offers ultra smooth feel
- Preloaded pinion offers better repeatability
- Thumbwheel

<table>
<thead>
<tr>
<th>Range</th>
<th>Accuracy</th>
<th>Code No.</th>
<th>SALE $</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-6”</td>
<td>±0.001”</td>
<td>7303061</td>
<td>48.05</td>
</tr>
<tr>
<td>0-8”</td>
<td>±0.0015”</td>
<td>7303081</td>
<td>83.70</td>
</tr>
<tr>
<td>0-12”</td>
<td>±0.0015”</td>
<td>7303121</td>
<td>111.65</td>
</tr>
</tbody>
</table>

**Economical Digital Outside Micrometers**
- Resolution: 0.000024” / 0.06µm
- Carbide tipped measuring faces
- Spindle dia.: 0.25”
- Friction thimble
- Inch/Metric conversion
- Absolute or incremental measuring modes
- Ball Anvil included

<table>
<thead>
<tr>
<th>Range</th>
<th>Accuracy</th>
<th>Code No.</th>
<th>SALE $</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-1”/0-25mm</td>
<td>±0.0001”/0.002mm</td>
<td>7305062</td>
<td>147.65</td>
</tr>
<tr>
<td>0-2”/0-50mm</td>
<td>±0.00015”/0.003mm</td>
<td>7305082</td>
<td>226.25</td>
</tr>
<tr>
<td>0-2-1/0-50mm</td>
<td>±0.00015”/0.003mm</td>
<td>7305122</td>
<td>272.45</td>
</tr>
</tbody>
</table>

**IP65 Digital Outside Micrometer w/ SPC**
- Resolution: 0.00005” / 0.001mm
- Scale: 0.001”
- Dual Ratchet combines both the Ratchet Stop and Friction Thimble
- Protection level IP65
- Automatic On/Off to maximize battery life
- Inch/Metric conversion
- Absolute or incremental measuring modes
- Carbide tipped measuring faces

<table>
<thead>
<tr>
<th>Range</th>
<th>Accuracy</th>
<th>Code No.</th>
<th>SALE $</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-1”/0-25mm</td>
<td>±0.0001”/0.002mm</td>
<td>7305062</td>
<td>147.65</td>
</tr>
<tr>
<td>0-2”/0-50mm</td>
<td>±0.00015”/0.003mm</td>
<td>7305082</td>
<td>226.25</td>
</tr>
<tr>
<td>0-2-1/0-50mm</td>
<td>±0.00015”/0.003mm</td>
<td>7305122</td>
<td>272.45</td>
</tr>
</tbody>
</table>

**Outside Micrometers**
- Flatness: 0.000024” / 0.06µm
- Carbide tipped measuring faces
- Grey painted steel frame
- Graduation: 0.0001”
- Ratchet Stop

<table>
<thead>
<tr>
<th>Range</th>
<th>Accuracy</th>
<th>Code No.</th>
<th>SALE $</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-1”</td>
<td>±0.0001”</td>
<td>7101013</td>
<td>31.15</td>
</tr>
<tr>
<td>1-2”</td>
<td>±0.0002”</td>
<td>7101023</td>
<td>34.75</td>
</tr>
</tbody>
</table>

**SETS**

<table>
<thead>
<tr>
<th>Range</th>
<th>Code No.</th>
<th>SALE $</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-3”</td>
<td>7101637</td>
<td>91.30</td>
</tr>
<tr>
<td>0-6”</td>
<td>7101667</td>
<td>304.60</td>
</tr>
</tbody>
</table>

**AGD2 Dial Indicator**
- Dial face dia.: 2.20”/58mm
- Internal tolerance marker
- Flat back (attached) and lug back supplied
- With counter pointer
- Dial Reading: 0-100
- Range/Rev: 0.1”
- Accuracy: ±0.002”

<table>
<thead>
<tr>
<th>Range</th>
<th>Graduation</th>
<th>Code No.</th>
<th>SALE $</th>
</tr>
</thead>
<tbody>
<tr>
<td>1”</td>
<td>0.001”</td>
<td>7402261</td>
<td>28.85</td>
</tr>
</tbody>
</table>

---

**ASIMETO PRECISION TOOLS**

www.sowatool.com
**Centering Indicator**

- Graduation: 0.0005”
- Provides a simplified method of centering a work piece or fixture on horizontal for vertical machines, internal or external diameters. Face of indicator remains stationary in any desired position while the machine spindle rotates, leaving the operator with both hands free to accurately position the machine table.
- Shank Dia.: 3/8”
- Operating speed not to exceed 800rpm
- Range: Internal: 5/32” - 12”
  External: Up to 12”

<table>
<thead>
<tr>
<th>Dial Range</th>
<th>Accuracy</th>
<th>Code No.</th>
<th>SALE $</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.0 - 6.0”</td>
<td>±0.005”</td>
<td>7469008</td>
<td>156.60</td>
</tr>
</tbody>
</table>

**Dial Bore Gauge**

- Moveable probe pin with carbide ball
- Graduation is 0.0001”
- 11 anvils, 1 sub-anvil, 4 spacers

<table>
<thead>
<tr>
<th>Range</th>
<th>Dial Travel</th>
<th>Probe Depth</th>
<th>Code No.</th>
<th>SALE $</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.0 - 6.0”</td>
<td>0.05” (AGD2)</td>
<td>6”</td>
<td>7483311</td>
<td>156.60</td>
</tr>
</tbody>
</table>

**Dial Test Indicator Sets**

- Graduation: 0.0005”
- Jeweled bearings
- Comes with Ø3/8” dovetail stems
- Easy to read yellow face
- Carbide tipped contact point
- 1.26” dia. dial face

<table>
<thead>
<tr>
<th>Range</th>
<th>Accuracy</th>
<th>Code No.</th>
<th>SALE $</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-0.15”</td>
<td>±0.0002”</td>
<td>7469008</td>
<td>179.15</td>
</tr>
</tbody>
</table>

**Articulating Arm Magnetic Bases**

- Dial gauges can be held by the 3/8” or 8mm diameter stem or by the lug backing plate
- Arm has 3 articulating joints that can be locked with the single hand knob
- The precision surfaces and the bottom V are securely fastened to the ferrous work piece or machine table when the rotary knob is in the On position
- Working angle 150º

<table>
<thead>
<tr>
<th>Power</th>
<th>Base</th>
<th>Height</th>
<th>Code No.</th>
<th>SALE $</th>
</tr>
</thead>
<tbody>
<tr>
<td>80kg</td>
<td>60x50x55mm</td>
<td>350mm</td>
<td>7602021</td>
<td>98.60</td>
</tr>
<tr>
<td>80kg</td>
<td>60x50x55mm</td>
<td>440mm</td>
<td>7602031</td>
<td>129.65</td>
</tr>
</tbody>
</table>

**Magnetic Bases**

- Accepts test indicators with dovetail clamping mechanism
- Dial gauges can be held by the 3/8” or 8mm diameter stem or by the lug backing plate
- The rotary knob switches natural magnet On or Off
- The precision surfaces and the bottom V are securely fastened to the ferrous work piece or machine table when the rotary knob is in the On position
- #7601021 with Fine Adjustment

<table>
<thead>
<tr>
<th>Power</th>
<th>Base</th>
<th>Main Stem</th>
<th>Code No.</th>
<th>SALE $</th>
</tr>
</thead>
<tbody>
<tr>
<td>80kg</td>
<td>60x50x55mm</td>
<td>ø12mm</td>
<td>7601011</td>
<td>25.45</td>
</tr>
<tr>
<td>80kg</td>
<td>60x50x55mm</td>
<td>ø12mm</td>
<td>7601021</td>
<td>23.55</td>
</tr>
</tbody>
</table>
Noga Mag Base / STM Indicator Combos

**MG66161 (165-501)**
- **MG HOLDER WITH DOUBLE FINE ADJUSTMENT**
  - New double fine adjustment
  - Bottom: unique single direction
  - Top: universal swivel clamp
  - Holds 6mm, 8mm, 3/8", dovetail, and lug back
  - Five axis holder
  - Unique central locking mechanism with Noga designed spring loaded bearing
  - Powerful magnetic base 80kgf

**DIAL INDICATOR (200-010)**
- 1", 0 - 100, 0.001"
- Reverse counter
- Stainless steel components
- Rotating bezel with clamp
- Lugback (1/4" hole)
- Interchangeable point
- Conforms to AGD 2 standards
- Teclock Style

**DIAL INDICATOR (200-718)**
- 1/2", 0 - 100, 0.001"
- Reverse counter
- Stainless steel components
- Rotating bezel with clamp
- Lugback (1/4" hole)
- Interchangeable point
- Conforms to AGD 2 standards

**Code No.: 500-771**
**$233.74**

**DG1033 (165-350)**
- 11" reach
- Noga central locking mechanism with Noga designed spring loaded bearing
- Powerful On/Off magnetic base (80kgf)
- Dial gauge holder is three-dimensional

**Code No.: 500-334**
**$178.62**

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**Promo “N” Set - NG8000**
For Steel, Aluminum, Plastic
Contains: NogaGrip-2 handle
10pcs N1 blades

**Promo “S” Set - NG8150**
For Steel, Aluminum, Plastic
Contains: NogaGrip-1 handle
10pcs S10 blades

**“N” EconomY Set - NG8050**
For Steel, Aluminum, Plastic
Contains: NogaGrip-2 handle
20pcs N1 blades

**“N” Cobalt Set - NG8100**
For Plastic & Hard Materials
Contains: NogaGrip-2 handle
20pcs N10 Cobalt blades

**“S” Golden Set - NG8152 TiN**
For Abrasive Materials
Contains: NogaGrip-1 handle
10pcs S10 TiN coated blades

**“N” Golden Set - NG8002 TiN**
For Steel, Aluminum, Plastic
Contains: NogaGrip-2 handle
10pcs N1 TiN coated blades

Ask for our new Noga Brochure or download it from SowaTool.com
PT22C INSERTS

STEEL TURNING CVD GRADE

- Good surface roughness and welding resistance.
- Oxidation resistance at high temperatures and plastic deformation resistance.
- Excellent chipping resistance due to improved adhesion.
- Fine coating layer with toughness and wear resistance.
- Exclusive substrate material to improve wear resistance.

Just a small sample of a wide range of geometries & chip breakers

**CCMT32.52-F2P**
- Excellent chip control at shallow depth of cut and low feed rate.
- Suitable for stainless steel cutting.
- Code No.: 148-738
- $7.74

**CNMG432-M**
- Wide available chip control range from medium-finishing to medium-roughing.
- Suitable chip breaker for CNC machining.
- Code No.: 146-677
- $9.12

**CNMM433-R3**
- Specially designed tough cutting edge provides superior cutting performance at deep depth of cut and fast feed rate.
- Smooth chip flow and reduced cutting force.
- Code No.: 146-663
- $8.34

**DCMT32.51-F2P**
- Excellent chip control at shallow depth of cut and low feed rate.
- Suitable for stainless steel cutting.
- Code No.: 148-736
- $9.60

**DNMG432-M1**
- Wide available chip control range from medium-finishing to medium-roughing.
- Suitable chip breaker for CNC machining.
- Code No.: 145-652
- $11.16

**KNUX160405-R11**
- Suitable for general cutting conditions.
- Code No.: 148-677
- $14.46

**SCMT32.52-F3P**
- Excellent chip control at shallow depth of cut and low feed rate.
- Excellent surface finish due to reduced cutting force. Suitable for fine boring.
- Code No.: 146-554
- $7.32

**TCMT32.52-F3P**
- Excellent chip control at shallow depth of cut and low feed rate. Excellent surface finish due to reduced cutting force. Suitable for fine boring.
- Code No.: 148-707
- $8.88

**TNMG332-M**
- Wide available chip control range from medium-finishing to medium-roughing.
- Suitable chip breaker for CNC machining.
- Code No.: 148-764
- $7.98

**TNMG431-M**
- Wide available chip control range from medium-finishing to medium-roughing.
- Suitable chip breaker for CNC machining.
- Code No.: 146-572
- $11.28

**WNMG432-M**
- Wide available chip control range from medium-finishing to medium-roughing.
- Suitable chip breaker for CNC machining.
- Code No.: 148-773
- $9.12

For more information about the PT22C insert, call today to get a copy of our tech brochure or download it at www.sowatool.com.
**Multi-tasking Vises**

**Tool Box**

- ABS plastic
- Two levered trays

**Precision Lock-Well II Milling Vises**

This slightly modified version of the famous AUTO-WELL Lock-Well vise has features including the exclusive LOCK DOWN principle which guarantees that the movable jaw stays securely down during machining.

<table>
<thead>
<tr>
<th>Model No.</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>a</th>
<th>b</th>
<th>c</th>
<th>d</th>
<th>e</th>
<th>f</th>
<th>Weight</th>
<th>Code No.</th>
<th>SALE $</th>
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<tbody>
<tr>
<td>AMC-40</td>
<td>102</td>
<td>40</td>
<td>120</td>
<td>332</td>
<td>105</td>
<td>108</td>
<td>68</td>
<td>100</td>
<td>372</td>
<td>20 kg</td>
<td>327-150</td>
<td>711.90</td>
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<td>AMC-60</td>
<td>152</td>
<td>44</td>
<td>146</td>
<td>370</td>
<td>154</td>
<td>117</td>
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<td>111</td>
<td>438</td>
<td>30 kg</td>
<td>327-155</td>
<td>905.10</td>
</tr>
</tbody>
</table>

**Precision Milling Machine Vise**

- Vises are matched (bed height: 2.875”)
- Interchangeable soft jaws
- Chip cover protects leadscrew from damage
- An integral key and large fasteners reduce deflection by 50%

8” X 10” Opening: $1,522.08 - Code # 327-300

**Multi-tasking 5-Axis Modular Vises**

The MULTITASKING range of vises has been specially designed for 5-axis machines. Working on 5 sides of the workpiece, it allows the best optimization of the machining cycle. Thanks to the compact design this kind of vise can be installed on all machining centers. The use of GRIP jaws is strongly recommended with multitasking vises.

- Self-centering or eccentric
- Eccentric jaw adjustment in steps of 2mm
- Highest accuracy in positioning and alignment (±0.02mm) due to ground rack teeth on both the base and the fixed jaws
- Minimum deflection
- Solid, rigid construction and maximum clamping ratio to the total length
- Positioning through ground holes or keyways
- All case hardened to HRC60 for durability

**Type 3**

Vise shown with riser

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**Pricing valid from January 1 to March 31, 2019 or while quantities last.**

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