A line of precision, high performance geared head and variable speed lathes.

Variable Speed Lathes
13", 15", 18", 21", 26" and 32" Swing

Geared Head Lathes
13" and 15" Swing
**Features**

- State-of-the-art AC Spindle Drive features surface mount technology to give compact size and high reliability
- Interlocked end guard door for easy access for maintenance and changing end train gears
- Faster thread cutting — reversal of the leadscrew with the spindle running at low speed
- An easy-to-read index plate, makes it simple to select the proper feed or threads
- Three headstock gear ranges produce a wide spread of constant power — 33 to 1 — better than most CNC lathes
- Infinitely variable spindle speeds displayed on headstock
- Dynamic spindle brake via the inverter
- Spindle bearings, gears and shafts are lubricated by a forced lubrication system
- Precision tapered roller spindle bearings

- Chuck guard with limit switch
- Carriage ways coated with “Moglice” PTFE for minimal bedwear and longer machine life
- Saddle mounted chip guard and full rear splash guard
- Extra wide heavy-duty cast iron bed with triangular webs for torsional stiffness and excellent chip clearance
- Heavy-duty tailstock with extra heavy-duty quill
- Single piece leadscrew cover protects leadscrew from chips
- Large capacity rollout chip bin for easy chip disposal
- All bedways are induction hardened and precision ground
- Heavyweight cast iron bases provide the maximum support for the bed combined with sloping top surfaces to prevent the accumulation of coolant
- 13” and 15” machines have 25” or 50” center distances

**CLAUSING/COLCHESTER 13” (320MM)**

Extra heavy-duty wide bed gives our machines the capability of withstanding heavy use and excellent durability with minimum maintenance over many years.
CLAUSING/COLCHESTER 18" (460MM) 21" (554MM)

Features
- State-of-the-art AC Spindle Drive features surface mount technology to give compact size and high reliability
- Interlocked end guard door for easy access for maintenance and changing end train gears
- Faster thread cutting — reversal of the leadscrew with the spindle running at low speed
- An easy-to-read index plate makes it simple to select the proper feed or threads
- Three headstock gear ranges produce a wide spread of constant power — 33 to 1 — better than most CNC lathes
- Infinitely variable spindle speeds displayed on headstock
- Dynamic spindle brake via the inverter
- Spindle bearings, gears and shafts are lubricated by a forced lubrication system
- Precision tapered roller spindle bearings
- Chuck guard with limit switch
- Carriage ways coated with “Moglice” PTFE for minimal bedwear and longer machine life
- Saddle mounted chip guard and full rear splash guard
- Extra wide heavy-duty cast iron bed with triangular webs for torsional stiffness and excellent chip clearance
- 2 axis power rapid traverse available from one lever mounted on saddle
- Heavy-duty tailstock with extra heavy-duty quill
- Single piece leadscrew cover protects leadscrew from chips
- Large capacity rollout chip bin for easy chip disposal
- All bedways are induction hardened and precision ground
- Heavyweight cast iron bases provide the maximum support for the bed combined with sloping top surfaces to prevent the accumulation of coolant
- 18” machines have 40”, 60” or 80” center distances and 21” machines have 40”, 60”, 80”, or 120” center distances

Extra heavy-duty wide bed gives our machines the capability of withstanding heavy use and excellent durability with minimum maintenance over many years.
Clausing/Colchester Geared Head Lathes are the industry standard... because the quality built into every machine translates into real long-term performance in your application. Rugged construction, consistent quality in design and production and the “human engineering” which makes the operator more efficient, all make this lathe a cost-effective investment. You will get unbelievable machine performance with the Clausing/Colchester Geared Head Lathes. Take a look at these features:

**Features**

- Fully-Geared headstock having:
  - 13” machine — 12 spindle speeds with 40–2500 rpm
  - 15” machine — 16 spindle speeds with 25–2000 rpm
- All headstock gears are hardened and ground
- Headstock shafts are splined and turn on anti-friction bearings
- Spindle bearings, gears and shafts are lubricated by a forced lubrication system
- A broad range of feed and thread selections are available by using three selector levers and an 8-position rotary dial
- Cross slide runs along a dovetail guide
- Precision tapered roller spindle bearings
- Bed wipers and an apron mounted one-shot lubrication pump
- The cast iron apron is totally enclosed and splash bath lubricated
- Electromagnetic spindle brake
- 13” machines have 25” or 40” center distances, 15” machines have 25” or 50” center distances
- Equipped with chuck guard, full splash guard and leadscrew cover
- Clutch drive, reverse leadscrew with spindle turning for faster thread cutting
- Extra wide bed provides accuracy and minimal wear
- A one year warranty backed by the Clausing Service Center dedicated to support our customers with parts and service
SPECIFICATIONS

MODEL* (Model # See Below)

<table>
<thead>
<tr>
<th>CAPACITY</th>
<th>13” VS</th>
<th>15” VS</th>
<th>18” VS</th>
<th>21” VS</th>
<th>13” GH</th>
<th>15” GH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height of Center</td>
<td>6.7” (170mm)</td>
<td>7.6” (195mm)</td>
<td>9.0” (229mm)</td>
<td>11.02” (280mm)</td>
<td>6.5” (167mm)</td>
<td>7.68” (195mm)</td>
</tr>
<tr>
<td>Swing Over Bed</td>
<td>13.75” (350mm)</td>
<td>15.75” (400mm)</td>
<td>18.1” (460mm)</td>
<td>21.81” (544mm)</td>
<td>13” (330mm)</td>
<td>15.75” (400mm)</td>
</tr>
<tr>
<td>Swing in Gap</td>
<td>21” (533mm)</td>
<td>23” (584mm)</td>
<td>28.74” (730mm)</td>
<td>32.68” (830mm)</td>
<td>18.5” (480mm)</td>
<td>23” (585mm)</td>
</tr>
<tr>
<td>Width in Front of Faceplate</td>
<td>6.5” (165mm)</td>
<td>6.5” (165mm)</td>
<td>8.5” (216mm)</td>
<td>8.5” (216mm)</td>
<td>4.5” (115mm)</td>
<td>6.5” (165mm)</td>
</tr>
<tr>
<td>Swing Over Cross Slide</td>
<td>7.75” (197mm)</td>
<td>9.7” (246mm)</td>
<td>10.62” (261mm)</td>
<td>14.57” (370mm)</td>
<td>8.26” (210mm)</td>
<td>9.7” (246mm)</td>
</tr>
<tr>
<td>Bedway Width</td>
<td>12.5” (318mm)</td>
<td>12.5” (318mm)</td>
<td>15.75” (400mm)</td>
<td>15.75” (400mm)</td>
<td>8” (203mm)</td>
<td>12.5” (318mm)</td>
</tr>
</tbody>
</table>

HEADSTOCKS

| Spindle Bore | 1.65” (42mm) | 2.12” (54mm) | 3” (76mm) | 4.09” (104mm) | 1.57” (40mm) | 2.12” (54mm) |
| Spindle Nose (camlock) | D1–4 | D1–6 | D1–8 | D1–11 | D1–4 | D1–6 |
| Spindle Nose Taper | 3MT | 4MT | 5MT | 5MT | 3MT | 4MT |
| Number of Spindle Speeds | 3 Infinitely Variable | 3 Infinitely Variable | 3 Infinitely Variable | 3 Infinitely Variable | 12 | 16 |
| Low Range rpm | 15–340 | 15–300 | 20–225 | 18–200 | — | — |
| Mid Range rpm | 45–1010 | 35–830 | 60–675 | 55–605 | — | — |

CROSS/TOP SLIDE

| Travel of Cross Slide | 9.8” (249mm) | 9.8” (249mm) | 11.8” (294mm) | 11.8” (294mm) | 7.5” (190mm) | 9.8” (250mm) |
| Width of Cross Slide | 7.09” (180mm) | 7.09” (180mm) | 8” (203mm) | 8” (203mm) | 5.5” (140mm) | 7.09” (180mm) |
| Travel of Top Slide | 5.5” (140mm) | 5.1” (130mm) | 7.5” (190mm) | 7.5” (190mm) | 3.63” (92mm) | 5.1” (130mm) |
| Width of Top Slide | 3.54” (90mm) | 3.93” (100mm) | 4” (102mm) | 4” (102mm) | 3.25” (82mm) | 3.93” (100mm) |

TAILSTOCK

| Quill Travel | 5.5” (140mm) | 5.5” (140mm) | 5.7” (145mm) | 5.7” (145mm) | 4.38” (110mm) | 5.5” (140mm) |
| Quill Diameter | 2.48” (63mm) | 2.87” (73mm) | 3.74” (95mm) | 3.74” (95mm) | 1.63” (42mm) | 2.8” (73mm) |
| Quill Taper | 4MT | 5MT | 6MT | 6MT | 3MT | 5MT |

FEEDS AND THREADING

| Longitudinal Feed Range (in/rev) | 0.0014–0.048 | 0.0014–0.048 | 0.0016–0.11 | 0.0016–0.11 | 0.001–0.080 | 0.0014–0.096 |
| (mm/rev) | 0.35–1.22 | 0.35–1.22 | .034–2.79 | .034–2.79 | .03–2 | .035–2.45 |
| Cross Feed Range (in/rev) | 0.0007–0.024 | 0.00035–0.024 | 0.0008–0.055 | 0.0008–0.055 | — | 0.0007–0.048 |
| (mm/rev) | 0.018–0.61 | 0.0089–0.61 | .012–1.4 | .012–1.4 | .018–1.22 | .018–1.22 |
| Number of Inch Pitches | 56 | 56 | 73 | 73 | 35 | 56 |
| Range of Inch Pitches | 2–56 TPI | 2–56 TPI | 2–84 TPI | 2–84 TPI | 2–56 TPI | 2–56 TPI |
| Number of Metric Pitches | 20 | 51 | 27 | 27 | 39 | 51 |
| Range of Metric Pitches | 0.2–14mm | 0.2–14mm | 0.2–14mm | 0.2–14mm | 0.2–14mm | 0.2–14mm |
| Number of Diametral Pitches | 20 | 20 | 27 | 27 | 18 | 20 |
| Range of Diametral Pitches | 8–56 DP | 8–56 DP | 8–72 DP | 8–72 DP | 8–56 DP | 8–56 DP |
| Number of Module Pitches | 51 | 20 | 51 | 27 | 18 | 20 |
| Range of Module Pitches | 0.2–3.5 MOD | 0.2–3.5 MOD | 0.2–3.5 MOD | 0.2–3.5 MOD | 0.2–3.5 MOD | 0.2–3.5 MOD |

MOTOR

| Spindle Motor | 10 hp (7.5kw) | 10 hp (7.5kw) | 15 hp (10kw) | 15 hp (10kw) | 3 hp (2.2kw) | 7.5 hp (5kw) |

Standard Features:

- Spindle center bushing
- Two Morse Taper dead centers
- Rear splash guard
- Tool post chip guard
- Interlock chuck guard
- Leadscrew cover
- Inch threading dial
- Electric coolant pump, tank and fitting, coolant system
- End guard limit switch
- Tool slotted top slide
- Set of wrenches and keys
- Instruction and parts manual
- Accuracy chart
- Emergency stop button
- Lockable isolator switch
- One shot saddle and cross slide lubrication
- Rapid power traverse to cross slide and carriage (18” & 21” V.S. models)
- Saddle mounted controls and power meter (18” & 21” V.S. models)
- Forward/Reverse/Stop lever
- 230/460 v 3ph standard on VS models All other voltage require an optional transformer
- 230/460 v 3 ph standard on Geared Head models
- Models 8026J/8027J Geared Head lathes are available with 220 v 1 ph

Due to ongoing design improvements, specifications and design are subject to change without notice.

www.clauing-industrial.com | 800.323.0972 | 5
CLAUSING/COLCHESTER 'MAGNUM' 26" (660MM)

Features
- AC Inverter Variable Speed Spindle Drive state of the art AC Spindle Drive featuring surface mount technology to give compact size and high reliability
- Interlocked End Guard Door with easy access for maintenance and changing end train gears
- Leadscrew Reversing Box for faster thread cutting — reversal of the leadscrew with the spindle running at low speed
- Easy to read Index Plate makes it simple to select the proper feed rate or threads
- Three Headstock Gear Ranges are available to produce constant power — 33 to 1 — better than most CNC lathes
- Infinitely Variable Spindle Speeds you can get the right spindle speed very quickly with a response like a CNC lathe, displayed on headstock
- Dynamic spindle brake via the inverter
- Forced lubrication system the spindle bearings, gears and shafts are lubricated by a forced lubrication system
- Precision tapered roller spindle bearings
- Chuck Guard with limit switch
- Anti-Friction Carriage Ways. Low-friction “Moglice” PTFE material between the saddle and bed for minimal bedwear and longer machine life
- Saddle Mounted Chip Guard and Full Rear Splash Guard
- 2 axis power rapid traverse available from one lever mounted on the saddle
- Extra Wide Heavy-duty Cast Iron Bed with triangular webs for exceptional torsional stiffness and excellent chip clearance
- Heavy Duty Tailstock for excellent rigidity — with extra heavy-duty quill
- Covered Leadscrew protects leadscrew from chips
- Wheeled Chip Bin has a large capacity for easy chip disposal
- Hardened and Ground Bedways — all bedways are induction hardened and precision ground
- Cast Iron Base provides the maximum support for the bed combined with sloping top surfaces to prevent the accumulation of coolant
- 26" and 32" machines have 60", 80", 120", or 160" center distances
## Specifications

### Models

<table>
<thead>
<tr>
<th>MODELS</th>
<th>MAGNUM 26&quot;</th>
<th>MAGNUM 32&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAPACITY</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Height of Center</td>
<td>46.65&quot; (1185mm)</td>
<td>49.68&quot; (1262mm)</td>
</tr>
<tr>
<td>Swing Over Bed</td>
<td>26.3&quot; (670mm)</td>
<td>32.3&quot; (820mm)</td>
</tr>
<tr>
<td>Swing in Gap</td>
<td>35.8&quot; (910mm)</td>
<td>41.7&quot; (1060mm)</td>
</tr>
<tr>
<td>Width in Front of Gap</td>
<td>9.44&quot; (240mm)</td>
<td>9.44&quot; (240mm)</td>
</tr>
<tr>
<td>Swing Over Cross Slide</td>
<td>16.9&quot; (430mm)</td>
<td>22.8&quot; (580mm)</td>
</tr>
<tr>
<td>Bedway Width</td>
<td>18.9&quot; (480mm)</td>
<td>18.9&quot; (480mm)</td>
</tr>
<tr>
<td>CROSS/TOP SLIDE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Travel of Cross Slide</td>
<td>16&quot; (406mm)</td>
<td>16&quot; (406mm)</td>
</tr>
<tr>
<td>Width of Cross Slide</td>
<td>11&quot; (280mm)</td>
<td>11&quot; (280mm)</td>
</tr>
<tr>
<td>Travel of Top Slide</td>
<td>6.5&quot; (165mm)</td>
<td>6.5&quot; (165mm)</td>
</tr>
<tr>
<td>Width of Top Side</td>
<td>7&quot; (180mm)</td>
<td>7&quot; (180mm)</td>
</tr>
<tr>
<td>TAILSTOCK</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Quill Travel</td>
<td>12&quot; (300mm)</td>
<td>12&quot; (300mm)</td>
</tr>
<tr>
<td>Quill Diameter</td>
<td>4.125&quot; (105mm)</td>
<td>4.125&quot; (105mm)</td>
</tr>
<tr>
<td>Quill Taper</td>
<td>6MT</td>
<td>6MT</td>
</tr>
<tr>
<td>FEEDS AND THREADING</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Longitudinal Feed Range (in/rev)</td>
<td>0.002–0.16</td>
<td>0.002–0.16</td>
</tr>
<tr>
<td>(mm/rev)</td>
<td>.05–3.2</td>
<td>.05–3.2</td>
</tr>
<tr>
<td>Cross Feed Range (in/rev)</td>
<td>0.001–0.08</td>
<td>0.001–0.08</td>
</tr>
<tr>
<td>(mm/rev)</td>
<td>.025–1.6</td>
<td>.025–1.6</td>
</tr>
<tr>
<td>Number of Inch Pitches</td>
<td>51</td>
<td>51</td>
</tr>
<tr>
<td>Range of Inch Pitches</td>
<td>2–84 TPI</td>
<td>2–84 TPI</td>
</tr>
<tr>
<td>Number of Metric Pitches</td>
<td>59</td>
<td>59</td>
</tr>
<tr>
<td>Range of Metric Pitches</td>
<td>0.2–14mm</td>
<td>0.2–14mm</td>
</tr>
<tr>
<td>Number of Diametral Pitches</td>
<td>27</td>
<td>27</td>
</tr>
<tr>
<td>Range of Diametral Pitches</td>
<td>8–72</td>
<td>8–72</td>
</tr>
<tr>
<td>Number of Module Pitches</td>
<td>20</td>
<td>20</td>
</tr>
<tr>
<td>Range of Module Pitches</td>
<td>0.2–3.5</td>
<td>0.2–3.5</td>
</tr>
<tr>
<td>MOTOR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spindle Motor</td>
<td>30 hp (20kw)</td>
<td>30 hp (20kw)</td>
</tr>
</tbody>
</table>

### Standard Features:
- Spindle Center Bushing
- Two MT Centers
- Rear Splash Guard
- Interlock Chuck Guard
- Leadscrew cover
- Coolant System
- Inch Threading Dial
- Rapid Power Traverse to Cross Slide and Carriage
- Saddle Mounted Controls and Power Meter
- Tee Slotted Top Slide
- Tool Post Chip Guard
- Set of Wrenches and Keys
- Instruction and Parts Manual
- Accuracy Chart
- Emergency Stop Button
- Lockable Isolator Switch
- One Shot Saddle and Cross Slide Lubrication
- Forward/Reverse/Stop Lever
- Standard 230/3/60 or 460/3/60 Volts (208/3/60 volts Require a Transformer)

### Motor

<table>
<thead>
<tr>
<th>MODEL</th>
<th>SWING AND CENTER DISTANCE</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>WEIGHT APPROX</th>
</tr>
</thead>
<tbody>
<tr>
<td>8215VSJ</td>
<td>26&quot; x 60&quot; (660mm) x (1500mm)</td>
<td>151.5&quot; (3850mm)</td>
<td>70.8&quot; (1800mm)</td>
<td>74.8&quot; (1900mm)</td>
<td>8,820 lbs. (4000kg)</td>
</tr>
<tr>
<td>8216VSJ</td>
<td>26&quot; x 80&quot; (660mm) x (2032mm)</td>
<td>171.2&quot; (4350mm)</td>
<td>70.8&quot; (1800mm)</td>
<td>74.8&quot; (1900mm)</td>
<td>9,460 lbs. (4300kg)</td>
</tr>
<tr>
<td>8219VSJ</td>
<td>26&quot; x 120&quot; (660mm) x (3048mm)</td>
<td>210&quot; (5350mm)</td>
<td>70.8&quot; (1800mm)</td>
<td>74.8&quot; (1900mm)</td>
<td>11,245 lbs. (5100kg)</td>
</tr>
<tr>
<td>8220VSJ</td>
<td>26&quot; x 160&quot; (660mm) x (4064mm)</td>
<td>250&quot; (6350mm)</td>
<td>70.8&quot; (1800mm)</td>
<td>74.8&quot; (1900mm)</td>
<td>12,766 lbs. (5800kg)</td>
</tr>
<tr>
<td>8315VSJ</td>
<td>32&quot; x 60&quot; (813mm) x (1500mm)</td>
<td>151.5&quot; (3850mm)</td>
<td>70.8&quot; (1800mm)</td>
<td>74.8&quot; (1900mm)</td>
<td>10,362 lbs. (4700kg)</td>
</tr>
<tr>
<td>8316VSJ</td>
<td>26&quot; x 80&quot; (813mm) x (2032mm)</td>
<td>171.2&quot; (4350mm)</td>
<td>70.8&quot; (1800mm)</td>
<td>74.8&quot; (1900mm)</td>
<td>11,464 lbs. (5200kg)</td>
</tr>
<tr>
<td>8319VSJ</td>
<td>26&quot; x 120&quot; (813mm) x (3048mm)</td>
<td>210&quot; (5350mm)</td>
<td>70.8&quot; (1800mm)</td>
<td>74.8&quot; (1900mm)</td>
<td>14,109 lbs. (6400kg)</td>
</tr>
<tr>
<td>8320VSJ</td>
<td>26&quot; x 160&quot; (813mm) x (4064mm)</td>
<td>250&quot; (6350mm)</td>
<td>70.8&quot; (1800mm)</td>
<td>74.8&quot; (1900mm)</td>
<td>16,535 lbs. (7500kg)</td>
</tr>
</tbody>
</table>

### Headstock

<table>
<thead>
<tr>
<th>HEADSTOCK</th>
<th>26&quot; STANDARD</th>
<th>26&quot; OPTION #1</th>
<th>32&quot; STANDARD</th>
<th>32&quot; OPTION #1</th>
<th>32&quot; OPTION #2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spindle Bore</td>
<td>4.09&quot; (104mm)</td>
<td>4.09&quot; (104mm)</td>
<td>6&quot; (155mm)</td>
<td>6&quot; (155mm)</td>
<td>9&quot; (230mm)</td>
</tr>
<tr>
<td>Spindle Nose (Camlock)</td>
<td>D1–11</td>
<td>D1–11</td>
<td>A2–11</td>
<td>A2–11</td>
<td>A2–15</td>
</tr>
<tr>
<td>Spindle Nose Taper</td>
<td>8MT</td>
<td>8MT</td>
<td>7MT</td>
<td>7MT</td>
<td>—</td>
</tr>
<tr>
<td>Number of Spindle Speeds</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Spindle Speed Range (rpm)</td>
<td>18–1800</td>
<td>15–1800</td>
<td>18–1800</td>
<td>15–1800</td>
<td>8–600</td>
</tr>
<tr>
<td>Low Range (rpm)</td>
<td>55–605</td>
<td>15–102</td>
<td>18–200</td>
<td>15–102</td>
<td>8–63</td>
</tr>
<tr>
<td>High Range (rpm)</td>
<td>160–1800</td>
<td>118–800</td>
<td>160–1800</td>
<td>118–800</td>
<td>56–600</td>
</tr>
</tbody>
</table>

Due to ongoing design improvements, specifications and design are subject to change without notice.
**LIVE CENTER**

Revolving Center is concentric within .0002” T.I.R. 60º point rotates on roller bearings.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Fits Lathe Models</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>12-510</td>
<td>13” Swing Geared Head Lathes</td>
<td>2 lbs.</td>
</tr>
<tr>
<td>15-710</td>
<td>13” Swing Variable Speed Lathes</td>
<td>3 lbs.</td>
</tr>
<tr>
<td>17-910</td>
<td>15” Swing Geared Head &amp; Variable Speed Lathes</td>
<td>9 lbs.</td>
</tr>
<tr>
<td>18-910</td>
<td>18” thru 32” Swing Variable Speed Lathes</td>
<td>9 lbs.</td>
</tr>
</tbody>
</table>

**LED WORK LIGHT**

FV-9070L

Weight 5 lbs.

**STEADY REST**

The Steady Rest provides support for long or slender work and allows heavy cuts without chatter. Capacities are sized for lathe models.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Fits Lathe Models</th>
<th>Capacity Min-Max</th>
<th>Fingers</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-513</td>
<td>13” Swing Geared Head Lathes</td>
<td>3/8” – 5-1/2”</td>
<td>Bronze</td>
<td>39 lbs.</td>
</tr>
<tr>
<td>13-472VS</td>
<td>13” Swing Variable Speed Lathes</td>
<td>3/8” – 5-1/2”</td>
<td>Bronze Tip &amp; Roller</td>
<td>37 lbs.</td>
</tr>
<tr>
<td>18-812</td>
<td>18” Swing Variable Speed Lathes</td>
<td>3/8” – 9-3/8”</td>
<td>Bronze Tip &amp; Roller</td>
<td>58 lbs.</td>
</tr>
<tr>
<td>21-860</td>
<td>21” Swing Variable Speed Lathes</td>
<td>6-1/8” – 15”</td>
<td>Bronze Tip &amp; Roller</td>
<td>115 lbs.</td>
</tr>
<tr>
<td>21-412VS</td>
<td>21” Swing Variable Speed Lathes</td>
<td>3/8” – 9”</td>
<td>Bronze Tip &amp; Roller</td>
<td>115 lbs.</td>
</tr>
<tr>
<td>26-412VS</td>
<td>26” Swing Variable Speed Lathes</td>
<td>1.9” – 8.26”</td>
<td>Roller Tip</td>
<td>115 lbs.</td>
</tr>
<tr>
<td>26-860</td>
<td>26” Swing Variable Speed Lathes</td>
<td>7.8” – 14.9”</td>
<td>Roller Tip</td>
<td>125 lbs.</td>
</tr>
<tr>
<td>32-412VS</td>
<td>32” Swing Variable Speed Lathes</td>
<td>1.9” – 8.26”</td>
<td>Roller Tip</td>
<td>115 lbs.</td>
</tr>
<tr>
<td>32-860</td>
<td>32” Swing Variable Speed Lathes</td>
<td>7.8” – 14.9”</td>
<td>Roller Tip</td>
<td>125 lbs.</td>
</tr>
<tr>
<td>32-861</td>
<td>32” Swing Variable Speed Lathes</td>
<td>1.78” – 19.69”</td>
<td>Roller Tip</td>
<td>145 lbs.</td>
</tr>
</tbody>
</table>

**FOLLOWER REST**

The Follower Rest mounts on the carriage and moves with it, providing workpiece support close to the cutting tool... making it ideal for long slender parts which must be machined between models.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Fits Lathe Models</th>
<th>Capacity Min-Max</th>
<th>Fingers</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-514</td>
<td>13” Swing Geared Head Lathes</td>
<td>3/8” – 3”</td>
<td>Bronze</td>
<td>16 lbs.</td>
</tr>
<tr>
<td>13-471VS</td>
<td>13” Swing Variable Speed Lathes</td>
<td>3/8” – 3”</td>
<td>Bronze Tip &amp; Roller</td>
<td>16 lbs.</td>
</tr>
<tr>
<td>15-754N</td>
<td>15” Swing Geared Head &amp; Variable Speed Lathes</td>
<td>3/8” – 6-3/8”</td>
<td>Bronze Tip &amp; Roller</td>
<td>28 lbs.</td>
</tr>
<tr>
<td>21-411VS</td>
<td>21” Swing Variable Speed Lathes</td>
<td>3/8” – 4-1/4”</td>
<td>Bronze Tip &amp; Roller</td>
<td>37 lbs.</td>
</tr>
<tr>
<td>26-411VS</td>
<td>26” Swing Variable Speed Lathes</td>
<td>.79” – 6.3”</td>
<td>Roller Tip</td>
<td>40 lbs.</td>
</tr>
<tr>
<td>32-411VS</td>
<td>32” Swing Variable Speed Lathes</td>
<td>.79” – 6.3”</td>
<td>Roller Tip</td>
<td>45 lbs.</td>
</tr>
</tbody>
</table>

**TAPER ATTACHMENT**

The Taper Attachment is fitted to the rear of the carriage and permits taper turning without disengaging the cross feed screw. It is easy to set-up and does not interfere with normal operation. The slide is graduated in degrees of taper with a range of 10” on either side of center. Maximum taper is 4” per foot.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Fits Lathe Models</th>
<th>Capacity Per Setting</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-521</td>
<td>13” Swing Geared Head Lathes</td>
<td>10”</td>
<td>39 lbs.</td>
</tr>
<tr>
<td>13-410VS</td>
<td>13” &amp; 15” Swing Geared Head &amp; Variable Speed Lathes</td>
<td>12”</td>
<td>39 lbs.</td>
</tr>
<tr>
<td>18-810</td>
<td>18” &amp; 21” Variable Speed Lathes</td>
<td>15”</td>
<td>94 lbs.</td>
</tr>
<tr>
<td>26-810</td>
<td>26” Variable Speed Lathes</td>
<td>15”</td>
<td>105 lbs.</td>
</tr>
<tr>
<td>32-810</td>
<td>32” Variable Speed Lathes</td>
<td>15”</td>
<td>105 lbs.</td>
</tr>
</tbody>
</table>

**LED WORK LIGHT**

FV-9070L

Weight 5 lbs.
**ALORIS QUICK CHANGE TOOL POST**

Precision engineered to assure accuracy. Advanced design provides built-in quick tool changing versatility with positive rigidity to meet the most exacting working tolerance. Quickly and easily installed on any engine lathe, bench or CNC lathe, for a wide range of operations...from fine precision work to heavy-duty cutting.

The Aloris Quick Change Tool Post is shipped with four (4) Tool Holders: 2 Turning and Facing Holders; 1 Boring, Turning and Facing Holders; 1 Morse Taper Holder.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Fits Lathe Models</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-503A</td>
<td>13&quot; Swing Geared Head Lathes</td>
<td>29 lbs.</td>
</tr>
<tr>
<td>13-775A</td>
<td>13&quot; Swing Variable Speed Lathes</td>
<td>32 lbs.</td>
</tr>
<tr>
<td>15-775A</td>
<td>15&quot; Swing Geared Head &amp; Variable Speed Lathes</td>
<td>35 lbs.</td>
</tr>
<tr>
<td>17-875A</td>
<td>18&quot; Swing Variable Speed Lathes</td>
<td>69 lbs.</td>
</tr>
<tr>
<td>21-475A</td>
<td>21&quot; Swing Variable Speed Lathes</td>
<td>69 lbs.</td>
</tr>
<tr>
<td>26-475A</td>
<td>26&quot; Swing Variable Speed Lathes</td>
<td>69 lbs.</td>
</tr>
<tr>
<td>32-475A</td>
<td>32&quot; Swing Variable Speed Lathes</td>
<td>69 lbs.</td>
</tr>
</tbody>
</table>

**ALORIS TOOL POST EXTRA TOOL HOLDERS**

These holders are for the 15-775A tool post. Other model numbers listed in price sheets.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Holder Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>15-775A-1</td>
<td>Aloris Extra Straight Holder 1&quot;</td>
</tr>
<tr>
<td>15-775A-2</td>
<td>Aloris Extra V-Holder 1&quot;, 13/16&quot; Bore Bar</td>
</tr>
<tr>
<td>15-775A-4D</td>
<td>Aloris 1-1/4&quot; Boring Bar Holder</td>
</tr>
<tr>
<td>15-775A-41D</td>
<td>Aloris 1-1/2&quot; Boring Bar Holder</td>
</tr>
<tr>
<td>15-775A-5</td>
<td>Aloris Extra 3MT Holder</td>
</tr>
<tr>
<td>15-775A-71</td>
<td>Aloris Extra Cutoff Holder 2&quot; height</td>
</tr>
</tbody>
</table>

**FIVE POSITION CARRIAGE STOP**

This stop is useful for turning multiple diameter work, and is mounted on the apron. Each of the five screw stops can be indexed to contact the stop pin mounted on the bed vee. Accurate indexing is provided by a steel ball under spring tension.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Fits Lathe Models</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-518</td>
<td>13&quot; Swing Geared Head Lathes</td>
<td>4 lbs.</td>
</tr>
<tr>
<td>13-438VS</td>
<td>13&quot; &amp; 15&quot; Swing Geared Head &amp; Variable Speed Lathes</td>
<td>4 lbs.</td>
</tr>
<tr>
<td>18-831</td>
<td>18&quot; &amp; 21&quot; Swing Variable Speed Lathes</td>
<td>6 lbs.</td>
</tr>
<tr>
<td>26-831</td>
<td>26&quot; Swing Variable Speed Lathes</td>
<td>6 lbs.</td>
</tr>
<tr>
<td>32-831</td>
<td>32&quot; Swing Variable Speed Lathes</td>
<td>6 lbs.</td>
</tr>
</tbody>
</table>

**ONE POSITION CARRIAGE STOP**

This hardened stop clamps on the front bed way at any position determined by the operator, allowing repetitive cuts to the same position.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Fits Lathe Models</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-516</td>
<td>13&quot; Swing Geared Head Lathes</td>
<td>2 lbs.</td>
</tr>
<tr>
<td>13-435VS</td>
<td>13&quot; &amp; 15&quot; Swing Geared Head &amp; Variable Speed Lathes</td>
<td>3 lbs.</td>
</tr>
<tr>
<td>17-832</td>
<td>18&quot; &amp; 21&quot; Swing Variable Speed Lathes</td>
<td>5 lbs.</td>
</tr>
</tbody>
</table>

**MICRO POSITION CARRIAGE STOP**

This hardened stop clamps on the front bed way at any position determined by the operator, allowing repetitive cuts to the same position.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Fits Lathe Models</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-517</td>
<td>13&quot; Swing Geared Head Lathes</td>
<td>2 lbs.</td>
</tr>
<tr>
<td>13-436VS</td>
<td>13&quot; &amp; 15&quot; Swing Geared Head &amp; Variable Speed Lathes</td>
<td>3 lbs.</td>
</tr>
<tr>
<td>17-833</td>
<td>18&quot; &amp; 21&quot; Swing Variable Speed Lathes</td>
<td>5 lbs.</td>
</tr>
<tr>
<td>26-833</td>
<td>26&quot; Swing Variable Speed Lathes</td>
<td>5 lbs.</td>
</tr>
<tr>
<td>32-833</td>
<td>32&quot; Swing Variable Speed Lathes</td>
<td>5 lbs.</td>
</tr>
</tbody>
</table>
The Last Word in Toolroom Lathe Productivity...Pick from One of These Three World Leading Digital Readout Systems Available

**ACU-RITE®**

**DRO300 LCD DIGITAL READOUT**

Available with Constant Surface Speed (CSS) and/or Thread Assist. DRO203 for Standard 2 Axis Systems.

The ultimate in efficiency and turning productivity, utilizing state-of-the-art features:

- Simplify cutting metric threads on lathes with inch leadscrews with the NEW Thread Assist function (optional 1000 line encoder required)
- 16 Tool Offsets for easy compensation of different tool sizes
- Lock Axis feature, used in conjunction with tool offsetting, lets the operator establish tool offsets with the tool under load, resulting in reduced deflection
- Instant radius/diameter conversion reduces math errors and allows operator to machine to print
- Posit-Trac™; a unique feature that lets you easily, quickly and accurately re-establish workpiece zero after power loss
- 2, 3 or 4 axes 5.7” flat-screen LCD display
- Preset and zero reset
- Near-zero warning
- Instant inch/mm conversion
- Linear and non-linear error compensation
- Taper calculator
- Die-cast metal construction
- RS-232-C/V.24 serial port data interface and USB(c)
- Multiple program names with numerous steps
- Multiple display views — DR01 & DR02
- Job clock
- Feed rate display
- Advanced skew compensation
- Multiple language supports
- Absolute/incremental
- Help function
- 4 function calculator

**Precision Glass Scales**

ACU-RITE precision glass scales withstand the elements found in the harshest machine shop environments. As a result, our precision glass scales resist changes in size, shape or density due to temperature and humidity variation.

- Exceptional accuracy ±.00006” (1.5μm)
- Available in lengths from 1” – 773” (25.4 – 19634mm)
- Resolution from .00002” – .0005” (.05 – 10mm)

---

**NEWALL**

**DP700 DIGITAL READOUT**

The DP700 is a powerful and intuitive DRO that is housed in a rugged, ergonomically designed casting. The DRO features all of the essential functions for turning.

- Solid cast construction
- Long life membrane keypad
- Clean, crisp LEDs
- Intuitive message window
- Wide viewing angle
- Safe, low voltage external power supply
- Five year warranty
- Customized canned cycles
- ABS/Inch
- Digifind
- Metric/inch
- Zero approach
- Tool offsets
- Taper
- Summing
- Bolt hole circle
- Arc contouring
- Polar co-ordinates
- Line hole
- Programmable memory
- Feed-rate display
- Linear and segmented error Compensation
- RS232 output
- Undo function

---

**FAGOR**

**INNOVA 40i DRO, WITH COLOR TFT SCREEN**

The Innova 40i for lathe applications offers the operator graphic assistance that no other DRO can offer such as taper calculation, the combination of the Z1 and Z2 axes or the 16 datum points for as many tools offsets that you can store.

- TFT color LCD display
- High clarity view from any angle
- NEW Threading software (TPI and metric threads)
- Solid graphics & 3D simulation
- Conversational graphic help screen
- Friendly and intuitive operations
- Easy set-up and diagnosis
- "Distance to Go" bar for easy positioning
- Up to 16 tool offsets with hold feature
- Built-in calculator with auto recall
- Feedback alarms
- Taper calculation
- Combining the Z1 and Z2 axes
- Software travel limits for safety
- Re-Set, Pre-Set, direct mm/inch conversion
- FAGOR Warranty: 3 years and lifetime on the glass
### PRATT BURNERD SELF-CENTERING UNIVERSAL 3-JAW SETRITE™ CHUCKS

Pratt Burnerd Universal Setrite 3-Jaw Chucks are precision manufactured with a .0005 TIR repeatability on duplicate parts. The steel body allows high metal removal rates. 3-Jaw Setrite Chucks are supplied with two-piece American standard tongue and groove reversible jaws. Chucks have nitride hardened scroll and hardened pinion. All chucks have a two year warranty.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Dia.</th>
<th>Lathe Type &amp; Size</th>
<th>Spindle Size</th>
<th>Max. rpm</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>0625321</td>
<td>6&quot;</td>
<td>13&quot; Swing Geared Head &amp; Variable Speed Lathes</td>
<td>D1-4</td>
<td>4900</td>
<td>26 lbs.</td>
</tr>
<tr>
<td>0825321</td>
<td>8&quot;</td>
<td>13&quot; Swing Geared Head &amp; Variable Speed Lathes</td>
<td>D1-4</td>
<td>4200</td>
<td>46 lbs.</td>
</tr>
<tr>
<td>0825323</td>
<td>8&quot;</td>
<td>15&quot; Swing Geared Head &amp; Variable Speed Lathes</td>
<td>D1-6</td>
<td>4200</td>
<td>46 lbs.</td>
</tr>
<tr>
<td>1025323</td>
<td>10&quot;</td>
<td>15&quot; Swing Geared Head &amp; Variable Speed Lathes</td>
<td>D1-6</td>
<td>3300</td>
<td>71 lbs.</td>
</tr>
<tr>
<td>1025324</td>
<td>10&quot;</td>
<td>18&quot; Swing Variable Speed Lathe</td>
<td>D1-8</td>
<td>3300</td>
<td>71 lbs.</td>
</tr>
<tr>
<td>1225324</td>
<td>12&quot;</td>
<td>18&quot; Swing Variable Speed Lathe</td>
<td>D1-8</td>
<td>2300</td>
<td>112 lbs</td>
</tr>
<tr>
<td>1225325</td>
<td>12&quot;</td>
<td>21&quot; Swing Variable Speed Lathe</td>
<td>D1-11</td>
<td>2300</td>
<td>112 lbs</td>
</tr>
<tr>
<td>1525325</td>
<td>15&quot;</td>
<td>21&quot; Swing Variable Speed Lathe</td>
<td>D1-11</td>
<td>2000</td>
<td>146 lbs</td>
</tr>
<tr>
<td>1825325</td>
<td>18&quot;</td>
<td>26&quot; Swing Variable Speed Lathe</td>
<td>D1-11</td>
<td>1300</td>
<td>270 lbs</td>
</tr>
<tr>
<td>2425325</td>
<td>24&quot;</td>
<td>32&quot; Swing Variable Speed Lathe</td>
<td>D1-11</td>
<td>850</td>
<td>550 lbs</td>
</tr>
</tbody>
</table>

### PRATT BURNERD SELF-CENTERING UNIVERSAL 6-JAW SETRITE™ CHUCKS

Pratt Burnerd Universal Setrite 6-Jaw Chucks are precision manufactured with a .0005 TIR repeatability on duplicate parts. The steel body allows high metal removal rates. 6-Jaw Setrite Chucks are supplied with two-piece American standard tongue and groove reversible jaws. Chucks have nitride hardened scroll and hardened pinion. All chucks have a two year warranty.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Dia.</th>
<th>Lathe Type &amp; Size</th>
<th>Spindle Size</th>
<th>Max. rpm</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>0626321</td>
<td>6&quot;</td>
<td>13&quot; Swing Geared Head &amp; Variable Speed Lathes</td>
<td>D1-4</td>
<td>3500</td>
<td>27 lbs.</td>
</tr>
<tr>
<td>0826321</td>
<td>8&quot;</td>
<td>13&quot; Swing Geared Head &amp; Variable Speed Lathes</td>
<td>D1-4</td>
<td>3000</td>
<td>49 lbs.</td>
</tr>
<tr>
<td>0826323</td>
<td>8&quot;</td>
<td>15&quot; Swing Geared Head &amp; Variable Speed Lathes</td>
<td>D1-6</td>
<td>3000</td>
<td>49 lbs.</td>
</tr>
<tr>
<td>1026323</td>
<td>10&quot;</td>
<td>15&quot; Swing Geared Head &amp; Variable Speed Lathes</td>
<td>D1-6</td>
<td>2400</td>
<td>76 lbs.</td>
</tr>
<tr>
<td>1026324</td>
<td>10&quot;</td>
<td>18&quot; Swing Variable Speed Lathe</td>
<td>D1-8</td>
<td>2400</td>
<td>76 lbs.</td>
</tr>
<tr>
<td>1226324</td>
<td>12&quot;</td>
<td>18&quot; Swing Variable Speed Lathe</td>
<td>D1-8</td>
<td>2000</td>
<td>116 lbs</td>
</tr>
<tr>
<td>1226325</td>
<td>12&quot;</td>
<td>21&quot; Swing Variable Speed Lathe</td>
<td>D1-11</td>
<td>2000</td>
<td>116 lbs</td>
</tr>
<tr>
<td>1526325</td>
<td>15&quot;</td>
<td>21&quot; Swing Variable Speed Lathe</td>
<td>D1-11</td>
<td>1500</td>
<td>205 lbs</td>
</tr>
<tr>
<td>1826325</td>
<td>18&quot;</td>
<td>26&quot; Swing Variable Speed Lathe</td>
<td>D1-11</td>
<td>880</td>
<td>290 lbs</td>
</tr>
<tr>
<td>2426325</td>
<td>24&quot;</td>
<td>32&quot; Swing Variable Speed Lathe</td>
<td>D1-11</td>
<td>740</td>
<td>570 lbs</td>
</tr>
</tbody>
</table>

### PRATT BURNERD 4-JAW MEDIUM DUTY INDEPENDENT CHUCKS

Pratt Burnerd Independent Chucks are precision manufactured and supplied with Ductile iron bodies, hardened operating screws and solid reversible hard jaws. Special jaw and jaw way design adds extra bearing surfaces, increasing chuck life and rigidity. Pratt Burnerd Independent Chucks come with a two year warranty.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Dia.</th>
<th>Lathe Type &amp; Size</th>
<th>Spindle Size</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>0814421</td>
<td>8&quot;</td>
<td>13&quot; Swing Geared Head &amp; Variable Speed Lathes</td>
<td>D1-4</td>
<td>31 lbs.</td>
</tr>
<tr>
<td>1014421</td>
<td>10&quot;</td>
<td>13&quot; Swing Geared Head &amp; Variable Speed Lathes</td>
<td>D1-4</td>
<td>43 lbs.</td>
</tr>
<tr>
<td>1014423</td>
<td>10&quot;</td>
<td>15&quot; Swing Geared Head &amp; Variable Speed Lathes</td>
<td>D1-6</td>
<td>43 lbs.</td>
</tr>
<tr>
<td>1214423</td>
<td>12&quot;</td>
<td>15&quot; Swing Geared Head &amp; Variable Speed Lathes</td>
<td>D1-6</td>
<td>72 lbs.</td>
</tr>
<tr>
<td>1214424</td>
<td>12&quot;</td>
<td>18&quot; Swing Variable Speed Lathe</td>
<td>D1-8</td>
<td>72 lbs.</td>
</tr>
</tbody>
</table>

### HEAVY DUTY CHUCKS

<table>
<thead>
<tr>
<th>Lathe Type &amp; Size</th>
<th>Spindle Size</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>14&quot; Swing Variable Speed Lathes</td>
<td>D1-8</td>
<td>126 lbs.</td>
</tr>
<tr>
<td>16&quot; Swing Variable Speed Lathes</td>
<td>D1-11</td>
<td>180 lbs.</td>
</tr>
<tr>
<td>18&quot; Swing Variable Speed Lathes</td>
<td>D11/A11</td>
<td>320 lbs.</td>
</tr>
<tr>
<td>20&quot; Swing Variable Speed Lathes</td>
<td>D11/A11</td>
<td>415 lbs.</td>
</tr>
<tr>
<td>24&quot; Swing Variable Speed Lathes</td>
<td>D11/A11</td>
<td>720 lbs.</td>
</tr>
<tr>
<td>28&quot; Swing Variable Speed Lathes</td>
<td>D11/A11</td>
<td>1050 lbs.</td>
</tr>
</tbody>
</table>

Pratt Burnerd Independent Chucks are precision manufactured and supplied with Ductile iron bodies, hardened operating screws and solid reversible hard jaws. Special jaw and jaw way design adds extra bearing surfaces, increasing chuck life and rigidity. Pratt Burnerd Independent Chucks come with a two year warranty.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Dia.</th>
<th>Lathe Type &amp; Size</th>
<th>Spindle Size</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>0814421</td>
<td>8&quot;</td>
<td>13&quot; Swing Geared Head &amp; Variable Speed Lathes</td>
<td>D1-4</td>
<td>31 lbs.</td>
</tr>
<tr>
<td>1014421</td>
<td>10&quot;</td>
<td>13&quot; Swing Geared Head &amp; Variable Speed Lathes</td>
<td>D1-4</td>
<td>43 lbs.</td>
</tr>
<tr>
<td>1014423</td>
<td>10&quot;</td>
<td>15&quot; Swing Geared Head &amp; Variable Speed Lathes</td>
<td>D1-6</td>
<td>43 lbs.</td>
</tr>
<tr>
<td>1214423</td>
<td>12&quot;</td>
<td>15&quot; Swing Geared Head &amp; Variable Speed Lathes</td>
<td>D1-6</td>
<td>72 lbs.</td>
</tr>
<tr>
<td>1214424</td>
<td>12&quot;</td>
<td>18&quot; Swing Variable Speed Lathe</td>
<td>D1-8</td>
<td>72 lbs.</td>
</tr>
</tbody>
</table>

HEAVY DUTY CHUCKS

<table>
<thead>
<tr>
<th>Lathe Type &amp; Size</th>
<th>Spindle Size</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>14&quot; Swing Variable Speed Lathes</td>
<td>D1-8</td>
<td>126 lbs.</td>
</tr>
<tr>
<td>16&quot; Swing Variable Speed Lathes</td>
<td>D1-11</td>
<td>180 lbs.</td>
</tr>
<tr>
<td>18&quot; Swing Variable Speed Lathes</td>
<td>D11/A11</td>
<td>320 lbs.</td>
</tr>
<tr>
<td>20&quot; Swing Variable Speed Lathes</td>
<td>D11/A11</td>
<td>415 lbs.</td>
</tr>
<tr>
<td>24&quot; Swing Variable Speed Lathes</td>
<td>D11/A11</td>
<td>720 lbs.</td>
</tr>
<tr>
<td>28&quot; Swing Variable Speed Lathes</td>
<td>D11/A11</td>
<td>1050 lbs.</td>
</tr>
</tbody>
</table>
### CLAUSSING/COLCHESTER ACCESSORIES

#### 5C FRONT MOUNTED HAND WHEEL SPEED COLLET CHUCK

Fast and easy, front hand wheel operation reduces operator fatigue with accurate maximum cone TIR .0005". Easy installation, no draw tubes or linkages required. One year warranty.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Lathe Type &amp; Size</th>
<th>Spindle</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>PB23-D4</td>
<td>13” Swing Variable Speed Lathes</td>
<td>D1-4</td>
<td>15 lbs.</td>
</tr>
<tr>
<td>PB23-D6</td>
<td>15” Swing Geared Head &amp; Variable Speed Lathes</td>
<td>D1-6</td>
<td>17 lbs.</td>
</tr>
<tr>
<td>PB23-D8</td>
<td>18” Swing Variable Speed Lathes</td>
<td>D1-8</td>
<td>23 lbs.</td>
</tr>
<tr>
<td>PB23-D11</td>
<td>21” Swing Variable Speed Lathes</td>
<td>D1-11</td>
<td>27 lbs.</td>
</tr>
</tbody>
</table>

#### AIR POWERED FRONT MOUNTED 16C DEAD LENGTH COLLET

No hydraulic system required. No draw tube or air feed tubes restricting spindle bore. No rear cylinders and cylinder adapters. Easily convert any lathe into a production machine. Repeats on duplicate parts ± .00015.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Lathe Type &amp; Size</th>
<th>Spindle</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATL207-16CD4</td>
<td>13” Swing Variable Speed Lathes</td>
<td>D1-4</td>
<td>30 lbs.</td>
</tr>
<tr>
<td>ATL207-16CD6</td>
<td>15” Swing Geared Head &amp; Variable Speed Lathes</td>
<td>D1-6</td>
<td>30 lbs.</td>
</tr>
<tr>
<td>ATL207-16CD8</td>
<td>18” Swing Variable Speed Lathes</td>
<td>D1-8</td>
<td>30 lbs.</td>
</tr>
</tbody>
</table>

#### AIR POWERED FRONT MOUNTED 5C DEAD LENGTH COLLET

No hydraulic system required. No draw tube or air feed tubes restricting spindle bore. No rear cylinders and cylinder adapters. Easily convert any lathe into a production machine. Repeats on duplicate parts ± .00015.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Lathe Type &amp; Size</th>
<th>Spindle</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATL206-5CD4</td>
<td>13” Swing Variable Speed Lathes</td>
<td>D1-4</td>
<td>22 lbs.</td>
</tr>
<tr>
<td>ATL206-5CD6</td>
<td>15” Swing Geared Head &amp; Variable Speed Lathes</td>
<td>D1-6</td>
<td>22 lbs.</td>
</tr>
<tr>
<td>ATL206-5CD8</td>
<td>18” Swing Variable Speed Lathes</td>
<td>D1-8</td>
<td>22 lbs.</td>
</tr>
</tbody>
</table>

#### AIR POWERED FRONT MOUNTED B60 DEAD LENGTH COLLET

No hydraulic system required. No draw tube or air feed tubes restricting spindle bore. No rear cylinders and cylinder adapters. Easily convert any lathe into a production machine. Repeats on duplicate parts ± .00015.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Lathe Type &amp; Size</th>
<th>Spindle</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATL206-B60D4</td>
<td>13” Swing Variable Speed Lathes</td>
<td>D1-4</td>
<td>46.6 lbs.</td>
</tr>
<tr>
<td>ATL206-B60D6</td>
<td>15” Swing Geared Head &amp; Variable Speed Lathes</td>
<td>D1-6</td>
<td>46.6 lbs.</td>
</tr>
<tr>
<td>ATL206-B60D8</td>
<td>18” Swing Variable Speed Lathes</td>
<td>D1-8</td>
<td>46.6 lbs.</td>
</tr>
</tbody>
</table>

#### SLOTTED FACE PLATE

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Dia.</th>
<th>Lathe Type &amp; Size</th>
<th>Spindle Size</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>13-403</td>
<td>12&quot;</td>
<td>13” Swing Variable Speed Lathes</td>
<td>D1-4</td>
<td>45 lbs.</td>
</tr>
<tr>
<td>13-500</td>
<td>12&quot;</td>
<td>13” Swing Geared Head Lathes</td>
<td>D1-4</td>
<td>45 lbs.</td>
</tr>
<tr>
<td>13-404</td>
<td>18&quot;</td>
<td>13” Swing Variable Speed Lathes</td>
<td>D1-4</td>
<td>60 lbs.</td>
</tr>
<tr>
<td>13-502</td>
<td>18&quot;</td>
<td>13” Swing Geared Head Lathes</td>
<td>D1-4</td>
<td>60 lbs.</td>
</tr>
<tr>
<td>15-703</td>
<td>14&quot;</td>
<td>15” Swing Geared Head &amp; Variable Speed Lathes</td>
<td>D1-6</td>
<td>50 lbs.</td>
</tr>
<tr>
<td>15-704</td>
<td>21&quot;</td>
<td>15” Swing Geared Head &amp; Variable Speed Lathes</td>
<td>D1-6</td>
<td>108 lbs.</td>
</tr>
<tr>
<td>17-803</td>
<td>17&quot;</td>
<td>18” Swing Variable Speed Lathes</td>
<td>D1-8</td>
<td>120 lbs.</td>
</tr>
<tr>
<td>17-804</td>
<td>28&quot;</td>
<td>18” Swing Variable Speed Lathes</td>
<td>D1-8</td>
<td>229 lbs.</td>
</tr>
<tr>
<td>21-403</td>
<td>20&quot;</td>
<td>21” Swing Variable Speed Lathes</td>
<td>D1-11</td>
<td>130 lbs.</td>
</tr>
<tr>
<td>21-404</td>
<td>27&quot;</td>
<td>21” Swing Variable Speed Lathes</td>
<td>D1-11</td>
<td>205 lbs.</td>
</tr>
</tbody>
</table>
The Pratt Burnerd multi-size collets provide an accurate, efficient and economical means of holding work, while eliminating the need for decimal, metric or special size collets. Each multi-size collet has a stepless gripping range of .125” with an extended range of ±.010” of size... accommodating both undersize and oversize work.

Most multi-size collets handle hex as well as round stock. Pratt Burnerd multi-size collets are very accurate, with no distortion. Gripping pressure is adjustable and the full-grip blades permit machining up to collet face. Accuracy is .0005” maximum eccentricity at the nose.

**PRATT BURNERD KEY-OPERATED COLLET CHUCKS**

This extremely accurate, .001” repeatability, economical chuck is completely sensitive for any gripping pressure. Its compact, efficient design is equipped with ball bearings and hardened and ground components for lasting precision.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Lathe Type &amp; Size</th>
<th>Bar Stock Capacity</th>
<th>Collet Capacity</th>
<th>Collet Type</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>6012-31300</td>
<td>KC15 D4</td>
<td>13” Swing Geared Head Lathes</td>
<td>1/16” – 1-1/2”</td>
<td>1-1/2”</td>
<td>EC</td>
<td>18 lbs.</td>
</tr>
<tr>
<td>6012-52100</td>
<td>KC25 D6</td>
<td>15” Swing Geared Head Lathes</td>
<td>1/2” – 2-1/2”</td>
<td>2-1/2”</td>
<td>EE</td>
<td>60 lbs.</td>
</tr>
<tr>
<td>6012-52100</td>
<td>KC25 D6</td>
<td>15” Swing Variable Speed Lathes</td>
<td>1/2” – 2-1/2”</td>
<td>2-1/2”</td>
<td>EE</td>
<td>60 lbs.</td>
</tr>
<tr>
<td>6012-62100</td>
<td>KC25 D8</td>
<td>18” Swing Variable Speed Lathes</td>
<td>1/2” – 2-1/2”</td>
<td>2-1/2”</td>
<td>EE</td>
<td>65 lbs.</td>
</tr>
<tr>
<td>6012-72100</td>
<td>KC25 D11</td>
<td>21” Swing Variable Speed Lathes</td>
<td>1/2” – 2-1/2”</td>
<td>2-1/2”</td>
<td>EE</td>
<td>65 lbs.</td>
</tr>
</tbody>
</table>

**PRATT BURNERD MULTI-SIZE COLLETS FOR KEY-OPERATED CHUCK**

The Pratt Burnerd multi-size collets provide an accurate, efficient and economical means of holding work, while eliminating the need for decimal, metric or special size collets. Each multi-size collet has a stepless gripping range of .125” with an extended range of ±.010” of size... accommodating both undersize and oversize work.

Most multi-size collets handle hex as well as round stock. Pratt Burnerd multi-size collets are very accurate, with no distortion. Gripping pressure is adjustable and the full-grip blades permit machining up to collet face. Accuracy is .0005” maximum eccentricity at the nose.

**CRAWFORD 5C ROUND COLLETS**

<table>
<thead>
<tr>
<th>Part No. (R=Size)</th>
<th>Sizes</th>
</tr>
</thead>
<tbody>
<tr>
<td>0123-R</td>
<td>1/8” thru 1-1/8 by 64ths</td>
</tr>
</tbody>
</table>

**CRAWFORD 16C ROUND COLLETS**

<table>
<thead>
<tr>
<th>Part No. (R=Size)</th>
<th>Sizes</th>
</tr>
</thead>
<tbody>
<tr>
<td>G119-R</td>
<td>1/16” thru 1-5/8 by 16ths</td>
</tr>
</tbody>
</table>

**CRAWFORD B-42 ROUND COLLETS**

<table>
<thead>
<tr>
<th>Part No. (R=Size)</th>
<th>Sizes</th>
</tr>
</thead>
<tbody>
<tr>
<td>4728-R</td>
<td>1/16” thru 1-5/8 by 16ths</td>
</tr>
</tbody>
</table>

**CRAWFORD B-60 ROUND COLLETS**

<table>
<thead>
<tr>
<th>Part No. (R=Size)</th>
<th>Sizes</th>
</tr>
</thead>
<tbody>
<tr>
<td>4291-R</td>
<td>1/16” thru 2-5/16 by 16ths</td>
</tr>
</tbody>
</table>
Your Single Source for Machine Tools

<table>
<thead>
<tr>
<th>Clausing Precision Drills</th>
<th>Clausing Precision Mills</th>
<th>Clausing Precision Grinders</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Clausing Belt-drive Drills</td>
<td>• Clausing Bed Mills</td>
<td>• Clausing Manual Grinders</td>
</tr>
<tr>
<td>• Clausing Geared-head Drills</td>
<td>• Clausing CNC Bed Mills</td>
<td>• Clausing 2 Axes Hydraulic Grinders</td>
</tr>
<tr>
<td>• Clausing Radial Drills</td>
<td>• Clausing Knee Mills</td>
<td>• Clausing 3 Axes Hydraulic Grinders</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Clausing Precision Mills</th>
<th>Clausing Precision Cutting Machines</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Clausing Bed Mills</td>
<td>• Clausing/Kalamazoo Horizontal Bandsaws</td>
</tr>
<tr>
<td>• Clausing CNC Bed Mills</td>
<td>• Clausing/Kalamazoo Vertical Bandsaws</td>
</tr>
<tr>
<td>• Clausing Knee Mills</td>
<td>• Clausing/Kalamazoo Tilt Frame Miter Bandsaws</td>
</tr>
<tr>
<td>• Clausing EVS Knee Mills</td>
<td>• Clausing/Kalamazoo Cold Saws</td>
</tr>
<tr>
<td>• Clausing CNC Knee Mills</td>
<td></td>
</tr>
<tr>
<td>• Clausing Universal Mills</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Clausing Precision Lathes</th>
<th>Clausing Precision Cutting Machines</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Clausing/Colchester Geared Head Lathes</td>
<td>• Clausing/Kalamazoo Horizontal Bandsaws</td>
</tr>
<tr>
<td>• Clausing/Colchester Professional V.S. Lathes</td>
<td>• Clausing/Kalamazoo Vertical Bandsaws</td>
</tr>
<tr>
<td>• Clausing/Colchester MAGNUM V.S. Lathes</td>
<td>• Clausing/Kalamazoo Tilt Frame Miter Bandsaws</td>
</tr>
<tr>
<td>• Clausing C Series Lathes</td>
<td>• Clausing/Kalamazoo Cold Saws</td>
</tr>
<tr>
<td>• Clausing Large Swing Standard Lathes</td>
<td></td>
</tr>
<tr>
<td>• Clausing Large Swing CNC Lathes</td>
<td></td>
</tr>
<tr>
<td>• Clausing CT Precision Toolroom Lathes</td>
<td></td>
</tr>
<tr>
<td>• Clausing Multi-Turn CNC Flat Bed Lathes</td>
<td></td>
</tr>
</tbody>
</table>