PACKERS KROMER™ BALANCERS

- Renowned world-wide for being the highest quality spring balancers available.
- Used in the ergonomic placement of production tools.
- Reduce worker fatigue, safety hazards and tool damage.
- Allow for improved accuracy and production volume.
- Created with superb craftsmanship.
- Many unique features, including quick change cable.

"Quality and Performance that Sets the Standard for the World"
### Lightweight

**Physicla Dimensions**
- Rotation: 360°
- Clearance: 3”
- Safety Hanger Opening: 5/8”
- Safety Chain Length: 9”
- Tool Mounting Point: 5/16”
- Depth: 3.5”
- Diameter: 5.5”
- Length: 19”
- Weight: 3.3 lbs.
- Cable Travel: 4.9 Feet
- Cable Extension: 114”
- Cable Diameter: 3 mm

**Load Range**

<table>
<thead>
<tr>
<th>Model</th>
<th>Pounds</th>
<th>Kilograms</th>
</tr>
</thead>
<tbody>
<tr>
<td>7228-1</td>
<td>0.8 - 2.6</td>
<td>0.4 - 1.2</td>
</tr>
<tr>
<td>7228-2</td>
<td>2.6 - 5.7</td>
<td>1.2 - 2.6</td>
</tr>
<tr>
<td>7228-3</td>
<td>5.7 - 8.4</td>
<td>2.6 - 3.8</td>
</tr>
<tr>
<td>7228-4</td>
<td>8.4 - 11.4</td>
<td>3.8 - 5.2</td>
</tr>
<tr>
<td>7228-5</td>
<td>11.4 - 14.3</td>
<td>5.2 - 6.5</td>
</tr>
</tbody>
</table>

**Features**
- Locking Safety Hanger
- High Impact Housing
- Drum Lock Slot
- Steel Cable
- Quick Change Cable

### Intermediate

**Physicla Dimensions**
- Rotation: 360°
- Clearance: 4”
- Hook Opening: 9/16”
- Safety Chain Length: 9”
- Tool Mounting Point: 5/16”
- Depth: 5”
- Diameter: 7”
- Length: 21”
- Weight: 8.5 lbs.
- Cable Travel: 6.5 Feet
- Cable Extension: 66”
- Cable Diameter: 3 mm

**Load Range**

<table>
<thead>
<tr>
<th>Model</th>
<th>Pounds</th>
<th>Kilograms</th>
</tr>
</thead>
<tbody>
<tr>
<td>7230-1</td>
<td>6.6 - 11</td>
<td>3 - 5</td>
</tr>
<tr>
<td>7230-2</td>
<td>10 - 15</td>
<td>4 - 7</td>
</tr>
<tr>
<td>7230-3</td>
<td>13.3 - 22</td>
<td>6 - 10</td>
</tr>
<tr>
<td>7230-4</td>
<td>20 - 30</td>
<td>9 - 14</td>
</tr>
<tr>
<td>7230-5</td>
<td>28.7 - 37</td>
<td>13 - 17</td>
</tr>
<tr>
<td>7230-6</td>
<td>35.2 - 46.3</td>
<td>16 - 21</td>
</tr>
</tbody>
</table>

**Features**
- Floating Rotating Suspension
- High Impact Housing
- Recessed Safe Adjustments
- Safety Drum Lock
- Steplcss Tension Adjustment
- Quick Change Cable
- Automatic Safety Detent
- Safety Chain Installed
- Riveted Cold Rolled Spring
- Optional Ratchet Lock (7231)

### Heavy Duty

**Physicla Dimensions**
- Rotation: 360°
- Clearance: 6”
- Hook Opening: 15/16” ID
- Safety Chain Length: 15”
- Safety Chain Rating: 3880 lbs.
- Tool Mounting Point: 9/16”
- Depth: 8”
- Diameter: 9.8”
- Length: 30”
- Weight: 45 lbs.
- Cable Travel: 6.5 Feet
- Cable Extension: 24”
- Cable Diameter: 5 mm

**Load Range**

<table>
<thead>
<tr>
<th>Model</th>
<th>Pounds</th>
<th>Kilograms</th>
</tr>
</thead>
<tbody>
<tr>
<td>7241-1</td>
<td>26 - 44</td>
<td>12 - 20</td>
</tr>
<tr>
<td>7241-2</td>
<td>44 - 66</td>
<td>20 - 30</td>
</tr>
<tr>
<td>7241-3</td>
<td>66 - 99</td>
<td>30 - 45</td>
</tr>
<tr>
<td>7241-4</td>
<td>99 - 132</td>
<td>45 - 60</td>
</tr>
<tr>
<td>7241-5</td>
<td>132 - 165</td>
<td>60 - 75</td>
</tr>
<tr>
<td>7241-6</td>
<td>165 - 198</td>
<td>75 - 90</td>
</tr>
<tr>
<td>7241-7</td>
<td>198 - 220</td>
<td>90 - 100</td>
</tr>
</tbody>
</table>

**Features**
- Floating Rotating Suspension
- Locking Safety Hook
- Recessed Safe Adjustments
- Safety Drum Lock
- Steplcss Tension Adjustment
- Quick Change Cable
- Automatic Safety Detent
- Safety Chain Installed
- Containerized Cold Rolled Spring
- Exclusive Cable Limiter
- Easy Load Leveling
- Easy Spring Change
**INTERMEDIATE SERIES 7230**

**Cable Extension 24”**
- Weight: 45 lbs.
- Length: 30”
- Diameter: 9.8”
- Depth: 8”
- Safety Chain Rating: 3880 lbs.
- Hook Opening: 15/16” ID

**PHYSICAL DIMENSIONS**
- Cable Travel: 6.5 Feet
- Weight: 8.5 lbs.
- Depth: 5”
- Tool Mounting Point: 5/16”
- Safety Chain Length: 9”
- Clearance: 4”

**FEATURES**
- Safety Drum Lock
- Recessed Safe Adjustments
- Locking Safety Hook
- Floating Rotating Suspension
- Quick Change Cable
- Safety Drum Lock
- Floating Rotating Suspension
- Steel Cable
- Drum Lock Slot
- Locking Safety Hanger

**LOAD RANGE**

<table>
<thead>
<tr>
<th>Model</th>
<th>Pounds</th>
<th>Kilograms</th>
</tr>
</thead>
<tbody>
<tr>
<td>7223-49</td>
<td>.9 - 2.6</td>
<td>.4 - 1.2</td>
</tr>
<tr>
<td>7223-50</td>
<td>2.6 - 4.8</td>
<td>1.2 - 2.2</td>
</tr>
<tr>
<td>7223-51</td>
<td>4.8 - 6.6</td>
<td>2.2 - 3.0</td>
</tr>
</tbody>
</table>

**OPTIONAL ACCESSORIES**

- **Universal Crosby/Bullard Golden Gate Hook**
  - Part No. 80892
  - For Series 7230

- **Automatic Alignment Suspension with Crosby/Bullard Golden Gate Hook**
  - Part No. 80889
  - For Series 7241
  - Part No. 80888
  - For Series 7230

- **Swivel Electrical Insulators**
  - 1000 Volts
  - 550 lb
  - To be installed between balancer cable and the welding equipment.

- **Cable with Swivel**
  - Model 7211: Part No. 007.335205
  - Model 7221: Part No. 007.335204
  - Model 7221 (6.5’): Part No. 007.335209
  - Model 7228: Part No. 007.335206
  - Model 7230: Part No. 007.335204

- **Stainless Steel Cable**
  - Part No. 007.040012
  - For Series 7241, 7251

- **Coated Cable**
  - Part No. 007.335175
  - For Series 7228, 7230

- **Crimping Tool**
  - Part No. 31482688

- **Cable Cutters**
  - Part No. 59680007
# Retractors

## Retractor Series 7200 & 7211

### Physical Dimensions

<table>
<thead>
<tr>
<th></th>
<th>7200</th>
<th>7211</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hanging Point</td>
<td>3/8”</td>
<td>5/16”</td>
</tr>
<tr>
<td>Tool Mounting Point</td>
<td>3/16”</td>
<td>5/16”</td>
</tr>
<tr>
<td>Depth</td>
<td>2.6”</td>
<td>2.6”</td>
</tr>
<tr>
<td>Diameter</td>
<td>3.9”</td>
<td>4.7”</td>
</tr>
<tr>
<td>Length</td>
<td>14”</td>
<td>17”</td>
</tr>
<tr>
<td>Weight</td>
<td>1.1 lbs.</td>
<td>2 lbs.</td>
</tr>
<tr>
<td>Cable Travel</td>
<td>4 Feet</td>
<td>6.5 Feet</td>
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### Load Range

<table>
<thead>
<tr>
<th>Model</th>
<th>Pounds</th>
<th>Kilograms</th>
</tr>
</thead>
<tbody>
<tr>
<td>7200-1</td>
<td>.6 - 2.6</td>
<td>.3 - 1.2</td>
</tr>
<tr>
<td>7211-2</td>
<td>2.2 - 4.4</td>
<td>1.0 - 2.0</td>
</tr>
<tr>
<td>7211-3</td>
<td>4.4 - 6.6</td>
<td>2.0 - 3.0</td>
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</table>

### Features
- Stepless Load Adjustment
- Steel Cable
- Riveted Cold Rolled Spring
- Trigger Snap Hook

## Retractor Series 7221

### Physical Dimensions

<table>
<thead>
<tr>
<th></th>
<th>7200</th>
<th>7211</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rotation</td>
<td>360°</td>
<td></td>
</tr>
<tr>
<td>Clearance</td>
<td>4”</td>
<td></td>
</tr>
<tr>
<td>Safety Hanger Opening</td>
<td>5/8”</td>
<td></td>
</tr>
<tr>
<td>Safety Chain Length</td>
<td>9”</td>
<td></td>
</tr>
<tr>
<td>Safety Chain Rating</td>
<td>274 lbs.</td>
<td></td>
</tr>
<tr>
<td>Tool Mounting Point</td>
<td>5/16”</td>
<td></td>
</tr>
<tr>
<td>Depth</td>
<td>3.2”</td>
<td></td>
</tr>
<tr>
<td>Diameter</td>
<td>7”</td>
<td></td>
</tr>
<tr>
<td>Length</td>
<td>21”</td>
<td></td>
</tr>
<tr>
<td>Weight</td>
<td>8 lbs.</td>
<td></td>
</tr>
<tr>
<td>Cable Travel</td>
<td>see table</td>
<td></td>
</tr>
<tr>
<td>Cable Extension</td>
<td>31.5”</td>
<td></td>
</tr>
<tr>
<td>Cable Diameter</td>
<td>3 mm</td>
<td></td>
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### Load Range

<table>
<thead>
<tr>
<th>Model</th>
<th>Pounds</th>
<th>Kilograms</th>
<th>Cable Travel</th>
</tr>
</thead>
<tbody>
<tr>
<td>7221- 41</td>
<td>4.4 - 11.0</td>
<td>2 - 5</td>
<td>9.75’</td>
</tr>
<tr>
<td>7221- 42</td>
<td>8.8 - 13.3</td>
<td>4 - 6</td>
<td>9.75’</td>
</tr>
<tr>
<td>7221- 3</td>
<td>13.3 - 17.6</td>
<td>6 - 8</td>
<td>6.5’</td>
</tr>
<tr>
<td>7221- 4</td>
<td>17.6 - 22.0</td>
<td>8 - 10</td>
<td>6.5’</td>
</tr>
<tr>
<td>7221- 44</td>
<td>13.3 - 17.6</td>
<td>6 - 8</td>
<td>14’</td>
</tr>
</tbody>
</table>

### Features
- Floating Self Aligning Suspension
- Steel Cable
- Locking Safety Hanger
- Locking Safety Hook
- Stepless Tension Adjustment
- Automatic Safety Detent
- Safety Chain Installed
- Steel Banded Cold Rolled Spring
- Drum Lock Slot
- Quick Change Cable

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## The Highest Quality Spring Balancers Available

Packers KROMER™ Static Load Balancers are used in the ergonomic placement of production tools. Special emphasis was given to attributes providing decisive ergonomic advantages, functional reliability and safety during operation. Zero Gravity is achieved when the balancer is adjusted for the weight of the tool or fixture throughout the cable travel or hose travel. After the balancer has been adjusted to compensate for the weight of the tool, the tool may be used at any point along the cable travel, without increasing or decreasing forces.

## Introducing the KROMER™ Team

We take pride in our team environment and possess an unparalleled commitment to both inventory and the technical aspects of each of our balancers. We strive to meet your balancer requirements with “same day” information and delivery and routinely provide onsite presentations, installation and maintenance training. An assembly video is also available for customer reference.
**HEAVY DUTY SERIES 7251 SINGLE SPRING**

**PHYSICAL DIMENSIONS**
- Rotation: 360°
- Clearance: 8”
- Hook Opening: 15/16” ID
- Safety Chain Length: 15”
- Safety Chain Rating: 3880 lbs.
- Tool Mounting Point: 1”
- Depth: 10”
- Diameter: 11”
- Length: 31”
- Weight: 72 lbs.
- Cable Travel: 9.8 Feet
- Cable Extension: 36”
- Cable Diameter: 5 mm

**LOAD RANGE**

<table>
<thead>
<tr>
<th>Model</th>
<th>Pounds</th>
<th>Kilograms</th>
</tr>
</thead>
<tbody>
<tr>
<td>7251-02</td>
<td>55 - 77</td>
<td>25 - 35</td>
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<tr>
<td>7251-03</td>
<td>77 - 110</td>
<td>35 - 50</td>
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<tr>
<td>7251-04</td>
<td>110 - 143</td>
<td>50 - 65</td>
</tr>
<tr>
<td>7251-05</td>
<td>143 - 176</td>
<td>65 - 80</td>
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<tr>
<td>7251-06</td>
<td>176 - 198</td>
<td>80 - 90</td>
</tr>
<tr>
<td>7251-07</td>
<td>198 - 220</td>
<td>90 - 100</td>
</tr>
</tbody>
</table>

**FEATURES**
- Floating Rotating Suspension
- Locking Safety Hook
- Recessed Safe Adjustments
- Safety Drum Lock
- Stepless Tension Adjustment
- Quick Change Cable

**ULTRA HEAVY DUTY SERIES 7251 DOUBLE SPRING**

**PHYSICAL DIMENSIONS**
- Rotation: 360°
- Clearance: 8”
- Hook Opening: 15/16” ID
- Safety Chain Length: 15”
- Safety Chain Rating: 3880 lbs.
- Tool Mounting Point: 1”
- Depth: 14”
- Diameter: 11”
- Length: 31”
- Weight: 106 lbs.
- Cable Travel: 9.8 Feet
- Cable Extension: 36”
- Cable Diameter: 5 mm

**LOAD RANGE**

<table>
<thead>
<tr>
<th>Model</th>
<th>Pounds</th>
<th>Kilograms</th>
</tr>
</thead>
<tbody>
<tr>
<td>7251-08</td>
<td>220 - 253</td>
<td>100 - 115</td>
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<tr>
<td>7251-09</td>
<td>253 - 286</td>
<td>115 - 130</td>
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<tr>
<td>7251-10</td>
<td>286 - 308</td>
<td>130 - 140</td>
</tr>
<tr>
<td>7251-11</td>
<td>308 - 330</td>
<td>140 - 150</td>
</tr>
</tbody>
</table>

**FEATURES**
- Automatic Safety Detent
- Safety Chain Installed
- Containerized Cold Rolled Spring
- Exclusive Cable Limiter
- Easy Load Leveling
- Easy Spring Change

**ULTRA HEAVY DUTY SERIES 7261**

**PHYSICAL DIMENSIONS**
- Rotation: 360°
- Clearance: 8”
- Eye Bolt ID: 1 9/16” ID
- Safety Chain Length: 15”
- Safety Chain Rating: 3880 lbs.
- Tool Mounting Point: 15/16”
- Depth: 14”
- Diameter: 11”
- Length: 42”
- Weight: 121 lbs.
- Cable Travel: 4.9 Feet
- Cable Diameter: 5 mm

**LOAD RANGE**

<table>
<thead>
<tr>
<th>Model</th>
<th>Pounds</th>
<th>Kilograms</th>
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</thead>
<tbody>
<tr>
<td>7261-1</td>
<td>331 - 385</td>
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<td>7261-2</td>
<td>385 - 440</td>
<td>175 - 200</td>
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<td>7261-3</td>
<td>440 - 496</td>
<td>200 - 225</td>
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<tr>
<td>7261-4</td>
<td>496 - 551</td>
<td>225 - 250</td>
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<tr>
<td>7261-5</td>
<td>551 - 606</td>
<td>250 - 275</td>
</tr>
<tr>
<td>7261-6</td>
<td>606 - 661</td>
<td>275 - 300</td>
</tr>
</tbody>
</table>

**FEATURES**
- Automatic Safety Detent
- Safety Chain Installed
- Containerized Cold Rolled Spring
- Exclusive Cable Limiter
- Easy Load Leveling
- Easy Spring Change
**Manufacturing & Assembly Applications**
- Spot Welding
- Hydraulic Rivet Guns
- Single Spindle Nut Runners
- Positioning Fixtures
- Air & Hydraulic Hoses
- Power Supply Cables
- Fluid Filling Guns
- Glue Guns
- Multiple Nut Runners

**Work Station Applications**
- Rivet Guns
- Clamping Guns
- Drills
- Banders
- Screwdrivers
- Air Impacts
- Punches
- Nut Runners
- Clinching
- Measuring

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**Packers KROMER™**

**Tool & Fixture Balancers**

**THE NUMBER ONE CHOICE OF KEY ASSEMBLY CUSTOMERS FOR THESE UNIQUE FEATURES:**
- Zero Gravity Performance
- Standard Safety Features
- Broad Load Capacities
- Superior Main Spring Life
- Flexibility via Modular Design
- Simplistic Maintenance Features
- Quick Change Cables
- Availability
- High Flex Steel Cable

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**Contact your Local Distributor:**

**Packers KROMER™**

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email: sales@packerskromer.com

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