

Packers **KROMER™**

“Zero Gravity”™ Balancers

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”**



Packers **KROMER™**

"Zero Gravity"™ Tool & Fixture Balancers

LIGHTWEIGHT

SERIES 7228



PHYSICAL DIMENSIONS

| | |
|-----------------------|----------|
| Rotation | 360° |
| Clearance | 3" |
| Safety Hanger Opening | 9/16" |
| Safety Chain Length | 9" |
| Safety Chain Rating | 274 lbs. |
| Tool Mounting Point | 1" |
| Depth | 3.2" |
| Diameter | 5.5" |
| Length | 12" |
| Weight | 3 lbs. |
| Cable Travel | 4.9 Feet |
| Cable Extension | 114" |
| Cable Diameter | 3 mm |

LOAD RANGE

| Model | Pounds | Kilograms |
|--------|-------------|-----------|
| 7228-1 | .88 - 2.65 | .4 - 1.2 |
| 7228-2 | 2.65 - 5.73 | 1.2 - 2.6 |
| 7228-3 | 5.73 - 8.38 | 2.6 - 3.8 |
| 7228-4 | 8.38 - 11.4 | 3.8 - 5.2 |
| 7228-5 | 11.4 - 14.3 | 5.2 - 6.5 |

FEATURES

- Locking Safety Hanger
- High Impact Housing
- Drum Lock Slot
- Steel Cable
- Quick Change Cable
- Safety Detent Models 3,4,5
- Stepless Tension Adjustment
- Safety Chain Installed
- Riveted Cold Rolled Spring
- Locking Safety Hook

INTERMEDIATE

SERIES 7230



PHYSICAL DIMENSIONS

| | |
|---------------------|----------|
| Rotation | 360° |
| Clearance | 4" |
| Hook Opening | 9/16" |
| Safety Chain Length | 9" |
| Safety Chain Rating | 274 lbs. |
| Tool Mounting Point | 9/16" |
| Depth | 5" |
| Diameter | 7" |
| Length | 15" |
| Weight | 8.5 lbs. |
| Cable Travel | 6.5 Feet |
| Cable Extension | 66" |
| Cable Diameter | 3 mm |

LOAD RANGE

| Model | Pounds | Kilograms |
|--------|-------------|-----------|
| 7230-1 | 6.60 - 11 | 3 - 5 |
| 7230-2 | 10.0 - 15 | 4 - 7 |
| 7230-3 | 13.3 - 22 | 6 - 10 |
| 7230-4 | 20.0 - 30 | 9 - 14 |
| 7230-5 | 28.7 - 37 | 13 - 17 |
| 7230-6 | 35.3 - 46.3 | 16 - 21 |

FEATURES

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

HEAVY DUTY

SERIES 7241



PHYSICAL DIMENSIONS

| | |
|---------------------|-----------|
| Rotation | 360° |
| Clearance | 6" |
| Hook Opening | 15/16" ID |
| Safety Chain Length | 15" |
| Safety Chain Rating | 3880 lbs. |
| Tool Mounting Point | 1" |
| Depth | 7" |
| Diameter | 9.8" |
| Length | 28" |
| Weight | 45 lbs. |
| Cable Travel | 6.5 Feet |
| Cable Extension | 24" |
| Cable Diameter | 5 mm |

LOAD RANGE

| Model | Pounds | Kilograms |
|--------|-----------|-----------|
| 7241-1 | 26 - 44 | 12 - 20 |
| 7241-2 | 44 - 66 | 20 - 30 |
| 7241-3 | 66 - 99 | 30 - 45 |
| 7241-4 | 99 - 132 | 45 - 60 |
| 7241-5 | 132 - 165 | 60 - 75 |
| 7241-6 | 165 - 198 | 75 - 90 |
| 7241-7 | 198 - 220 | 90 - 100 |

FEATURES

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

- Reduce Worker Injury & Comp Claims
- Improve Accuracy & Production Volume
- Minimize Repair and Replacement

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 | 11.5" |
| Length | 31" |
| Weight | 72 lbs. |
| Cable Travel | 9.8 Feet |
| Cable Extension | 36" |
| Cable Diameter | 5 mm |

LOAD RANGE

| Model | Pounds | Kilograms |
|---------|-----------|-----------|
| 7251-02 | 55 - 77 | 25 - 35 |
| 7251-03 | 77 - 110 | 35 - 50 |
| 7251-04 | 110 - 143 | 50 - 65 |
| 7251-05 | 143 - 176 | 65 - 80 |
| 7251-06 | 176 - 198 | 80 - 90 |
| 7251-07 | 198 - 220 | 90 - 100 |

FEATURES

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

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 | 11.5" |
| Length | 31" |
| Weight | 104 lbs. |
| Cable Travel | 9.8 Feet |
| Cable Extension | 36" |
| Cable Diameter | 5 mm |

LOAD RANGE

| Model | Pounds | Kilograms |
|---------|-----------|-----------|
| 7251-08 | 220 - 253 | 100 - 115 |
| 7251-09 | 253 - 286 | 115 - 130 |
| 7251-10 | 286 - 308 | 130 - 140 |
| 7251-11 | 308 - 330 | 140 - 150 |

FEATURES

- Floating Rotating Suspension
- Locking Safety Hook
- Recessed Safe Adjustments
- Safety Drum Lock
- Stepless Tension Adjustment
- Quick Change Cable
- 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 | 11.5" |
| Length | 45.5" |
| Weight | 115 lbs. |
| Cable Travel | 4.9 Feet |
| Cable Diameter | 5 mm |

LOAD RANGE

| Model | Pounds | Kilograms |
|--------|-----------|-----------|
| 7261-1 | 331 - 385 | 150 - 175 |
| 7261-2 | 385 - 440 | 175 - 200 |
| 7261-3 | 440 - 496 | 200 - 225 |
| 7261-4 | 496 - 551 | 225 - 250 |
| 7261-5 | 551 - 606 | 250 - 275 |
| 7261-6 | 606 - 661 | 275 - 300 |

FEATURES

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

Integrated Air Hose & Accessories

INTEGRATED AIR HOSE

SERIES 7223



PHYSICAL DIMENSIONS

| | |
|-----------------------|-----------|
| Rotation | 360° |
| Clearance | 3" |
| Safety Hanger Opening | 9/16 |
| Safety Chain Length | 9" |
| Safety Chain Rating | 274 lbs. |
| Coupler | Universal |
| Depth | 3.5" |
| Diameter | 5.5" |
| Length | 13.4" |
| Weight | 3 lbs. |
| Travel | 31.5" |
| Hose | 1/4" I.D. |
| Air Flow | 32 cfm |

LOAD RANGE

| Model | Pounds | Kilograms |
|---------|-------------|-----------|
| 7223-49 | .88 - 2.65 | .4 - 1.2 |
| 7223-50 | 2.65 - 4.85 | 1.2 - 2.2 |
| 7223-51 | 4.85 - 6.61 | 2.2 - 3.0 |

FEATURES

- Locking Safety Hanger
- Stepless Load Adjustment
- Quick Release Coupler
- Air Pressure - 145 psi (14.13 cfm)
- Safety Chain Installed
- Ideal for Work Stations
- Riveted Cold Rolled Spring
- High Impact Housing

OPTIONAL ACCESSORIES



Universal
Crosby/Bullard
Golden Gate
Hook



Part No. 80892
For Series 7230

Part No. 80889
For Series 7241
7251, 7261



Automatic Alignment
Suspension
with Crosby/Bullard
Golden Gate Hook

Part No. 80888
For Series 7230



Swivel
Electrical Insulators

1000 Volts
550 lb

To be installed between balancer
cable and the welding equipment.

Part No. 007.415000
For Series 7241
7251, 7261

Cable with Swivel

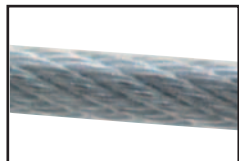


| Model | Part No. |
|------------|------------|
| 7211 | 007.335205 |
| 7221(6.5') | 007.335204 |
| 7221(9.8') | 007.335209 |
| 7228 | 007.335206 |
| 7230 | 007.335204 |



Part No. 007.040012
For Series
7241, 7251

Coated Cable



Part No. 007.335175
For Series
7228, 7230

Stainless Steel Cable



| Model | Part No. |
|------------|------------|
| 7200 | 007.335142 |
| 7221 | 007.335132 |
| 7221(6.5') | 007.335135 |
| 7221(9.8') | 007.335133 |
| 7228 | 007.335134 |
| 7230 | 007.335135 |
| 7241 | 007.335136 |
| 7251 | 007.335137 |



Crimping Tool
Part No.
31482688

Cable Cutters
Part No.
59680007

Retractors

RETRACTOR

SERIES 7200 & 7211



PHYSICAL DIMENSIONS

| | 7200 | 7211 |
|---------------------|----------|----------|
| Hanging Point | 3/8" | 5/16" |
| Tool Mounting Point | 15/16" | 15/16" |
| Depth | 2.6" | 2.6" |
| Diameter | 3.9" | 4.7" |
| Length | 8" | 10" |
| Weight | 1.1 lbs. | 2 lbs. |
| Cable Travel | 4 Feet | 6.5 Feet |

LOAD RANGE

| Model | Pounds | Kilograms |
|--------|------------|-----------|
| 7200-1 | .66 - 2.65 | .3 - 1.2 |
| 7211-2 | 2.2 - 4.4 | 1.0 - 2.0 |
| 7211-3 | 4.4 - 6.6 | 2.0 - 3.0 |

FEATURES

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

RETRACTOR

SERIES 7221



PHYSICAL DIMENSIONS

| | |
|-----------------------|-----------|
| Rotation | 360° |
| Clearance | 4" |
| Safety Hanger Opening | 1" |
| Safety Chain Length | 9" |
| Safety Chain Rating | 274 lbs. |
| Tool Mounting Point | 1" |
| Depth | 3.2" |
| Diameter | 7" |
| Length | 15" |
| Weight | 8 lbs. |
| Cable Travel | see table |
| Cable Extension | 31.5" |
| Cable Diameter | 3 mm |

LOAD RANGE

| Model | Pounds | Kilograms | Cable Travel |
|----------|-----------|-----------|--------------|
| 7221- 41 | 4.40-11.0 | 2 - 5 | 9.75' |
| 7221- 42 | 8.80-13.3 | 4 - 6 | 9.75' |
| 7221- 3 | 13.3-17.6 | 6 - 8 | 6.5' |
| 7221- 4 | 17.6-22.0 | 8 - 10 | 6.5' |
| 7221- 44 | 13.3-17.6 | 6 - 8 | 14.8' |

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

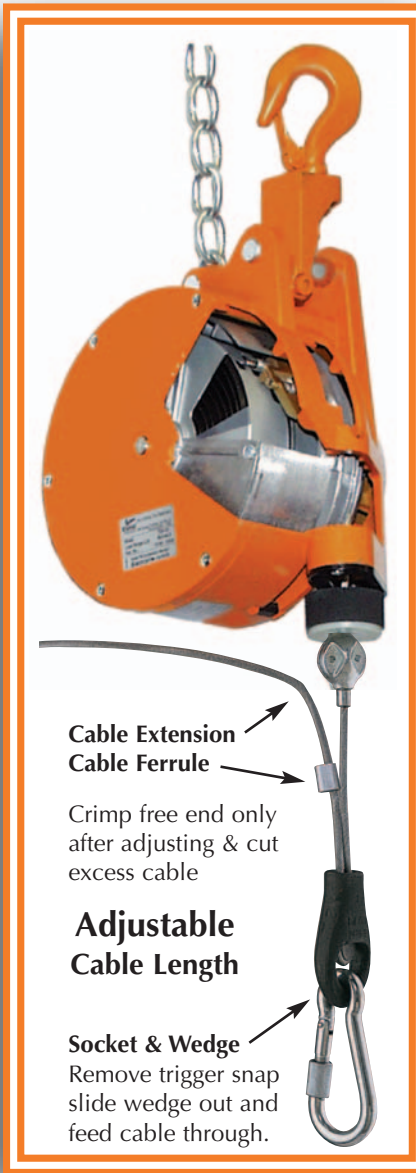
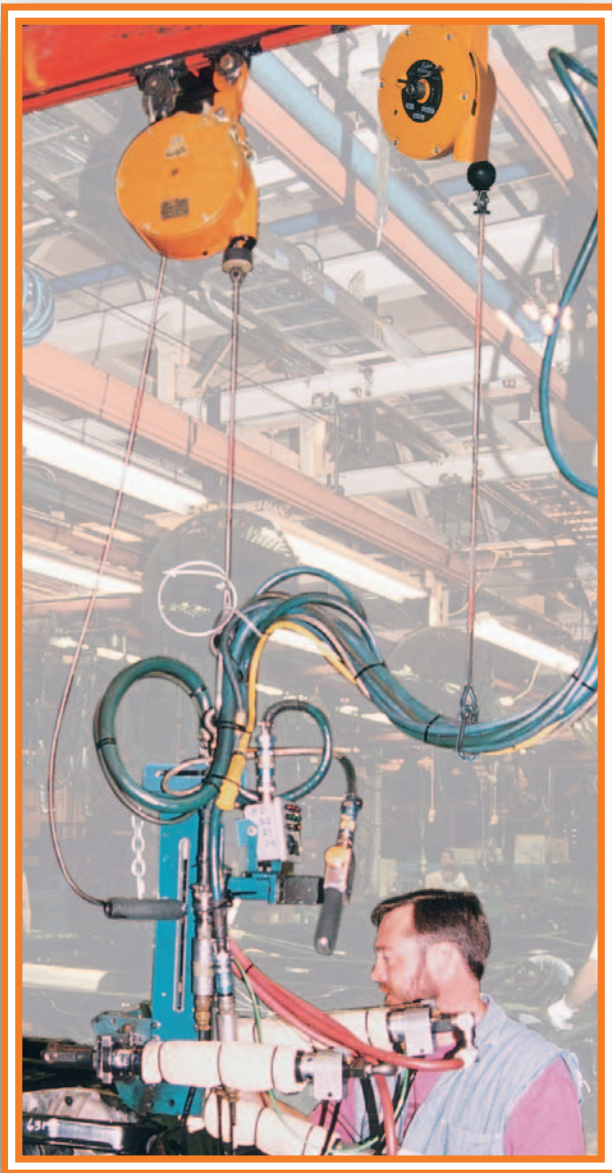
The Highest Quality Spring Balancers Available

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.



**Cable Extension
Cable Ferrule**

Crimp free end only
after adjusting & cut
excess cable

**Adjustable
Cable Length**

Socket & Wedge

Remove trigger snap
slide wedge out and
feed cable through.

**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

Packers KROMER™ "Zero Gravity™"
 Tool & Fixture Balancers

THE NUMBER ONE CHOICE OF KEY ASSEMBLY CUSTOMERS FOR THESE UNIQUE FEATURES:

- Zero Gravity Performance
- Superior Main Spring Life
- Quick Change Cables
- Standard Safety Features
- Flexibility via Modular Design
- Availability
- Broad Load Capacities
- Simplistic Maintenance Features
- High Flex Steel Cable

Contact your Local Distributor:



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