

# Packers **KROMER**™

## “Zero Gravity”™ Balancers

### PACKERS KROMER™ BALANCERS

- Renowned world-wide for being the highest quality spring balancers available.
- Created with superb craftsmanship.
- Simplistic maintenance features.
- Used in the ergonomic placement of production tools.
- Reduce worker fatigue, safety hazards and tool/air hose damage.
- Allow for improved accuracy and production volume.

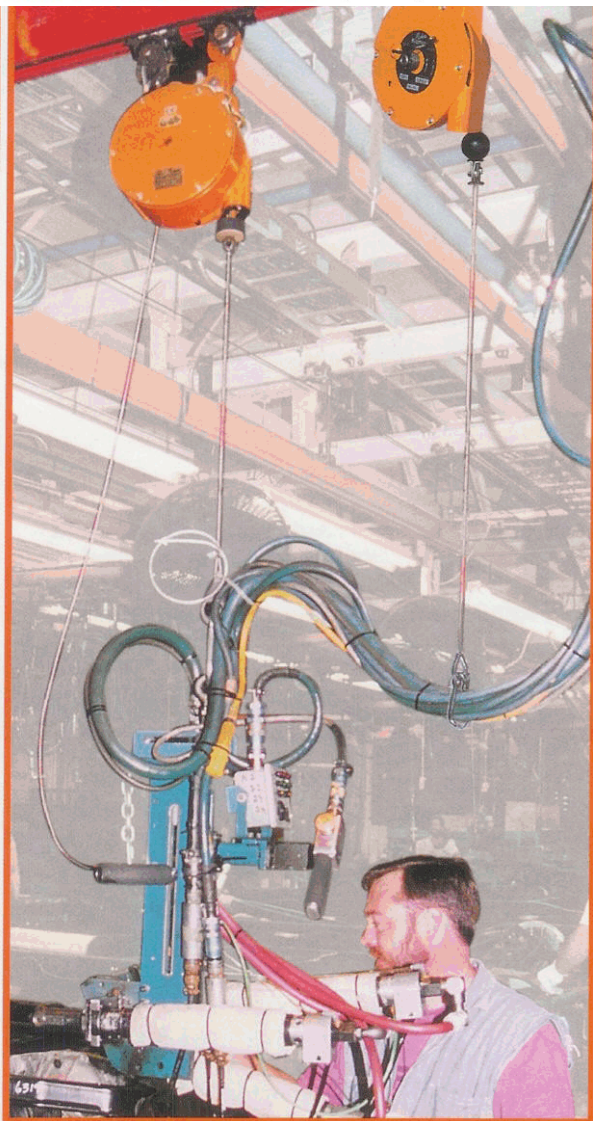


**Lou Zampini & Associates**  
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Smithfield, RI 02917  
1 800 353 4676  
FAX 1 401 679 0165

**“Quality and Performance that  
Sets the Standard for the World”**







### Manufacturing & Assembly Applications

- Spot Welding
- Hydraulic Rivet Guns
- Single Spindle Nut Runners
- Positioning Fixtures
- Air & Hydraulic Hoses
- Fluid Filling Guns
- Glue Guns
- Multiple Nut Runners

### Work Station Applications

- Rivet Guns
- Clamping Guns
- Drills
- Banders
- Screwdrivers
- Air Impacts
- Punches
- Nut Runners

## Packers **KROMER**<sup>TM</sup> "Zero Gravity"<sup>TM</sup> Tool Balancers

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

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

Contact your Local Distributor:

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# Packers KROMER Balancers

## 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	6.5 Feet
Cable Extension	31.5"
Cable Diameter	3 mm
Model 7221-44 travel	14.8 Feet

### LOAD RANGE

Model	Pounds	Kilograms
7221- 1	6.60 - 11.0	3 - 5
7221- 2	8.80 - 13.3	4 - 6
7221- 3	13.3 - 17.6	6 - 8
7221- 4	17.6 - 22.0	8 - 10
7221-44	13.3 - 17.6	6 - 8

### FEATURES

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

## 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 or positioned and will remain in the same position 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 fill your balancer requirements with "same day" information and delivery, routinely provides onsite presentations, installation and maintenance training. An assembly video tape is also available for customer reference.



# With an Ergonomic Advantage

## 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	39"
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
- Cold Rolled Spring
- Exclusive Cable Limiter
- Easy Load Leveling
- Easy Spring Change

## 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	39"
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
- Cold Rolled Spring
- Exclusive Cable Limiter
- Easy Load Leveling
- Easy Spring Change

## 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
- Cold Rolled Spring
- Exclusive Cable Limiter
- Easy Load Leveling
- Easy Spring Change



# Packers KRUMER "Zero Gravity"

## 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	Cejn
Depth	3.5"
Diameter	5.5"
Length	13.4"
Weight	3 lbs.
Travel	31.5"

### LOAD RANGE

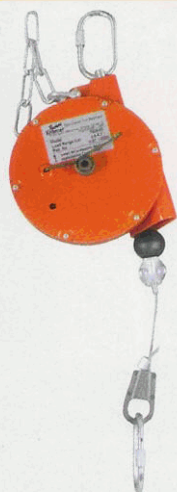
Model	Pounds	Kilograms
7223-1	.88 - 2.65	.4 - 1.2
7223-2	2.65 - 4.85	1.2 - 2.2
7223-3	4.85 - 6.61	2.2 - 3.0

### 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
- Ultramid B 35K Housing

## LIGHTWEIGHT

## SERIES 7228



### PHYSICAL DIMENSIONS

Rotation	360°
Clearance	3"
Safety Hanger Opening	13/16"
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	72"
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
- Ultramid B 35K 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	72"
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
- Ultramid B 35K 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)