

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”***



LIGHTWEIGHT

SERIES 7228



PHYSICAL DIMENSIONS

Rotation	360°
Clearance	3"
Safety Hanger Opening	5/8"
Safety Chain Length	9"
Safety Chain Rating	274 lbs.
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

Model	Pounds	Kilograms
7228-1	.8 - 2.6	.4 - 1.2
7228-2	2.6 - 5.7	1.2 - 2.6
7228-3	5.7 - 8.4	2.6 - 3.8
7228-4	8.4 - 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	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

Model	Pounds	Kilograms
7230-1	6.6 - 11	3 - 5
7230-2	10 - 15	4 - 7
7230-3	13.3 - 22	6 - 10
7230-4	20 - 30	9 - 14
7230-5	28.7 - 37	13 - 17
7230-6	35.2 - 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	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

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"
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"
Length	31"
Weight	106 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"
Length	42"
Weight	121 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

Retractors

RETRACTOR

SERIES 7200 & 7211



PHYSICAL DIMENSIONS

	7200	7211
Rotation	360°	360°
Safety Hanger Opening	5/8"	5/8"
Tool Mounting Point	3/16"	5/16"
Safety Chain Rating	274 lbs.	274 lbs.
Depth	1.4"	1.77"
Width	4.25"	5.24"
Length	5.28"	6.6"
Weight	1.3 lbs.	1.76 lbs.
Cable Travel	5 Feet	8.2 Feet

LOAD RANGE

Model	Pounds	Kilograms	Travel
7200-1	0.7 - 3.3	0.3 - 1.5	5.2 ft.
7200-2	2.6 - 5.5	1.2 - 2.5	5.2 ft.
7211-1	1.1 - 4.4	0.5 - 2.0	8.2 ft.
7211-2	3.3 - 6.6	1.5 - 3.0	8.2 ft.

FEATURES

- Riveted Cold Rolled Spring
- Locking Safety Hanger
- Floating Self-Aligning Suspension
- Stepless Load Adjustment
- Steel Cable
- Drum Lock
- Safety Chain Standard
- Rigid Housing
- Quick Release/Locking Safety Hook (7211)

RETRACTOR

SERIES 7221



PHYSICAL DIMENSIONS

Rotation	360°
Clearance	4"
Safety Hanger Opening	5/8"
Safety Chain Length	9"
Safety Chain Rating	274 lbs.
Tool Mounting Point	5/16"
Depth	2.75"
Width	8.33"
Length	10.21"
Weight	8.58 lbs.
Cable Travel	9.8'
Cable Extension	?
Cable Diameter	3 mm

LOAD RANGE

Model	Pounds	Kilograms
7221- 1	4.4 - 11.0	2 - 5
7221- 2	8.8 - 17.6	4 - 8
7221- 3	15.4 - 22.0	7 - 10
7221- 4	22.0 - 30.0	10 - 14

FEATURES

- Riveted Cold Rolled Spring
- Quick Change Cable
- Locking Safety Hanger
- Floating Self-Aligning Suspension
- Stepless Load Adjustment
- Spring Protection Device
- Steel Cable
- Drum Lock
- Safety Chain Standard
- Rigid Housing
- Quick Release Coupler

Series/Model Improvements

- Increased load range
- Increased travel
- Tamper proof adjustment
- Spring protection (7221 Series)

Ratcheting versions available for 7211 and 7221 series

- 7212 series ratcheting equivalent of 7211
- 7222 series ratcheting equivalent of 7221

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.



Integrated Air Hose & Accessories

INTEGRATED AIR HOSE

SERIES 7223



PHYSICAL DIMENSIONS

Rotation	360°
Clearance	3"
Safety Hanger Opening	5/8"
Safety Chain Length	9"
Safety Chain Rating	274 lbs.
Coupler	Universal
Depth	3.9"
Diameter	5.5"
Length	16"
Weight	3 lbs.
Travel	31.5"
Hose	1/4" I.D.
Air Flow	32 cfm

LOAD RANGE

Model	Pounds	Kilograms
7223-49	.9 - 2.6	.4 - 1.2
7223-50	2.6 - 4.8	1.2 - 2.2
7223-51	4.8 - 6.6	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



Automatic Alignment
Suspension
with Crosby/Bullard
Golden Gate Hook



Swivel
Electrical Insulators

1000 Volts
550 lb

To be installed between balancer
cable and the welding equipment.

Part No. 80892
For Series 7230

Part No. 80889
For Series 7241
7251, 7261

Part No. 80888
For Series 7230

Part No. 80992
For Series 7241
Part No. 80993
For Series 7251

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



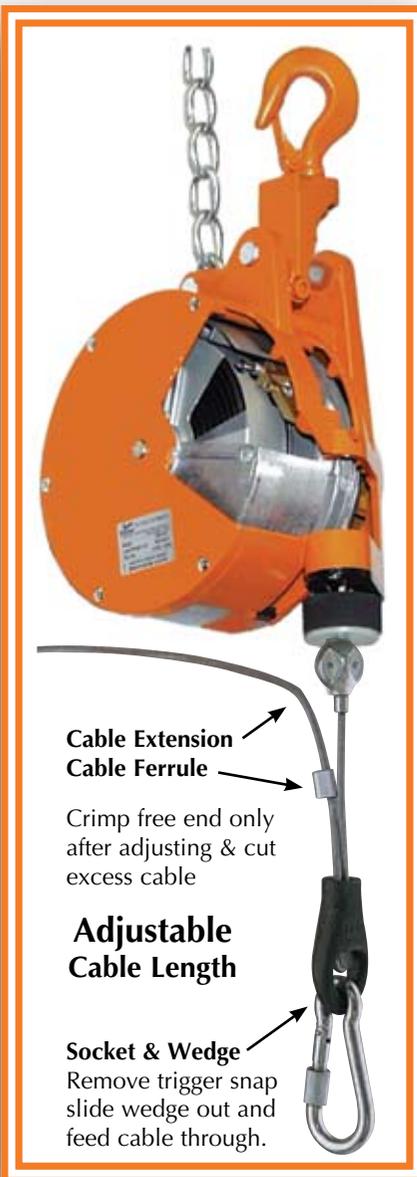
Crimping Tool

Part No.
31482688



Cable Cutters

Part No.
59680007



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

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.

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:

Packers KROMER™

6720 North 16th Street
Omaha, Nebraska 68112
Phone: 888-811-3254 • FAX: 402-451-6513
www.packerskromer.com
email: sales@packerskromer.com

Copyright © 2006 Bunzl Processor Division Co., Inc. • All Rights Reserved