Reeved



Reeved cable/Chain pneumatic Balancer Series



RKBA — cable type



RKBC — chain type

Reeved Pneumatic Balancers (Cable / Chain)

Series: RKBA450 / RKBA700 / RKBA1000 / RKBA1400 | RKBC400 / RKBC700 / RKBC1000 / RKBC1400

The Reeved Series pneumatic balancers are designed primarily for loads above **450 lbs [204 kg]**. The reeved pulley arrangement doubles the mechanical advantage, while the lifting stroke is **half** that of a standard balancer.

Reeved balancers come standard with a swivel hook on the pulley for flexible, safe operation. Operating at **80% of rated capacity** is recommended to compensate for fluctuations in plant air pressure. Units are rated at **100 psi [6.8 bar]**.

Example: 60 psi plant air × 350 lbs balancer × 0.80 = 168 lbs actual working capacity

Model Numbers — Cable Series (RKBA): RKBA450-036 | RKBA450-55 | RKBA700-036 | RKBA1000-040 | RKBA1400-027

Model Numbers — Chain Series (RKBC): RKBC400-055 | RKBC450-33 | RKBC700-033 | RKBC1000-040 | RKBC1400-026

Features & benefits

Features

- CE Compliant
- Two versions: Cable or Chain
- Hands-Free Operation
- "Float" mode as standard
- Internal centrifugal retract control
- Requires clean, dry, non-lubricated air
- Max. balancing load: up to **1,400 lbs [635 kg]**
- Standard stroke: up to **55 in. [1,397 mm]**
- Reeved pulley doubles the mechanical advantage

Benefits & options

- Optional External Retract control
- Optional Limit Switch
- Optional High Relieving & Feathertouch controls
- Wide range of compatible Suspension Kits
- Easy integration with Knight RAD4110/6110/7510 aluminum rail
- Supports pneumatic Rotary Union connection
- BPA2065 cable pulley — doubles RKBA capacity
- BPA2066 chain pulley — doubles RKBC capacity

Reeved Cable Balancers — RKBA Series

Model No.	Rated Load		Max. Stroke	
lbs	kg	in.	mm	
RKBA450-036	450	204	36	914
RKBA450-55	450	204	55	1,397
RKBA700-036	700	318	36	914

Model No.	Rated Load		Max. Stroke	
RKBA1000-040	1,000	454	40	1,016
RKBA1400-027	1,400	635	27	685

Reeved Chain Balancers — RKBC Series

Model No.	Rated Load		Max. Stroke	
lbs	kg	in.	mm	
RKBC400-055	400	181	55	1,397
RKBC450-33	450	204	33	818
RKBC700-033	700	318	33	818
RKBC1000-040	1,000	454	40	1,016
RKBC1400-026	1,400	635	26	685

Detailed Specifications — RKBA Series

***Note:** (A) = Cylinder diameter, (B) = Minimum height, (C) = Body length, (D) = Overall width.

Model	(A) in. [mm]		(B) Min. in. [mm]		(C) in. [mm]		(D) in. [mm]		Weight	
in.	mm	in.	mm	in.	mm	in.	mm	lbs	kg	
RKBA450-036	8½	216	23	584	6½	165	15½	394	63.6	29
RKBA450-055	10¾	273	28	711	10¾	273	16½	419	94.4	43
RKBA700-036	8¾	222	28	711	8¾	222	16¾	426	77.8	35
RKBA1000-040	9¾	248	28	711	10¾	273	16½	419	115.8	53
RKBA1400-027	9¾	248	28	711	10¾	273	21 13/16	554	92.8	42

Detailed Specifications — RKBC Series

Model	(A) in. [mm]		(B) Min. in. [mm]		(C) in. [mm]		(D) in. [mm]		Weight	
in.	mm	in.	mm	in.	mm	in.	mm	lbs	kg	
RKBC400-055	8½	216	16½	419	6½	165	15½	394	98.8	45
RKBC450-033	10¾	273	20½	521	10¾	273	16½	419	68.4	31
RKBC700-033	8¾	222	18½	470	8¾	222	16¾	426	83.4	38
RKBC1000-040	9¾	248	20½	521	10¾	273	16½	419	123.4	56
RKBC1400-026	9¾	248	20½	521	10¾	273	21 13/16	554	98.8	45

Pulley & connection accessories



Cable Pulley reeved cable pulley BPA2065 4.4 lbs [2.0 kg] RKBA



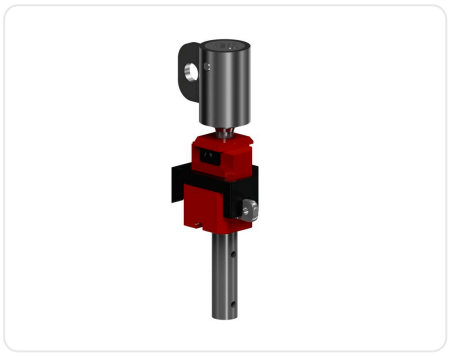
Chain Pulley reeved chain pulley BPA2066 6.1 lbs [2.77 kg] RKBC



Safety Chain Shackle 360° swivel BPA2410 2.7 lbs [1.23 kg] 360°



Balancer Chain Hook Crosby® Bullard self-closing BPA2113 2.4 lbs [1.08 kg] Hook



Quick Connect / Disconnect quick-release coupling BPA2035 4.8 lbs [2.22 kg] 700 lbs

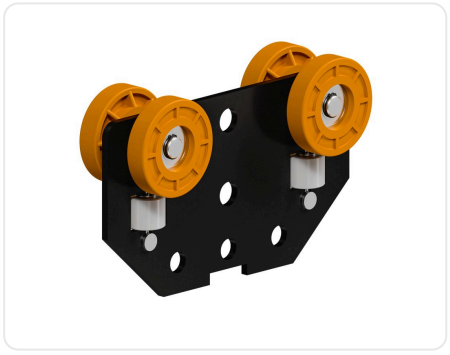


Chain Wear Gauge for 4 mm & 5 mm chain KSAA1003 0.87 lbs [0.39 kg] Gauge

Load trolley



Load Trolley — RAD7510 Rail Max. load 3,000 lbs [1,360 kg] MRTA7706 9 lbs [4.08 kg] RAD7510



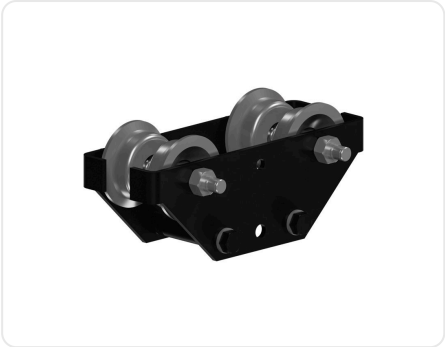
Load Trolley — RAD6110 Rail Max. load 1,600 lbs [725 kg] MRTA6106 6 lbs [2.72 kg] RAD6110



Load Trolley — RAD4110 Rail Max. load 1,100 lbs [499 kg] MRTA4442 5 lbs [2.26 kg] RAD4110



Load Trolley — TR2000 Rail Max. load 550 lbs [250 kg] TRT2001 2 lbs [0.90 kg] TR2000

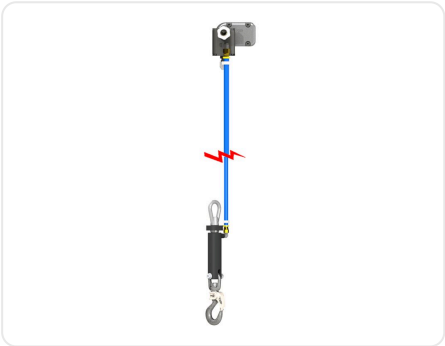


W / I-Beam Trolley Max. load 3,000 lbs [1,360 kg] RTA2013 23 lbs [10.4 kg] W-Beam · I-Beam

Pneumatic controls



Single Control Module Ideal for torque tools BCS2018 2.2 lbs [0.99 kg] 150 lbs



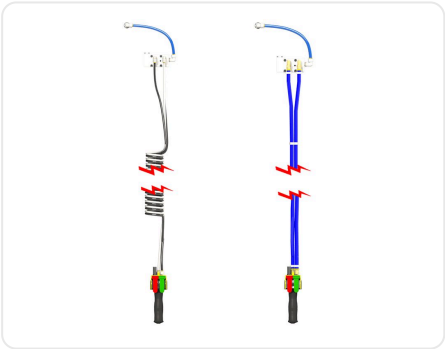
High Relieving Module 2090: ≤250 lbs / 2322: ≤500 lbs BCS2090 / BCS2322 10 ft [3 m] straight hose Heavy



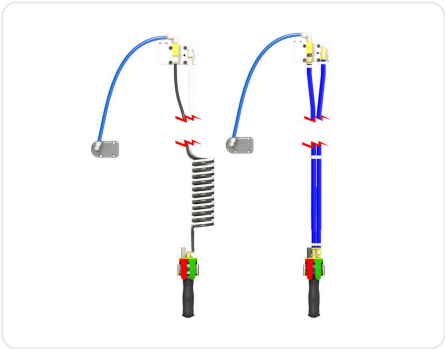
Feather-Touch Control Handle Horizontal / vertical handle BCS2213 / BCS2214 12.4 lbs [5.64 kg] 100 lbs



Dual Control Handle Two zero-gravity load settings BCS2215 / BCS2323 10.2 lbs [4.63 kg] Dual



Up/Down Pendant + Manifold Kit 10 ft [3 m] straight / coiled hose BCS3017 / BCS3320 2 control buttons Standard

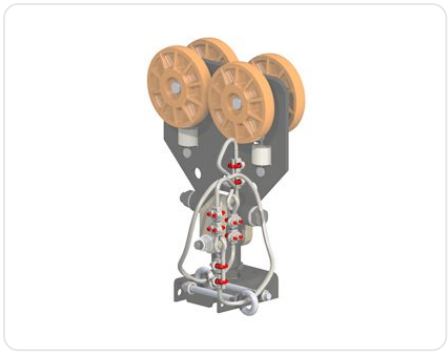


Tandem Up/Down Pendant For Tandem balancers BCS2326 / BCS3330 Coiled / straight hose Tandem

Safety cable kits



Standard Safety Cable 4 Crosby® clips + 2 thimbles RWA4133 6 ft [1.8 m] / 6 mm Standard



Eye Bolt Safety Cable eye bolt mounting kit FDA4133 10 ft [3 m] / 6 mm Eye Bolt



Oval Sleeve Safety Cable 2 oval copper sleeves + 2 thimbles NICORWA4133 2 lbs [0.91 kg] Oval

Technical documents

Catalogue (Brochure)

- Knight Global Pneumatic Balancer Brochure PDF

Spec sheet & CAD drawings

- RKBA Spec Sheet — Reeved Cable Balancer PDF
- RKBC Spec Sheet — Reeved Chain Balancer PDF
- CAD Drawings RKBA Series (.zip) ZIP
- CAD Drawings RKBC Series (.zip) ZIP

Operation & troubleshooting manuals

- Balancer Operation Manual 2019 (English) PDF
- Balancer Troubleshooting Guide 2021 PDF
- Balancer Periodic Inspection Form PDF

Installation & connection guides

- Air Connection Diagram — Balancer Logic Box PDF
- Air Connection Diagram — Manifold PDF
- Safety Cable Installation Guide — Eye Bolt PDF
- Safety Cable Installation Guide — Trolley / Hanger PDF
- External Safety Retract Control Information PDF

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For advice on the right RKBA/RKBC configuration for your project, please contact a FULLSHARP representative for a quotation and detailed design drawings.

Contact us for consultation and a quotation

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