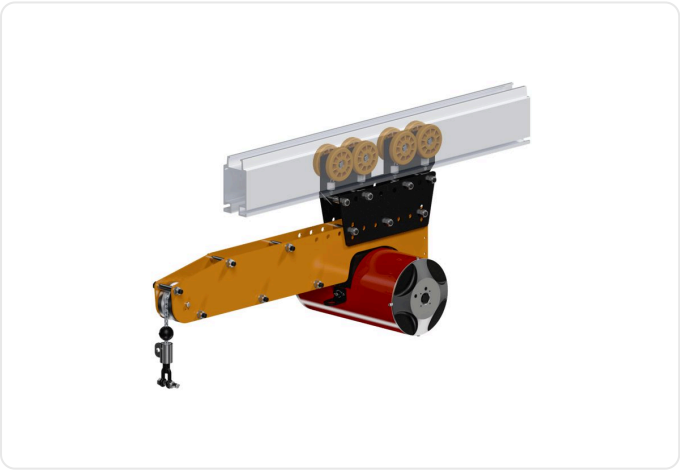
Extension Arm



Extension arm pneumatic Balancer Series



KEAA2500 — single bridge



KEAA2000 — double bridge

Extension Arm Pneumatic Balancer

KEAA2000-200 / 350 / 500 / 700 | KEAA2500-200 / 350 / 500 / 700

The **Knight Extension Arm Pneumatic Balancer** series lets operators extend their working area beyond the limits of the overhead rail system within a workstation. A pneumatic balancer is mounted on the extension arm to lift and lower loads in a controlled manner.

The **KEAA2000** (double bridge) and **KEAA2500** (single bridge) arms travel inside Knight **RAD4110, RAD6110** or **RAD7510** Series aluminum rail.

Balancer selection note: Operating at **80% of capacity** is recommended for lifting applications to compensate for fluctuations in plant air pressure. The working load includes the weight of the product and the handling tooling. Units are rated at **100 psi [6.8 bar]**.
*Example: 60 psi plant air × 350 lbs balancer × 0.80 = **168 lbs** actual working capacity.*

Features & benefits

Features

- CE Compliant
- Single bridge (KEAA2500) or double bridge (KEAA2000) configuration
- Travels inside RAD4110, RAD6110 or RAD7510 aluminum rail
- Multiple control configurations
- Angle adjustment in **10°** steps (10° up / 10° down)
- Horizontal adjustment up to **172 mm** in 58 mm increments
- Requires clean, dry, non-lubricated air
- Max. balancing load: up to **700 lbs [317 kg]**
- Chain configuration

Benefits & options

- Chain configuration.
- Extends the working area of a standard balancer.
- Allows 360° rotation.
- Semi-independent controls (Up/Down or Balance).

Specifications — KEAA2500 & KEAA2000

Single bridge — KEAA2500

Model No.	Capacity		Stroke		Body Length	
lbs	kg	in.	mm	in.	mm	
KEAA2500-200	200	90	110	2,794	16.3	414
KEAA2500-350	350	158	67	1,702	16.3	414
KEAA2500-500	500	226	80	2,032	21.5	546
KEAA2500-700	700	317	50	1,270	21.5	546

Double bridge — KEAA2000

Model No.	Capacity		Stroke		Body Length	
lbs	kg	in.	mm	in.	mm	

Model No.	Capacity		Stroke		Body Length	
KEAA2000-200	200	90	110	2,794	16.3	414
KEAA2000-350	350	158	67	1,702	16.3	414
KEAA2000-500	500	226	80	2,032	21.5	546
KEAA2000-700	700	317	50	1,270	21.5	546

Accessories

General Connection Accessories



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



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

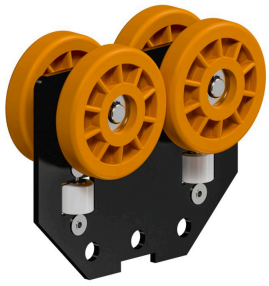


Balancer Chain Hook Crosby® Bullard self-closing BPA2113 2.4 lbs [1.08 kg] Hook

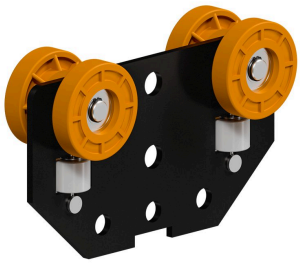


Quick Connect / Disconnect quick-release coupling BPA2035 4.8 lbs [2.22 kg] 700 lbs

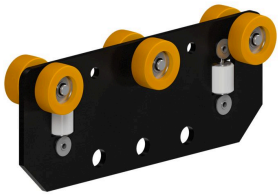
Load Trolley



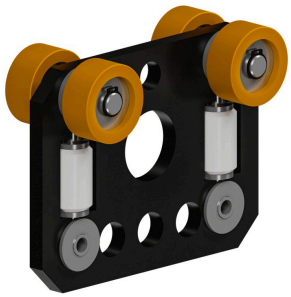
Load Trolley — RAD7510 Rail Max. load 3,000 lbs [1,360 kg] MRTA7706 9 lbs [4.08 kg] RAD7510



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

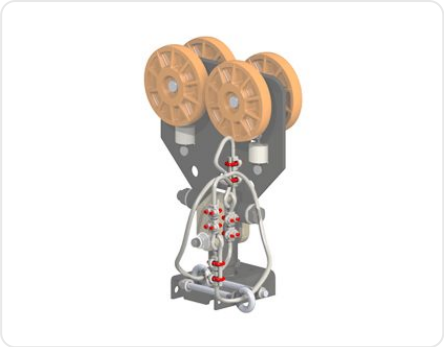


W / I-Beam Trolley Max. load 3,000 lbs [1,360 kg] RTA2013 23 lbs [10.4 kg] W-Beam · I-Beam

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

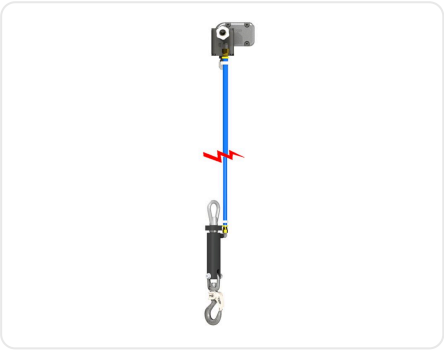


Oval Sleeve Safety Cable 2 oval copper sleeves + 2 thimbles NICORWA4133 2 lbs [0.91 kg] Oval

Pneumatic Controls



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



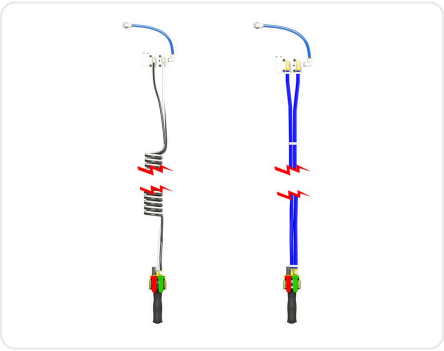
High Relieving Module 2090: ≤250 lbs / 2322: ≤500 lbs BCS2090 / BCS2322 10 ft [3 m] straight hose Heavy



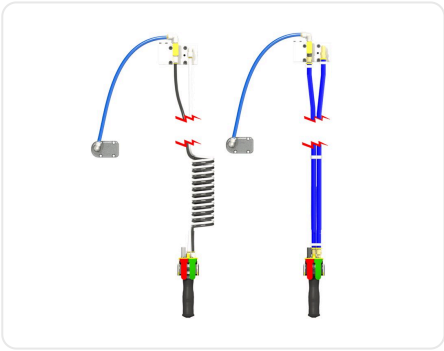
Feather-Touch Control Handle Horizontal / vertical handle BCS2213 / BCS2214 12.4 lbs [5.64 kg] 100 lbs



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

Technical documents

Catalogue (Brochure)

- Knight Global Arms Series Brochure PDF
- Knight Global Pneumatic Balancer Brochure PDF

Spec sheet & CAD drawings

- KEAA2000 Spec Sheet — Double Bridge Arm PDF
- KEAA2500 Spec Sheet — Single Bridge Arm PDF
- CAD Drawings KEAA2000 Series (.zip) ZIP

- CAD Drawings KEAA2500 Series (.zip) ZIP

Operation & troubleshooting manuals

- Balancer Operation Manual 2019 (English) PDF
- Balancer Troubleshooting Guide — 2017 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 & Control Handle PDF
- Safety Cable Installation Guide — Eye Bolt PDF
- Safety Cable Installation Guide — Trolley / Hanger / End Truck PDF
- External Safety Retract Control Information PDF

FULL-SHARP AUTOMATIZED VN CO., LTD (FULLSHARP)
Authorized distributor of Knight Global extension arm pneumatic balancers and lifting equipment in Vietnam
For advice on the right KEAA2000 / KEAA2500 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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Email: sales@fullsharp.com.vn · **Website:** www.fullsharp.com

Specifications may vary with the ordered configuration. Please contact FullSharp for exact details.