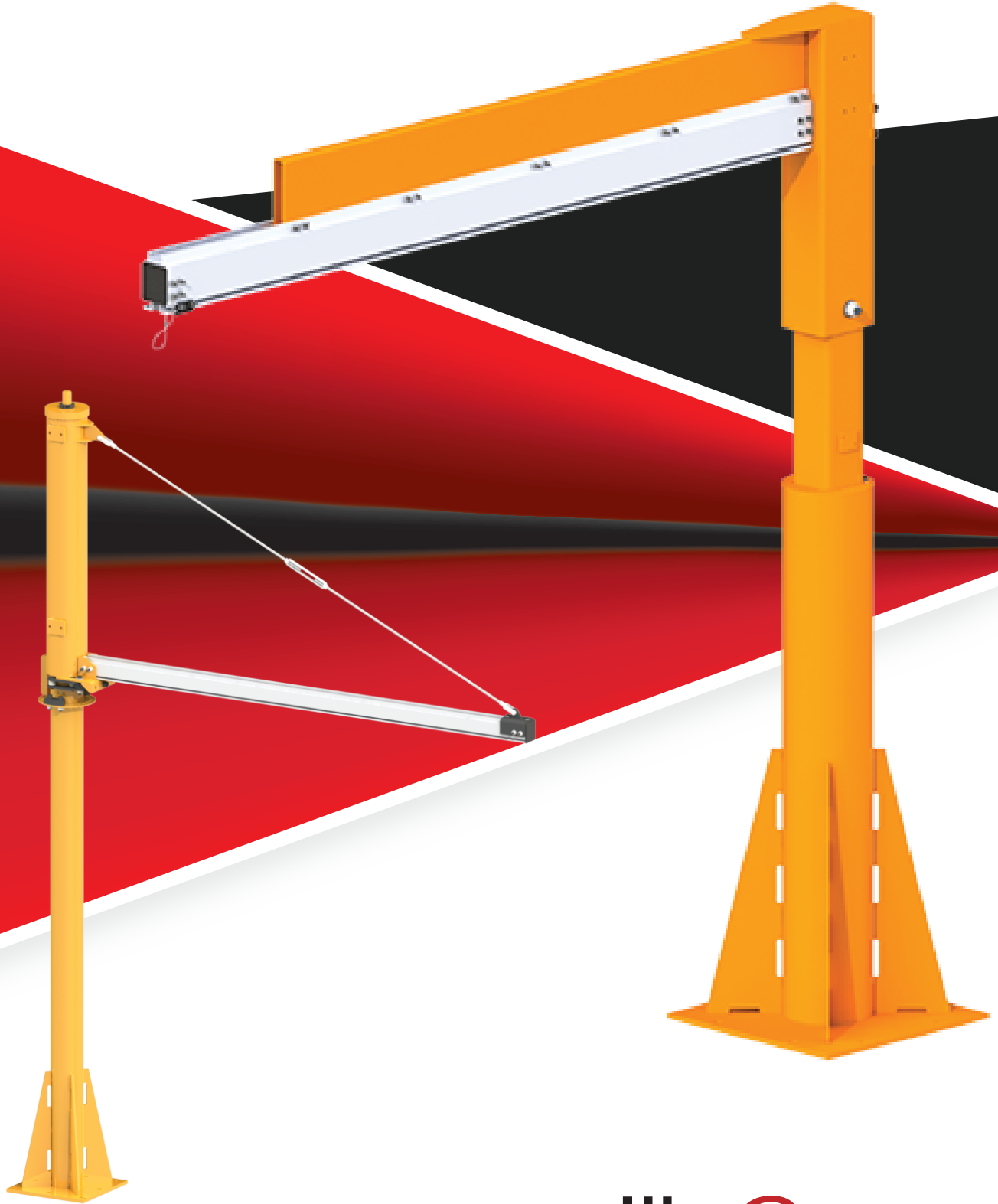




KNIGHT

GLOBAL



Jib Cranes

rev.20240805

Introduction

Overview	1
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Jib Crane Series

Air Glide Hose Management	2
Accessories	4



Knight Global | Warranty Information

Knight warrants that its products and parts shall meet all applicable specifications, performance requirements, and be free from defects in material and workmanship for one year, (Servo Systems for two years, Pneumatic Lift Tables for 5 years), from the date of invoice, unless otherwise noted. One exclusion would include any purchased components not manufactured by Knight and their specific individual warranties. Paint defects, scratches and marring from shipping are also excluded.

This warranty shall not cover the failure or defective operation caused by inadequate training provided by customer regarding the operation and / or maintenance of the tool, misuse, negligence, misadjustment, or any alteration not approved by Knight. Knight's obligation is limited to the replacement or repair of Knight's products at a location designated by Knight. Buyer is responsible for all associated internal removal and reinstallation costs as well as freight charges to and from Knight Industries. Knight's maximum liability shall not in any case exceed the contract price for the products claimed to be defective.

Any field modification made to Knight Products or Systems without the written authorization by Knight Global shall void Knight's warranty obligation.

Knight warrants the Servo Hoist, Arms, and Tractors to be free from defects in material or workmanship for a period of two years or 6000 hours use from the date of shipment.

Knight Distributors/ Agents are not authorized to circumvent or change any of these terms and or conditions of this warranty unless prior approval is received in writing by Knight Global Management. Verbal statements made by Knight Distributors/ Agents do not constitute warranties.

On a design and build job, the customer is the owner of the equipment once they authorize shipment. The purchased equipment can not be returned for reimbursement or credit.

DISCLAIMERS: OTHER THAN AS SET FORTH HEREIN, NO OTHER EXPRESSED WARRANTIES, AND NO IMPLIED WARRANTIES, ORAL AND WRITTEN, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE BY KNIGHT GLOBAL WITH RESPECT TO ITS PRODUCTS AND ALL SUCH WARRANTIES ARE HEREBY SPECIFICALLY DISCLAIMED.

KNIGHT GLOBAL SHALL NOT BE LIABLE UNDER ANY CIRCUMSTANCES FOR ANY INCIDENTAL, SPECIAL AND/OR CONSEQUENTIAL DAMAGES WHATSOEVER, WHETHER OR NOT FORESEEABLE, INCLUDING BUT NOT LIMITED TO DAMAGES FOR LOST PROFITS AND ALL SUCH INCIDENTAL, SPECIAL AND/OR CONSEQUENTIAL DAMAGES ARE HEREBY ALSO SPECIFICALLY DISCLAIMED.

KNIGHT GLOBAL WILL NOT BE LIABLE FOR ANY LOSS, INJURY OR DAMAGE TO PERSONS OR PROPERTY, NOR FOR DAMAGES OF ANY KIND RESULTING FROM FAILURE OR DEFECTIVE OPERATION OF ANY MATERIALS OR EQUIPMENT FURNISHED HEREUNDER.

We are committed to
Total Customer Satisfaction
through
QUALITY, RELIABILITY and
EMPLOYEE INVOLVEMENT.

Overview

Knight Jib Crane Series

Knight Jib Cranes offer a large tool coverage area with a simple single rail rotating on a floor mounted post. Jib cranes utilize an efficient “L” structure design allowing for maximum hoist height on low head room applications or when the overhead working space can not accommodate a rail system. Jib Cranes two component design makes installation and set-up simple. Knight Global’s cranes are designed to move effortlessly while still carrying large capacity loads. Jib cranes are an ideal solution for integrating Knight Global Servo Hoists, Air Balancers, Torque Tubes and other hoists.



Features and Options

- Ergonomically designed for low head clearance.
- Available in a Bench Mounted, Low Profile, or Turnbuckle Series.
- Under Rail Clearance Heights up to: **15 ft [4.5m]**.
- Jib Boom Lengths up to: **15 ft [4.5m]**
(Contact Knight for lengths over: 15ft)
- Load Capacities up to: **2,030 lbs [920 kg]**.

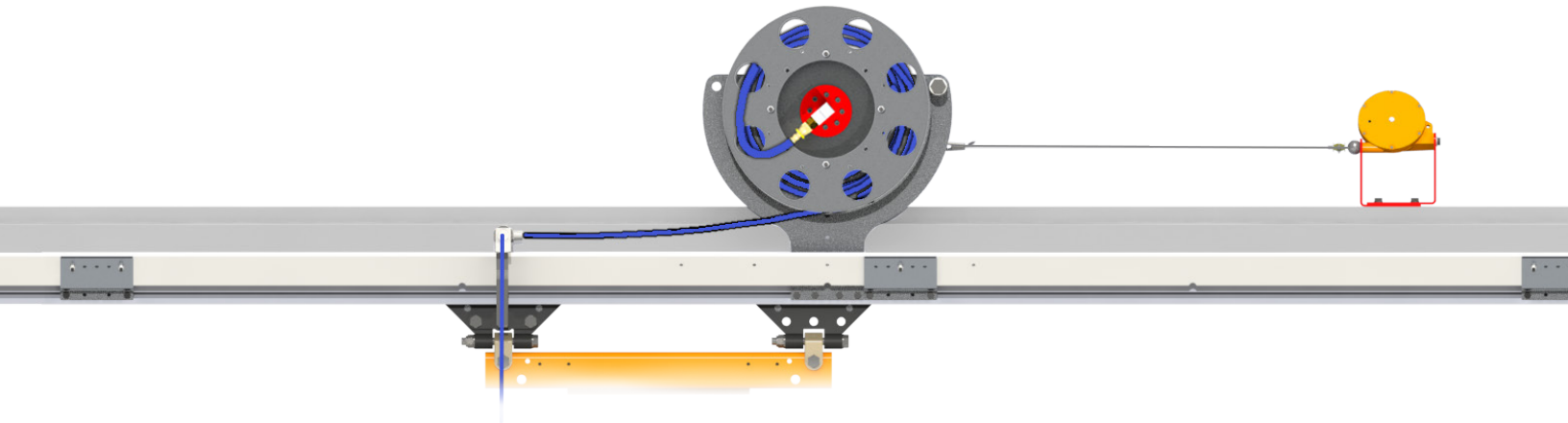
Jib Crane Configurations

Model	Type	Max Capacity
MJBA2000	Bench Mounted	30 lbs. [13 kg]
MJBA2050	Light Tool Low Profile	50 lbs. [23 kg]
MJBA2300	Light Duty Low Profile	615 lbs. [279 kg]
MJBA2600	Light Duty Low Profile	865 lbs. [392 kg]
MJBA2700	Heavy Duty Low Profile	2030 lbs. [920 kg]
MJBA2100	Light Duty Turnbuckle	149 lbs. [68 kg]
MJBA2200	Heavy Duty Turnbuckle	800 lbs. [363 kg]



* For more detailed information on jib crane capacities, heights and lengths, contact your local Knight Global representative or visit www.knightglobal.com.

Air Glide Hose Management



MRMSC/MRMSE Air Glide Hose Management

This new patent pending hose management system is a revolutionary solution to containing air hoses on the rail itself instead of hanging below. Using a reel and a channel that mounts alongside the rail, air hoses can be kept out of the way and are prevented from interfering with production in a plant setting. This exciting new product can also be integrated into existing systems.

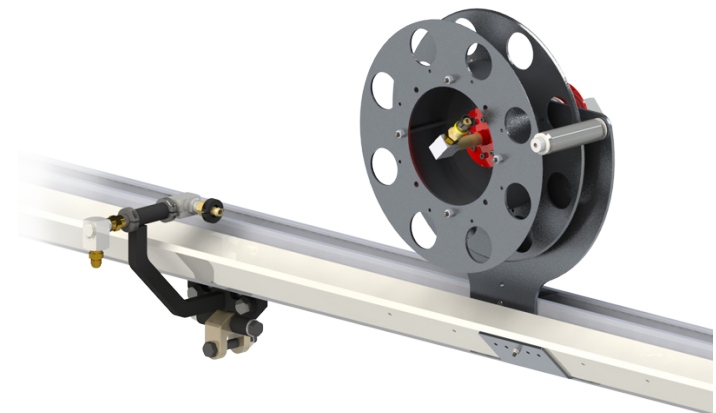


Features

- Designed to eliminate the need for hanging air hoses / festooning.
- Supplies Air to Tooling.
- Attaches to RAD4110, RAD6110 and RAD7510 series rail.
- Reel can be mounted in the center or end of rail.
- Can be attached to any bridge and/or runway.
- Max rail length: **100 ft. [30.48m]**.
- Rail not included.

Benefits

- Can be used with zone limits, end-of-travel switches, and rail brakes.
- Has a significant advantage over coiled hose because it minimizes pullback force.
- Custom mounting options are available for low profile trolleys and other manufacturers' rail.



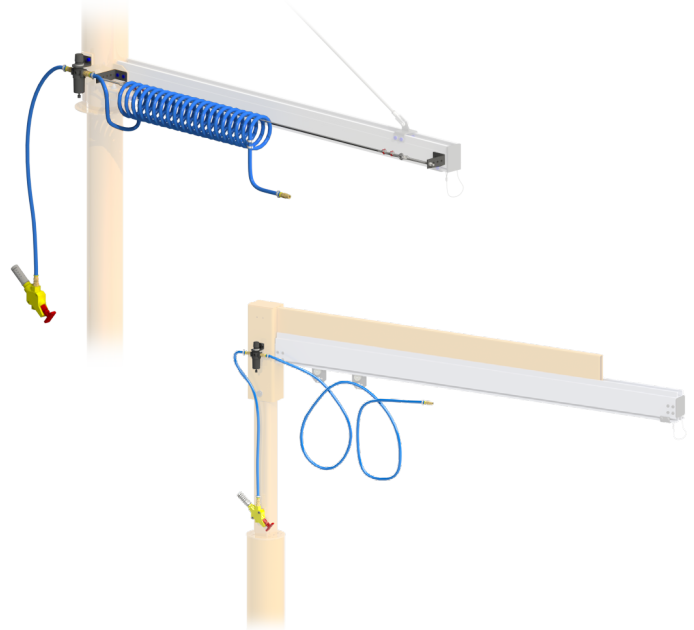
Hose Management

JSA9135 Coiled / Straight Hose Kit

Knight Global's JSA9135 Jib Crane Hose Management will attach coiled hose to Knight's MJBA2100, MJBA2200, MJBA2300 and MJBA2600 Series Jib Cranes. The JSA9135 kit supplies air to Tooling and End Effectors. The JSA9135 Hose Management Kit includes: all brackets, fittings, regulator, air lock-out and messenger cable for (1) one Jib Crane.

Features

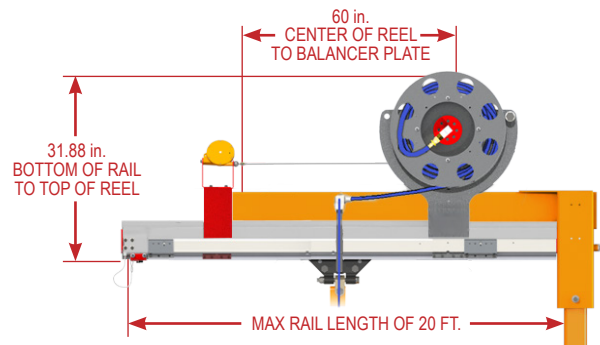
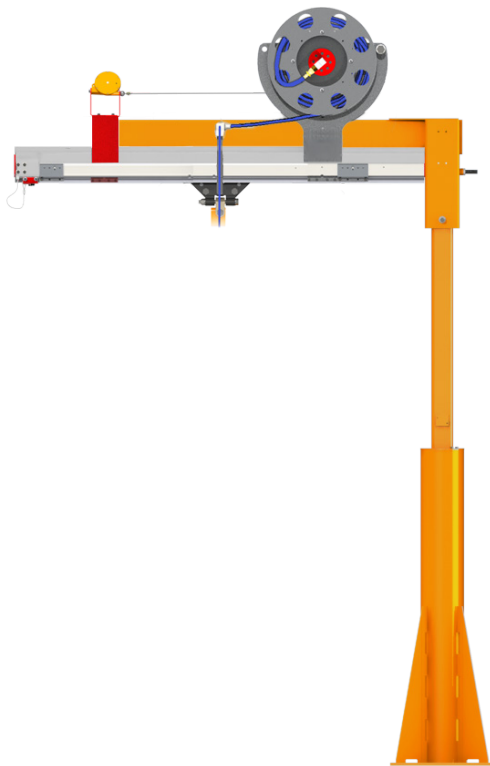
- Attaches to Knight MJBA2100, MJBA2200, MJBA2300 and MJBA2600 Jib Cranes.
- Supplies Air to Tooling.
- Festoon Kit includes:
 - Brackets, Fittings, Regulator, Air Lock-out and Messenger Cable for (1) one Jib Crane.
- Hose Fitting Diameters: 1/2 in. [12.7mm].



MJSAE2200 / MJSAE2300 Air Glide Hose Management

Features

- MJSAE2200 Attaches to Knight MJBA2200 Jib Cranes.
- MJSAE2300 attaches to Knight MJBA2300, 2600 and 2700 Jib Cranes.
- Max rail length of 20 ft.
- Supplies Air to Tooling.
- Hose Fitting Diameters: 1/2 in. [12.7mm].




For more information on Knight's Jib Crane Hose Management Kit and Accessories, or if you need help in selecting the proper accessory for your system; contact a Knight representative or please visit www.knightglobal.com

LOAD TROLLEYS

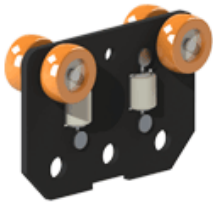

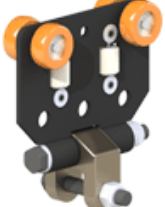


The unique design of the Knight trolley wheels impart low effort to load ratios which improves the ergonomics of the overall system. The improved performance can eliminate the need for tractor drives (and their attendant controls) for very heavy loads. The proprietary fiberglass filled high impact nylon wheels eliminates all “flat-spotting”.

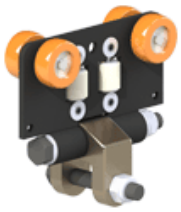



Long-term accelerated life cycle testing has proven that the trolley wheels can be reasonably expected to have a predicted life in excess of 15,000,000 linear feet of travel (under extreme loading conditions) with no maintenance and no detrimental effect.

MRTA7706 Load Trolley	MRTA7002 Load Trolley with Bosses	MRTA7723 Load Trolley with Yoke	MRTA7765 Low Profile Load Trolley with Bosses
 <ul style="list-style-type: none"> • Transfers loads along the horizontal axis. • Primarily used when the customer needs to bolt items to the trolley • Max. Capacity: Up to 3,000 lbs. [1,360kg]. 	 <ul style="list-style-type: none"> • Transfers loads along the horizontal axis. • Primarily used when the customer needs to attach the trolley to a boss or eye hook. • Max. Capacity: Up to 3,000 lbs. [1,360kg]. 	 <ul style="list-style-type: none"> • Transfers loads along the horizontal axis. • Primarily used when the customer need to pivot in (2) directions such as an arm carriage. • Max. Capacity: Up to 3,000 lbs. [1,360kg]. 	 <ul style="list-style-type: none"> • Transfers loads along the horizontal axis. • Primarily used when the customer needs to attach the trolley to a boss or eye hook. • Max. Capacity: Up to 3,000 lbs. [1,360kg].
MRTA7786 Low Profile Load Trolley with Yoke	MRTA7787 Low Profile Load Trolley with Eye Hook	MRTA7719 Load Trolley with Eye Hook	MRTA4442 Load Trolley
 <ul style="list-style-type: none"> • Transfers loads along the horizontal axis. • Primarily used when the customer need to pivot in (2) directions such as an arm carriage. • Max. Capacity: Up to 3,000 lbs. [1,360kg]. 	 <ul style="list-style-type: none"> • Transfers loads along the horizontal axis. • Primarily used to attached a Spring Balancer or Hoist • Max. Capacity: Up to 3,000 lbs. [1,360kg]. 	 <ul style="list-style-type: none"> • Transfers loads along the horizontal axis. • Primarily used to attached a Spring Balancer or Hoist • Max. Capacity: Up to 3,000 lbs. [1,360kg]. 	 <ul style="list-style-type: none"> • Transfers loads along the horizontal axis. • Primarily used when the customer needs to bolt items to the trolley. • Max. Capacity: Up to 1,100 lbs. [499kg].

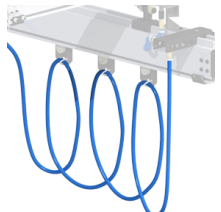
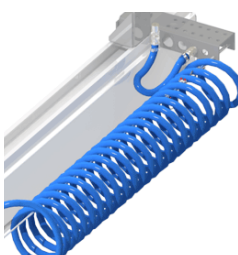
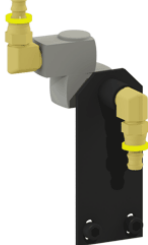

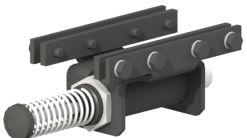
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Accessories

MRTA4001 Load Trolley	MRTA4003 Load Trolley with Bosses	MRTA4009 Load Trolley with Yoke	MRTA4029 Load Trolley with Eye Hook	MRTA4312 Low Profile Load Trolley with Bosses
 <ul style="list-style-type: none"> • Transfers loads along the horizontal axis. • Primarily used when the customer needs to bolt items to the trolley. • Max. Capacity: Up to 1,100 lbs. [499kg]. 	 <ul style="list-style-type: none"> • Transfers loads along the horizontal axis. • Primarily used when the customer needs to attach the trolley to a boss or eye hook. • Max. Capacity: Up to 1,100 lbs. [499kg]. 	 <ul style="list-style-type: none"> • Transfers loads along the horizontal axis. • Primarily used when the customer need to pivot in (2) directions such as an arm carriage. • Max. Capacity: Up to 1,100 lbs. [499kg]. 	 <ul style="list-style-type: none"> • Transfers loads along the horizontal axis. • Primarily used to attached a Spring Balancer or Hoist • Max. Capacity: Up to 1,100 lbs. [499kg]. 	 <ul style="list-style-type: none"> • Transfers loads along the horizontal axis. • Primarily used when the customer needs to attach the trolley to a boss or eye hook. • Max. Capacity: Up to 1,100 lbs. [499kg].







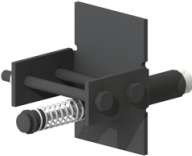



MRTA4392 Low Profile Load Trolley with Yoke	MRTA4393 Low Profile Load Trolley with Eye Hook	MRMA4019 Hose Trolley	MRMA4215 Hose Trolley with Cable Saddle
 <ul style="list-style-type: none"> • Transfers loads along the horizontal axis. • Primarily used when the customer need to pivot in (2) directions such as an arm carriage. • Max. Capacity: Up to 1,100 lbs. [499kg]. 	 <ul style="list-style-type: none"> • Transfers loads along the horizontal axis. • Primarily used to attached a Air Balancer or Hoist • Max. Capacity: Up to 1,100 lbs. [499kg]. 	 <ul style="list-style-type: none"> • Carries festooned hose used in hose management kits. • Max. Capacity: Up to 50 lbs. [22kg]. 	 <ul style="list-style-type: none"> • Carries festooned hose used in hose management kits. • Velcro straps secures hose. • Max. Capacity: Up to 50 lbs. [22kg].

JIB CRANE ACCESSORIES

RMD4113 1/2 in. Diameter Straight Hose	RMD4115 1/2 in. Diameter Coiled Hose	JSA9137 360° Rotate Air Fitting Assembly	MRHS40821 Rail Mount Kit (I-Beams & S-Beams)	MRAA4498 Heavy Duty Mid-Rail Stop w/ Shock
 <p>1/2 in. I.D. Polyurethane Straight Hose is used in conjunction with the rail system hose management kits to create the systems festooning.</p>	 <p>1/2 in. I.D. Polyurethane Coiled Hose is used in conjunction with the rail system hose management kits to create the systems festooning.</p>	 <p>Rotating Air Fitting will attach festooning to Knight's Jib Cranes Series. Air Fitting kit supplies air to Tooling and End Effectors</p>	 <p>Rail Mount Kit attaches underneath the I-Beam of Knight's MJBA3000 Jib Crane. Kit is for S6, S7, S8, S10 I-Beams, or S-Beams.</p>	 <ul style="list-style-type: none"> • Separates the working area of a bridge or runway and/ or prevents a bridge from overtravel. • Dampens the impact force of the load trolley striking the mid-rail stop.

Continued on next page.

Accessories

MRAA4804 End Cap	MRAA4805 End Cap with Shock	MRAS7533 Redundant End Cap	MRAA7511 Mid-Rail Stop	MRAA7022 Mid-Rail Stop with Shock
 <ul style="list-style-type: none"> • Prevents an end truck or load trolley from exiting the rail. • Primarily used as a dust cover. 	 <ul style="list-style-type: none"> • Prevents an end truck or load trolley from exiting the rail. • Dampens the impact force of the load trolley striking the end cap. 	 <ul style="list-style-type: none"> • Prevents an end truck or load trolley from exiting the rail. • Inner MRAA7511 Mid-Rail Stop. 	 <ul style="list-style-type: none"> • Separates the working area of a bridge or runway and/or prevents a bridge from overtravel. • Can be used in conjunction with the MRAA4804 End Cap to form the MRAS7533 Redundant End Cap Stop. 	 <ul style="list-style-type: none"> • Separates the working area of a bridge or runway and/or prevents a bridge from overtravel. • Dampens the impact force of the load trolley striking the end cap.
MRAA4011 End Cap	MRAA4462 End Cap with Shock	MRAS4454 Redundant End Cap	MRAA4455 Mid-Rail Stop	MRAA4243 Mid-Rail Stop with Shock
 <ul style="list-style-type: none"> • Prevents an end truck or load trolley from exiting the rail. • Primarily used as a dust cover. 	 <ul style="list-style-type: none"> • Prevents an end truck or load trolley from exiting the rail. • Dampens the impact force of the load trolley striking the end cap. 	 <ul style="list-style-type: none"> • Prevents an end truck or load trolley from exiting the rail. • Inner MRAA4455 Mid-Rail Stop. 	 <ul style="list-style-type: none"> • Separates the working area of a bridge or runway and/or prevents a bridge from overtravel. • Can be used in conjunction with the MRAA4011 End Cap to form the MRAS4454 Redundant End Cap Stop. 	 <ul style="list-style-type: none"> • Separates the working area of a bridge or runway and/or prevents a bridge from overtravel. • Dampens the impact force of the load trolley striking the mid-rail stop.