

LodeRail™

Columbus McKinnon Corp
One Fremont Street
Tonawanda, NY 14150
Phone: 1-800-229-0152

INSTALLATION INSTRUCTIONS FOR PEDESTAL MOUNTED JIB CRANES

Unpacking the components:

The LodeRail™ jib crane is shipped in two (2) major pieces, the pedestal and the jib arm with a separate carton containing the hoist trolley, locking collar, end stops, and any additional accessories. Check to be sure all components have been received and were not damaged in transit. Chipped paint and minor nicks and scratches are to be expected during shipment and can be touched up following installation. Immediately contact the freight carrier for any severe damage.

Mounting the Pedestal:

The pedestal must be mounted on a load bearing concrete foundation. Concrete anchor bolts with adjusting jam nuts must be in place prior to setting the pedestal. Concrete mounting hardware is not included and must be provided by the user. Refer to the LodeRail™ Recommended Concrete Foundation Requirements for your jib crane model to find the concrete foundation and anchor bolt requirements. Install jam nuts onto the anchor bolts. Set the pedestal on the anchor bolt jam nuts. Secure the pedestal base plate with lock washers and hex nuts, do not tighten at this time. Use a plumb bob fixture to plumb the pedestal using the jam nuts to raise or lower the pedestal as required. When the pedestal is plumb, tighten the hex nuts to secure the pedestal. Completely fill the space between the pedestal base plate and the floor with grout to create a solid pedestal foundation. After the grout under the pedestal is cured the jib arm can be installed to the pedestal, follow the manufacturers directions for cure time requirements.

Installing the Jib Arm:

Place the locking collar on the pivot pin, concave side up. Position the jib arm over the pivot pin. The jib arm must be level and square to the pedestal before attempting to lower the rotation bearing onto the pivot pin or damage to the bearing or pin may result. Carefully lower the rotation bearing onto the pin and allow the pivot pin to fully seat into the rotation bearing. Slide the locking collar up to the rotation bearing and rotate clockwise to lock onto the shoulder of the rotation bearing. Tighten the locking collar set screw to the pivot pin.

Installing the End Stops and Hoist Trolley:

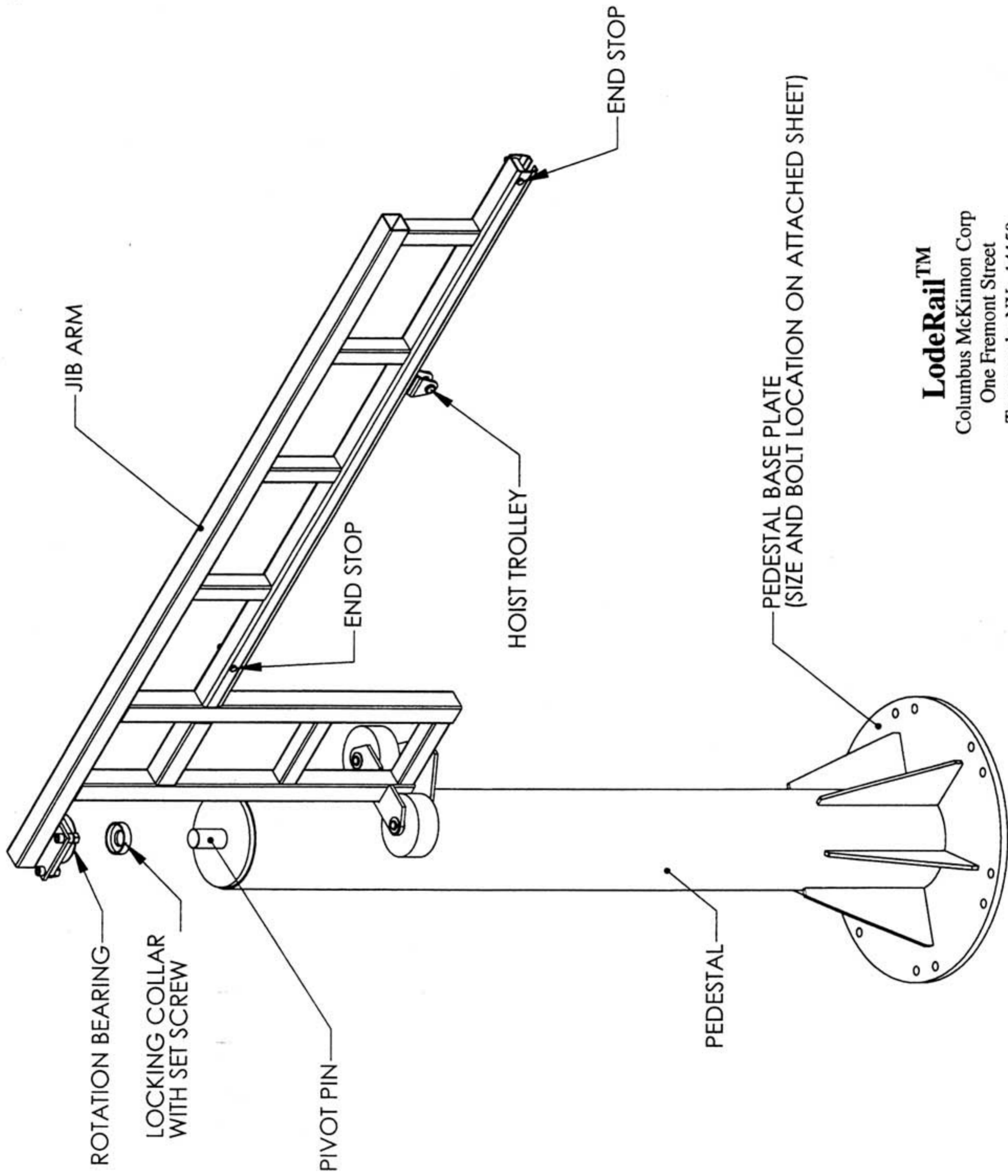
Install the inside end stop into the trolley track near the vertical weldment. This end-stop must be installed to prevent the hoist from running into the vertical weldment. Install the hoist trolley by inserting it into the end of the track. Install the outside end stop to prevent the trolley from falling out of the trolley track. Never operate the jib crane without the end-stops properly installed.



W A R N I N G

TO AVOID INJURY:

- Do not exceed the capacity of the LodeRail system
- Do not operate the LodeRail system without the end stops in place



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LodeRail - Recommended Concrete Foundation Requirements

Model #	Base Plate Size w/ # & bolt dia.	CONCRETE	
		SQUARE "	DEPTH "
100-BMJ-8-4	15" SQ. 4 @ 1"	48	6
100-BMJ-8-6	15" SQ. 4 @ 1"	48	6
100-BMJ-8-8	15" SQ. 4 @ 1"	48	6
100-BMJ-8-10	15" SQ. 4 @ 1"	48	8
100-BMJ-8-12	24" RD. 6 @ 1"	48	8
100-BMJ-8-14	24" RD. 6 @ 1"	48	10
100-BMJ-8-16	24" RD. 6 @ 1"	48	12
100-BMJ-10-4	15" SQ. 4 @ 1"	48	6
100-BMJ-10-6	15" SQ. 4 @ 1"	48	6
100-BMJ-10-8	15" SQ. 4 @ 1"	48	6
100-BMJ-10-10	15" SQ. 4 @ 1"	48	6
100-BMJ-10-12	24" RD. 6 @ 1"	48	8
100-BMJ-10-14	24" RD. 6 @ 1"	48	10
100-BMJ-10-16	24" RD. 6 @ 1"	48	12
100-BMJ-12-4	15" SQ. 4 @ 1"	48	6
100-BMJ-12-6	15" SQ. 4 @ 1"	48	6
100-BMJ-12-8	24" RD. 6 @ 1"	48	6
100-BMJ-12-10	24" RD. 6 @ 1"	48	8
100-BMJ-12-12	24" RD. 6 @ 1"	48	10
100-BMJ-12-14	24" RD. 6 @ 1"	48	10
100-BMJ-12-16	24" RD. 6 @ 1"	48	12
100-BMJ-14-4	15" SQ. 4 @ 1"	48	6
100-BMJ-14-6	15" SQ. 4 @ 1"	48	6
100-BMJ-14-8	24" RD. 6 @ 1"	48	6
100-BMJ-14-10	24" RD. 6 @ 1"	48	8
100-BMJ-14-12	24" RD. 6 @ 1"	48	10
100-BMJ-14-14	24" RD. 6 @ 1"	48	12
100-BMJ-14-16	24" RD. 6 @ 1"	48	12
150-BMJ-8-4	15" SQ. 4 @ 1"	48	6
150-BMJ-8-6	15" SQ. 4 @ 1"	48	6
150-BMJ-8-8	15" SQ. 4 @ 1"	48	8
150-BMJ-8-10	15" SQ. 4 @ 1"	48	10
150-BMJ-8-12	24" RD. 6 @ 1"	48	12
150-BMJ-8-14	24" RD. 6 @ 1"	48	18
150-BMJ-8-16	24" RD. 6 @ 1"	48	18
150-BMJ-10-4	15" SQ. 4 @ 1"	48	6
150-BMJ-10-6	15" SQ. 4 @ 1"	48	8
150-BMJ-10-8	15" SQ. 4 @ 1"	48	10
150-BMJ-10-10	24" RD. 6 @ 1"	48	10
150-BMJ-10-12	24" RD. 6 @ 1"	48	12
150-BMJ-10-14	24" RD. 6 @ 1"	48	18
150-BMJ-10-16	24" RD. 6 @ 1"	48	18
150-BMJ-12-4	15" SQ. 4 @ 1"	48	6
150-BMJ-12-6	15" SQ. 4 @ 1"	48	8
150-BMJ-12-8	24" RD. 6 @ 1"	48	10
150-BMJ-12-10	24" RD. 6 @ 1"	48	10
150-BMJ-12-12	24" RD. 6 @ 1"	48	12
150-BMJ-12-14	24" RD. 6 @ 1"	48	18
150-BMJ-12-16	24" RD. 6 @ 1"	48	18
150-BMJ-14-4	15" SQ. 4 @ 1"	48	8
150-BMJ-14-6	15" SQ. 4 @ 1"	48	10
150-BMJ-14-8	24" RD. 6 @ 1"	48	10
150-BMJ-14-10	24" RD. 6 @ 1"	48	12
150-BMJ-14-12	24" RD. 6 @ 1"	48	18
150-BMJ-14-14	24" RD. 6 @ 1"	48	18
150-BMJ-14-16	24" RD. 6 @ 1"	48	18
250-BMJ-8-4	15" SQ. 4 @ 1"	48	10
250-BMJ-8-6	15" SQ. 4 @ 1"	48	10
250-BMJ-8-8	15" SQ. 4 @ 1"	48	12
250-BMJ-8-10	24" RD. 6 @ 1"	48	18
250-BMJ-8-12	24" RD. 6 @ 1"	48	18
250-BMJ-8-14	24" RD. 6 @ 1"	48	24
250-BMJ-8-16	24" RD. 6 @ 1"	48	24
250-BMJ-10-4	15" SQ. 4 @ 1"	48	10
250-BMJ-10-6	15" SQ. 4 @ 1"	48	12
250-BMJ-10-8	15" SQ. 4 @ 1"	48	18
250-BMJ-10-10	24" RD. 6 @ 1"	48	18
250-BMJ-10-12	24" RD. 6 @ 1"	48	18
250-BMJ-10-14	30" RD. 6 @ 1"	48	24
250-BMJ-10-16	30" RD. 6 @ 1"	48	24

Model #	Base Plate Size w/ # & bolt dia.	CONCRETE	
		SQUARE "	DEPTH "
250-BMJ-12-4	15" SQ. 4 @ 1"	48	12
250-BMJ-12-6	15" SQ. 4 @ 1"	48	18
250-BMJ-12-8	24" RD. 6 @ 1"	48	18
250-BMJ-12-10	24" RD. 6 @ 1"	48	18
250-BMJ-12-12	24" RD. 6 @ 1"	48	24
250-BMJ-12-14	30" RD. 6 @ 1"	48	24
250-BMJ-12-16	30" RD. 6 @ 1"	48	30
250-BMJ-14-4	15" SQ. 4 @ 1"	48	18
250-BMJ-14-6	15" SQ. 4 @ 1"	48	18
250-BMJ-14-8	30" RD. 6 @ 1"	48	18
250-BMJ-14-10	30" RD. 6 @ 1"	48	18
250-BMJ-14-12	30" RD. 6 @ 1"	48	24
250-BMJ-14-14	30" RD. 6 @ 1"	48	24
250-BMJ-14-16	30" RD. 6 @ 1"	48	30
500-BMJ-8-4	24" RD. 6 @ 1"	48	18
500-BMJ-8-6	24" RD. 6 @ 1"	48	24
500-BMJ-8-8	24" RD. 6 @ 1"	48	24
500-BMJ-8-10	24" RD. 6 @ 1"	48	30
500-BMJ-8-12	24" RD. 6 @ 1"	48	36
500-BMJ-8-14	30" RD. 6 @ 1"	48	42
500-BMJ-8-16	30" RD. 6 @ 1"	48	48
500-BMJ-10-4	24" RD. 6 @ 1"	48	24
500-BMJ-10-6	24" RD. 6 @ 1"	48	24
500-BMJ-10-8	24" RD. 6 @ 1"	48	30
500-BMJ-10-10	24" RD. 6 @ 1"	48	30
500-BMJ-10-12	24" RD. 6 @ 1"	48	36
500-BMJ-10-14	30" RD. 6 @ 1"	60	24
500-BMJ-10-16	30" RD. 6 @ 1"	60	24
500-BMJ-12-4	24" RD. 6 @ 1"	48	30
500-BMJ-12-6	24" RD. 6 @ 1"	48	30
500-BMJ-12-8	24" RD. 6 @ 1"	48	30
500-BMJ-12-10	24" RD. 6 @ 1"	48	36
500-BMJ-12-12	30" RD. 6 @ 1"	60	24
500-BMJ-12-14	30" RD. 6 @ 1"	60	24
500-BMJ-12-16	30" RD. 6 @ 1"	60	24
500-BMJ-14-4	24" RD. 6 @ 1"	48	30
500-BMJ-14-6	24" RD. 6 @ 1"	48	36
500-BMJ-14-8	30" RD. 6 @ 1"	48	36
500-BMJ-14-10	30" RD. 6 @ 1"	48	36
500-BMJ-14-12	30" RD. 6 @ 1"	60	24
500-BMJ-14-14	30" RD. 6 @ 1"	60	24
500-BMJ-14-16	30" RD. 6 @ 1"	60	30
1000-BMJ-8-4	30" RD. 6 @ 1"	60	24
1000-BMJ-8-6	30" RD. 6 @ 1"	60	24
1000-BMJ-8-8	30" RD. 6 @ 1"	60	30
1000-BMJ-8-10	36" RD. 12 @ 1"	60	30
1000-BMJ-8-12	36" RD. 12 @ 1"	60	36
1000-BMJ-8-14	36" RD. 12 @ 1"	60	36
1000-BMJ-8-16	36" RD. 12 @ 1"	60	48
1000-BMJ-10-4	30" RD. 6 @ 1"	60	24
1000-BMJ-10-6	30" RD. 6 @ 1"	60	30
1000-BMJ-10-8	30" RD. 6 @ 1"	60	30
1000-BMJ-10-10	36" RD. 12 @ 1"	60	36
1000-BMJ-10-12	36" RD. 12 @ 1"	60	36
1000-BMJ-10-14	36" RD. 12 @ 1"	60	48
1000-BMJ-10-16	36" RD. 12 @ 1"	60	48
1000-BMJ-12-4	30" RD. 6 @ 1"	60	30
1000-BMJ-12-6	30" RD. 6 @ 1"	60	30
1000-BMJ-12-8	30" RD. 6 @ 1"	60	36
1000-BMJ-12-10	36" RD. 12 @ 1"	60	36
1000-BMJ-12-12	36" RD. 12 @ 1"	60	48
1000-BMJ-12-14	36" RD. 12 @ 1"	60	48
1000-BMJ-12-16	36" RD. 12 @ 1"	60	48
1000-BMJ-14-4	30" RD. 6 @ 1"	60	30
1000-BMJ-14-6	30" RD. 6 @ 1"	60	36
1000-BMJ-14-8	30" RD. 6 @ 1"	60	36
1000-BMJ-14-10	36" RD. 12 @ 1"	60	48
1000-BMJ-14-12	36" RD. 12 @ 1"	60	48
1000-BMJ-14-14	36" RD. 12 @ 1"	60	48
1000-BMJ-14-16	36" RD. 12 @ 1"	60	48