

LodeRail™

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

INSTALLATION INSTRUCTIONS FOR WALL MOUNTED JIB CRANES

Unpacking the components:

The LodeRail™ jib crane is shipped in one (1) major piece with a separate carton containing the top mount bracket, bottom mount bracket, hoist trolley, 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.

Installing the Jib Arm:

NOTE: The estimated unit weight and structural loading for each LodeRail™ jib arm model are shown on the "LodeRail™ Wall Mounted Jib Crane Specifications Chart". Refer to this chart before mounting the jib to any structure. A structural engineer must be consulted to determine the appropriate mounting structure and mounting hardware requirements. The user assumes all responsibility to ensure the mounting structure can withstand the loading and that proper mounting hardware is used.

Locate the bottom mount bracket on the support structure with the bearing cup facing upwards and secure with fasteners as required, fasteners supplied by user. With the jib arm inverted place the bearing cone onto the bottom rotation shaft with the tapered face up. Flip the jib arm upright and slide the top mount bracket over the top rotation shaft. Position the jib arm assembly over the bottom mount bracket.

NOTE: BEFORE ATTEMPTING TO INSERT THE BEARING CONE INTO THE CUP, MAKE CERTAIN THE JIB ARM ASSEMBLY IS LEVEL AND SQUARE TO THE BOTTOM MOUNT BRACKET.

Carefully lower the jib arm assembly to insert the bearing cone into the cup. The jib arm must be plumbed vertically using a level or plumb bob fixture before securing the upper mount bracket to the support structure. Secure the upper mount bracket to the support structure with fasteners as required, fasteners supplied by user. With the jib arm perpendicular to the support structure, level the jib arm using a 4' level or transom. Shim between the mount brackets and the support structure as required to level the jib arm.

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 coming off of the trolley track and falling. Never operate the jib crane without the end-stops properly installed.



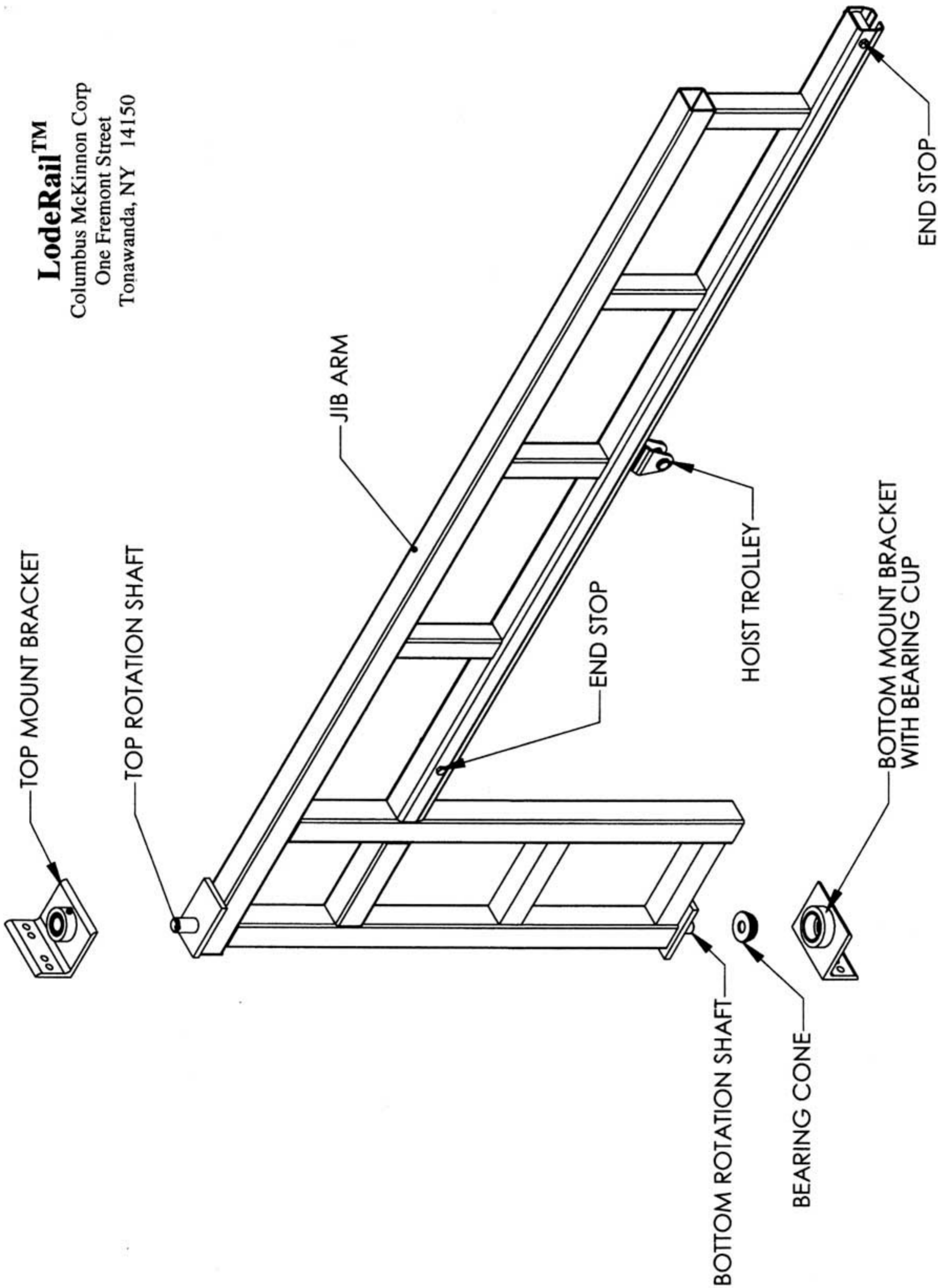
W A R N I N G

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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TM

STRUCTURAL

LODERAIL WALL MOUNTED JIB CRANE SPECIFICATIONS

LOADING

Model #	Capacity (lbs)	Span (in)	TH1 (in)	TH5 (in)	A3 (in)	SC1 (in)	SC2 (in)	WEIGHT (lbs)	THRUST/PULL FORCE (lbs)
100-WBJ-4	100	48	4.25	2.63	4.63	36	39.50	115	184
100-WBJ-6	100	72	4.25	2.63	4.63	36	39.50	130	287
100-WBJ-8	100	96	9.63	2.63	4.63	36	39.50	165	413
100-WBJ-10	100	120	9.63	2.63	4.63	36	39.50	185	539
100-WBJ-12	100	144	12.63	2.63	4.63	48	51.50	220	520
100-WBJ-14	100	168	12.63	2.63	4.63	48	51.50	240	630
100-WBJ-16	100	192	12.63	2.63	4.63	48	51.50	260	747

150-WBJ-4	150	48	4.25	2.63	4.63	36	39.50	115	251
150-WBJ-6	150	72	4.25	2.63	4.63	36	39.50	130	387
150-WBJ-8	150	96	9.63	2.63	4.63	36	39.50	165	547
150-WBJ-10	150	120	9.63	2.63	4.63	36	39.50	185	706
150-WBJ-12	150	144	12.63	2.63	4.63	48	51.50	220	670
150-WBJ-14	150	168	15.63	2.63	4.63	60	63.50	290	691
150-WBJ-16	150	192	15.63	2.63	4.63	60	63.50	340	843

250-WBJ-4	250	48	4.25	2.63	4.63	36	39.50	115	384
250-WBJ-6	250	72	9.63	2.63	4.63	36	39.50	140	593
250-WBJ-8	250	96	9.63	2.63	4.63	36	39.50	165	813
250-WBJ-10	250	120	12.63	2.63	4.63	48	51.50	200	792
250-WBJ-12	250	144	12.63	2.63	4.63	60	63.50	260	808
250-WBJ-14	250	168	15.63	2.63	4.63	60	63.50	303	983
250-WBJ-16	250	192	15.63	2.63	4.63	60	63.50	335	1157

500-WBJ-4	500	48	9.63	2.63	4.63	36	39.50	125	722
500-WBJ-6	500	72	9.63	2.63	4.63	36	39.50	150	1100
500-WBJ-8	500	96	12.63	2.63	4.63	48	51.50	190	1127
500-WBJ-10	500	120	12.63	2.63	4.63	48	51.50	215	1429
500-WBJ-12	500	144	15.63	2.63	4.63	60	63.50	260	1408
500-WBJ-14	500	168	18.13	2.63	4.63	60	63.50	390	1764
500-WBJ-16	500	192	18.13	2.63	4.63	60	63.50	420	2048

1000-WBJ-4	1000	48	9.63	3.19	5.50	36	39.50	130	1391
1000-WBJ-6	1000	72	9.63	3.19	5.50	36	39.50	160	2107
1000-WBJ-8	1000	96	12.63	3.19	5.50	48	51.50	210	2140
1000-WBJ-10	1000	120	12.63	3.19	5.50	48	51.50	280	2733
1000-WBJ-12	1000	144	17.00	3.19	5.50	60	63.50	310	2648
1000-WBJ-14	1000	168	18.63	3.19	5.50	60	63.50	550	3313
1000-WBJ-16	1000	192	18.63	3.19	5.50	60	63.50	600	3840

