

# Wall Bracket Jib Cranes

*An economical heavy duty solution*

The Wall Bracket (WB100) Jib is the most economical means of providing hoist coverage for individual use in bays, along walls or columns of plants, or as a supplement to an overhead crane or monorail system.

Two key requirements must be met before applying the Wall Bracket Series:

1. A structurally adequate wall or column to support the jib must exist
2. Sufficient clearance above the boom throughout its arc to accommodate the tie rod suspension must exist

## Gorbel's Advantage:

### Ease of Movement

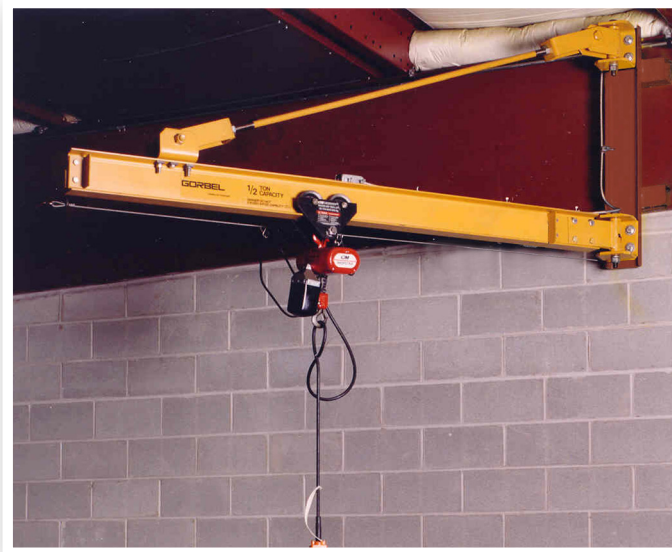
- Low dead weight of the boom combined with bronze bushings and oil-impregnated bronze thrust washers provide for easy rotation and superior load positioning

### Safety

- Formed bracket fittings provide for greater reliability. No welds in tension, all bolts are in double shear for increased strength

### Full Rated Capacity

- Pre-engineered for use with powered hoists. A factor of 15% of the jib crane capacity is allowed for the hoist and trolley weight with an additional 25% of the capacity allowed for impact, thus giving full rated capacity use of the jib

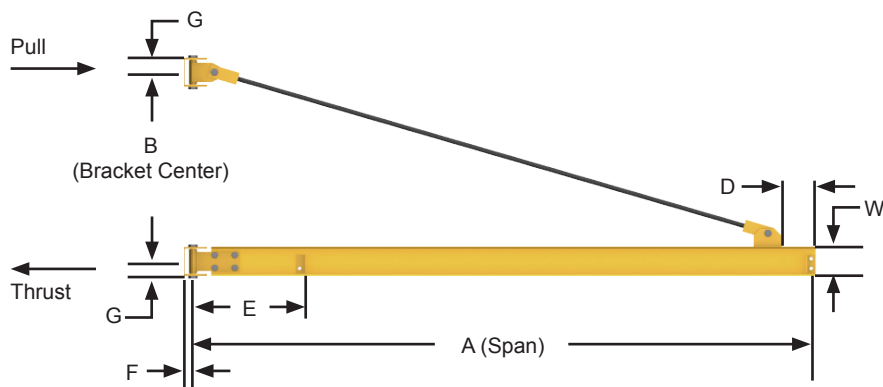


### Ease of Installation

- Single tie rod, right hand threaded at both ends for easy leveling
- All connections bolted, including movable bolted trolley stops
- Grease fittings are provided for easy field lubrication

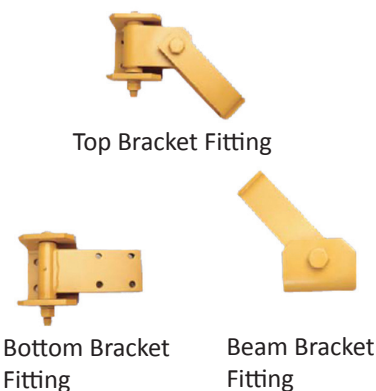
 **200° Power rotation is an available option.**

## WB100 - Wall Bracket Jib



The Thrust & Pull diagram above details the thrust and pull forces that the jib applies to the supporting structure when a load is lifted. It is essential that a structurally adequate wall or column exists. Refer to the Thrust & Pull chart opposite this page for exact forces.

Fitting kits are available for fabrication of cranes locally.



## WB100 Wall Bracket

CAPACITY	SPAN (A)	MODEL NUMBER	B	D	E	F	G	W	TIE ROD DIAMETER	THRUST & PULL
1/2 Ton	8'	WB100-G1-8-6	2' 9"	1' 3"	13-1/2"	3-1/2"	3-1/2"	6"	1"	3709#
	10'	WB100-G1-10-6	3' 0"	1' 6"	13-1/2"	3-1/2"	3-1/2"	6"	1"	4408#
	12'	WB100-G1-12-6	3' 9"	1' 9"	13-1/2"	3-1/2"	3-1/2"	6"	1"	4347#
	14'	WB100-G1-14-6	4' 6"	2' 0"	13-1/2"	3-1/2"	3-1/2"	6"	1"	4317#
	16'	WB100-G1-16-6	5' 6"	2' 0"	13-1/2"	3-1/2"	3-1/2"	6"	1"	4109#
	18'	WB100-G1-18-W8	6' 0"	2' 0"	13-1/2"	3-1/2"	3-1/2"	8"	1"	4453#
	20'	WB100-G1-20-W8	6' 6"	2' 3"	13-1/2"	3-1/2"	3-1/2"	8"	1"	4646#
	24'	WB100-G1-24-W8c6	7' 6"	2' 6"	13-1/2"	3-1/2"	3-1/2"	8"	1"	5426#
	30'	WB100-G1-30-12c8	10' 0"	3' 6"	13-1/2"	3-1/2"	3-1/2"	12"	1"	6009#
1 Ton	8'	WB100-G1-8-6	2' 9"	1' 3"	13-1/2"	3-1/2"	3-1/2"	6"	1"	7273#
	10'	WB100-G1-10-6	3' 0"	1' 6"	13-1/2"	3-1/2"	3-1/2"	6"	1"	8608#
	12'	WB100-G1-12-6	3' 9"	1' 9"	13-1/2"	3-1/2"	3-1/2"	6"	1"	8453#
	14'	WB100-G1-14-W8	4' 6"	2' 0"	13-1/2"	3-1/2"	3-1/2"	8"	1"	8481#
	16'	WB100-G1-16-W8	5' 6"	2' 3"	13-1/2"	3-1/2"	3-1/2"	8"	1"	8055#
	18'	WB100-G1-18-W8	6' 0"	2' 6"	13-1/2"	3-1/2"	3-1/2"	8"	1"	8419#
	20'	WB100-G1-20-10	6' 6"	2' 6"	13-1/2"	3-1/2"	3-1/2"	10"	1"	8966#
	24'	WB100-G1-24-10c6	7' 6"	2' 9"	13-1/2"	3-1/2"	3-1/2"	10"	1"	9877#
	30'	WB100-G1-30-12c8	10' 0"	3' 6"	13-1/2"	3-1/2"	3-1/2"	12"	1"	10069#
2 Ton	8'	WB100-G2-8-W8	2' 9"	1' 3"	13-1/2"	4"	4-1/8"	8"	1-1/2"	14464#
	10'	WB100-G2-10-W8	3' 0"	1' 6"	13-1/2"	4"	4-1/8"	8"	1-1/2"	17100#
	12'	WB100-G2-12-W8	3' 9"	1' 9"	13-1/2"	4"	4-1/8"	8"	1-1/2"	16772#
	14'	WB100-G2-14-W8	4' 6"	2' 0"	13-1/2"	4"	4-1/8"	8"	1-1/2"	16570#
	16'	WB100-G2-16-10	5' 6"	2' 3"	13-1/2"	4"	4-1/8"	10"	1-1/2"	15864#
	18'	WB100-G2-18-12	6' 0"	2' 3"	13-1/2"	4"	4-1/8"	12"	1-1/2"	16725#
	20'	WB100-G2-20-12	6' 6"	2' 6"	13-1/2"	4"	4-1/8"	12"	1-1/2"	17348#
	24'	WB100-G2-24-12c8	7' 6"	3' 0"	13-1/2"	4"	4-1/8"	12"	1-1/2"	18836#
	30'	WB100-G2-30-12c8	10' 0"	3' 0"	13-1/2"	4"	4-1/8"	12"	1-1/2"	18189#
3 Ton	8'	WB100-G3-8-W8	2' 9"	1' 3"	14"	4"	4-5/8"	8"	1-1/2"	21591#
	10'	WB100-G3-10-W8	3' 3"	1' 6"	14"	4"	4-5/8"	8"	1-1/2"	23539#
	12'	WB100-G3-12-10	4' 0"	1' 9"	14"	4"	4-5/8"	10"	1-1/2"	23557#
	14'	WB100-G3-14-10	4' 9"	2' 0"	14"	4"	4-5/8"	10"	1-1/2"	23514#
	16'	WB100-G3-16-12	5' 6"	2' 3"	14"	4"	4-5/8"	12"	1-1/2"	23649#
	18'	WB100-G3-18-12c8	6' 3"	2' 3"	14"	4"	4-5/8"	12"	1-1/2"	23970#
	20'	WB100-G3-20-12c8	7' 0"	2' 6"	14"	4"	4-5/8"	12"	1-1/2"	24037#
	24'	WB100-G3-24-12c8	8' 6"	3' 0"	14"	4"	4-5/8"	12"	1-1/2"	24197#
	30'	WB100-G3-30-12c10	11' 0"	3' 0"	14"	4"	4-5/8"	12"	1-1/2"	24072#
5 Ton	8'	WB100-G5-8-12	3' 0"	1' 6"	15-1/4"	6"	7"	12"	2"	33006#
	10'	WB100-G5-10-12	3' 3"	1' 6"	15-1/4"	6"	7"	12"	2"	39258#
	12'	WB100-G5-12-12	4' 0"	1' 9"	15-1/4"	6"	7"	12"	2"	39072#
	14'	WB100-G5-14-12c8	4' 9"	2' 0"	15-1/4"	6"	7"	12"	2"	39209#
	16'	WB100-G5-16-W16	5' 6"	2' 6"	15-1/4"	6"	7"	16"	2"	39229#
	18'	WB100-G5-18-W16	6' 3"	3' 0"	15-1/4"	6"	7"	16"	2"	39246#
	20'	WB100-G5-20-W16	7' 0"	3' 6"	15-1/4"	6"	7"	16"	2"	39286#
	24'	WB100-G5-24-W16c12	8' 9"	3' 6"	15-1/4"	6"	7"	16"	2"	39926#
	30'	WB100-G5-30-W16c12	11' 0"	3' 6"	15-1/4"	6"	7"	16"	2"	39376#

### Model Number Explanation

Example: 3 Ton WB100-G3-20-12c8; 3 Ton = 6,000 pound capacity, WB100 = wall bracket style, 20 = span (A), 12 = beam size in inches (W), c8 = 8" cap channel welded to top of boom.

### Other Sizes & Capacities Readily Available

Other spans and capacities are available by contacting your local Gorbel® dealer.

**Note:** Dimensions are subject to change without notice.