

THE ECONOMICAL 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.
- 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 maximum capacity use of the jib.

EASE OF INSTALLATION

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

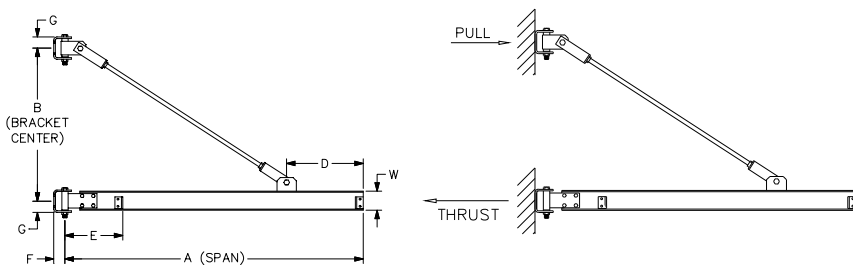
200° POWER ROTATION

- Is optional (see page 4 & 5 for details).



WALL BRACKET JIB CRANES

WB100-WALL BRACKET



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.

TOP BRACKET FITTING



BEAM BRACKET FITTING



BOTTOM BRACKET FITTING



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-G1-18-7 | 6' 0" | 2' 0" | 13 1/2" | 3 1/2" | 3 1/2" | 7" | 1" | 4380# |
| | 20' | WB100-G1-20-8 | 6' 6" | 2' 3" | 13 1/2" | 3 1/2" | 3 1/2" | 8" | 1" | 4658# |
| | 24' | WB100-G1-24-8c6 | 7' 6" | 2' 6" | 13 1/2" | 3 1/2" | 3 1/2" | 8" | 1" | 5350# |
| 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-G1-14-7 | 4' 6" | 2' 0" | 13 1/2" | 3 1/2" | 3 1/2" | 7" | 1" | 8422# |
| | 16' | WB100-G1-16-7 | 5' 6" | 2' 3" | 13 1/2" | 3 1/2" | 3 1/2" | 7" | 1" | 7992# |
| | 18' | WB100-G1-18-8 | 6' 0" | 2' 6" | 13 1/2" | 3 1/2" | 3 1/2" | 8" | 1" | 8430# |
| | 20' | WB100-G1-20-10 | 6' 6" | 2' 6" | 13 1/2" | 3 1/2" | 3 1/2" | 10" | 1" | 8966# |
| | 24' | WB100-G1-24-10c8 | 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-G2-8-8 | 2' 9" | 1' 3" | 13 1/2" | 4" | 4 1/8" | 8" | 1 1/2" | 14469# |
| | 10' | WB100-G2-10-8 | 3' 0" | 1' 6" | 13 1/2" | 4" | 4 1/8" | 8" | 1 1/2" | 17107# |
| | 12' | WB100-G2-812-8 | 3' 9" | 1' 9" | 13 1/2" | 4" | 4 1/8" | 8" | 1 1/2" | 16780# |
| | 14' | WB100-G2-14-8 | 4' 6" | 2' 0" | 13 1/2" | 4" | 4 1/8" | 8" | 1 1/2" | 16578# |
| | 16' | WB100-G2-16-10 | 5' 6" | 2' 3" | 13 1/2" | 4" | 4 1/8" | 10" | 1 1/2" | 15864# |
| | 18' | WB100-G2-18-10 | 6' 0" | 2' 3" | 13 1/2" | 4" | 4 1/8" | 10" | 1 1/2" | 16552# |
| | 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-G3-8-8 | 2' 9" | 1' 3" | 14" | 4" | 4 5/8" | 8" | 1 1/2" | 21596# |
| | 10' | WB100-G3-10-8 | 3' 3" | 1' 6" | 14" | 4" | 4 5/8" | 8" | 1 1/2" | 23545# |
| | 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-G3-16-10 | 5' 6" | 2' 3" | 14" | 4" | 4 5/8" | 10" | 1 1/2" | 23500# |
| | 18' | WB100-G3-18-12 | 6' 3" | 2' 3" | 14" | 4" | 4 5/8" | 12" | 1 1/2" | 23672# |
| | 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-G3-30-12c8 | 11' 0" | 3' 0" | 14" | 4" | 4 5/8" | 12" | 1 1/2" | 23917# | |
| 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-G5-14-12 | 4' 9" | 2' 0" | 15 1/4" | 6" | 7" | 12" | 2" | 38972# |
| | 16' | WB100-G5-16-16 | 5' 6" | 2' 6" | 15 1/4" | 6" | 7" | 16" | 2" | 39229# |
| | 18' | WB100-G5-18-16 | 6' 3" | 3' 0" | 15 1/4" | 6" | 7" | 16" | 2" | 39246# |
| | 20' | WB100-G5-20-16c12 | 7' 0" | 3' 6" | 15 1/4" | 6" | 7" | 16" | 2" | 39877# |
| | 24' | WB100-G5-24-16c12 | 8' 6" | 3' 6" | 15 1/4" | 6" | 7" | 16" | 2" | 40708# |
| 30' | WB100-G5-30-16c12 | 11' 0" | 3' 6" | 15 1/4" | 6" | 7" | 16" | 2" | 39597# | |

Model Number Explanation:

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

Other Sizes & Capacities

Other spans and capacities are available by contacting your local Gorbels Dealer.

Dimensions are subject to change without notice.