

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

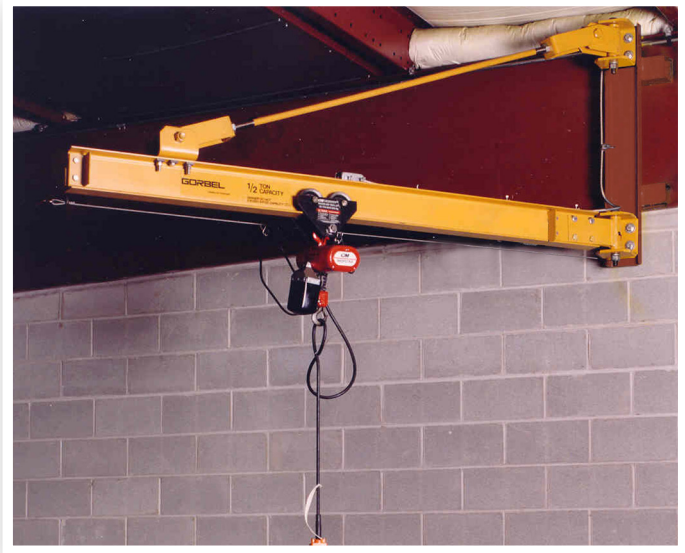
- Low dead weight of the boom combined with bronze bushings and oil-impregnated bronze thrust washers provide for easy rotation and superior load positioning

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



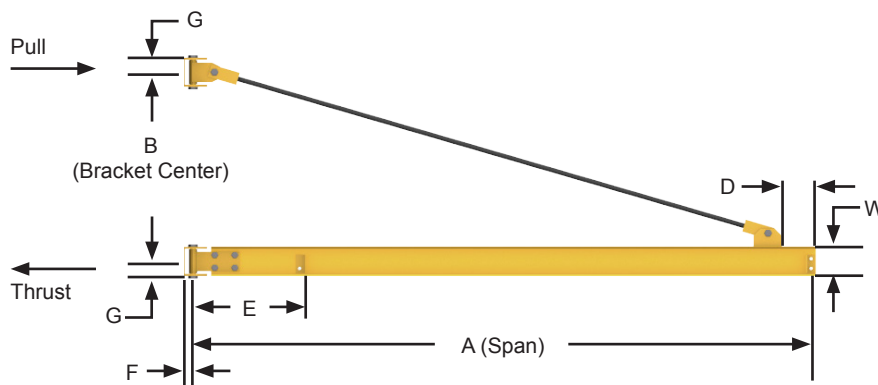
Ease of Installation

- 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



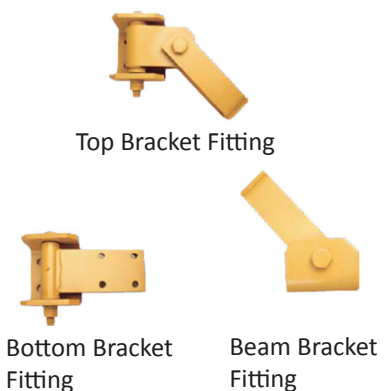
200° Power rotation is an available option.

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.

Wall Cantilever Jib Cranes

An ideal jib for maximizing headroom

The Wall Cantilever (WC200) provides hoist coverage and 200° rotation for individual use in bays, along walls or columns of plants, or as a supplement to an overhead crane or monorail system. The jib has the advantage of providing maximum lift for the hoist, since it can be installed very close to the underside of the lowest ceiling obstruction.

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

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

Gorbel's Advantage:

Ease of Movement

- The fittings contain bronze bushings and oil-impregnated bronze thrust washers which provide for easy rotation and superior load positioning

Safety

- Fabricated steel fittings provide excellent torsional rigidity

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



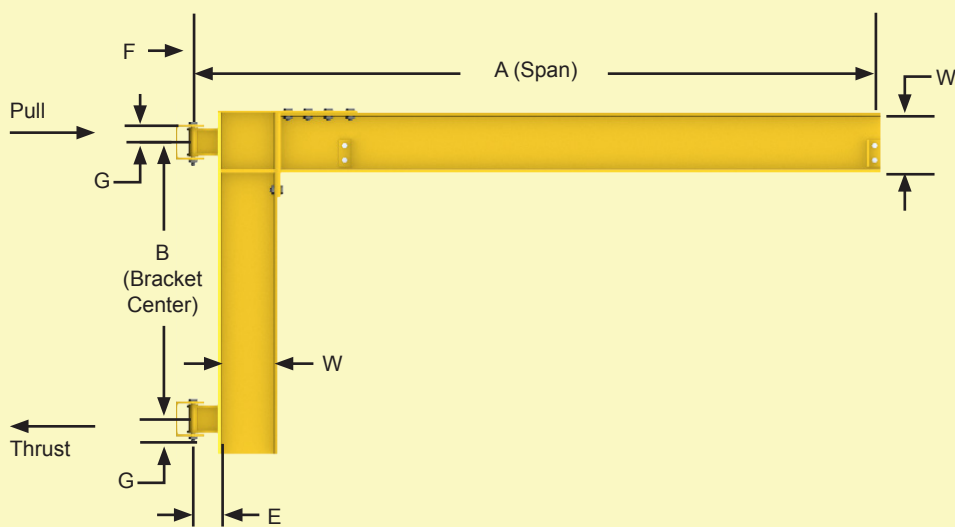
Ease of Installation

- When the bracket center dimension is 6' 0" or less, the mast/boom connection is welded. This provides the most economical means of installation
- When the bracket center is greater than 6' 0", a bolted mast/boom connection is used, which enables the larger cranes to be shipped disassembled for ease of handling during shipping and installation
- Grease fittings are provided for easy field lubrication



200° Power rotation is an available option.

WC200 Wall Cantilever 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.

Top and Bottom Bracket Fittings



Wall Cantilever fitting kits are available for fabrication of cranes locally.

WC200 Wall Cantilever

CAPACITY	SPAN (A)	MODEL NUMBER	B	E	F	G	W	THRUST & PULL
1/4 Ton	8'	WC200-B1-8-6	3' 0"	5"	3-1/2"	6"	6"	1767#
	10'	WC200-B1-10-6	3' 0"	5"	3-1/2"	6"	6"	2308#
	12'	WC200-B1-12-6	3' 0"	5"	3-1/2"	6"	6"	2867#
	14'	WC200-B1-14-W8	3' 0"	5"	3-1/2"	6"	8"	3624#
	16'	WC200-B1-16-W8	3' 0"	5"	3-1/2"	6"	8"	4268#
	18'	WC200-B1-18-W8	4' 0"	5"	3-1/2"	6"	8"	3704#
	20'	WC200-B1-20-10	4' 0"	5"	3-1/2"	6"	10"	4595#
1/2 Ton	8'	WC200-B1-8-W8	3' 0"	5"	3-1/2"	6"	8"	3459#
	10'	WC200-B1-10-W8	3' 0"	5"	3-1/2"	6"	8"	4500#
	12'	WC200-B1-12-W8	3' 0"	5"	3-1/2"	6"	8"	5565#
	14'	WC200-B1-14-W8	4' 0"	5"	3-1/2"	6"	8"	4991#
	16'	WC200-B1-16-10	4' 0"	5"	3-1/2"	6"	10"	6063#
	18'	WC200-B1-18-10	4' 0"	5"	3-1/2"	6"	10"	6979#
	20'	WC200-B1-20-12	6' 0"	5"	3-1/2"	6"	12"	5493#
1 Ton	8'	WC200-B1-8-W8	4' 0"	5"	3-1/2"	6"	8"	5044#
	10'	WC200-B1-10-10	5' 0"	5"	3-1/2"	6"	10"	5294#
	12'	WC200-B1-12-10	5' 0"	5"	3-1/2"	6"	10"	6526#
	14'	WC200-B1-14-10	5' 0"	5"	3-1/2"	6"	10"	7778#
	16'	WC200-B1-16-12	6' 0"	5"	3-1/2"	6"	12"	7678#
	18'	WC200-B1-18-W16	6' 0"	5"	3-1/2"	6"	16"	9148#
	20'	WC200-B1-20-W16	6' 0"	5"	3-1/2"	6"	16"	10367#
2 Ton	8'	WC200-B2-8-12	4' 0"	5"	4"	6"	12"	10054#
	10'	WC200-B2-10-12	4' 0"	5"	4"	6"	12"	12998#
	12'	WC200-B2-12-W16	4' 6"	5"	4"	6"	16"	14409#
	14'	WC200-B2-14-W16	5' 0"	5"	4"	6"	16"	15442#
	16'	WC200-B2-16-W18	6' 0"	5"	4"	6"	18"	15067#
	18'	WC200-B2-18-W18	6' 6"	5"	4"	6"	18"	15892#
	20'	WC200-B2-20-W21	7' 6"	5"	4"	6"	21"	15840#
3 Ton	8'	WC200-B3-8-W16	4' 0"	5"	4"	6"	16"	15060#
	10'	WC200-B3-10-W16	4' 6"	5"	4"	6"	16"	17300#
	12'	WC200-B3-12-W16	5' 6"	5"	4"	6"	16"	17390#
	14'	WC200-B3-14-W18	6' 0"	5"	4"	6"	18"	19017#
	16'	WC200-B3-16-W18	7' 6"	5"	4"	6"	18"	17653#
	18'	WC200-B3-18-W21	8' 6"	5"	4"	6"	21"	17982#
	20'	WC200-B3-20-W21	9' 6"	5"	4"	6"	21"	18105#
5 Ton	8'	WC200-B5-8-W18	6' 6"	7"	6"	9"	18"	15323#
	10'	WC200-B5-10-W18	6' 6"	7"	6"	9"	18"	19770#
	12'	WC200-B5-12-W21	6' 6"	7"	6"	9"	21"	24379#
	14'	WC200-B5-14-W21	7' 6"	7"	6"	9"	21"	25077#
	16'	WC200-B5-16-W24	9' 6"	7"	6"	9"	21"	23240#
	18'	WC200-B5-18-W24	9' 6"	7"	6"	9"	24"	26485#
	20'	WC200-B5-20-W24	9' 6"	7"	6"	9"	24"	29769#

Model Number Explanation

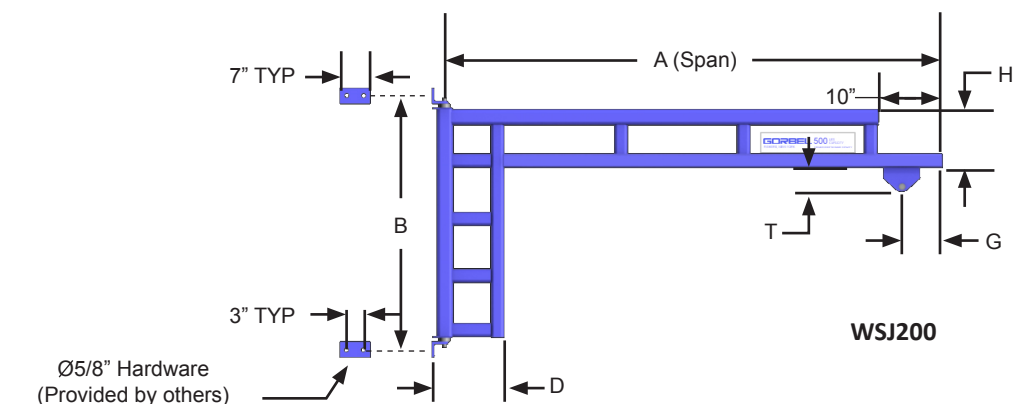
Example: 1 Ton WC200-B1-12-10; 1 Ton = 2,000 pound capacity, WC200 = Wall Cantilever style, 12 = span (A), 10 = boom size in inches (W).

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.

WSJ200 Wall Cantilever Work Station Jibs: 200° Rotation



CAPACITY	SPAN (A)	MODEL NUMBER	TRACK SERIES	WEIGHT	B	D	G	H	T	THRUST & PULL
					in	in	in	in	in	
150#	8'	WSJ200-150-8	250	160#	36	10-3/8	5	9	1-1/2	612#
	10'	WSJ200-150-10	250	181#	36	10-3/8	5	9	1-1/2	801#
	12'	WSJ200-150-12	250	216#	48	13-3/8	5	12	1-1/2	750#
	14'	WSJ200-150-14	500	282#	60	16-7/8	7-1/8	15	2-7/8	782#
	16'	WSJ200-150-16	500	330#	60	16-7/8	7-1/8	15	2-7/8	932#
250#	8'	WSJ200-250-8	250	160#	36	10-3/8	5	9	1-1/2	962#
	10'	WSJ200-250-10	250	198#	48	13-3/8	5	12	1-1/2	933#
	12'	WSJ200-250-12	500	252#	60	16-3/8	7-1/8	15	2-7/8	945#
	14'	WSJ200-250-14	500	282#	60	16-7/8	7-1/8	15	2-7/8	1160#
	16'	WSJ200-250-16	500	330#	60	16-7/8	7-1/8	15	2-7/8	1366#
500#	8'	WSJ200-500-8	500	188#	48	13-3/8	7-1/8	12	2-7/8	1390#
	10'	WSJ200-500-10	500	213#	48	13-3/8	7-1/8	12	2-7/8	1784#
	12'	WSJ200-500-12	500	252#	60	16-3/8	7-1/8	15	2-7/8	1750#
	14'	WSJ200-500-14	1000	384#	60	16-7/8	7-7/8	17-1/2	3-1/8	2152#
	16'	WSJ200-500-16	1000	416#	60	16-7/8	7-7/8	17-1/2	3-1/8	2512#
1000#	8'	WSJ200-1000-8	1000	204#	48	13-3/8	7-7/8	12	3-1/8	2722#
	10'	WSJ200-1000-10	1000	274#	60	16-3/8	7-7/8	15	3-1/8	2781#
	12'	WSJ200-1000-12	1000	301#	60	16-3/8	7-7/8	17	3-1/8	3394#
	14'	WSJ200-1000-14	2000	546#	72	18-7/8	8-1/8	20	2-7/8	3451#
	16'	WSJ200-1000-16	2000	595#	72	18-7/8	8-1/8	20	2-7/8	4010#

Additional Sizes and Capacities Readily Available

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

Note: Dimensions are subject to change without notice.

Accessories for Work Station Jib Cranes

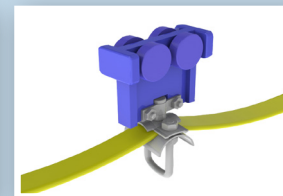
Festooning

Festoon Saddle: Gorbel's Tool Solution saddles were designed for applications that require festooning of cables and hoses. The arched saddle with the option of angled mounting creates a very clean, efficient way to manage your cables and wires.

Saddles are available in 3 and 6 inch diameters for various sized festooning with a 75 pound capacity per saddle. The universal mounting plate allows for the saddle to hang in line with the track, or at a 30° angle to assist the cable in self-coiling, taking up less track space and allowing more room for end approach.



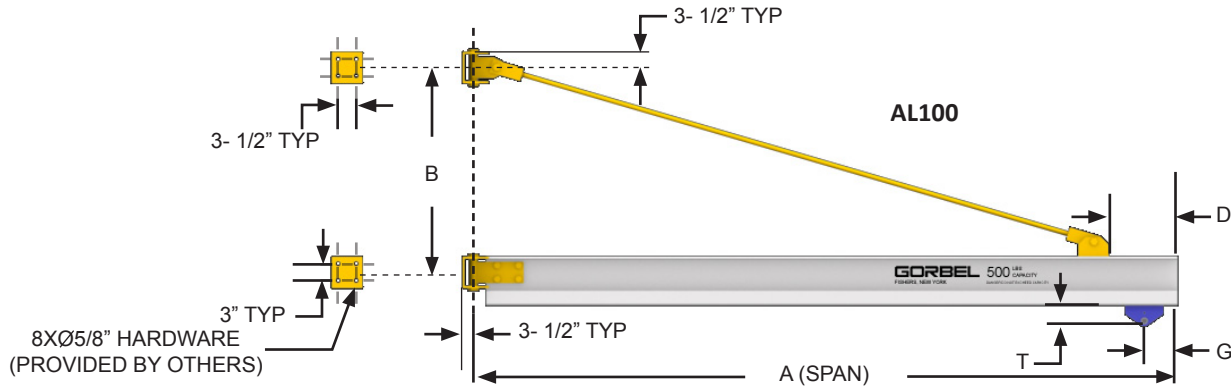
Festoon Gliders are used to support flat electrical cable along the jib boom. No tools are required to attach the festooning to the gliders. *Not available for AL100 jibs.*



Festoon Trolleys are used to support flat cable, air hose or round cable along the jib boom. The trolleys have four wheels and a pivoting festoon saddle support.

Enclosed Track Jibs

AL100 Wall Bracket Work Station Jibs: 200° Rotation



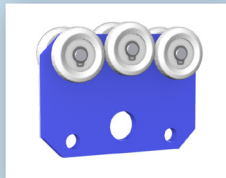
CAPACITY	SPAN (A)	MODEL NUMBER	TRACK SERIES	WEIGHT	B	D	G	T	TIE ROD DIAMETER	THRUST & PULL
					in	in	in	in		
250#	8'	AL100-G1-250-8	A0250	165#	24	18	7-1/4	2-5/8	1"	1377#
	10'	AL100-G1-250-10	A0250	178#	27	21	7-1/4	2-5/8	1"	1567#
	12'	AL100-G1-250-12	A0250	190#	30	24	7-1/4	2-5/8	1"	1725#
	14'	AL100-G1-250-14	A0250	203#	33	27	7-1/4	2-5/8	1"	1861#
	16'	AL100-G1-250-16	A0250	216#	36	30	7-1/4	2-5/8	1"	1979#
500#	8'	AL100-G1-500-8	A0500	173#	36	18	7-1/4	2-5/8	1"	1800#
	10'	AL100-G1-500-10	A0500	187#	42	21	7-1/4	2-5/8	1"	1967#
	12'	AL100-G1-500-12	A0500	202#	48	24	7-1/4	2-5/8	1"	2097#
	14'	AL100-G1-500-14	A0500	217#	54	27	7-1/4	2-5/8	1"	2202#
	16'	AL100-G1-500-16	A0500	231#	60	30	7-1/4	2-5/8	1"	2290#
1000#	8'	AL100-G1-1000-8	A1000	203#	30	18	7-7/8	2-7/8	1"	4306#
	10'	AL100-G1-1000-10	A1000	225#	33	21	7-7/8	2-7/8	1"	4987#
	12'	AL100-G1-1000-12	A1000	246#	36	24	7-7/8	2-7/8	1"	5566#
	14'	AL100-G1-1000-14	A1000	268#	39	27	7-7/8	2-7/8	1"	6066#
	16'	AL100-G1-1000-16	A1000	289#	42	30	7-7/8	2-7/8	1"	6504#
2000#	8'	AL100-G1-2000-8	A2000	231#	48	18	12-7/8	2-7/8	1"	4982#
	10'	AL100-G1-2000-10	A2000	256#	54	21	12-7/8	2-7/8	1"	5713#
	12'	AL100-G1-2000-12	A2000	280#	60	24	12-7/8	2-7/8	1"	6307#
	14'	AL100-G1-2000-14	A2000	305#	66	27	12-7/8	2-7/8	1"	6800#
	16'	AL100-G1-2000-16	A2000	330#	75	30	12-7/8	2-7/8	1"	6929#

Additional Sizes and Capacities Readily Available

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

Note: Dimensions are subject to change without notice.

Trolley Options



Light Tool Trolley: Designed specifically for suspended small tools, the light tool trolley features a six wheel design with the center wheel positioned slightly higher to prevent binding when force is applied at an angle. The short

wheel base allows for multiple trolleys to be used in a small area, making this trolley ideal for hanging tooling with spring balancers that require side loading capabilities. This trolley fits 250 series track in capacities up to 75 lbs.



Heavy Tool Trolley: The heavy tool trolley features six wheels with the center axis set higher to prevent binding. With a higher capacity and longer body profile, this trolley fits 500 series track in capacities up to 125 lbs., and can be used for suspending tools or festooning. An optional swivel attachment can be added to the bottom edge to support festooning of electrical, air or vacuum tube.

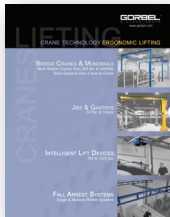
Rotation Options

Four Ring Electrical Collector (Top or Bottom Entry - not shown) Provides continuous 360° rotation of the boom when using an electrical lifting device. The top entry collector requires 11 ¼" additional clearance height

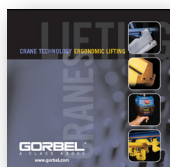
Air Swivel (Top or Bottom Entry - not shown) Provides continuous 360 rotation of the boom when using an air powered lifting device. A top entry collector require 5" of additional clearance above the pivot pin. The bottom entry collector requires 8 ½ to 9 ½ inches above the pivot pin depending on span and capacity.

Manual Rotation Stops (not shown): To prevent boom damage to machines, equipment, or building structures, rotation stops can be used to the limit the WSJ360 rotation to less than 360°.

OVERVIEW BROCHURE



OVERVIEW DVD



FOR MORE INFORMATION

Your authorized Gorbel® dealer can give you more information on what makes Gorbel's Ergonomic Work Station Cranes and other material handling products "A Class Above."

CRANES



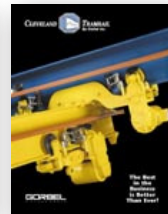
FREE STANDING



CEILING MOUNTED



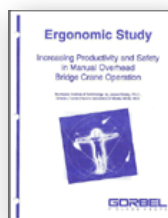
GANTRY CRANES



CLEVELAND
TRAMRAIL®



TOOL SOLUTIONS



ERGONOMIC STUDY



INTERLOCK/
TRANSFER

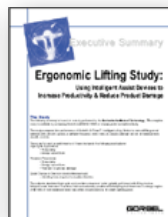


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