

JIB CRANES

Capacities from 50 pounds to 5 tons

PERFORMANCE I-BEAM JIBS • ENCLOSED TRACK WORK STATION JIBS • ARTICULATING JIBS
LIGHT DUTY TOOL SUSPENSION JIBS • PIVOT PRO® VACUUM SEALED JIBS

GORBEL®
A C L A S S A B O V E

Why Choose Gorbel® Products?

- 1 Quick Ship Programs**
 Gorbel offers a 5-Day Quick Ship program which means that most cranes and most components can ship in five working days. Fast, reliable, on time shipments are just one of many ways Gorbel is working with our customers to make it easier to purchase our products. Optional two and three day shipments are also available at a premium.
- 2 Ten Year Warranty**
 We are proud to offer a ten year (20,000 hour) warranty on manually operated crane systems. With this warranty, our customers are guaranteed years of quality, dependable service.
- 3 Reliability**
 Since 1996 our on-time shipping percentage has been over 99%. We're proud that our customers can rely on us to ship their orders on time, keeping to their installation schedules. No other manufacturer in the industry can offer five day shipping and a 99% on-time rate.
- 4 Ease of Installation**
 We've been told time and time again that our products are much easier to install than others in the industry.
- 5 "If it's late, we pay the freight"**
 With this program if we don't have an order ready to ship on or before the scheduled ship date, we will pay the freight for the order. Contact your local Gorbel® dealer for details.
- 6 Multiple Shipping Points**
 With manufacturing facilities in Fishers, New York; Pell City, Alabama; Goodyear, Arizona; and Tianjin, China, we are able to offer multiple shipping points, decreasing shipping costs to our customers.
- 7 Extensive Dealer Network**
 Our network of dealers extends across North America and many countries internationally, making it easier for a trained local material handling sales consultant to provide the best solution for your needs.
- 8 Customer Service Support**
 Our customer service teams are the best in the industry.

Selecting Your Jib Crane

	Crane Type	Best Use	Standard Capacities	Standard Spans	Motorized Option	Special Foundation Requirements	Beam Type	Page Number
Performance	Free Standing I-Beam Jibs	Heavy duty, high productivity applications	1/4 ton - 5 tons	8' - 20'	●	Some designs	Structural beam	4-5
	Wall Bracket Jibs	An economical heavy duty solution	1/2 ton - 5 tons	8' - 30'	●	None	Structural beam	6-7
	Wall Cantilever Jibs	An ideal jib for maximizing headroom	1/4 ton - 5 tons	8' - 20'	●	None	Structural beam	8-9
	Mast Type Jibs	Reduced thrust and pull	1/4 ton - 5 tons	10' - 20'	●	None	Structural beam	10-11
Enclosed Track	Work Station Jibs	Lower capacity, high productivity applications	Up to 1000 pounds	4' - 16'		Some designs	Enclosed track	14-16
	Aluminum Wall Bracket Jibs	Easiest movement with minimal bounce	Up to 2000 pounds	4' - 20'		None	Enclosed track	17
	Tool Support Jibs	Suspension of tools, management of cables	50 - 150 pounds	4' - 12'		None	Enclosed track	18-19
Articulating	Articulating Jibs	Reaching around corners or into machines	Up to 2000 pounds	8' - 16'		Some designs	Tubing	22-24
	PIVOT PRO®	Optimized to pair with vacuum tube lifters and air hoists	Up to 150 pounds	8' - 12'		None	Tubing	25-27

Motorized Rotation Jib Cranes

Why a Gorbel® Motorized Jib Crane?

Gorbel® Motorized Jibs are not mere adaptations. They are totally conceived as motorized products, with all the outstanding features of our standard jib cranes, plus these:

Control

- Variable Frequency Drives (VFD) are standard on all Motorized Jib Cranes. The drive can be configured for single or multiple speeds

Long Life

- Precision drive assembly with field adjustable torque limiter for added drive protection
- Worm gear reducer with oil bath lubrication for reliable operation and low maintenance. Worm gear reducer includes overload safety clutch
- Heavy-duty, totally enclosed, fan cooled, 3 phase Class B, 40°C ambient continuous, "C" faced motor, 30 minute rated, is standard

Precision

- Direct drive for all series jib cranes allows for accurate and consistent positioning of loads. This modular drive design makes maintenance easy and reduces long term costs
- Wall Cantilever and Mast Type masts are boxed for extra rigidity to withstand the forces of a Motorized Crane and provide more precise load control



Motorized Jibs are available in the Free Standing, Wall Bracket, Wall Cantilever, and Mast Type Series. Retrofit Motorized kits for Free Standing Jibs are also available. Pair with a GS Hoist for a complete solution.

Motorized Control Package Features

Variable Frequency Drive (VFD) is standard

- The Variable Frequency Drive can be used in one, two or three speed applications

VFD provides the ultimate in load control

- The VFD provides the ultimate in load control and positioning from the slowest possible creep speed up to the maximum speed

Easily adjustable speed control

- Through a simple keypad on the VFD, the acceleration rate, deceleration rate and rotation speed can be adjusted to fit your application. This allows you to customize the performance of the jib to your exact requirements

Designed for indoor and outdoor use

- When being used outdoors, the cranes are designed to operate in winds of 15 mph or less, based on a maximum load surface of 64 square feet. Consult the factory for applications exceeding these standards

Standard NEMA Rated Control Enclosure

- Gorbel's standard control enclosure meets the requirements for NEMA 3R, 12 and 4 environments. Optional enclosures are available for other environments

Low Maintenance Costs

- The VFD eliminates the need for magnetic reversing contactors, reduces the number of wearable components in the panel, and reduces long-term maintenance costs



Retrofit Existing Jibs with Motorized Rotation

The Retrofit Traction Drive kit will fit all Free Standing Jibs with box-style head assemblies no matter who made your jib crane. The modular drive assembly bolts to the back of the box-style head assembly. The friction drive powers large, heavy-walled rollers. The drive roller is easily adjusted to ensure a constant driving force. This is a great way to upgrade an existing Free Standing Jib Crane with motorized power making the Retrofit Kit a great, cost-effective way to solve workers' compensation or safety problems. Retrofit Traction Drive kits are available for indoor applications up to 5 ton with spans to 20 feet.

Retrofit Drive

Free Standing Jib Cranes

For heavy duty, high productivity applications

Free Standing Jib Cranes are Gorbel's most versatile crane. They are perfect to place underneath large bridge cranes, in open areas where they can serve several work stations, in outdoor applications such as loading docks, or in machining and assembly operations where they can be overlapped with other jibs to provide staged operation.

Gorbel's Advantage:

Ease of Operation

- Allows operators to position loads precisely, effortlessly and efficiently
- Precision tapered roller bearings in top pivot and trunnion assemblies provide smooth operation and long life
- Full supporting triangular base plate gussets are used (in lieu of struts) to minimize crane deflection, thus making it easier to accurately position load

Ease of Installation

- Independent head assembly, installed separately from the boom for easier installation
- Recessed bearing assembly allows greatly reduced clearances needed for installation
- Bolted head/boom connection which permits separate installation and provides maximum lift for the hoist, since it can be installed very close to the underside of the lower ceiling obstruction for greater headroom
- Movable bolted trolley stops
- In-head totally enclosed, bottom entry collector assembly allows the option of easily adding power to the hoist for 360° rotation at the time of or after purchase

Safety

- Head retaining pin provides resistance to accidental upward dislodgement of the head

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



Power rotation is an available option.

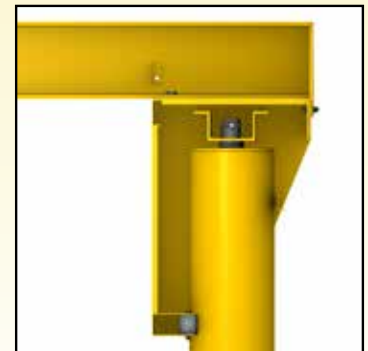


Designed for Performance

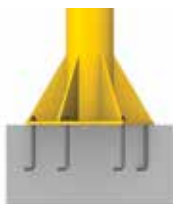
Gorbel's boxed style head provides benefits from installation through operation of the jib crane.

The design allows for installation of the head prior to the boom, which reduces the required installation clearances and allows maximum hoist lift.

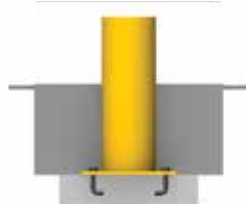
The boxed style head also increases stability versus common sleeve-over-pipe designs. The result is less deflection and bouncing of the load, which creates a safer application with reduced risk of product damage.



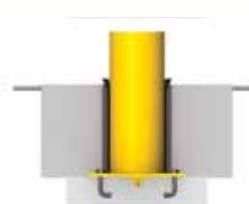
Free Standing Mounting Styles



FS300 - Baseplate Mounted



FS350 - Insert Mounted (permanent mount)

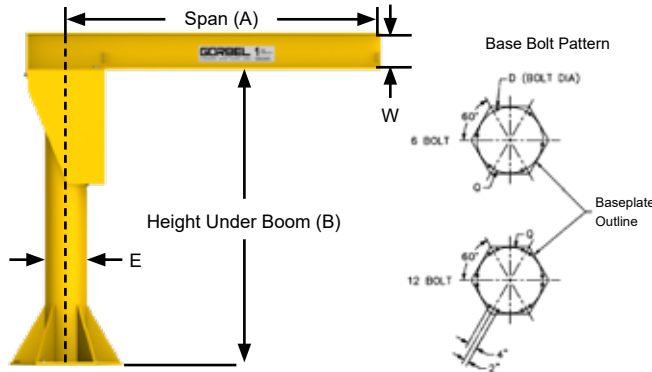


FS350S - Insert Sleeve Mounted (jib can be removed)



Optional baseplate for larger foundationless designs

FS300 Baseplate Mounted



Mast Diameter (E)	8"	12"	14"	16"	18"	20"	24"	30"
Number of Anchor Bolts	6	6	6	12	12	12	12	12
Bolt Diameter (D)	1"	1" or 1.25"	1.25"	1.25"	1.25"	1.25"	1.25"	1.25"
Bolt Circle* (Q)	24"	24"	30"	36"	42"	48"	54"	60"

Note: For jib crane foundation requirements, overturning moment, axial load and anchor bolt pull out forces, consult your local Gorbels® dealer.

*Dimensions from corners of the hexagonal baseplate are 6" longer than the corresponding bolt circle.

CAPACITY	HUB (B)	SPAN (A)							
		8'	10'	12'	14'	16'	18'	20'	30'
1/4 Ton	8'	FS300-8-W6	FS300-8-W6	FS300-8-W6	FS300-12-W8	FS300-12-W8	FS300-12-W10	FS300-12-W10	30' Span Jibs Available - Consult Gorbels® Customer Service for additional information.
	10'	FS300-8-W6	FS300-8-W6	FS300-8-W6	FS300-12-W8	FS300-12-W8	FS300-12-W10	FS300-12-W10	
	12'	FS300-8-W6	FS300-8-W6	FS300-12-W6	FS300-12-W8	FS300-12-W8	FS300-12-W10	FS300-12-W10	
	14'	FS300-8-W6	FS300-8-W6	FS300-12-W6	FS300-12-W8	FS300-12-W8	FS300-12-W10	FS300-14-W10	
	16'	FS300-8-W6	FS300-8-W6	FS300-12-W6	FS300-12-W8	FS300-12-W8	FS300-12-W10	FS300-14-W10	
	18'	FS300-8-W6	FS300-12-W6	FS300-12-W6	FS300-12-W8	FS300-14-W8	FS300-14-W10	FS300-14-W10	
	20'	FS300-8-W6	FS300-12-W6	FS300-12-W6	FS300-14-W8	FS300-14-W8	FS300-14-W10	FS300-16-W10	
1/2 Ton	8'	FS300-8-W6	FS300-8-W6	FS300-12-W8	FS300-12-W8	FS300-12-W10	FS300-12-W10	FS300-12-W12	
	10'	FS300-8-W6	FS300-8-W6	FS300-12-W8	FS300-12-W8	FS300-12-W10	FS300-12-W10	FS300-14-W12	
	12'	FS300-8-W6	FS300-12-W6	FS300-12-W8	FS300-12-W12	FS300-12-W12	FS300-14-W16	FS300-14-W16	
	14'	FS300-8-W6	FS300-12-W6	FS300-12-W10	FS300-12-W12	FS300-12-W12	FS300-14-W16	FS300-14-W16	
	16'	FS300-8-W6	FS300-12-W6	FS300-12-W10	FS300-12-W12	FS300-14-W12	FS300-14-W16	FS300-16-W16	
	18'	FS300-8-W6	FS300-12-W6	FS300-12-W10	FS300-14-W12	FS300-14-W12	FS300-16-W16	FS300-16-W16	
1 Ton	8'	FS300-12-W8	FS300-12-W8	FS300-12-W10	FS300-14-W12	FS300-14-W12	FS300-14-W16	FS300-14-W16	
	10'	FS300-12-W8	FS300-12-W8	FS300-12-W10	FS300-14-W12	FS300-14-W12	FS300-14-W16	FS300-14-W16	
	12'	FS300-12-W8	FS300-12-W8	FS300-14-W10	FS300-14-W12	FS300-16-W12	FS300-16-W16	FS300-16-W16	
	14'	FS300-12-W8	FS300-12-W8	FS300-14-W10	FS300-14-W12	FS300-16-W12	FS300-18-W16	FS300-18-W16	
	16'	FS300-12-W8	FS300-12-W8	FS300-14-W10	FS300-16-W12	FS300-16-W12	FS300-18-W16	FS300-18-W16	
	18'	FS300-12-W8	FS300-14-W8	FS300-16-W10	FS300-16-W12	FS300-18-W12	FS300-18-W16	FS300-18-W16	
2 Ton	8'	FS300-14-W10	FS300-14-W12	FS300-16-W12	FS300-16-W16	FS300-16-W18	FS300-18-W18	FS300-18-W18	
	10'	FS300-14-W10	FS300-14-W12	FS300-16-W12	FS300-16-W16	FS300-16-W18	FS300-18-W18	FS300-18-W18	
	12'	FS300-14-W10	FS300-14-W12	FS300-16-W12	FS300-16-W16	FS300-16-W18	FS300-18-W18	FS300-18-W18	
	14'	FS300-14-W10	FS300-14-W12	FS300-16-W12	FS300-16-W16	FS300-18-W18	FS300-18-W18	FS300-20-W18	
	16'	FS300-14-W10	FS300-14-W12	FS300-16-W12	FS300-18-W16	FS300-18-W18	FS300-18-W18	FS300-24-W18	
	18'	FS300-14-W10	FS300-16-W12	FS300-18-W12	FS300-18-W16	FS300-20-W18	FS300-20-W18	FS300-24-W18	
3 Ton	8'	FS300-16-W12	FS300-16-W16	FS300-18-W16	FS300-18-W18	FS300-20-W18	FS300-20-W21	FS300-24-W24	
	10'	FS300-16-W12	FS300-16-W16	FS300-18-W16	FS300-18-W18	FS300-20-W18	FS300-20-W21	FS300-24-W24	
	12'	FS300-16-W12	FS300-16-W16	FS300-18-W16	FS300-18-W18	FS300-20-W18	FS300-20-W21	FS300-24-W24	
	14'	FS300-16-W12	FS300-16-W16	FS300-18-W16	FS300-18-W18	FS300-20-W18	FS300-20-W21	FS300-24-W24	
	16'	FS300-16-W12	FS300-16-W16	FS300-18-W16	FS300-18-W18	FS300-20-W18	FS300-24-W21	FS300-24-W24	
	18'	FS300-16-W12	FS300-16-W16	FS300-18-W16	FS300-20-W18	FS300-24-W18	FS300-24-W21	FS300-24-W24	
5 Ton	8'	FS300-18-W16	FS300-20-W18	FS300-24-W18	FS300-24-W21	FS300-24-W24	FS300-30-W24	FS300-30-W24	
	10'	FS300-18-W16	FS300-20-W18	FS300-24-W18	FS300-24-W21	FS300-24-W24	FS300-30-W24	FS300-30-W24	
	12'	FS300-18-W16	FS300-20-W18	FS300-24-W18	FS300-24-W21	FS300-24-W24	FS300-30-W24	FS300-30-W24	
	14'	FS300-18-W16	FS300-20-W18	FS300-24-W18	FS300-24-W21	FS300-24-W24	FS300-30-W24	FS300-30-W24	
	16'	FS300-18-W16	FS300-20-W18	FS300-24-W18	FS300-24-W21	FS300-24-W24	FS300-30-W24	FS300-30-W24	
	18'	FS300-18-W16	FS300-20-W18	FS300-24-W18	FS300-24-W21	FS300-24-W24	FS300-30-W24	FS300-30-W24	

Model Number Explanation

Example: 1/4 Ton FS300-8-W6; 1/4 Ton = 500 pound capacity, FS300 = base plate mount style, 8 = mast diameter in inches (E), 6 = beam size in inches (W). Use "E" dimension above to determine base plate and anchor bolt dimensions.

Other Models, Sizes and Capacities Readily Available

FS350 (insert mounted), FS350S (sleeve insert mounted), and other spans, heights, and capacities are available by contacting your local Gorbels® dealer.

Note: Dimensions are subject to change without notice.