

# O'BRIEN

LIFTING SOLUTIONS INC.



## High Capacity Multi-Purpose Free Standing & Wall Mounted Jib Cranes

# Most Extensive Line of Jib Cranes in North America

- Capacities up to 40,000 lbs
- Outreach ranges up to 65 ft
- Mast heights up to 40 ft
- Custom solutions available



## Company Profile

*O'Brien Lifting Solutions Inc. (O'Brien's)* is a manufacturer of overhead cranes, jib cranes, light rail workstation cranes, gantry cranes, monorail cranes and lifting beams and a supplier of commercial doors and loading dock equipment, serving the industry for over 50 years within Canada and the United States.

*O'Brien's* offers one of the largest selections of jib cranes available in North America. We have the solution for your jib crane applications from our wide range of standard models or from our robust jib models designed for those very long and tall jib cranes with exceptionally high lifting capacities.

Our exclusive partnership of 30 years with Europe's leading jib crane manufacturer, *Vetter Krantechnik* combined with *O'Brien's* wealth of crane building expertise with the best jib crane design in the world. Together we have consistently provided the top quality jib crane your process needs in order to deliver the sustained return that your investment demands.

The *O'Brien* team is well equipped and ready to evaluate your crane needs and develop the most cost effective solution, from the initial design all the way up to the finished installation.

## Why Buy O'Brien?

### 1 Industry Experts

Our 50 years of experience always works in your favour as we consistently manufacture top quality crane products.

### 2 Engineered Solutions

Our engineers design products to meet all structural requirements, safety standards and inspections.

### 3 Unmatched Installations

*O'Brien* service technicians are not only experts in crane installations, their customer relation skills will leave you satisfied every step of the way.

### 4 Extensive Dealer Network

Get the same quality product throughout Canada and the United States through our local dealers.

### 5 Customer Service

Our highly trained team is available 24 hours a day, 7 days a week to ensure your productivity is not lost.

### 6 One Stop Shop

We design, manufacture, install and even take down your existing cranes. The total package is available to you.



# Quality Products with Turnkey Solutions

Let us meet your jib crane needs with a wide variety of total package solutions. Every installation is carefully planned to ensure your crane is installed properly the first time, on time.



## Choosing Your Jib Crane

A jib crane will increase work flow production by improving material handling efficiency. Giving consideration to the following parameters will help you correctly specify the jib crane required for your application.

### Capacity

What is the maximum weight of the load to be lifted? (Generally, the lifting capacity of your jib crane will always be higher than its weight)

### Boom Rotation

Free standing jib cranes offer up to 360° rotation and wall mounted types offer up to 180° rotation.

### Jib Boom Outreach

The distance measured from the boom pivot point and usually stated in the following terms:

- Boom span - the distance out to the boom tip
- Hook reach - the distance to the farthest lifting point

### Jib Crane Height

The distance measured from the floor and usually stated in the following terms:

- Overall height - the distance to its highest point
- Height under boom - which is self-explanatory

### Under Boom Height

Distance from the floor to the underside of the boom, which will determine the type of hoist required.

### Installation

Free standing jib cranes must be erected onto a poured concrete foundation, or, onto a substantially thick, reinforced concrete slab. The *O'Brien Direct Mount Base Plate* is available for the latter method.

Wall mounted jib cranes can be installed against many types of steel columns such as a wide flange beam or hollow structural tubing or even monolithic poured concrete columns and walls.



# CADET

## The Economical Helper for Every Workstation



**Maximum Rotation**  
Nominal 270°

**Maximum Capacity**  
Up to 4,000 lbs

**Maximum Outreach**  
Up to 38 ft

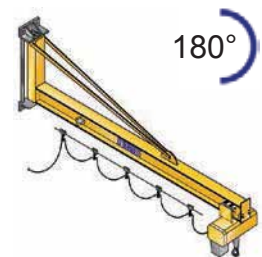
**Custom Designs**  
Available

Freestanding and wall mounted *Cadet* jib cranes are a cost effective solution designed for simple operational requirements. A light jib arm and welded tie rod support is used for the boom. The total height can be adapted to meet individual requirements.

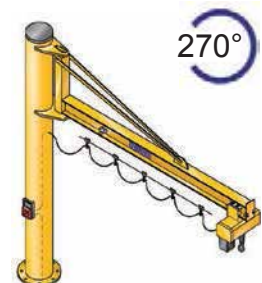
### Features

- Manual rotation only
- Large hinge pin and nylon bushing for smooth operation, long life
- Factory welded dual tie rod bar for easy installations, no levelling adjustments
- Factory set preload in jib boom for optimum jib inclination under load
- Welded end stops complete with shock absorbing rubber bumpers
- Boom comprised of structural wide flange beam

Cadet Wall Mounted



Cadet Floor Mounted



Capacity in lbs	Outreach in ft																
	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38
150	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
250	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
500	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
1,000	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
1,500	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
2,000	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
3,500	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
4,000	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■

# ASSISTANT

## Adjustable Options to Fit Your Needs



**Maximum Rotation**  
Nominal 270°

**Maximum Capacity**  
Up to 4,000 lbs

**Maximum Outreach**  
Up to 38 ft

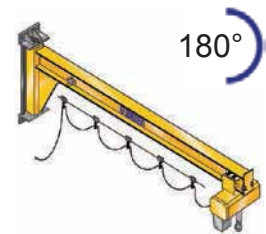
**Custom Designs Available**

Freestanding and wall mounted *Assistant* jib cranes are a cost effective solution designed for simple operational requirements. A light jib arm and low headroom cantilever is used for the boom. The total height can be adapted to meet individual requirements.

### Features

- Manual or motorized rotation available on selected models
- Large hinge pin and nylon bushing for smooth operation, long life
- Factory welded cantilever boom design
- Factory set preload in jib boom for optimum jib inclination under load
- Welded end stops complete with shock absorbing rubber bumpers
- Boom comprised of structural wide flange beam

Assistant Wall Mounted



Assistant Floor Mounted



Capacity in lbs	Outreach in ft																
	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38
150	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
250	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
500	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
1,000	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
1,500	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
2,000	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
3,000	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
4,000	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■



# SERGEANT

## Optimize Your Space Capabilities



**Maximum Rotation**  
Nominal 180°

**Maximum Capacity**  
Up to 20,000 lbs

**Maximum Outreach**  
Up to 38 ft

**Custom Designs Available**

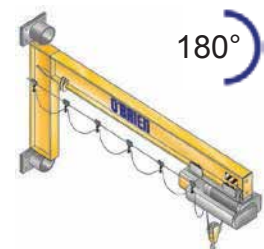
The wall mounted *Sergeant* jib crane has a low headroom cantilever design suited for a wide variety of lifting applications in the production environment. It relieves overhead cranes and other lifting equipment, accelerates the work-flow and reduces costly idle times of employees and machines. It is typically installed to structural building columns, crane runway columns and reinforced concrete columns sufficiently designed for the purpose.

### Features

- Self aligning spherical roller hinge bearings
- Factory welded cantilever. Boom levelling not required
- Factory set preload in jib boom providing optimal boom inclination for efficient trolley operation
- Bolted end stops complete
- Boom comprised of structural wide flange beam

Capacity in lbs	Outreach in ft																
	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38
1,000	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
2,000	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
3,000	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
4,000	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
5,000	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
6,000	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
8,000	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
10,000	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
12,000	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
16,000	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
20,000	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■

Sergeant Wall Mounted



# MAJOR

## The Best Selling Crane Worldwide



**Maximum Rotation**  
360°

**Maximum Capacity**  
Up to 20,000 lbs

**Maximum Outreach**  
Up to 48 ft

**Custom Designs Available**

Free standing *Major* jib cranes have proven itself many times over to be the world's bestselling jib crane for indoor and outdoor applications. This crane can be used for nearly every workstation as it allows for complete customization for all aspects. A wide range of accessories can be added to equip the jib crane for all lifting requirements.

### Features

- Self-aligning spherical main bearing
- Factory welded cantilever boom design
- Factory set preload in jib boom optimum jib inclination under load
- Bolted end stops
- Boom comprised of structural wide flange beam
- Welded pressure ring
- Convex face roller wheels

Capacity in lbs	Outreach in ft																						
	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	
250	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
500	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
1,000	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
2,000	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
3,000	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
4,000	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
5,000	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
6,000	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
8,000	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
10,000	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
12,000	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
16,000	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
20,000	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■

Major Floor Mounted



# BOSS

## Built for the Toughest Applications



**Maximum Rotation**  
360°

**Maximum Capacity**  
Up to 40,000 lbs

**Maximum Outreach**  
Up to 65 ft

**Custom Designs Available**

The free standing *Boss* jib crane is designed for those lifting applications made tougher by their high lifting capacities, longer boom lengths and higher lift heights. The *Boss* jib crane is commonly used in outdoor marinas, stockyards, power plants, foundries and smelting plants.

### Features

- Heavy duty design
- Installation location: indoor / outdoor
- Motorized rotation only
- Cantilever box design

Capacity in lbs	Outreach in ft																						
	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	65	
4,000																							
6,000																							
8,000																							
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16,000																							
18,000																							
20,000																							
24,000																							
28,000																							
35,000																							
40,000																							

Boss Floor Mounted





# LANCER

## Flexible and Rapid Handling of Work Pieces



Articulated Boom  
Rotation < 360°

Maximum Capacity  
Up to 1,000 lbs

Maximum Outreach  
Up to 16 ft

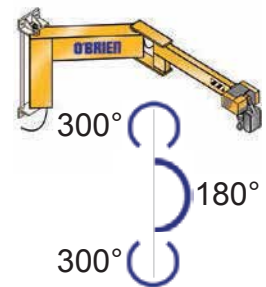
Custom Designs  
Available

The *Lancer* jib crane is available in wall mounted and free standing designs. Its cantilever boom is designed with an articulating knuckle joint which allows hook reach behind the support column and around adjacent obstructions. In long, narrow rooms where the conventional jib boom has minimal swing, the articulating Lancer boom reaches all the way from the back corner to the front.

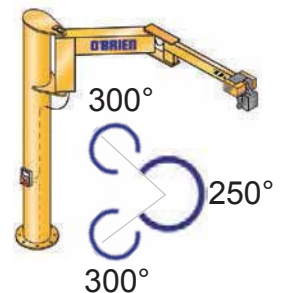
### Features

- Indoor applications only
- Manual rotation only
- Low headroom cantilever boom design
- Hoist suspension pin fixed at the boom end
- Nylon bushing for smooth rotation, low wear and long life
- Factory set preload in jib boom providing optimal boom inclination for easy trolley operation
- Welded end stops complete with shock absorbing rubber bumpers
- Boom comprised of structural wide flange beam

Lancer Wall Mounted



Lancer Floor Mounted



Capacity in lbs	Outreach in ft					
	6	8	10	12	14	16
150	■	■	■	■	■	■
250	■	■	■	■	■	■
500	■	■	■	■	■	■
1,000	■	■	■	■	■	■

# APPLICATION SPECIFIC JIB CRANES

## Made to Increase Your Productivity



### WALL-TRAVELLING JIBS

Maximum Capacity Up to 20,000lbs	Maximum Outreach Up to 48ft
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The *Wall-Travelling* jib crane is a profitable addition to the bridge crane bay. Although it offers less floor coverage than the bridge crane, the wall-travelling jib crane provides the very same benefits plus more. They are used in production environments where many work stations are linked together on a straight line. Expensive idle time among machinery and personnel is eliminated by the wall-travelling jib which transports the product to the next station independently of the main bridge crane.

#### Features

- Indoor applications only
- Lift and transport product through full length of the shop
- VFD - controlled travel speeds
- Low headroom cantilever boom design



### SERGEANT MAJOR JIBS

Maximum Capacity Up to 10,000lbs	Maximum Outreach Up to 24ft
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The *Sergeant Major* is a low cost alternative to a free standing jib because of its "axial" design. The load reactions at the upper and lower connections are easier to manage than the typical overturning moment of a free standing jib crane.



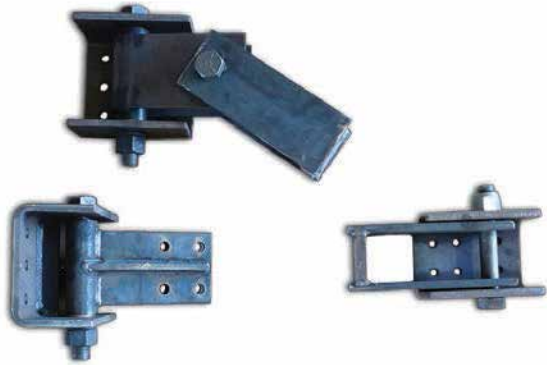
### TIE-ROD JIB

Maximum Rotation Nominal 200°	Maximum Capacity Up to 6,000lbs	Maximum Outreach Up to 30ft
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The *Tie-Rod Jib* is a general purpose wall-mount jib used to increase productivity in every work station. Its simple "bolt together" design is cost effective and easy to install.

# PARTS & ACCESSORIES

## Maximize the Potential of Your Jib Crane

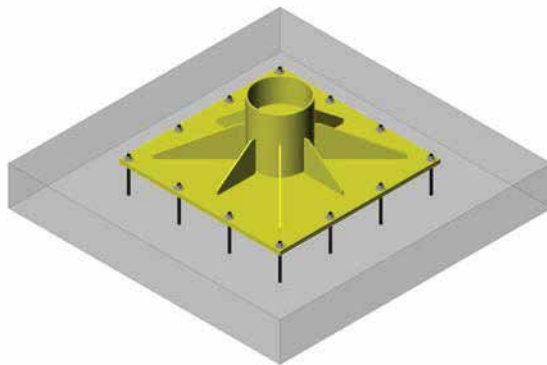


### HINGE KITS

Build your own *Tie-Rod* jib crane with *O'Brien Hinge Kits*; in stock for quick delivery.

#### Kits include

- Upper hinge bracket with tie-rod clevis
- Lower hinge bracket
- Lower clevis with flange bracket
- Structural detail drawing



### DIRECT MOUNT BASE PLATE

The *Direct Mount Base Plate* is our cost-effective alternative to the poured concrete jib crane foundation.

#### Features

- No need to design and pour expensive foundations
- Safe crossing, because the gussets are low profile
- Simple anchor stud installation provides fast commissioning
- Steel shimming used instead of grouting
- Available on jib cranes up to 4,000 lbs



# O'BRIEN

LIFTING SOLUTIONS INC.



Visit us online at [www.obrienliftingsolutions.com](http://www.obrienliftingsolutions.com)

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