



- Facility Planning & Design
- Cost Estimating & Feasibility Studies
- Site Analysis & Acquisition
- Construction Management
- Facility Management

ADDENDUM 1

May 26, 2026

ADDENDUM NUMBER 1 to CONTRACT DOCUMENTS for

A NEW PUBLIC WORK FACILITY

810 Northwoods Blvd
Vandalia, Ohio 45377

Documents prepared by WDC Group LLC, Springfield, Ohio, dated MY 18, 2026

PART I - TO ALL CONTRACTORS:

- A. This Addendum is part of the contract documents. Changes shall be taken into account in preparing the proposal. Contractors shall verify this by indicating receipt of addendum in their proposals.

PART II - INTENT AND SCOPE:

- A. Attached to this Addendum are the meeting notes from the Pre-Bid Conference, along with the attendees list.
- B. Attached to this Addendum is a current list of known planholders.
- C. REMINDER: Bidders are to submit substitution requests per Section 01630 - Substitutions. All requests must be sent during the bidding process.
- D. CLARIFICATION: The Owner will carry the Builder's Risk Insurance for this project.
- E. CLARIFICATION: The Owner will be responsible for paying for all testing of soil, concrete, steel, etc. Each Prime Contractor is to coordinate all inspections related to their scope with the testing company retained by the Owner.
- F. CLARIFICATION: There are no coiling doors on this project. There are aluminum overhead doors.

PART III - SPECIFICATIONS

- A. CHANGE: Section 00100 - Legal Notice and Section 00101 - Invitation to Bid. Bids shall be enclosed in a sealed envelope addressed to the City of Vandalia, 333 James E. Bohanan Memorial Drive, Vandalia, Ohio 45377, and plainly marked on the outside "NEW PUBLIC WORKS FACILITY." Bids will be received until

11:00 AM, local time June 26, 2026 at the Development and Engineering Services, 333 James E. Bohanan Memorial Drive and immediately after the deadline the bids will be opened and publicly read aloud in the Council Chambers at 333 James E. Bohanan Memorial Drive (Municipal Building), Vandalia, Ohio 45377.

B. ADD: Section 00300 - Construction Schedule. Add the attached Section 00300 Construction Schedule to the specifications.

1. The Construction Schedule shall be developed by the Coordinating Contractor as provided in the Contract Documents. The Contractor's obligation to furnish requested scheduling information is a material term of its Contract. If the Contractor fails to furnish requested scheduling information in writing within seven (7) days of a request for such information from the Coordinating Contractor, Architect or Owner, the Contractor shall pay and the Owner may withhold from the Contractor Liquidated Damages at the rate of Fifty Dollars (\$50.00) a day for each calendar day thereafter that the Contractor fails to furnish the requested information. The Construction Schedule is for the purpose of coordinating the timing, phasing and sequence of the Work of the Contractors and shall not change or modify the Date for Substantial Completion. The Date for Substantial Completion shall only be changed or modified by Change Order, other Modification or by a Claim that is Finally Resolved, regardless of any dates in the Construction Schedule. "Finally Resolved" means that the Architect has made a decision on the Claim under Section 4.4.6 of the General Conditions, and that any litigation regarding the Claim has been concluded. The Coordinating Contractor shall be the 1a – GW&L Contractor.

C. ADD: Section 01230 – Alternates.

1. Part III, B, 2 - Alternate #2 – Flush Mount Vertical Lift: Add the attached Steril Koni Skylift documentation to this Alternate.

2. Part III, B, 3 – Alternate #3 – Jib Crane. Add the attached Abell-Howe Cranes documentation to this Alternate.

D. DELETE: Section 15500 – Controls. Delete Section 15500 from the Project Manual.

END OF ADDENDUM 1



PRE-BID MEETING NOTES

A NEW PUBLIC WORK FACILITY

810 Northwoods Blvd
Vandalia, Ohio 45377

• Facility Planning & Design

• Cost Estimating &
Feasibility Studies

• Site Analysis & Acquisition

• Construction Management

• Facility Management

May 18, 2026

11:00 AM

1. Representatives of the Architect and Owner present at the meeting were:
 - A. Chris Widener, WDC Group
 - B. Dave Aills, WDC Group
 - C. James Lopez, WDC Group
 - D. Natalie Brandenburg, WDC Group
 - E. Rob Cron, Assistant City Manager, City of Vandalia
 - F. Ben Borton, Public Service Director, City of Vandalia
 - G. Jake Hayslett, Public Works Superintendent, City of Vandalia
 - H. Robert Martin, Chief Building Official; City of Vandalia
 - I. Darren Davey, Information Technology Manager, City of Vandalia
2. Bidders in attendance were asked to sign-in and were provided a Pre-Bid Agenda.
3. The goal of this Pre-Bid Conference is to help Bidders bid on the project.
4. The drawings and specifications are available via Dropbox to those who provide their email addresses and contact information to cavec@wdc-group.com.
5. Bids shall be enclosed in a sealed envelope addressed to the City of Vandalia, 333 James E. Bohanan Memorial Drive, Vandalia, Ohio 45377, and plainly marked on the outside "NEW PUBLIC WORKS FACILITY." Bids will be received until 11:00 AM, local time June 26, 2026 at the Development and Engineering Services, 333 James E. Bohanan Memorial Drive and immediately after the deadline the bids will be opened and publicly read aloud in the Council Chambers at 333 James E. Bohanan Memorial Drive (Municipal Building), Vandalia, Ohio 45377. Bidders are responsible for ensuring that their bid is delivered to the correct location by the deadline.
6. Specification Section 00101 – Invitation to Bid
 - A. The Bid Packages for this project are: 1A – GW&L (*includes 8A – OHD, 2B – Fuel Island Canopy and Equipment, and 15C – Fire Sprinkler/Fire Alarm*), 2A – Site Work, 15A/15B – Plumbing/Mechanical, and 16A – Electrical.
 - B. The last date for clarifications and submission of substitution material is June 22, 2026 at 9:00 am so the final addendum may be issued. All questions should be emailed to the Architect's office at cavec@wdc-group.com.
7. Bidders are to review the project manual, specifications, and drawings in their entirety.

8. Specification Section 00200 and 00210 – Instructions to Bidders and Supplemental Instructions to Bidders
 - A. Bidders should review these section during the bidding process.
 - B. This is a prevailing wage project.
 - C. This is a sales tax-exempt project.
 - D. Consideration of Bids and determination of the “lowest and best” bid. Note that the owner reserves the right to accept or reject any or all bids, and waive any irregularities. (Section 00210 – Article 9)
 - E. Addenda do not always rule in a conflict of drawings, specification and addenda. The most stringent requirement rules, UNLESS THE ADDENDUM SAYS SPECIFICALLY TO DELETE A REQUIREMENT.
 - F. Criteria to be reviewed for Lowest and Best is located in Section 9 of Specification Section 00210 -
9. Specification Section 00300 – Construction Schedule
 - A. A bar chart schedule will be issued in Addendum #1 for this project. This will show how we anticipate the project flowing and the end of the project.
10. Specification Section 00400 – Bid Forms
 - A. This document to be included in bid envelope.
 - B. Bidders are asked to include contact information (including an after hours phone number) for the individual in their firm that can fully discuss the bid.
 - C. Bidders are to acknowledge receipt of the addenda that were issued for the project on the first page of the Bid Form.
 - D. The Bid Guaranty and Contract Bond is to be included with the Bid. The particular language on this document is the language required by public entities in the state of Ohio. Bid Guaranty and Contract Bond included in the Bid must include the language required. There is a line to fill out the amount of the bond – if it is left blank it is assumed to include the Base Bid and all selected alternates. If Bidder chooses to enter a value in that line they need to make sure that it is the total of all Base Bid and all Alternates. The ORC also allows for a Bid Guaranty Payment which would be a cashier’s check in the amount of 10% of the bid (including alternates).
 - E. The Bid Form chart were reviewed. The chart includes Base Bid, Unit Prices, Allowances, and Alternates. The unit prices for allowances are to be provided at an hourly rate. The unit prices for labor will be utilized through the project for any change orders, etc.
 - F. Combination Bids will be accepted for this project. Bidders are to use the same nomenclature for Bid Packages when providing their combination bid. Bidders can provide as many bid combinations as they choose.

11. Specification Section 00450 – Contractor’s Qualification Statement
 - A. This document should be included in bid envelope. The AIA document is included in the specifications for the Bidders use. Bidders should include projects including similar type and size in their references.
12. Specification Section 00700 – Standard Form of Agreement A105
 - A. Bidders are to review this during the bidding process.
 - B. Pay Special attention to additional clauses on page 11-12 of the contract. Contractor will be required to sign and initial these items to execute contract.
13. Specification Section 00800 – Supplemental Conditions
 - A. If a trade contractor needs a permit for their scope of work they will need to apply for said permit (i.e. plumbing) and include that fee in their Base Bid.
 - B. The Fuel island requires a Department of Commerce permit. The 1A – GW&L will need to include that fee in their Base Bid.
 - C. The permit fees for the general building permit does not need to be included in the Base Bid.
 - D. Information about liquidated damages for this project are included in this section.
14. Specification Section 00620 – Certificates of Insurance.
 - A. Contractor will need to provide insurance that meets these minimum requirements and must list the City of Vandalia as an additional insured on each policy.
15. Specification Section 00850 – Prevailing Wage Rates
 - A. This is a prevailing wage project.
 - B. Current Prevailing Wage Rates have been included in Section 00850.
 - C. This is a prevailing wage project. Ohio Prevailing Wage rates will be required for all work completed onsite. The Owner has three requirements per Ohio law (1) provide current wage rates at the time of bidding, (2) provide updates to contractors throughout the project, and (3) conduct onsite interviews of construction personnel onsite for a record project file.
16. Specification Section 00900 – Geotechnical Report
 - A. Bidders are to review the soils report for this project during the bidding of this project. This site was a wooded area and it is not believed to be built on previously. There is ground water indicated in the report. The 2A contractor should get the drainage and storm installed during the initial

phase of the project. There are unsuitable soils for footers and foundations indicated in the report. The geotechnical report has two recommended options for the unsuitable soil and contractor is permitted to choose either option as part of their means and methods. Option one includes removal, replacement, fill, and compaction to a suitable level and option 2 includes installation of geopiers. These drawings and specs have been sent to the regional sales representative for geopiers this project. (Geopier, Mark Salveter, Mark.Salveter@cmc.com, 513.516.1251) Remediation for this project is to be INCLUDED in the Base Bids for the project.

- B. This section needs to be clearly reviewed and incorporated into bidder's bids.
 - C. Bidders are asked to submit questions related to the responsibilities of 2A and 1A contractors related to the unsuitable soils so that they may be answered via addendum.
 - D. Permits for wetlands have been applied for and are believed to be approved, awaiting final comments.
17. Construction Testing
- A. The Owner will be responsible for paying for all testing of soil, concrete, steel, etc. Contractors are to coordinate all inspections with the testing company retained by the Owner, called for in the Contract Documents and Special Inspections Report chart.
18. Specification Section 01110 – Summary of Work
- A. Bidders are requested to review this and ask any questions during bidding.
19. Specification Section 01210 - Allowances
- A. Allowances are included in Section 01210. Specific labor allowances will be required of contractors per that section. **NOTE: ALLOWANCES ARE TO BE INCLUDED IN THE BASE BID.**
20. Specification Section 01230 - Alternates
- A. Alternates as described in this section are to be added to or deducted from the Base Bid amounts.
 - B. These are items that the Owner may or may not want to do.
21. Specification Section 01250 – Change Orders
- A. Change orders are only to be approved only by the Owner BEFORE any and all work is started.
22. Specification Section 01290 – Applications for Payment
- A. Contractors are to use AIA Documents for the Applications for Payment.
 - B. Schedule of Values are required. Typed forms are required and will be approved at the beginning of the project.

- C. Release of liens will be required with each pay application submission.
23. Specification Section 01310 – Project Meetings
- A. See section 01310 for responsibilities of Architect, Owner, and Contractor.
 - B. Job Progress Meetings will be mandatory. Contractors and subcontractors are required to have a representative at each weekly meeting for the duration of the project. Bidders are encouraged to not count on being excused.
 - C. Person representing each prime contractor must be able to make decisions affecting time and financial commitments on behalf of the contractor at those meetings.
24. Specification Section 01330 – Submittals
- A. All submittals are due to the architect. Contractors shall submit their information as detailed in the section.
25. Specification Section 01500 – Temporary Facilities
- A. Bidders are to review the requirements to be met by each Contractor and include these in their bid to complete their work according to the construction schedule.
 - B. The 1A Contractor will provide the dumpsters for the project. There is an allowance for dumpsters.
 - C. The 1A Contractor will provide a job trailer for the project. Details for the job trailer are included in this section.
26. Specification Section 01600 – Materials and Equipment was reviewed.
27. Specification Section 01630 - Substitutions
- A. All substitutions of material will be decided upon by the Architect and documented (approvals only) in Addenda. All requests for approvals of substitutions will need to be sent during the bidding period
 - B. Requests for Substitutions must be made during the bidding process. There will be no substitutions approved once bidding is complete. Bidders are asked to provide as much information as possible that shows how the proposed product matches or exceeds the specified product.
28. Specification Section 01710 – Cleaning
- A. Cleaning is required by all contractors. There is daily, routine cleaning required by each bid package.
29. Specification Section 01770 – Contract Closeout
- A. There are a lot of document required to closeout the project. Bidders are to review this section.
 - B. Two hard copies will be required for submission as well as electronic copies.
30. Specification Section 02000 – Site Work
- A. Bidders were asked to review this section for additional breakdown of responsibilities by Bid Package.
31. Specification Sections 13120 and 13554.

- A. The Pre-Engineered specifications includes a delegated design for the building and foundations, footings, and reactions..
 - B. The footings are on the structural plans and are designed based on one company's reactions. There is language in the specifications that states that if a different company is used other than the Basis of Design in the Contract Documents and that company requires different footings and reactions, it is that company's responsibility to design, submit engineered drawings for approval, and be responsible for any footings that are changed as a result of the alternative manufacturer's design.
32. Drawings – The Drawings for the project were reviewed.
- A. The use of Coded Notes was described.
33. Questions/Discussion
- A. Question: Who is responsible for the schedule?
 - (1) The schedule that prepared by WDC will be used to identify schedule and milestones. The 1A Bid Package has the responsibility to prepare a detailed schedule in coordination with the other Bid Packages. Once the schedule is agreed to by the contractors it will be to each contractors' contract via change order.
 - B. Question: Why is the Fire Alarm included in the 1A Bid Package?
 - (1) The fire alarm is required because of the Fire Sprinkler system. It exists to monitor the sprinkler and HVAC systems required by code. This will be clarified via addendum.
 - (2) If duct detectors required then those will be required by the fire alarm contractor to be installed in the mechanical contractors work.
 - C. Fuel Management System will be a delegated design. We have specifics on equipment that the Owner is interested in, canopy, etc. Because the system has to be a licensed Ohio designer that will have to submit a sealed design for the permit to the State of Ohio. The design shown works with the City's current access control.
 - D. Access control, data, alarm, is being done by a separate vendor. The 16A - Electrical Contractor has some conduit and wiring to provide at the doors that require access control. The intent is that the doors will be delivered prepped with electronic locks and power supplies from the supplier. The Access Control vendor will be adding software.
 - E. The Architect's Estimate for the project will be in the Addendum.
 - F. A new Bid Form will be issued to move Alternate #4 into the 2A – Site Work Bid Package and adjust other alternate pricing.

- G. Question: the Electrical drawings reference conduits to feed the transformer “see riser” however nothing is on the riser.
- (1) This will be addressed via addendum as the exact location is being resolved with the utility company now.
- H. Question: Which trades should bid Alternates #2 – Flush Mount Vertical Lift and #3 – Jib Crane and does a Bid Package need to be bid in order to bid these alternates?
- (1) Bid Alternate #2 or #3 – doesn’t have to be complete bid. Should we include on electrical. Crane and scissor list. That equipment if it is alternate then electrical will need the alternates to power that equipment.
- I. The first addendum is expected to be issued this week and will include the sign-in from the pre-bid meeting, a list of current planholders, pre-bid meeting notes, and the architect’s estimate. It will also include the first round of responses to RFIs received.
- J. Question: Contractors must use SharePoint for the project. Are contractors required to hold an individual license to use SharePoint?
- (1) Contractors do not have to hold an individual license to access the cloud storage of files on SharePoint. They can gain access via the email address that they provide.
- K. The City of Vandalia Fire Department will do inspections throughout the project.
- L. Generator permit will be required by the 16A – Electrical Contractor.
- M. Will have an answer for CenterPoint and AES on connections to services point of delivery.
- N. The Culvert shown on the Civil “C” Drawings is already under contract. A new culvert is being installed. It has been bid and ordered. The construction timeline is very short once the new culvert is delivered. The goal is to get through this bidding process and get contractor’s contracts through City Council you will be ready to go to work. There is not really any other means of access to the construction site until the new culvert is installed.
- O. This project is expected start once the contract is approved by City Council. This date is tentatively set for July 20th.

#	Bid Pkg	Spec Sec	Work Description	May 2026			June 2026			July 2026			August 2026			September 2026			October 2026			November 2026			December 2026			January 2027			February 2027			March 2027			April 2027			May 2027			June 2027			July 2027			August 2027			September 2027			October 2027			November 2027			December 2027			January 2028			February 2028			March 2028			April 2028																														
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15B - Mechanical																																																																																																							
			Rough-In																																																																																																				
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16A - Electrical																																																																																																							
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			Fire Alarm System																																																																																																				
			Intrusion Detection, Access Control, and Intercom																																																																																																				
			Closed Circuit Television System																																																																																																				

END OF SECTION 00300

steriti **KONI**[®]



SKYLIFT

The platform lift with complete freedom of movement



ebright



PLATFORM SKYLIFT

SUPERIOR SOLUTIONS FOR HEAVY DUTY VEHICLE LIFTING

NO. 1 IN HEAVY DUTY VEHICLE LIFTING

Stertil-Koni provides a complete range of heavy duty vehicle lifts and lifting equipment for customers all over the world.

All Stertil-Koni vehicle lifts are designed and manufactured in-house by a team of specialists with expertise in the heavy duty vehicle lifting industry. Stertil-Koni is represented across the globe by local sales organizations, exclusive Stertil-Koni distributors, and a network of qualified Stertil-Koni Service partners.

This makes Stertil-Koni the Number 1 in heavy duty vehicle lifting around the world.



Completely vertical lifting operation



Easy access Y-shaped construction



Maximum vehicle access

Stertil-Koni Platform SKYLIFT

The Stertil-Koni SKYLIFT is a fully hydraulic platform lift and provides a "clear floor concept" with a completely vertical rise without any horizontal offset. A truly space-saving premium heavy duty vehicle platform lift compared to conventional parallelogram or other platform lifts. The product's elegant design includes two independent platforms, vertical lifting, no crossbeams, no overhang and no base frame. It provides free access from all sides with easy installation and minimal maintenance.

Complete Freedom of Movement

The SKYLIFT has a very robust construction and at the same time a very effective design. Easy "drive-on" and "drive-off"; complete freedom of movement and easy accessibility under and around the elevated vehicle, whereby the mechanic can move freely under the platforms. Perfect for inspection, preventive maintenance, and service work.



COMPLETE LIFTING VERSATILITY, RELIABILITY AND DURABILITY



Safe and ergonomic



High return on investment



Strong and durable

Maximum Versatility

The SKYLIFT is very versatile and delivers a high return on investment with low installation costs; low-to-no maintenance and maximum versatility. Due to the fact that the SKYLIFT does not require a pit, it can also be dismantled in the event of a move to a new workshop location. The SKYLIFT is available in a wide range of models, each with its own lifting capacity.

The Stertil-Koni SKYLIFT is a high quality and robust constructed platform lift. The top plates are not welded together like many conventional platform lifts on the market, and are constructed out of one full piece of steel. This makes the SKYLIFT very strong and extremely durable.

Adjustable Robustness for Any Fleet

- Lifting capacity from 62,400 - 156,000 lbs.
- Various platform lengths from 23 - 48 feet or in tandem 100 feet.
- Customer configured platform spacing width which can be determined during installation.
- Distinctive Y-Shaped smart design construction.
- Horizontal forces on the floor anchors only occur when driving and braking of the vehicle. There are also fewer anchors required for mounting the lift.
- No obstacles on the workshop floor such as base frames or other support structures.
- Independent mechanical locking.
- Microprocessor-controlled synchronization system.

SAFE, SMART, ERGONOMIC DESIGN

The mechanic can work ergonomically and safely standing upright under the vehicle. A toolbox trolley and other workshop equipment can easily be moved under the platforms.



Mechanical Locking System

Safe, Reliable Operating Features

- All axles of the SKYLIFT are manufactured from stainless steel to prevent corrosion.
- 4-Leg synchronization with an accuracy of 1.0 inch preventing the SKYLIFT from lowering if there is an obstruction.
- High wear resistant low friction bearings are used in the leg construction.
- Precision independent mechanical locking which starts at just 3 5/8 inches above the floor.
- Automatic, continuous and gravity-operated overload protection system as a safeguard for excess or uncontrolled descent.
- A microprocessor-controlled synchronization system.
- Lifting exceeds tested standards.



Automatic Recess Cover Plates

- Automatic Cover Plate System for the flush mounted SKYLIFT. The recess cover plates automatically rise when the lift is elevated.
- The unique "Y-shaped" patented cross-leg construction ensures an equal distribution of forces making the SKYLIFT extremely robust and stable.

- During operation the safety measuring system constantly monitors the position of all individual legs and where necessary adjusts and synchronizes automatically.
- Low voltage control system; all electric lines are low voltage for absolute safety.
- A galvanized recess cover system is available as an option.
- Reliable and strong Stertil-Koni hydraulics system.
- Stertil® Guard™ Anti-Skid Coating preventing vehicle movement and wear on the platforms.



Removable side panels for easy maintenance

Intuitive ebright Smart Control System

- Patented Stertil-Koni easy touchscreen ebright Smart Control System configured for owner and user secure operation.
- Operational use information; height and lifting cycles.
- Preventative Maintenance.
- ebright allows two lifts in tandem configuration to be operated at the same time.
- The control console houses the power and operation unit with easy maintenance and inspection access.
- Fitted with a manual override lowering in the event of power outage.





MAXIMUM SAFETY AND COMPLETE FREEDOM OF MOVEMENT

Reverse Roll-Off Protection System

Safety is one of Stertil-Koni's top priorities. The automatic Reverse Roll-Off Protection System with optimum safety prevents the vehicle from inadvertently rolling-off the lift. This system also effectively lengthens the platform lengths compared to conventional platform lifts. This option is available for all SKYLIFT models and can be fitted to existing installations.



Flush mounted with Reverse Roll-Off



FOR ALL

For new and existing workshops

Flush mounted, semi-flush mounted, or surface mounted – each model is possible with the SKYLIFT. This heavy duty vehicle lift is suitable for a wide range of vehicles and workshop situations.



Flush with the floor and ideal for low-clearance vehicles

Flush Mounted

- Flush with the floor, for easy drive-on, ideal for low-clearance city transit buses.
- Lifting height of **69 inches** due to unique, longer-leg construction.
- No protruding obstacles on the workshop floor.
- Strong and safe galvanized recess cover plate system allows workshop equipment to be easily moved, such as toolboxes, Transmission Jacks and Axle Stands.
- The only cover plate system that can cope with loads of up to and including 3,300 lbs.



WORKSHOP SITUATIONS

Semi-Flush Mounted

- Shallow recess construction, thus reduced construction costs in existing building situations.
- Does not require a pit.
- Easy drive-on for low-clearance vehicles like buses or commercial vehicles with side skirts.

Surface Mounted

- Low drive-on height of only 13.75 inches.
- Ideal for existing workshop situations.
- Fewer floor anchors required than conventional surface mounted platform lifts.
- Easy to install, no additional construction work required.
- Standard versatile drive-on ramps supplied for smooth drive-on, suitable for all types of vehicles.



Fixed end-stops or "drive-thru" versions



Versatile modular drive-on ramps

EXTRA LONG, EXTRA HEAVY



Special solutions for special requirements

With the innovative SKYLIFT, Stertil-Koni can always provide you with a superior customized solution. The SKYLIFT is available in various platform lengths (from 23 up to 48 feet).

Do you want your platform to be even longer? The SKYLIFT can be configured in tandem.

Tandem configuration

With a special synchronization set and a bridging-piece between the two lifts, it is possible to use two SKYLIFT vehicle lifts safely and quickly as either a single long lift or simply as two individual lifts. The drive-on is just as safe and equally smooth as with a single configuration. This is due to the minimal amount of space between the two lifts.



Various platform lengths



Platform lengths up to 48 feet



Extra flexibility for very long vehicles

DESIGNED FOR WASH-BAYS



Galvanized Wash-Bay Model

If you want to be able to work in a steam-cleaning bay, Steril-Koni has the perfect solution for this too, the Steril-Koni Wash-Bay SKYLIFT. This model is supplied with fully hot-dip galvanized platforms and footplates, lift legs and feet coated with extremely resistant heavy duty Maritime off-shore anti-corrosion coating and a lockable stainless steel control box.

Facing the Elements

- Very tough and durable for all models.
- Installation both inside and in wash-bay.
- Lockable polished stainless steel SKYLIFT control console.
- ebright Smart Control System for intuitive touchscreen operation.



Stainless steel control console



Galvanized platforms



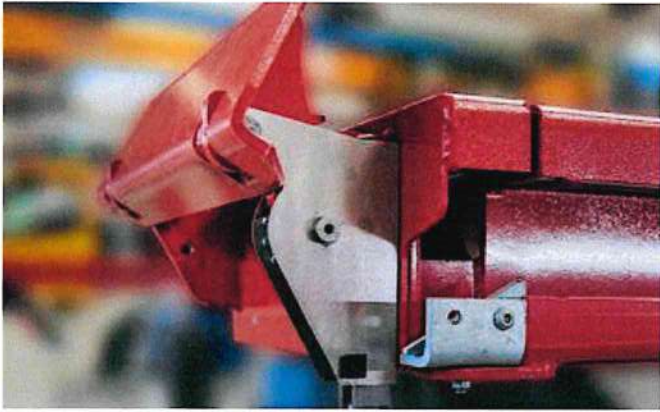
Steril® Guard™ Anti-Skid Coating

MAKE MAINTENANCE AND REPAIR EVEN EASIER, EVEN SAFER



Additional Features & Options all models:

- Recess cover plates for flush mounted models
- Reverse Roll-Off Protection System
- Additional multi-purpose drive-on approach ramps for a wide range of vehicles
- Optional platform length extensions can be mounted prior to installation or even later with retrofitting
- Synchronization kit for tandem configuration
- Remote control
- Jacking Beams
- Compressed Air Kit
- Two-speed lowering
- LED lighting
- Stertil® Guard™ Anti-Skid Coating
- 49 inches platform extensions



Reverse Roll-Off Protection

- Added safety feature prevents vehicles from rolling-off the platforms.
- Increases actual platform length by 19 inches.
- Flush with the floor when lift is not in use.
- No additional ramps required.
- Ideal for tandem configurations as no bridging pieces are required.



Automatic Recess Cover Plate System

- Strong and robust with a weight tolerance of 3,300 lbs.
- Increased working safety and convenience.
- Mechanical locks engage automatically when the SKYLIFT is in an elevated position.
- Very durable, long lifespan with hot-dip galvanization as standard.



Jacking Beams

- Flexible wheel-free maintenance for tire or brake repairs.
- Jacking Beams in lifting capacities of 26,400 or 35,200 lbs.



LED Lighting

- Modular plug-and-play 24V LED lighting kits.
- Supplied complete with transformer and fixtures.
- IP65 water resistant.
- Eco-friendly, long lifespan bulbs.



Modular drive-on ramps and extensions

- Ideal for low-clearance vehicles in various lengths.



Steril® Guard™ Anti-Skid Coating

- Prevents tire skidding or slipping on the platforms.

Operational features

- Vertical lifting
- Programmable lifting height
- Trouble Shooting diagnostic system
- Manual override lowering in case of power failure

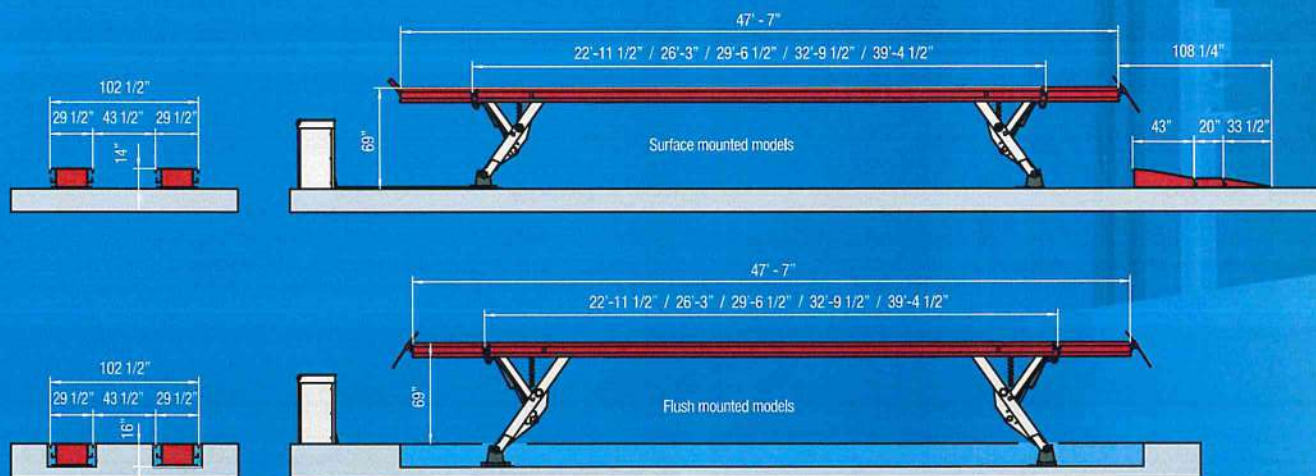
Maximum safety

- ANSI/ALI-ALCTV certified (United States of America)
- CSA certified (Canada)
- CE certified (Europe)
- Low-voltage control box
- Automatic protection against overloading
- Independent mechanical locking, beginning at 3 5/8 inches above floor level
- Microprocessor-controlled synchronization system

Technical information

Model	SKY624	SKY780
Lifting capacity	62,400 lbs.	78,000 lbs.
Lifting system	hydraulic	
Lifting height	69"	
Lifting time	90 sec	
Available platform lengths	23'-26'-30'-33'	26'-30'-33'-40'-48'
Motor capacity	18 HP	

Please refer to the Installation and or Operations Manuals for detailed information and specifications.
 This product and all other STERTIL® products are protected by patents from various regions and countries.
 For more information please refer to: www.stertil.com/en/patents/. All rights reserved.



* Flexible dimensions depend on the requirements of the customer

More information

For more information about the Stertil-Koni SKYLIFT or one of our other heavy duty vehicle lifts, please get in contact with us.



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a member of the Stertil Group

CATALOG MODEL: 4B1352
 MODEL NO.: J-904-300-W24HB
 CAPACITY: 5 TON (10,000#)
 WEIGHT: 8675
 A 20'-0"
 B 20'-0"
 C 22'-0 1/4"
 D W24X94 - D 24 1/4", FW 9 1/8"
 E 4'-0"
 W 10'-0"

SALES NO.:
 CUST. ORDER NO.:
 CUSTOMER:

RECOMMENDED INSTALLATION PROCEDURE
 SEE BULLETIN I.I. J-904B INSTALLATION INSTRUCTIONS
 FOR BASE MOUNTED PILLAR JIB CRANE MODEL J-904B.

RECOMMENDED FOUNDATION CONCRETE
 JIB CRANE FOUNDATION REQUIREMENTS ARE BASED ON
 A SOIL PRESSURE OF 2500 LBS. PER SQUARE FOOT.
 3000 LBS. P.S.I. (PER SQ. INCH) COMPRESSIVE CONCRETE
 (5 BAG MIX-ONE YARD OF CONCRETE).

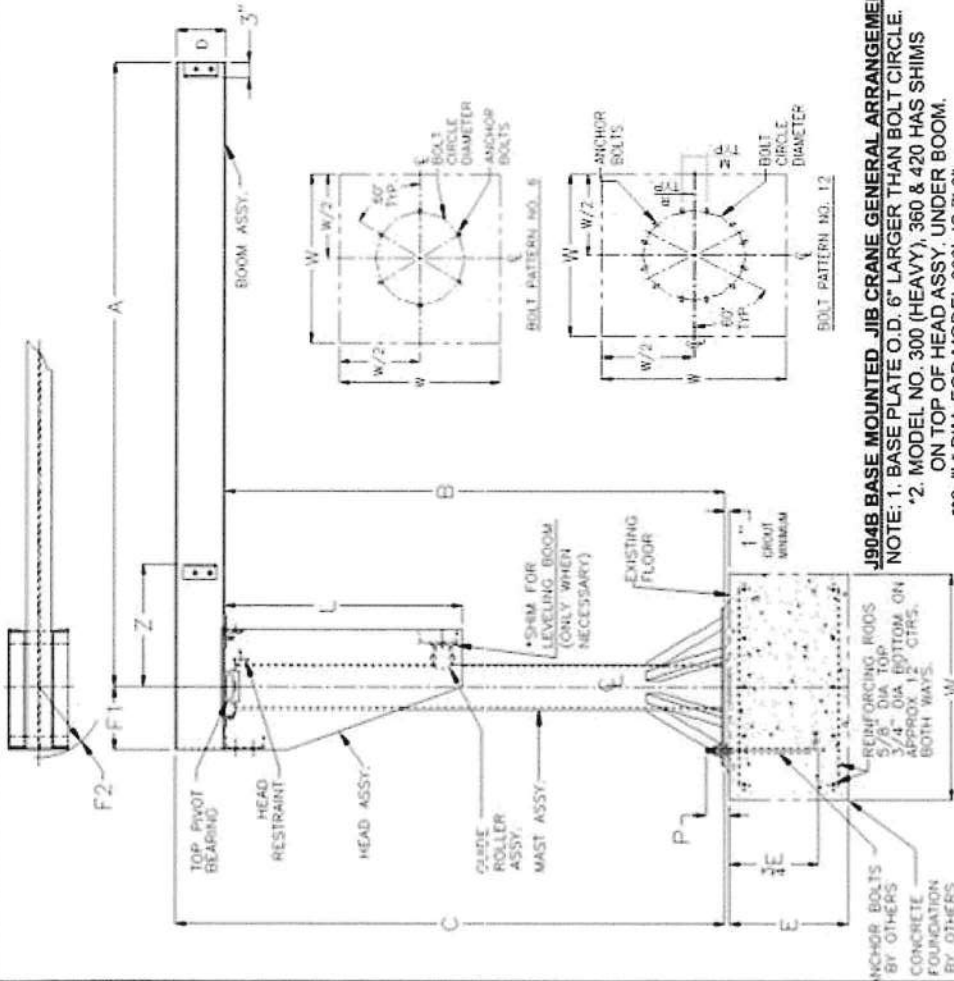
ABELL-HOWE CRANES, ASSUMES NO RESPONSIBILITY FOR
 LOADING IMPOSED ON BUILDING STRUCTURE OR FOOTINGS
 BY THIS EQUIPMENT. WE SUGGEST THIS BE CHECKED BY A
 LICENSED STRUCTURAL ENGINEER AND ANY NECESSARY

INSTALLATION DRAWING 360³ BASE MOUNTED
 PILLAR JIB CRANE MODEL J-904B

ABELL-HOWE CRANES
 BRAND OF CES MATERIAL HANDLING
 801 W CENTER ST, EUREKA, IL 61530

SCALE: NONE CHECKED BY:
 DRAWN BY: RKN APPROVED BY:
 DATE: 9/19/2006

DWG NO.: A3-J904B SHEET NO. 1 OF 1



J904B BASE MOUNTED JIB CRANE GENERAL ARRANGEMENT
 NOTE: 1. BASE PLATE O.D. 6" LARGER THAN BOLT CIRCLE.
 *2. MODEL NO. 300 (HEAVY), 360 & 420 HAS SHIMS
 ON TOP OF HEAD ASSY. UNDER BOOM.
 **3. "L" DIM. FOR MODEL 300L IS 7'-0".

MODEL NO.	DIMENSIONS					ANCHOR BOLTS				
	F1	F2	Z	L	P	PATT NO.	B.C. DIA.	BOLT DIA.	M	R
J-904B-										
080	1'-0 1/8"	1'-1 1/2"	1'-1 5/8"	4'-0"	4 3/4"	6	24"	1"	N/A	N/A
120	1'-3"	1'-5 1/4"	1'-5 1/8"	4'-6"	5 1/2"	6	30"	1 1/4"	N/A	N/A
140	1'-5"	1'-7 1/2"	1'-7"	4'-6"	5 1/2"	6	36"	1 1/4"	N/A	N/A
160	1'-4 3/8"	1'-7 3/4"	1'-7 3/4"	5'-0"	5 1/2"	12	42"	1 1/4"	5 3/8"	2 11/16"
180	1'-6 3/8"	1'-9 1/2"	1'-9 3/4"	5'-0"	5 1/2"	12	48"	1 1/4"	5 3/8"	2 11/16"
200	1'-8 3/8"	1'-11 3/4"	1'-10 3/4"	5'-0"	5 1/2"	12	54"	1 1/4"	5 3/8"	2 11/16"
240	1'-11 1/8"	2'-3 1/4"	2'-1 1/8"	6'-5"	5 1/2"	12	60"	1 1/4"	5 3/8"	2 11/16"
X 300H **	2'-2"	2'-7 1/2"	2'-7"	8'-0"	5 1/2"	12	66"	1 1/4"	5 3/8"	2 11/16"
360	2'-5"	2'-11 3/4"	2'-10 3/4"	8'-0"	8"	6	72"	2 1/2"	N/A	N/A
420	3'-0"	3'-6 7/8"	3'-3"	10'-10"	9"	6	78"	3"	N/A	N/A



JIB CRANES

REACHING NEW HEIGHTS

WHY CHOOSE ABELL-HOWE?

PROVEN DESIGN

– Over 100 years of experience (founded in 1917).

COMPETITIVE PRICING

– Our large production quantities give you the best pricing.

IN-HOUSE ENGINEERING

– Engineered for durability and industrial applications.

FAST & ON-TIME DELIVERY

– We stock components ready for assembly.



Abell-Howe is a CMAA member – These industry leaders are committed to providing safe and efficient overhead cranes that meet the performance requirements of manufacturing applications.

OVER THE PAST 100 YEARS, we have built tens of thousands of crane systems, thousands of runway systems, and millions of dollars of crane/hoist parts and components. We have the experience and engineering know-how to keep our customers running.

We design, build and service all types of overhead cranes including a full complement of standard and custom crane types including:

- Single girder cranes
- Double girder cranes
- Box girder cranes
- Patented track cranes
- Abell-Howe jib cranes
- Gantry cranes – single or double leg
- Complete bridge & runway systems
- Top running free-standing runway kits – FREEDOM FRAME
- Licensed structural engineering support available

Contact an Abell-Howe distributor for assistance.



CRANE SELECTOR CHART



	ABELL-HOWE MODEL	CAPACITIES	SPANS	HEIGHT UNDER BOOM (HUB)	MOTORIZED ROTATION	ROTATION CAPACITY	FOUNDATION REQUIREMENTS	DUTY CLASS	SEE PAGE #
 Base-Mounted Heavy-Duty Pillar Jib	J904B	1/4 - 5 tons	8 - 30 ft	8 - 30 ft	✓	360°	3-4 ft depth	heavy	4-5
 Foundation-Mounted Pillar Jib	J904F or J904FS	1/4 - 5 tons	8 - 30 ft	8 - 30 ft	✓	360°	3-4 ft depth	heavy	6-7
 Foundationless Base-Mounted Light-Duty Pillar Jib	J904L	1/4 - 1/2 ton	6 - 16 ft	8 - 14 ft		360°	6" reinforced concrete	light	8-9
 Foundationless Base-Mounted Heavy-Duty Pillar Jib	J904R	1/4 - 1 ton	8 - 20 ft	8 - 20 ft	✓	360°	6" reinforced concrete	heavy	10-11
 Base-Mounted Light-Duty Pillar Jib	J904S	1/4 - 1 ton	6 - 14 ft	8 - 12 ft		360°	2-4 ft depth	light	12-13
 Mast Type Jib	J902 or J902FC	1/4 - 5 ton	8 - 20 ft	10 - 20 ft	✓	360°	6" reinforced concrete	heavy	14-15
 Wall-Mounted Tie Rod Jib	J900	1/4 - 5 tons	8 - 30 ft	not applicable	✓	up to 200°	none	medium	16-17
 Wall-Mounted Full Cantilever	J906FCT	1/4 - 5 tons	8 - 30 ft	not applicable	✓	up to 212°	none	medium	18-19
 Wall-Bracketed Enclosed Track Jib	J950	100 - 1,000 lbs	4 - 16 ft	not applicable		up to 200°	none	light	20-21
Large Capacity Custom Jibs	JENG	up to 25 tons	up to 45 ft	up to 70 ft	✓	360°	Custom	heavy	24-25
Wall Traveling Jib	WTJ	1 - 15 tons	up to 25 ft	not applicable		not applicable	none	CMAA Class C+D	25
 Freedom Frame Runway	FTR	2 - 10 tons	20 - 40 ft	up to 25 ft overall height as standard		not applicable	6" reinforced floor, up to 5 ton capacity	CMAA Class C+D	26-27

J904B SERIES



Base-Mounted Heavy-Duty Pillar Jib Crane

CAPACITY UP TO 5 TONS

The Abell-Howe J904B Series was developed to be an all purpose jib for heavy-duty industrial applications.

BENEFITS & FEATURES

CAPACITIES & DIMENSIONS

- 1/4 ton – 5 tons.
- Boom lengths from 8–30 ft. on select capacities.
- Height under boom (HUB) from 8–30 ft.

SPECIFICATIONS

- 360-degree rotation on a tapered roller bearing providing full capacity vertical and radial thrust loading.
- Lower section of the head revolves around the pillar on a pair of steel rollers equipped with self-aligning roller bearings.
- Large diameter base plate is reinforced with heavy steel gussets for continuous alignment and rigidity.
- Head restraint – anti lift-off device.
- Bottom roller assembly can be shimmed for boom leveling.
- End-stops at both ends of the boom for safe trolley travel.
- Foundation requires 3-4 ft depth.

COMPONENT MATERIALS

- Mast – Fabricated from heavy wall structural steel pipe with wall thickness sized to minimize deflection.
- Boom – Wide flange beam section which provides high load-bearing capacity and improved structural integrity to effectively resist bending stresses.
- Head Section – Rigid steel plate box type with welded construction for minimum deflection between boom and mast.

OPTIONAL ACCESSORIES

- Top or bottom entry collector or air swivel (for 360-degree continuous rotation).
- Rotation stops, wind or position lock for boom.
- Anchor bolts with template – paper or steel.
- Galvanized, sand blasted or epoxy paint finishes.
- Spark-resistant or explosion-proof for hazardous locations.
- Electric, air or hand-gear powered rotation.
- Fusible disconnect switch for indoor or outdoor.
- Tagline wire or C-track festoon assemblies for power to trolley/hoist.

ANCHOR BOLT LAYOUT

Mast Diameter	8"	12"	14"	16"	18"	20"	24"	30"
Bolt Circle	24"	30"	36"	42"	48"	54"	60"	66"
Anchor Bolts #	6	6	6	12	12	12	12	12
Bolt Diameter	1"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"

MOTORIZED ROTATION AVAILABLE

The J904B series can be motorized!
Find more on pages 22-23.

Chart represents a sample of J904B sizes and capacities.

Capacity (Tons)	HUB	SPAN						
		8'	10'	12'	14'	16'	18'	20'
1/4	8'	4B0001-8-6	4B0003-8-6	4B0005-8-6	4B0007-12-8	4B0009-12-8	4B0011-12-10	4B0013-12-10
	10'	4B0027-8-6	4B0029-8-6	4B0031-8-6	4B0033-12-8	4B0035-12-8	4B0037-12-10	4B0039-12-10
	12'	4B0053-8-6	4B0055-8-6	4B0057-12-6	4B0059-12-8	4B0061-12-8	4B0063-12-10	4B0065-12-10
	14'	4B0079-8-6	4B0081-8-6	4B0083-12-6	4B0085-12-8	4B0087-12-8	4B0089-12-10	4B0091-14-10
	16'	4B0105-8-6	4B0107-8-6	4B0109-12-6	4B0111-12-8	4B0113-12-8	4B0115-12-10	4B0117-14-10
	18'	4B0131-8-6	4B0133-8-6	4B0135-12-6	4B0137-12-8	4B0139-14-8	4B0141-14-10	4B0143-14-10
	20'	4B0157-8-6	4B0159-8-6	4B0161-12-6	4B0163-14-8	4B0165-14-8	4B0167-14-10	4B0169-16-10
1/2	8'	4B0170-8-6	4B0172-8-6	4B0174-12-8	4B0176-12-8	4B0178-12-10	4B0180-12-10	4B0182-12-12
	10'	4B0196-8-6	4B0198-8-6	4B0200-12-8	4B0202-12-8	4B0204-12-10	4B0206-12-10	4B0208-14-12
	12'	4B0222-8-6	4B0224-12-6	4B0226-12-8	4B0228-12-12	4B0230-12-12	4B0232-14-16	4B0234-14-16
	14'	4B0248-8-6	4B0250-12-6	4B0252-12-10	4B0254-12-12	4B0256-12-12	4B0258-14-16	4B0260-14-16
	16'	4B0274-8-6	4B0276-12-6	4B0278-12-10	4B0280-12-12	4B0282-14-12	4B0284-14-16	4B0286-14-16
	18'	4B0300-8-6	4B0302-12-6	4B0304-12-10	4B0306-14-12	4B0308-14-12	4B0310-16-16	4B0312-16-16
	20'	4B0326-8-6	4B0328-12-6	4B0330-14-10	4B0332-14-12	4B0334-14-12	4B0336-16-16	4B0338-16-16
1	8'	4B0339-12-8	4B0341-12-8	4B0343-12-10	4B0345-14-12	4B0347-14-12	4B0349-14-16	4B0351-14-16
	10'	4B0365-12-8	4B0367-12-8	4B0369-12-10	4B0371-14-12	4B0373-14-12	4B0375-14-16	4B0377-14-16
	12'	4B0391-12-8	4B0393-12-8	4B0395-14-10	4B0397-14-12	4B0399-16-12	4B0401-16-16	4B0403-16-16
	14'	4B0417-12-8	4B0419-12-8	4B0421-14-10	4B0423-14-12	4B0425-16-12	4B0427-18-16	4B0429-18-16
	16'	4B0443-12-8	4B0445-12-8	4B0447-14-10	4B0449-16-12	4B0451-18-12	4B0453-18-160	4B0455-18-16
	18'	4B0469-12-8	4B0471-14-8	4B0473-16-10	4B0475-16-12	4B0477-18-12	4B0479-18-16	4B0481-18-16
	20'	4B0495-12-8	4B0497-14-8	4B0499-16-10	4B0501-18-12	4B0503-18-12	4B0505-20-16	4B0507-20-16
2	8'	4B0677-14-10	4B0679-14-12	4B0681-16-12	4B0683-16-16	4B0685-16-18	4B0687-18-18	4B0689-18-18
	10'	4B0703-14-10	4B0705-14-12	4B0707-16-12	4B0709-16-16	4B0711-16-18	4B0713-18-18	4B0715-18-18
	12'	4B0729-14-10	4B0731-14-12	4B0733-16-12	4B0735-16-16	4B0737-16-18	4B0739-18-18	4B0741-18-18
	14'	4B0755-14-10	4B0757-14-12	4B0759-16-12	4B0761-16-16	4B0763-18-18	4B0765-18-18	4B0767-20-18
	16'	4B0781-14-10	4B0783-14-12	4B0785-16-12	4B0787-18-16	4B0789-18-18	4B0791-18-18	4B0793-24-18
	18'	4B0807-14-10	4B0809-16-122	4B0811-18-12	4B0813-18-16	4B0815-20-18	4B0817-20-18	4B0819-24-18
	20'	4B0833-14-10	4B0835-16-12	4B0837-18-12	4B0839-18-16	4B0841-20-18	4B0843-20-18	4B0845-24-18
3	8'	4B0846-16-12	4B0848-16-16	4B0850-18-16	4B0852-18-18	4B0854-20-18	4B0856-20-21	4B0858-24-24
	10'	4B0872-16-12	4B0874-16-16	4B0876-18-16	4B0878-18-18	4B0880-20-18	4B0882-20-21	4B0884-24-24
	12'	4B0898-16-12	4B0900-16-16	4B0902-18-16	4B0904-18-18	4B0906-20-18	4B0908-20-21	4B0910-24-24
	14'	4B0924-16-12	4B0926-16-16	4B0928-18-16	4B0930-18-18	4B0932-20-18	4B0934-20-21	4B0936-24-24
	16'	4B0950-16-12	4B0952-16-16	4B0954-18-16	4B0956-18-18	4B0958-20-18	4B0960-24-21	4B0962-24-24
	18'	4B0976-16-12	4B0978-16-16	4B0980-18-16	4B0982-20-18	4B0984-24-18	4B0986-24-21	4B0988-24-24
	20'	4B1002-16-12	4B1004-16-16	4B1006-20-16	4B1008-20-18	4B1010-24-18	4B1012-24-21	4B1014-24-24
5	10'	4B1210-18-16	4B1212-20-18	4B1214-24-18	4B1216-24-21	4B1218-24-24	4B1220-30-24	4B1222-30-24
	12'	4B1236-18-16	4B1238-20-18	4B1240-24-18	4B1242-24-21	4B1244-24-24	4B1246-30-24	4B1248-30-24
	14'	4B1262-18-16	4B1264-20-18	4B1266-24-18	4B1268-24-21	4B1270-24-24	4B1272-30-24	4B1274-30-24
	16'	4B1288-18-16	4B1290-20-18	4B1292-24-18	4B1294-24-21	4B1296-24-24	4B1298-30-24	4B1300-30-24
	18'	4B1314-18-16	4B1316-20-18	4B1318-24-18	4B1320-24-21	4B1322-24-24	4B1324-30-24	4B1326-30-24
	20'	4B1340-18-16	4B1342-20-18	4B1344-24-18	4B1346-24-21	4B1348-24-24	4B1350-30-24	4B1352-30-24

J904F SERIES



Foundation-Mounted Pillar Jib Crane

CAPACITY UP TO 5 TONS

The Abell-Howe J904F Series was developed to be a foundation-mounted jib for heavy-duty industrial applications.

BENEFITS & FEATURES

CAPACITIES & DIMENSIONS

- 1/4 ton – 5 tons.
- Boom lengths from 8–30 ft. on select capacities.
- Height under boom (HUB) from 8–30 ft.

SPECIFICATIONS

- 360-degree rotation on a tapered roller bearing providing full capacity vertical and radial thrust loading.
- Lower section of the head revolves around the pillar on a pair of steel rollers equipped with self-aligning roller bearings.
- Mast is mounted in concrete foundation. Removable sleeve is also available (FS Model).
- Anti lift-off device.
- Bottom roller assembly can be shimmed for boom leveling.
- End-stops at both ends of the boom for safe trolley travel.
- Foundation requires 3-4 ft depth.

COMPONENT MATERIALS

- Mast – Fabricated from heavy wall structural steel pipe with wall thickness sized to minimize deflection.
- Boom – Wide flange beam section which provides high load-bearing capacity and improved structural integrity to effectively resist bending stresses.
- Head Section – Rigid steel plate box type with welded construction for minimum deflection between boom and mast.

OPTIONAL ACCESSORIES

- Foundation sleeve – allows future relocation of jib (FS Model).
- Top or bottom entry collector or air swivel (for 360-degree continuous rotation).
- Rotation stops, wind or position lock for boom.
- Anchor bolts with template – paper or steel.
- Galvanized, sand-blasted or epoxy paint finishes.
- Spark-resistant or explosion-proof for hazardous locations.
- Electric, air or hand-gear powered rotation.
- Fusible disconnect switch for indoor or outdoor.
- Tagline wire or C-track festoon assemblies for power to trolley/hoist.

MOTORIZED ROTATION AVAILABLE

The J904F series can be motorized!
Find more on pages 22-23.

Chart represents a sample of J904F sizes and capacities.

Capacity (Tons)	HUB	SPAN						
		8'	10'	12'	14'	16'	18'	20'
1/4	8'	4F0001-8-6	4F0003-8-6	4F0005-8-6	4F0007-12-8	4F0009-12-8	4F0011-12-10	4F0013-12-10
	10'	4F0027-8-6	4F0029-8-6	4F0031-8-6	4F0033-12-8	4F0035-12-8	4F0037-12-10	4F0039-12-10
	12'	4F0053-8-6	4F0055-8-6	4F0057-12-6	4F0059-12-8	4F0061-12-8	4F0063-12-10	4F0065-14-10
	14'	4F0079-8-6	4F0081-8-6	4F0083-12-6	4F0085-12-8	4F0087-12-8	4F0089-12-10	4F0091-14-10
	16'	4F0105-8-6	4F0107-8-6	4F0109-12-6	4F0111-12-8	4F0113-14-8	4F0115-14-10	4F0117-14-10
	18'	4F0131-8-6	4F0133-8-6	4F0135-12-6	4F0137-14-8	4F0139-14-8	4F0141-14-10	4F0143-16-10
	20'	4F0157-8-6	4F0159-12-6	4F0161-12-6	4F0163-14-8	4F0165-14-8	4F0167-14-10	4F0169-16-10
1/2	8'	4F0170-8-6	4F0172-8-8	4F0174-12-10	4F0176-12-8	4F0178-12-10	4F0180-14-16	4F0182-14-16
	10'	4F0196-8-6	4F0198-8-8	4F0200-12-10	4F0202-12-12	4F0204-12-12	4F0206-14-16	4F0208-14-16
	12'	4F0222-8-6	4F0224-12-8	4F0226-12-10	4F0228-12-12	4F0230-12-12	4F0232-14-16	4F0234-14-16
	14'	4F0248-8-6	4F0250-12-8	4F0252-12-10	4F0254-12-12	4F0256-14-12	4F0258-14-16	4F0260-16-16
	16'	4F0274-8-6	4F0276-12-8	4F0278-12-10	4F0280-14-12	4F0282-14-12	4F0284-16-16	4F0286-16-16
	18'	4F0300-8-6	4F0302-12-8	4F0304-14-10	4F0306-14-12	4F0308-14-12	4F0310-16-16	4F0312-16-16
	20'	4F0326-12-6	4F0328-12-8	4F0330-14-10	4F0332-14-12	4F0334-16-12	4F0336-16-16	4F0338-16-16
1	8'	4F0339-12-10	4F0341-12-12	4F0343-12-16	4F0345-12-16	4F0347-14-18	4F0349-14-18	4F0351-14-18
	10'	4F0365-12-10	4F0367-12-12	4F0369-12-16	4F0371-14-16	4F0373-14-18	4F0375-14-18	4F0377-16-18
	12'	4F0391-12-10	4F0393-12-12	4F0395-14-16	4F0397-14-16	4F0399-14-18	4F0401-16-18	4F0403-16-18
	14'	4F0417-12-10	4F0419-12-12	4F0421-14-16	4F0423-14-16	4F0425-16-18	4F0427-16-18	4F0429-16-18
	16'	4F0443-12-10	4F0445-12-12	4F0447-14-16	4F0449-16-16	4F0451-16-18	4F0453-16-18	4F0455-18-18
	18'	4F0469-12-10	4F0471-14-12	4F0473-14-16	4F0475-16-16	4F0477-16-18	4F0479-18-18	4F0481-18-18
	20'	4F0495-12-10	4F0497-14-12	4F0499-16-16	4F0501-16-16	4F0503-18-18	4F0505-18-18	4F0507-18-18
2	8'	4F0677-14-10	4F0679-14-12	4F0681-16-12	4F0683-16-16	4F0685-16-18	4F0687-18-18	4F0689-18-18
	10'	4F0703-14-10	4F0705-14-12	4F0707-16-12	4F0709-16-16	4F0711-16-18	4F0713-18-18	4F0715-18-18
	12'	4F0729-14-10	4F0731-14-12	4F0733-16-12	4F0735-16-16	4F0737-18-18	4F0739-18-18	4F0741-20-18
	14'	4F0755-14-10	4F0757-14-12	4F0759-16-12	4F0761-18-16	4F0763-20-18	4F0765-20-18	4F0767-24-18
	16'	4F0781-14-10	4F0783-16-12	4F0785-18-12	4F0787-18-16	4F0789-20-18	4F0791-20-18	4F0793-24-18
	18'	4F0807-14-10	4F0809-16-12	4F0811-18-12	4F0813-20-16	4F0815-24-18	4F0817-24-18	4F0819-24-18
	20'	4F0833-14-10	4F0835-16-12	4F0837-18-12	4F0839-20-16	4F0841-24-18	4F0843-24-18	4F0845-24-18
3	8'	4F0846-16-12	4F0848-16-16	4F0850-18-16	4F0852-18-18	4F0854-20-18	4F0856-20-21	4F0858-24-24
	10'	4F0872-16-12	4F0874-16-16	4F0876-18-16	4F0878-18-18	4F0880-20-18	4F0882-20-21	4F0884-24-24
	12'	4F0898-16-12	4F0900-16-16	4F0902-18-16	4F0904-18-18	4F0906-20-18	4F0908-20-21	4F0910-24-24
	14'	4F0924-16-12	4F0926-16-16	4F0928-18-16	4F0930-20-18	4F0932-24-18	4F0934-24-21	4F0936-24-24
	16'	4F0950-16-12	4F0952-16-16	4F0954-20-16	4F0956-20-18	4F0958-24-18	4F0960-24-21	4F0962-24-24
	18'	4F0976-16-12	4F0978-16-16	4F0980-20-16	4F0982-24-18	4F0984-24-18	4F0986-24-21	4F0988-24-24
	20'	4F1002-16-12	4F1004-18-16	4F1006-20-16	4F1008-24-18	4F1010-24-18	4F1012-30-21	4F1014-30-24
5	10'	4F1210-18-16	4F1212-20-18	4F1214-24-18	4F1216-24-21	4F1218-24-24	4F1220-30-24	4F1222-30-24
	12'	4F1236-18-16	4F1238-20-18	4F1240-24-18	4F1242-24-21	4F1244-24-24	4F1246-30-24	4F1248-30-24
	14'	4F1262-18-16	4F1264-20-18	4F1266-24-18	4F1268-24-21	4F1270-24-24	4F1272-30-24	4F1274-30-24
	16'	4F1288-18-16	4F1290-20-18	4F1292-24-18	4F1294-24-21	4F1296-30-24	4F1298-30-24	4F1300-30-24
	18'	4F1314-18-16	4F1316-20-18	4F1318-24-18	4F1320-24-24	4F1322-30-24	4F1324-30-24	4F1326-30-24
	20'	4F1340-18-16	4F1342-20-18	4F1344-24-18	4F1346-24-24	4F1348-30-24	4F1350-30-24	4F1352-30-24

J904L SERIES



Foundationless Base-Mounted Light-Duty Pillar Jib Crane

CAPACITY UP TO 1000 POUNDS

The Abell-Howe J904L Series was developed to be a foundationless jib for light-duty industrial applications requiring only 6" concrete depth.

BENEFITS & FEATURES

CAPACITIES & DIMENSIONS

- 500 – 1,000 lbs.
- Boom lengths from 6–16 ft. (Span A).
- Height under boom (HUB/Boom Height B) from 8–14 ft.

SPECIFICATIONS

- 360-degree rotation on a tapered roller bearing providing full-capacity vertical and radial thrust loading.
- Lower section of the head assembly revolves around the pillar on a pair of cam rollers.
- Fully enclosed cam rollers to avoid pinch points.
- Base plate is reinforced with heavy steel gussets for continuous alignment and rigidity.
- Top head assembly can be shimmed for boom leveling.
- End-stops at both ends of the boom for safe trolley travel.

CONCRETE FLOOR NOTES

- Minimum soil pressure of 2,500 psf.
- Minimum concrete compressive strength of 3,000 psi.
- Concrete floor must be at least 6" thick and contain wire mesh reinforcement.
- Jib crane must be centered on a square foot area that is free of cracks, seams, control joints, and walls.

COMPONENT MATERIALS

- Mast – Fabricated from heavy wall structural steel pipe with wall thickness sized to minimize deflection.
- Boom – Wide flange beam section which provides high load-bearing capacity and improved structural integrity to effectively resist bending stresses.
- Head Section – Heavy-duty pipe section with greased top bearing.

OPTIONAL ACCESSORIES

- Top entry collector or air swivel (for 360-degree continuous rotation).
- Rotation stops.
- Anchor bolts with template – paper or steel.
- Tagline wire assemblies for hoist power cable.
- Epoxy paint finish.

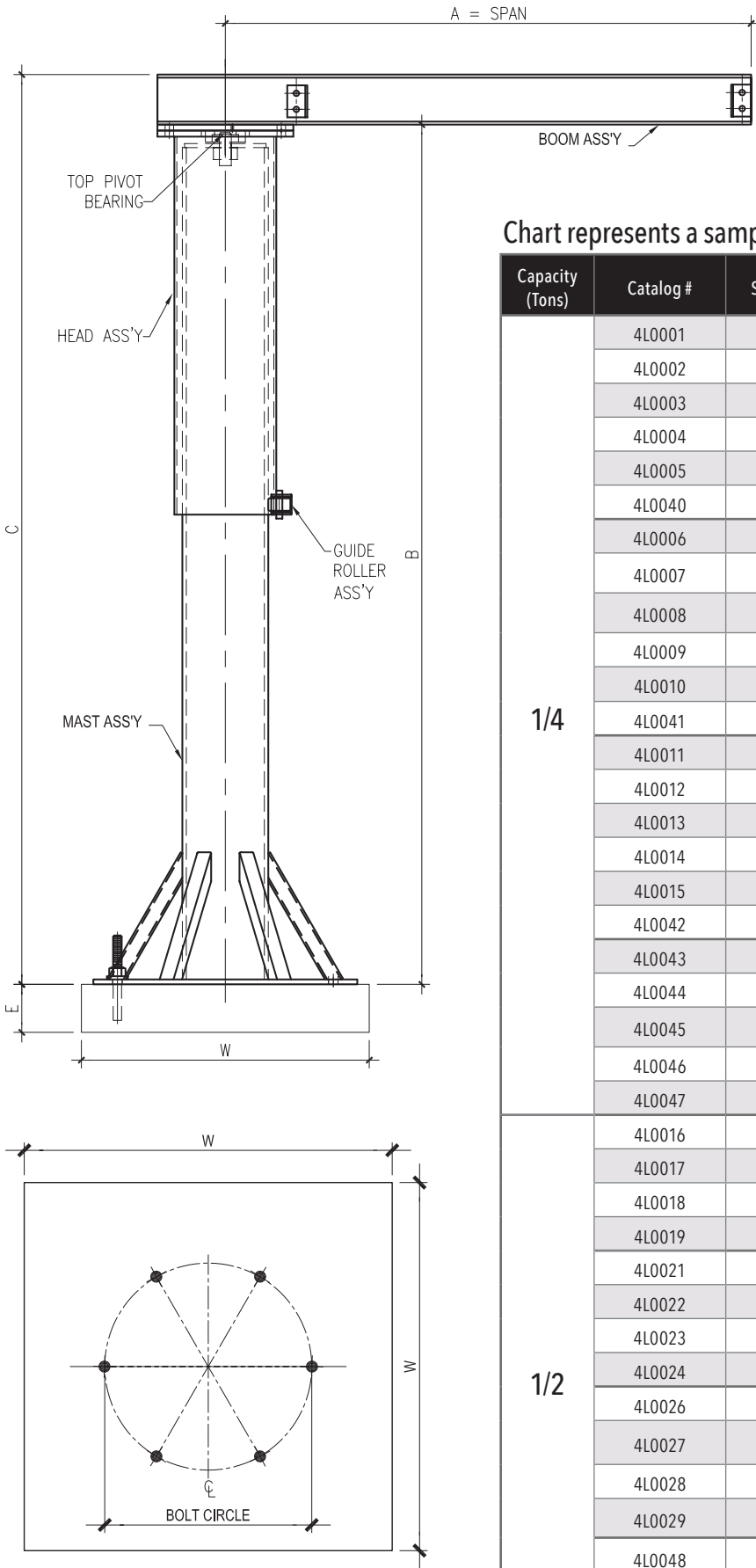


Chart represents a sample of J904L sizes and capacities.

Capacity (Tons)	Catalog #	Span (A)	Boom Height (B)	Overall Height (C)	Footing Depth (E)	Footing Width (W)
1/4	4L0001	6'	8'	8'-6.25"	0'-6"	5'-0"
	4L0002	8'	8'	8'-6.25"	0'-6"	5'-0"
	4L0003	10'	8'	8'-6.25"	0'-6"	5'-6"
	4L0004	12'	8'	8'-6.25"	0'-6"	6'-0"
	4L0005	14'	8'	8'-8.25"	0'-6"	6'-6"
	4L0040	16'	8'	8'-8.25"	0'-6"	7'-0"
	4L0006	6'	10'	10'-6.25"	0'-6"	5'-0"
	4L0007	8'	10'	10'-6.25"	0'-6"	5'-0"
	4L0008	10'	10'	10'-6.25"	0'-6"	5'-6"
	4L0009	12'	10'	10'-6.25"	0'-6"	6'-0"
	4L0010	14'	10'	10'-8.25"	0'-6"	6'-6"
	4L0041	16'	10'	10'-8.25"	0'-6"	7'-0"
	4L0011	6'	12'	12'-6.25"	0'-6"	5'-0"
	4L0012	8'	12'	12'-6.25"	0'-6"	5'-0"
	4L0013	10'	12'	12'-6.25"	0'-6"	5'-6"
	4L0014	12'	12'	12'-6.25"	0'-6"	6'-0"
	4L0015	14'	12'	12'-8.25"	0'-6"	6'-6"
	4L0042	16'	12'	12'-8.25"	0'-6"	7'-0"
	4L0043	6'	14'	14'-6.25"	0'-6"	5'-0"
	4L0044	8'	14'	14'-6.25"	0'-6"	5'-0"
	4L0045	10'	14'	14'-6.25"	0'-6"	5'-6"
4L0046	12'	14'	14'-6.25"	0'-6"	6'-0"	
4L0047	14'	14'	14'-8.25"	0'-6"	6'-6"	
1/2	4L0016	6'	8'	8'-6.25"	0'-6"	6'-6"
	4L0017	8'	8'	8'-6.25"	0'-6"	6'-6"
	4L0018	10'	8'	8'-6.25"	0'-6"	7'-0"
	4L0019	12'	8'	8'-8.25"	0'-6"	7'-6"
	4L0021	6'	10'	10'-6.25"	0'-6"	6'-6"
	4L0022	8'	10'	10'-6.25"	0'-6"	6'-6"
	4L0023	10'	10'	10'-6.25"	0'-6"	7'-0"
	4L0024	12'	10'	10'-8.25"	0'-6"	7'-6"
	4L0026	6'	12'	12'-6.25"	0'-6"	6'-6"
	4L0027	8'	12'	12'-6.25"	0'-6"	6'-6"
	4L0028	10'	12'	12'-6.25"	0'-6"	7'-0"
	4L0029	12'	12'	12'-8.25"	0'-6"	7'-6"
	4L0048	6'	14'	14'-6.25"	0'-6"	6'-6"
4L0049	8'	14'	14'-6.25"	0'-6"	6'-6"	
4L0050	10'	14'	14'-6.25"	0'-6"	7'-0"	

J904R SERIES

Foundationless Base-Mounted Heavy-Duty Pillar Jib Crane

CAPACITY UP TO 1 TON

The Abell-Howe J904R Series was developed to be a foundationless jib for heavy-duty industrial applications requiring only 6" concrete depth.



BENEFITS & FEATURES

CAPACITIES & DIMENSIONS

- 1/4 ton – 1 ton.
- Boom lengths from 8-20 ft. (Span A).
- Height under boom (HUB/Boom Height B) from 8-20 ft.

SPECIFICATIONS

- Requires epoxy anchor bolts.
- 360-degree rotation on a tapered roller bearing providing full-capacity vertical and radial thrust loading.

OPTIONAL ACCESSORIES

- Top or bottom entry collector or air swivel (for 360-degree continuous rotation).
- Rotation stops, wind or position lock for boom.
- Anchor bolts with template – paper or steel.
- Galvanized, sand-blasted or epoxy paint finishes.
- Spark-resistant or explosion-proof for hazardous locations.
- Electric, air or hand-gear powered rotation.
- Fusible disconnect switch for indoor or outdoor.
- Tagline wire or C-track festoon assemblies for power to trolley/hoist.

COMPONENT MATERIALS

- Mast – Fabricated from heavy wall structural steel pipe with wall thickness sized to minimize deflection.
- Boom – Wide flange beam section which provides high load-bearing capacity and improved structural integrity to effectively resist bending stresses.
- Head Section – Rigid steel plate box type with welded construction for minimum deflection between boom and mast.

CONCRETE FLOOR NOTES

- Concrete floor must be at least 6" thick and contain wire mesh reinforcement.
- Minimum soil pressure of 2,500 psf.
- Minimum concrete compressive strength of 3,000 psi.
- Jib crane must be centered on a square foot area that is free of cracks, seams, control joints, and walls.

MOTORIZED ROTATION AVAILABLE

The J904R series can be motorized!
Find more on pages 22-23.

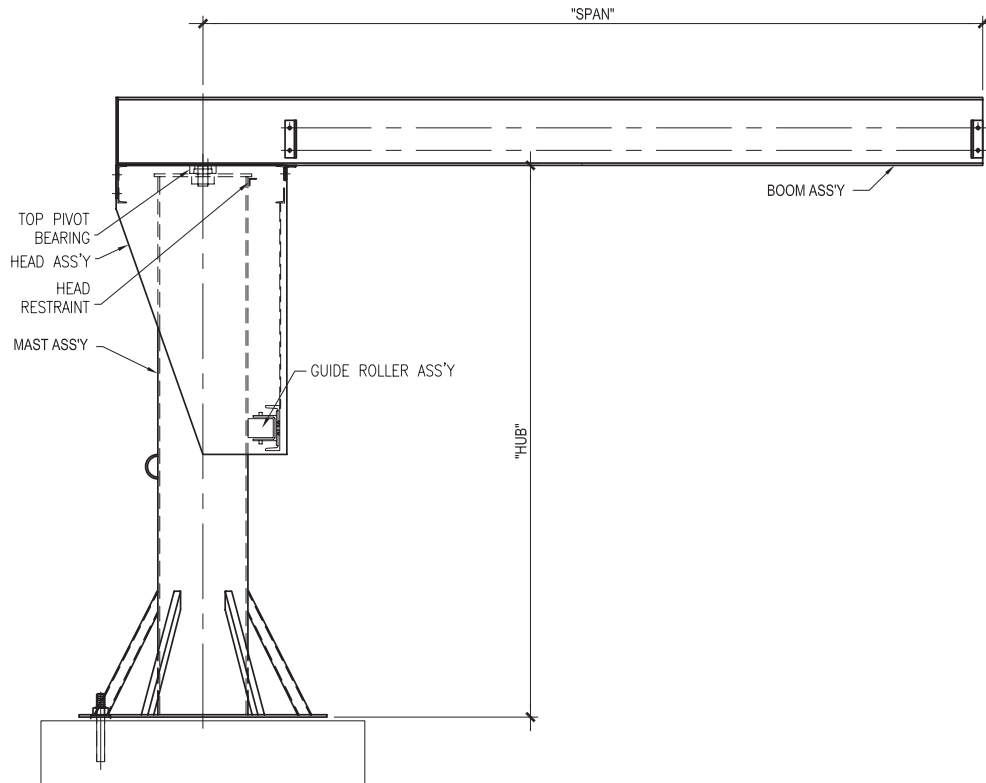


Chart represents a sample of J904R sizes and capacities.

Capacity (Tons)	HUB	SPAN						
		8'	10'	12'	14'	16'	18'	20'
1/4	8'	4R0001-8-6	4R0003-8-6	4R0005-8-6	4R0007-12-8	4R0009-12-8	4R0011-12-10	4R0013-12-10
	10'	4R0027-8-6	4R0029-8-6	4R0031-8-6	4R0033-12-8	4R0035-12-8	4R0037-12-10	4R0039-12-10
	12'	4R0053-8-6	4R0055-8-6	4R0057-12-6	4R0059-12-8	4R0061-12-8	4R0063-12-10	4R0065-12-10
	14'	4R0079-8-6	4R0081-8-6	4R0083-12-6	4R0085-12-8	4R0087-12-8	4R0089-12-10	4R0091-14-10
	16'	4R0105-8-6	4R0107-8-6	4R0109-12-6	4R0111-12-8	4R0113-12-8	4R0115-12-10	4R0117-14-10
	18'	4R0131-8-6	4R0133-8-6	4R0135-12-6	4R0137-12-8	4R0139-14-8	4R0141-14-10	4R0143-14-10
	20'	4R0157-8-6	4R0159-8-6	4R0161-12-6	4R0163-12-8	4R0165-14-8	4R0167-14-10	4R0169-14-10
1/2	8'	4R0170-8-6	4R0172-8-6	4R0174-12-8	4R0176-12-8	4R0178-12-10	4R0180-12-12	4R0182-14-12
	10'	4R0196-8-6	4R0198-8-6	4R0200-12-8	4R0202-12-8	4R0204-12-10	4R0206-12-12	4R0208-14-12
	12'	4R0222-8-6	4R0224-12-6	4R0226-12-8	4R0228-12-10	4R0230-12-12	4R0232-14-12	4R0234-14-12
	14'	4R0248-8-6	4R0250-12-6	4R0252-12-10	4R0254-12-10	4R0256-12-12	4R0258-14-12	4R0260-14-12
	16'	4R0274-8-6	4R0276-12-6	4R0278-12-10	4R0280-12-12	4R0282-14-12	4R0284-14-12	4R0286-16-12
	18'	4R0300-12-6	4R0302-12-6	4R0304-12-10	4R0306-14-10	4R0308-14-12	4R0310-14-12	4R0312-16-12
	20'	4R0326-12-6	4R0328-12-6	4R0330-14-10	4R0332-14-10	4R0334-14-12	4R0336-16-12	4R0338-16-12
1	8'	4R0339-12-8	4R0341-12-8	4R0343-12-10	4R0345-14-12	4R0347-14-12	not available	not available
	10'	4R0365-12-8	4R0367-12-8	4R0369-12-10	4R0371-14-12	4R0373-14-12	not available	not available
	12'	4R0391-12-8	4R0393-12-8	4R0395-14-10	4R0397-14-12	4R0399-16-12	not available	not available
	14'	4R0417-12-8	4R0419-12-8	4R0421-14-10	4R0423-14-12	4R0425-16-12	not available	not available
	16'	4R0443-12-8	4R0445-14-8	4R0447-14-10	4R0449-16-12	4R0451-16-12	not available	not available
	18'	4R0469-12-8	4R0471-14-8	4R0473-14-10	4R0475-16-12	not available	not available	not available
	20'	4R0495-12-8	4R0497-14-8	4R0499-16-10	4R0501-16-12	not available	not available	not available

J904S SERIES

Base-Mounted Light-Duty Pillar Jib Crane

CAPACITY UP TO 1 TON

The Abell-Howe J904S Series is an all-purpose jib ideal for manufacturing and assembly plants, and is perfect for hand chain or light-duty electric hoists.



BENEFITS & FEATURES

CAPACITIES & DIMENSIONS

- 1/4 ton – 1 ton.
- Boom lengths from 6–14 ft. on select capacities (span A).
- Height under boom from 8–12 ft. (HUB/boom height B).

SPECIFICATIONS

- 360-degree rotation on a tapered roller bearing providing full-capacity vertical and radial thrust loading.
- Heavy wall structural steel pipe mast and reinforced large diameter base plate for minimal deflection and continuous alignment.
- Safety end-stops at both ends of boom limit trolley travel.
- High visibility safety yellow enamel finish.
- Cranes bolt to concrete foundation, which requires 2-4 ft. of depth.

COMPONENT MATERIALS

- Mast – Fabricated from heavy wall structural steel pipe with wall thickness sized to minimize deflection.
- Boom – Wide flange beam section which provides high load-bearing capacity and improved structural integrity to effectively resist bending stresses.
- Head Section – Rigid steel plate box type with welded construction for minimum deflection between boom and mast.

OPTIONAL ACCESSORIES

- Top entry collector or air swivel (for 360-degree continuous rotation).
- Rotation stops.
- Anchor bolts with template – paper or steel.
- Tagline wire assemblies for hoist power cable.
- Epoxy paint finish.

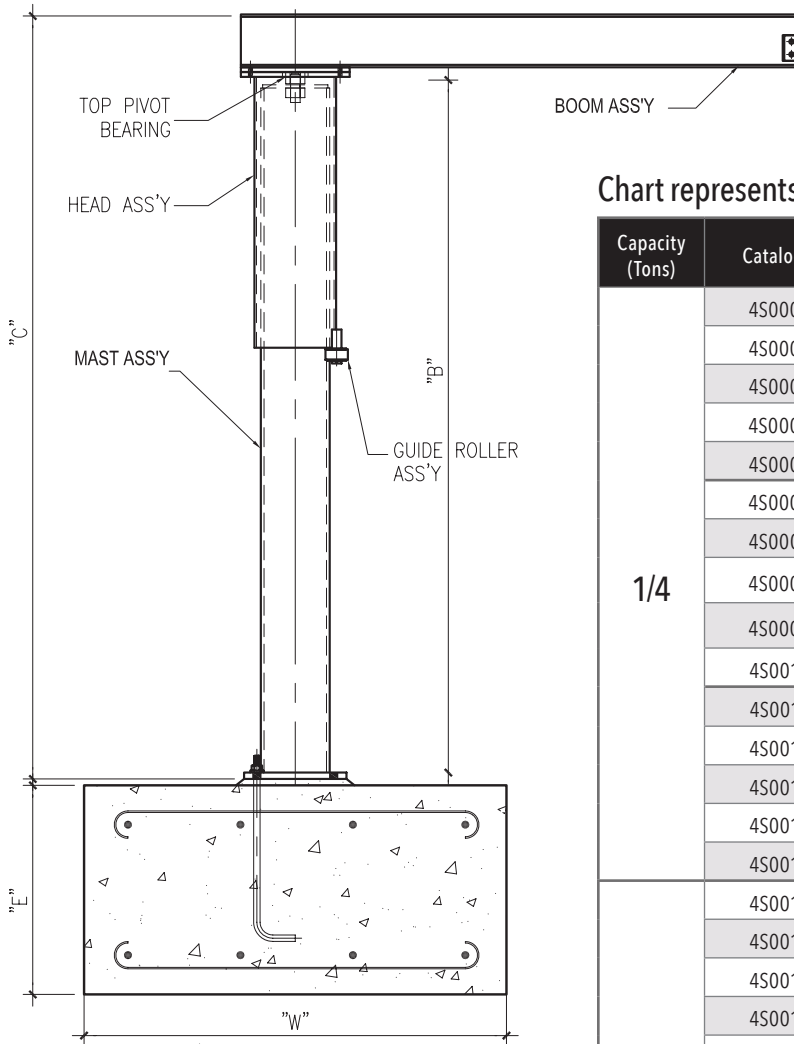
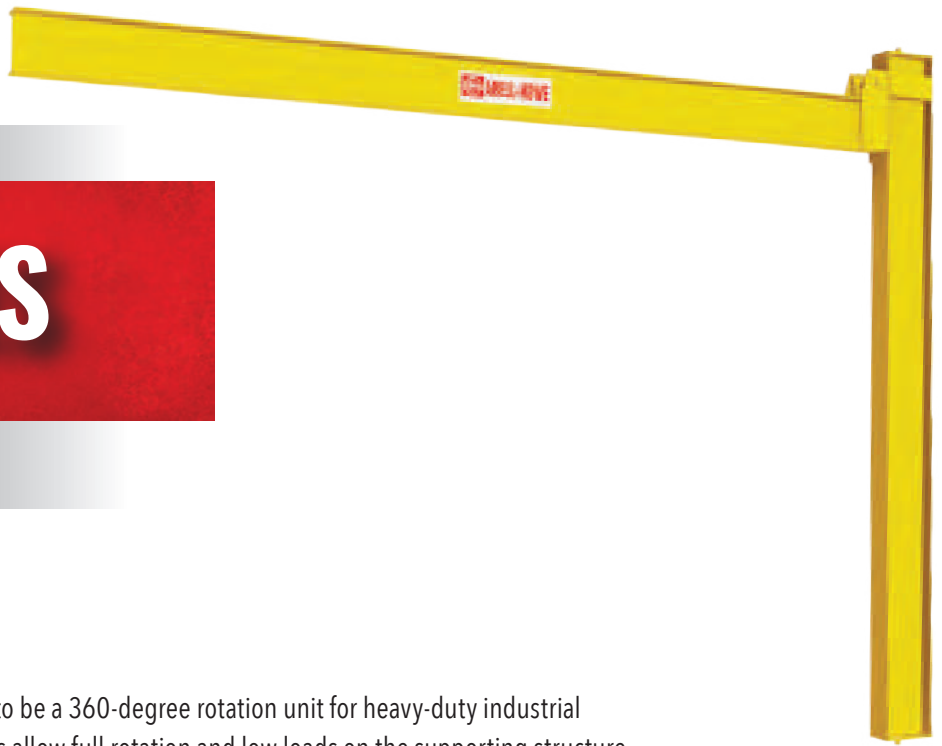


Chart represents a sample of J904S sizes and capacities.

Capacity (Tons)	Catalog #	Span (A)	Boom Height (B)	Overall Height (C)	Footing Depth (E)	Footing Width (W)
1/4	4S0001	6'	8'	8'-6.25"	2'	4'
	4S0002	8'	8'	8'-6.25"	2'	4'
	4S0003	10'	8'	8'-6.25"	2'	4'
	4S0004	12'	8'	8'-6.25"	3'	4'
	4S0005	14'	8'	8'-6.25"	3'	4'
	4S0006	6'	10'	10'-6.25"	2'	4'
	4S0007	8'	10'	10'-6.25"	2'	4'
	4S0008	10'	10'	10'-6.25"	2'	4'
	4S0009	12'	10'	10'-6.25"	3'	4'
	4S0010	14'	10'	10'-6.25"	3'	4'
	4S0011	6'	12'	12'-6.25"	2'	4'
	4S0012	8'	12'	12'-6.25"	2'	4'
	4S0013	10'	12'	12'-6.25"	2'	4'
	4S0014	12'	12'	12'-6.25"	3'	4'
	4S0015	14'	12'	12'-6.25"	3'	4'
1/2	4S0016	6'	8'	8'-6.25"	3'	4'
	4S0017	8'	8'	8'-6.25"	3'	4'
	4S0018	10'	8'	8'-8.25"	3'	4'
	4S0019	12'	8'	8'-8.25"	3'	4'
	4S0020	14'	8'	8'-8.25"	3'	4'
	4S0021	6'	10'	10'-6.25"	3'	4'
	4S0022	8'	10'	10'-6.25"	3'	4'
	4S0023	10'	10'	10'-8.25"	3'	4'
	4S0024	12'	10'	10'-8.25"	3'	4'
	4S0025	14'	10'	10'-8.25"	3'	4'
	4S0026	6'	12'	12'-6.25"	3'	4'
	4S0027	8'	12'	12'-6.25"	3'	4'
	4S0028	10'	12'	12'-8.25"	3'	4'
	4S0029	12'	12'	12'-8.25"	3'	4'
	4S0030	14'	12'	12'-8.25"	3'	4'
1	4S0031	6'	8'	8'-6.25"	3'	4'
	4S0032	8'	8'	8'-6.25"	4'	5'
	4S0033	10'	8'	10'-8.25"	4'	5'
	4S0034	6'	10'	10'-8.25"	3'	4'
	4S0035	8'	10'	10'-8.25"	4'	5'
	4S0036	10'	10'	10'-8.25"	4'	5'
	4S0037	6'	12'	12'-8.25"	4'	5'
	4S0038	8'	12'	12'-8.25"	4'	5'
	4S0039	10'	12'	12'-8.25"	4'	5'

J902 SERIES



Mast-Type Jib Crane

CAPACITY UP TO 5 TONS

The Abell-Howe J902 Series was developed to be a 360-degree rotation unit for heavy-duty industrial applications. Floor and overhead connections allow full rotation and low loads on the supporting structure.

BENEFITS & FEATURES

CAPACITIES

- 1/4 ton – 5 tons.
- Boom lengths from 8–20 ft. on select capacities.
- Height under boom (HUB) from 8–20 ft.

SPECIFICATIONS

- 360-degree rotation at each pivot point.
- Fastened to the floor and ceiling.
- Ideal for low headroom conditions.
- Consists of a wide flange mast section, top pivot with self-aligning ball bushing, and bottom pivot with Oillite® bronze bushings with thrust washer.
- Designed to allow the greatest hook height.
- Top and bottom pivot brackets for mounting to floor and overhead support.

COMPONENT MATERIALS

- Mast – Wide flange beam section sized to minimum deflection.
- Boom – Wide flange beam section which provides high load-bearing capacity and improved structural integrity to effectively resist bending stresses.
- Pivot Brackets – Top bracket designed for long life; self-aligning ball-bushing is coated with moly-coating dry film lubricant.

- Bottom Bracket – includes an Oillite® bronze-bushing with thrust washer.
- Reduced foundation and installation costs – designed to self-support with a smaller foundation footprint.
- Designed with close approach to the mast for better hook approach and higher hook position.

OPTIONAL ACCESSORIES

- Drop boom (useful when obstruction such as overhead lights or pipes may interfere with rotation).
- Rotation stops.
- Galvanized, sand-blasted or epoxy paint finishes.
- Spark-resistant or explosion-proof for hazardous locations.
- Electric, air or hand-gear powered rotation.
- Tagline wire or C-track festoon assemblies for power to trolley/hoist.
- Top-entry collector for 360-degree rotation.

MOTORIZED ROTATION AVAILABLE

The J902 series can be motorized!
Find more on pages 22-23.

Chart represents a sample of J902 sizes and capacities.

Capacity (Tons)	HUB	SPAN						
		8'	10'	12'	14'	16'	18'	20'
1/4	10'	920001	920002	920003	920004	920005	920006	920007
	12'	920008	920009	920010	920011	920012	920013	920014
	14'	920015	920016	920017	920018	920019	920020	920021
	16'	920022	920023	920024	920025	920026	920027	920028
	18'	920029	920030	920031	920032	920033	920034	920035
	20'	920036	920037	920038	920039	920040	920041	920042
1/2	10'	920043	920044	920045	920046	920047	920048	920049
	12'	920050	920051	920052	920053	920054	920055	920056
	14'	920057	920058	920059	920060	920061	920062	920063
	16'	920064	920065	920066	920067	920068	920069	920070
	18'	920071	920072	920073	920074	920075	920076	920077
	20'	920078	920079	920080	920081	920082	920083	920084
1	10'	920085	920086	920087	920088	920089	920090	920091
	12'	920092	920093	920094	920095	920096	920097	920098
	14'	920099	920100	920101	920102	920103	920104	920105
	16'	920106	920107	920108	920109	920110	920111	920112
	18'	920113	920114	920115	920116	920117	920118	920119
	20'	920120	920121	920122	920123	920124	920125	920126
2	10'	920169	920170	920171	920172	920173	920174	920175
	12'	920176	920177	920178	920179	920180	920181	920182
	14'	920183	920184	920185	920186	920187	920188	920189
	16'	920190	920191	920192	920193	920194	920195	920196
	18'	920197	920198	920199	920200	920201	920202	920203
	20'	920204	920205	920206	920207	920208	920209	920210
3	10'	920211	920212	920213	920214	920215	920216	920217
	12'	920218	920219	920220	920221	920222	920223	920224
	14'	920225	920226	920227	920228	920229	920230	920231
	16'	920232	920233	920234	920235	920236	920237	920238
	18'	920239	920240	920241	920242	920243	920244	920245
	20'	920246	920247	920248	920249	920250	920251	920252
5	10'	920295	920296	920297	920298	920299	920300	920301
	12'	920302	920303	920304	920305	920306	920307	920308
	14'	920309	920310	920311	920312	920313	920314	920315
	16'	920316	920317	920318	920319	920320	920321	920322
	18'	920323	920324	920325	920326	920327	920328	920329
	20'	920330	920331	920332	920333	920334	920335	920336

J900 SERIES



Wall-Mounted Tie-Rod Jib Crane

CAPACITY UP TO 5 TONS

The Abell-Howe J900 Series was developed to be an all-purpose tie rod wall-mount jib for medium-duty industrial applications.

BENEFITS & FEATURES

CAPACITIES & DIMENSIONS

- 1/4 ton - 5 tons.
- Boom lengths from 8-30 ft. (span A).

SPECIFICATIONS

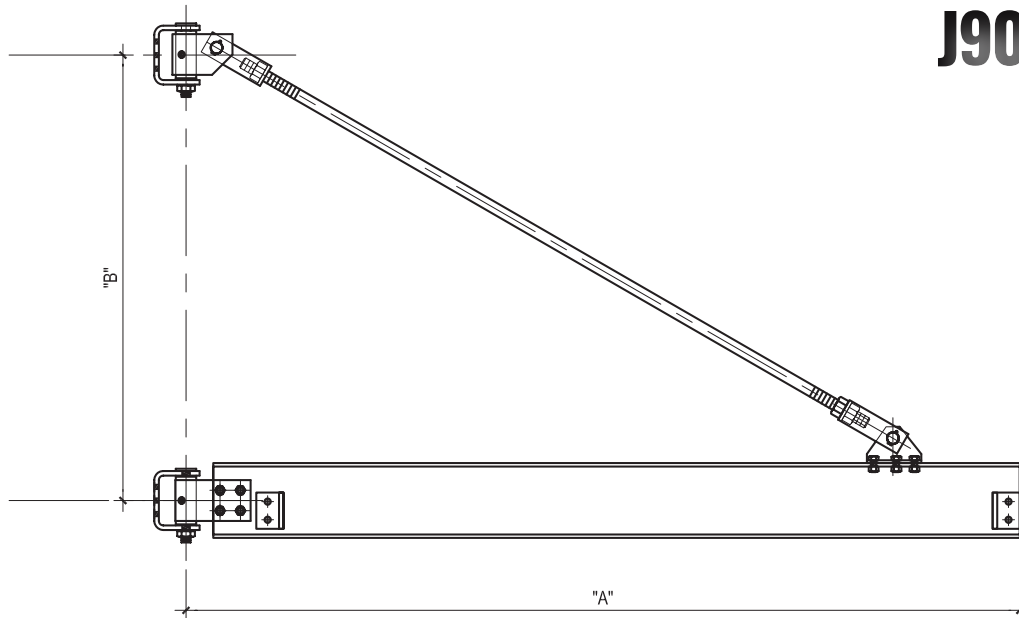
- Up to 200-degree rotation.
- Fabricated steel wall-bracket fittings with bearings.
- Threaded tie-rods provide take-up for boom leveling.
- Boom has wide flange beam section which provides high load-bearing capacity and improved structural integrity to effectively resist bending stresses.
- End-stops at both ends of the boom for safe trolley travel.

OPTIONAL ACCESSORIES

- Rotation stops, wind or position lock for boom.
- Galvanized, sand-blasted or epoxy paint finishes.
- Spark-resistant or explosion-proof for hazardous locations.
- Electric, air or hand-gear powered rotation.
- Tagline wire or C-track festoon assemblies for power to trolley/hoist.

MOTORIZED ROTATION AVAILABLE

The J900 series can be motorized!
Find more on pages 22-23.



Charts represent a sample of J900 sizes and capacities.

Capacity (Tons)	Catalog #	Span (A)	Hinge Spacing (B)	I-Beam Size	Flange Width	Thrust & Pull (lbs)	Weight (lbs)
1/4	900061	8'	2'-9"	W6	4"	2,025	205
	900062	10'	3'-0"	W6	4"	2,425	240
	900063	12'	3'-9"	W6	4"	2,420	275
	900064	14'	4'-6"	W6	4"	2,435	312
	900065	16'	5'-6"	W6	4"	2,350	347
	900066	18'	6'-0"	W8	5.25"	2,500	433
	900067	20'	6'-6"	W8	5.25"	2,635	540
	900069	24'	7'-6"	W8	5.25"	3,085	913
	900072	30'	10'-0"	W12	6.5"	3,795	1,641
1/2	900001	8'	2'-9"	W6	4"	3,930	205
	900002	10'	3'-0"	W6	4"	4,550	240
	900003	12'	3'-9"	W6	4"	4,400	275
	900004	14'	4'-6"	W6	4"	4,325	312
	900005	16'	5'-6"	W6	4"	4,075	347
	900006	18'	6'-0"	W8	5.25"	4,320	433
	900007	20'	6'-6"	W8	5.25"	4,565	540
	900009	24'	7'-6"	W8	5.25"	5,315	913
	900012	30'	10'-0"	W12	6.5"	6,020	1,641
	1	900013	8'	2'-9"	W6	4"	7,710
900014		10'	3'-0"	W6	4"	8,885	240
900015		12'	3'-9"	W6	4"	8,560	275
900016		14'	4'-6"	W8	5.25"	8,425	352
900017		16'	5'-6"	W8	5.25"	7,920	395
900018		18'	6'-0"	W8	5.25"	8,295	495
900019		20'	6'-6"	W10	5.75"	8,650	683
900021		24'	7'-6"	W10	5.75"	9,740	1,089
900024		30'	10'-0"	W12	6.5"	9,920	1,641

Capacity (Tons)	Catalog #	Span (A)	Hinge Spacing (B)	I-Beam Size	Flange Width	Thrust & Pull (lbs)	Weight (lbs)	
2	900025	8'	2'-9"	W8	5.25"	15,345	363	
	900026	10'	3'-0"	W8	5.25"	17,640	420	
	900027	12'	3'-9"	W8	5.25"	16,990	480	
	900028	14'	4'-6"	W8	5.25"	16,580	536	
	900029	16'	5'-6"	W10	5.75"	15,720	706	
	900030	18'	6'-0"	W10	5.75"	16,290	780	
	900031	20'	6'-6"	W12	6.5"	16,980	985	
	900033	24'	7'-6"	W12	6.5"	18,450	1,520	
	900036	30'	10'-0"	W12C	6.5"	17,720	1,880	
	3	900037	8'	2'-9"	W8	5.25"	22,910	390
900038		10'	3'-3"	W8	5.25"	24,285	445	
900039		12'	4'-0"	W10	5.75"	23,855	585	
900040		14'	4'-9"	W10	5.75"	23,515	655	
900041		16'	5'-6"	W10	5.75"	23,280	720	
900042		18'	6'-3"	W12	6.5"	23,290	905	
900043		20'	7'-0"	W12	6.5"	23,630	1,295	
900045		24'	8'-6"	W12C	6.5"	23,620	1,520	
900048		30'	11'-0"	W12C	6.5"	23,200	2,140	
5		900049	8'	3'-0"	W12	6.5"	35,005	705
		900050	10'	3'-3"	W12	6.5"	40,490	785
	900051	12'	4'-0"	W12	6.5"	39,575	865	
	900052	14'	4'-9"	W12	6.5"	38,970	945	
	900053	16'	5'-6"	W16	7"	38,815	1,205	
	900054	18'	6'-3"	W16	7"	38,550	1,310	
	900055	20'	7'-0"	W16	7"	38,805	1,680	
	900057	24'	8'-6"	W16C	7"	38,675	1,940	
	900060	30'	11'-0"	W16C	7"	38,835	2,760	

J906FCT SERIES



Wall-Mounted Full Cantilever Jib Crane

CAPACITY UP TO 5 TONS

The Abell-Howe J906FCT Series was developed to be an all-purpose wall-mount jib for medium-duty industrial applications.

BENEFITS & FEATURES

CAPACITIES & DIMENSIONS

- 1/4 ton – 5 tons.
- Boom lengths from 8–30 ft.

SPECIFICATIONS

- Up to 212-degree rotation for high hook lift applications.
- Conservatively designed mast resists torsional forces from off-center loading.
- Fabricated steel hinge fittings with bearings.
- Boom is preset to compensate for deflection under load.
- Boom has wide flange beam section which provides high load-bearing capacity and improved structural integrity to effectively resist bending stresses.
- End-stops at both ends of the boom for safe trolley travel.

OPTIONAL ACCESSORIES

- Rotation stops, wind or position lock for boom.
- Galvanized, sand-blasted or epoxy paint finishes.
- Spark-resistant or explosion-proof for hazardous locations.
- Electric, air or hand-gear powered rotation.
- Tagline wire or C-track festoon assemblies for power to trolley/hoist.

MOTORIZED ROTATION AVAILABLE

The J906FCT series can be motorized!
Find more on pages 22-23.

Chart represents a sample of J906FCT sizes and capacities.

Capacity (Tons)	Catalog #	Boom Span	Hinge Spacing	I-Beam Size	Flange Width	Thrust & Pull	Weight
1/4	960001	8'	4'-0"	W6	4"	1,295 lbs.	205 lbs.
	960002	10'	4'-0"	W6	4"	1,685 lbs.	240 lbs.
	960003	12'	4'-0"	W6	4"	2,095 lbs.	275 lbs.
	960004	14'	4'-0"	W6	4"	2,515 lbs.	312 lbs.
	960005	16'	4'-0"	W8	5.25"	2,955 lbs.	347 lbs.
	960006	18'	4'-0"	W8	5.25"	3,610 lbs.	433 lbs.
	960007	20'	4'-0"	W10	5.75"	4,410 lbs.	540 lbs.
1/2	960008	8'	4' 0"	W8	5.25"	2,430 lbs.	310 lbs.
	960009	10'	4' 0"	W8	5.25"	3,080 lbs.	340 lbs.
	960010	12'	4' 0"	W8	5.25"	3,730 lbs.	370 lbs.
	960011	14'	4' 0"	W8	5.25"	4,750 lbs.	445 lbs.
	960012	16'	4' 0"	W10	5.75"	5,750 lbs.	740 lbs.
	960013	18'	4' 0"	W10	5.75"	6,610 lbs.	790 lbs.
	960014	20'	6' 0"	W12	6.5"	5,350 lbs.	1,080 lbs.
1	960015	8'	4' 0"	W8	5.25"	4,745 lbs.	335 lbs.
	960016	10'	5' 0"	W10	5.75"	5,000 lbs.	645 lbs.
	960017	12'	5' 0"	W10	5.75"	6,040 lbs.	695 lbs.
	960018	14'	5' 0"	W10	5.75"	7,080 lbs.	745 lbs.
	960019	16'	6' 0"	W12	6.5"	7,330 lbs.	950 lbs.
	960020	18'	6' 0"	W16	7"	8,645 lbs.	1,165 lbs.
	960021	20'	6' 0"	W16	7"	9,515 lbs.	1,250 lbs.
2	960029	8'	4' 0"	W12	6.5"	9,455 lbs.	585 lbs.
	960030	10'	4' 0"	W12	6.5"	12,210 lbs.	650 lbs.
	960031	12'	4' 0"	W12	6.5"	15,000 lbs.	715 lbs.
	960032	14'	5' 0"	W16	7"	14,500 lbs.	1,065 lbs.
	960033	16'	6' 0"	W18	7.5"	14,255 lbs.	1,375 lbs.
	960034	18'	6' 0"	W18	7.5"	16,300 lbs.	1,485 lbs.
	960035	20'	6' 6"	W21	8.25"	17,300 lbs.	1,870 lbs.
3	960036	8'	4' 0"	W16	7"	14,105 lbs.	775 lbs.
	960037	10'	4' 0"	W16	7"	18,210 lbs.	865 lbs.
	960038	12'	6' 0"	W16	7"	14,925 lbs.	1,075 lbs.
	960039	14'	6' 0"	W16	7"	17,720 lbs.	1,165 lbs.
	960040	16'	6' 6"	W18	7.5"	19,210 lbs.	1,680 lbs.
	960041	18'	7' 6"	W21	8.25"	19,205 lbs.	2,060 lbs.
	960042	20'	9' 6"	W24	9"	17,400 lbs.	2,680 lbs.
5	960050	8'	6'- 6"	W18	7.5"	14,400 lbs.	1,240 lbs.
	960051	10'	6'-6"	W18	7.5"	18,550 lbs.	1,350 lbs.
	960052	12'	6'- 6"	W18	7.5"	22,730 lbs.	1,460 lbs.
	960053	14'	7'- 6"	W21	8.25"	23,500 lbs.	1,800 lbs.
	960054	16'	9'- 6"	W24	9"	21,720 lbs.	2,360 lbs.
	960055	18'	9'- 6"	W24	9"	25,600 lbs.	2,600 lbs.
	960056	20'	9'-6"	W24	9"	28,700 lbs.	2,820 lbs.

J950 SERIES



Wall-Bracketed Enclosed Track Jib Crane

CAPACITY UP TO 1/2 TON

The Abell-Howe J950 Series utilizes a lightweight track design to produce a sturdy and economical jib crane ideal for supporting tools and light capacity hoists.

BENEFITS & FEATURES

CAPACITIES & DIMENSIONS

- 100 – 1,000 lbs. capacities.
- Boom lengths from 4–16 ft.

SPECIFICATIONS

- Up to 200-degrees of rotation with easy, smooth movement.
- Wall-mounted design gives increased headroom.
- Lightweight track design.
- Tapered bearings in the top and bottom bracket pivot points are designed for low maintenance and years of service.
- Includes enclosed-track push/pull trolley and end stops.

BENEFITS

- Lightweight design allows easier movements for the operator.
- Compact design with integral trolley allows high hook position.
- Column or building forces reduced due to lighter design.

OPTIONAL ACCESSORIES

- Festoon trolleys for hoist power.
- Special paint finishes.
- Enclosed track trolley for hoist top hook.
- Rotation stops or position lock for boom.
- Tagline wire assemblies for hoist power cable.

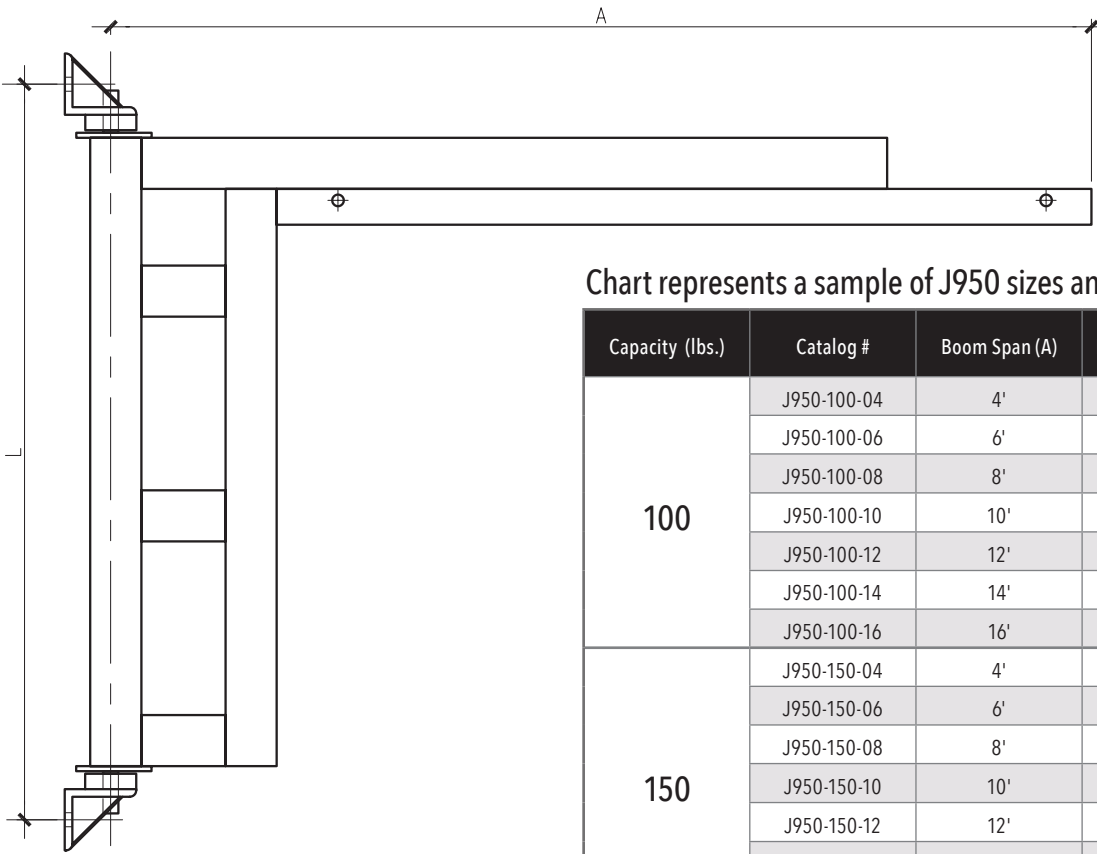


Chart represents a sample of J950 sizes and capacities.

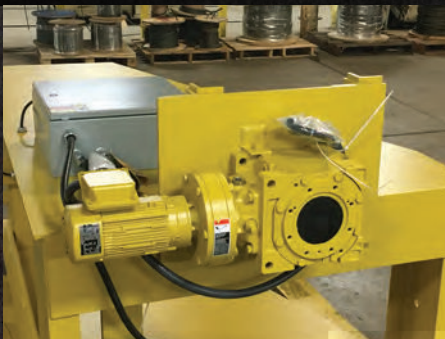
Capacity (lbs.)	Catalog #	Boom Span (A)	Hinge Spacing (L)	Weight
100	J950-100-04	4'	3'	95 lbs.
	J950-100-06	6'	3'	105 lbs.
	J950-100-08	8'	3'	120 lbs.
	J950-100-10	10'	3'	130 lbs.
	J950-100-12	12'	4'	170 lbs.
	J950-100-14	14'	5'	200 lbs.
	J950-100-16	16'	5'	215 lbs.
150	J950-150-04	4'	3'	95 lbs.
	J950-150-06	6'	3'	105 lbs.
	J950-150-08	8'	3'	120 lbs.
	J950-150-10	10'	3'	130 lbs.
	J950-150-12	12'	4'	170 lbs.
	J950-150-14	14'	5'	305 lbs.
	J950-150-16	16'	5'	320 lbs.
250	J950-250-04	4'	3'	95 lbs.
	J950-250-06	6'	3'	110 lbs.
	J950-250-08	8'	3'	120 lbs.
	J950-250-10	10'	4'	150 lbs.
	J950-250-12	12'	5'	225 lbs.
	J950-250-14	14'	5'	305 lbs.
	J950-250-16	16'	5'	320 lbs.
500	J950-500-04	4'	4'	115 lbs.
	J950-500-06	6'	4'	130 lbs.
	J950-500-08	8'	4'	160 lbs.
	J950-500-10	10'	5'	175 lbs.
	J950-500-12	12'	5'	225 lbs.
	J950-500-14	14'	5'	350 lbs.
	J950-500-16	16'	5'	370 lbs.
1000	J950-1000-04	4'	4'	140 lbs.
	J950-1000-06	6'	4'	150 lbs.
	J950-1000-08	8'	4'	185 lbs.
	J950-1000-10	10'	5'	225 lbs.
	J950-1000-12	12'	5'	255 lbs.
	J950-1000-14	14'	6'	510 lbs.
	J950-1000-16	16'	6'	540 lbs.



MOTORIZED ROTATION

ABELL-HOWE offers motorized rotation as an added feature on select models of jib cranes. Available in our Free Standing, Wall-Cantilever, Wall-Bracketed and Mast-Type Jib Crane Models. Our rotation drive is ergonomical and increases safety and control for the crane operator.

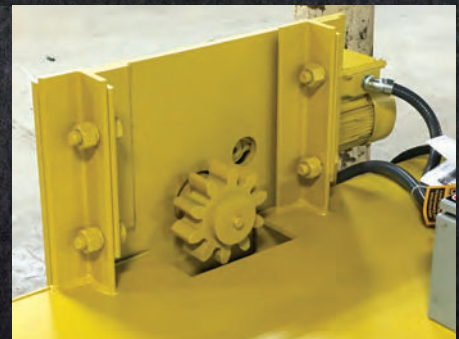
TYPE	Pillar or Wall-Mounted
CAPACITY	¼ ton – 5 tons standard
SPAN	8–20 ft. Standard
HEIGHT UNDER BOOM (HUB)	8–20 ft. Standard
ROTATION SPEED	½ RPM Nominal Speed Standard
SERVICE	Indoor or Outdoor



Rotation Motor, Brake & Gear Box



Ring Gear on Mast









Rotation Drive Pinion

BENEFITS & FEATURES

- Rotation mechanical drive – The heart of the motorized rotation drive is a superior speed reducer with a direct drive from our motor pinion to the ring gear. This motor, brake and gearbox includes:
 - ✓ Lapped steel, spiral bevel pinions, and gears heat-treated and hardened to 58-62 Rockwell C.
 - ✓ Helical-enclosed gearing – final reduction from a heat-treated drive pinion to a hardened ring gear fastened to top side of jib mast.
- Variable Frequency Drive (VFD) rotation control allows for precision movements, with a brake for emergency stopping and preventing unwanted movements.
- Rotation limit switch – two-pole limit switch available. Designed for severe duty mill applications.
- Top or bottom entry collector for 360-degree continuous rotation – prevents twisting of the jib crane wiring.
- Ask your Abell-Howe distributor about powered rotation.

MOTORIZED ROTATION FOR JIB CRANES

by Abell-Howe

MOTORIZED ROTATION AVAILABLE FOR	ABELL-HOWE MODEL	SEE PAGE #
Base-Mounted Heavy-Duty Pillar Jib 	J904B	4-5
Foundation-Mounted Pillar Jib 	J904F or J904FS	6-7
Foundationless Base-Mounted Heavy-Duty Pillar Jib 	J904R	10-11
Mast Type Jib 	J902 or J902FC	14-15
Wall-Mounted Tie Rod Jib 	J900	16-17
Wall-Mounted Full Cantilever 	J906FCT	18-19
Large Capacity Custom Jibs	JENG	24-25



JENG SERIES



Large Capacity Custom Jib Cranes

Abell-Howe's JENG Series are large capacity, custom engineered jib cranes that can be designed to meet your exact needs. Our engineers are up to the challenge of almost any jib crane application, including severe duty and extreme weather conditions. With **OVER 100 YEARS OF EXPERIENCE**, we can make large capacity, tall masts, and longer booms become a reality.

BENEFITS & FEATURES

CAPACITIES & DIMENSIONS

- Up to 25 tons.
- Boom lengths up to 45 ft.
- Height under boom (HUB) up to 65 ft.

OPTIONS AND SPECIFICATIONS

- Multiple booms on a single pillar.
- Powered rotation available in 460 VAC, 575 VAC, 230 VAC, 115 VAC, 380 VAC or other.
- Hand geared rotation.
- Hazardous conditions and explosion-proof or spark-resistant applications.
- Double boom or triple boom design.
- Truss boom design.
- Special paint systems, SSPC SP6 – commercial blast or SSPC SP10 – near white.

- US Navy or military specifications.
- Designed for seismic conditions.
- Marina or barge applications.
- Galvanized steel jib cranes – hot dipped.
- NEMA 4 or NEMA 4X enclosures for outdoor service.
- Stainless steel anchor bolts, top pin and/or guide rollers for outdoor service.
- Heaters in control enclosure and motors or air conditioners for the control enclosure.

MOTORIZED ROTATION AVAILABLE

JENG custom cranes can be motorized!
Find more on pages 22-23.

JENG SERIES

by Abell-Howe



WTJ SERIES

WTJ SERIES

by Abell-Howe

Wall-Traveling Jib Cranes

Abell-Howe's WTJ Series are ideal in relieving the demand on overhead cranes. They combine the economy and minimal space requirements of standard wall jibs while offering full building length hook coverage.

Available in tension brace or underbraced designs.

FEATURES INCLUDE

- Forged alloy steel wheels with hardened steel axles.
- Individual gear motors driving each wheel.
- Controls with thermal overload protection, motor circuit fusing, magnetic mainline contractor and fused manual safety switch.
- Entire runway system can be provided.



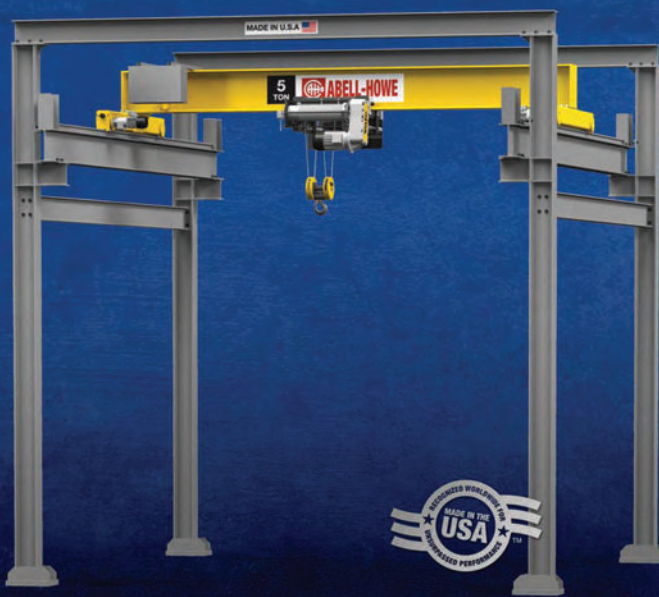


FREEDOM FRAME

FREE-STANDING MODULAR RUNWAY SYSTEM

This system is ideal for situations where installation of overhead cranes is not practical due to:

- Buildings not designed for overhead cranes
- Leased buildings
- Precast concrete buildings



EXTENSIVE CAPACITY RANGE

Available in 2, 3, 5, 7-1/2 and 10-ton capacities as standard to meet a wide range of requirements. Special capacity markings can be provided on non-standard systems.

FREE STANDING SYSTEM

Tie off to building column or support structure not required.

EASY INSTALLATION & DISMANTLING

Connections are bolted, not welded, to allow for easy installation and dismantling for movement to another location. Conductor bar system included with predrilled bracket holes for ease of installation. ASCE runway rail with hook bolts and splice plates is included.

STANDARD & ENGINEERED SYSTEMS

Standard systems consisting of modular runway systems only for quick delivery or engineered systems to accommodate any special requirements including the following:

- Top-running single girder Abell-Howe crane can be provided as an option.
- Special control requirements.
- Special environments.
- Special painting.



WE'VE GOT YOU COVERED

PRODUCT WARRANTY COVERAGE FOR JIB CRANES

Rest easy knowing you're covered! Abell-Howe products come with the best warranty in our industry. Your new jib crane products are warranted to be defect-free in material and workmanship as follows:

- **MANUAL ROTATION:** 15 years or 30,000 hours of use – The longest in the jib crane industry!
- **HAND GEARED & MOTORIZED ROTATION:** 2 years or 4,000 hours of use.
- **PAINT AND FINISHES FOR JIB CRANES:** 2 years or 4,000 hours of use.

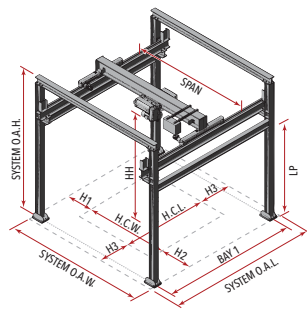
For detailed 15- and 2-year warranty coverage information, contact your Abell-Howe distributor.

1, 2, 3 OR 4 BAY SYSTEMS

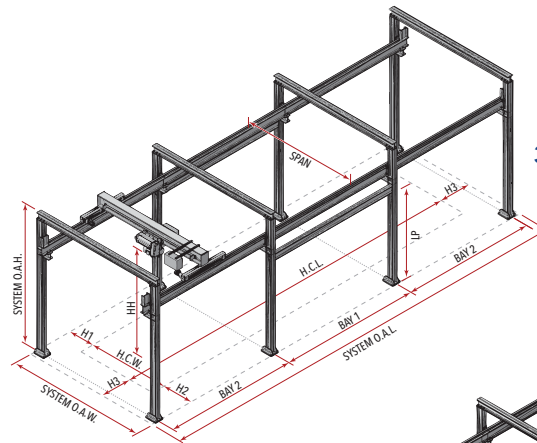
FREEDOM FRAME

by Abell-Howe

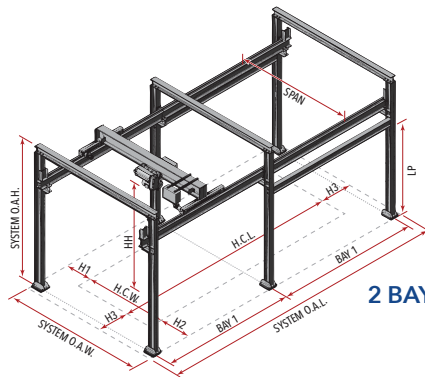
Utilize these pre-engineered bay options. Multiple bays can be provided for long runway requirements. Additional bays can be added to existing systems in field.



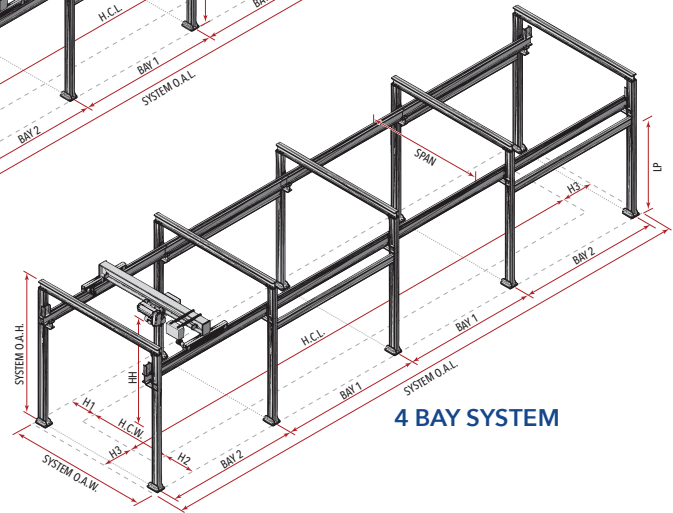
1 BAY SYSTEM



3 BAY SYSTEM



2 BAY SYSTEM



4 BAY SYSTEM

WIDTH DIMENSIONS FOR 1, 2, 3 & 4 BAY SYSTEMS

DIMENSION	CAPACITY														
	2 TONS			3 TONS			5 TONS			7-1/2 TONS			10 TONS		
SYSTEM OVERALL WIDTH (O.A.W.)	20'-0"	30'-0"	40'-0"	20'-0"	30'-0"	40'-0"	20'-0"	30'-0"	40'-0"	20'-0"	30'-0"	40'-0"	20'-0"	30'-0"	40'-0"
CRANE SPAN	16'-8"	26'-8"	36'-8"	16'-8"	26'-8"	36'-8"	16'-8"	26'-8"	36'-8"	16'-0"	26'-0"	36'-0"	16'-0"	26'-0"	36'-0"
HOOK COVERAGE WIDTH (HCW)*	11'-8"	21'-8"	31'-8"	11'-8"	21'-8"	31'-8"	11'-8"	21'-8"	31'-8"	10'-9"	20'-9"	30'-9"	10'-9"	20'-9"	30'-9"
H1*	3'-8"	3'-8"	3'-8"	3'-8"	3'-8"	3'-8"	3'-8"	3'-8"	3'-8"	4'-3"	4'-3"	4'-3"	4'-3"	4'-3"	4'-3"
H2*	4'-8"	4'-8"	4'-8"	4'-8"	4'-8"	4'-8"	4'-8"	4'-8"	4'-8"	5'-0"	5'-0"	5'-0"	5'-0"	5'-0"	5'-0"

ESSENTIAL REPLACEMENT PARTS

Keep your Abell-Howe jib cranes and overhead cranes running with genuine parts from us – your original equipment manufacturer. We stock a large inventory of parts for when you need them most. Contact your local distributor as your source for all Abell-Howe genuine crane parts.

- Anchor Bolts
- Bearings & Bushings
- Boom or Mast Replacements
- Bottom Blocks, Hooks & Hook Latches
- Brakes
- Chain
- Collectors & Festoon Systems
- Controls – Radio or Pendant
- Couplings
- Drums
- Fittings & Hardware
- Gearboxes
- Guide Rollers
- Motors
- Pins
- Pinions
- Snap Rings & Spacers
- Trolleys – Manual or Motorized
- Wheels & Axles – Bridge & Trolley
- Wire Rope
- ... and more!





Reaching New Heights



Our high quality Abell-Howe jib cranes are made in the USA.

www.abell-howe.com

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