

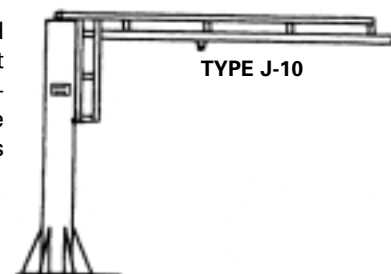


ENGINEERED AND CERTIFIED JIB CRANES

ALL SLINGMASTER jib crane are designed and certified by a Professional Engineer. Welding conforms to CSA W59. SLINGMASTER jib cranes are painted safety yellow, have a manufacturer's ID plate, and have the rated capacity marked on both sides of the boom. SLINGMASTER can design, manufacture or modify a jib crane to meet your specific requirements.

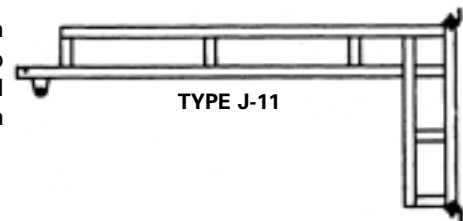
Type J10, J11

Work station Jib cranes are available in 100, 150, 250, 500 and 1000 lbs. capacities with a boom span up to 12 or 16 feet depending on the jib crane capacity. Designed to meet individual and localized work station requirements. These jib cranes are best utilized with small manual chain hoists, electric or air hoists and tool or air balancers.



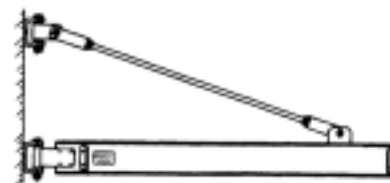
Type J1, J2

Wall or column mounted jib cranes are available in 1/2-5 Ton capacities with a boom span up to 20 feet depending on the jib crane capacity. These basic jib cranes are the most economical means of providing maximum crane coverage for a specific area and/or use with 180° of rotation.



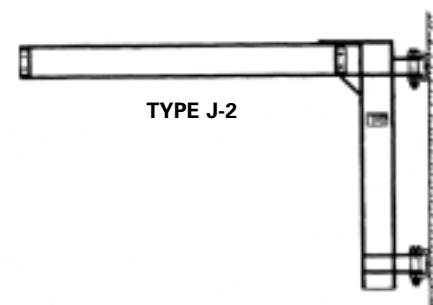
Type J1 Jib Crane Features

Self-lubricating bronze bushing and thrust washers. Grease fittings are provided for relubrication when conditions warrant. Tie rod adjustment for boom leveling. Pin connected at hinges to permit adjustments in level and/or tolerance allowance. Ample dimensions provide maximum safety with minimum deflection under load.



Type J2 Jib Crane Features

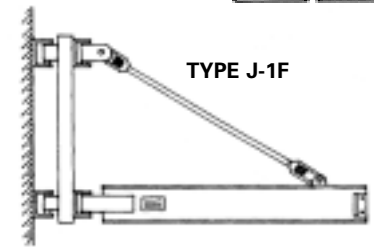
Self-lubricating bronze bushing and thrust washers. Grease fittings are provided for relubrication when conditions warrant. Pin connected hinge points prevent binding and allow free travel of boom even if alignment of hinges is not perfect. Where required on longer spans, booms are provided with HSS (Hollow Structural Section) caps for minimum deflection under load.





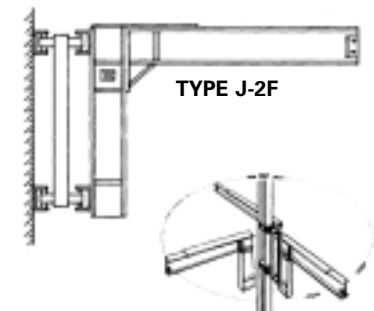
Type J1F, J2F

Column mounted Jib cranes provide 360° rotation off one of your building columns. Available in 1/2-2 Ton capacities with a boom span up to 20 feet. Now you can get 360° of jib boom rotation in a jib crane that mounts off your unobstructed building column. Transfer loads to and from adjacent bays without double handling, load and unload machines, trucks, etc. in adjacent bays with one jib crane and one hoist. Torsion resistant construction is used in conjunction with a unique double knuckle bearing design to provide 360° of smooth non-binding boom rotation. Column reinforcement might be required.



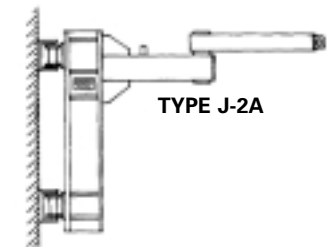
Type J2A, J7TA

Compression braced articulation arm jib cranes are available in 500, 1000, and 2000 lbs. capacities with boom spans of 6' + 5' = 11 ft., 8' + 7' = 15 and 11' + 9' = 20 ft. These articulating arm Jibs are ideally suited for production line applications in conjunction with tool or air balancers, wire feeders, spools, hoists, etc.



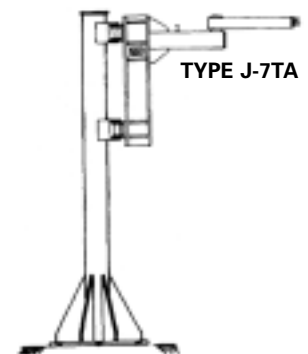
Type J2A Jib Crane Features

Wall hinges are fitted with self lubricating bronze bearings and thrust washers. Grease fittings are provided for re-lubricating if conditions warrant. Outer arm bearing are ball and spherical roller type. A friction disc is provided in outer arm bearing to prevent load drift. A stopper with rubber bumper is provided for outer arm rotation. Inner arm rotates 180°. Outer arm rotates approx. 330°. Pin connections at wall hinges prevents binding due to misalignment.



Type J7TA Jib Crane Features

In most cases, it can be anchor bolted directly to adequate concrete floor (anchor bolts optional extra). Self lubricating bronze bearings and thrust washer on inner arm. Grease fittings are provided for re-lubricating where conditions warrant. Pin connections prevent binding due to misalignment. Outer arm has ball bearings with friction disc to prevent load drift. Stopper with rubber bumpers is provided for outer arm rotation. Inner arm rotates 270°. Outer arm rotates approx. 330°.



BISON has a complete selection of hoists, trolleys and balancers (manual, motorized, electric or air) to meet your individual requirements.

! CAUTION! IT'S THE CUSTOMER'S RESPONSIBILITY TO: !

- 1- Determine if the wall, column or beam support which the jib crane will be suspended from is adequate to support the jib, hoist and maximum rated capacity. Thrust and pull loads for each Jib crane are available from BISON.
- 2- Determine that the foundation on which the free standing jib crane is mounted to or inserted into is of sufficient size and strength to support the loads imposed under the maximum loading conditions. Foundation requirements are generally based on a minimum soil pressure of 2500 lbs. per square foot and 3000 lbs. per square inch of compressive concrete with 3/4 inch re-bar on 12 inch centers both top and bottom.



JIB CRANES



MAST, POST, FREE STANDING 200° - 360° ROTATION

Type J3, J3A, J4

Mast supported 360° rotating jib cranes are available in 1/2 - 5 Ton capacities with boom span up to 20 feet. These floor supported top stabilized jib cranes have a heavy section structural mast. Top connection may be attached to an overhead beam, truss or with a proper bracket, supported from a wall or column. These jibs exert the least amount of force on their supporting structure, normally not requiring special foundation preparation.

Type J3, and J4 Jib crane features

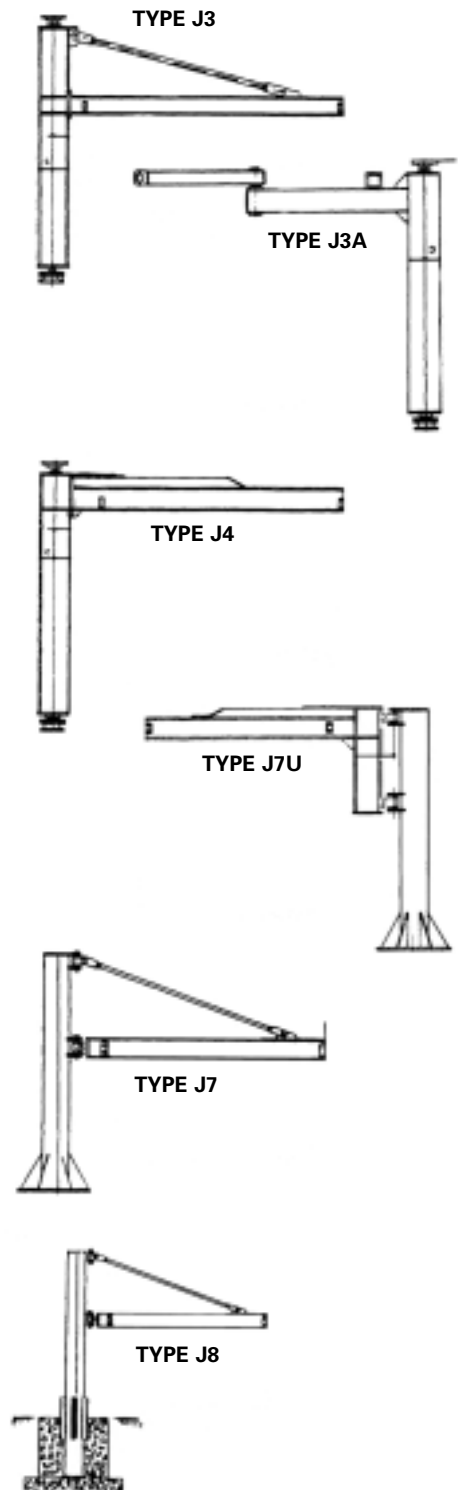
Spherical roller bearings top and bottom for smooth, easy and manual rotation. Top axle is floating in a bearing to prevent vertical load transfer from support structure to jib mast. A friction drag brake is incorporated in the lower bearing block to prevent load drift. Bearings are sealed and regreasable (taconite seals are available). OPTIONS - motorized slewing, electrical slings for continuous rotation, adjustable limit switches (electric motorized slewing), Festoon cable assy for hoist. Structural elements are amply proportioned to minimize deflection under load. Larger capacity and/or longer spans available on request.

Type J3A Jib crane features

Spherical roller bearings top and bottom for smooth, manual rotation of outer arm. Mast bearing provided with drag brake and outer arm bearings with friction disc brake to prevent load drift. Top axle is floating in a bearing to prevent vertical load transfer from support structure to mast. Bearings are sealed and re-greasable. (Taconite seals are available as options). A stopper, with rubber bumper is provided for limiting outer arm rotation.

Type J7 and J8 Jib crane features

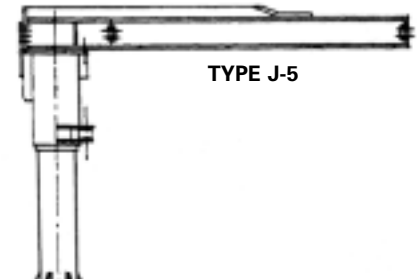
Type J7 jib crane has a circular base for anchor bolting to concrete foundation (anchor bolts optional extra). Type J8 has extended mast for imbedding in concrete. Boom rotation max 210°. Pin connection at hinge points permits boom levelling by adjusting tie rod. Hinges are fitted with self lubricating bronze bushings and thrust washers. Grease fittings are provided for re-lubrication where conditions warrant. Structural components are amply proportioned to minimize deflection under load.



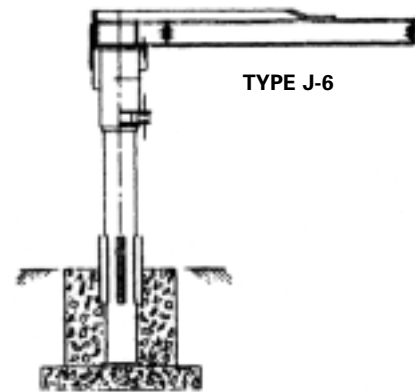


Type J5, J6

Free standing 360° rotating, high cycle, production oriented jib cranes are available in 1-10 Ton capacity with a boom span up to 20 feet. Highly suitable for loading, handling and transferring of materials where heavy impact will occur, and minimal boom deflection is required. These jibs are ideal for use under overhead cranes, in open areas where they can serve several work stations or bays, and are adaptable for either indoor or outdoor applications



TYPE J-5



TYPE J-6

Type J5, J6 Crane features

Type J5 has circular base for anchor bolting to concrete foundation. Type J6 has extended mast for imbedding in concrete (anchor bolts not included- available as option on request). Spherical roller bearing at top of mast and ball bearing rollers at bottom of revolving head provide smooth manual or power rotation. Lower rollers run on wearing ring welded to mast. (Wear due to roller will not weaken mast). Structural components are designed to minimize deflection under load.

OPTIONAL EQUIPMENT AND ACCESSORIES

Available at additional cost, not all are suitable for applications on all models. Consult BISON for details.

- Powered rotation
- Top or bottom entry 360° rotation collector assembly (electric or air)
- Manual rotation stops
- Electric power cord or air hose festooning
- Internal wiring
- Sleeve for concrete insert mounted installations

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2- Determine that the foundation on which the free standing jib crane is mounted to or inserted into is of sufficient size and strength to support the loads imposed under the maximum loading conditions. Foundation requirements are generally based on a minimum soil pressure of 2500 lbs. per square foot and 3000 lbs. per square inch of compressive concrete with 3/4 inch re-bar on 12 inch centers both top and bottom.