

# Abell-Howe floor mounted jib crane

## SPECIFICATIONS

**MAST:** Fabricated from heavy wall structural steel pipe with wall thickness sized to minimize deflection.

**BASE PLATE:** Large diameter base plate is reinforced with heavy steel gussets for continuous alignment and rigidity.

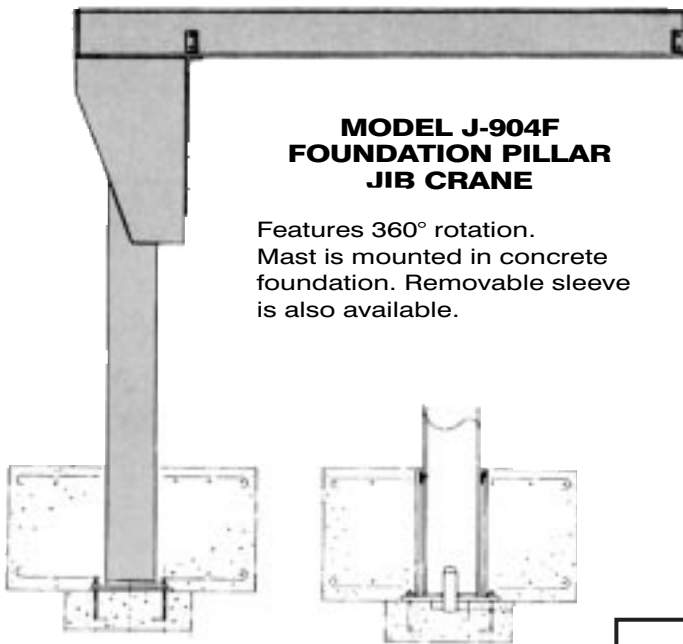
**HEAD SECTION:** Rigid steel plate box type with welded construction for minimum deflection between boom and mast.  
– Bottom roller assembly can be shimmed for boom leveling.

**BOOM:** Rolled steel I-beam section with long wearing tapered flange for smooth trolley travel.  
– End stops at both ends of the boom are provided to limit trolley travel.



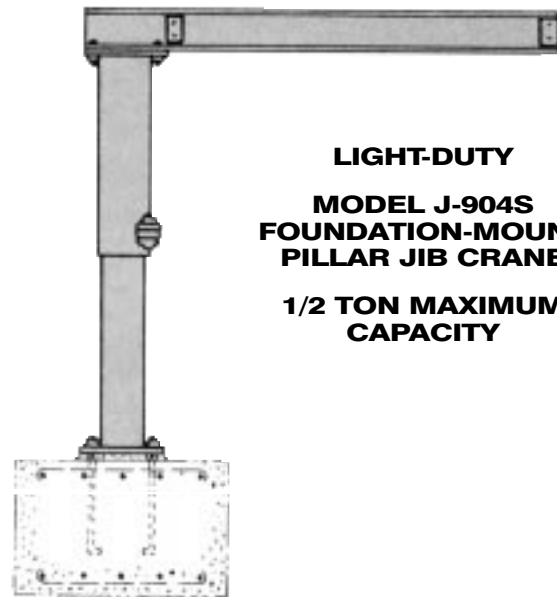
## FEATURES

- The J-904 boom features full 360° rotation on a tapered roller bearing providing full capacity vertical and radial thrust loading.
- The lower section of the head revolves around the pillar on a pair of steel rollers equipped with self-aligning roller bearings.
- Available in hand push, hand geared rotation, air or electric motor drives.
- J-904 Pillar Jib Cranes are available as standard in capacities from 500-20,000 lbs, spans to 30 ft and under boom height from 8 to 30 ft.
- Larger capacity & special configurations are available upon request.



**MODEL J-904F  
FOUNDATION PILLAR  
JIB CRANE**

Features 360° rotation.  
Mast is mounted in concrete foundation. Removable sleeve is also available.



**LIGHT-DUTY  
MODEL J-904S  
FOUNDATION-MOUNT  
PILLAR JIB CRANE**

**1/2 TON MAXIMUM  
CAPACITY**

### \* ⚠ **WARNING**

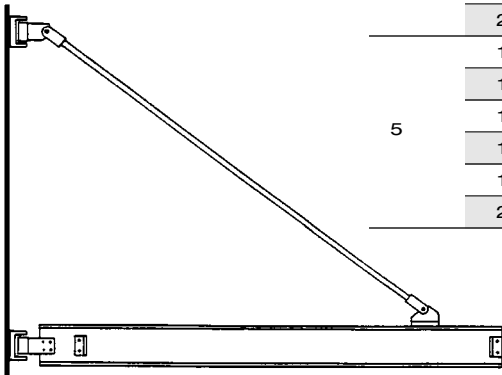
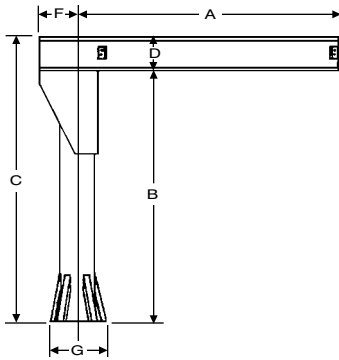
**Overloading and improper use can result in injury.**

**To avoid injury:**

- Do not exceed working load limit, load rating or capacity.
- Do not use to lift people or loads over people.
- Use only alloy chain for overhead lifting.
- Read and follow all instructions.

Chart represents a sample of J-904 sizes and capacities

Capacity (tons)	Span A	Boom height B	Overall height C	Model no. J904	Mast dia.	Boom size D	Base plate dia. G	F	Approx. net weight
1/2	10' 0"	10' 0"	10' 6"	120-06B	12 3/4"	6"/12.5#	3' 0"	1' 3"	1040#
	12' 0"	10' 0"	10' 7"	120-07B	12 3/4"	7"/15.3#	3' 0"	1' 3"	1265#
	14' 0"	10' 0"	10' 8"	120-08B	12 3/4"	8"/18.4#	3' 0"	1' 3"	1350#
	16' 0"	10' 0"	10' 10"	120-10B	12 3/4"	10"/25.4#	3' 0"	1' 3"	1515#
	18' 0"	10' 0"	10' 10"	120-10B	12 3/4"	10"/25.4#	3' 0"	1' 3"	1565#
	20' 0"	10' 0"	11' 0"	140-12B	14"	12"/31.8#	3' 6"	1' 5"	2055#
1	10' 0"	10' 0"	10' 8"	120-08B	12 3/4"	8"/18.4#	3' 0"	1' 3"	1280#
	12' 0"	10' 0"	10' 10"	120-10B	12 3/4"	10"/25.4#	3' 0"	1' 3"	1415#
	14' 0"	10' 0"	11' 0"	140-12B	14"	12"/31.8#	3' 6"	1' 5"	1855#
	16' 0"	10' 0"	11' 0"	140-12B	14"	12"/31.8#	3' 6"	1' 5"	1920#
	18' 0"	10' 0"	11' 3"	140-15B	14"	15"/42.9#	3' 6"	1' 5"	2205#
	20' 0"	10' 0"	11' 3"	140-15B	14"	15"/42.9#	3' 6"	1' 5"	2290#
2	10' 0"	12' 0"	13' 0"	140-12B	14"	12"/31.8#	3' 6"	1' 5"	1825#
	12' 0"	12' 0"	13' 0"	160-12B	16"	12"/31.8#	4' 0"	1' 4 3/8"	2440#
	14' 0"	12' 0"	13' 3"	160-15B	16"	15"/42.9#	4' 0"	1' 4 3/8"	2690#
	16' 0"	12' 0"	13' 6"	160-18B	16"	18"/54.7#	4' 0"	1' 4 3/8"	2990#
	18' 0"	12' 0"	13' 6"	180-18B	18"	18"/54.7#	4' 6"	1' 5 3/8"	3455#
	20' 0"	12' 0"	13' 6"	180-18B	18"	18"/54.7#	4' 6"	1' 5 3/8"	3585#
3	10' 0"	12' 0"	13' 3"	160-15B	16"	15"/42.9#	4' 0"	1' 4 3/8"	2515#
	12' 0"	12' 0"	13' 3"	180-15B	18"	15"/42.9#	4' 6"	1' 5 3/8"	2955#
	14' 0"	12' 0"	13' 6"	180-18B	18"	18"/54.7#	4' 6"	1' 5 3/8"	3235#
	16' 0"	12' 0"	13' 6"	200-18B	20"	18"/54.7#	5' 0"	1' 8 3/8"	3900#
	18' 0"	12' 0"	13' 8"	200-20B	20"	20"/65.4#	5' 0"	1' 8 3/8"	4240#
	20' 0"	12' 0"	14' 0"	240-24B	24"	24"/79.9#	5' 6"	1' 11 1/8"	5320#
5	10' 0"	12' 0"	13' 6"	200-18B	20"	18"/54.7#	5' 0"	1' 8 3/8"	3570#
	12' 0"	12' 0"	13' 6"	240-18B	24"	18"/54.7#	5' 6"	1' 11 1/8"	4230#
	14' 0"	12' 0"	13' 8"	240-20B	24"	20"/65.4#	5' 6"	1' 11 1/8"	4520#
	16' 0"	12' 0"	14' 0"	240-24B	24"	24"/79.9#	5' 6"	1' 11 1/8"	4960#
	18' 0"	12' 0"	14' 0"	300-24HB	30"	24"/105.9#	6' 0"	2' 2"	7180#
	20' 0"	12' 0"	14' 0"	300-24HB	30"	24"/105.9#	6' 0"	2' 2"	7390#



**Model J-900**

Thru 5 Ton Standard capacity 200° maximum rotation\*

**Specifications**

- Fabricated, steel wall bracket fittings with bearings.
- Threaded tie rods provide take-up for boom leveling.

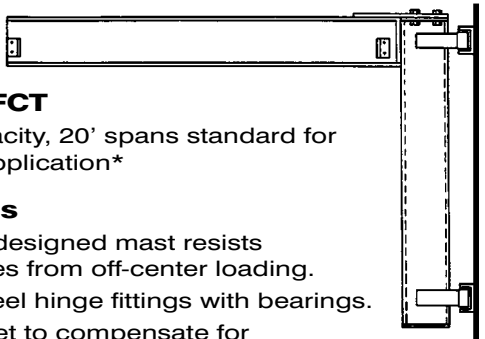
**Model J-906FCT**

Thru 5 ton capacity, 20' spans standard for high hook lift application\*

**Specifications**

- Conservably designed mast resists torsional forces from off-center loading.
- Fabricated steel hinge fittings with bearings.
- Boom is preset to compensate for deflection under load.

\*Larger capacity and special configurations available.



**Available in motorized versions—consult factory**

- **Abell-Howe wall bracket jib crane fitting**  
Make your own J-900 Jib Crane using the same quality hinge fitting used on all Abell-Howe J-900 Jibs. Kit includes Upper Tie Rod Hinges; Lower Boom Hinge; and, Boom End Tie Rod Connector. For capacities of 1 to 5 tons. Complete instructions included. You provide I-beam, tie rods and assembly.
- **Abell-Howe full cantilever jib crane fitting**  
Make your own J906FCT Jib Crane up to 2 ton capacity.

