



Jib Boom Installation Instructions

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Revision: **E**
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Knight 360 degree Jib Cranes

1. Check Jib Crane for physical damage due to shipping.
2. Read all instructions before final assembly.
3. Foundation requirements are based on data such as soil pressure, surrounding footings/pilings, etc. and should be determined by a registered engineer in your state.
4. Pour foundation (if required) with anchor bolts located to base bolt pattern shown on page 2.
5. Spread grout over foundation approximately 1" thick and equal to the base plate size.
6. Lower base and column assembly over anchor bolts and set on foundation grout surface.
7. Tighten anchor bolts against grout (grout should be solid between base plate and foundation surface).
8. After grout has hardened, bolt boom and column together with bolts provided.
9. Level boom by turning adjustment bracket jackscrews.
10. Remove end stop assembly and slide balancer or hoist onto boom. Reinstall end stop assembly.
11. Attach air supply package to balancer or hoist (if purchased).
12. For shipping purposes, adjustable stops are set to prohibit boom from swinging. Slide round cover plate up the square tubing and adjust hard stops to desired position.
13. Slowly rotate boom and check for any obstructions; remove obstructions.
14. Tighten all bolts. Unit should be ready for operation.

NOTE: DO NOT use Jib Boom for lifting any weights beyond it's rated capacity. DO NOT remove any capacity stickers from Jib Boom.

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1. Dig a hole to size determined from table below.
2. Prepare threaded retaining rods. Rod length should be half the hole depth plus 3 in. (for above floor protrusion).
3. Pour concrete to half of hole depth. Perform steps 4 and 5 **BEFORE** concrete sets.
4. Use pattern (see template below) to determine location of threaded retaining rods.
5. Rods should be held in position while filling balance of hole with concrete. Make sure that the threaded ends of the retaining rods protrude above floor level.

NOTE¹: In very sandy soil or on unstable ground, the hole should be dug deeper for greater stability. See note 3 on page 1.

NOTE²: Check all dimensions in table prior to setting retaining rods.

Formula

Base Plate size = X
 Size of Hole A = $X + \frac{1}{4}X$
 Depth of Hole B = $\frac{2}{3}A$

Table

X (in.)	Y (in.)	W (in.)	Z (dia)
18	6 ⁵ / ₈	5 ¹¹ / ₁₆	7/ ₈
24	9 ¹ / ₈	7 ⁷ / ₁₆	7/ ₈

Retaining Rod

