



# Wallace Fixed Height Gantry Cranes

## Operating, Adjustment, and Inspection Instructions

*Read, Understand, and Comply with all instructions supplied with this crane. Also, pay attention to the equipment used with this crane such as hoists, trolleys, power drives (if applicable), etc.*

*Read, Understand, and Comply with the requirements of OSHA (Occupational Safety, and Health Administration) 1910.179*

## Assembly and Safety Instructions

### Inspect Crane Before Moving and/Or Each Day's Use

- Center Load under I-Beam before lifting
- When moving crane under load, position load at center of the I-Beam.
- DO NOT Lift or support humans.
- DO NOT allow load to swing or roll against any supporting members.
- DO NOT TOW or Pull Crane.
- DO NOT OVERLOAD CRANE.
  - A. Do not lift loads that are heavier than the rated capacity of the crane.
  - B. Make certain the load is free to be lifted.

### Positioning of Crane to Handle Loads

**DO**

- Keep Load Hook of Hoist in the Shaded Safe Zone.

**Allowable**

The hinged suspension of the I-Beam allows 7.5° movement to either side to allow for slight off-center loading.

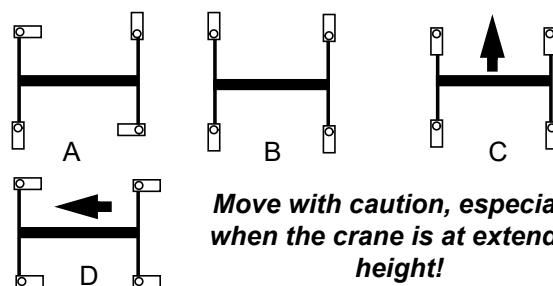
Under normal conditions (for example, the casters positioned at right angles to the I-Beam and the crane is free to roll), the crane will move to self-align over the load.

**DO NOT!**

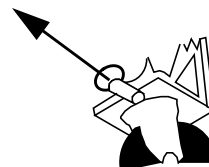
- The crane may "topple" if the hook is not kept in the shaded safe load zone and the crane is not free to align over the load.
- Lifting off centerline at one end of the crane is dangerous! Up to 90% of the load can be carried by ONE leg. Even though rated capacity is not exceeded, the result can be a 90% overload and the trolley is improperly loaded

### Positioning of Casters

- A. To secure crane position while lifting load, lock diagonally opposite casters as shown.
- B. To utilize maximum crane strength, lock casters as shown.
- C. To move crane and/or load perpendicular to I-beam, lock casters as shown or allow casters to pivot freely.
- D. To move crane and/or load parallel to I-beam, lock casters as shown or allow casters to pivot freely.



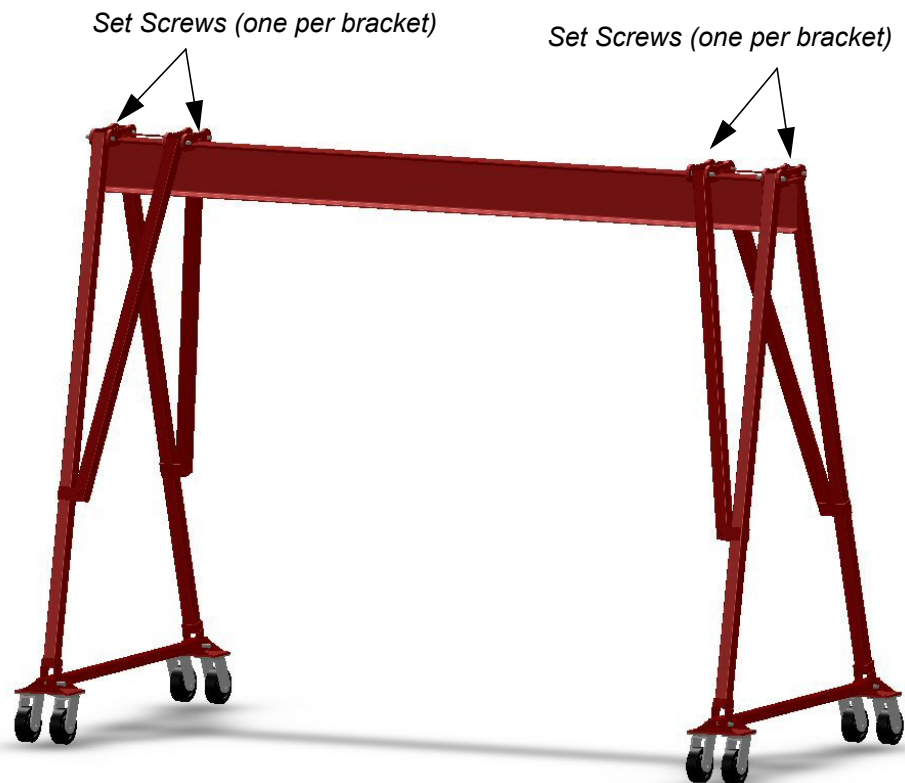
*Pull out and turn pin as necessary to provide a locked or unlocked caster position, then release pin.*



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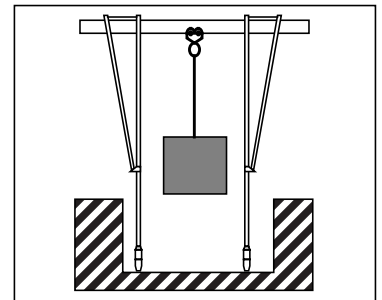
## Cantilever Procedure

**NOTE:**  
This feature not  
available for 15 Ton  
Cranes

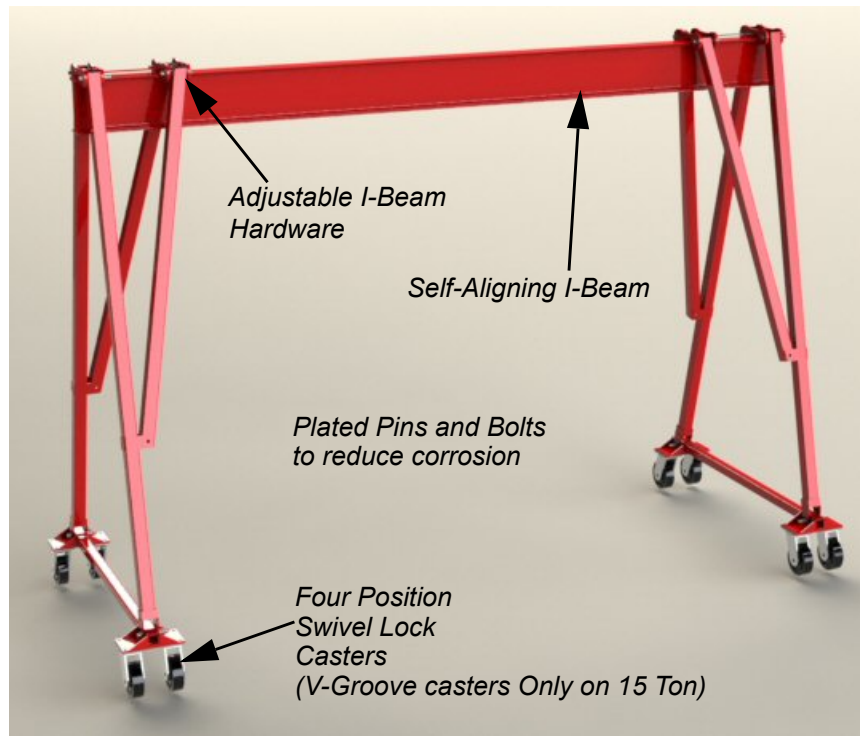


## Cantilever Configuration/Adjustment of Distance Between Legs Along Length of I-Beam Procedure

1. Raise one end of I-beam until casters are off the floor.
2. Loosen set screws on top of I-beam hardware. (See above).
3. Slide I-beam hardware, with legs attached, on I-beam until the desired amount of cantilever or leg adjustment is achieved.
4. When adjusting for cantilever, DO NOT OVER-ADJUST. Adhere to distances specified in Form 123 (Cantilever Chart provided with the crane) for the amount of cantilever, load and counterweight required.
5. When desired amount of cantilever or leg adjustment is achieved, securely tighten set screws to prevent movement.
6. Repeat above if leg adjustment on opposite end is required.



# Wallace Cranes, Built-in Safety

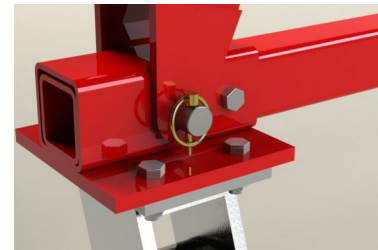


## Wallace Fixed Height Visual Check Points

To ensure the safe operation of your crane, inspect it for bent, broken, worn, corroded, cracked, or missing parts. A series of vital checkpoints are described and shown below. Check these areas closely to ensure that all pins and fastening hardware are in place and securely attached. Caution Tags are attached to the Locking Rings and Locking Pins in these critical areas to aid in your inspection. **DO NOT USE** the crane if it does not meet these and the relevant ANSI B30.17 inspection requirements.



1. Brace and main legs are attached to the pin assemblies and secured with locking rings. Locking rings at each end of the I-Beam should be in place and secured to ensure the I-Beam Hardware never slides beyond end of I-Beam.



2. Lower main legs are attached to the caster frame casting with pins, secured with a Klik pin. Inspect casters and wheels for damage, such as cracks, bent king pins, and freedom of movement. Replace any damaged casters immediately.

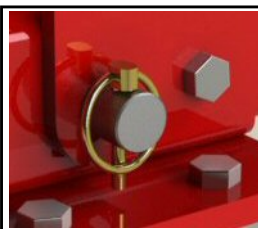
## Read, Understand, and Comply with the instructions on the Crane and:

- A. Rated load clearly stenciled on opposite sides of I-beam.
- B. Rated load clearly stenciled on Hoist and Trolley.
- C. Form 379F (This Form) attached in convenient location by user.
- D. Caution tag attached to locking pins.

### CAUTION AREAS

Make certain that all CAUTION labels are in place and legible. Replacements for damaged or missing labels upon request.

**Inspect that rated capacity is plainly marked on each side of I-beam. Each hoisting unit shall have its rated load clearly marked and shall be legible from ground or floor.**



**Klik pins must be closed.**

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Malvern, PA 19355



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800-553-5438

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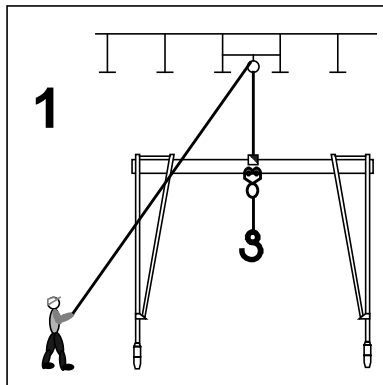
# Wallace Cranes, Built-in Safety

## General Safety Instructions for Crane Adjustments

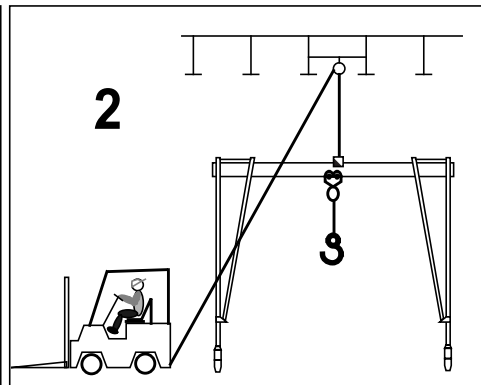
- **ADJUSTMENTS** and/or repairs should be made in an area where they will have the least interference with ongoing operations.
- **DO NOT** make adjustments when the crane is under load. If crane is in operation, lower and disconnect the load before making any adjustments.
- **SECURE TROLLEY AND HOIST** to prevent movement during adjustment of crane.

## Methods of Supporting Crane for Assembly

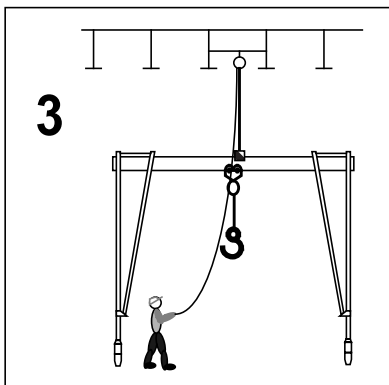
**DO NOT ASSEMBLE OR DISASSEMBLE OR MAKE ANY ADJUSTMENTS TO CRANE**  
**UNTIL** the unit is supported by one of the five methods illustrated below.



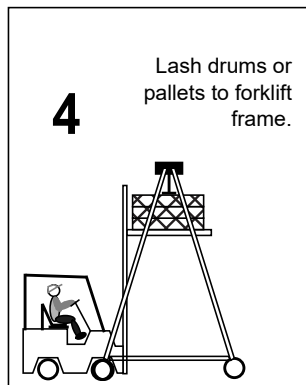
Use a Block and Tackle with cable winch with lifting bracket or beam clamp



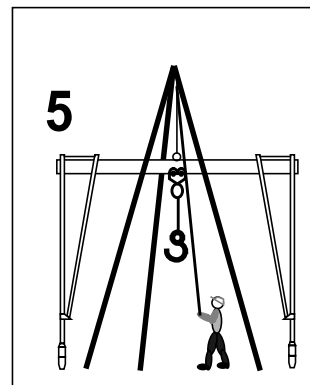
Use a block and tackle with lifting bracket or beam clamp with a suitable truck.



Use a hand or electric hoist with a lifting bracket or beam clamp.



Use a forklift truck.



Use a tripod and hoist with a lifting bracket or beam clamp.