



# Aluminum Gantry Crane

## T-EER3 & T-EER4



T-EER3 2000 Lbs Capacity-8 Ft, I-Beam Span  
T-EER4 2000 Lbs Capacity-10 Ft, I-Beam Span

*Please read and save this manual for future reference. Use caution when attempting to assemble, install and operate. Failure to comply with instructions and safety warnings could result in personal injury or product damage.*

### WARNING

- Read ALL instructions carefully and completely before operating unit. Only trained operators should use the crane and perform daily inspections for all parts of the crane.
- Use caution when unpacking and check for any damage that may have occurred in transit.
- Make sure all hardware is tightened when the assembly is complete.
- Lock all wheels perpendicular to each other before loading. When moving is not required, always keep all wheels locked.
- Never exceed the max load capacity of 2000 lbs. The total capacity includes the weight of the hoist and trolley.
- Never attempt to move the unit when loaded and stand clear of hanging loads.
- Never attempt to adjust the gantry beam height while a load is attached.
- Never cantilever loads off of one end of the gantry crane.
- Remove loads before performing inspection or maintenance work.
- Do not remove any warning labels from the unit.

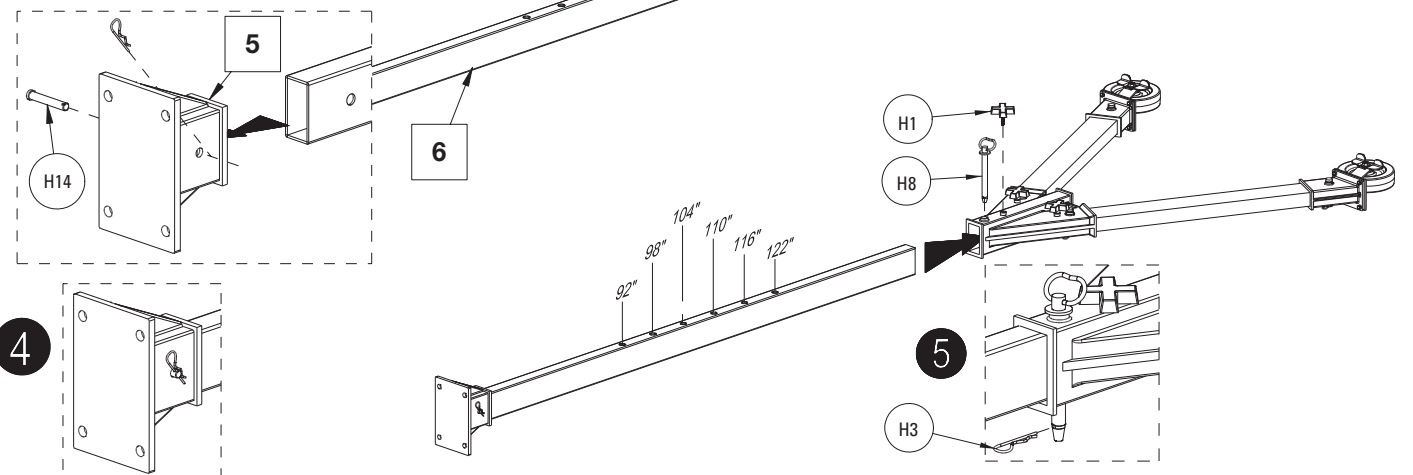
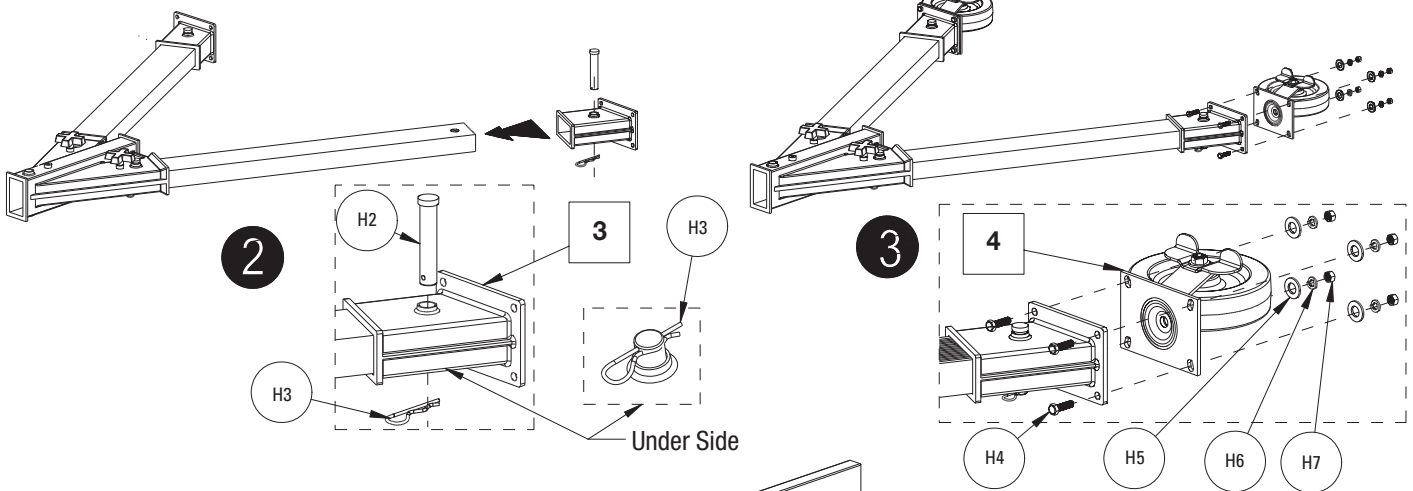
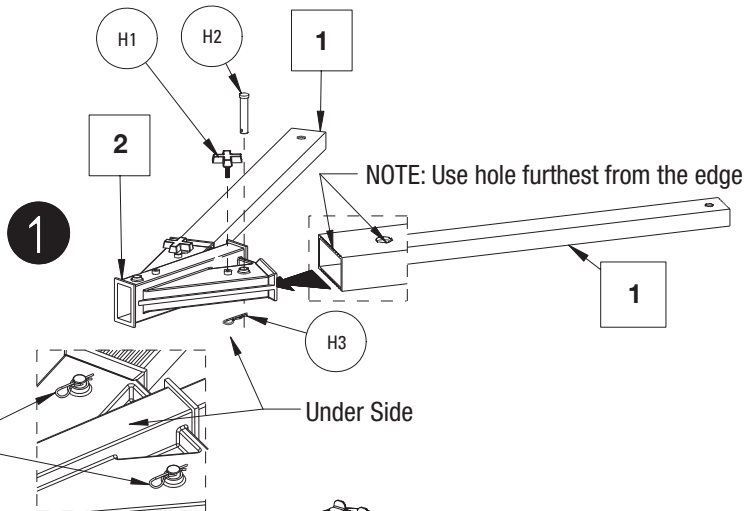
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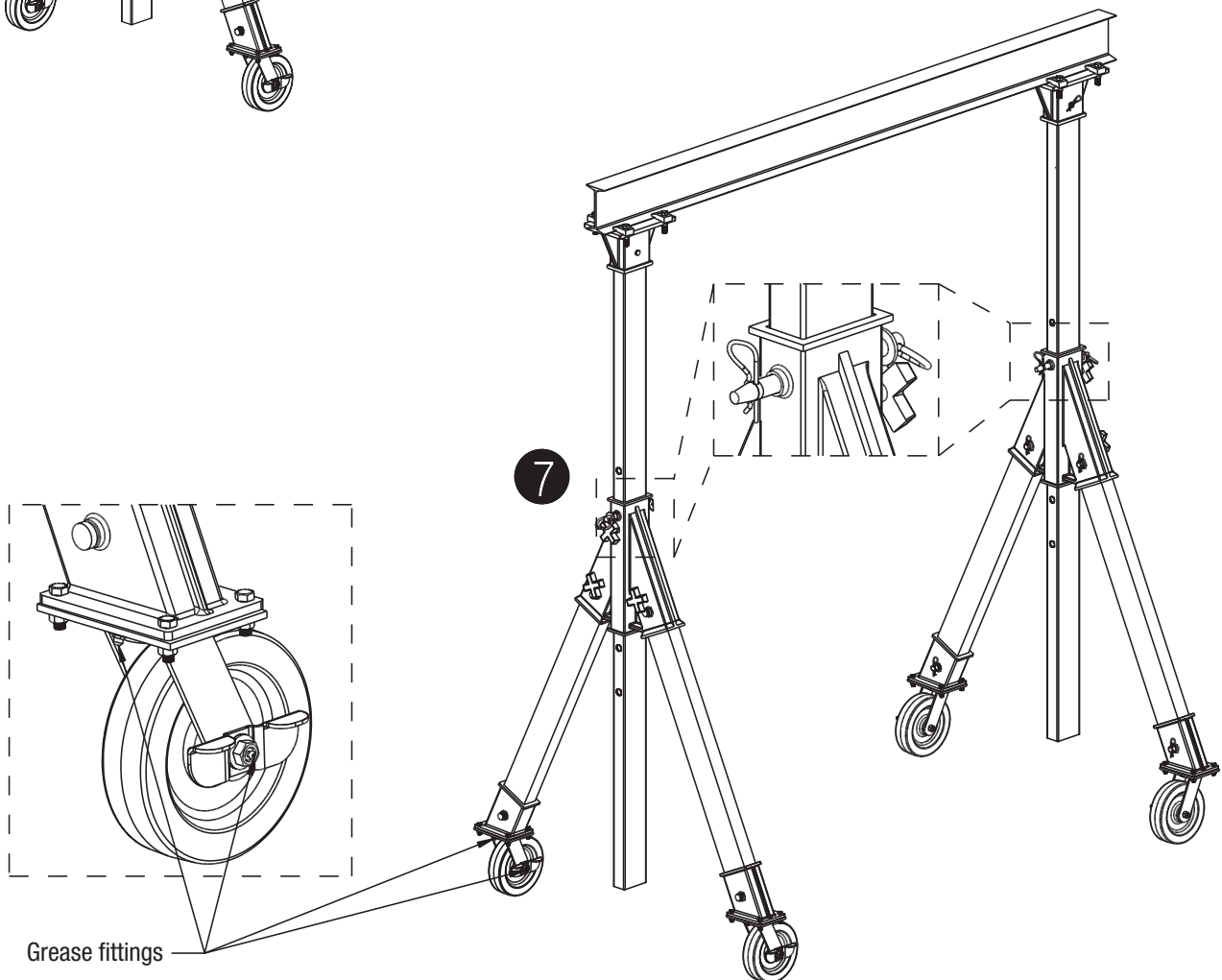
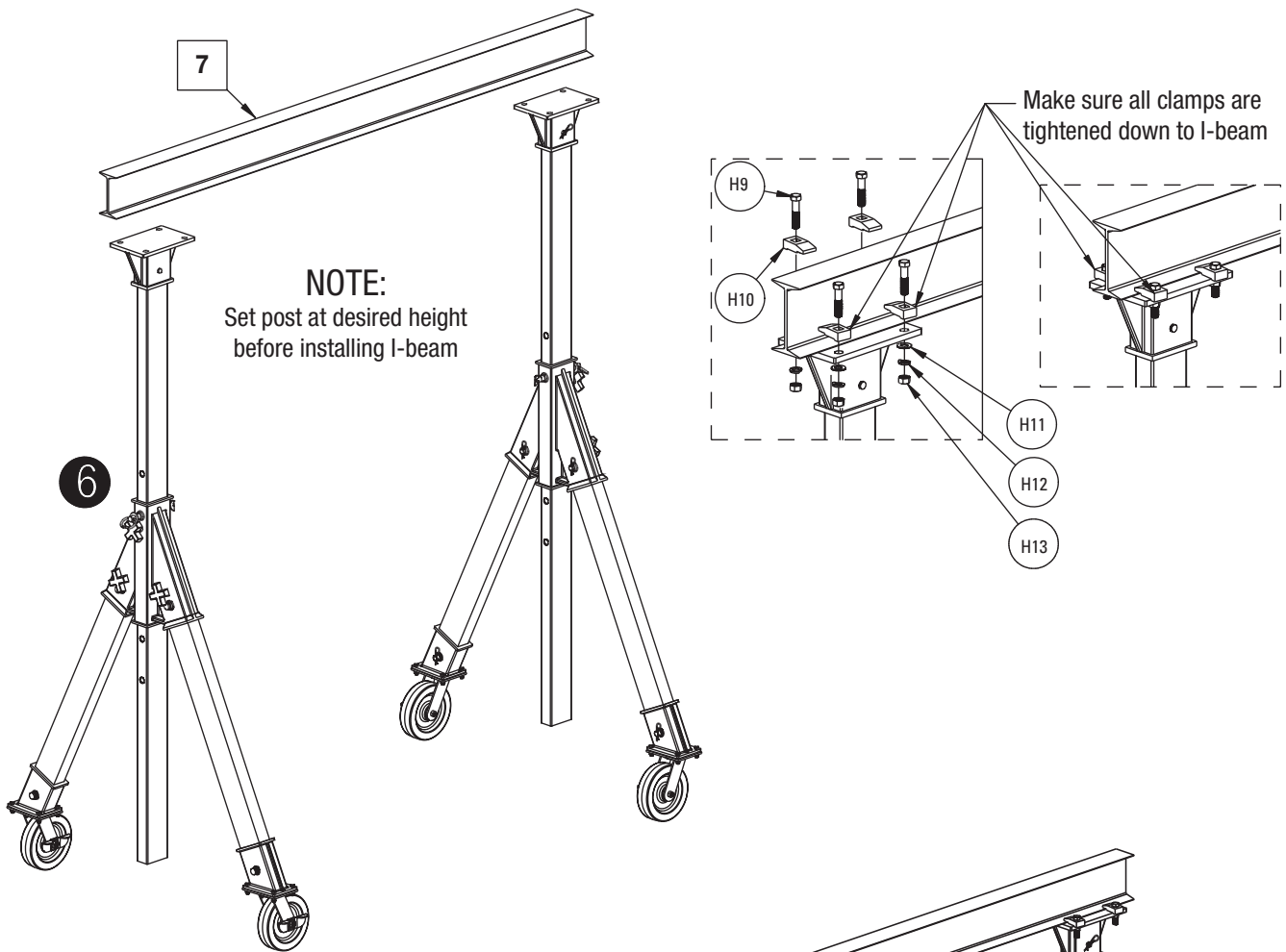
Ref.	Qty.	Description
H1	6	Knob
H2	8	Clevis Pin (Large)
H3	12	Cotter Pin
H4	16	3/8-16 x 1 1/2 Hex Bolt
H5	16	.42 I.D. Plain Washer
H6	16	.42 I.D. Lock Washer
H7	16	3/8-16 Hex Nut
H8	2	Height Adjustment Pin
H9	8	9/16-12 x 2 1/2 Hex Shoulder Bolt
H10	8	Clamp
H11	8	.6 I.D. Plain Washer
H12	8	.6 I.D. Lock Washer
H13	8	9/16-12 Hex Nut
H14	2	Clevis Pin (Small)

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Ref.	Qty.	Description
1	4	Leg
2	2	Y-Connector
3	4	Base Connector
4	4	Swivel Locking Caster
5	2	Top Support Connector
6	2	Adjustable Post
7	1	I-Beam



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### Inspection Guidelines – OSHA Regulations 1910.179

#### 1910.179(j)(1) - Inspection Classification

- **1910.179(j)(1)(i)** - Initial inspection. Prior to initial use all new and altered cranes shall be inspected to insure compliance with the provisions of this section.
- **1910.179(j)(1)(ii)** - Inspection procedure for cranes in regular service is divided into two general classifications based upon the intervals at which inspection should be performed. The intervals in turn are dependent upon the nature of the critical components of the crane and the degree of their exposure to wear, deterioration, or malfunction. The two general classifications are herein designated as "frequent" and "periodic" with respective intervals between inspections as defined below:
  - **1910.179(j)(1)(ii)(a)** - Frequent inspection - Daily to monthly intervals.
  - **1910.179(j)(1)(ii)(b)** - Periodic inspection - 1 to 12-month intervals.

#### 1910.179(j)(2) - Frequent Inspection

The following items shall be inspected for defects at intervals as defined in paragraph (j)(1)(ii) of this section or as specifically indicated, including observation during operation for any defects which might appear between regular inspections. All deficiencies such as listed shall be carefully examined and determination made as to whether they constitute a safety hazard:

- **1910.179(j)(2)(i)** - All functional operating mechanisms for maladjustment interfering with proper operation. Daily.
- **1910.179(j)(2)(ii)** - Deterioration or leakage in lines, tanks, valves, drain pumps, and other parts of air or hydraulic systems. Daily.
- **1910.179(j)(2)(iii)** - Hooks with deformation or cracks. Visual inspection daily; monthly inspection with a certification record which includes the date of inspection, the signature of the person who performed the inspection and the serial number, or other identifier, of the hook inspected. For hooks with cracks or having more than 15 percent in excess of normal throat opening or more than 10° twist from the plane of the unbent hook refer to paragraph (l)(3)(iii)(a) of this section.
- **1910.179(j)(2)(iv)** - Hoist chains, including end connections, for excessive wear, twist, distorted links interfering with proper function, or stretch beyond manufacturer's recommendations. Visual inspection daily; monthly inspection with a certification record which includes the date of inspection, the signature of the person who performed the inspection and an identifier of the chain which was inspected.

#### 1910.179(j)(3) - Periodic Inspection

Complete inspections of the crane shall be performed at intervals as generally defined in paragraph (j)(1)(ii)(b) of this section, depending upon its activity, severity of service, and environment, or as specifically indicated below. These inspections shall include the requirements of paragraph (j)(2) of this section and in addition, the following items. Any deficiencies such as listed shall be carefully examined and determination made as to whether they constitute a safety hazard:

- **1910.179(j)(3)(i)** - Deformed, cracked, or corroded members.
- **1910.179(j)(3)(ii)** - Loose bolts or rivets.
- **1910.179(j)(3)(iii)** - Cracked or worn sheaves and drums.
- **1910.179(j)(3)(iv)** - Worn, cracked or distorted parts such as pins, bearings, shafts, gears, rollers, locking and clamping devices.

- **1910.179(j)(3)(v)** - Excessive wear on brake system parts, linings, pawls, and ratchets.
- **1910.179(j)(3)(vi)** - Load, wind, and other indicators over their full range, for any significant inaccuracies.
- **1910.179(j)(3)(vii)** - Gasoline, diesel, electric, or other powerplants for improper performance or noncompliance with applicable safety requirements.
- **1910.179(j)(3)(viii)** - Excessive wear of chain drive sprockets and excessive chain stretch.