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FHA-series Fixed Height Aluminum Gantry Crane Instruction Manual



Receiving instructions:

After delivery, remove the packaging from the product. Inspect the product closely to determine whether it sustained damage during transport. If damage is discovered, record a complete description of it on the bill of lading. If the product is undamaged, discard the packaging.

NOTE: The end-user is solely responsible for confirming that product design, use, and maintenance comply with laws, regulations, codes, and mandatory standards applied where the product is used.

Replacement Parts and Technical Assistance:

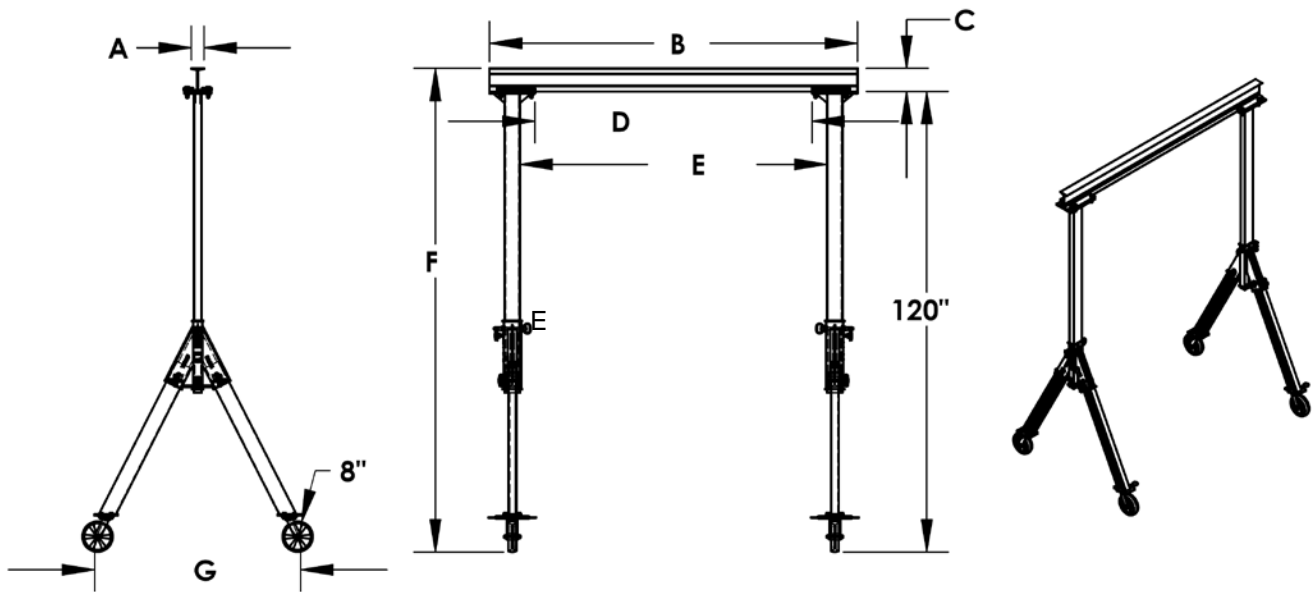
For answers to questions not addressed in these instructions and to order replacement parts, labels, and accessories, call our Technical Service and Parts Department at (260) 665-7586. The department can also be contacted online at http://www.vestilmfg.com/parts_info.htm.

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Specifications:

Dimensions, capacity, and net weight of all FHA-series cranes appear in the following diagrams and table.



Model	A	B	C	D	E	F	G	Capacity	Net Weight
FHA-2-8-10	3 ⁵ / ₁₆ " 8.4cm	96" 244cm	6" 15.2cm	72 ¹ / ₄ " 184cm	80 ¹ / ₈ " 204cm	126" 320cm	53 ³ / ₄ " 136.5cm	2,000 lb. 909 kg	277 lb. 126 kg
FHA-2-10-10	3 ⁵ / ₁₆ " 8.4cm	120" 304.8cm	6" 15.2cm	96 ¹ / ₄ " 244.5cm	104 ¹ / ₈ " 264.4cm	126" 320cm	53 ³ / ₄ " 136.5cm	2,000 lb. 909 kg	293 lb. 133.2 kg
FHA-2-12-10	4" 10.2cm	144" 365.8cm	8" 20.3cm	120 ¹ / ₄ " 305.4	128 ¹ / ₈ " 325.4cm	128" 325.1cm	53 ³ / ₄ " 136.5cm	2,000 lb. 909 kg	315 lb. 143.2 kg
FHA-2-15-10	4 ³ / ₁₆ " 10.6cm	180" 457.2cm	8" 20.3cm	156 ¹ / ₄ " 396.9cm	164 ¹ / ₈ " 417.9cm	128" 325.1cm	53 ³ / ₄ " 136.5cm	2,000 lb. 909 kg	405 lb. 184.1 kg
FHA-4-8-10	4" 10.2cm	96" 244cm	8" 20.3cm	72 ¹ / ₄ " 184cm	79 ⁵ / ₈ " 202.2	128" 325.1cm	53 ¹⁵ / ₁₆ " 137.0cm	4,000 lb. 1,818 kg	346 lb. 157.3 kg
FHA-4-10-10	4 ³ / ₁₆ " 10.6cm	120" 304.8cm	8" 20.3cm	96 ¹ / ₄ " 244.5cm	103 ⁵ / ₈ " 263.2cm	128" 325.1cm	53 ¹⁵ / ₁₆ " 137.0cm	4,000 lb. 1,818 kg	348 lb. 158.2 kg
FHA-4-12-10	4 ³ / ₁₆ " 10.6cm	144" 365.8cm	8" 20.3cm	120 ¹ / ₄ " 305.4	127 ⁵ / ₈ " 324.2cm	128" 325.1cm	53 ¹⁵ / ₁₆ " 137.0cm	4,000 lb. 1,818 kg	366 lb. 166.4 kg
FHA-4-15-10	4 ¹¹ / ₁₆ " 11.9cm	180" 457.2cm	10" 25.4cm	156 ¹ / ₄ " 396.9cm	163 ⁵ / ₈ " 415.6cm	130" 330.2cm	53 ¹⁵ / ₁₆ " 137.0cm	4,000 lb. 1,818 kg	411 lb. 186.8 kg
FHA-6-8-10	4 ¹¹ / ₁₆ " 11.9cm	96" 244cm	10" 25.4cm	72 ¹ / ₄ " 184cm	79 ¹ / ₈ " 201.0cm	130" 330.2cm	64 ¹¹ / ₁₆ " 164.3cm	6,000 lb. 2,727 kg	476 lb. 216.4 kg
FHA-6-10-10	4 ¹¹ / ₁₆ " 11.9cm	120" 304.8cm	10" 25.4cm	96 ¹ / ₄ " 244.5cm	103 ¹ / ₈ " 261.9cm	130" 330.2cm	64 ¹¹ / ₁₆ " 164.3cm	6,000 lb. 2,727 kg	494 lb. 224.5 kg
FHA-6-12-10	7" 17.8cm	144" 365.8cm	12" 30.5cm	120 ¹ / ₄ " 305.4	127 ¹ / ₈ " 322.9cm	132" 335.3cm	64 ¹¹ / ₁₆ " 164.3cm	6,000 lb. 2,727 kg	775 lb. 352.3 kg
FHA-6-15-10	7" 17.8cm	180" 457.2cm	12" 30.5cm	156 ¹ / ₄ " 396.9cm	163 ¹ / ₈ " 414.3cm	132" 335.3cm	64 ¹¹ / ₁₆ " 164.3cm	6,000 lb. 2,727 kg	874 lb. 397.3 kg

Optional equipment	Description
FHA-STLO	Stationary leg option, set of 4 (factory installed)
FHA-STLO-RF	Stationary leg option, set of 4 (field installation)

Signal words:

This manual uses SIGNAL WORDS to indicate the likelihood that a particular action will cause personal injuries or property damage. Signal words also specify the level of seriousness of injury if the product is misused in the ways described. The following signal words are used in this manual.



Identifies a hazardous situation which, if not avoided, WILL result in DEATH or SERIOUS INJURY. Use of this signal word is limited to the most extreme situations.



Identifies a hazardous situation which, if not avoided, COULD result in DEATH or SERIOUS INJURY.



Indicates a hazardous situation which, if not avoided, COULD result in MINOR or MODERATE injury.



Identifies practices likely to result in product/property damage, such as operation that might damage the product.

Hazards of Improper Use:

VESTIL strives to identify foreseeable hazards associated with the use of its products. However, material handling is inherently dangerous and no manual can address every conceivable risk. The end-user ultimately is responsible for exercising sound judgment at all times.



Electrocution might result if the crane contacts electrified wires. Reduce the likelihood that an operator or bystander might be electrocuted by applying the following:

➤ **DO NOT** assemble or use the crane in an area where it might contact electrified wires.

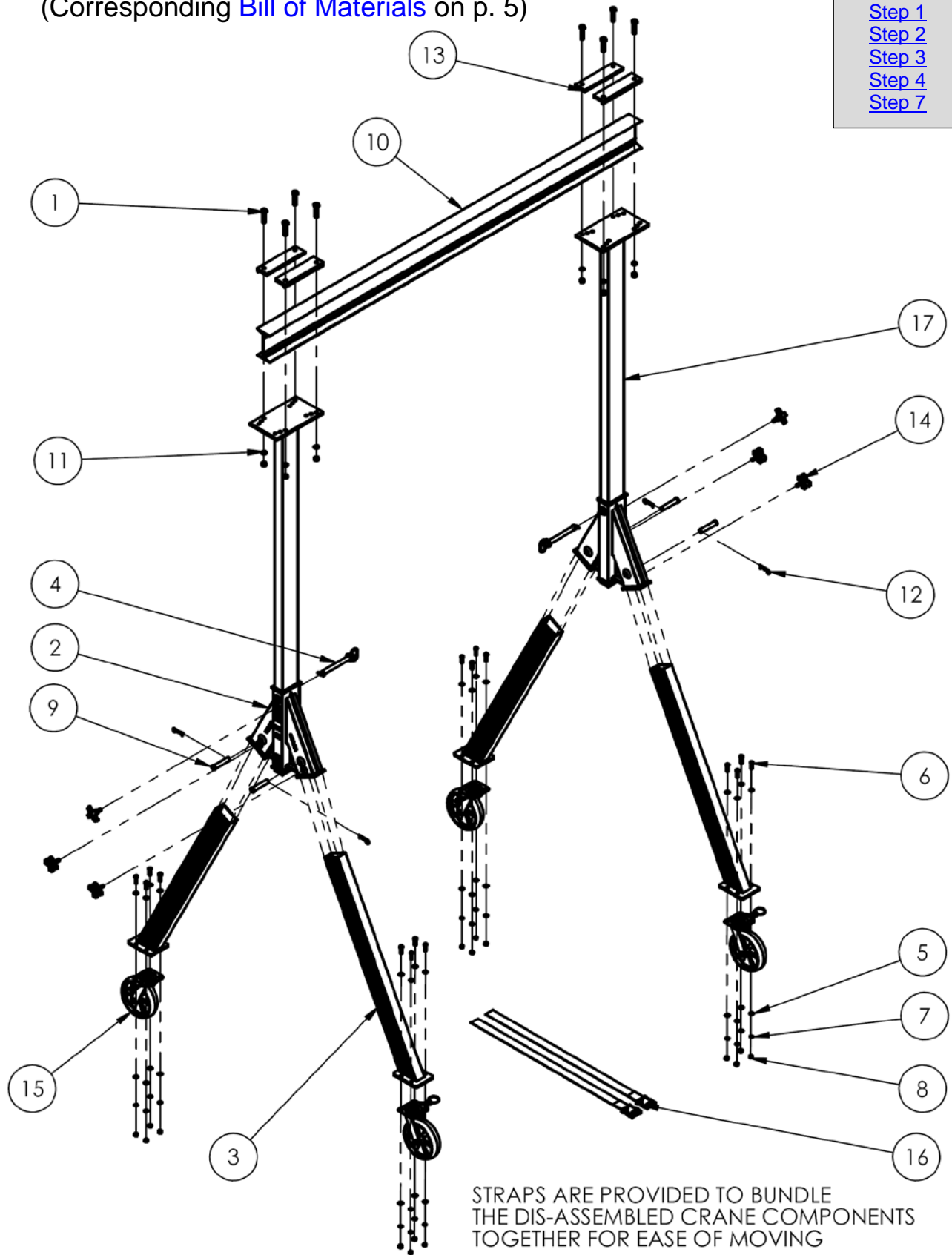


Material handling is dangerous. Improper or careless operation might result in serious personal injuries. To reduce the risk of injury:

- Before using the crane, always inspect the usage area for conditions that might require special precautions.
- **DO NOT** use a structurally damaged/malfunctioning crane. **ALWAYS** inspect the crane before each use according to the [Inspection & Maintenance](#) instructions on p. 12. **DO NOT** use the crane unless it passes every part of the prescribed inspection, i.e. do not use the crane if it is damaged.
- **DO NOT** try to lift a load that weighs more than the rated load of your crane model (see [Specifications](#) on p. 2; capacity labels on product; and [Labeling Diagram](#) on p. 13).
- **DO NOT** stand beneath or pass under the crane, *especially* while a load is suspended.
- Inform all persons in the area that you are going to use the crane; instruct them to stay clear of the crane and load.
- **DO NOT** allow people to sit, or ride, on the load or to climb on the crane.
- **ALWAYS** load the crane properly. Instructions are provided in [Loading the Crane](#) on p. 11. If the crane is improperly loaded, the load might swing as it lifts off of the ground. A swinging load might cause serious injury.
- **DO NOT** use the crane if any label (see [Labeling Diagram](#) on p. 13) is unreadable, damaged, or missing. Contact Vestil for replacement label(s) as needed.
- **DO NOT use the crane to transport loads. ONLY use the crane to lift loads!**

Exploded View: FHA-2 and FHA-4 (Corresponding [Bill of Materials](#) on p. 5)

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FHA-2 and FHA-4 Bill of Materials ([Exploded View](#) on p. 4)

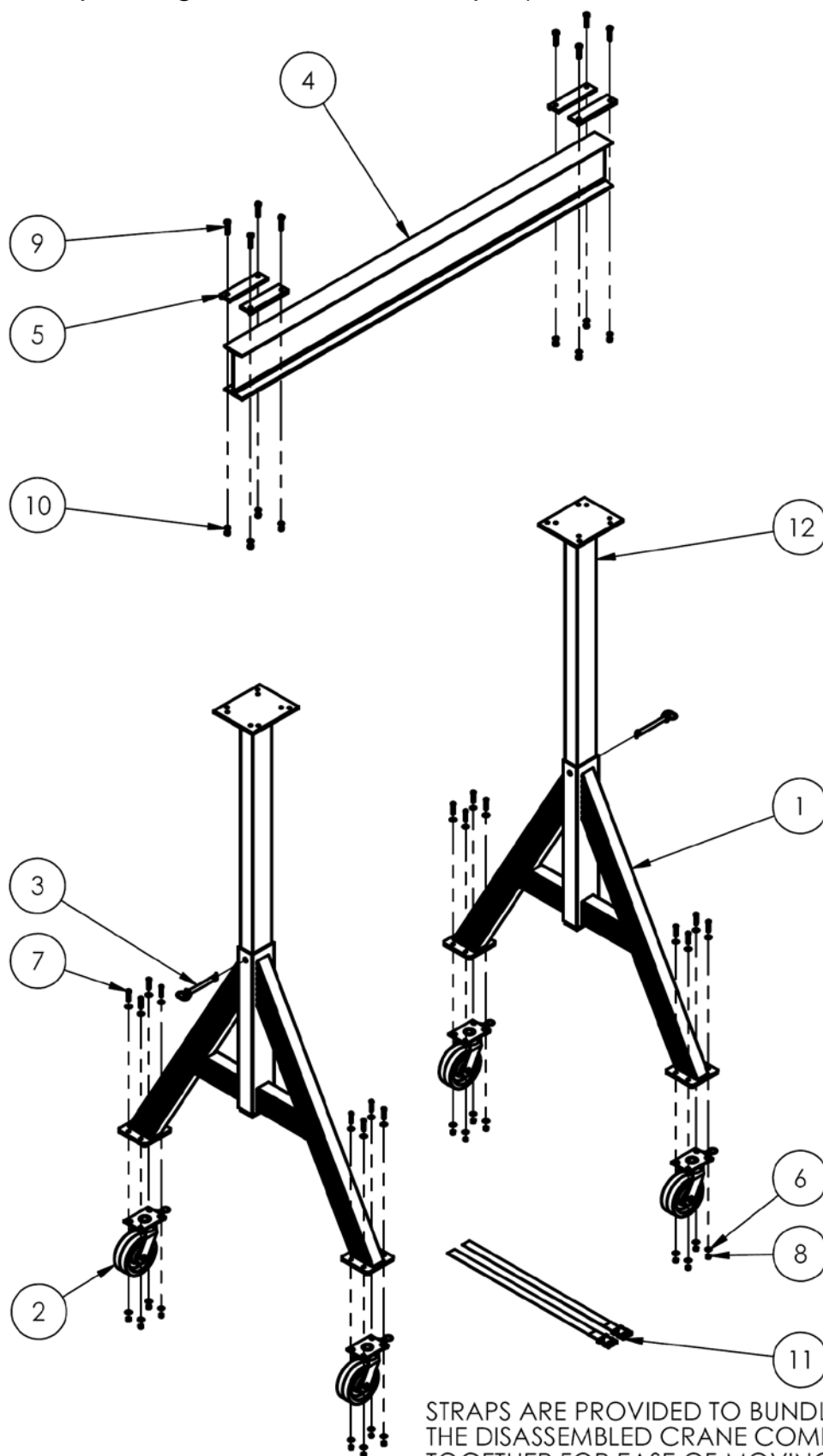
Item	Part no.	Description	Qty.
1	1134585	$\frac{1}{2}$ "-13 x 2 $\frac{1}{2}$ " A325 galvanized structural bolt and nut combo.	8
2	28-014-190	Yoke, casting, aluminum:	2
	28-014-272	2k gantry: FHA-2-8-10; FHA-2-10-10; FHA-2-12-10; FHA-2-15-10 4k gantry: FHA-4-8-10; FHA-4-10-10; FHA-4-12-10; FHA-4-15-10	2
3	28-514-220	Weldment, leg tube	4
	28-514-221	2k capacity: FHA-2-8-10; FHA-2-10-10; FHA-2-12-10; FHA-2-15-10 4k capacity: FHA-4-8-10; FHA-4-10-10; FHA-4-12-10; FHA-4-15-10	4
4	28-112-007	Hardware, retaining pin, $\frac{3}{4}$ " x 6 $\frac{5}{8}$ "	2
5	33082	Washer, $\frac{3}{8}$ " zinc plated SAE flat washer	32
6	11107	Hex bolt, grade A, zinc finish, $\frac{3}{8}$ "-16 x 1 $\frac{1}{4}$ "	16
7	33622	Split lock washer, carbon steel, medium zinc finish, $\frac{3}{8}$ "	16
8	36106	Hex nut, grade A, zinc plated, $\frac{3}{8}$ "-16	16
9	33-112-034	Clevis pin, zinc plated:	4
	28-112-031	$\frac{3}{4}$ "x 3 $\frac{3}{4}$ ": FHA-2-8-10; FHA-2-10-10; FHA-2-12-10; FHA-2-15-10 $\frac{3}{4}$ "x 4 $\frac{1}{2}$ ": FHA-4-8-10; FHA-4-10-10; FHA-4-12-10; FHA-4-15-10	4
10	28-014-986-001	Frame, I-beam extrusion:	
	28-014-986-002	FHA-2-8-10	1
	28-014-987-002	FHA-2-10-10	1
	28-014-988-004	FHA-2-12-10	1
	28-014-987-001	FHA-2-15-10	1
	28-014-988-001	FHA-4-8-10	1
	28-014-988-002	FHA-4-10-10	1
11	28-014-988-002	FHA-4-12-10	
	28-014-236	FHA-4-15-10	
11	33626	Lock washer, zinc plated, $\frac{1}{2}$ "	8
12	45286	#11 hitch pin clip, $\frac{1}{8}$ " x 2 $\frac{5}{8}$ "	4
13	28-516-054	Weldment, I-beam clamp	4
14	08-028-007	Knob, $\frac{3}{8}$ "-16 UNC thread x 1 $\frac{1}{4}$ "	6
15	16-132-249	Caster, locking	4
16	28-025-003	Strap	2
17	28-514-291	Weldment, frame, upright:	2
	28-514-292	2k capacity: FHA-2-8-10; FHA-2-10-10; FHA-2-12-10; FHA-2-15-10 4k capacity: FHA-4-8-10; FHA-4-10-10; FHA-4-12-10; FHA-4-15-10	2

FHA-6 Bill of Materials ([Exploded View](#) on p. 6)

Item	Part no.	Description	Qty.
1	28-514-89	Frame, leg set, weldment	2
2	16-132-064	8" x 3" phenolic 4-way swivel locking caster	4
3	28-112-007	Hardware, retaining pin, $\frac{3}{4}$ " x 6 $\frac{5}{8}$ "	2
4	28-014-355	Frame, I-beam extrusion:	1
	28-014-356	FHA-6-8-10 (10" aluminum)	1
	28-014-357	FHA-6-10-10 (10" aluminum)	1
	28-014-358	FHA-6-12-10 (12" heavy duty aluminum) FHA-6-15-10 (12" heavy duty aluminum)	1
5	28-516-054	Weldment, I-beam clamp	4
	28-516-061	FHA-6-8-10 & FHA-6-10-10 FHA-6-12-10 & FHA-6-15-10	4
6	33008	Flat washer, low carbon, USS, zinc plated, $\frac{3}{8}$ "	32
7	11111	Hex bolt, grade A, zinc plated, $\frac{3}{4}$ "-16 x 2"	16
8	37024	Nylon insert lock nut, grade 2, zinc finish, $\frac{3}{4}$ "-16	16
9	1134685	$\frac{1}{2}$ "-13 x 2 $\frac{1}{2}$ " A325 galvanized structural bolt and nut combo.	8
10	33626	Lock washer, zinc plated, $\frac{1}{2}$ "	8
11	28-025-003	Strap	2
12	28-514-293	Weldment, frame, upright	2

Exploded View: FHA-6 (Corresponding [Bill of Materials](#) on p. 5)

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Assembly instructions:

NOTE: Numbers in parentheses () correspond to parts numbers in the *Exploded Views* on pages 4 & 6.

⚠ WARNING

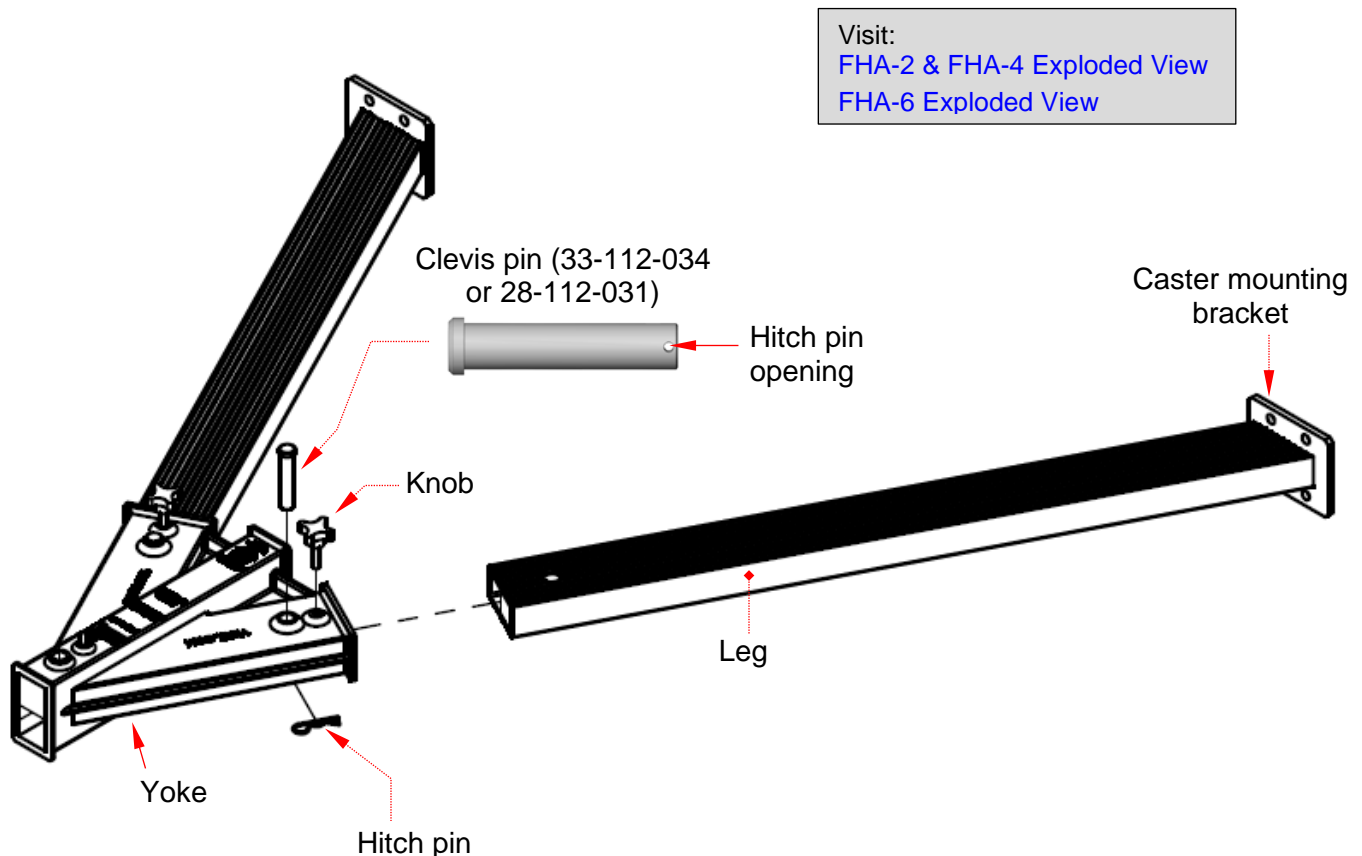
If the crane is improperly assembled, it might malfunction and result in serious personal injuries. Read this instruction manual in its entirety before assembling the crane.

- ONLY qualified personnel should assemble the crane.
- **DO NOT** modify the crane in any way. Unapproved modifications might make the crane unsafe to use and automatically void the *Limited Warranty* (see p. 14).
- **DO NOT** use the crane if you notice that the beam, uprights, casters or any part of the leg assemblies are damaged. Damage might weaken the crane and result in crane collapse.
- **DO NOT** use the crane if any of the hardware (bolts, nuts, clamps, etc.) is damaged or missing. Contact our Technical Service and Parts Department at (260) 665-7586 to order replacement parts.
- **DO NOT** use the crane if any of the casters are damaged. A damaged caster may cause the crane to tip over while loaded or unloaded. The crane is more likely to tip while it supports a load.

NOTICE

- Modifying the crane in any way automatically voids the *Limited Warranty*.
- This crane can be used outdoors. However, it should be sheltered from the weather when not in use.
- Inspect the crane for damage before each use as described in *Inspections & Maintenance*.

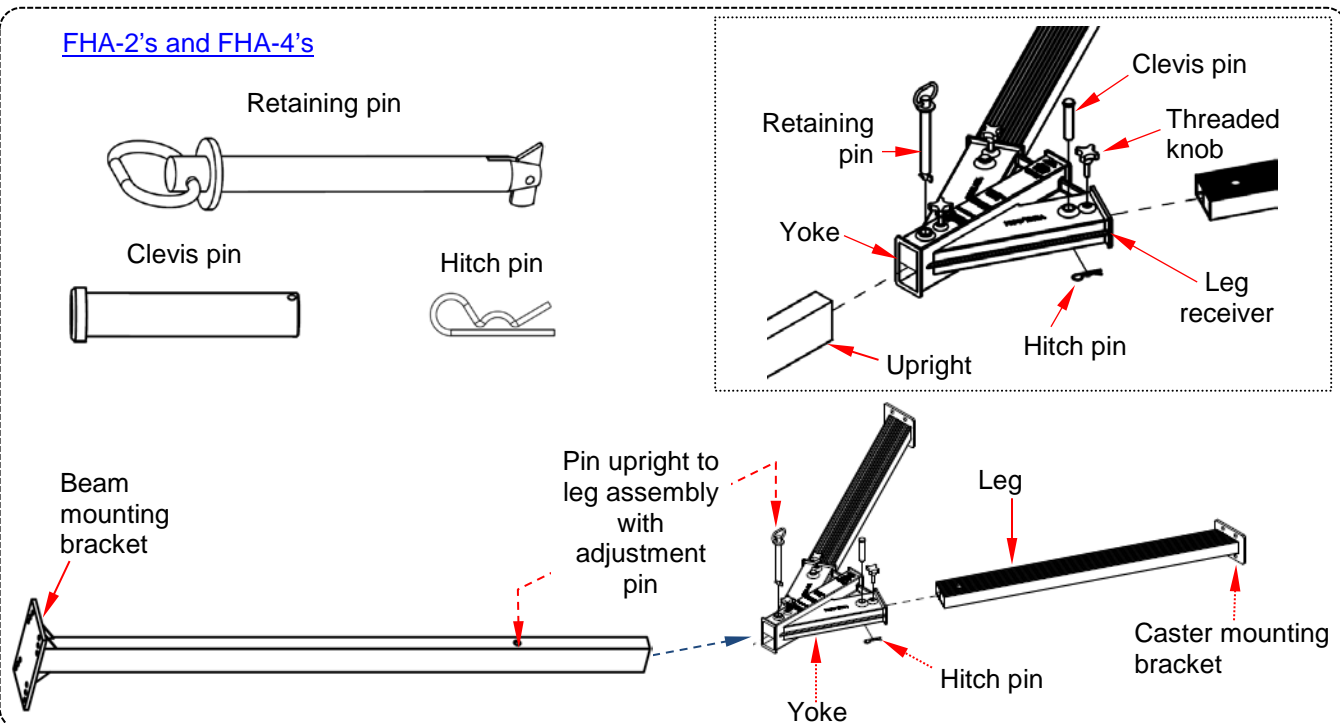
Step 1: [This step only applies to FHA-2-#-10 and FHA-4-#-10 model cranes] Attach the leg weldments and yokes. Insert the end of each leg into one of the leg openings in the yoke as shown below. Fasten the legs to the yoke with clevis pins (33-112-034 for all FHA-2's OR 28-112-031 for all FHA-4's) and secure the clevis pins with hitch clips (45286). Wind a knob (08-025-007) into the yoke until the end of the knob presses firmly against the leg.



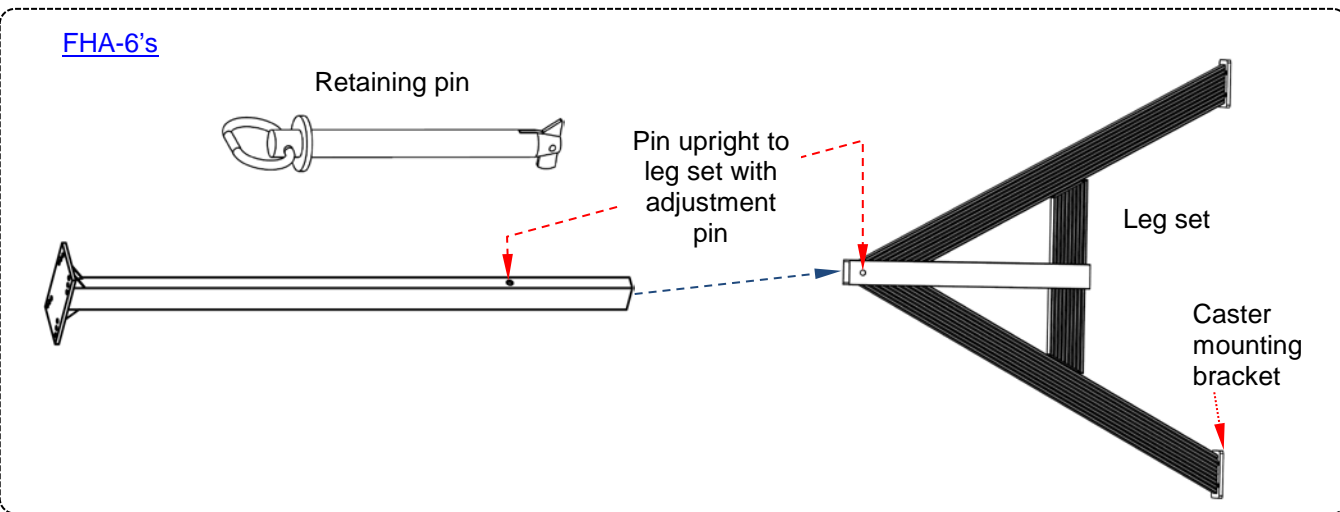
Step 2: Fasten uprights to leg assemblies (FHA-6-#-# models) or yokes (FHA-2-#-10 and FHA-4-#-10 models).

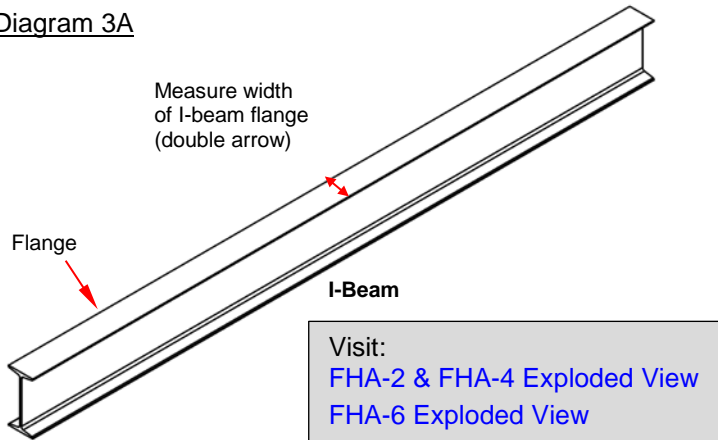
Insert an upright into the receivers of each yoke (FHA-2 & FHA-4) or leg set (FHA-6). Align the pinhole in the upright with the pinhole in the leg receiver. Pin the components together with adjustment pins. See the diagrams below and the applicable *Exploded View* on either [p. 4](#) or [p. 6](#).

FHA-2's and FHA-4's



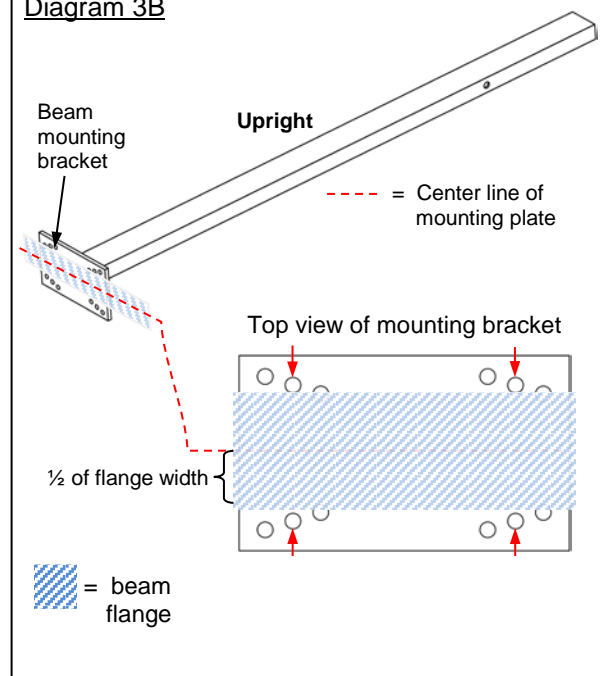
FHA-6's



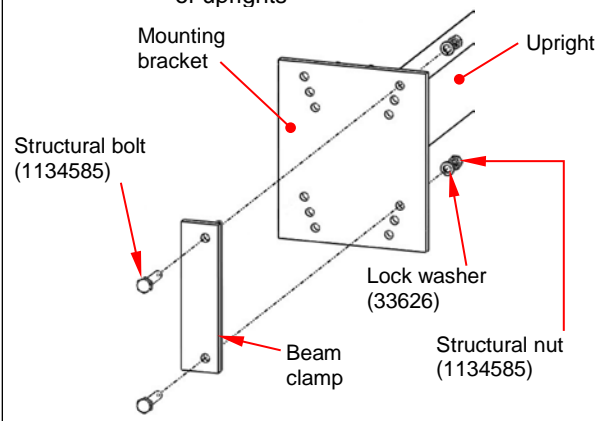
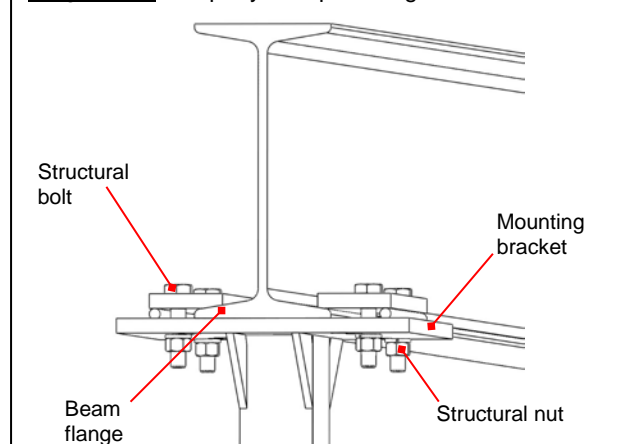
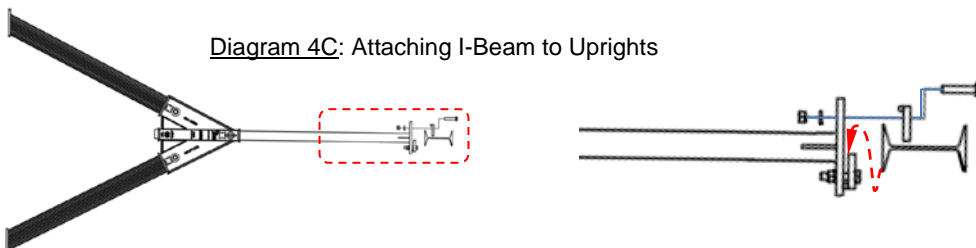
Step 3: Attach the uprights to the I-beam**Diagram 3A**

1. Measure the width of the I-beam flange. See Diagram 3A.
2. Mark the centerline of the mounting bracket (of an upright) and measure half the width of the flange on either side of the centerline. (See Diagram 3B).
3. Identify the 4 bolt holes in the bracket that lie just outside the width of the beam flange.

NOTE: The mounting brackets FHA-2's and FHA-4's have 3 sets of 3 holes. Mounting brackets of FHA-6's have 3 sets of 2 holes.

Diagram 3B**Step 4: Fasten the uprights to the I-beam. [Refer to [FHA-2 & FHA-4 Exploded View](#) or [FHA-6 Exploded View](#)]**

- a. As shown in Diagram 4A, attach 1 beam clamp to an upright. Insert bolts (1134585) through the beam clamp bolt holes and through the selected bolt holes in the mounting bracket. Put a lock washer on each bolt. Secure the bolts with nuts (1134585). Do not fully tighten the nuts at this point. Fasten another beam clamp to the other upright in the same manner.
- b. Insert the flange of the I-beam into the gap between the beam clamp and the mounting bracket. See dashed red arrow in Diagram 4C.
- c. Install another beam clamp on the other side of the beam to secure the flange on both sides. See blue line in Diagram 4C. Diagram 4B shows the spatial relationships of the beam clamp, beam flange, and mounting bracket.

Diagram 4A: Clamp I-beam flange to beam brackets of uprights**Diagram 4B: Properly clamped flange****Diagram 4C: Attaching I-Beam to Uprights**

Step 5: Make sure that the I-beam is centered on the mounting plate of each upright. Beam clamps should significantly overlap the flange on both sides. Tighten the nuts to 50 - 52 ft·lb of torque.

Step 6: Stand the crane on its feet.

Rotate the crane onto its feet in a controlled manner. [E.g. 1) Attach a hoist chain to the I-beam and slowly raise the beam until the crane rotates onto its feet. 2) Raise the crane with a fork truck. Drive the forks under the middle of the beam. Slowly raise the forks and drive forward until the crane rotates onto its feet.]

Step 7: Connect casters to the legs. [Refer to [FHA-2 & FHA-4 Exploded View](#) or [FHA-6 Exploded View](#)]

Attach a caster to the caster brackets of each leg using the hardware shown in Diagrams 7A & 7B (diagrams show standard casters). Raise the crane 8 to 10 inches from the ground with a fork lift or hoist. Position a caster underneath each foot as shown in the applicable diagram below. Fasten it to the caster mount bracket.

Diagram 7A: Caster installation for 2,000 lb. and 4,000 lb. capacity models FHA-2-#-10 and FHA-4-#-10

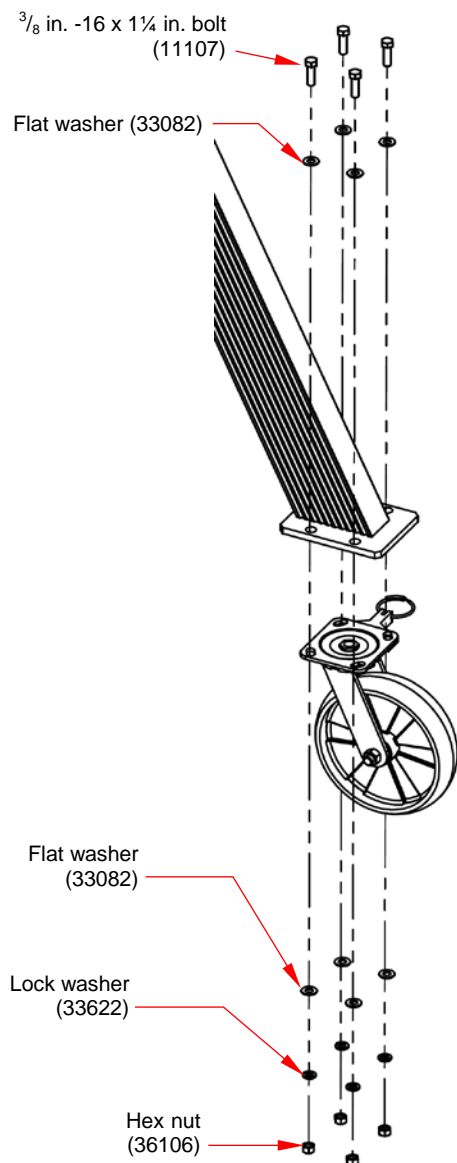
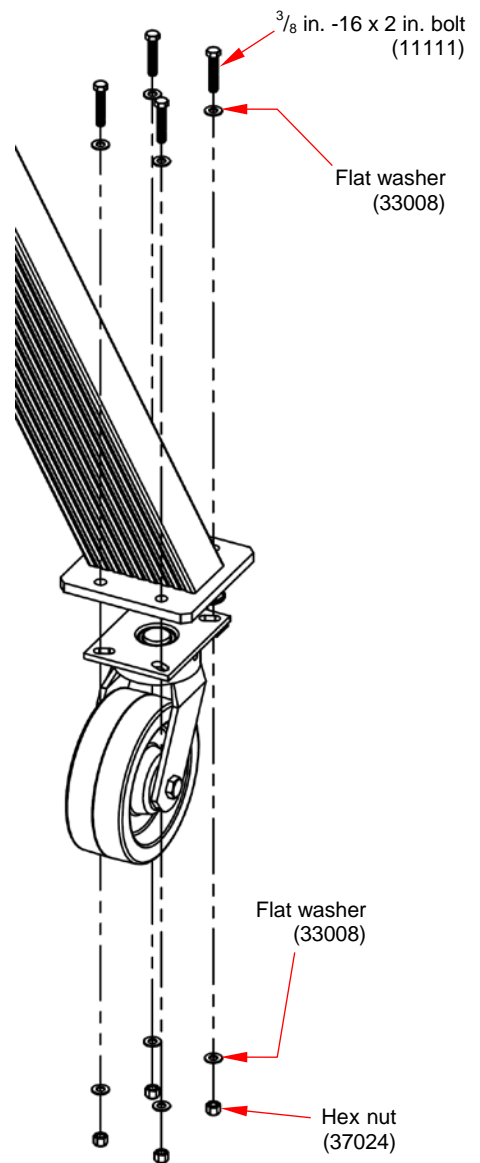


Diagram 7B: Caster installation for 6,000 lb. capacity models (AHA-6-#-#)



Using the crane:

Before using the crane for the first time, perform the *Initial Inspection* described on p. 12.

⚠ WARNING

Improper use of this crane could result in serious personal injuries or death.

- Only use this crane if you are qualified and trained to use it. The operating instructions in this manual *supplement* safe crane and hoist operation practices learned during your training program.
- Always apply the procedures learned from your crane training program.
- Instruct all other persons to remain at a safe distance while the crane is in use.
- Always follow the instructions provided with your rigging, hoist, trolley, etc. The net weight applied to the crane must be less than or equal to your crane's capacity. Add the combined weight of all equipment attached to the crane, NOT JUST THE LOAD, to determine net weight.
- BEFORE a load is connected to the hoist, lock or immobilize the casters.
- Only use this crane on intact, level, concrete surfaces.
- Remove the crane from service and notify your supervisor and authorized maintenance personnel if: 1) you observe any damage or hear unusual noise during operation; or 2) you observe any warping or deformation of the beam or beam flange, uprights, legs, yokes, load hook or chain/cable.

Loading the crane:

Position the trolley and hoist directly above the load. Adjust position so that the centers of the trolley and hoist are directly above the load center. Proper positioning is illustrated in Diagrams 8A & 8B.

Connect the load to the hoist chain/cable. Raise the load only as high as is necessary to position it. Once the load is positioned over the work location as desired, lower the load until it is fully supported by the ground or work surface. Disconnect the load from the hoist.

If you must move the load to a different location, move the crane and load separately. Only use the crane to lift loads.

Diagram 8A: Center the hoist above the load center.

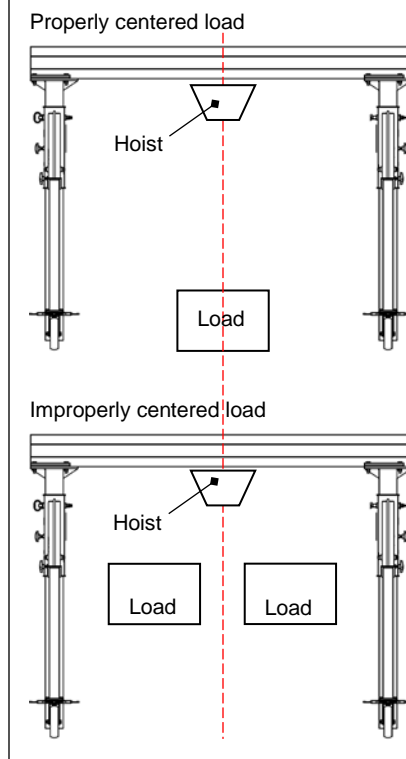
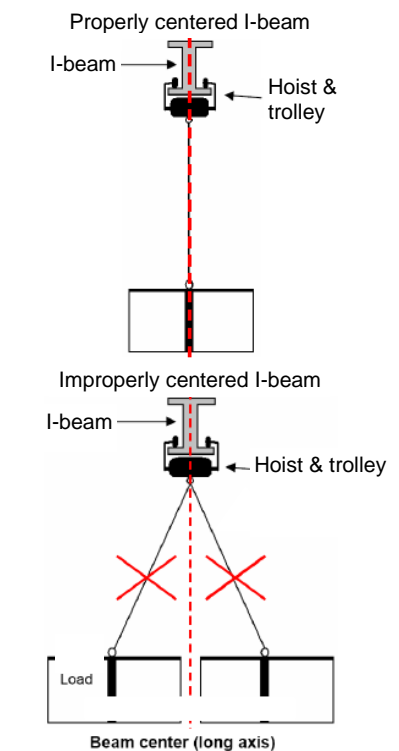


Diagram 8B: Center the I-beam above the center of the load.



Inspections & Maintenance:

Apply Occupational Safety and Health Administration (OSHA) crane inspection procedures in 29 CFR 1910.179. Visit the OSHA website at <https://www.osha.gov/> and navigate to “Regulations”; then to “General Industry” standard 1910.179 (“Rule 179”). Contact the occupational safety and health authority in your state to determine if state laws and/or regulations apply additional requirements. 29 CFR 1910.179(j) (“Rule 179, subpart j”) describes the inspections the end user is responsible for performing on this crane. Rule 179, subpart j is summarized below. However, you should obtain a complete copy of Rule 179.

1. **Initial inspection** — before a new or modified crane may be used for the first time, it must be inspected to insure normal condition. Conduct a “Frequent inspection” as described next.

After the first use, the crane end-user/owner must conduct the following 2 types of inspection:

2. **Frequent inspection** [29 CFR 1910.179(j)(1)(ii)(a)] — Daily to monthly intervals.

The following items shall be inspected for defects at the intervals specifically indicated, including observation *during operation* for any defects which might appear between inspections. All deficiencies such as those listed shall be carefully examined to determine whether they constitute a safety hazard:

- **[Inspect daily]** All functional operating mechanisms (wheels/casters, adjustable uprights, leg tubes, pins, and yokes) for maladjustment interfering with proper operation. Verify that the wheels/casters roll smoothly by pushing/pulling the crane 4-6 feet in one direction.
- **[Inspect daily]** Look for deterioration or leakage in lines, tanks, valves, drain pumps, and other parts of air or hydraulic systems. [not applicable]
- **[Inspect daily (visually); inspect monthly and make 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]** Hooks with deformation or cracks. Immediately discard hooks with cracks or that have a throat opening that is more than 15 percent in excess of normal throat opening, or that are twisted more than 10° from the plane of the unbent hook.
- **[Inspect daily (visually); 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]** Hoist chains, including end connections, for excessive wear, twist, distorted links interfering with proper function, or stretch beyond hoist manufacturer's recommendations.
- **[Inspect weekly]** All functional operating mechanisms (wheels/casters, adjustable uprights, leg tubes, pins, and yokes, bolts and nuts, including anchor bolts and nuts) for excessive wear.
- **[Inspect weekly]** Rope reeving for noncompliance with hoist manufacturer's recommendations.

3. **Periodic inspection** [29 CFR 1910.179(j)(1)(ii)(b)] — 1 to 12-month intervals.

Complete inspections of the crane shall be performed at intervals depending upon its activity, severity of service, and environment, or as specifically indicated below. Perform all of the requirements described for frequent inspections and the following bulleted items. Carefully examine the crane for any problems such as those listed below to determine whether they constitute a safety hazard:

- Deformed, cracked, or corroded members.
- Loose bolts or rivets.
- Cracked or worn sheaves and drums.
- Worn, cracked or distorted parts such as pins, bearings, shafts, gears, rollers, locking and clamping devices.
- Excessive wear on brake system parts, linings, pawls, and ratchets.
- Load, wind, and other indicators over their full range, for any significant inaccuracies.
- Gasoline, diesel, electric, or other power plants for improper performance or noncompliance with applicable safety requirements.
- Excessive wear of chain drive sprockets and excessive chain stretch.
- Electrical apparatus, for signs of pitting or any deterioration of controller contactors, limit switches and pushbutton stations.

Cranes not in regular use: for each of the 3 bullet points below, in addition to the *crane* inspection all rope which has been idle for a period of a month or more due to shutdown or storage of a crane on which it is installed must be given a thorough inspection before it is used. An appointed person, whose approval is required before the rope may be used, must inspect the rope for all types of deterioration. A certification record must be available for inspection. The record must include at least the date of inspection, the signature of the person who performed the inspection and an identifier for the rope inspected.

- A crane which has been idle for a period of 1 month or more, but less than 6 months, shall undergo a “Frequent inspection” before being returned to service.
- A crane which has been idle for a period of over 6 months shall be given a “Complete inspection” before placing in service.
- Standby cranes shall be given a “Frequent inspection” at least semi-annually (twice per year; 1 inspection each 6 months).

Labeling diagram:

The crane should be labeled as shown in the diagram. However, label content and location are subject to change so your product might not be labeled exactly as shown. Replace all labels that are damaged, missing, or not easily readable (e.g. faded). To order replacement labels, contact the technical service and parts department online at http://www.vestilmfg.com/parts_info.htm. Alternatively, you may request replacement parts and/or service by calling (260) 665-7586 and asking the operator to connect you to the Parts Department

Label 256:

⚠ WARNING

- Lock all wheels in perpendicular position to one another before loading.
- Check for damage and be sure all hardware is tight before each use. Remove from service and repair immediately if necessary.
- Never exceed capacity printed on I-Beam.
- Never move or load unless both height adjustment pins are fully inserted.
- Never cantilever loads off of one end.
- Always include weight of hoist and trolley when calculating load.
- Use on level concrete or equal surface.
- Stand clear of hanging tools.
- Keep clear of all overhead obstructions especially electrical equipment when moving gantry.
- See owners manual for inspection and testing requirements.
- DO NOT MOVE Gantry Crane with load suspended

⚠ ADVERTENCIA

- Asegure todas las ruedas en la posición perpendicular antes de cargar la unidad.
- Compruebe por daños y asegure que toda la ferretería está sujeta antes de cada uso. Retire del servicio y repare inmediatamente si es necesario.
- Nunca exceda la capacidad impresa en la viga I.
- Nunca mueva o cargue la unidad a no ser que ambos pasadores de ajuste de altura estén completamente insertos.
- Nunca deje que la carga sobresalga en un solo extremo.
- Siempre incluya el peso de la grúa y la carretilla cuando se calcule la carga.
- Use en cemento a nivel o en una superficie equivalente.
- Manténgase alejado de herramientas que cuelguen.
- Manténgase alejado de todas las obstrucciones en lo alto especialmente equipos eléctricos cuando se mueva la grúa.
- Vea el manual del propietario para los requisitos de inspección y pruebas.
- NO MUEVA La grúa de caballete con la carga suspendida

⚠ AVERTISSEMENT

- Bloquer chaque roue en position perpendiculaire a une autre avant de charger.
- Contrôler tout dommage et s'assurer que tout le matériel soit bien serré avant chaque utilisation. Retirer du service et réparer immédiatement si nécessaire.
- Ne jamais excéder la capacité imprimée sur la poutre.
- Ne jamais déplacer ou charger sans que les deux goupilles d'ajustement de hauteur ne soient complètement insérées.
- Ne jamais cantilever les charges d'une des extrémités.
- Toujours inclure le poids de levage et de charriage pour calculer la charge.
- Utiliser sur un ciment à niveau ou sur une surface équivalente.
- Vous écarter de tout outil pendant.
- Éviter toutes les obstructions élevées, surtout l'équipement électrique, pendant le mouvement du portique.
- Voir le guide d'utilisation pour les impératifs d'inspection et de vérification.
- NE PAS DÉPLACER portique avec chargement suspendu

256 Rev0811

Label 397:

2,000 / 907
POUNDS KILOGRAMS

OR

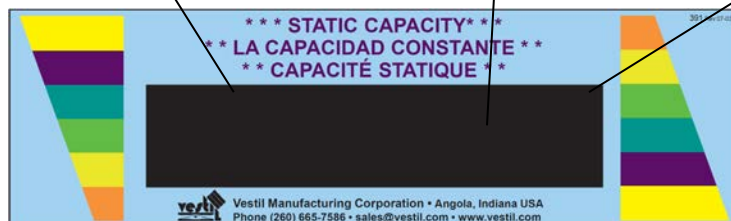
Label 398:

4,000 / 1,814
POUNDS KILOGRAMS

OR

Label 400:

6,000 / 2,721
POUNDS KILOGRAMS



(Both Sides of I-Beam) Label 391



Label 532:

STATIC CAPACITY
LA CAPACIDAD
CONSTANTE
CAPACITÉ STATIQUE

STATIC CAPACITY
LA CAPACIDAD
CONSTANTE
CAPACITÉ STATIQUE

Vestil Manufacturing Corporation
Phone (260) 665-7586
sales@vestil.com www.vestil.com
532 • Revised 06/03

Label 649:

⚠ WARNING

DO NOT MOVE
Gantry Crane with load
suspended

⚠ ADVERTENCIA

NO MUEVA
La grúa de caballete con
la carga suspendida

⚠ ATTENTION

NE PAS DÉPLACER
portique avec
chargement suspendu

649, 0314

Label 420:

6,000 LBS.
2,721 KGS.
420
Revised 06-03

OR

Label 601:

1,500 LBS.
680 KGS.
601
Revised 06-03

OR

Label 395:

2,000 LBS.
907 KGS.
395
Revised 06-03

OR

Label 392:

4,000 LBS.
1,814 KGS.
392
Revised 06-03

LIMITED WARRANTY

Vestil Manufacturing Corporation ("Vestil") warrants this product to be free of defects in material and workmanship during the warranty period. Our warranty obligation is to provide a replacement for a defective, original part covered by the warranty after we receive a proper request from the Warrantee (you) for warranty service.

Who may request service?

Only a warrantee may request service. You are a warrantee if you purchased the product from Vestil or from an authorized distributor AND Vestil has been fully paid.

Definition of "original part"?

An original part is a part used to make the product as shipped to the Warrantee.

What is a "proper request"?

A request for warranty service is proper if Vestil receives: 1) a photocopy of the Customer Invoice that displays the shipping date; AND 2) a written request for warranty service including your name and phone number. Send requests by one of the following methods:

<u>US Mail</u>	<u>Fax</u>	<u>Email</u>
Vestil Manufacturing Corporation 2999 North Wayne Street, PO Box 507 Angola, IN 46703	(260) 665-1339 <u>Phone</u> (260) 665-7586	info@vestil.com Enter "Warranty service request" in subject field.

In the written request, list the parts believed to be defective and include the address where replacements should be delivered. After Vestil receives your request for warranty service, an authorized representative will contact you to determine whether your claim is covered by the warranty. Before providing warranty service, Vestil will require you to send the entire product, or just the defective part (or parts), to its facility in Angola, IN.

What is covered under the warranty?

The warranty covers defects in the following original, dynamic parts: motors, hydraulic pumps, motor controllers, and cylinders. It also covers defects in original parts that wear under normal usage conditions ("wearing parts"), such as bearings, hoses, wheels, seals, brushes, and batteries.

How long is the warranty period?

The warranty period for original dynamic components is 1 year. For wearing parts, the warranty period is 90 days. Both warranty periods begin on the date Vestil ships the product to the Warrantee. If the product was purchased from an authorized distributor, the periods begin when the distributor ships the product. Vestil may, at its sole discretion, extend a warranty period for products shipped from authorized distributors by up to 30 days to account for shipping time.

If a defective part is covered by the warranty, what will Vestil do to correct the problem?

Vestil will provide an appropriate replacement for any *covered* part. An authorized representative of Vestil will contact you to discuss your claim.

What is not covered by the warranty?

The Warrantee (you) is responsible for paying labor costs and freight costs to return the product to Vestil for warranty service.

Events that automatically void this Limited Warranty.

- Misuse;
- Negligent assembly, installation, operation or repair;
- Installation/use in corrosive environments;
- Inadequate or improper maintenance;
- Damage sustained during shipping;
- Collisions or other accidents that damage the product;
- Unauthorized modifications: Do not modify the product IN ANY WAY without first receiving written authorization from Vestil.

Do any other warranties apply to the product?

Vestil Manufacturing Corp. makes no other express warranties. All implied warranties are disclaimed to the extent allowed by law. Any implied warranty not disclaimed is limited in scope to the terms of this Limited Warranty. Vestil makes no warranty or representation that this product complies with any state or local design, performance, or safety code or standard. Noncompliance with any such code or standard is not a defect.

