



## Vestil Manufacturing Corp.

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### LM-HP-Series Load Hook Fork Attachments 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.

#### Technical Service:





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](http://www.vestilmfg.com/parts_info.htm).

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## Signal Words

This manual classifies personal injury risks and situations that might cause property damage with signal words. Signal words indicate the seriousness of injuries that might result if a particular act does, or does not, occur.

	<b>Identifies a hazardous situation which, if not avoided, <u>WILL</u> result in DEATH or SERIOUS INJURY. Use of this signal word is limited to the most extreme situations.</b>
	<b>Identifies a hazardous situation which, if not avoided, <u>COULD</u> result in DEATH or SERIOUS INJURY.</b>
	<b>Indicates a hazardous situation which, if not avoided, <u>COULD</u> result in MINOR or MODERATE injury.</b>
	<b>Identifies practices likely to result in product/property damage, such as operation that might damage the boom.</b>

## Hazards

We strive to identify all hazards associated with the use of our products. However, material handling is dangerous and no manual can address every risk. The most effective way to avoid injury is for the end-user to exercise sound judgment whenever using this product.

	Material handling is dangerous. Improper or careless use of this device might result in serious personal injuries.
<ul style="list-style-type: none"> <li>• Read and understand the entire manual before installing, using or servicing this fork attachment. Read the manual to refresh your understanding of proper installation, use, and maintenance procedures whenever necessary.</li> <li>• DO NOT attempt to resolve problems with the attachment unless you are authorized to do so and are <u>certain</u> that it will be safe to use afterwards. Contact <a href="#">Technical Service</a> if you are uncertain whether the attachment should be used.</li> <li>• Always inspect the attachment before using it. DO NOT use it unless it is in <a href="#">Original Condition</a>. If you notice damage to any part of the attachment including the nylon safety strap, tag the unit “Out of Service”. DO NOT use the attachment until it is restored to original condition.</li> <li>• Only <b>lift</b> with this device. DO NOT use the attachment to pull/drag.</li> <li>• DO NOT use this product to lift people.</li> <li>• Rigging must be properly attached to the load and hook before lifting the load. Be certain that the load is balanced to avoid load swing.</li> <li>• DO NOT leave an elevated load unattended.</li> <li>• DO NOT use this attachment to lift (or move) a load that is unstable when elevated.</li> <li>• <u>DO NOT attempt to lift a load that weighs more than the capacity of the attachment OR the lift truck, whichever is smaller.</u> The capacity of your attachment appears on tag 993. The tag is attached to the product as shown in the <a href="#">Labeling Diagram</a>.</li> <li>• DO NOT elevate any load more than a few inches above the ground except as necessary to avoid contact with objects in the path of travel.</li> <li>• DO NOT raise a load over people or allow anyone to stand or reach beneath a suspended load.</li> <li>• DO NOT modify this product in any way. A “modification” is a change that alters the product from original condition, like bending the hook plate or removing parts. <b>Unauthorized modifications automatically void the <a href="#">Limited Warranty</a> (see p. 4) and might make the product unsafe to use.</b></li> <li>• Store the LM-HP in a dry location.</li> </ul>	

## Labeling Diagram

The unit 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). Order replacement labels by contacting [Technical Service](#) online at [http://www.vestilmfg.com/parts\\_info.htm](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.



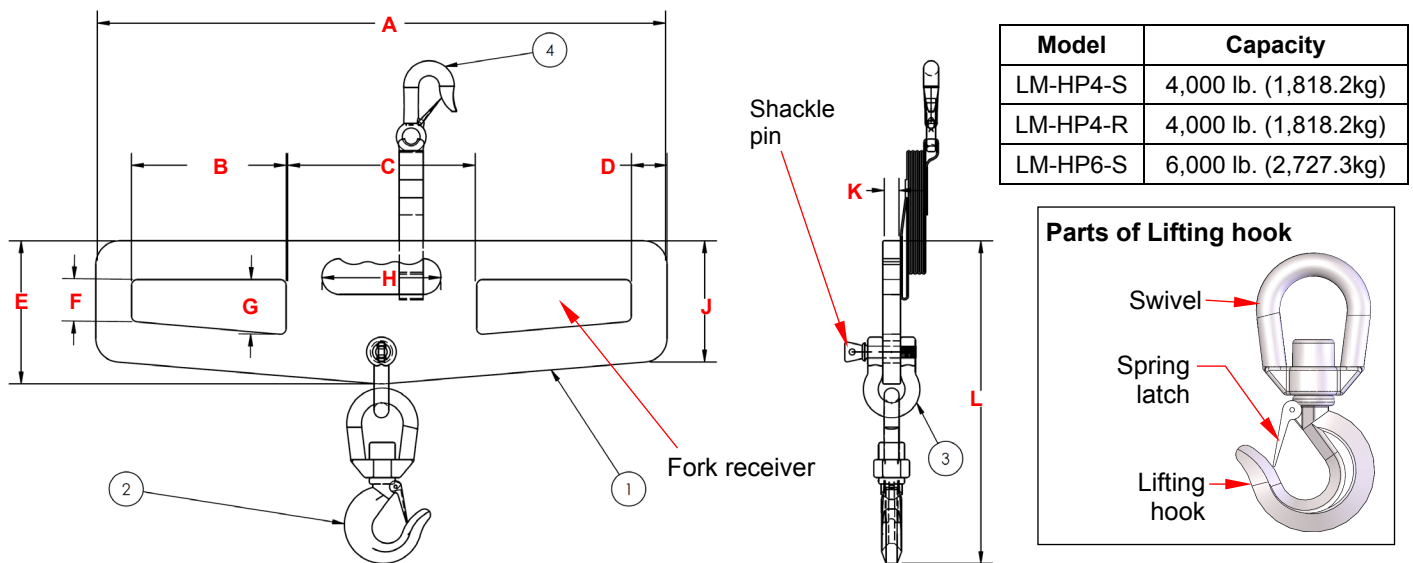
Tag 993: Obverse side - Product specifications  
[Tag attaches to handle of unit via zip-tie]

Model No. _____	Serial No. _____
No. Modelo _____	No. Serie _____
Capacity _____ lb.	Lifter Weight _____ lb.
Capacidad _____ kg	Peso del Elevador _____ kg
BTH-1 Design Category: B	BTH-1 Service Category: 1
BTH-1 Categoría de Diseño: B	BTH-1 Categoría de Servicio: 1
Read Owners Manual for product safety warnings	
Lea Manual de Proprietarios para advertencias de seguridad de producto	
993 rev 1018	

Tag 993: Reverse side – Safety messages

⚠ WARNING	⚠ ADVERTENCIA
DO NOT exceed rated capacity.	NO exceda la capacidad tasada.
DO NOT use if damaged, malfunctioning, or missing parts.	NO USE si las partes están dañadas, no funcionan correctamente o faltan partes.
DO NOT lift people OR lift loads over people.	NO eleve al personal o eleve cargas sobre el personal.
DO NOT raise load higher than necessary.	NO eleve la carga más alto de lo necesario.
DO NOT leave a suspended load unattended.	NO deje desatendida una carga que este suspendida.
DO NOT use filter unless you read and understand the owner's manual.	NO use el elevador a no ser que haya leído y entendido las instrucciones del manual del propietario.
DO NOT alter OR modify filter.	NO altere o modifique el elevador.
DO NOT remove OR obscure any label.	NO quite u oscurezca ninguna etiqueta.
STAY CLEAR of suspended loads.	MANTENGASE alejado de las cargas suspendidas.
Secure load before using this device.	Asegure la carga antes de usar este dispositivo.

## Parts Diagram, Dimensions, and Bill of Materials



Item no.	Part no.	Description	Quantity
1	08-028-034	Fork hook plate	1
2	08-145-001	Lifting hook: LM-HP4 [2-ton capacity (4,000 lb.)]	1
	08-145-002	LM-HP6 [3-ton capacity (6,000 lb.)]	1
3	08-145-003	Shackle: LM-HP4 [2-ton capacity (4,000 lb.)]	1
	08-145-004	LM-HP6 [3-ton capacity (6,000 lb.)]	1
4	08-145-028	Safety strap with hook	1

Model	Hook type	A	B	C	D	E	F	G	H	J	K	L
LM-HP4-S	Swivel	24in. 61cm	6 <sup>1</sup> / <sub>2</sub> in. 16.5cm	8in. 20.3cm	1 <sup>1</sup> / <sub>2</sub> in. 3.8cm	6 in. 15.2cm	1 <sup>3</sup> / <sub>4</sub> in. 4.4cm	2 <sup>1</sup> / <sub>4</sub> in. 5.7cm	5in. 12.7cm	5in. 12.7cm	<sup>3</sup> / <sub>4</sub> in. 1.9cm	13 <sup>1</sup> / <sub>2</sub> in. 34.3cm
LM-HP4-R	Rigid	24in. 61cm	6 <sup>1</sup> / <sub>2</sub> in. 16.5cm	8in. 20.3cm	1 <sup>1</sup> / <sub>2</sub> in. 3.8cm	6 in. 15.2cm	1 <sup>3</sup> / <sub>4</sub> in. 4.4cm	2 <sup>1</sup> / <sub>4</sub> in. 5.7cm	5in. 12.7cm	5in. 12.7cm	<sup>3</sup> / <sub>4</sub> in. 1.9cm	13 <sup>1</sup> / <sub>2</sub> in. 34.3cm
LM-HP6-S	Swivel	24in. 61cm	6 <sup>1</sup> / <sub>2</sub> in. 16.5cm	8in. 20.3cm	1 <sup>1</sup> / <sub>2</sub> in. 3.8cm	6 in. 15.2cm	1 <sup>3</sup> / <sub>4</sub> in. 4.4cm	2 <sup>1</sup> / <sub>4</sub> in. 5.7cm	5in. 12.7cm	5in. 12.7cm	<sup>3</sup> / <sub>4</sub> in. 1.9cm	14 <sup>3</sup> / <sub>4</sub> in. 37.5cm

## Installing & Using the Attachment

This product is a fork attachment subject to Federal OSHA Rule [29 CFR 1910.178](#) (the "Rule"). The Rule states that you must request that either the manufacturer of your fork trucks, or a professional engineer, determine the attachment will affect the capacity, operation, and maintenance of your fork trucks. Plates, tags, labels, etc. affixed to the truck must be changed accordingly. The truck should also be marked to identify the attachment and to display the approximate weight of the truck and attachment combination at maximum elevation with load laterally centered.

### Installation:

- Adjust the positions of the forks to align with the fork receivers (see above diagrams); then slide the unit onto the forks. Keep the forks level. Position the LM-HP on the forks as necessary.
- Attach the safety strap to the fork carriage of your lift truck. Wrap the safety strap around the fork carriage. Attach the hook at the free end of the safety strap to the safety strap. The strap must be wrapped around the carriage a sufficient number of times so that there is no slack in the strap. When properly attached, the strap should prevent the unit from sliding forward on the forks.

### Using the Device:

Connect the load to the hook via appropriate rigging. The weight of the load must not exceed the capacity of the hook. [NOTE: Capacity is cast on the surface of the hook. It is also displayed on tag 993. See [Labeling diagram](#) on p. 2.] Connect the load to the hook to minimize load swing when the load is lifted off of the ground. Swinging loads might cause injuries and/or damage equipment.

## Record of Original Condition

Before putting the unit into service, make a record of its condition. Photograph both sides of the device. Take close photos of the hook, shackle, safety strap, and strap hook. Photograph both sides of [tag 993](#). See [Labeling Diagram](#). Measure the throat openings of both hooks. Collate the photos and written descriptions into a single file. This file

establishes "Original condition". Compare the results of each inspection to this record to determine whether the unit is in original condition. Purely cosmetic changes are not changes from original condition.

## Inspections

Inspect the LM-HP as described to ensure that the unit is safe to use. Compare your observations to the [Record of Original Condition](#). Only use the unit if it is in original condition. If you are uncertain whether the device should be used after inspecting it, contact [Technical Service](#).

### (A) Inspect the following before each use and AT LEAST once per month:

- i. Hook spring latch: Confirm original condition and proper operation of the spring latch.
- ii. Hook, swivel, & shackle: Check each component for significant wear, looseness, distortion & damage.
- iii. Hook plate: Look for damage like severe wear, deformations, cracking, thinning, etc.
- iv. Safety strap: Closely examine the strap and the strap hook. Check the strap for thinned, frayed, torn, or severely worn areas. Examine the strap hook for bends, cracks, and elongation.
- v. Labels/tags: Frequently examine the tag. Confirm that each label is present, in good condition, and easily readable. See [Labeling Diagram](#) on p. 2.

### (B) Load test:

At least once per year, use the LM-HP to lift a full capacity load. Observe the unit from a safe distance. Monitor the hook, shackle, and swivel (-S models). Hold the load for ~1 minute; then lower it and disconnect it from the hook. After the load is removed, closely inspect all parts and surfaces of the entire LM-HP for fatigue, cracks, or deformations. If any such damage is observed, permanently remove the unit from service.

## Maintenance:

Proper maintenance and storage are essential for this product to function properly.

(A) Clean the unit before inspecting it.

(B) Perform all necessary adjustments, replacements and/or repairs. ONLY install replacement parts supplied or approved by the manufacturer.

## 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:

**US Mail**  
Vestil Manufacturing Corporation  
2999 North Wayne Street, PO Box 507  
Angola, IN 46703

**Fax**  
(260) 665-1339  
**Phone**  
(260) 665-7586

**Email**  
[info@vestil.com](mailto: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 90 days. 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 incidental contacts causing damage to the product;
- Unauthorized modifications: DO NOT modify the product IN ANY WAY without first receiving written authorization from Vestil. Modification(s) might make the product unsafe to use or might cause excessive and/or abnormal wear.

**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 in material or workmanship.

