



# VESTIL MANUFACTURING CORP.

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## DL-31 DRUM LIFTER



### 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 & Replacement Parts

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 <https://www.vestil.com/page-parts-request.php>.

### Electronic Copies of Instruction Manuals

Additional copies of this instruction manual may be downloaded from <https://www.vestil.com/page-manuals.php>.

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## 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.

## SAFETY INSTRUCTIONS

Vestil strives to identify all foreseeable hazards associated with the use of its products. However, material handling is dangerous and no manual can address every conceivable risk. Ultimately, the most effective way to prevent injury is to apply sound judgment whenever using this device.

### **WARNING**

Improper or careless use of this product might result in death or serious personal injuries.

- DO NOT use this drum carrier until you read and understand the entire instruction manual. **Read and understand the entire manual before using, inspecting, or servicing the carrier.** Read the manual to refresh your understanding of proper use and maintenance procedures. Review the instructions and safety messages included in the manuals for your crane, trolley, hoist, and any other device used in conjunction with the carrier. Use this device as instructed in this manual. Also apply all relevant provisions of the most recent revision of [ANSI/ITSDF B56.1](#) ("B56.1") and all laws, regulations, codes, etc. that apply to front end attachments for lift trucks where the carrier is used.
- DO NOT open jaws of the device while lifting or moving a drum. BEFORE opening the jaws, the drum must be entirely supported by the ground or other surface, and be adequately stabilized to prevent falling over, rolling, sliding, or moving in an uncontrolled manner. If a second person is needed to immobilize the drum, find someone to help you.
- Inspect the carrier as instructed in [INSPECTIONS AND MAINTENANCE](#) on p. 6. Acquire a copy of the most recent revision of [ANSI/ITSDF B56.1](#) and apply all inspection procedures applied to lift truck attachments.
- Properly maintain the carrier according to the [INSPECTIONS & MAINTENANCE](#) procedures (p. 6). **These procedures supplement the maintenance recommendations of B56.1 (the "Standard").** If any instruction in this manual conflicts with the Standard, then you should apply the provision in the Standard. DO NOT use the carrier unless it is in [SATISFACTORY CONDITION](#).
- ALWAYS attach the safety strap of the carrier to the carriage of your lift truck without slack. The carrier must not be able to slide forward on the fork while in use.
- Clean and dry the top and rim of the drum before attaching the carrier to the rim. In particular, clean the rim where the carrier will be attached. Debris on the surface of the drum rim could impair the connection between the lifter and the drum.
- Make sure that the path of travel is clear of debris and obstacles BEFORE picking up a drum. Make sure that no person is in the travel path.
- DO NOT lift and move a drum unless it is firmly engaged in the jaws of the drum carrier. If a drum cannot be securely engaged, do not attempt to elevate or transport the drum with the carrier. Select another device.

(Continues on next page)

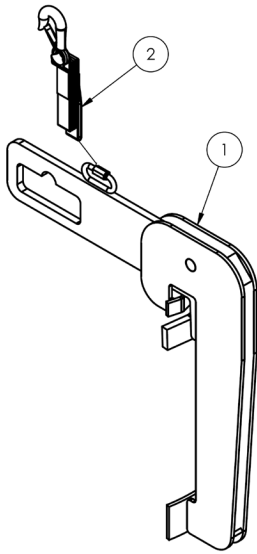
## WARNING

- Only lift one drum at a time. Make sure that there are no items on the drum before lifting it.
- DO NOT attach the carrier to a damaged drum rim. Only engage drums with intact rims.
- DO NOT carry more than 1 drum at a time.
- DO NOT lift a drum from a horizontal position. ONLY lift upright drums as shown in [USING THE DRUM CARRIER](#) on p. 5.
- DO NOT sit on or apply any load to the drum held by the carrier.
- DO NOT exceed the capacity. Never attempt to lift a drum that weighs more than 1,500 pounds (681kg). Capacity information is provided on label 1153. See [LABELING DIAGRAM](#) on p. 6.
- DO NOT lift a load higher than necessary. See *USING THE CARRIER* on p. 5-8.
- DO NOT raise the load over your feet or any other part of your body.
- DO NOT lift or carry drums over people. DO NOT lift any apparatus supporting/carrying people, such as a work platform. The lifter must ONLY be used to lift 1 drum at a time.
- Keep an eye on the drum at all times while it is engaged by the carrier.
- DO NOT leave an elevated drum unattended. Move the drum to the unloading location, land it, and disengage the carrier from the drum rim.
- DO NOT modify the product in any way without first obtaining written approval from Vestil. Unapproved modifications automatically void the [LIMITED WARRANTY](#) (p. 7) and might make the product unsafe to use.
- Slowly and carefully elevate, lower, and move a drum. DO NOT start or stop suddenly. Sudden stops/starts might induce load swing or disrupt the connection between the carrier and the drum rim.
- DO NOT drag loads with the carrier.
- DO NOT remove or deface labeling, including data tags, tags applied to the carrier. DO NOT use the carrier UNLESS each label/tag is in place, undamaged, and easily readable from a reasonable distance. See [LABELING DIAGRAM](#) on p. 6.
- Inspect the product as instructed in [INSPECTIONS AND MAINTENANCE](#) on p. 6.
- DO NOT elevate a drum any higher than necessary.
- DO NOT use the carrier if it is tagged "Out of service" or is similarly designated.

## NATIONAL STANDARDS

According to US Federal Occupational Safety and Health Administration (OSHA) Rule 1910.178 (29 CFR 1910.178; the "Rule"), this device is a lift truck front end attachment whenever it is mounted on a fork of a lift truck. The Rule incorporates American National Standard ANSI/ITSDF B56.1 (the "Standard") published by the Industrial Truck Standards Development Foundation (ITSDF) on its website ([www.itsdf.org](http://www.itsdf.org)). The standard is freely downloadable at <http://www.itsdf.org/cue/b56-standards.html>. Before putting this device into service, acquire a copy of the Standard. Apply all relevant parts of Part II: For the User. If instructions provided in this manual conflict with the Standard, then the instructions in the Standard should be applied. Vestil requests that you immediately inform it about inconsistencies by contacting its [TECHNICAL SERVICE](#) department. Contact information for [TECHNICAL SERVICE](#) appears on the cover page of this manual.

## EXPLODED VIEW AND BILL OF MATERIALS



Item	Part no.	Description	Qty.
1	09-514-065	WELDMENT, FRAME, DRUM LIFTER	1
2	08-145-028	FORK ATTACHMENT RESTRAINT STRAP	1

## SPECIFICATIONS (09-007-065)

Specifications for DL-31 drum carriers are provided on Vestil's website. To access the appropriate specifications document, navigate to this webpage: <https://www.vestil.com/product.php?FID=829>. Click the "Specifications" tab. Scroll the page to the entry for the model you purchased, and click the button in the PDF column that looks like a pencil inside a box. A PDF file will open. This file is the specifications document. Print a copy of the document and keep it with your copy of this manual. The following is an exemplar specifications document.

**DRUM LIFTER - DL-31**

APPROX WEIGHT: 28.01 lbs.  
DOES NOT INCLUDE WEIGHT OF POWER OR PACKAGING!!!

\*\*\* ANY ADDITIONS, DELETIONS, OR OMISSIONS MUST BE CORRECTED ON THIS DRAWING AS THIS DRAWING WILL BE CONSIDERED ALL INCLUSIVE \*\*\*  
ALL GRAPHICS PROVIDED ARE FOR REFERENCE ONLY. IF CERTAIN DIMENSIONS ARE CRITICAL PLEASE VERIFY THOSE DIMENSIONS WITH YOUR SALESPERSON

DIMENSION TOLERANCE ± 1/4"

**STANDARD FEATURES**

MODEL NUMBER: DL-31  
CAPACITY: 1,500 LBS.  
OVERALL WIDTH: 4 1/16"  
USABLE WIDTH: 4 1/16"  
OVERALL LENGTH: 20 13/16"  
USABLE LENGTH: 15 3/16"  
OVERALL HEIGHT: 22 15/16"  
USABLE HEIGHT: 17 1/4"  
FORK/HOOK OPENING: 5 1/2" W X 2 1/16" H  
-STEEL CONSTRUCTION  
-TOUGH BAKED IN POWDER COATED BLUE FINISH  
-FOR USE WITH 55 & 30 GALLON STEEL DRUMS

**SPECIAL FEATURES**  
NONE

APPROX. WEIGHT / LOST LOAD = 28 LBS  
MINIMUM EFFECTIVE THICKNESS = <1"  
NEVER EXCEED LOAD CENTER RATING PER FORKTRUCK MANUFACTURERS GUIDELINES.  
DO NOT USE THIS FORK TRUCK ATTACHMENT IF LOAD WILL EXCEED FORK TRUCK MANUFACTURER'S LOAD CENTER RATING

**APPROVAL**

I, THE UNDERSIGNED, AGREE THAT THE PRODUCT AS REPRESENTED SATISFIES DESIGN AND DIMENSION REQUIREMENTS. I ALSO ACKNOWLEDGE MY DUTY TO CONFIRM PRODUCT AND INSTALLATION COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS AND STANDARDS.

**UNITS REQUIRING APPROVAL DRAWINGS OR MODIFIED ARE NON-RETURNABLE**  
[ ] As drawn [ ] As marked

Signed: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_

LEAD TIME WILL START UPON RECEIPT OF SIGNED APPROVAL DRAWING

DISTRIBUTOR'S NAME: <b>VESTIL MANUFACTURING</b>		P.O.# X
DRAWN BY: QW		DATE: 12-01-2009
REFERENCE: X		SALES: X
QUOTED LEAD TIME: X	QUOTE # X	FILE NAME: 09-007-065
		SCALE: 1:8

## USING THE DRUM CARRIER

### ⚠ WARNING

USING THIS (FORKLIFT TRUCK) FRONT END ATTACHMENT AFFECTS THE CENTER OF GRAVITY OF YOUR LIFT TRUCK. BEFORE USING THIS DEVICE, US FEDERAL REGULATION [29 CFR 1910.178](#) REQUIRES YOU TO CONTACT THE MANUFACTURER OF YOUR LIFT TRUCK TO REQUEST:

- WRITTEN APPROVAL (29 CFR 1910.178(a)(4)); AND
- MARKINGS FOR THE LIFT TRUCK THAT IDENTIFY THE ATTACHMENT AND GIVE THE APPROXIMATE WEIGHT OF THE TRUCK AND ATTACHMENT AT MAXIMUM ELEVATION WITH A Laterally-Centered LOAD (29 CFR 1910.178(a)(5)). **DO NOT USE THIS DEVICE UNTIL YOUR LIFT TRUCK IS MARKED WITH CORRECTED CAPACITY TAGS. ONLY USE THIS DEVICE WITH LIFT TRUCKS THAT HAVE BEEN MARKED WITH CORRECTED CAPACITY TAGS.**

Step 1: Insert a fork into the fork receiver. The drum carrier should be located between the forks. Wrap the safety strap around a part of the fork carriage. Attach the strap hook to the strap or to the quick link **without slack**. The drum lifter must not be able to slide on the fork.

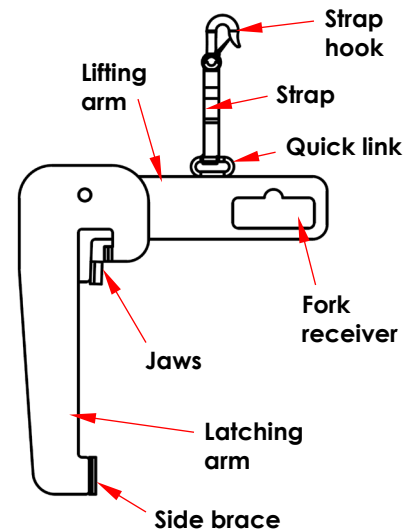
Step 2: Drive to the drum and position the carrier above the drum. Lower the carrier over the top/lid of the drum.

Step 3: Clamp the lip of the drum between the jaws. Make sure that the lower jaw is underneath the rim. The upper jaw must press against the inside of the rim. The side brace should contact the side of the drum. Lift the end of the lifting arm enough to tighten the clamp on the rim, but not to elevate the drum, by slightly raising the fork carriage.

Step 4: Test the jaws' grasp of the rim. Raise the drum just a few inches above the ground. Observe the drum and carrier for approximately 10 seconds to be certain that the carrier has an adequate grasp on the rim. If the grasp is adequate, proceed to the next step. Return the drum to the ground and adjust the jaws if the grasp is inadequate.

Step 5: Transport the drum to the unloading location. Drive slowly, particularly while turning. The drum will tend to swing opposite the direction of a turn, so reduce speed during all turns. The drum will swing out in front of the forklift during braking. Apply the brakes gradually to minimize drum swing.

Step 6: Slowly lower the fork carriage. Set the drum on the ground. Lower the carriage sufficiently to release the jaws from the drum rim.



# RECORD OF SATISFACTORY CONDITION

Record the condition of the drum carrier before putting it into service for the first time. Include observations about the jaws, side brace, fork receiver, lifting bale, spool retaining discs, welds, the frame, safety strap, quick link, and snap hook. Thoroughly photograph the unit so that all features are clearly imaged. Take close range photographs of the labels applied to the unit. Describe where each label is located. Collect all photographs and writings in a file. The file is your record of the carrier in satisfactory condition.

# INSPECTIONS & MAINTENANCE

**NOTICE**

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

- o Inspect the unit as instructed and as frequently as instructed.
- o Inspect and maintain the product as recommended in the current revision of ANSI/ITSDF B56.1, as well as all instructions in this manual.
- o Store the unit in a dry location.

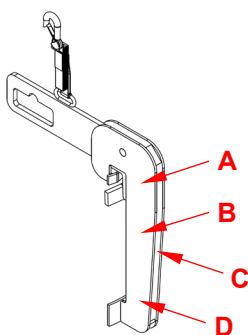
Compare the results of each inspection to the [RECORD OF SATISFACTORY CONDITION](#) to determine whether the unit is in satisfactory condition. DO NOT use the carrier unless it is in satisfactory condition. Only use manufacturer-approved replacement parts to restore the unit to satisfactory condition. *Never make temporary repairs of damaged or missing parts. DON'T GUESS! If you have any questions about the condition of your unit, contact the TECHNICAL SERVICE department.* The phone number is provided on the cover page of this manual. Purely cosmetic changes, such as chipped paint, are not changes from satisfactory condition. However, touchup paint should be applied to all areas where the finish is damaged as soon as the damage occurs. Exposed metal rusts and if left unaddressed, rusting could compromise the soundness of the metal and create a safety hazard.

### Inspect the following before each use:

1. Safety chain, quick link, and snap hook: Confirm that the safety strap is in satisfactory condition. The spring latch (of the snap hook) should automatically close and remain closed unless deliberately opened. Do not mount the unit on the fork of a lift truck if the snap hook, chain, or quick link is damaged or worn.
2. Labeling: Review the [LABELING DIAGRAM](#) on p. 6. If a label is damaged, not easily readable, or missing, contact [TECHNICAL SERVICE](#) to order a replacement.
3. Lifting arm and latching arm: Inspect all welds for cracks, rust/corrosion, and other forms of damage. Inspect metal for damage, warps, and cracks. Also examine the connection/pivot points between the latching arm and lifting arm. Make sure that the metal around the fork receiver opening is not elongated, warped, or cracked. Verify that the jaws and the side brace are solidly welded to their respective arms.

# LABELING DIAGRAM

Label content and location are subject to change so your product might not be labeled exactly as shown. Compare the diagram below to your [RECORD OF SATISFACTORY CONDITION](#). If differences between actual labeling and this diagram exist, contact [TECHNICAL SERVICE](#). Replace all labels that are damaged, missing, or not easily readable (e.g. faded). To order replacement labels, or to inquire whether your unit is properly labeled, contact the technical service and parts department online at [http://www.vestilmfg.com/parts\\_info.htm](http://www.vestilmfg.com/parts_info.htm) or by calling (260) 665-7586 and asking for the Parts Department.



### A: Label 1049 (obverse side)

**⚠ WARNING**

Improper use of this fork attachment might result in death or serious injury.

- Using this front end attachment affects lift truck center of gravity.
- Before using this fork attachment, US Federal regulation 29 CFR 1910.178 requires you to contact the manufacturer of your lift truck and request:
  1. Written approval [29 CFR 1910.178(a)(4)]
  2. Markings for (fork) lift truck that:
    - Identify the attachment.
    - Give approximate weight of truck and attachment at maximum elevation with laterally-centered load. [29 CFR 1910.178(a)(5)].
- **DO NOT** use UNTIL lift truck is marked with corrected capacity tags.
- CAPACITY OF TRUCK & ATTACHMENT COMBINATION MIGHT BE LESS THAN CAPACITY OF ATTACHMENT. CONSULT TRUCK CAPACITY TAG/LABEL.

1049  
REV 11/20

### C: Label 1153 (reverse side)

MODEL / MODELO / MODELÉ	
WEIGHT / PESO / MASS	
CAPACITY / CAPACIDAD / CAPACITÉ	
SERIAL / SERIE / SÉRIE	
UNITS: 2.2 lb. = 1kg      1" (or 1in.) = 2.54cm	1153

### B: Label 675 (obverse side)

⚠ WARNING	⚠ ADVERTENCIA
<ul style="list-style-type: none"> <li>• DO NOT exceed rated capacity</li> <li>• DO NOT use if damaged, malfunctioning, or missing parts</li> <li>• DO NOT lift people OR lift loads over people</li> <li>• DO NOT raise load higher than necessary</li> <li>• DO NOT leave a suspended load unattended</li> <li>• DO NOT use filter unless you read and understand the owner's manual</li> <li>• DO NOT alter OR modify filter</li> <li>• DO NOT remove OR obscure any label</li> <li>• STAY CLEAR of suspended loads</li> <li>• Secure load before using this device</li> </ul>	<ul style="list-style-type: none"> <li>• NO exceda la capacidad tasada</li> <li>• NO USE si las partes estan dañadas, no funcionan correctamente o faltan partes.</li> <li>• NO eleve al personal o eleve cargas sobre el personal</li> <li>• NO eleve la carga mas alto de lo necesario</li> <li>• NO deje desatendida una carga que este suspendida</li> <li>• NO use el elevador a no ser que haya leído y entendido las instrucciones del manual del propietario</li> <li>• NO altere o modifique el elevador</li> <li>• NO quite u oscurezca ninguna etiqueta</li> <li>• MANTENGASE alejado de las cargas suspendidas</li> <li>• Asegure la carga antes de usar este dispositivo</li> </ul>

675  
REV 12/15

### D: Label 218 (reverse side)

⚠ WARNING	⚠ ADVERTENCIAS
<p>Improper use might result in death or serious personal injury. Attach device to fork carriage with safety chain/strap.</p> <ul style="list-style-type: none"> <li>• Drive lift truck forward until forks contact ends of fork pockets.</li> <li>• Chain/straps must not be able to disconnect (slide free) from carriage.</li> <li>• Safety chain/strap must be taut. Connect chain/strap to carriage via shortest line.</li> </ul>	<p>El uso inapropiado puede resultar en muerte o heridas personales. Astar aparato al mástil del montacargas con cadenas/correas.</p> <ul style="list-style-type: none"> <li>• Mueve el montacargas para adelante hasta que las cuñas hagan contacto con la orilla del bolillo de las cuñas.</li> <li>• La cadena/s correas no deben de deslizarse (soltarse) del mástil del montacargas.</li> <li>• La cadena/correa de seguridad debe de estar apretado. Asegure la cadena/correa al mástil via la ruta mas corta.</li> </ul>

218  
REV 09/15



## 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	<a href="mailto:info@vestil.com">info@vestil.com</a> 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 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 in material or workmanship.