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## PAL-21 Pallet Pullers Instruction Manual

**NOTE:** PAL-series pallet pullers are NOT below-the-hook lifting devices! DO NOT use these products for any other purpose than pulling pallets and skids across smooth surfaces.



**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:**

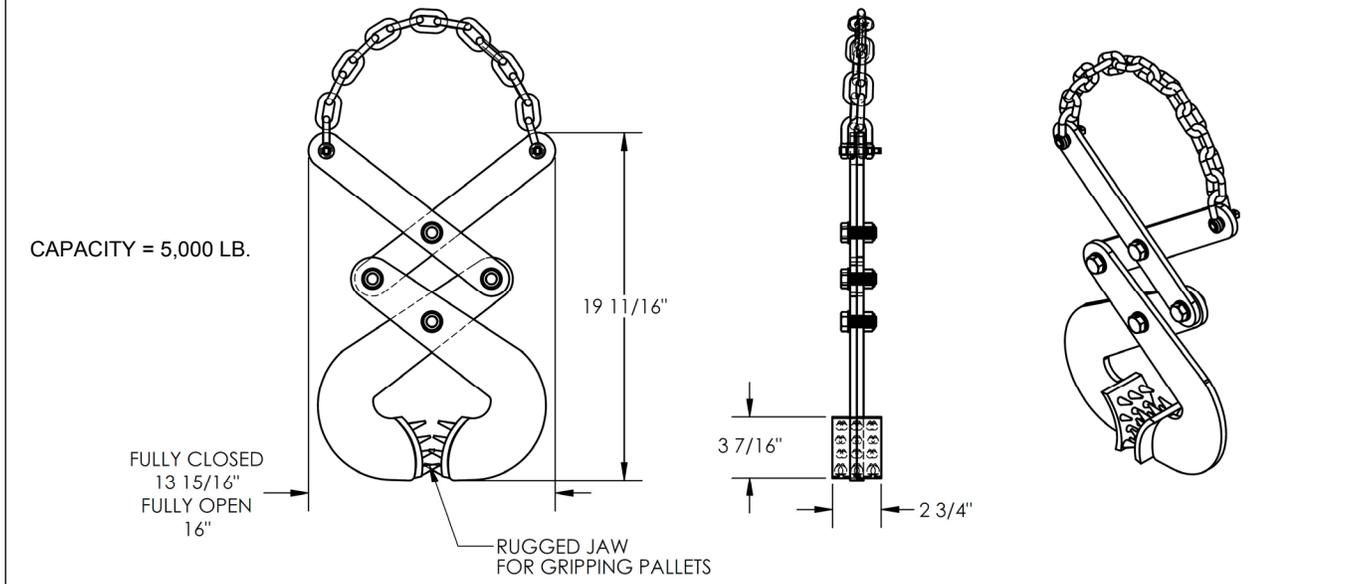
The end-user is solely responsible for confirming that product design, installation, use, and maintenance comply with laws, regulations, codes, and mandatory standards applied where the product is used.

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## Specifications

Dimensions and other specifications appear in the diagram below.



## Signal Words

This manual uses SIGNAL WORDS to classify personal injury risks and situations that might lead to property damage, as well as to draw attention to safety messages. Signal words also indicate the seriousness of the injury that might result from specified actions. Definitions appear below.



**DANGER**

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.



**WARNING**

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



**CAUTION**

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



**NOTICE**

Identifies practices likely to result in product/property damage, such as assembly, installation, etc. that might unnecessarily damage the pallet puller.

## Hazards of Improper Use:



**WARNING**

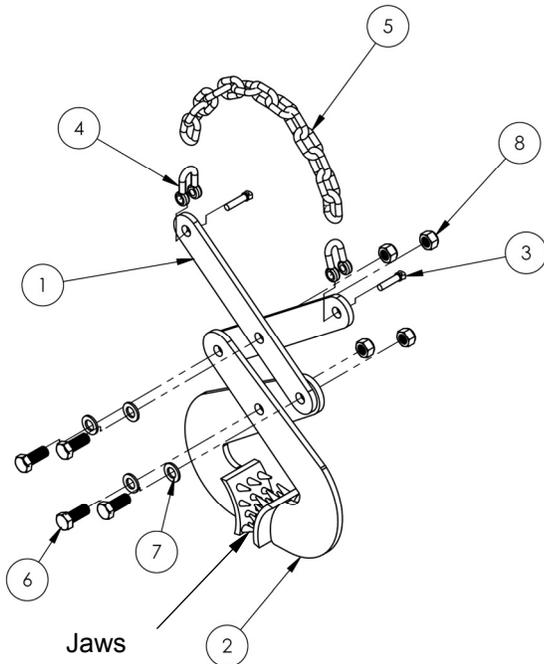
Improper use might result in death or serious personal injury.

- ONLY use this device to PULL pallets. NEVER use a pallet puller as a below-the-hook lifting device.
- DO NOT exceed the capacity of the puller.
- DO NOT use to pull top-heavy or unstable loads.
- DO NOT pull broken or damaged pallets.
- Pull ONLY 1 pallet at a time.
- Make sure both shackle pins are securely fastened to their shackles BEFORE using the puller.

## Using the pallet puller:

1. Grip the stringer (not the deck boards) of a pallet/skid with the jaws of the puller.
2. Attach the chain to a fork truck and slowly drive the truck in reverse. As force is applied, the jaws tightly grip the stringer. Drag the pallet slowly and steadily.
3. When the pallet is in the desired position, i.e. where it can be picked up with your forklift, reverse direction momentarily to produce slack in the chain. Then, open the jaws to release the pallet.

**Exploded Parts Diagram and Bill of Materials:**



Item	Part no.	Description	Qty.
1	36-016-001	Bracket ("Link arm")	2
2	36-514-003	Weldment, frame, arm ("Jaw arm")	2
3	36-145-003	Pin, shackle	2
4	36-145-002	Shackle	2
5	36-145-001	Chain, 3/8" x 26 1/2"	1
6	0161852	Hex bolt, low carbon, zinc plates, M16 – 2.0 x 40mm	4
7	40361	Flat washer, zinc plated, M16 x 30mm	4
8	40179	Hex nut, low carbon, zinc plated, M16 – 2.0	4

**Inspections and Maintenance:**

Regular inspections and maintenance are necessary to keep the device in normal condition. *Before* using the puller for the first time, create a written record that describes the appearance of each part. Be certain that your record includes descriptions about pivot points, pins, bolts, and shackles. This written record establishes "normal operating condition". When conducting future inspections, compare those observations with the written record to determine if a component requires repair or replacement.

Inspect the puller before it is used for the first time. Then, inspect the following at least once per week.

1. Jaw arms and link arms: examine the arms for twisting, bending and warping regions. Pay particular attention to wear at pivot points.
2. Pins, bolts, and nuts: check all bolts and shackle pins for straightness. Shackle pins should be firmly fastened to the shackles.
3. Shackle or chain: inspect for cracks, elongations and deformations.
4. Grippers: confirm soundness of welds to the jaw arms.
5. All components: check for excessive wear.

In addition to inspections, maintain the puller in the following ways:

- a. Clean the puller periodically to preserve the paint.
- b. Lubricate all pivot points.

**Labeling diagram:**

The product must always be labeled as shown in the diagram below. Replace any label that is missing, damaged, or unreadable (e.g. faded).



**Label 568**

<b>⚠ WARNING</b>
Material handling is inherently dangerous. To reduce the likelihood that users or bystanders will sustain serious personal injuries:
<ul style="list-style-type: none"> <li>• Inspect before each use.</li> <li>• DO NOT use if damaged.</li> <li>• DO NOT use as a Below-the-hook lifting device.</li> <li>• ONLY use to engage and pull 1 pallet at a time.</li> </ul>
MAX. RATED LOAD = 5,000 lbs. (~2,273kg)
<b>⚠ ADVERTENCIA</b>
El manejo de material es intrínsecamente peligroso. Para reducir la probabilidad que usuarios o espectadores sostendrán heridas personales graves:
<ul style="list-style-type: none"> <li>• Inspeccione antes de cada uso.</li> <li>• NO UTILICE si dañado.</li> <li>• NO UTILICE como un "gencho de abajo" que levanta dispositivo.</li> <li>• SOLO uso para encajar y tirar 1 paleta a la vez.</li> </ul>
MAX. lbs estimada=5,000 (~2,273kg)
Model/Modelo <b>PAL-21</b> <span style="float: right; font-size: small;">568 REV. 07/15</span>

## 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 if the part is 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.*

What is an "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 any of the following methods:

<u>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	sales@vestil.com

In the written request, list the parts believed to be defective and include the address where replacements should be delivered.

What is covered under the warranty?

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 may require you to send the entire product, or just the defective part or parts, to its facility in Angola, IN. The warranty covers defects in the following original dynamic components: motors, hydraulic pumps, electronic controllers, switches 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 30 days. For wearing parts, the warranty period is 30 days. The warranty periods begin on the date when 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 the warranty periods 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?

1. Labor;
2. Freight;
3. Occurrence of any of the following, which automatically voids the warranty:
  - Product misuse;
  - Negligent operation or repair;
  - Corrosion or use in corrosive conditions;
  - Inadequate or improper maintenance;
  - Damage sustained during shipping;
  - Accidents involving 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.

