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DCT-2000 Fork-Mounted Drum Handlers 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.

NOTES:

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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Signal Words

This manual uses SIGNAL WORDS to indicate the likelihood of personal injuries, as well as the probable seriousness of those injuries, if the product is misused in the ways described. Other signal words call attention to uses of the product likely cause property damage.

The signal words used appear below along with the meaning of each word:



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.

Each person who assembles, installs, uses, or maintains this product should read the entire manual **in advance and fully understand the directions**. **If after reading the manual you do not understand an instruction, ask your supervisor or employer for clarification, because failure to adhere to the directions in this manual might result in serious personal injury.**

Safety Recommendations:

Vestil diligently 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.



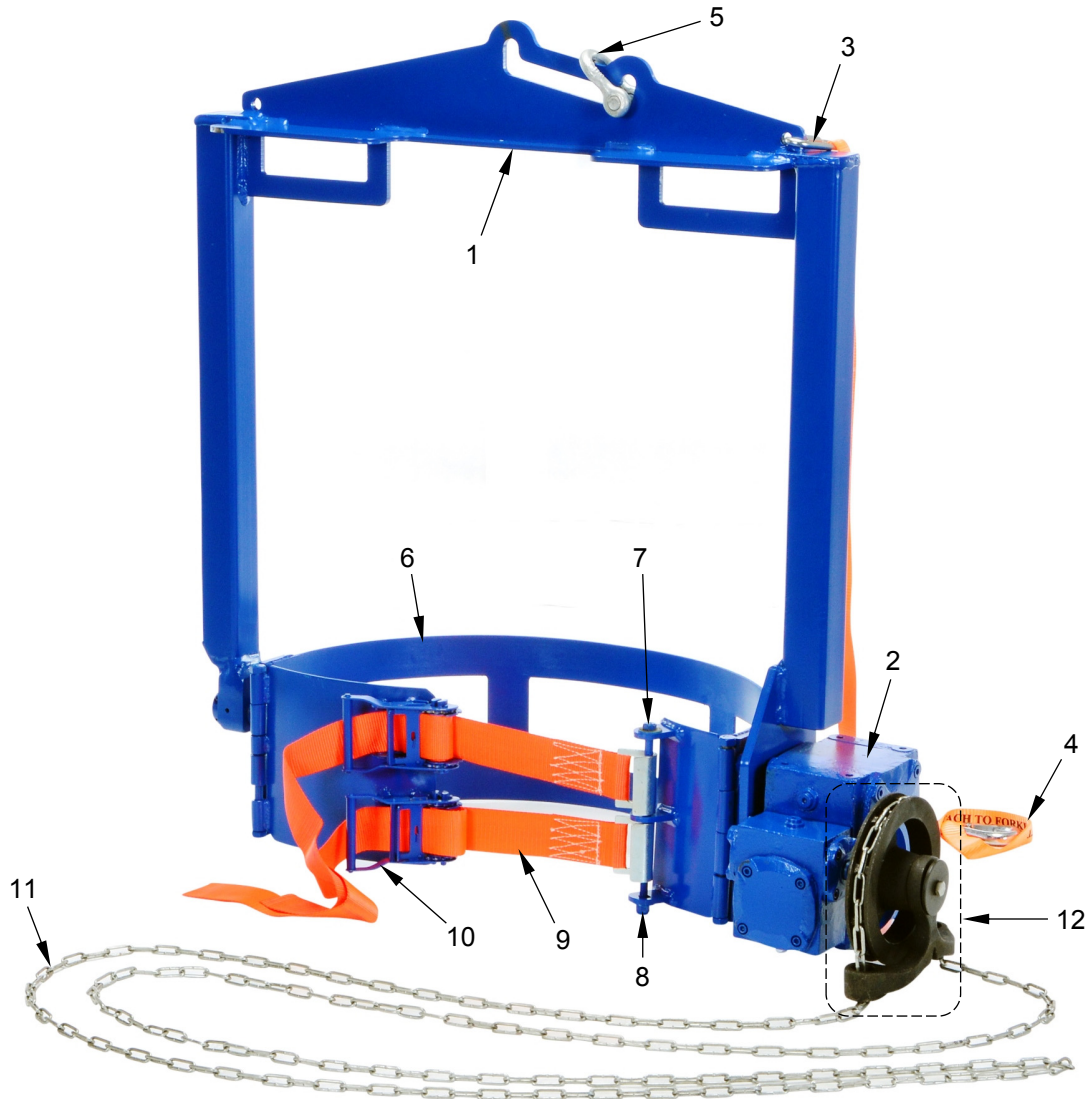
If this product is used improperly or carelessly, the operator and/or bystanders might sustain serious personal injuries or even be killed. **ALWAYS** use the product properly.

- *Failure to read and understand the entire manual before assembling, installing, using or servicing this drum carrier is a misuse of the product.* **DO NOT** use this product until you read and understand the entire manual. Review the manual as frequently as necessary to refresh your understanding of recommended use or maintenance procedures. Read the manual to refresh your understanding of proper use and maintenance procedures. Maintenance personnel should also read the manual before maintaining or servicing the drum carrier.
- **DO NOT** exceed the maximum rated load (see "Product specifications" table on p. 3; also see Label 287 on product & shown in "Label Placement Diagram" on p. 5).
- Mark your forklift: 1) to identify the drum carrier attachment; and 2) to show the approximate weight of the truck and attachment combination at maximum elevation with load laterally centered. Capacity, operation, and maintenance instruction plates, tags, or decals must be changed accordingly.
- **DO NOT** use the carrier unless you are trained to use it.
- Inspect the drum carrier before each use (see "Inspections & Maintenance" on p. 4-5). **DO NOT** use the device unless it is in satisfactory condition. If you observe any structural damage (for example, significant damage to either or both fork pockets, the safety chain, or the drum-gripping mechanism), tag the unit "Out of Service" and report the damage to maintenance personnel. **DO NOT** use the carrier until it is restored to normal condition.
- Always make sure that the shackle pin (see item 5 on p. 3) is secure before applying a load to the load hook. Tighten the screw pin before each use.
- **DO NOT** allow people to ride on the drum carrier.
- **ONLY** use this product to lift and transport drums. **ALWAYS** confirm that the drum is securely held in the saddle and by the straps before moving the drum to a new location.
- **DO NOT** leave an elevated drum unattended. Lower the drum to the ground; then disconnect it from the drum saddle. Back the forklift away from the drum until the drum and drum carrier are completely free of each other.
- **DO NOT** use the unit if any part of the drum saddle assembly, including the straps, is damaged or broken. **ONLY** use the carrier if the saddle and closures function properly.
- **DO NOT** attempt to resolve any problems with this product unless you are certain that it will be safe to use afterwards.
- **DO NOT** modify the carrier in any way. Unauthorized modifications automatically void the limited warranty (see p. 6) and might make the product unsafe to use.

Product Specifications:

Model	Maximum Rated Load		Drum Type (volume and construction)	Net Weight in Pounds (kg)
DCT-2000	Full barrel: 2,000 lb. 909kg	Half-full barrel: 1,000 lb. 454kg	55 gallon Steel	160 lb. 72.7 kg

FIG. 1: DCT-2000 parts diagram and bill of materials



Item no.	Part no.	Description	Quantity
1	40-514-032	Frame weldment	1
2	09-141-001	Reducer, gear	1
3	08-145-041	$\frac{5}{16}$ in. quick link (connects safety strap to frame)	1
4	08-145-035	Nylon safety strap with latching hook (08-145-027)	1
5	08-145-004	$\frac{3}{4}$ in. anchor shackle	1
6	09-002-004-002	Saddle assembly without drive train	1
7	11129	$\frac{3}{8}$ in. – 16UNC x 8in. zinc-plated hex bolt ("hook bolt")	1
8	37024	$\frac{3}{8}$ in. – 16 lock nut	1
9	30-042-001	Ratchet strap with hook	2
10	30-001-246	Ratchet assembly	2
11	DCR-11-03	Pull chain	1
12	Pull chain wheel assembly:		
	DCR-1-03	Hex nut	1
	DCR-2-03	Washer	1
	DCR-3-03	Pull chain guide	1
	DCR-4-03	Pull chain wheel	1
	DCR-5-03	Mounting bracket with 3 bolts and washers	1

Use instructions: [Refer to FIGS. 2 & 3]

Step 1: If the carrier will be transported by forklift:

- Adjust the separation between truck forks to align with the fork pockets of the drum carrier.
- Slide the fork pockets onto the forks of your lift truck.
- To prevent the carrier from sliding off the forks during transport, attach the safety strap to the carriage of your lift truck. The length of the safety strap must be such that the carrier cannot slide off of the tines. Keep the forks level.

If the carrier will be transported by hoist:

- Attach the lifting shackle to a hoist hook.

Step 2: Unhook the ratchet straps from the hook bolt and open the hinged parts of the drum saddle. If the straps are too tight to unhook from the bolt, pull the (ratchet) release lever toward the ratchet handle and pull on the straps until there is adequate slack to unhook them.

Step 3: Position the drum inside the saddle. The drum saddle should rest against the bottom of the second rib (above the middle of the drum; see FIG. 3). Reconnect the ratchet straps to the hook bolt. Move the ratchet handles back-and-forth to tighten the straps against the side of the drum. Make sure that the drum is vertical.

Step 5: Place the end of the pull chain in the forklift cabin where it is easily accessible to the lift truck operator.

Step 6: Raise the forks (or raise the hoist hook) sufficiently to elevate the drum a few inches from the ground.

[NOTE: If using a hoist to lift the drum, make sure that the drum is vertical when elevated. To adjust drum position, the lifting shackle can seat in either position A or position B.]

Step 7: Transport the drum to the dumping location. To dump the contents of the drum, hold both sides of the chain. Maintain control of the drum as it rotates by holding one side of the chain while pulling the other side towards you. When the drum is empty, rotate it back to the vertical position.

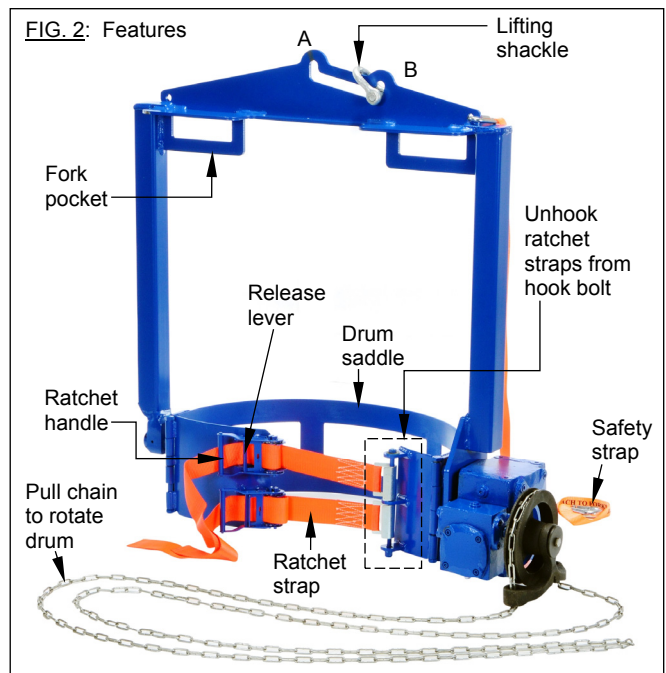
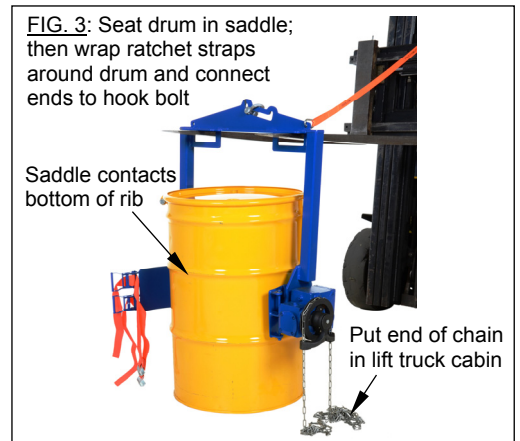


FIG. 3: Seat drum in saddle; then wrap ratchet straps around drum and connect ends to hook bolt



Inspections & Maintenance: perform the inspections explained below and maintain the drum carrier as described to ensure that the unit is and remains in normal, safe operating condition.

⚠ WARNING If a problem is discovered during an inspection, restore the drum carrier to normal operating condition **BEFORE** using it again. DO NOT use the carrier if it is structurally damaged in any way. Structural damage includes, but is not limited to, cracked welds, warping or deformation of the frame, drum saddle.

Inspections:

Before each use, including first use, inspect the listed components:

- Safety chain and snap: confirm that the spring latch automatically closes securely against the hook. DO NOT use the carrier if any part of the safety chain mechanism is damaged.
- Product labels: all labels should be readable and located as shown in the "Label placement diagram" on p. 5. If a label(s) is unreadable or missing, contact Vestil to order a replacement.

Periodic inspection (at least 1 time per month):

- Fasteners (hardware):
 - Bolts, nuts, washers, and snap hooks
 - Pull chain (rotates the drum saddle).
- Fork brackets: confirm that each pocket is structurally sound, not corroded, and free of rust. Only use the carrier if the fork pockets are in normal condition.
- Welds: confirm that all welds are intact.
- Drum saddle, ratchet straps, ratchet handle, and supporting frame: must be undamaged. For example, no structural deformation, warps, or cracks.

5. Gear reducer (item no. 2 on p. 3), chain wheel, & pivot points: rotate the drum saddle to confirm normal operation of the gear reducer and chain wheel. Lubricate pivot points periodically.
6. Saddle hinges: confirm that hinges operate normally. Lubricate all hinges at least once per month or more frequently if the drum carrier experiences heavy usage.
7. Overall condition of drum carrier: the structure should be clean, square and rigid, and free of rust and corrosion. Remove dirt and debris. Do not use the carrier if the supporting frame is severely worn or rusted or if one or both ratchet straps are torn or otherwise damaged.

Maintenance:

NOTICE

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

- Always use the carrier as described in the instructions in this manual and consistently with any training relevant to forklift attachments.
- ONLY install replacement parts supplied or approved by the manufacturer.
- ALWAYS store the DCR in a dry location. If necessary, elevate the carrier by storing it on a pallet, storage rack, etc. to prevent damage that might occur if contact with water or corroding liquids occurs.

Step 1: Tag the unit, "Out of Service."

Step 2: Remove any dirt or other matter from all surfaces.

Step 3: Conduct a "Periodic" inspection. If deformity, corrosion, rusting, or excessive wear of structural members is found, DO NOT use the product.

Step 4: Perform all necessary adjustments, replacements and/or repairs but DO NOT modify the carrier.

WARNING

DO NOT use the unit if adjustments and/or repairs are incomplete! DO NOT modify the drum carrier in any way.

An "adjustment" is a simple correction that restores the unit to normal operating condition, such as tightening loose fasteners, or removing dirt or other debris from the surface. "Repair" refers to removing worn parts and installing replacement parts.

A "modification" is a change that alters the drum carrier from normal operating condition, like bending the structural members or removing a part or several parts. NEVER modify the unit without the express, written approval of Vestil. Modifications might make the device unsafe to use and *automatically* void the limited warranty.

Step 5: Make a dated record of any repairs, adjustments and/or replacements.

Label Placement Diagram:

The product should always be labeled as shown in the diagram below. Replace any label that is damaged or not easily readable.

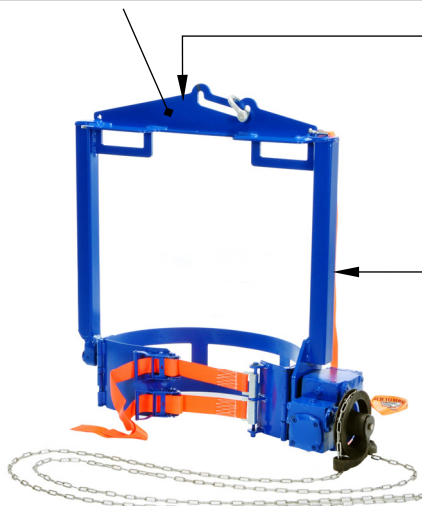
Label 218: Fasten safety chain to carriage
(applied to frame crossbar)

⚠ WARNING	⚠ ADVERTENCIAS
Improper use might result in death or serious personal injury. Attach device to fork carriage with safety chain/strap.	El uso impropio puede resultar en muerte o heridas personales. Atar aparato al mástil del montacargas con cadenas/correas.
• Drive lift truck forward until forks contact ends of fork pockets.	• Maneje el montacargas para adelante hasta que las cuñas hagan contacto con la orilla del bolsillo de las cuñas.
• Chain/straps must not be able to disconnect (slide free) from carriage.	• La cadenas y correas no deben de deslizarse (soltarse) del mástil del montacargas.
• Safety chain/strap must be taut. Connect chain/strap to carriage via shortest line.	• La cadena/correa de seguridad debe de estar apretado. Asegure la cadena/correa al mástil via la ruta mas corta.
	218 rev 0910

Label 287: Model, serial no. capacity
(apply to back side of cross bar)

MODEL/MODELO/MODÈLE _____
STATIC CAPACITY (evenly distributed) _____ lbs.
LA CAPACIDAD CONSTANTE (distribuida uniformemente) _____ kgs.
CAPACITÉ STATIQUE (distribuée régulièrement) _____ kgs.
SERIAL/SERIE/SÉRIE _____

287 REV 0812



Label 232: Keep drum vertical while moving
(applied to frame)

⚠ CAUTION	⚠ ATENCIÓN	⚠ ATTENTION
DRUM MUST BE IN VERTICAL POSITION WHEN MOVING	EL TAMBOR DEBE DE ESTAR EN LA POSICIÓN VERTICAL CUANDO EN MOVIMIENTO	LE BIDON DOIT ÊTRE EN POSITION VERTICALE LORS D'UN DÉPLACEMENT

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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:

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

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

Email
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"): bearings, hoses, wheels, seals, brushes, batteries, and the battery charger.

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. 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 environments;
 - Inadequate or improper maintenance;
 - Damage sustained during shipping;
 - Collisions or other 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.

