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### Vestil D-300-MD-SR

# Vestil D-300-MD-SR Self Dumping Hopper Instruction Manual

Model: D-300-MD-SR | Brand: Vestil

## 1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your Vestil D-300-MD-SR Steel Medium Duty Self Dumping Hopper. Please read this manual thoroughly before operating the equipment to ensure proper usage and to prevent injury or damage.

The Vestil D-300-MD-SR is designed for efficient material handling, featuring an automatic bumper release for dumping and a manual cable for controlled discharge. It is built with full-length fork tubes for a solid base and includes a safety restraint for secure operation with a fork truck.



Figure 1: Vestil D-300-MD-SR Self Dumping Hopper, Soda Red

## 2. SAFETY INFORMATION

**WARNING:** Failure to follow these safety instructions may result in serious injury or death.

- Always read and understand the entire manual before operation.
- Ensure all personnel involved in operation are trained and authorized.
- Never exceed the stated load capacity of 4000 lbs (1814 kg).
- Always secure the hopper to the fork truck using the provided safety restraint before dumping.
- Maintain a safe distance from the hopper during dumping operations.
- Inspect the hopper for any damage or wear before each use. Do not use if damaged.
- Ensure the dumping area is clear of personnel and obstructions.
- Do not modify the hopper in any way.
- Always operate the fork truck in accordance with OSHA general industry rule 29 CFR 1910.178(m)(5)(iii).

## 3. KEY COMPONENTS

The Vestil D-300-MD-SR Self Dumping Hopper consists of the following primary components:

- **Hopper Body:** The main container for materials.
- **Fork Tubes:** Integrated channels at the base for fork truck tines.
- **Bumper Release Mechanism:** Activates automatic dumping when it contacts a dumpster.
- **Manual Dump Cable:** Allows for controlled dumping from the fork truck seat.
- **Safety Restraint Chain:** Used to secure the hopper to the fork truck.
- **Pivot Points:** Allow the hopper body to rotate for dumping.

## 4. SETUP AND PREPARATION

Before using the self-dumping hopper, ensure it is properly prepared and secured to your fork truck.

1. **Inspection:** Visually inspect the hopper for any signs of damage, loose parts, or excessive wear. Do not use if any issues are found.
2. **Positioning:** Place the hopper on a flat, stable surface.
3. **Fork Truck Engagement:** Carefully insert the fork truck tines fully into the hopper's fork tubes. Ensure the tines extend completely through the tubes.
4. **Secure Safety Restraint:** Attach the safety restraint chain from the hopper to the mast of the fork truck. This prevents the hopper from sliding off the forks during operation or dumping. Ensure the chain is taut and securely fastened.
5. **Check Manual Dump Cable:** Verify that the manual dump cable is accessible from the operator's seat and is not tangled or obstructed.

Your browser does not support the video tag.

Video 1: This video demonstrates the manufacturing process and application of Vestil D-Hoppers, including how they are used with a forklift for dumping.

## 5. OPERATING INSTRUCTIONS

The Vestil D-300-MD-SR hopper offers both automatic and manual dumping options.

### 5.1. Loading the Hopper

- Load materials evenly into the hopper. Do not overload or create an unbalanced load.
- Ensure the load does not exceed the hopper's stated capacity.

### 5.2. Automatic Dumping

1. With the hopper securely attached to the fork truck, carefully approach the dumpster or collection container.
2. Slowly drive the fork truck forward until the hopper's bumper release mechanism makes contact with the edge of the dumpster.
3. The hopper will automatically tilt forward, dumping its contents.
4. Once empty, slowly back away from the dumpster. The hopper will automatically return to its upright and locked position.

### 5.3. Manual Dumping

1. Position the hopper over the desired dumping location.
2. While remaining seated in the fork truck, pull the manual dump cable. This will release the locking mechanism and allow the hopper to tilt forward.
3. Once the contents are dumped, release the cable.
4. Slowly lower the forks or tilt the mast back to allow the hopper to return to its upright and locked position.

## 6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your Vestil Self Dumping Hopper.

- **Cleaning:** Clean the hopper regularly, especially after dumping wet or corrosive materials, to prevent rust and material buildup.
- **Lubrication:** Periodically lubricate all pivot points and moving parts with a suitable grease to ensure smooth operation.
- **Hardware Check:** Regularly check all bolts, nuts, and fasteners for tightness. Tighten as necessary.
- **Cable Inspection:** Inspect the manual dump cable for fraying, kinks, or damage. Replace immediately if any damage is observed.
- **Structural Integrity:** Inspect the steel structure for cracks, bends, or other signs of fatigue or damage. Any structural damage requires immediate repair by qualified personnel or replacement of the unit.
- **Paint/Finish:** Touch up any chipped or scratched paint to prevent rust, especially in outdoor or corrosive environments.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Hopper does not dump automatically.	Bumper release not making full contact; mechanism obstructed; hopper overloaded.	Ensure full contact with dumpster edge; clear obstructions; reduce load.
Hopper does not return to locked position.	Obstruction in pivot area; mechanism damaged; residual material.	Clear obstructions; inspect mechanism for damage; ensure hopper is completely empty.
Manual dump cable is stiff or stuck.	Cable frayed or kinked; lack of lubrication; debris.	Inspect and replace cable if damaged; lubricate cable and pivot points; remove debris.
Hopper unstable on fork truck.	Forks not fully engaged; safety restraint not secured; uneven load.	Ensure forks are fully inserted; securely attach safety restraint; redistribute load evenly.

8. SPECIFICATIONS

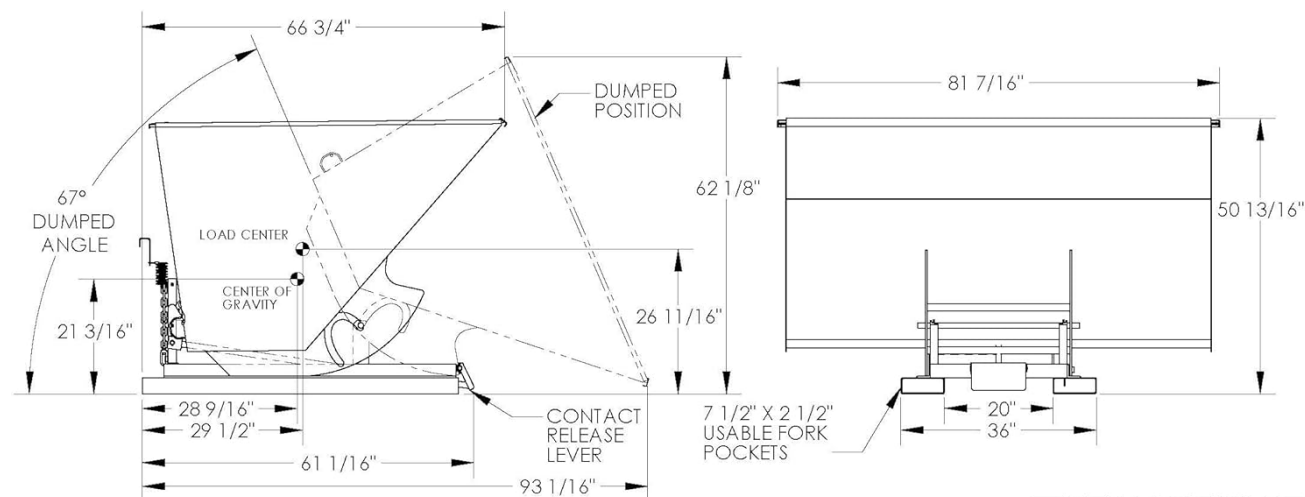
Attribute	Value
Model Number	D-300-MD-SR
Capacity	3 Cubic Yard, 4000 Lb. (1814 kg)
Material	Steel
Color	Soda Red
Product Dimensions (L x W x H)	69 x 82 x 52 inches
Item Weight	922 Pounds

APPROXIMATE WEIGHT IS: 814.10 lbs.

## - SELF-DUMPING STEEL HOPPER W/ BUMPER RELEASE - MODEL: D-300-MD

\*\*\* 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



### STANDARD FEATURES

VOLUME: 3 CU. YDS.  
CAPACITY: 4,000 LBS.  
OVERALL WIDTH: 81 7/16"  
OVERALL LENGTH: 66 3/4"  
OVERALL HEIGHT: 50 13/16"  
RELEASE CABLE LENGTH: 48"  
USABLE WORK ENVELOPE:  
62"H X 93 3/4"L X 81 3/4"W

### SPECIAL FEATURES

NONE

NEVER EXCEED LOAD CENTER RATING PER FORK TRUCK MANUFACTURER'S GUIDELINES. DO NOT USE THIS FORK TRUCK ATTACHMENT IF LOAD WILL EXCEED FORK TRUCK MANUFACTURER'S LOAD CENTER RATING.

\* AVAILABLE AT ADDITIONAL COST

\*\*\*WITH CASTER OPTION, THE MAXIMUM WEIGHT CAPACITY IS THE LOWEST WEIGHT CAPACITY OF EITHER THE HOPPER OR THE CASTERS\*\*\*

### OPTIONS

PLEASE CIRCLE ALL THAT APPLY

* H - LEKP	* D - LEKP
* D - PLG	* LUG
* 6 X 2 CASTER KIT ADDS 7 3/4" TO HEIGHT	* 8 X 2 CASTER KIT ADDS 9 3/4" TO HEIGHT
* PLASTIC LID	

ALL SPECIAL UNITS  
ARE NON-RETURNABLE

APPROVAL

I, the undersigned, hereby approve this print.  
This includes my approval of design & dimensions

[ ] As drawn [ ] As marked

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

LEAD TIME WILL START UPON RECEIPT  
OF SIGNED APPROVAL DRAWING

DISTRIBUTOR'S NAME:

VESTIL MANUFACTURING

DRAWN BY:

W. STALEY

DATE:

5/7/08

REFERENCE:

X

SCALE: 1:22

QUOTE #

X

P.O.#

X

W.O.#

X

SALES:

X

FILE NAME:

37-007-027

Figure 2: Technical drawing with key dimensions and features.

## 9. WARRANTY AND SUPPORT

For warranty information, technical support, or to order replacement parts, please contact Vestil Manufacturing directly.

**Manufacturer:** Vestil Manufacturing

**Website:** [www.vestil.com](http://www.vestil.com)




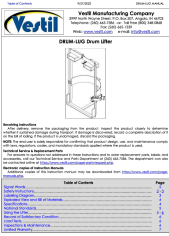


**Customer Service:** Refer to the manufacturer's website for current contact details.

Please retain your purchase receipt for warranty claims.

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This manual is subject to change without notice.

**Related Documents - D-300-MD-SR**

	<p><a href="#">Vestil D-Series Self-Dumping Hoppers: Manual, Specifications, and Parts</a></p> <p>Comprehensive manual for Vestil D-Series self-dumping hoppers. Includes specifications, receiving instructions, safety guidelines, operating procedures, maintenance, parts lists, and warranty information.</p>
	<p><a href="#">Vestil DRUM-55S Portable Drum Jack Operation and Service Manual</a></p> <p>This manual provides comprehensive operational, service, and maintenance guidelines for the Vestil DRUM-55S Portable Drum Jack. It includes detailed specifications, safety warnings, operating procedures, troubleshooting tips, a complete parts list, and warranty information.</p>
	<p><a href="#">Vestil OLA-4 Series Balanced Load Lifters - User and Maintenance Manual</a></p> <p>This comprehensive manual provides detailed instructions for the safe operation, maintenance, and specifications of Vestil OLA-4 series balanced load lifters, including models OLA-4-42, OLA-4-36-DLX, and OLA-4-42-DLX. It covers essential safety guidelines, adjustment procedures, load testing, inspections, and warranty information for industrial material handling applications.</p>
	<p><a href="#">Vestil DRUM-LUG Drum Lifter: Operation and Safety Manual</a></p> <p>Comprehensive manual for the Vestil DRUM-LUG drum lifter, covering safe operation, maintenance, specifications, and usage as a forklift attachment or below-the-hook device. Includes safety warnings and part details.</p>
	<p><a href="#">Vestil WL-100 Truck Scissor Dock Lift Operation and Maintenance Manual</a></p> <p>Comprehensive operation and maintenance manual for the Vestil WL-100 Truck Scissor Dock Lift, covering installation, safety, operation, troubleshooting, and warranty information. Includes detailed diagrams and parts lists.</p>
	<p><a href="#">Vestil CR-Series Carpet Poles: User Manual, Safety, and Maintenance Guide</a></p> <p>This manual provides essential information for Vestil CR-Series Carpet Poles, including receiving instructions, safety guidelines, specifications, exploded views, attachment procedures, national standards, operation, inspection, maintenance, labeling, and limited warranty.</p>