

## CONTENTS

- Receiving Procedures
- Warranty
- Safety Information
- Machine Description
- Operating Instructions
- Maintenance
- Dimensions

### Receiving Procedures

Every Morse drum handler is inspected prior to shipping. However, damage may be incurred during transit.

- Check for visible damage. If you choose to accept damaged freight, always sign noting the damage on the **BILL OF LADING**.
- Document the damage and have the truck driver sign. We recommend keeping a digital camera at your receiving dock for this purpose.
- Open packages expeditiously to check the condition of the goods. There is only a 24 hour window to notify the carrier of any concealed damage.
- **IMMEDIATELY REPORT ALL DAMAGE TO THE SHIPPING COMPANY!** Then you may contact Morse for assistance with your freight claim.
- Morse Manufacturing will not be held responsible for any damaged freight that is not signed for as damaged.

Delivery to non-business addresses without a loading dock result in additional freight charges. Residential delivery fees, inside delivery fees, re-delivery charges, and lift gate services will be added by the truck line, and are non-negotiable.

### Limited 2 Year Warranty

Morse drum handling equipment is guaranteed against defects in workmanship or materials for **TWO YEARS** when used properly within its rated capacity. Warranty does not cover wear from normal use or damage from accident or abuse. Motors and other purchased parts carry the warranties of their manufacturers.



For warranty claims, contact your Morse Dealer to obtain a return authorization number, and for return freight advice. Return freight must be prepaid.

In all instances, liability is limited to the purchase price paid or to repairing or replacing the product. Customer assumes liability for any modifications, unauthorized repairs or parts substitution.

### Safety Information

While Morse Manufacturing Co. drum handling equipment is engineered for safety and efficiency, a high degree of responsibility must be placed upon the machine operator to follow safe practices, based primarily on common sense, upon which true safety depends.

Failure to follow the safety precautions in this manual can result in personal injury or property damage. Observe the same precautions as with similar machinery where carelessness in operating or maintenance is hazardous to personnel. Carefully read the safety precautions below and throughout this manual.

Review the Material Safety Data Sheet(s) for the material(s) in the drum(s) and take all necessary precautions. Safety shoes, work gloves, hard hat and other personal protective devices are recommended.

Prior to initial use, inspect all moving parts. Perform necessary load test, inspections, operator training, etc.
















**DANGER** - Indicates a situation which, if not avoided, will result in serious injury or death. This signal word is limited to the most extreme situations.



**WARNING** - Indicates a situation which, if not avoided, could result in serious injury or death.



**CAUTION** - Indicates a situation which, if not avoided, can result in damage to the machine.

	<b>WARNING</b> - Drum Lifter is designed to handle one drum of the types listed in Machine Description. DO NOT attempt to handle any other type of drum or object.
	<b>WARNING</b> - DO NOT use with a drum which has no top. Drum top is necessary to make drum sufficiently rigid for proper lifting.
	<b>WARNING</b> - DO NOT exceed the weight capacity of 2000 Lb. (907 kg).
	<b>WARNING</b> - DO NOT operate damaged or malfunctioning unit, or a unit with missing parts.
	<b>WARNING</b> - DO NOT lift people or suspend loads over people. Stay clear of suspended loads.
	<b>WARNING</b> - DO NOT lift loads higher than necessary.
	<b>WARNING</b> - Do NOT leave suspended loads unattended.
	<b>WARNING</b> - DO NOT remove or obscure warning labels.
	<b>WARNING</b> - DO NOT operate without first having read and understood operating manual.
	<b>WARNING</b> - DO NOT make alterations or modify the unit. Under no circumstances should any modifications be made to the Morse machinery without factory authorization. Any modifications may void the warranty. This machine was designed to perform a specific job and alterations may result in injury to operator or machine.
	<b>WARNING</b> - Wear safety shoes with non-slip soles and hard toe protection.
	<b>CAUTION</b> - DO NOT allow drum to impact on floor, ground, etc.
	<b>WARNING</b> - This product can expose you to chemicals including barium sulfate, cobalt, titanium dioxide, and 2-methylimidazole, which are known to the State of California to cause cancer, and bisphenol-A, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>

## Machine Description

Morse Model 42 Drum Lifter are designed to lift and transport a standard 55-gallon (210 liter) steel drum 22.5" (57.2 cm) in diameter and 34" to 36" (86.4 to 91.4 cm) tall, or an 85-gallon (322 liter) steel drum 26" (66 cm) in diameter and 40" (101.6 cm) tall. Drums can be transferred in horizontal or in off-vertical mode (see operating instructions).

The maximum capacity is 2000 Lb. (907 kg). Drums may be "tight head" type with head intact, or removable top with lid securely clamped in place.



## Important

1. Review the Material Safety Data Sheet(s) for the material(s) in the drum(s) and take all necessary precautions. Safety shoes, work gloves, hard hat and other personal protective devices are recommended.
2. Please read all instructions thoroughly before attempting to operate your new Morse drum handler.
3. The Model 42 Drum Lifter have a maximum capacity rating of 2000 Lb. (907 kg) and are designed to lift and move a closed steel drum of the size and type noted above. DO NOT exceed this rating. Exceeding this rating or handling drums other than those mentioned above is unsafe and could result in equipment damage, excessive wear, awkward or dangerous handling.
4. When loading, unloading, operating, or maintaining your MORSE drum handler, always use care and good judgment. Maintain secure footing and a firm hold. Keep hands and loose clothing away from all moving parts. Never allow anyone to be below any part of a raised drum handler or drum. Read operating instructions and review the pictures in the sales brochure before operation.
5. The Model 42 Drum Lifter are covered by the American National Standard ASME B30.9. The user should comply with all aspects of this standard. Unit has been factory load tested and furnished with a load test certificate.

## Operating Instructions

### Horizontal Mode

1. Attach your hoist hook to lifting ring of Model 42 Drum Lifting Hook connected to rod and chain at middle of assembly.
2. Move hoist with Drum Lifter over the drum and lower it. Hoist should be guided so that Drum Lifter settles across the center of the horizontal drum.
3. Place a lifting hook on each end of the drum below the drum rim.
4. Raise hoist to lift the drum. You may move the drum as necessary by moving the hoist.
5. To place the drum, simply lower the hoist. Continue to lower hoist so that the lifting hooks may be removed.
6. Raise the hoist to lift the Drum Lifter clear of the drum.



### Off-Vertical Mode for upending a horizontal drum

1. Attach your hoist hook to the lifting ring on outer end of alloy chain of Model 42 Drum Lifter.
2. Place a lifting hook on each end of horizontal drum engaging below the top and bottom rims of horizontal drum.
3. Raise hoist to lift drum and have it hang off-vertical.
4. Lower drum until its bottom edge meets the floor.
5. Remove bottom hook and guide drum by hand to settle upright.



### Off-Vertical Mode for down ending a vertical drum

1. Attach your hoist hook to the lifting ring on outer end of alloy chain of Model 42 Drum Lifter.
2. Place a lifting hook engaging the top rim of upright drum.
3. Place second hook to engage under the bottom rim of upright drum. Hint: Tilt drum and insert a 2 x 4 under the bottom rim to allow space to place hook under drum.
4. Raise hoist to lift drum and have it hang off-vertical.
5. Lower drum until its bottom edge meets floor and guide drum to settle in horizontal position.

## Maintenance

- Periodically inspect framework and contact areas for signs of wear, fatigue or loosening
- Replace as necessary to prevent failure.

