

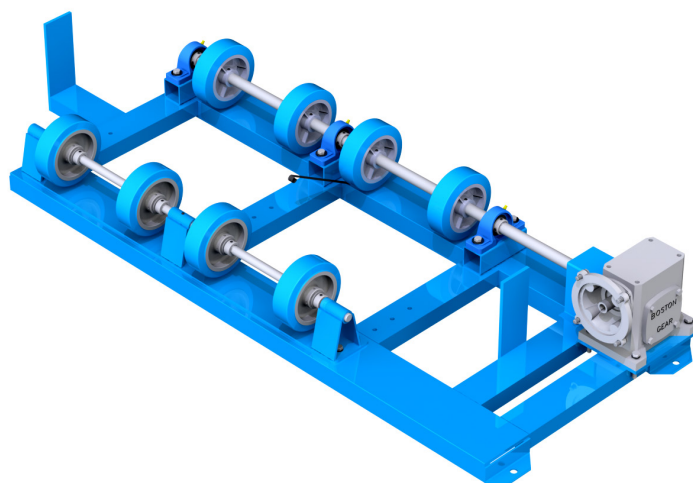
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Operator's Manual for Morse Stationary Cylinder Rotator

BW-5154S

with Serial Number 192581 to _____



Model BW-5154S

Receiving Procedures

Every Morse cylinder 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.

Limited 2 Year Warranty

Morse cylinder 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. cylinder 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 cylinder(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 and test rotation of wheels. Perform necessary inspections, operator training, etc.



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Safety Information (continued)



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.



DANGER - Stay Clear of Rotating Cylinder. NEVER allow anyone to be near any part of the rotating cylinder. Operator should remain clear of the rotator.



WARNING - The BW-5154S Cylinder Rotator is designed to handle one cylinder of the types listed at the top of page 3 under Machine Description. DO NOT attempt to handle any other type of cylinder or object. DO NOT exceed the weight capacity.



WARNING - Do Not 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.



WARNING - No Loose Fitting Clothing. Wear close-fitting clothing and safety equipment appropriate to the job. Loose fitting clothing may become caught on the machinery and cause severe personal injury.



CAUTION - Wear safety shoes with non-slip soles and hard toe protection.



CAUTION - DO NOT allow cylinder to impact on floor, ground, etc.



CAUTION - Install Morse Rotator in accordance with OSHA requirements for enclosure and interlock, etc. For OSHA compliance, see OSHA subpart O.1910.212 "General Requirements for all Machines." Power connections and motor controls must comply with applicable codes.



WARNING: 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 www.P65Warnings.ca.gov

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Machine Description

The BW-5154S Cylinder Rotator is designed to roll a steel cylinder, 19.5" to 24.5" (49.5 to 62 cm) in diameter, and up to 52" (132 cm) long. The maximum liquid load capacity rating is 1000 Lb. (454 kg).



WARNING - DO NOT exceed these ratings. Exceeding these ratings or handling a cylinder other than those mentioned above is unsafe and could result in equipment damage, excessive wear, motor overload and shortened service life of transmission components.

Options

- A 1 to 5 gallon can or pail can be rotated with the Idler Attachment (part # 1-5-1) installed

Assembly and Installation Instructions

The base has four 1/2" (1.27 cm) diameter holes spaced 19" wide x 56.5" long (48.26 cm wide x 143.51 cm long). Morse recommends the rotator be secured to the floor using 3/8" x 3" (.95 cm x 7.6 cm) lag bolts (not included).

Install all Morse Rotator in accordance with OSHA requirements for enclosure and safety interlock, etc. Cylinder Rotator must automatically turn off when enclosure door is opened.

Adjust drive and idler wheels to your particular cylinder. With provided 1/8" allen wrench, loosen the two set screws found in each drive wheel hub and the set screw in each collar surrounding the idler wheels. Tighten set screws.

1. A variety of cylinder diameters can be accommodated by adjusting the idler plate assembly toward the drive side for smaller diameters and away from the drive side for larger diameters. The plate may be adjusted to allow drive shaft spacing from 8" to 18" (20.3 to 45.7 cm). It is preset to the second (outer) set of holes for use with standard 55-gallon (210 liter) steel drum. To adjust, remove the three idler plate bolts and slide the idler plate assembly to the proper set of mount holes and refasten the mount bolts.
2. Do not put into service without proper motor protection and controls. Customer should provide the proper controls and consult an electrician to complete the wiring. When starting the unit be careful to stand clear of the rotator as the cylinder will begin to rotate.

Operating Instructions

1. Cylinder should be loaded onto the rotator horizontally
2. Cylinder is now ready to be rotated

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Preventative Maintenance

1. Periodically inspect all moving parts, framework, and contact areas for signs of wear or loosening. Tighten, adjust, or replace parts as necessary to prevent failure and maintain proper function.
2. Idler wheels are equipped with grease fitting and should be lubricated periodically. High pressure grease guns are not recommended, as their force may damage seals. Grease every 6-12 months in ordinary environment, grease monthly in dirty conditions. Any common bearing grease will suffice, (i.e. Shell Alvania)
3. Inspect oil level in gear box / speed reducer and fill with high quality, synthetic lubricant for gears if necessary. The speed reducer has been filled and tested prior to shipment. After operating a new machine for 1500 hours, the housing should be thoroughly flushed out and new oil added to fill the housing to the oil level plug. The oil should be changed every 5000 operating hours thereafter with [Klubersynth UH1 6-460 \(#096060\)](#) or equivalent, or more often if operating conditions cause condensation of moisture resulting in sludge formation inside housing.
4. Pillow Block Bearings: Grease every 6-12 months in ordinary environment, grease monthly in dirty conditions. See [Bearing Lubrication Sheet](#) for grease types and fill amounts.

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When ordering parts,
specify part number and
description, model number
and serial number. Find
model number and serial
number on metal tag
attached to Rotator.