



HIGH DUMP ROLL-OUT BUCKET



Model # _____

Serial # _____

Rev. 01/14

Rylind Manufacturing, Inc.
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- Thank you for purchasing a Rybind Attachment. For proper installation and operation for your Rybind Attachment this book **SHOULD BE READ COMPLETELY BEFORE BEGINNING INSTALLATION OR OPERATION OF THE EQUIPMENT.**
- Your safety and the safety of others depend on the proper installation, operation, maintenance, and understanding in the use of this equipment.
- Some photographs and installations in this manual may show details of this attachment that may be slightly different from your unit.
- Continuing improvements and advancements of this product may occur at any time.
- Any unauthorized modification to this product or lack of maintenance, proper use, or unsafe operating techniques will not be covered under warranty, further more Rybind Manufacturing reserves the right to void the warranty on some or all the equipment installed on that unit.
- If any questions arise during installation or maintenance of your product please consult your dealer or contact Rybind Manufacturing's corporate offices.

Thank you for your business.

Rylind High Dump Roll-Out Bucket

Rylind Manufacturing's High Dump Roll-Out Buckets are designed to be used in light material, 1,800# per cu/yd or less. A third function valve with flow control is required for operation. Pressure should not exceed 2,000 PSI when operating the bucket or the pressure relief valve will bleed the excess back to tank and the bucket will not operate properly. Roll-Out buckets are not meant to dig, they are for moving material that has been stacked to load into trucks, hoppers, or other operations where extra height or reach is needed. Back dragging the buckets cutting edge can put undue pressure on hydraulic cylinders and pins which could cause fatigue and failure.

Rylind Roll-Out Buckets come in pin-on mounts, Rylind Wedge-loc, Rylind Pin-loc, Deere, Volvo, CAT, JRB, and many more styles of coupler mounts. Roll-Out buckets come plumbed to a central pressure relief valve at the back of the carriage. Plumbing to the loaders 3rd function valve is not provided.

Maintenance

Depending on the environment the bucket is operating in the carriage and cylinders should be cleared of debris throughout the operation. Wood, beets, grain, trash, and any other material you are moving can collect in the roll out tunnels and cause damage to the cylinders and/or hydraulic lines. Any damaged components, bends, cracked welds, or hydraulic leaks need to be fixed immediately. It is recommended to pull all pins after the first 80 hours of operation to check for any fatigue or unusual wear patterns. Hydraulic lines should be kept free of debris that may cause leaks or damage.

Lubrication of your bucket is extremely important. Dust, dirt, snow, rain, and other debris can and will wash away lubrication and it may be necessary to inspect and reapply grease more than once a day depending on the environment the bucket is operating in.

- 1. Discontinue use immediately if any problems are found.**
2. Before each operation inspect the roll out operation for smooth function and no hang ups. Cracks, broken parts, or leaking cylinders need to be addressed before operation
3. Clear debris and material away from Roll-Out tunnels and cylinders throughout the operation.
4. Remove and inspect pins for stress and wear every 250 hours of operation.
5. Roll-Out Bumpers should be replaced when worn to avoid stressing bucket hinges and pins.
6. Grease all hinge points before each use, greasing hinge points during operation might be necessary as well.

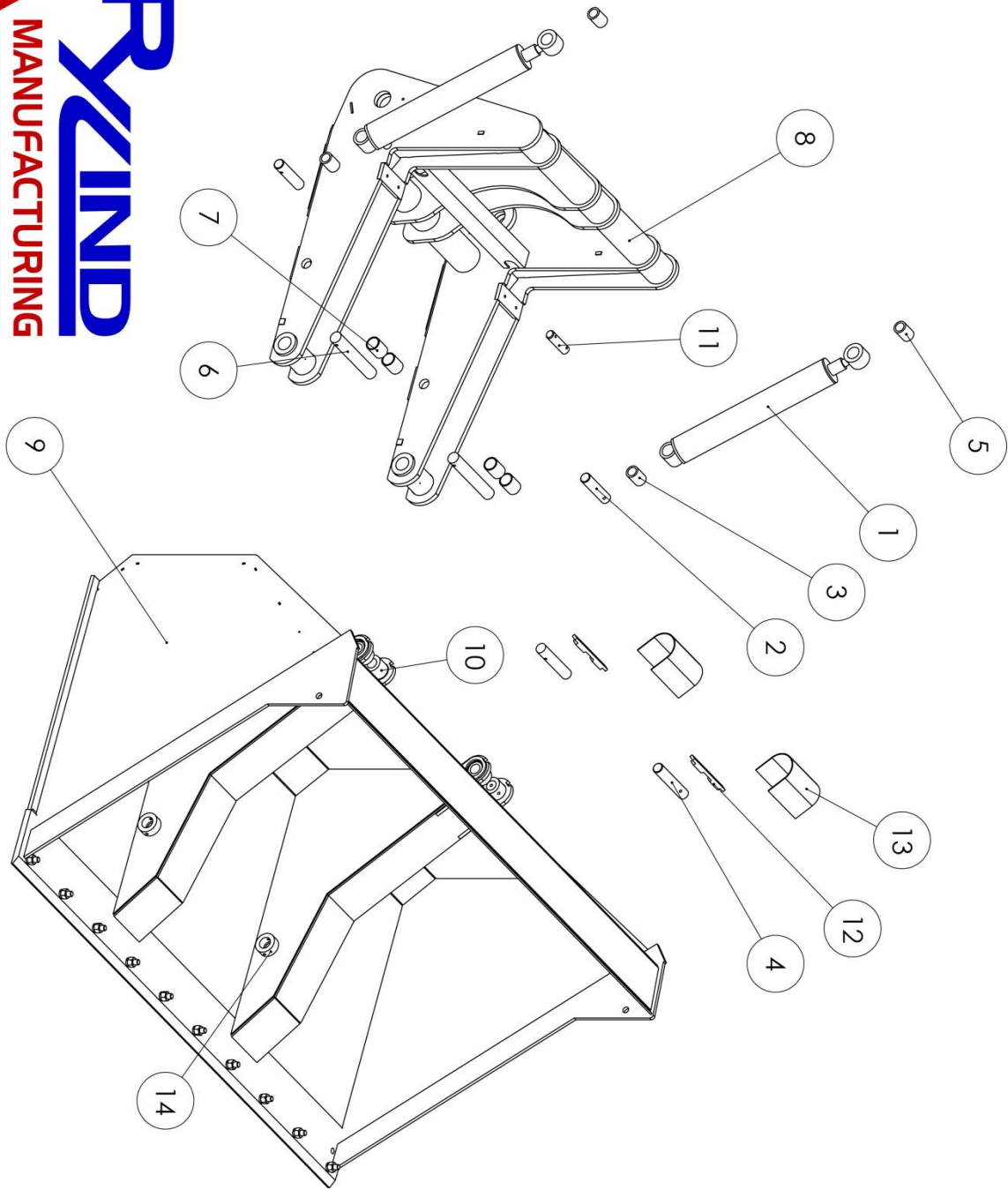


Roll-Out Parts

ROB Bucket Parts List

**Model and Serial Number required when ordering Parts*

| # | # Required | Part Number | Description |
|----|------------|------------------|---|
| 1 | 2 | (Model Specific) | Complete Hydraulic Cylinder |
| 1 | 2 | (Model Specific) | Cylinder Seal Kit |
| 2 | 2 | (Model Specific) | Cylinder Barrel End Pin |
| 3 | 2 | (Model Specific) | Cylinder Barrel Bushing |
| 4 | 2 | (Model Specific) | Cylinder Rod End Pin |
| 5 | 2 | (Model Specific) | Cylinder Rod Bushing |
| 6 | 2 | (Model Specific) | Bucket Hinge Pin |
| 7 | 4 | (Model Specific) | Bucket Hinge Pin Bushing |
| 8 | 1 | (Model Specific) | Roll-Out Carriage |
| 9 | 1 | (Model Specific) | Roll-Out Bucket Assembly |
| 10 | 4 | (Model Specific) | Weld-on Cylinder Rod Pin Boss |
| 11 | 2 | 30127 | General Bumper |
| 11 | 4 | 9002626460 | 3/8-16X2-1/2 Allen Head Screw (2 Per Bumper) |
| 11 | 4 | 2062600021 | 3/8-16 Nut (2 Per Bumper) |
| 11 | 4 | 3502600021 | 3/8 Lock Washer (2 Per Bumper) |
| 13 | 2 | 30134 | Cylinder Rod Cover Plate (Optional) |
| 12 | 2 | (Model Specific) | Rod Pin Boss Top Brace |
| 14 | 4 | 30132 | Inside Bucket Hinge Pin Boss |
| - | 1 | 30120-1 | Hydraulic Pressure Relief Valve |
| - | 1 | (Model Specific) | B/O Reversible Edge Kits |
| - | 4 | (Model Specific) | Weld-on Heel Plates |



*Picture may not reflect current design



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LIMITED WARRANTY

Rylind Manufacturing Inc. Is a company related to and having the responsibility for the manufacturing, marketing, and distribution of the product line known by the registered trade name "Rylind"

Rylind Manufacturing, Inc. warrants these products to be free of defects in material and/or workmanship for a period of one (1) year or 2,000 hours from the date of purchase under normal use and service providing that:

- A. All products and related components are installed properly according to instructions and that proper maintenance and greasing of movable parts is completed on a regular basis.
- B. The attachment products and related components are used only for the purpose for which they were intended as designated by the manufacturer and that the rated capacities are not exceeded.
- C. This is a "PARTS ONLY" warranty for defects in hydraulic components not typical maintenance parts (i.e. seal kits, hydraulic hoses, cylinders, or vendor supplied valves). This means the hydraulic part will be replaced freight prepaid from the factory. Travel time or labor to replace the defective component is "NOT" included in this warranty. Return of the defective parts for inspection may be requested.
- D. Hydraulic kits and components are warranted for one (1) year from invoice date. Cylinders must be returned in their entirety and not have been disassembled to be considered for warranty. After warranty replacement parts include cylinders, hydraulic valves, seal kits, electric components, and wear parts are warranted for 90 days from the date of purchase. Disassembly, modification or welding of any kind without the written permission of Rylind Manufacturing voids the warranty on the cylinder and seals. All warranty components must be packaged and sealed to avoid contaminants from entering during shipping. Improperly packaged components will not be considered for warranty. Hydraulic hoses are warranted against failure due to workmanship. Improper installation, ripping, cutting, or wear due to rubbing is not covered under warranty.
- E. Defects in materials and/or workmanship with respect to welding or structural failures will be paid at a rate not to exceed 70% of the advertised charge out rate. Repairs must be authorized by Rylind before work proceeds. Travel time or mileage is "NOT" included. All warranty work to be performed must be authorized by Rylind Manufacturing, Inc. Repair or replacement will be at our discretion. Estimates of the total costs involved must be given to us before proceeding with any work involving a Rylind product. No warranty will apply to products that have been modified or repaired without our authorization. Normal wear and tear will not be considered as a defect. Accidents, misuse or negligence does not justify warranty. This warranty does not

include or cover purchased subassemblies including, but not limited to, teeth, fork tines, cylinders, wear plates, edges, etc... Such purchased subassemblies are covered only by the OEM's warranty, if any, of their respective manufacturer, and not Rybind Manufacturing.

F. Limitations

- a. This limited warranty does not cover product, which in the opinion of Rybind, is damaged due to abuse, misuse, misapplication, prohibited operation, improper maintenance, alteration, unauthorized service, contamination by the base machine, or normal wear and tear. This warranty is null and void if the product is modified in any way without the written consent or instruction of Rybind.
 - b. This limited warranty is null and void if the product is used in a prohibited operation, or unauthorized adjustment/assembly/disassembly has occurred.
 - c. Dealers or Agents of Rybind have no authority to make any type of representation or warranties on behalf of Rybind Manufacturing beyond those expressly set forth in this document.
 - d. This warranty is in lieu of and excluding all other warranties preceding it including and without limitation to any implied warranties of merchantability or fitness for a particular purpose.
- G. In no event shall Rybind be liable to any party, including but not limited to buyer for any direct, incidental, consequential, punitive, or special damages, including but not limited to loss of profits, loss of productivity, in any way related to or arising, directly or indirectly from the product. The liability of Rybind for any and all losses and damage to buyer, its successors and assigns, resulting from any cause whatsoever, including the negligence of Rybind, irrespective of whether such defects are discoverable or latent, shall in no event exceed the purchase price of the product with respect to which such losses or damages are claimed.
- H. All returned products must be shipped to the following address to avoid any delay or expense in the warranty process:

**Rybind Manufacturing, Inc.
Warranty/Service Department
16178 Front Ave
Atwood, CO 80722**