

Item / Qty / Part No. / Description 01 1 CA4997002 Top cap 02 1 AA4465000 Spring 03 1 CA3139000 Piston 04 1 M57000002 • U-Cup seal 05 1 M69100002 • Latch pin 1 M57000001 • U-Cup seal 06 07 1 CB6509000 Bodv 80 1 BB6654000 Latch 1 CB5417000 Hook 09 10 1 AA7842000 Hook pin 11 4 M30600006 • Tie bolt 1 AA4197000 • Latch spring 12 13 2 BB8401000 • Bolt Locking Tab 1 M30100013 Set screw 14 1 M30100013 Jam set screw 15 Relief valve 16 1 M24250049 17 1 AB0121000 Caution sticker 18 1 M18500013 Tapered plug

• Recommended Spares

Warning- Only use #M30600006 Bolts. They are special high strength bolts. Do not substitute any other hex head bolts.

ATTENTION- Cranston assembles each hook using a NLGI #2, marine grade, calcium sulfonate base grease (Example: Lucas Marine Grease) which seals out water and inhibits corrosion. Any substitution must be NLGI #2, have a washout rating of less than 3% (typically Calcium Sulfonate or polymerized PTFE), and a viscosity of 120-220 cSt. Ensure grease not applied to threaded areas.

Product description and specification is subject to change without notice. All products and services are covered by Cranston standard terms and conditions, including limits of liability and warrantee effective at the time of sale. Available upon request. © Cranston Machinery Co., Inc.

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Please visit us at: cranston-machinery.com

Our phone number is: + 001 (503) 654-7751

INDICATES

LUBRICATION POINTS

Cranston Machinery Co. In. 2251 S.E. Oak Grove Blvd. Oak Grove, Oregon 97267



Introduction:

The Cranston UNIHOOK™ is a very robust, marine grade, lifting device, designed to provide remote release of a pre-slung load.

The user must assemble the UNIHOOK™ to a properly rated chain assembly and plumb to a pressurized, regulated air or nitrogen supply.

During attachment to a lifting sling (multiple wire strands, wire ropes, slings, rings, etc.), the pivoting hook is manually cocked in the locked position.

To unlatch the pivoting hook from the locked position, the load must be removed from the hook before the pneumatic supply is applied. For relocating slings, or other similar light load applications (up to 45Kg/100#), the pivoting hook can be released.

Limitation of Liability. Rigging, conditions of use, and maintenance of cargo handling gear is outside of Cranston Machinery Control. The user, therefore, must evaluate each application under the condition of use and the safety factor pertinent to the appropriate industry, to determine the safe application of the Cranston Machinery UNIHOOK™

ATTENTION- All owners, users and technicians should review Cranston Specification CS005 prior to operation or servicing of this UNIHOOK™. CS005 is available thru Cranston's website. CS005 includes detail on use, maintenance, and warranty

WARNING- It is imperative that the pressurized pneumatic supply does not exceed .14MPa / 20PSI. An internal pressure relief valve is incorporated into this model UNIHOOK™ to audibly alert the user of an over pressure condition, indicating use should be discontinued, until the condition is corrected.

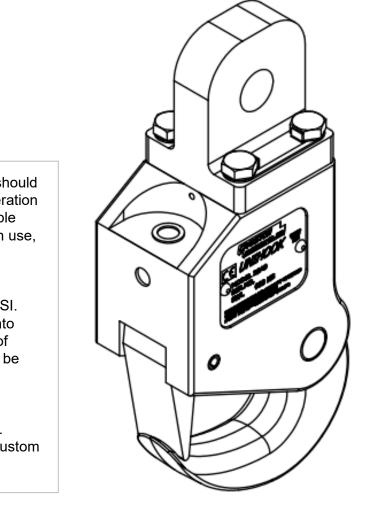
NOTE- Cranston Machinery would be pleased to consider any special requirements you may have. Cranston Machinery designs and manufactures custom tools, lift beams and automated equipment.

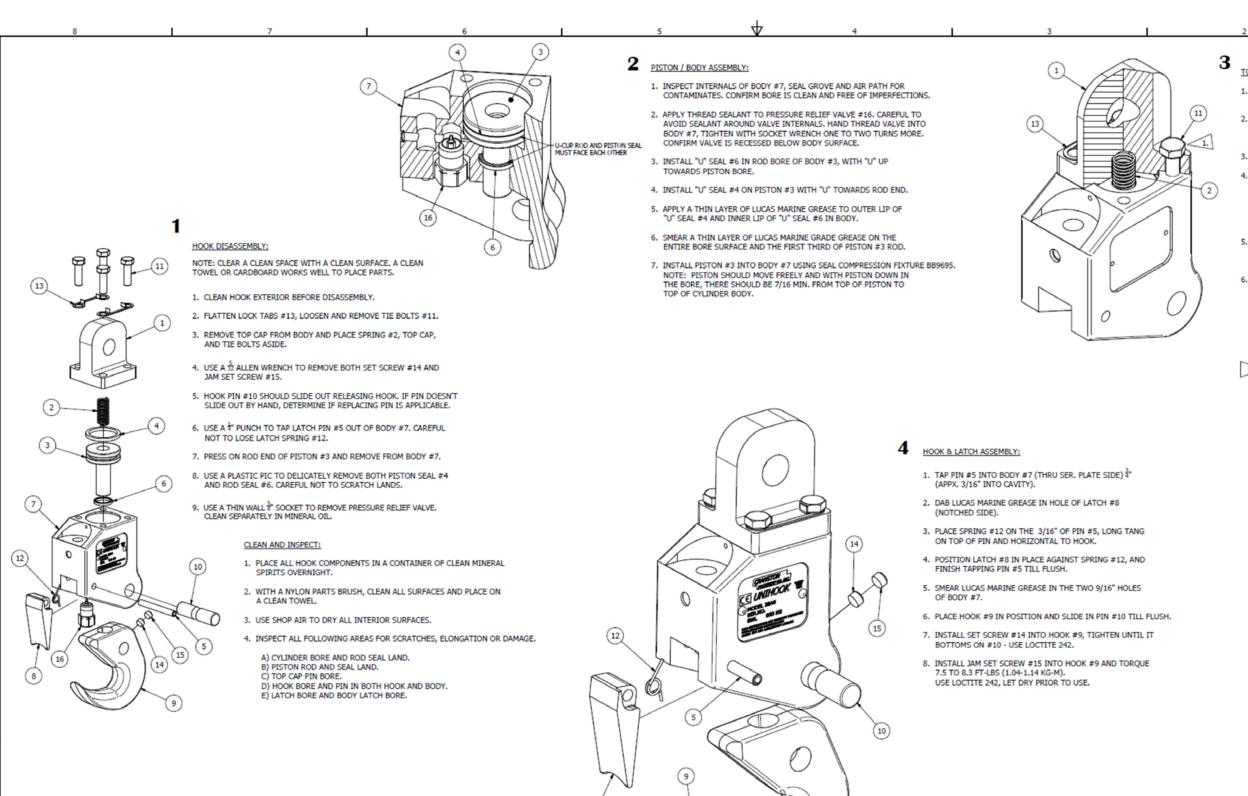
2251 S.E. OAK GROVE BLVD., OAK GROVE, OREGON 97267 +001 (503) 654-7751 www.cranston-machinery.com

Bulletin No:	L055
UNIHOOK™ Model:	26A108
Issued:	220509
Patent No:	11434110
r atent no.	11454110

Specifications:

- Safe Working Load: 3 Metric Tonnes
- Design Safety factor: 4 x SWL
- Certified Testing for each UNIHOOK™: 2 x SWL
- Operating Temperature: -35°C +175°C
- Typical Weight: 5kg / 11#
- Guidelines for Maintenance, Use and Care: CS005
- Top Cap Features: Fixed Cap
- Pivoting hook Material choice: Wear resistant
- CE Compliance: Yes
- Tested for Underwater release: Yes





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- 1. PLACE SPRING #2 ON PISTON AND INSTALL TOP CAP #1 ON PISTON BODY ASSEMBLY.
- 2. INSERT TWO BOLTS #11 WITH EACH OF TWO LOCK TABS #13 THRU EACH SIDE SIDE OF TOP CAP. THREAD BOLTS LOOSELY INTO BODY.
- 3. TIGHTEN #11 BOLTS IN A CROSS PATTERN TILL SNUG.
- 4. PRELIMINARY TEST WITH 20 PSI AIR, PISTON SHOULD MOVE FREELY, SUBMERGE BODY INTO WATER AND CHECK FOR AIR LEAKS. NOTE: IF AIR LEAKS, DISASSEMBLE, CHECK U-CUP SEALS #4 AND #6 FOR DAMAGE, CHECK BODY #7 FOR SCRATCHES IN SEAL LANDS. THEN REASSEMBLE AND RETEST.
- 5. INCREASE PRESURE, AT 25 PSI AND ABOVE AIR ESCAPE OUT PRESSURE RELIEF VALVE. IF NOT VALVE SHOULD BE REPLACED WITH NEW.
- 6. TORQUE #11 BOLTS IN A CROSS PATTERN TO 24-29 FT-LBS (3.32-4.01 KG-M). MAKE SURE A FLAT ON EACH BOLT IS ALIGNED WITH A LOCK TAB AND THEN BEND UP LOCK TAB AGAINST BOLT HEAD.
- 1 WARNING! ONLY USE THE M30600006 BOLTS. THEY ARE SPECIAL HIGH STRENGTH BOLTS. DO NOT SUBSTITUTE ANY OTHER HEX HEAD BOLTS.

