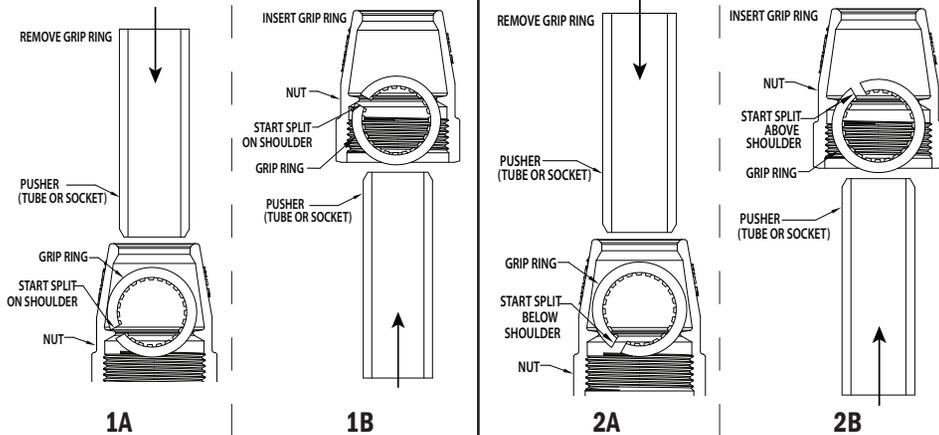




Handy-Loc "H" & "-3H" Series Connectors Grip - Ring Replacement Instructions

3/4" CTS

1" CTS | 3/4" & 1" PEP



The steps listed below explain the process of replacing used Handy-Loc Grip Rings with new grip rings.

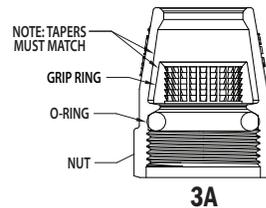
CAUTION: When removing and installing Handy-Loc Assemblies, always use smooth jaw wrenches. Avoid loose fitting wrenches. Do not drop or impact.

REMOVE GRIP RING

1. Remove nut/grip ring/o-ring assembly from installation. Remove o-ring.
2. Turn grip ring on edge and spin grip ring inside nut until split is in proper location. (See diagram 1A or 2A)
3. Use a rigid object that just fits inside narrow end of nut to push the grip ring out towards the threaded end of the nut.

INSTALL NEW GRIP RING

1. Remove any debris from inside of nut. O-ring, gripper and section of pipe must be kept clean.
2. Set grip ring on edge in threaded end of nut with split in proper location. (See diagram 1B or 2B)
3. Use rigid object to push grip ring into nut.
4. Inspect grip ring for damage and remove if cracked or chipped.
5. Orientate grip ring so that outside taper matches inside taper of nut (See diagram 3A).
6. Replace o-ring with NEW o-ring. DO NOT USE PETROLEUM BASED PRODUCT ON O-RINGS.



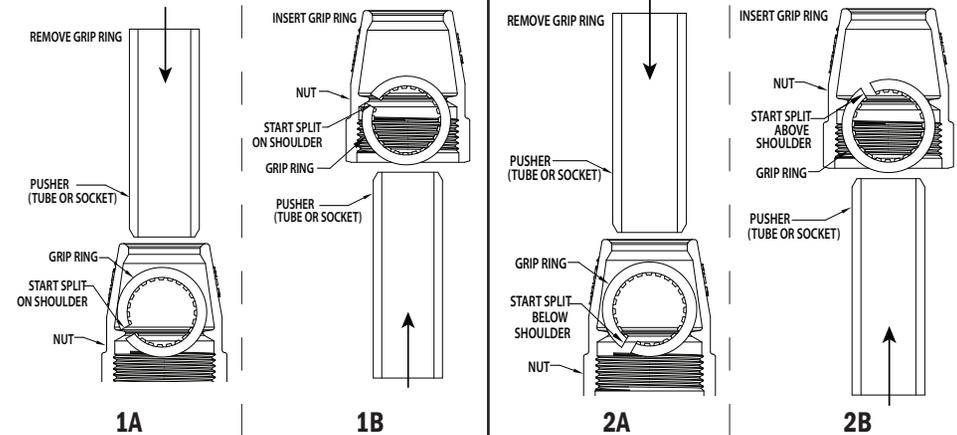
FOLLOW REPLACEMENT/INSTALLATION INSTRUCTIONS FOR HANDY-LOC ASSEMBLIES TO PROPERLY INSTALL HANDY-LOC ASSEMBLY.



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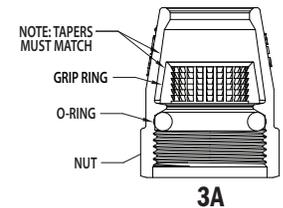
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3. Use rigid object to push grip ring into nut.
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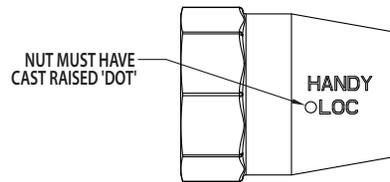


Handy-Loc "H" & "-3H" Series Connectors Grip - Ring Replacement Instructions

A.Y. McDonald waterworks products are designed for reliable service. Like all no-lead brass products, however, they can be damaged by improper handling and use.

CAUTIONS

1. Grip rings should only be replaced in Handy-Loc nuts that have a raised "dot" cast into the outside of the nut next to "HANDY LOC". If the nut needing a grip ring replacement does not have the "dot", the nut **SHOULD NOT** be used.



2. Inserting/Removing grip rings can cause pinch points. Appropriate precaution should be taken.
3. Inserting/Removing grip rings can place tension in grip ring and cause it to eject rapidly. Always push grip ring **AWAY** from yourself and others to prevent injury.

DAMAGE CAUSED BY IMPROPER USE AND/OR HANDLING WILL VOID OUR WARRANTY.

! **WARNING:** It is unlawful in **CALIFORNIA & VERMONT** (effective 1/1/2010); **MARYLAND** (effective 1/1/2012); **LOUISIANA** (effective 1/1/2013) and the **UNITED STATES OF AMERICA** (effective 1/4/2014) to use any product in the installation or repair of any public water system or any plumbing in a facility or system that provides water for human consumption if the wetted surface area of the product has a weighted average lead content greater than 0.25%. This prohibition does not extend to service saddles used in California, Louisiana or under USA Public Law 111-380.

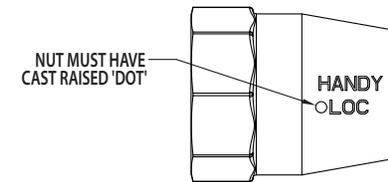


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