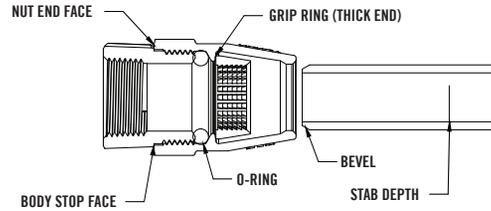




IMPORTANT NOTICE - READ CAREFULLY

# "H" & "-3H" Series Compression Connectors

For use on PE tube only. Do **Not** use on copper tube.



The A.Y. McDonald Series compression system is a simple convenient method of connection for tube size service materials (See table below for approved tubing specs.)

The simple steps listed below will make your job easier and assure fast, safe, and watertight connections:

1. Service tubing should always be **snaked** in the ditch.
2. Keep the interior of the connection free of sand or dirt. If sand or dirt get into the connection, wash thoroughly with clean water to remove it prior to tube installation.
3. Use a tube cutter to assure a square end. Make sure tube is round. Surface should be clean and free of nicks.
4. Use chamfer tool to bevel lead edge of tubing, **do NOT lubricate tubing or use an insert stiffener** (chamfer tool available through A.Y. McDonald Mfg see chart below).
5. For CORPORATION STOPS ONLY, remove Handy-Loc nut for installation of corp. Reinstall nut to stop with smooth jaw wrench. Do not use thread sealant. For all other installations, Do Not disassemble or loosen nut.
6. Remove plastic cap/plug and verify grip ring is oriented as shown in diagram to ensure proper tube installation. The thick end of the grip ring should be facing the o-ring.
7. Mark tube from lead edge to ensure proper insertion depth. (See chart below for required depth), stab tube through nut, grip ring, and o-ring until end of nut is even with mark. (Some fittings may or may not have a stop). Pull on tube to lock in place.
8. DO NOT REUSE GRIPPER/NUT ASSEMBLY.
9. **PRESSURE TEST FOR LEAKS BEFORE BACKFILLING.**
10. **USE ONLY ON COLD WATER SERVICES.**
11. A.Y. McDonald is not responsible for damage resulting from improper installation of the Handy-Loc Nut Assembly.

### Types of tubing for use with A.Y. McDonald Fittings

| NOMINAL SIZE | POLYETHYLENE<br>ASTM D2737 SDR 9<br>TUBE SIZE O.D. | POLYETHYLENE<br>ASTM D2239 SDR 7<br>TUBE SIZE O.D. | A.Y. McDonald<br>Chamfer Tools | Tubing Stab<br>Depth |
|--------------|--|--|--------------------------------|----------------------|
| 3/4" (H)     | .871/.879  | NA   | 4772 3/4"                      | 2 1/8"               |
| 1" (H)       | 1.120/1.130  | NA   | 4772 1"                        | 2 3/16"              |
| 3/4" (-3H)   | NA   | 1.045/1.110 (1.089)                                | 4773 3/4"                      | 2 3/16"              |
| 1" (-3H)     | NA   | 1.329/1.399 (1.384)                                | 4773 1"                        | 2 7/8"               |

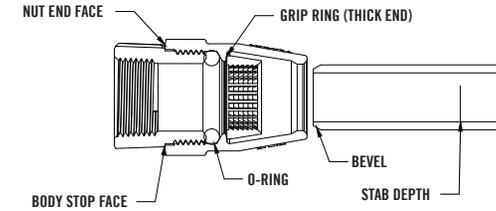
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Installation Instructions

## "H" & "-3H" Series Compression Connectors

A.Y. McDonald waterworks products are designed for reliable service. Like all brass products, however, they can be damaged by improper handling and use.

### CAUTIONS

1. Protect threads. Avoid loose fitting wrenches. Do not drop or impact.
2. Use extra care with high water pressures (over 100 PSIG). Consult factory if desired.
3. Inspect and test all joints, valves and fittings before backfilling.
4. Backfill carefully so as to avoid damage to the service line and connections. Looping of the service lines is recommended to minimize strain.
5. DO NOT use Vaseline®, plumber's grease, or any other petroleum based product on seals or o-rings.

**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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