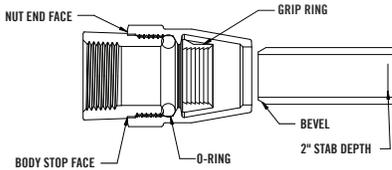




Replacement Instructions for Handy-Loc ("3H") Series Compression Nut Assembly Installation



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.)

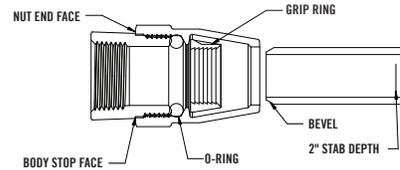
The simple steps listed below will make your job easier and assure fast, safe, and watertight connections:

1. Handy-Loc Nut Assemblies may only be used on bodies designed for the Handy-Loc nuts. Using Handy-Loc nuts on bodies not designed for Handy-Loc nuts **will** cause failure. If you have any question as to whether the mating part is designed for the Handy-Loc nut, contact A.Y. McDonald Mfg. Co.
2. The A.Y. McDonald Handy-Loc Nut Assembly works only with A.Y. McDonald parts.
3. Prior to assembly verify that the grip ring and o-ring are oriented as shown in the diagram.
4. Install Handy-Loc Nut Assembly onto body and tighten to the stop prior to installing PE pipe.
5. Service tubing should always be **snaked** in the ditch.
6. Use a tube cutter to assure a square end. Make sure pipe is round. Surface should be clean and free of nicks.
7. Use chamfer tool to bevel lead edge of tubing, **do NOT use insert stiffener** (chamfer tool available through A.Y. McDonald Mfg).
8. Mark tubing 2" from lead edge, (**Do not lubricate tubing**) stab tube through nut and into the socket of the valve or fitting until end of nut is even with mark. Some fittings may or may not have a stop). Pull on tube to lock in place.
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 use of the Handy-Loc Nut Assembly with an improper body or improper installation.

Types of tubing for use with "3H" A.Y. McDonald Fittings (Outside Diameters listed)	
NOMINAL SIZE	POLYETHYLENE ASTM D2737 SDR 9 TUBE SIZE
3/4"	1.045/1.110
1"	1.329/1.399



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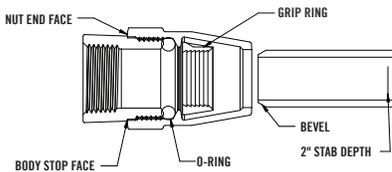
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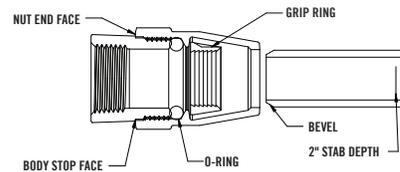
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A.Y. McDonald waterworks products are designed for reliable service. Like all brass products, however, they can be damaged by improper handling and use.

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.

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