

HYMAX[®]

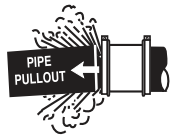
a MUELLER brand

HYMAX PRO (12" - 24") Installation Instructions

PRODUCTS

- **HYMAX[®] Pro** Dedicated Coupling

WARNING



This product does not restrain axial pipe movement. Proper anchorage of the pipe is required if this product is used as a coupling. Failure to anchor the pipe ends could result in the escape of line content, and may cause property damage, serious injury or death.



Caution: This product is not intended for use on natural gas piping, or any other type of gas piping. To do so could result in escaping gas that could ignite and cause property damage, serious injury or death.

WARNING

WHEN INSTALLING ON ASBESTOS CEMENT PIPE

Danger: Asbestos Dust Hazard. Avoid Breathing Dust. Wear Assigned Protective Equipment. Do not remain in area unless your work requires it. Seek compliant expert advice for breathing protection and protective equipment. Call OSHA 1-800-321-6742 for more information.



IMPORTANT

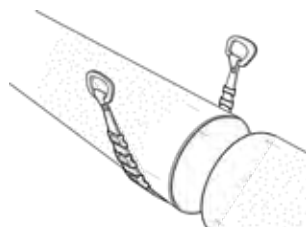
- **The HYMAX Pro Series products are stab-on type couplings.** Do not disassemble the product. DO NOT lubricate nor loosen the bolts.
- **DO NOT lubricate bolts and nuts.** Bolts are pre-lubricated with a mag (molecular anti-galling) dry coating. Greasing bolts or nuts voids manufacturer's warranty.
- **Use a torque wrench to tighten the bolts.** A torque wrench will assure a proper torque has been applied to the coupling.
- **Tighten bolts to the torque value** provided on the label in one continuous step. HYMAX Pro products do not require a gradual increase of torque over a specified period, nor do they require re-torque. The minimal torque requirements must be achieved prior to any recharging of the line.
- **Make sure you have proper support for the pipes.** The HYMAX Pro is not designed to carry the pipes' weight.
- **For HDPE,** pipe stiffeners or inserts are required.

PREPARE PRODUCT AND PIPE FOR INSTALLATION

STEP 1: CLEAN AND DESCALE THE PIPE

MAKE SURE THAT:

- The pipe is clear from debris and defects.
- The pipe is not out of round and is free of scratches, dents, and flats.



STEP 2: MEASURE THE PIPES' OD

MEASURE twice and make sure the coupling size range (as indicated on the product's label) will fit the pipes properly.



JOIN



REPAIR



RESTRAIN



TAP

MUELLER

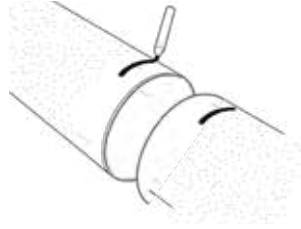
INSTALLATION OF THE COUPLING

STEP 3: MARK THE PIPE

Mark each pipe end according to the minimum stab depth indicated on the label.

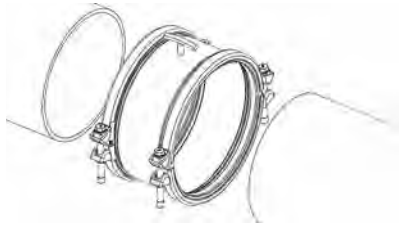
DO NOT LUBRICATE BOLTS!

Except Steel, PVC and PE pipes, all rough-surfaced pipes must be lubricated with water-based gasket lubricant.

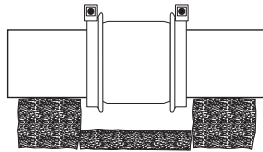


STEP 4: POSITION THE COUPLING FOR INSTALLATION

Stab the HYMAX Pro coupling over the pipe end with bolts positioned for easy access.



Make sure that the pipes are properly supported.



STEP 5: INSTALL

If possible, place the coupling(s) on the pipe with top-facing bolts and lower the pipe and coupling(s) into place.

Slide the coupling(s) onto the pipes so that they cover the markings made in step 3.



STEP 6: TIGHTEN BOLTS

Tighten the HYMAX Pro coupling's bolts using a torque wrench:

Product Size	Socket Size
12"	$\frac{7}{8}$ "
14" - 24"	1 $\frac{1}{16}$ "

Tighten the bolts evenly from head bolt side in an alternating pattern to the torque indicated on the label.



Cross-tightening ensures that the gasket is evenly seated. When you finish, re-check the torque again.

NOTE: Use of a torque wrench is required!

STEP 7: CHARGE THE LINE

Charge the line and check for leaks. If any leakage across the seal end is evident, reduce the pressure in the line and increase the labeled torque of the end ring bolts by up to 50%*.

*For 20" Ductile Iron Pipe, the maximum allowable torque is 150 ft-lbs

*For 24" Ductile Iron Pipe, the maximum allowable torque is 160 ft-lbs

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