



## COUPLING/ LONG BODY COUPLING/ CATHODIC (1.5" - 12")

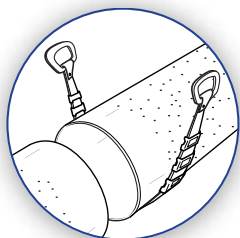
**DO NOT DISASSEMBLE THE COUPLING. DO NOT LUBRICATE THE BOLTS. DO NOT TEAR THE GASKET - SEE INSTRUCTIONS.**

### GENERAL INSTRUCTIONS

THE HYMAX2 COUPLING IS A WIDE-RANGE COUPLING, FEATURING A PATENTED FLIP GASKET. DO NOT ATTEMPT TO REMOVE THE GASKET USING A SCREWDRIVER. GASKET CAN BE EASILY OPENED BY HAND TO ACCOMMODATE LARGER OD PIPES. PLEASE READ INSTRUCTIONS FOR FURTHER INFORMATION.

**NOTE:** TIGHTEN BOLTS TO THE TORQUE VALUE PROVIDED ON THE LABEL IN ONE CONTINUOUS STEP. KRAUSZ 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.

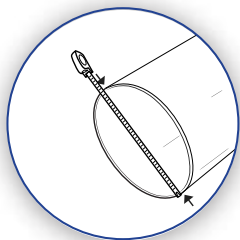
#### STEP 1



Prepare both pipe ends of the existing pipe by descaling if required. Clean the pipe using water. Make sure that the pipe is clear from debris and defects that may interfere with the HYMAX's proper seal.

**NOTE:** All rough-surfaced pipes except steel, PVC, and PE pipes, must be lubricated with a water-based gasket lubricant in order to achieve a proper seal.

#### STEP 2

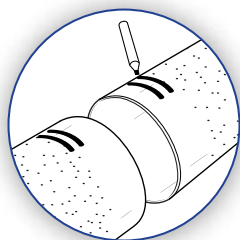


Measure the pipe's outer diameter and make sure the coupling's size fits the pipe properly. Unpack the coupling. Inspect it.

**NOTE:** The HYMAX coupling is a stab-on coupling. Do not remove the end ring bolts.

**NOTE:** Bolts are pre-lubricated with a MAG (Molecular anti-galling) dry coating. Do not lubricate the bolts and nuts. Greasing bolts or nuts voids manufacturer's warranty.

#### STEP 3



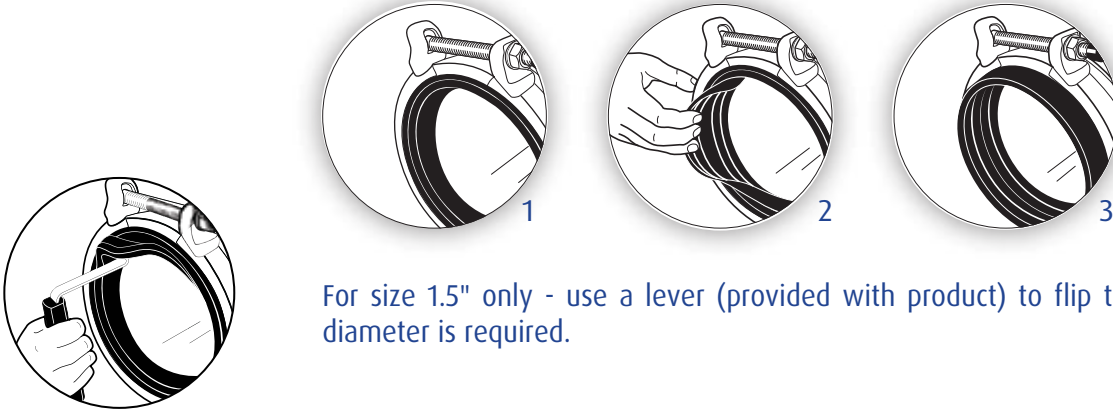
Mark each pipe end.

**NOTE:** Make 2 markings on each pipe - one for the closed position of the gasket and one for the open (flip) position. The mark for minimum stab depth which is closer to the product is at a distance of 2.25" from the edge, the mark further away at 3.25", which is for the open gasket position.

#### STEP 4

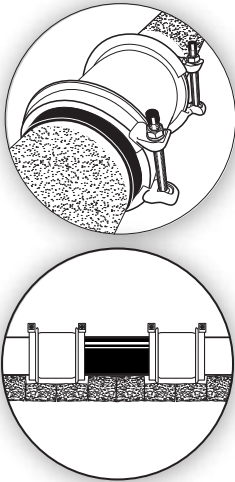
The coupling's gasket system has two positions - A closed gasket position and an open gasket position. The open position is used to accommodate larger OD pipes within the working range. If a larger OD pipe is used, hold the gasket with your fingers and unfold it to an open position. Look for the working range on the product label to determine if the product range is within the higher or the lower range.

**NOTE:** Do not tear the gasket.



For size 1.5" only - use a lever (provided with product) to flip the gasket out if wider pipe diameter is required.

#### STEP 5



Position the coupling for installation. If possible place the couplings on the replacement pipe with top-facing bolts and lower the pipe and couplings into the ditch. Slide the couplings outward so that it covers the marks made in step 3.

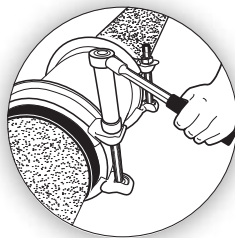
Make sure that the pipes are not touching inside the body of the HYMAX. There must be space between the pipes in order for continuous dynamic deflection to take place.

Make sure that the pipes are properly supported.

**NOTE:** For uncoated ductile iron, grey cast iron and asbestos cement pipe surfaces - An appropriate water-based gasket lubricant is required on both gasket and pipe's outer surface. Do not lubricate PVC, steel or any PE pipe surfaces.

**DO NOT LUBRICATE BOLTS!**

#### STEP 6


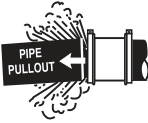




Tighten the end rings. Tighten the coupling bolts to the right torque shown on the product's label. When you finish, re-check the torque again.

**NOTE:** Use of a torque wrench to tighten the bolts is required. A torque wrench will assure a proper torque has been applied to the coupling. Do not use other tools to tighten the coupling's bolts!

## STEP 7

Recharge the line and check for leaks. If any leakage is evident, reduce the pressure in the line and increase bolt's torque up to 50%. Verify again there are no leaks along the seal.

 <b>WARNING</b> 	<p>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.</p>	 <b>WARNING</b> 	<p><b>Caution:</b> 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.</p>
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