

DO NOT DISASSEMBLE THE COUPLING



Total Piping Solutions, Inc.

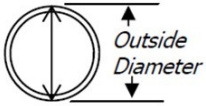


KRAUSZ

Installation Instructions for Large Diameter Hymax® Couplings (14" and larger in Diameter)



General Instructions: The large diameter Hymax Coupling is a stab-type coupling. Do Not Disassemble the Coupling



Step 1: Check the diameter of the pipe and verify the size of the coupling for proper fit. Note: The applicable size range of the coupling is shown on the product label. Confirm that the pipe is round, free of scars, dents, flats or other defects that may interfere with the coupling seal. The coupling may not fit or function on pipe that is out of round.



Step 2: Unpack the coupling. Carefully remove the coupling from the packaging. Prevent damage to the coupling by moving it with a sling or lifting hook. Inspect the coupling and end rings for shipping damage and verify that there are no missing parts.



Step 3: Prepare the pipe ends. Clean and de-scale each pipe end. Remove any debris or build up on the pipe ends and clean the outer pipe surface with soapy water. Clean each pipe end to a distance that is equal to the length of the coupling body or center ring. Make sure there is no corrosion on the outer pipe ends that could affect the gasket seal. Again, clean each pipe end with soapy water.



Step 4: Marking the pipe ends to the proper stab depth. Standard couplings with a 12 inch long middle ring should be match marked to a distance of 5 inches from the pipe end. This mark indicates the required stab depth of the coupling.



Step 5: Back out the centering pins. Use an open-ended wrench or socket wrench to fully retract the centering pins. This allows the coupling to be stabbed over the pipe end without interference, and also allows for proper positioning.



Step 6: Sizing the Gasket. This is a wide range stab fit coupling with a two layer hydraulic gasket. Do not tear out the inner gasket layer unless the measured pipe diameter falls within the upper range of the coupling as shown on the product label. If the inner layer of the gasket must be removed for proper fit to the pipe, then fold the inner layer of the gasket in and break the parting line with a screwdriver. Under no circumstances should the inner layer of the gasket be removed unless the pipe diameter is verified to fall in the high (upper) range of the coupling as shown on the product label.

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Step 7: Positioning the Couplings. Once the gasket is properly sized, position the coupling over the pipe ends between the match-marks on the pipe. For uncoated ductile iron, grey cast iron and asbestos cement pipe surfaces, appropriate gasket lubricant is required on both the inside surface of the gasket and the outer pipe surfaces. Do not lubricate PVC, Steel or any PE pipe surfaces.



Step 8: Tightening the end rings. Tighten the coupling bolts using a 15/16" socket wrench. Cross-tighten both bolts evenly on each end ring to a torque of 150 ft-lbs. Cross-tightening ensures that the gasket is evenly seated.

"DO NOT LUBRICATE BOLTS"

Note: Use of a torque wrench is mandatory. The torque wrench will verify the proper torque has been achieved.




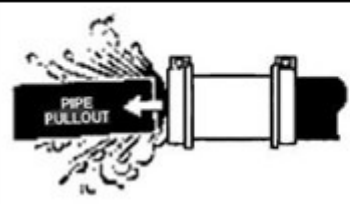


Step 9: Setting the centering pins. Secure the centering pins using an open-ended wrench or a socket wrench. Make sure the o-ring on each centering pin seats properly beneath the pin head. Fully tighten the centering pins into the coupling body. The pins prevent the coupling from drifting along the pipe.



Step 10: Recharge the line and check for leaks. Allow the coupling to sit for at least 10 minutes and re-torque before recharging the line. Recharge the line. If any leakage across the seal end is evident, reduce the pressure in the line and re-torque end ring bolts to the required torque.

Product Warnings

 WARNING	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	This is a non-restraining product. If pipe pullout can occur, proper anchoring of the pipe joint is required. Failure to anchor the pipe could result in the escape of line content, and may cause property damage, serious injury or death.
	

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