

DO NOT DISASSEMBLE THE COUPLING

TPS Total Piping Solutions, Inc.

Installation Instructions for Large Diameter Hymax[®] Coupling



General instructions

The Large Diameter Hymax[®] coupling is a stab-type coupling. It requires no disassembly. **Do not disassemble the coupling.**



Step 1 unpacking 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.



Step 2 preparing the pipe ends

Clean and de-scale the pipe ends. Remove any debris or build up on the pipe ends and clean the outer pipe surface with soapy water. Make sure there is at least a 2" gap between the pipe ends.



Step 3 marking the pipe ends

Match-mark the pipe ends 5" from each end. This indicates the maximum stab-depth of the coupling.



Step 4 backing out the centering pins

Use an open-ended wrench or a socket wrench to fully retract the centering pins. This allows the coupling to be stabbed on to the pipe and properly positioned.

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Step 5 sizing the gasket

This is a stab-on coupling. If the gasket does not easily slide over the pipe end, then the inner layer of the gasket must be removed. Fold the inner layer of the gasket in and break the parting line with a screwdriver. Peel out the inner layer of the gasket.



Step 6 positioning the coupling

Once the gasket is properly sized, position the coupling over the pipe ends between the match-marks on the pipe.



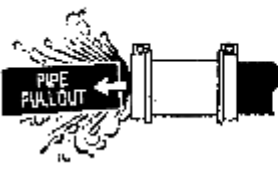
Step 7 tightening the end rings



Tighten the coupling bolts using a 15/16" 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.



Step 8 setting the centering pins

Secure the centering pins using an open-ended wrench or a socket wrench. Make sure the o-ring seats properly underneath the pin head. Fully tighten the centering pins into the coupling body. This prevents the coupling from drifting along the pipe. Recharge the line and check for leaks. Re-torque the end ring bolts if leaking is evident.

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

	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.

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