



HYMAX GRIP® SWIVELJOINT (LALO)*

ANGLES 0° TO 90°

(4"-12")

HYMAX®
Repair the past. Connect the future.

INSTALLATION INSTRUCTIONS

DO NOT DISASSEMBLE THE COUPLING. DO NOT LUBRICATE THE BOLTS.

GENERAL INSTRUCTIONS:

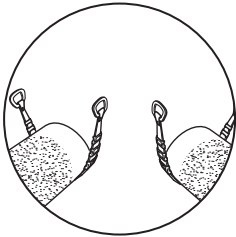
THE HYMAX GRIP SWIVELJOINT IS A UNIQUE STAB-ON TYPE RESTRAINT THAT CONNECTS AND RESTRAINTS TWO PIPES AT ANY ANGLE FROM 0 TO 90 DEGREES. IT IS APPROVED FOR USE WITH METAL AND PLASTIC PIPES.

WARNING: DO NOT ATTEMPT TO USE THE HYMAX GRIP SWIVELJOINT ON AC OR FRP PIPE!

PRECAUTIONS FOR HDPE PIPE: THE USE OF FULL CIRCLE STIFFENERS IS REQUIRED WHEN USING THE HYMAX GRIP SWIVELJOINT ON HDPE PIPE.

FOR OTHER MATERIALS, PLEASE CONTACT KRAUSZ USA OR YOUR KRAUSZ DEALER.

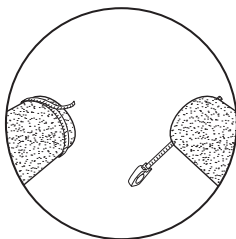
STEP 1



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

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

STEP 2



Measure both pipes' outer diameters and make sure the SWIVELJOINT's size will fit the pipes properly on both sides.

NOTE: The GRIP SWIVELJOINT's size range is shown on the product's label. Ensure that the pipes are not out of round and free of scratches, dents, flats or other defects which may interfere with the GRIP SWIVELJOINT's proper seal. The GRIP SWIVELJOINT may not fit well or function properly on pipe which is out of round or damaged.

STEP 3

Unpack the GRIP SWIVELJOINT. Carefully remove the GRIP SWIVELJOINT from its packaging. Inspect the GRIP SWIVELJOINT, if the end rings are not centered on the SWIVELJOINT do not use! Contact your distributor for return and replacement!

NOTE: The GRIP SWIVELJOINT 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 or lubricating bolts or nuts voids manufacturer's warranty.

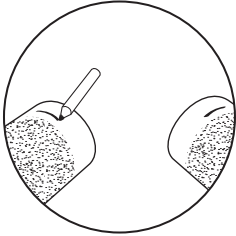
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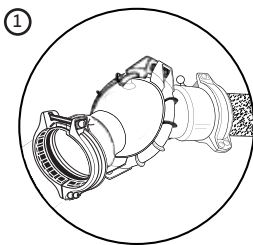
STEP 4



Mark the pipe end of the existing pipe and the end of the replacement pipe to the minimum required stab depth as indicated on the product label.

Measure the OD of the pipes TWICE using an OD tape! The GRIP SWIVELJOINT's size range is shown on the product label. Ensure that the pipes' OD fall within the GRIP SWIVELJOINT's size range.

STEP 5

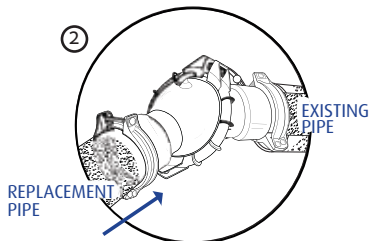


Installation: Slide the SWIVELJOINT on one pipe (Drawing 1) - do not tighten bolts. Position it so that it covers the marks made in step 4.

For uncoated ductile iron and grey cast iron pipe surfaces, appropriate water-based gasket lubricant is required on both gaskets' inner surface and pipes' outer surface. Do not lubricate PVC, steel or any PE pipe surfaces.

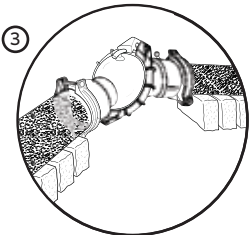
DO NOT LUBRICATE BOLTS!

STEP 6



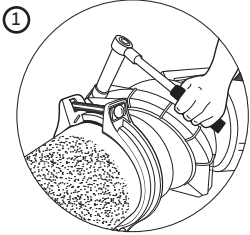
Slide the other coupling onto the other pipe.

Insert the replacement pipe into the SWIVELJOINT (Drawing 2), but do not tighten the bolts. Swivel the replacement pipe until it is in line with the other pipe.



Make sure that the pipes are properly supported (Drawing 3).

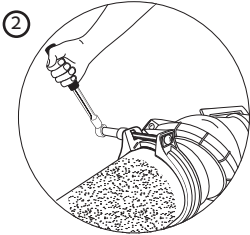
STEP 7



Tighten the central locking bolt on the middle part of the SWIVELJOINT (Drawing 1), and tighten the end rings (Drawing 2), to the correct torque shown on the product's label. By tightening bolts the GRIP SWIVELJOINT is steadily stabbed on the pipe.


DO NOT LUBRICATE BOLTS !

NOTE: Use of a torque wrench is required! The torque wrench will verify that the proper torque has been achieved. Refer to the product label for the proper torque settings.



STEP 8

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.

⚠ WARNING	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.
 A prohibition sign consisting of a circle with a diagonal slash over a hand pointing to a banner that says "NATURAL GAS". Below the hand is the word "NO!".	

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 **KRAUSZ** is the creator of HYMAX

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