

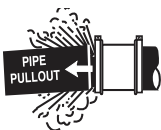
KRAUSZ®

a MUELLER brand

REPAMAX DN40-DN600, Range 12mm and 22mm Single-Layer Gasket

INSTALLATION INSTRUCTIONS

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.

IMPORTANT

- **The Repamax wrap-around coupling** may be used as a non-restraining stab type coupling or as a wrap-around repair clamp. Do not disassemble the product.
- **Lubrication of product and pipe.** Except steel, PVC, and PE pipes, all rough-surfaced pipes must be lubricated with a water-based lubricant in order to achieve a proper seal. DO NOT lubricate PVC, Steel or PE pipe surface.
- **DO NOT lubricate bolts and nuts.** Bolts are pre-lubricated with a MAG (Molecular anti-galling) coating. Greasing bolts or nuts voids manufacturer's warranty.
- **Use torque wrench to tighten the bolts.** A torque wrench will assure a proper torque has been applied to the Repamax. Use of other tools such as impact tool is allowed, as long as the last tightening is done using a torque wrench.
- **Transition capability.** The Repamax can transition between two pipe ends with a maximum outside diameter difference as indicated on the product label.
- **Pipe stiffeners or inserts** are required when used as a coupling to connect HDPE pipes.
- **This product should not** be installed under water pressure.



JOIN



REPAIR



RESTRAIN



TAP

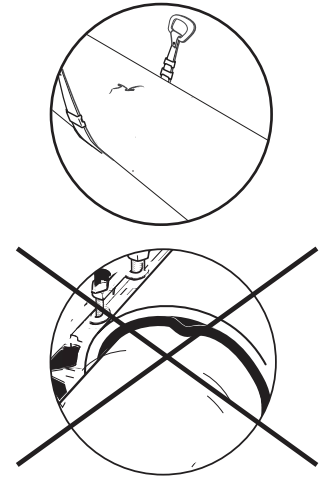
MUELLER

PREPARE PRODUCT AND PIPE FOR INSTALLATION:

STEP 1: PREPARE THE PIPE ENDS. CLEAN AND DE-SCALE THE PIPE AS NEEDED

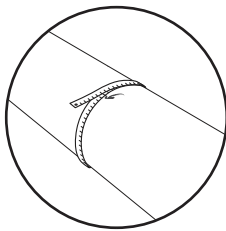
Remove any debris or build up on the pipe and clean the outer pipe surface with water. Clean the pipe to a distance that is equal to the length of the Repamax body. Confirm that the pipe is not out of round and that it is free of scars, dents, flats, excessive corrosion or other defects that may interfere with the seal. Lubricate the pipe using soapy water.

NOTE: Lack of lubricant may cause the gasket to form a "U" shape (see illustration). Installation without lubricant voids the warranty.



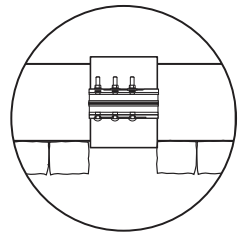
STEP 2: CHECK THE DIAMETER OF THE PIPE USING AN OD TAPE AND FOR PROPER FIT.

NOTE: The size range of the Repamax is shown on the product label.



STEP 3: MAKE SURE THAT THE PIPES ARE PROPERLY SUPPORTED.

NOTE: The Repamax is not designed to carry the weight of the pipe by itself.



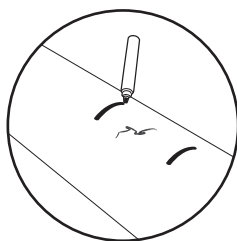
NOTE: IF USING REPAMAX AS A REPAIR COUPLING, PROCEED TO STEP 4. IF USING AS A STAB TYPE COUPLING, PROCEED TO STEP 10.

REPAIR COUPLING INSTRUCTIONS

WHEN REPAMAX IS USED AS A WRAP-AROUND REPAIR COUPLING:

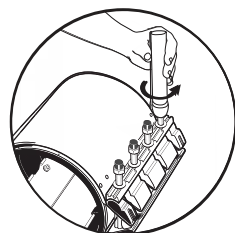
STEP 4: MARK THE PIPE .

Mark the pipe evenly on both sides of the crack according to the length of the product.

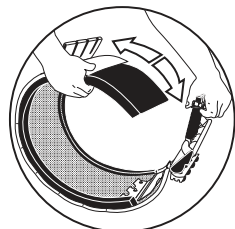


STEP 5: POSITION THE REPAMAX AROUND THE PIPE.

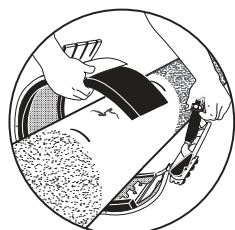
(A) Loosen the bolts. Loosen the REPAMAX nuts but do not disassemble completely.



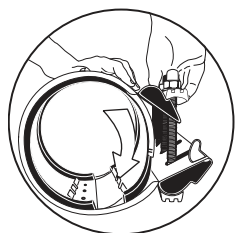
(B) Grasp the side compression beam, and unlatch it from the lug



(C) Open up the REPAMAX fully while positioning it over the leak



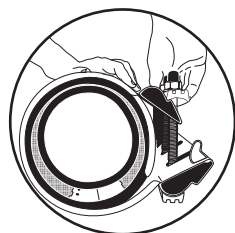
(D) Wrap the product around the pipe and engage the open locking mechanism until you hear the first click.



NOTE: Make sure that the gasket is on the surface of the pipe and the gasket end is in place between the body and the gasket guiding plate.

STEP 6: CENTER THE REPAMAX OVER THE INSTALLATION AREA

Fully rotate the REPAMAX around the pipe by pulling the side compression beam over, underneath, and back around the pipe.

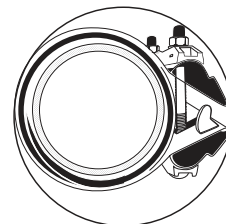


Rotate to a position convenient for closing the mechanism (with bolts facing upwards).

NOTE: The REPAMAX has sufficient range to be assembled next to the damaged area and slide over the break as long as the pipe has been lubricated with a water-based lubricant.

STEP 7: FINAL POSITION OF PRODUCT

Push down the side compression beam over the lug assembly to its second final position.



NOTE: Make sure you hear 2 clicks! Rotate to a position convenient for closing the mechanism (with bolts facing upwards).

STEP 8: TIGHTEN

Tighten all nuts, working from the center of the lug outward.

Re-check that proper torque has been reached according to the product label (drawing 1).

Make sure the alignment teeth are fully engaged in the slots on the opposite lug (drawing 2).



STEP 9: RECHARGE

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

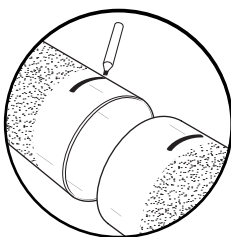
STAB TYPE COUPLING INSTRUCTIONS:

WHEN REPAMAX IS USED AS A COUPLING FOR A CONNECT (STAB-TYPE) FUNCTION:

STEP 10: MARK THE PIPE

Mark the 2 pipes according to the MIN.

STAB DEPTH indicated on the product label.

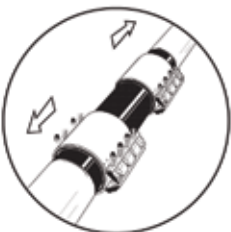


STEP 11: POSITION THE REPAMAX

Place the REPAMAX on the replacement pipe and lower the pipe and the REPAMAX wrap around couplings into the ditch (Refer to step 5 for positioning instructions).



Slide The REPAMAX outward so that they are centered over the area to be joined covering the marks on the pipes.



Make sure that the pipes are not touching each other inside the body of the REPAMAX.

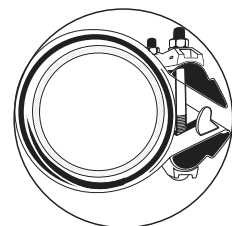


STEP 12: FINAL POSITION OF PRODUCT

Push down the side compression beam over the lug assembly to its second final position.

NOTE: Make sure you hear 2 clicks!

Rotate to a position convenient for closing the mechanism (with bolts facing upwards).



STEP 13: TIGHTEN

Tighten all of the nuts evenly, working from the center of the lug assembly towards the end of the REPAMAX.

Verify again they are closed to the torque specified on the product label.



STEP 14: RECHARGE

Recharge 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 bolts by up to 50%.

For more information about us, or to view our full line of products, please visit www.mueller-international.com or call International Customer Service at:

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