

KRAUSZ®

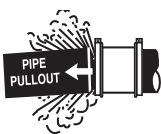
a MUELLER brand

LARGE REPAMAX DN650-DN2000, 15mm Range

(Widths 210mm, 280mm, 430mm, 580mm)

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

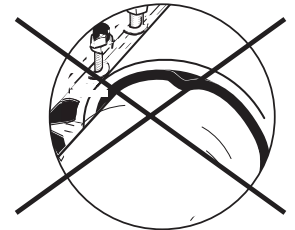
PREPARE PRODUCT AND PIPE FOR INSTALLATION:

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.

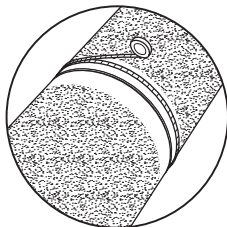


NOTE: Lack of lubricant may cause the gasket to form a "U" shape (see illustration). Installation without lubricant voids the warranty.



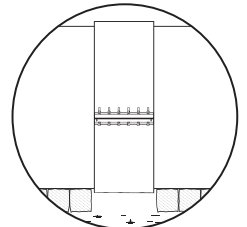
STEP 2: CHECK THE DIAMETER OF THE PIPE USING AN OD TAPE AND FOR PROPER FIT

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.



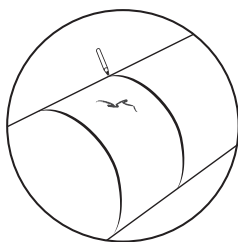
NOTE: If using Repamax as a repair coupling, proceed to step 4. If using as a stab type coupling, proceed to step 10.

REPAIR COUPLING INSTRUCTIONS:

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

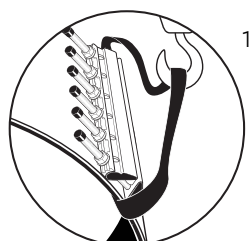
STEP 4: MARK THE PIPE

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

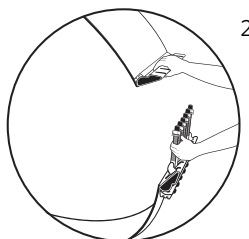


STEP 5: POSITION THE REPAMAX AROUND THE PIPE

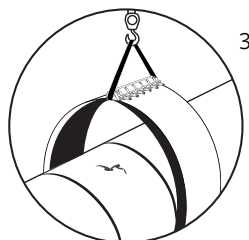
Tie a belt to the unopenable part of the product.



Push apart the two parts of the product over the pipe (drawing 2). Slowly adjusting the rubber seal, lower the product and wrap it around the pipe allowing the product to extend to a fully open position (drawing 3).

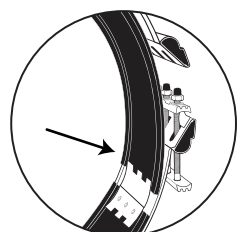


NOTE: The Repamax has sufficient range to allow for assembly next to the damaged area or break of the pipe and can be slid into position as long as the pipe surface has been lubricated.

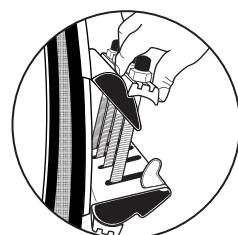


STEP 6: ENGAGE THE OPEN LOCKING MECHANISM

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.



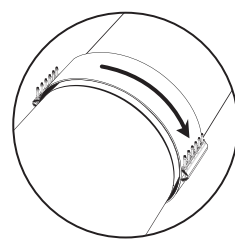
Engage the open locking mechanism until you hear the first click.



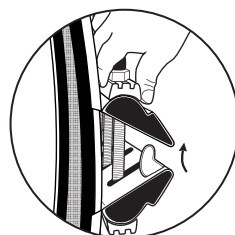
Click 1

STEP 7: FINAL POSITIONING

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



The Repamax is now in the first closing position. It can now be moved over the area of the leak. Once in place, move the compression beam again until it clicks into place covering the marks (step 4). This is the second and final closing position.



Click 2 - final position

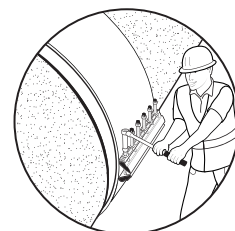
STEP 8: TIGHTEN

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

To tighten bolts, use an appropriate impact tool, but for the final closing only use a torque wrench for the exact torque indicated on the product label. Close bolts on both sides interchangeably.

NOTE: Make sure that as you tighten the nuts the guiding teeth go into the receiving ports (see illustration 2). This will ensure that you are closing the lug assembly correctly.

NOTE: Do not lubricate bolts as this will void product warranty.



STEP 9: RECHARGE

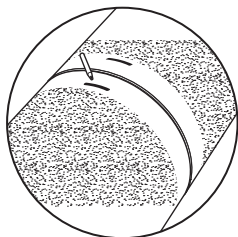
Recharge the line and check for leaks. If any leakage across the seal end is evident, reduce the pressure in the line and increase the labeled torque of the bolts up to 50%.

STAB TYPE COUPLING INSTRUCTIONS:

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

STEP 10: MARK THE PIPE

Mark the pipe ends to the proper stab depth.

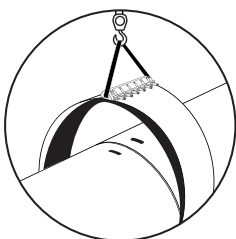


STEP 11: POSITION THE REPAMAX

Position the coupling over the center between the two pipes following the instructions of STEPS 5 through 8.

NOTE: It is extremely important that a gap between the pipes exists. Without a gap between pipes you will not have space for continuous dynamic deflection.

Apply appropriate gasket lubricant on both the inside surface of the gasket and the outer pipe surfaces. The coupling must cover the marks on the pipe according to the proper minimum stab depth.



STEP 12: 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 up to 50%.

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II0250 REV 11/2024

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