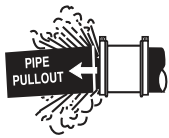


# KRAUSZ®

a MUELLER brand

## REPAMAX® XTRA (DN650-DN2000) WIDTHS 430 & 580MM Installation Instructions

### WARNING



This product does not restrain axial pipe movement. Proper anchoring 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® Xtra 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 is applied to the Repamax® Xtra Coupling. Use of other tools such as an impact tool is allowed, as long as the final tightening is done using a Torque Wrench.
- **Transition capability.** The Repamax® Xtra Coupling can transition between two pipe ends with a maximum outside diameter difference as indicated on the product label.
- **This product should not** be installed under water pressure.

## PREPARE PRODUCT AND PIPE FOR INSTALLATION

### STEP 1: PREPARE THE PIPE ENDS, REMOVING DIRT, RUST, AND LOOSE DEPOSITS FROM THE PIPE.

Remove any debris or build up on the pipe and clean the outer pipe surface with water. Check for dents, cuts, ovality, and other imperfections or defects on the pipe surface that may interfere with the seal.



**SPECIAL CARE SHOULD BE TAKEN WHEN USING ANY ROTATING POWER EQUIPMENT, ADDITIONAL PERSONAL PROTECTIVE EQUIPMENT MAY BE REQUIRED.**

**NOTE: Lack of lubricant may cause the gasket to form a "U" shape (see illustration).**

**Installation without lubricant voids the warranty.**



DETECT



MONITOR



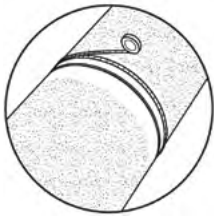
CONTROL



REPAIR

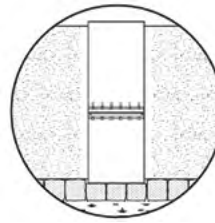
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## STEP 2: CHECK THE PIPE DIAMETER WITH AN OD TAPE MEASURE.



**NOTE:** The size range of the Repamax® Xtra Coupling is shown on the product label.

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

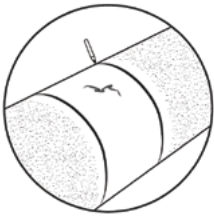


**NOTE:** The Repamax® Xtra Coupling is not designed to carry the weight of the pipe.

**NOTE:** If using the Repamax® Xtra Coupling for repair, proceed to step 4. If using as a coupling to connect pipes, proceed to step 11.

## INSTALLATION INSTRUCTIONS FOR REPAIR

### STEP 4: MARK THE PIPE EVENLY ON BOTH SIDES OF THE DAMAGED AREA ACCORDING TO THE LENGTH OF THE PRODUCT.



Lubricate the pipe using a Water Quality approved Pipe or Gasket Lubricant.

### STEP 5: LOWER THE REPAMAX® XTRA COUPLING ONTO THE PIPE.



Place a belt/sling around the unopened part of the product.



Push apart the two parts of the product over the pipe.

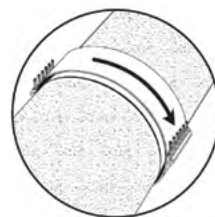
Slowly adjust the rubber seal, lower the product, and wrap it around the pipe -allowing the product to extend to a fully open position.

### STEP 6: LIFT AND POSITION OF THE PRODUCT.



**NOTE:** The Repamax® Xtra Coupling 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 7: ROTATE THE PRODUCT 90°.



Rotate to a position convenient for closing the mechanism (with bolts facing upwards). We recommend placing a stop on the opposite side to prevent the product from rotating.



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 Guide Plate.

## STEP 8: ENGAGE (“CLICK”) THE OPEN LOCKING MECHANISM.



Click 1



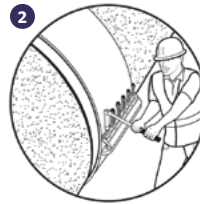
Click 2 - final position

The Repamax® Xtra 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.

## STEP 10: PRESSURISE THE LINE AND CHECK FOR LEAKS.

If a leak is seen at the end of the gasket, reduce the pressure in the pipe and increase the labelled torque by up to 50%.

## STEP 9: TIGHTEN BOLTS. WORK FROM THE CENTRE OF THE LOCKING BRIDGE TOWARDS ITS ENDS.



To tighten the bolts, use hand or power tools and a Long Socket. Tighten all bolts on both sides in a gradual manner.

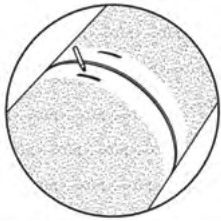
For final tightening, use a torque wrench and a Long Socket to achieve the required torque specified on the product label. Close bolts on both sides interchangeably.

**NOTE:** Make sure that as you tighten the bolts, the guide teeth fit into the receiving openings (see illustration 1). This will ensure that you are closing the lug assembly correctly.

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

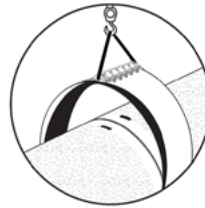
# INSTALLATION INSTRUCTION FOR CONNECT (STAB-TYPE COUPLING)

## STEP 11: MARK THE PIPE ENDS TO THE PROPER STAB DEPTH.



The minimum stab length is indicated on the product label, for each end of the host pipe and the new section of pipe.

## STEP 12: POSITION THE COUPLING ACCORDING TO THE REQUIRED MINIMUM STAB DEPTH AS INDICATED ON THE PRODUCT LABEL.



Position the coupling over the centre of the gap between the two pipes following the instructions of steps 5 through 9.

**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 13: PRESSURISE THE LINE AND CHECK FOR LEAKS.

If a leak is seen at the end of the gasket, reduce the pressure in the pipe and increase the torque by up to 50%.

**IMPORTANT:** It is very important to maintain a space between the pipes inside the product. Pipe spacing is necessary for continuous dynamic deflection of the pipes.

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