

HYMAX

LARGE DIAMETER *

HLD 2 (14"-24") and HLD (26"-60")

HYMAX[®] HLD COUPLING AND LONG BODY COUPLING

HYMAX[®] HLD FLANGE ADAPTOR FLANGE ADAPTOR LONG BODY AND WITH NPT OUTLET

HYMAX[®] HLD REDUCER

HYMAX[®] HLD ELBOW 45° AND 90°

HYMAX[®] HLD THREADED OUTLET AND FLANGED OUTLET

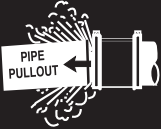
HYMAX[®] HLD WITH CATHODIC PROTECTION

HYMAX[®] HLD END CAP

* HLD 2 (sizes 14-24) have an openable flip gasket, HLD (sizes 26-60) have a one-layer gasket.



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 HYMAX HLD SERIES PRODUCTS ARE STAB-ON TYPE COUPLINGS. Do not disassemble the product. Do not lubricate nor loosen The Bolts

DO NO LUBRICATE BOLTS AND NUTS. Bolts are pre-lubricated with a MAG (Molecular anti-galling) dry zinc coating. Greasing bolts or nuts voids manufacturer's warranty.

USE A TORQUE WRENCH TO TIGHTEN THE BOLTS. A torque wrench will assure a proper torque has been applied to the coupling. Do not use other tools to tighten the coupling's bolts!

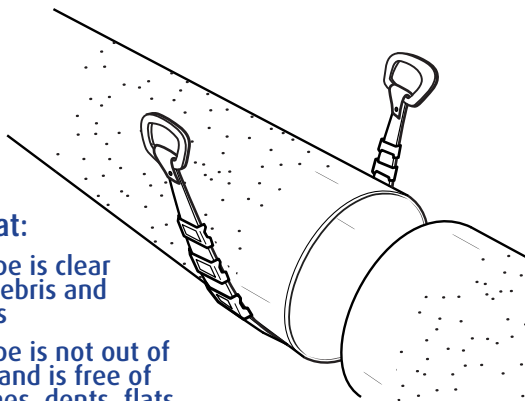
LUBRICATION OF HYMAX HLD. Except steel, PVC, and PE pipes, all rough-surfaced pipes must be lubricated with a water-based gasket lubricant in order to achieve a proper seal.

TIGHTEN BOLTS TO THE TORQUE value provided on the label in one continuous step. Krausz Products do not require a gradual increase of torque over a specified period, nor do they require re-torque. The minimal torque requirements must be achieved prior to any recharging of the line.

PREPARE PRODUCT AND PIPE FOR INSTALLATION:

1

CLEAN AND DESCALE THE PIPE

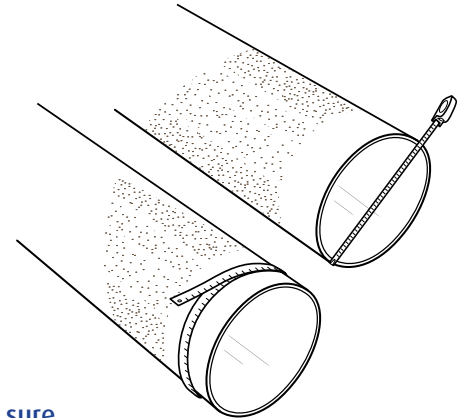


Make sure that:

- The pipe is clear from debris and defects
- The pipe is not out of round and is free of scratches, dents, flats
- The end rings are centered on the coupling - if they are not, please contact your local distributor for return and replacement

2

MEASURE THE PIPES' OD



Measure the pipes' OD

twice and make sure the coupling size range (as indicated on the product's label) will fit the pipes properly

INSTALLATION OF THE COUPLING:

3

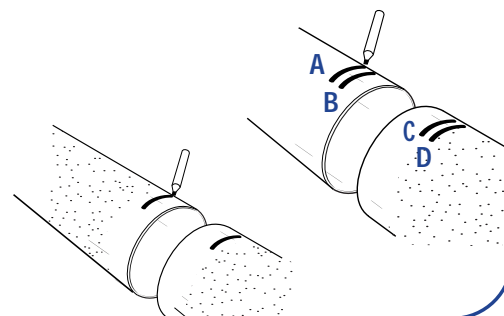
FOR HLD 2, SIZES 14"-24":

MARK EACH PIPE END FOR MINIMUM & MAXIMUM PIPE INSERTION DISTANCE

A-D Maximum stab depth for open gasket position
3.25" from the edge

B-C Minimum stab depth for closed gasket position
2.25" from the edge

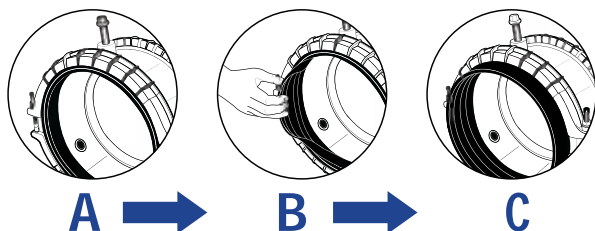
FOR HLD SIZES 26"-60" - MARK EACH
PIPE END WITH A SINGLE MARK



4

FOR HLD 2 WITH FLIP GASKET, SIZES 14"-24":

FLIP THE GASKET OPEN IF A LARGER OD IS REQUIRED



The coupling gasket system has two positions - A closed gasket position and an open gasket position. The open position is used to accommodate larger OD pipes within the working range. If a larger OD pipe is used, hold the gasket with your fingers and unfold it to an open position. Look for the working range on the product label to determine if the product range is within the higher or the lower range

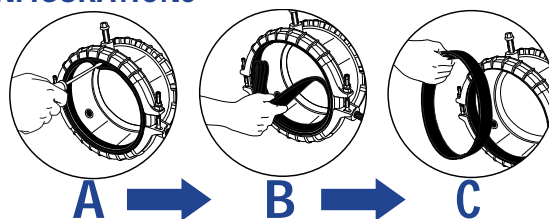
NOTE: Do not tear the gasket

FOR SIZES 26"-60": THESE SIZES HAVE SEVERAL CONFIGURATIONS -

A. 2-LAYER REMOVABLE GASKET.

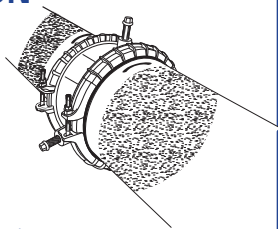
The inner layer gasket can be removed to accommodate larger OD pipe within the product working range. See drawings.

B. SINGLE-LAYER GASKET (made to order products) -
NO OPENING OF THE GASKET.

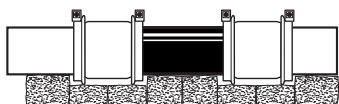


5

POSITION THE COUPLING
FOR INSTALLATION



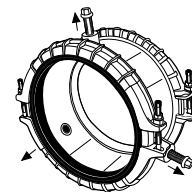
- Lubricate the gasket and the pipe surface with a water-based lubricant
DO NOT LUBRICATE BOLTS
- If possible, place the coupling(s) on the replacement pipe (on both ends) with top-facing bolts and lower the pipe and couplings into the ditch
- Slide the couplings outward onto the pipes so that they cover the marks made in step 3
- Make sure that the pipes are not touching inside the body of the HYMAX. There must be space between the pipes in order for continuous dynamic deflection (COD) to take place
- Make sure that the pipes and the product are properly supported



6

SET THE CENTERING PINS.

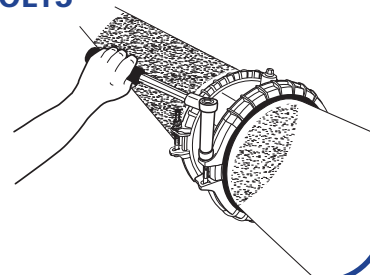
Secure the centering pins using a wrench. Make sure the "o" ring on each centering pin seats properly beneath the pin head. Fully tighten the centering pins.



7

TIGHTEN BOLTS

Tighten the coupling bolts to the right torque shown on the product label. When you finish, re-check the torque again



8

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 the seal

HYMAX[®]

Repair the past. Connect the future.

 **KRAUSZ** is the creator of HYMAX