

Larger Diameter Hymax® 14 – 24 Inches in Diameter



<--Use Arrow Keys to Navigate Slides-->

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Large Diameter Hymax
Wide Range of Fit = Reduced Inventory
Less Bolts = Fast Installation

<u>Nominal Pipe O.D.</u>	<u>Pipe Class</u>	<u>Product Range</u>	<u>Working Pressure</u>
14	DIP to AC 200 /16 IPS	15.00-17.10	260
16	DIP to AC 200/18 IPS	17.10-19.20	260
18	DIP to AC 200/20 IPS	19.50-21.60	232
20	DIP to PC/AC 150ME	21.50-23.60	232
24	20" AC 100-200 to 24 PC	24.60-26.70	232
24 Special Order	IPS TO CAST A,B	24.00-26.10	232

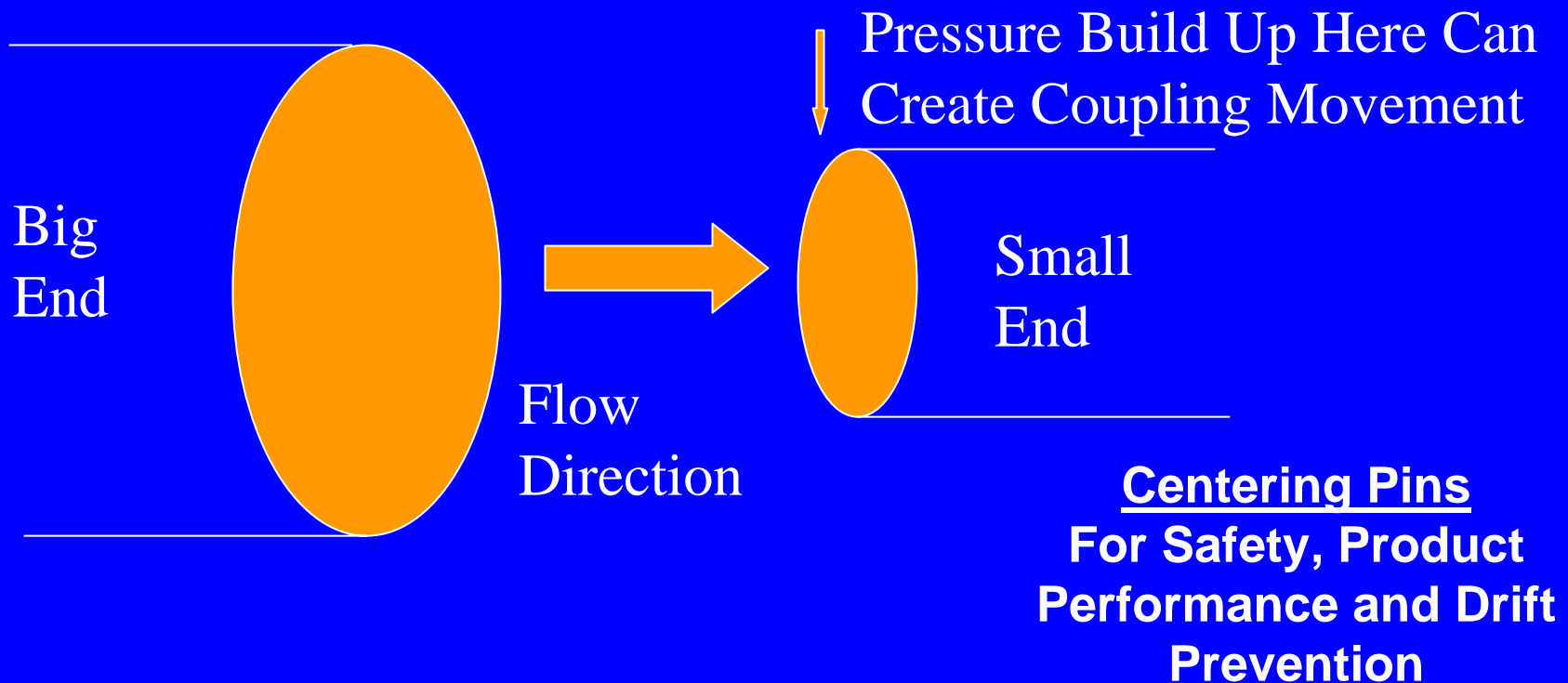
Special Instructions: Hymax Couplings Equipped with Centering Pins

Note: All large diameter Hymax couplings (greater than 14 inches in nominal pipe diameter) are equipped with multiple one (1) inch diameter hex-headed centering pins. When installed properly, the centering pins will prevent the coupling from drifting down the pipe towards the small end of the coupling when a pipe transition has been made by the removal of one of the inner gasket layers. Coupling drift may occur towards the flow restricted end (or the small gasket end of the product) when a maximum pipe transition has been made. This may occur at pressures in excess of 20 psi and in unrestrained above ground applications.

1. Prepare the pipe ends to a distance of at least three inches beyond the length of the coupling. Make sure to follow the general installation instructions on the orange tag.
2. Place a reference mark on the pipe no more than five (5) inches from the end of each pipe section. The reference mark will be used to determine the stab depth of the coupling and to insure that a proper pipe end gap is left between the pipe ends. A pipe end gap of at least two (2) inches is required between the pipe ends to prevent pin and pipe interference.
3. If the complete length of the coupling center ring must be fully stabbed over the pipe end, then the centering pins must be partially backed out of the thread-o-lets (normally there are three pins).
4. Back out each of the centering pins, making sure that the bottom of the pin is flush with the inside surface of the center sleeve. This will prevent interference with the inner sleeve wall during installation.
5. Size the gasket in accordance with the general installation instructions on the orange tag, and stab each pipe end up to, but not over, the reference mark on the pipe surface.
6. Tighten the compression end-ring bolts to the required torque as indicated on the general installation instruction tag.
7. Completely tighten each centering pin until it bottoms out on the thread-o-let. The backside of the bolt head on each centering pin is equipped with an "O-Ring" seal to prevent leakage. The "O-Ring" must be kept free of contaminants to insure a positive seal. When tightened completely against the sealing surface of the thread-o-let, the "O-Ring" will form a fluid tight seal.

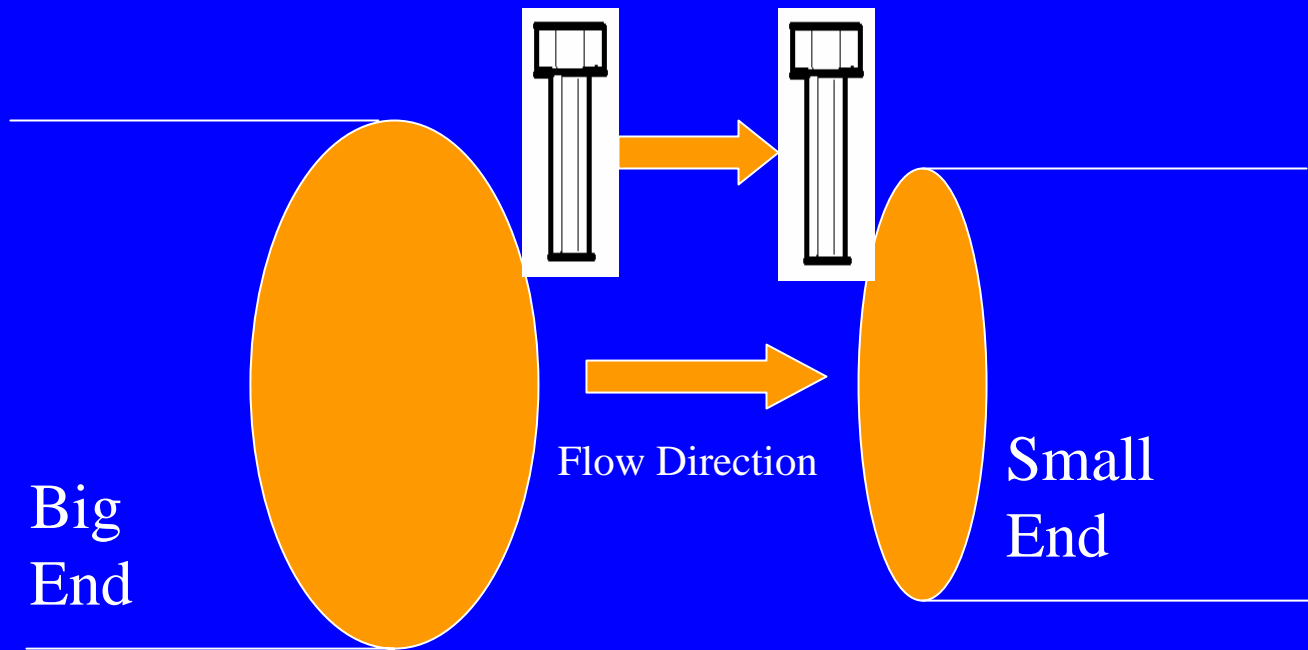
The Purpose of Centering Pins

- Prevention of Coupling Drift Over Pipe End When in Maximum Transition



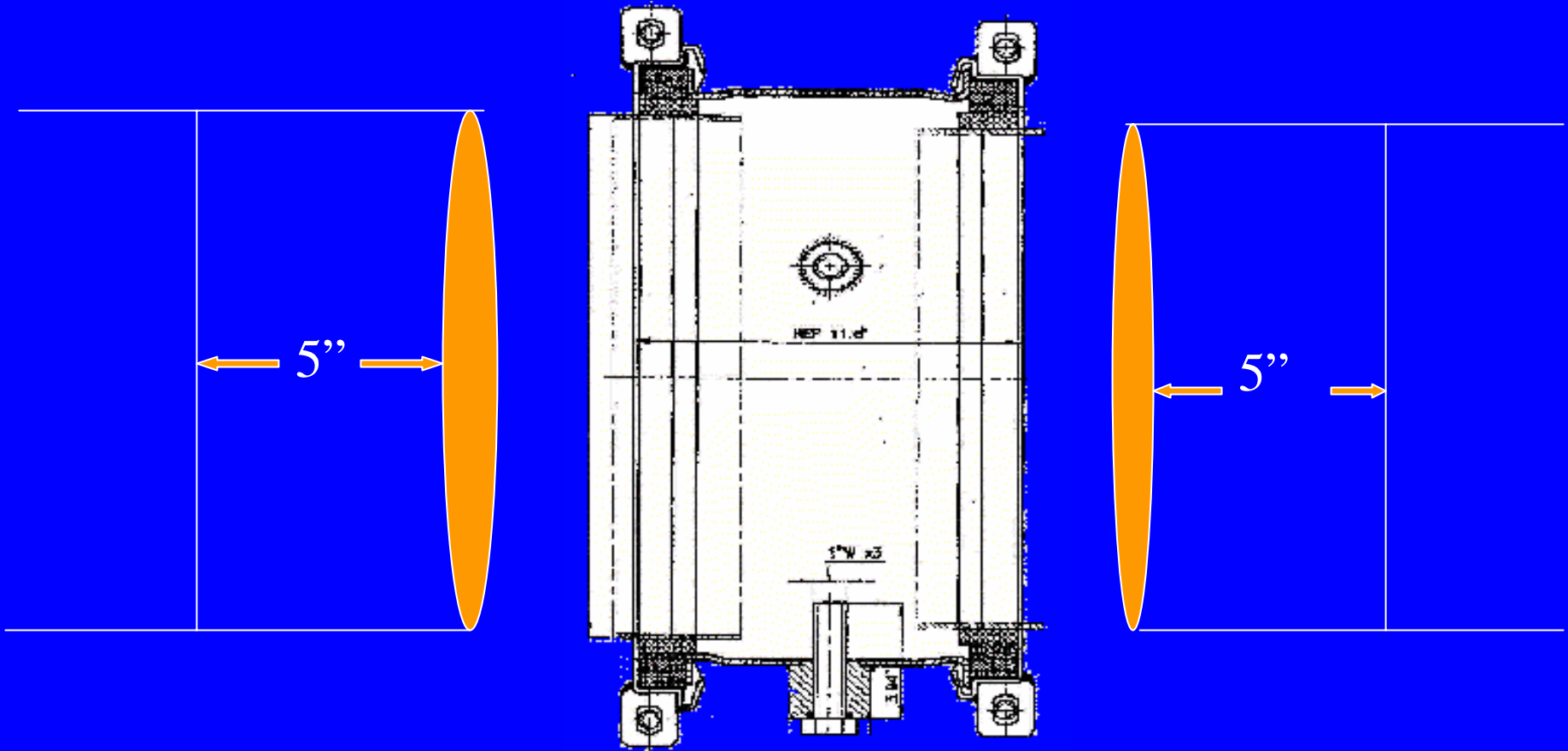
The Purpose of Centering Pins

If Coupling Moves Due to Pressure Differential, Pin Bottoms Out on Pipe End Preventing Loss of Seal

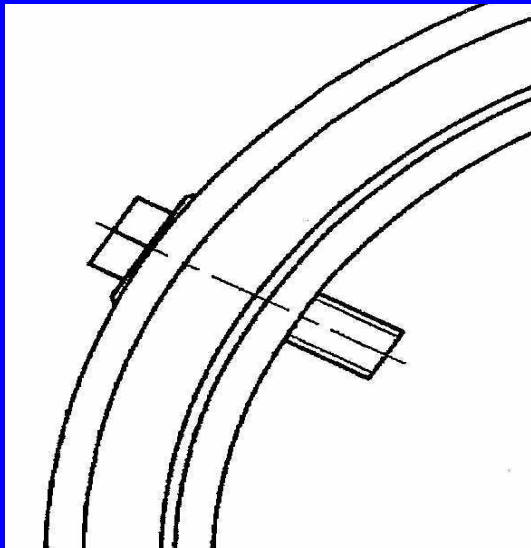


14 to 24 Inch Hymax Installation Procedure

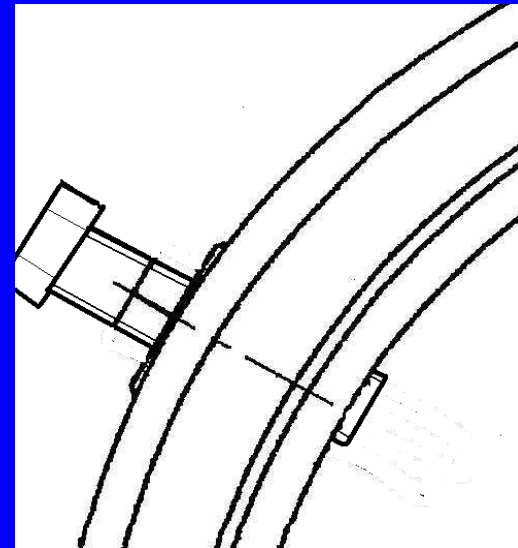
Prepare Pipe Ends – De-scale and Clean,
Mark Pipe Ends for a Maximum Stab Depth of 5”



Loosen Centering Pins (Anti Drift Pins)



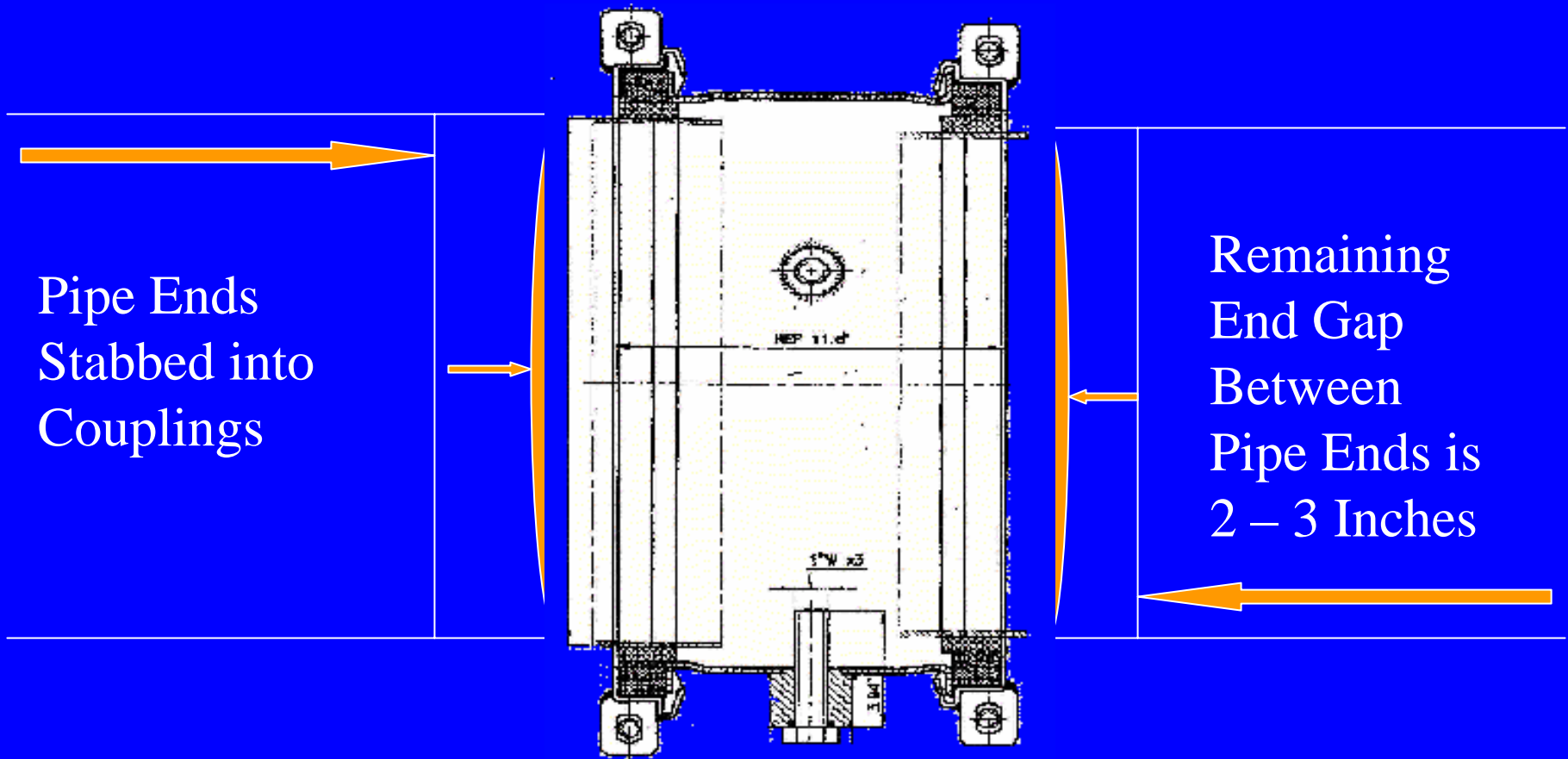
1 - Pin in Set Position



2 – Pin Set for Installation

Loosening of Pin allows for full Retraction of Coupling over pipe end

14 to 24 Inch Hymax Stab Pipe Ends to the Proper Insertion Depth



After Stabbing Pipe, Tighten the Centering Pins to seat the “O” Ring Seal on the back side of the Pin

Pins are One Inch Diameter – outside view



Seated Anti-Drift Pin – Inside View



Finish by Tightening Bolts on Compression Ring to Seat the Gasket

- Two Bolts per End
- Torque Requirement is 150 ft. lbs.
- Required Wrench – 17 to 21 inch long wrench handle and 15/16" (24 mm) pass through socket

