PSX: DIRECT DRIVE
PIPE TO MANHOLE & TANK CONNECTOR

What It Is
PSX: Direct Drive is a high-performance flexible pipe-to-manhole connector that offers easy installation and long-term performance in one convenient product.

Whether you core or cast your holes, PSX: Direct Drive fits right into your production methods, ready to seal your toughest applications every time.

How It Works
• The connector fits into a cast or cored hole.
• A power sleeve made from tempered series 304 stainless steel expands with a certified installation wrench.
• Take-up clamps made from series 304 stainless steel with quick adjusting screws secure the connector to the pipe.

Why It’s Better
• Safely install from outside of the manhole preventing falls from crawling down into structures.
• All stainless-steel components with no welds or rivets creating a stronger product.
• Precision molding provides accurate compensation for hole size variations.
• Additional torque and multiple adjusters on larger diameters.
• Contractor can save time and money by backfilling immediately.

Where To Use
• Manholes
• Wet wells
• Square pump and lift stations
• Stormwater structures
• On-site treatment structures
• Junction chambers
• Grease interceptors
• Vaults

Press-Seal Corporation is the only boot style connector manufacturer that uses multiple mechanisms under 56" as a standard.

Press-Seal recommends installation between a 10:00 and 2:00 position.
Why You Should Specify Boot Connector Systems With Multiple Adjusters

During the development of the PSX: Direct Drive, Press-Seal designed a specialized testing instrument that allowed us to gauge the rubber deformation points around the entire boot during installation. The point furthest from the adjuster mechanism, as shown in Figure 1, created the least amount of rubber deformation against the concrete hole. The reduced deformation of rubber at that point indicates that the sealing force of the boot is weakest at the area furthest from the adjuster. This was supported by an external hydrostatic test. When pressurized beyond standard specification levels, the boot would begin to move out of the hole starting at the low deformation point. These tests led to the adoption of additional adjusters in larger hole sizes to improve the sealing functionality of the Direct Drive boot and equalize sealing force around the entire circumference of the boot.

We are now able to improve the sealing performance on larger sizes of a connector system by adding multiple mechanisms to dramatically reduce the sealing distance from each adjuster. Our adjuster bolt design with both right and left handed nuts allow for less installation friction; therefore, greater torque is applied against the rubber than competitive systems that use a long bolt with multiple wedge style components. In addition, we employ no welds or rivets in our bands or adjuster assemblies. Multiple mechanisms provide for a longer product life.

Dial Indicator Development

<table>
<thead>
<tr>
<th>Single Adjuster</th>
<th>Double Adjusters</th>
<th>Triple Adjusters</th>
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</thead>
<tbody>
<tr>
<td>8&quot; - 26&quot;</td>
<td>28&quot; - 32&quot;</td>
<td>34&quot; - 48&quot;</td>
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Fig 1