

# PSX: DIRECT DRIVE NITRILE

## PIPE TO MANHOLE & TANK CONNECTOR

### What It Is

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

With the added ability to resist common underground contaminants including hydrocarbons and many mixed chemistries.

Whether you core or cast your holes, PSX: Direct Drive Nitrile 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

- Nitrile rubber resists most chemicals and hydrocarbons found in effluent and soils.
- 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.
- Contains chemically resistant stainless steel.
- 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



CARE & STORAGE

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# PSX: DIRECT DRIVE NITRILE

## SUBMITTAL SPECIFICATIONS

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Pipe-to-Manhole and Structure Connector Specification for Sanitary and Storm Sewer Applications:

All pipe-to-manhole and structure connections shall meet and or exceed ASTM C 923, Standard Specification for Resilient Connectors Between Reinforced Concrete Manholes, Structures, Pipes and laterals.

All mechanical devices, including castings, bolt assemblies, adjusters shall use non-magnetic 300 series stainless steel with no welds or rivets in its assemblies.

The installation of the connector shall be accomplished at one time and shall require no additional adjustments or installation at a later time to insure a watertight seal.

Take up clamps shall use non-magnetic 304 series stainless steel and be installed in the field using a T-Handle Torque wrench set to 60 inch-pounds and installation shall follow manufacturer's instructions.

The connector shall be PSX: Direct Drive Nitrile and PSX: Nylo Drive Nitrile as manufactured by Press-Seal Corporation of Fort Wayne, IN or approved equal.

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### Product Performance

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PSX: Direct Drive - Nitrile meets or exceeds all requirements of the following specifications and/or test methods:

- ASTM C 923 - Standard Specification for Resilient Connectors Between Reinforced Concrete Manhole Structures, Pipes, and Laterals
- ASTM C 1619 Class D (Material Spec)
- ASTM C 1244 - Standard Test Method for Concrete Sewer Manholes by the Negative Air Pressure (Vacuum) Test
- ASTM C 1478 - Standard Specification for Storm Drain Resilient Connectors Between Reinforced Concrete Storm Sewer Structures, Pipes and Laterals
- ASTM F 2510 - Standard Specification for Resilient Connectors Between Reinforced Concrete Manhole Structures and Corrugated High Density Polyethylene Drainage Pipes

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# PSX: DIRECT DRIVE NITRILE SELECTION GUIDE

PSX: DD NITRILE SIZE and DESCRIPTION	HOLE SIZE RANGE		PIPE O.D. ACCOMMODATION RANGE		GASKET I.D.		TAKE-UP CLAMP		MINIMUM SIZE ROUND STRUCTURE (INCHES/mm)	MINIMUM SPAN/RISE STRAIGHT WALL (INCHES/mm)
	INCH	mm	INCHES (mm)		INCH	mm	QTY	PART #		
REQUIRES BLACK SHORT 7/16" TORQUE WRENCH PRESET TO 12 FT/LBS PART # 850.605										
8 QRS STEP "S" NITRILE 8 QRS STEP "R" NITRILE 8 QRS STEP "Q" NITRILE PSX: DD 8 QRS NITRILE	8.00 - 8.20	203- 208 mm	1.70" TO 2.50" 2.75" TO 3.75" 3.75" TO 4.80" 1.70" TO 4.80"	43 - 64 mm 70 - 95 mm 95 - 122 mm 43 - 122 mm	2.20 3.50 4.60 N/A	56 mm 89 mm 117 mm N/A	1 1 1 1	600-088 600-088 600-088 600-088	36 (900 mm)	16 (400 mm))
12Y PSX: DD NITRILE 12 M PSX: DD NITRILE	12.00- 12.20	305 - 310 mm	5.70" TO 6.90" 8.00" TO 9.10"	145 - 175 mm 203 - 231 mm	6.50 8.63	165 mm 219 mm	1 1	600-128 600-152	36 (900 mm)	20 (500 mm)
14 M PSX: DD NITRILE	14.00 - 14.20	356 - 361 mm	9.75" TO 11.10"	248 - 282 mm	10.35	263 mm	1	600-188	36 (900 mm)	22 (550 mm)
REQUIRES BLUE 1/2" TORQUE WRENCH PRESET TO 20 FT/LBS PART # 850.610										
16L PSX: Direct Drive	16.00-16.20	406 - 411 mm	11.36" TO 12.50"	289 - 318 mm	12.10	307 mm	1	600.232	36 (900 mm)	24 (600 mm)
16 M PSX: DD NITRILE	16.00 - 16.20	406- 411 mm	12.05" TO 13.30"	306 - 338 mm	12.75	324 mm	1	600-232	36 (900 mm)	24 (600 mm)
18 M PSX: DD-2 NITRILE	18.00 - 18.20	457 - 462 mm	14.60" TO 15.50"	371 - 394 mm	15.35	390 mm	2	600-296	36 (900 mm)	26 (650 mm)
22 M PSX: DD-2 NITRILE	22.00 - 22.20	559 - 564 mm	18.00" TO 19.20"	457 - 488 mm	18.70	475 mm	2	600-376	42 (1067 mm)	30 (762 mm)



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