

HIGH-PERFORMANCE PIPE-TO-MANHOLE CONNECTOR

What It Is

PSX: Direct Drive is a high-performance flexi□le pipe- to-manhole connector that offers easy installation and long-term performance in one convenient prod□ct' Whether yo□ core or cast yo□r holesxPSX:Direct Drive fits right into yo□r prod□ction methodsxready to seal yo□r to□ghest applications every time'



How It Works

PSX:Direct Drive has s□perior materials and technology
□Specially developed synthetic r□□□er is contin□o□sly tested
and la⊡-certified
□Power Sleeve made from tempered Series □□□ stainless steel
□Installation Mechanism made from Series □□□ stainless steel
□Installation Mechanism is infinitely ad⊞sta □le
□Installation tools are cali□rated and certified
□Take-□p clamps made from Series □□□ stainless steel with
□□ick-ad □sting screws

Why	lt's	Better
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□Installs □□ickly and easily from o□tside the manhole
□Re □ ires no retightening or ad □stment
□All stainless-steel components
□No plastic parts to crack or □reak
□Acc□rately compensates for hole si□e variation
□Availa le for pipes from l' l loop
□Additional tor□□e and m□ltiple ad □sters on larger diameters
□Use in manholesxwet wellsxp□mp and lift stationsxstormwater
str□ct□resxon-site treatment str□ct□resxgrease interceptorsx
or any application re□⊑iring a flexi⊟e watertight connector

How It Performs

PSX:Direct Drive meets or exceeds all re□irements of the following Specifications and/or Test Methods:

ASTM C	
ASTM C	
ASTM C	
ASTM F	'

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PRODUCT SPECIFICATION

S mittal Specification

A watertight flexi le pipe-to-manhole connector shall le employed in the connection of the sanitary sewer and/or stormwater pipe to precast manholes or other structures'

The connector shall be PSX:DIRECT DRIVE as manufact red y Press-Seal Gasket CorporationxFort Waynex Indianaxor approved e □ al'

The connector assem | y shall | e the sole element relied on to ass | re a flexi | le watertight seal of the pipe to the str | ct | re' | The connector shall consist of a r | er gasketxan internal expansion sleevexand one or more external compression take-| p clamps' Approved materials for the connector shall | e nat | ral or synthetic r | er and | Series | non-magnetic stainless steel' | No plastic components shall | e permitted'

The ruler gasket element shall to constructed solely of synthetic or natural rulerx and shall meet/exceed the requirements of ASTM C 923, and shall have a minimum tensile strength of the cross-section shall to the cross-section shall the cr

The internal expansion sleeve components shall □e made of Series □□□ non-magnetic stainless steel and shall □tili□e no welds in their constr□ction'

Installation shall □e performed □sing a cali□rated installation tool availa □e from the connector man □fact □rer' Installation of the sleeve shall re □□ire no retightening after the initial installation'

The external compression take-p clampsst shall =e constructed of Series == non-magnetic stainless steel and shall tilie no welds in its constructions' The clampsst shall = installed =y tor=ing the ad=sting screw =sing a tor=e-setting wrench availa=le from the connector man=fact=rer'

Selection of the proper sile connector for the manhole and pipe relirementx and installation thereofx shall le in strict conformance with the recommendations of the connector manifactirer' Any dead end pipe stills installed in connectors shall le restrained from movement per ASTM C

The finished connection shall provide sealing to □ psi sminim mtxand shall accommodate deflection of pipe to □ degrees sminim mt witho toss of seal'

□ac □m testing shall □e cond □cted in strict conformance with ASTM C □□□□ prior to □ackfill' Other testing shall □e cond □cted in strict conformance with the re □□irements of the connector man □fact □rer'

PRODUCT PERFORMANCE

PSX:Direct Drive meets and/or exceed	ds all re □□ire-
ments of ASTM Cxincl_ding physi	ical properties
of materials and performance testing'	Performance
testing incl⊡des:	

⊐∟∟ psi minim∟m in straignt alignment
□□□ psi at minim□m □□angle
□□□ psi minim□m □nder shear load of
□□□ l□s/in' pipe diameter

PSX:Direct Drive meets and/or exceeds the following specifications:

□ASTM C □□□ Standard Specification for Resilient Connectors Between Reinforced Concrete Manhole Str□ct□resxPipesxand Laterals

□ASTM C □□□□ Standard Specification for Storm Drain Resilient Connectors Between Reinforced Concrete Storm Sewer Str□ct□resxPipes and Laterals

□ Standard Specification for

Resilient Connectors Between Reinforced

Concrete Manhole Str□ct□res and Corr□gated

High Density Polyethylene Drainage Pipes

□ ASTM C □ □ Standard Test Method for

Concrete	Sewer Manholes □y the
Negative	Air Press⊡re s⊡ac⊡mt Test

TYPICAL TEST RESULTS for PSX:Direct Drive (as in ASTM C 923 and C 1478)			
Test	ASTM Test Method Test Re □irements		Typical Res⊡t
CHEMICAL RESIST- ANCE IN SULFURIC ACID and IN HIDROCHLORIC ACID	D ::::xAT ::::C FOR ::: HRS	NO WEIGHT LOSS NO WEIGHT LOSS	NO WEIGHT LOSS NO WEIGHT LOSS
TENSILE STRENGTH	D	DESIXMIN'	DDD PSI
ELONGATION AT BREAK	D ===	□□o xMIN'	□□о
HARDNESS	D IIII SHORE A DUROMETERt	☐ FROM THE MANUFACTURER'S SPECIFIED HARDNESS	
ACCELERATED O⊡EN-AGING	Dx	DECREASE OF □ 0 x MAX' OF ORIGINAL TEN- SILE STRENGTHX DECREASE OF □ 0 x MAX' OF ELONGATION	- O TENSILE CHANGEX- O ELONGATION CHANGE
COMPRESSION TEST	DxMETHOD Bx ATC FOR HRS	DECREASE OF □ x MAX' OF ORIGINAL DEFLECTION	□о
WATER ABSORPTION	D IMMERSE ID BOOK IN SPECIMEN IN DISTILLED WATER AT INC FOR IN hrs	INCREASE OF □□0 xMAX' OR ORIGINAL B□ WEIGHT	□ □□ 0
O ONE RESISTANCE	D	RATING	PASS
LOW-TEMPx BRITTLE POINT	D	NO FRACTURE ATC	PASS
TEAR RESISTANCE	D :::xMETHOD B	□□□ LBF/IN' sMIN't	□□□ LBF/IN'

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