Diversified Products Manufacturing, Inc.

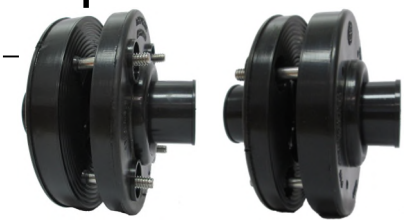
"Better By Design"

Traditional Double Sided Studded Penetration Fittings

TECHNICAL DATA SHEET

SUMP EXTERIOR | SUMP INTERIOR

❶



Front Back

SUMP INTERIOR | SUMP EXTERIOR

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❹

Traditional studded penetration fittings include a flexible Acetal back plate that seals on flat or curved surfaces down to 24" in diameter. These penetrations are secured with stainless steel 1/4-20 flange nuts on the sump interior. Boot material is a UV resistant Injection Molded Thermoplastic. Assembly includes Series 300 all stainless steel clamps.

❶ 4 Stud penetrations are available in ¾" and 1" rigid conduit sizes.

❷ 8 Stud penetrations are available for 1.5" OD pipes through 3" nominal pipe.

❸ 10 Stud penetrations are available for 3" nominal pipe through 5.0" OD pipe. 10 Stud penetrations are also used on corrugated chase pipe.

❹ 12 Stud penetrations are available for 5.2" OD through 6" nominal pipe.

Series 300 stainless steel clamps, stud seals and flange nuts are provided with each penetration. Stud seal is not applicable with 12 Stud penetration fitting.

Dimensional Data and Product Numbers on Reverse

Stainless Steel Clamps

Stud Seals

Flange Nuts

THIRD PARTY APPROVALS

MADE IN USA

N.D. ERYOU PhD, PE Consulting Engineer THIRD-PARTY UL 2447

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION EQ-742 EQ-801 EQ-836

PRODUCTS USED ON THIS PROJECT

Yes	No		
☐	☐	4 Stud Penetration Fitting	PF-T4D-_____
☐	☐	8 Stud Penetration Fitting	PF-T8D-_____
☐	☐	10 Stud Penetration Fitting	PF-T10D-_____
☐	☐	12 Stud Penetration Fitting	PF-T12D-_____

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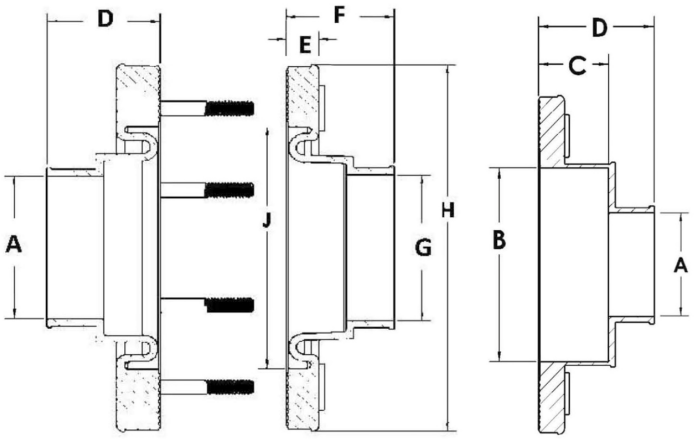
MEMBER PEI

Traditional Double Sided Studded Penetration Dimensional Data



NOTE:

41 has one insert that reduces Dim A to 1.2"

419 has two inserts with second insert reducing Dim A to .9"

Part Number	A	B	C	D	E	F	G	H	J
PF-T-4D-1.1	1.200	N/A	N/A	1.625	0.500	1.625	1.200	4.467	N/A
PF-T-4D-1.3	1.300	N/A	N/A	1.625	0.500	1.625	1.300	4.467	N/A
PF-T-4D-1.4	1.390	N/A	N/A	1.625	0.500	1.625	1.390	4.467	N/A
PF-T-8D-1.5	1.500	N/A	N/A	1.625	0.500	1.625	1.500	6.375	3.600
PF-T-8D-1.6	1.625	N/A	N/A	1.625	0.500	1.625	1.625	6.375	3.600
PF-T-8D-1.7	1.725	N/A	N/A	1.625	0.500	1.625	1.725	6.375	3.600
PF-T-8D-1.9	1.950	N/A	N/A	1.625	0.500	1.625	1.950	6.375	3.600
PF-T-8D-2.0	2.050	N/A	N/A	1.625	0.500	1.625	2.050	6.375	3.600
PF-T-8D-2.2	2.190	N/A	N/A	1.625	0.500	1.625	2.190	6.375	3.600
PF-T-8D-2.4	2.450	N/A	N/A	1.625	0.500	1.550	2.450	6.375	3.600
PF-T-8D-2.5	2.550	N/A	N/A	1.625	0.500	1.750	2.550	6.375	3.600
PF-T-8D-2.7	2.725	N/A	N/A	1.625	0.500	1.750	2.725	6.375	3.600
PF-T-8D-2.9	2.900	N/A	N/A	1.625	0.500	1.750	2.900	6.375	3.600
PF-T-8D-3.0	3.030	N/A	N/A	1.625	0.500	1.750	3.030	6.375	3.600
PF-T-8D-3.3	3.300	N/A	N/A	1.625	0.500	1.800	3.350	6.375	3.600
PF-T-8D-3.6	3.600	N/A	N/A	1.625	0.500	1.800	3.600	6.375	3.600
PF-T-10D-3.6	3.600	N/A	N/A	1.660	0.500	1.698	3.600	8.000	4.800
PF-T-10D-3.8	3.800	N/A	N/A	1.660	0.500	1.698	3.800	8.000	4.800
PF-T-10D-4.4	4.380	N/A	N/A	1.660	0.500	1.698	4.380	8.000	4.800
PF-T-10D-4.5	4.550	N/A	N/A	1.660	0.500	1.698	4.550	8.000	4.800
PF-T-10D-4.6x2.0	2.050	4.650	1.640	2.380	0.500	1.698	4.800	8.000	4.800
PF-T-10D-4.6x2.5	2.550	4.650	1.640	2.380	0.500	1.698	4.800	8.000	4.800
PF-T-10D-4.8	4.780	N/A	N/A	1.660	0.500	1.698	4.780	8.000	4.800
PF-T-10D-5.0	5.050	N/A	N/A	1.660	0.500	1.698	5.050	8.000	4.800
PF-T-12D-5.2	5.168	N/A	N/A	1.780	0.500	2.150	5.168	9.250	6.675
PF-T-12D-6.3	6.350	N/A	N/A	1.780	0.500	2.150	6.350	9.250	6.675
PF-T-12D-6.7	6.675	N/A	N/A	1.780	0.500	2.000	6.675	9.250	6.675
PF-T-12D-6.7x4.5	4.600	6.760	2.500	3.500	0.500	2.000	6.675	9.250	6.675

Amount of DBB V or DEB Needed for Coverage	
4 Stud Penetration Fitting	26 ml
8 Stud Penetration Fitting	40 ml
10 Stud Penetration Fitting	48 ml
12 Stud Penetration Fitting	56 ml

Center to Center Diameter of External Stud Plate Holes	
4 Stud	3.28
8 Stud	5.28
10 Stud	6.87
12 Stud	8.06

Hole Saw	
4 stud	2 1/4"
8 stud	4"
10 stud	5 1/2"
12 stud	6 7/8"