

Hydrosert® High Density (PE3408/PE4710) Saddle Fusion Tapping Tees



All Hydrosert fittings comply with the applicable requirements of AWWA C901 and are NSF listed. Hydrosert fittings are pressure rated to the design pressure of the PE piping to be connected, up to 200 PSIG (13.8 bar).

Features

- Molded from industry proven HDPE (PE3408/PE4710)
- Hydrosert fitting attached (at factory) to commercially available saddle fusion tapping tees
- Fast and easy installation
- Only one fusion required
- Pull-out strength on Hydrosert outlet is greater than the connected PE piping
- Service line can be installed via Hydrosert outlet while main/saddle is cooling

Specifications

Body: Polyethylene HDPE (PE3408/PE4710), NSF and PPI Listed
Collet Support Ring: Stainless Steel (400 Series)
Gripping Collet: Acetal (POM)
Thrust Washer: Polyethylene (PE)
O-Rings: EPDM, NSF Listed
Spacer Retainer Ring: Acetal (POM)
Insert Stiffener: Polysulfone

Testing

Pull-out Resistance, 0.2 ipm (5 mm/min.): Full Restraint
Pull-out Resistance, 20 ipm (500 mm/min.): Full Restraint
Hydrostatic, ASTM D 1598, 580 psi (4 MPa), @ 80°C: No Failures, > 1000 hrs.
Quick Burst, ASTM D 1599: Ductile failure
Impact Resistance, ASTM F 905

Standards Compliance

AWWA: C901
NSF: Standard 61

High density saddle fusion tapping tees with Hydrosert outlet allow for fast and easy connection to polyethylene service lines.



elster
Perfection

The success of this joining system is based on Elster Perfection's innovative design for a "no stress" fitting, which separates and optimizes both the gripping and sealing areas of the fitting.

Main Size	Outlet	SDR/Wall	Part Number
1-1/4" IPS	3/4" CTS	SDR 9 (0.097")	61420
1-1/4" IPS	3/4" IPS	SDR 9 (0.117")	61421
1-1/4" IPS	1" CTS	SDR 9 (0.125")	61422
1-1/4" IPS	1" IPS	SDR 9 (0.146")	61423
1-1/4" IPS	1" IPS	SDR 11 (0.120")	61424
2" IPS	3/4" CTS	SDR 9 (0.097")	61430
2" IPS	3/4" IPS	SDR 9 (0.117")	61431
2" IPS	1" CTS	SDR 9 (0.125")	61432
2" IPS	1" IPS	SDR 9 (0.146")	61433
2" IPS	1" IPS	SDR 11 (0.120")	61434
3" IPS	3/4" CTS	SDR 9 (0.097")	61440
3" IPS	3/4" IPS	SDR 9 (0.117")	61441
3" IPS	1" CTS	SDR 9 (0.125")	61442
3" IPS	1" IPS	SDR 9 (0.146")	61443
3" IPS	1" IPS	SDR 11 (0.120")	61444
4" DIPS	3/4" CTS	SDR 9 (0.097")	61550
4" DIPS	3/4" IPS	SDR 9 (0.117")	61551
4" DIPS	1" CTS	SDR 9 (0.125")	61552
4" DIPS	1" IPS	SDR 9 (0.146")	61553
4" IPS	3/4" CTS	SDR 9 (0.097")	61450
4" IPS	3/4" IPS	SDR 9 (0.117")	61451
4" IPS	1" CTS	SDR 9 (0.125")	61452
4" IPS	1" IPS	SDR 9 (0.146")	61453
4" IPS	1" IPS	SDR 11 (0.120")	61454
6" DIPS	3/4" CTS	SDR 9 (0.097")	61500
6" DIPS	3/4" IPS	SDR 9 (0.117")	61501
6" DIPS	1" CTS	SDR 9 (0.125")	61502
6" DIPS	1" IPS	SDR 9 (0.146")	61503
6" IPS	1" CTS	SDR 9 (0.125")	61505
6" IPS	3/4" CTS	SDR 9 (0.097")	61400
6" IPS	3/4" IPS	SDR 9 (0.117")	61401
6" IPS	1" CTS	SDR 9 (0.125")	61402
6" IPS	1" IPS	SDR 9 (0.146")	61403
6" IPS	1" IPS	SDR 11 (0.120")	61404
8" DIPS	3/4" CTS	SDR 9 (0.097")	61510
8" DIPS	3/4" IPS	SDR 9 (0.117")	61511
8" DIPS	1" CTS	SDR 9 (0.125")	61512
8" DIPS	1" IPS	SDR 9 (0.146")	61513
8" DIPS	1" CTS	SDR 9 (0.125")	61514
8" IPS	3/4" CTS	SDR 9 (0.097")	61410
8" IPS	3/4" IPS	SDR 9 (0.117")	61411
8" IPS	1" CTS	SDR 9 (0.125")	61412
8" IPS	1" IPS	SDR 9 (0.146")	61413
8" IPS	1" IPS	SDR 11 (0.120")	61414
10" IPS	1" CTS	SDR 9 (0.125")	61615
12" DIPS	3/4" CTS	SDR 9 (0.097")	61530
12" IPS	1" CTS	SDR 9 (0.125")	61616

Cutter size 0.8"

About Elster Group

A world leader in advanced metering infrastructure, integrated metering, and utilization solutions to the gas, electricity and water industries. Elster's systems and solutions reflect over 170 years of knowledge and experience in measuring precious resources and energy.

Elster provides solutions and advanced technologies to help utilities more easily, efficiently and reliably obtain and use advanced metering intelligence to improve customer service, enhance operational efficiency, and increase revenues. Elster's AMI solutions enable utilities to cost-effectively generate, deliver, manage, and conserve the life-essential resources of gas, electricity, and water.

Elster has over 7,500 staff and operations in 38 countries in North and South America, Europe, and Asia.

Elster Perfection
222 Lake Street
Madison, OH 44057
USA

T +1 440 428 1171
F +1 866 828 6862

www.elster-perfection.com

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