Hydrosert® Mechanical Couplings

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

- Industry's leading stab coupling for PE joining
- No special tools or training
- One-piece construction
- No need for generators or other costly installation equipment
- Reduced trench/ditch size for Hydrosert installations
- Molded from industry proven HDPE (PE3408/PE4710)
- Independent gripping collet and elastomeric seals
- Hydrosert Coupling is lead-free

Benefits

- Total installed cost savings versus electrofusion and heat-fusion joining methods
- Fast and easy installation in less than a minute
- No parts to lose or damage during installation
- Allows for one person installations in all weather conditions
- Reduces excavation and restoration costs versus fusion methods
- Non-corrosive couplings and components provide outstanding long term performance, eliminating the need for special coatings and cathodic protection
- Minimal stress is applied to the PE piping. Couplings have a pull-out strength greater than the connected PE piping

Non-corrosive Hydrosert couplings feature a "no-stress" design that separates and optimizes both the gripping and sealing areas of the fitting. Once assembled, the pipe or tubing is free to rotate while the sealing components maintain a positive seal. This unique connection method results in dependable, leak-proof performance.

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.

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

Standards Compliance

AWWA: C901

NSF: Standard 61

Size	SDR/Wall	Part Number
3/4" CTS	SDR 9 (0.097")	61025
3/4" IPS	SDR 9 (0.117")	61026
1" CTS	SDR 9 (0.125")	61027
1" IPS	SDR 9 (0.146")	61028
1" IPS	SDR 11 (0.120")	61029
1-1/2" CTS	SDR 9 (0.181")	61030
1-1/2" IPS	SDR 11 (0.173")	61035
1-1/4" CTS	SDR 9 (0.153")	61047
1-1/4" IPS	SDR 11 (0.151")	61050
2" CTS	SDR 9 (0.236")	61033
2" IPS	SDR 11 (0.216")	61055

Other configurations available

About Elster

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 7,000 staff and operations in 38 countries in North and South America, Europe, and Asia.

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