

Hydrosert Brass Adapter Couplings



All Hydrosert male and female brass adapters comply with the applicable requirements of AWWA C901 and C800 and are NSF listed. Hydrosert fittings are pressure rated to the design pressure of the HDPE piping to be connected, up to 200 PSIG (13.8 bar).

Features

- Industry's leading stab coupling for HDPE joining
- No special tools or training
- Swivel brass adapter
- Independent gripping collet and seals
- Adapter is cast in C83600 red brass (no-lead alloy brass available soon)
- Molded from industry proven HDPE (PE4710/PE100) resin
- Hydrosert coupling provides leak free connection

Advantages

- Total installed cost savings versus conventional brass compression style or pack type fittings
- Fast and easy installation in less than a minute
- Simplifies connection and allows fitting to be used as a union
- Minimal stress applied to the HDPE piping. Hydrosert can rotate on HDPE to relieve coiling headaches.
- Meets the requirements of AWWA C800
- Non-corrosive couplings and components provide outstanding long term performance
- Hydrosert connection is as strong, long lasting and durable as a fused joint

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 fitting is free to rotate on the HDPE pipe without affecting the water tight seal. This unique connection method results in dependable, leak-proof performance.



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Perfection

The success of the Hydrosert joining system is based on Elster Perfection's innovative "no-stress" design. More than 40 million have been installed worldwide since 1976.

Specifications

- Body: Polyethylene HDPE (PE4710/PE100), 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
- Brass Adapter: C83600 Red Brass (no-lead alloy also available soon)

Testing

- HDPE Pull-out Resistance, 0.2"/min. (5mm/min.): Full Restraint
- HDPE Pull-out Resistance, 20"/min. (500mm/min.): Full Restraint
- Hydrostatic, ASTM D1598, 1600psi (4MPa) @23C: No Failures, >1000 hrs.
- HDPE Quick Burst, ASTM D1599: Ductile Tubing Failure

Standard Compliance

- AWWA: C901, C800
- NSF: Standard 61

About Elster Group

A world leader in advanced metering infrastructure, integrated metering, and utilization solutions to the gas, electricity and water industries. Elster's metering and system 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 a staff of over 7,500 serving customers globally in North America, Central America, South America, Europe, Asia, Africa and the Middle East.

PE Size	Thread Size/Type	HDPE SDR/Wall	Part Number
3/4" CTS	3/4" Male Tapered	SDR 9 (0.097")	61711
1" CTS	1" Male Tapered	SDR 9 (0.125")	61701
3/4" CTS	3/4" Female Tapered	SDR 9 (0.097")	61710
1" CTS	1" Female Tapered	SDR 9 (0.125")	61700
3/4" CTS Ell	3/4" Female Tapered	SDR 9 (0.097")	61760
1" CTS Ell	1" Female Tapered	SDR 9 (0.125")	61750

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