

Permasert® Mechanical Couplings



Permasert mechanical couplings are non-corrosive and require no cathodic protection or protective coatings.

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 Permasert installations
- Molded from industry proven PE4710/Bimodal PE3408 resin
- Sizes from 1/2" CTS to 2" IPS. Also available in metric sizes
- Independent gripping collet and elastomeric seals

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.
- Widest array of mechanical couplings on the market, including Permaserts with integral Excess Flow Valves
- Minimal stress is applied to the PE piping. Couplings have a pull-out strength greater than the connected PE piping
- Safe, dependable performance for more than 30 years with more than 40 million Permasert couplings installed around the world

The Permasert coupling has a pull-out strength greater than the connected polyethylene tubing. Its one-piece construction and design ensure consistent, gas-tight connections in all weather conditions. Permasert couplings are non-corrosive and molded from industry leading PE4710/Bimodal PE3408 which provides significant performance advantages versus other polyethylene resins.



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Permasert mechanical couplings - connect with safety, integrity and speed

Size	SDR/Wall	PE Material	Part Number
1/2" CTS	.062"	PE4710/Bimodal PE3408	50101
1/2" CTS	.090"	PE4710/Bimodal PE3408	50100
1/2" IPS	SDR 9.3	PE4710/Bimodal PE3408	50701
3/4" CTS	.080"	PE4710/Bimodal PE3408	50502
3/4" CTS	.090"	PE4710/Bimodal PE3408	50500
3/4" IPS	SDR 11	PE4710/Bimodal PE3408	50030
1" CTS	.090"/.099"/.102"	PE4710/Bimodal PE3408	50103
1" CTS	.121"	PE4710/Bimodal PE3408	50104
1" IPS	SDR 11	PE4710/Bimodal PE3408	50601
1-1/4" CTS	.090"	PE4710/Bimodal PE3408	50800
1-1/4" CTS	.121"	PE4710/Bimodal PE3408	50801
1-1/2" IPS	SDR 11	PE4710/Bimodal PE3408	50361
1-1/4" IPS	SDR 9.3/10	PE4710/Bimodal PE3408	50035010
1-1/4" IPS	SDR 11	PE4710/Bimodal PE3408	50031
2" IPS	SDR 11	PE4710/Bimodal PE3408	50314

Other configurations available

Laboratory and field tested for regulatory compliance. Meets or exceeds the requirements of ASTM D-2513 category 1, US DOT Part 192, NFPA-58, ISO 4437; GBE/PL3 (June, 1995 revision) and NF T 54 069/54 067; IAPMO® UPC® listed; CSA B137.4 and DVGW VP 600 (G94e153) certified

About Elster Group

Elster Group is the world's leading manufacturer and supplier of highly accurate, high quality, integrated metering and utilization solutions to the gas, electricity and water industries. In addition, through its subsidiary Ipsen International, it is the leading global manufacturer of high level thermo-chemical treatment equipment.

The group has over 8,500 staff, operations in 38 countries and serves over 115 markets around the world. Elster's high quality products and systems reflect the wealth of knowledge and experience gained from over 170 years of dedication to measuring precious resources and energy.

Elster Perfection
222 Lake Street
Madison, OH 44057
USA

T +1 440 428 1171
F +1 440 428 7325

www.elster-perfection.com

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