

# Permasert® Tees, Ells, Wyes and Reducing Ells and Wyes



Permasert tees, ells, wyes and reducing ells and wyes are non-corrosive and require no cathodic protection or protective coatings.

## Features

- One piece construction for elbows, 3-way tees and wyes
- Unique configuration for wye couplings (45° angle)
- Industry's leading stab coupling for PE joining
- No special tools or training
- No need for generators or other costly installation equipment
- Reduced trench/ditch size for Permasert installations
- Molded from industry proven PE4710/Bimodal PE3408 resin
- Independent gripping collet and elastomeric seals

## Benefits

- Allows for installation of 90° elbows or branches in gas lines in a single, easy to install coupling
- Great for split services, especially in tight spots for trenching
- Total installed cost savings versus electrofusion and heat-fusion joining methods
- Fast and easy installation in less than a minute
- Allows for one person installations. Can be installed 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
- Safe, dependable performance for more than 30 years with more than 40 million Permasert couplings installed around the world

This family of products help gas installers save time and money by allowing the branching or reducing of services with one coupling rather than the multiple fusions that traditional installations require. Like all Permasert couplings, Elster Perfection's wyes, tees, ells, and reducers are molded from industry leading PE4710/bimodal PE3408 resin which provides excellent long term performance characteristics.



elster  
Perfection

# Permasert tees, ells, wyes and reducing ells and wyes - connect with safety, integrity and speed

## Permasert® Tees

Size	SDR/Wall	PE Material	Part Number
1/2" CTS	.090"	PE4710/Bimodal PE3408	50199
1/2" CTS	.062"	PE4710/Bimodal PE3408	50290
1/2" IPS	SDR 9.3	PE4710/Bimodal PE3408	50730100
3/4" CTS	.080"	PE4710/Bimodal PE3408	50551
3/4" CTS	.090"	PE4710/Bimodal PE3408	50550
3/4" IPS	SDR 11	PE4710/Bimodal PE3408	50929
1" CTS	.090"/.099"/.102"	PE4710/Bimodal PE3408	50292
1" CTS	.121"	PE4710/Bimodal PE3408	50433
1" IPS	SDR 11	PE4710/Bimodal PE3408	50634
1-1/4" CTS	.090"	PE4710/Bimodal PE3408	50833
1-1/4" CTS	.121"	PE4710/Bimodal PE3408	50830
1-1/4" IPS	SDR 10	PE4710/Bimodal PE3408	50327010
1-1/4" IPS	SDR 11	PE4710/Bimodal PE3408	50989
2" IPS	SDR 11	PE4710/Bimodal PE3408	50316

## Permasert® Ells

Size	SDR/Wall	PE Material	Part Number
1/2" CTS	.062"	PE4710/Bimodal PE3408	51219
1/2" CTS	.090"	PE4710/Bimodal PE3408	50294
1/2" IPS	SDR 9.3	PE4710/Bimodal PE3408	50732100
3/4" IPS	SDR 11	PE4710/Bimodal PE3408	51620
1" CTS	.090"/.099"/.102"	PE4710/Bimodal PE3408	51333
1" CTS	.121"	PE4710/Bimodal PE3408	50432
1" IPS	SDR 11	PE4710/Bimodal PE3408	50636
1-1/4" CTS	.090"	PE4710/Bimodal PE3408	50835
1-1/4" CTS	.121"	PE4710/Bimodal PE3408	50846
1-1/4" IPS	SDR 10	PE4710/Bimodal PE3408	50325010
1-1/4" IPS	SDR 11	PE4710/Bimodal PE3408	50988
2" IPS	SDR 11	PE4710/Bimodal PE3408	50315

## Permasert® Reducing Ells

Size	SDR/Wall	Size	SDR/Wall	PE Material	Part Number
1" CTS	.121"	1/2" CTS	.090"	PE4710/Bimodal PE3408	50968

Other configurations available

## Permasert® Wyes

Size	SDR/Wall	PE Material	Part Number
1/2" CTS	.090"	PE4710/Bimodal PE3408	51702
3/4" IPS	SDR 11	PE4710/Bimodal PE3408	51702040

## Permasert® Reducing Wyes

Call for available configurations

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.

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