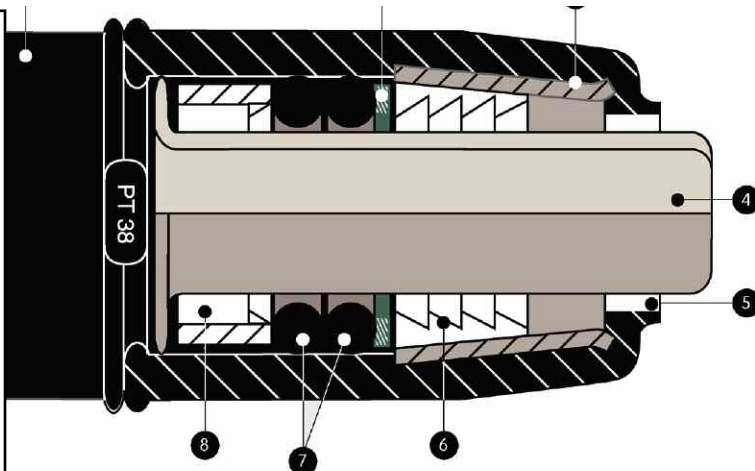




From Main To Meter only Elster Perfection has developed a complete mechanical polyethylene gas distribution system for installing a main-to-meter gas service. This family of easy-to-install products incorporates our Permasert couplings and allows you to make fast and safe piping connections without the use of special tools or expensive equipment. Complementing the wide variety of couplings, we offer anodeless service line risers, PermaLock® Mechanical Tapping Tees, PSV™ polyethylene shut-off valves, and Perfection excess flow valve. Each of these products features Permasert coupling outlets and are available in a broad range of sizes.

MECHANICAL JOINING METHODS FOR POLYETHYLENE PIPE SYSTEMS



Legend

- 1 Permasert® Coupling: Molded from PE4710/PE3408 resin. Permasert meets or exceeds ASTM D 2513, category 1; US DOT Part 192; NFPA 58; EN 1555; and NF T 54 069/54 067; IAPMO®/UPC® listed; CSA B 137.4 and DVGW VP 600 (G94e153) certified.
- 2 Thrust Washer: Provides even distribution of force on the collet.
- 3 Support Ring: Stainless steel ring molded into body of coupling for added strength and support of the gripping collet.
- 4 Stiffener: Zinc-plated steel stiffener guarantees proper alignment and adds support.
- 5 Moisture Seal: Prevents entry of dust, dirt and moisture.
- 6 Collet: Tapered gripping collet prevents pipe pull-out.
- 7 "O" Rings: BUNA-N (Nitrile) elastomer seals provide permanent leak-proof protection.
- 8 Spacer Retainer Ring: Guarantees precise centering of pipe and increases the locking power of collet.

Specifications

| | |
|------------------|---|
| Body | <ul style="list-style-type: none"> - Gas Grade Polyethylene (PE4710/PE3408) - Gripping Support Ring: Stainless Steel - Collet: Acetal (POM) - Thrust Washer: Polyethylene (PE) - O-Rings: BUNA-N (Nitrile) - Spacer Retainer Ring: Acetal (POM) - Insert Stiffener: Zinc-plated Carbon Steel |
| Testing | <p>Pull-out Resistance</p> <ul style="list-style-type: none"> - 0.2"(5 mm)/min. - Full Restraint, pulls to PE yield <p>Pull-out Resistance</p> <ul style="list-style-type: none"> - 20"(500 mm)/min. - Full Restraint, pulls to PE yield <p>Hydrostatic</p> <ul style="list-style-type: none"> - 580 psi (4 MPa) hoop stress - 176°F (80°C) - No Failure >340 hrs. <p>Quick Burst (SDR 11): >493 psig (34 bar)</p> |
| Pressure ratings | Couplings are designed to meet or exceed the maximum design pressure requirements of the piping system. |
| Sizes | 1/2" CTS through 2" IPS (20 mm through 63 mm) |