

USTN

Transition fitting HD-PE/steel with male thread

Transition fitting, steel pipe USTN

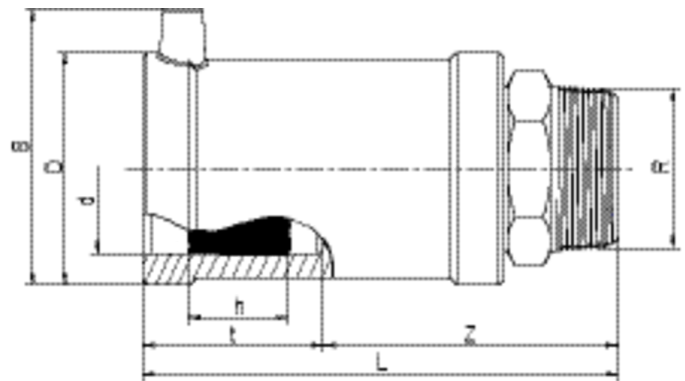
- Gas and H₂
- Working pressure: MOP (gas) 5 bar
- Material: PE 100 and steel [EN 10278; EN 10277-3 - 11SMn30+C -, thread to EN 10226-1]
- Safety technology

Note:

Anchored the steel side non-detachable and non-rotatable in the PE.

Self-sealing, patented sealing geometry without elastomeric gasket for use in gas applications.

Other thread dimensions available on request.



PE 100 SDR 11

Maximum permissible working pressure 5 bar (gas)



| Reference | d | BX | PU | D | R | L | t | z | h | B | Weight kg |
|-----------|----|----|------|----|--------|-----|----|----|----|----|-----------|
| 612580 | 32 | 20 | 1080 | 47 | 1" | 119 | 42 | 77 | 24 | 61 | 0,350 |
| 612582 | 40 | 20 | 800 | 58 | 1 1/4" | 131 | 46 | 86 | 30 | 70 | 0,530 |
| 612584 | 50 | 15 | 600 | 70 | 1 1/2" | 146 | 53 | 93 | 30 | 80 | 0,700 |
| 612586 | 63 | 10 | 400 | 84 | 2" | 152 | 53 | 99 | 35 | 94 | 1,040 |

Other thread dimensions on request

FRIALEN safety fittings can be fused with SDR11 - SDR17,6 pipes, minimum wall thickness s minimum ≥ 3 mm. Other levels of SDR can be processed on request. Please note the mandatory labels directly on the product. DVGW test mark issued: DV-7501AU2256

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Areas of Application

The FRIALEN-Transition Fittings USTN are threaded joints as an adaptor from a metal pipe with threaded socket to a HD-PE pipe. Joint on the part of HD-PE by FRIALEN-Coupler.

Assembly Instructions

The threaded component must be held with a spanner to prevent it twisting in the HD-PE component. The fusion of the HD-PE side takes place by FRIALEN-fusing – leakproof and longitudinally strong. The installation of the steel and the HD-PE side has to be prepared according to the general installation instructions (see "Transition Fittings with threaded connection" in "Assembly Instructions" for "FRIALEN-Safety Fittings for house connections and distribution pipes up to d 225"). This involves removing the oxide skin and cleaning the pipe ends.

Good reasons for using the FRIALEN USTN:

- Compact construction
- HD-PE side with exposed heating element for optimal heat transfer
- Cold zones at the end to prevent the flow of molten material
- No holding clamps required
- Large insertion depth, extra wide fusion zones
- Steel end permanently anchored in the HD-PE and will not distort
- Self sealing patented sealing geometry without elastomer seal
- Additional barcode for tracing back the fitting (Traceability-Coding)