

USTN

Transition fitting HD-PE/steel with male thread

Transition fitting, steel pipe USTN

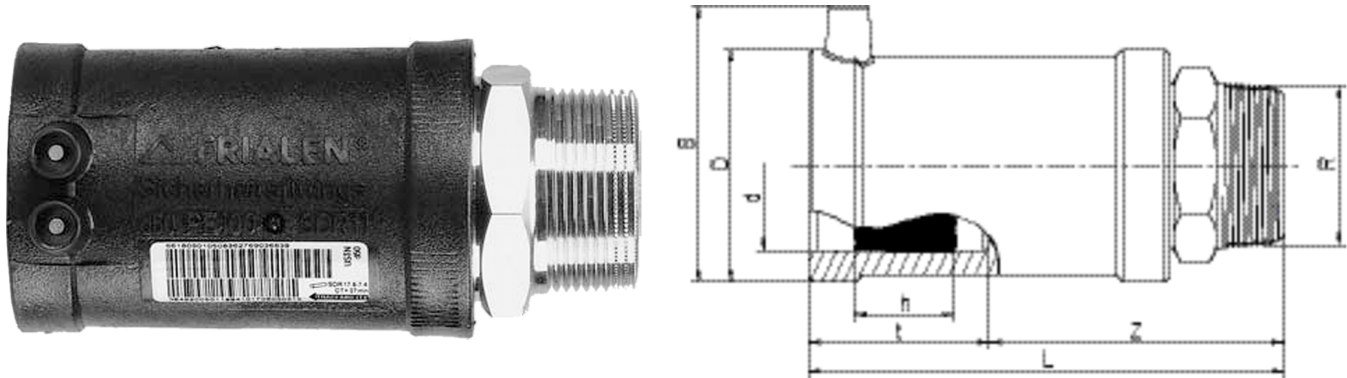
- Gas and H₂
- Maximum pressure: Gas 5 bar
- Material: PE 100 and steel [EN 10278; EN 10277-3 - 11SMn30+C -, thread to EN 10226-1]
- Safety technology

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	R	B	D	h	L	t	z	Weight kg	BX	PU
612580	32	1"	61	47	24	119	42	77	0,345	20	1080
612582	40	1 1/4"	70	58	30	131	46	86	0,530	20	800
612584	50	1 1/2"	80	70	30	146	53	93	0,700	15	600
612586	63	2"	94	84	35	152	53	99	1,050	10	400

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)