

USTR

Transition fitting, steel pipe

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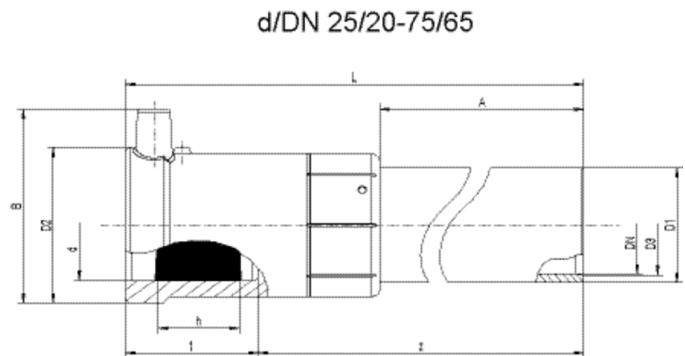
- Gas and H₂
- Maximum pressure: Gas 10 bar
- Material: PE 100 and steel (EN 10220 / EN 10216-1 - P235TR2)
- Safety technology

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.

Steel pipe batch characterised by re-stamping of the pipe connection.



PE 100 SDR 11

Maximum permissible working pressure 10 bar (gas)



	Reference	d/DN	BX	PU	L	t	z	h	B	A	d2	d3	Weight kg
1	612780	32/25	15	360	387	44	343	24	63	300	49	28	0,820
1	612781	40/32	10	240	393	49	344	31	72	300	58	37	1,070
1	612782	50/40	8	192	409	54	355	31	83	300	70	42	1,320
1	612783	63/50	6	144	410	55	355	33	96	300	83	54	1,880
1	612784	90/80	1	77	405	79	326	42	130	255	130	83	5,350
1	612785	110/100	1	54	420	82	338	35	153	255	153	107	8,380
1	612786	125/100	1	45	425	87	338	42	168	255	168	107	8,870
	612787	160/150	1	24	484	98	386	54	210	250	199	161	17,000

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Reference	d/DN	BX	PU	L	t	z	h	B	A	d2	d3	Weight kg
615030	180/150	1	18	500	105	395	50	-	250	227	161	19,697
612795	200/200	1	12	480	112	368	53	-	225	264	211	27,020
612370	225/200	1	11	505	120	385	76	-	225	285	211	27,350

¹ Pipe seamless, welded ends according to standard: DIN EN 10220/EN 10216-1, ASTM A106/A106M-14

FRIALEN safety fittings can be fused with SDR levels 11 to 17.6. Minimum wall thickness $s_{\text{minimum}} \geq 3$ mm. Other SDR levels available on request. Please note the mandatory labels directly on the product. DVGW test mark issued with Reg. No.: DV-7501AU2256, DV-7501AU2257 and DV-7501AU2258

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Areas of Application

FRIALEN-Transition Fittings USTR are used for connection of HD-PE house connection pipe to the steel pipe of the house entry fitting. The larger dimensions connect an HD-PE pipeline to a steel fitting or steel pipeline.

Assembly Instructions

Due to heat dissipation only arc welding is permissible. The fusion of the HD-PE side takes place by FRIALEN-fusing – leakproof and longitudinally strong.

Welding of the steel end and fusion of the HD-PE side have to be prepared according to the general installation instructions (see "Transition Fittings" 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-USTR:

- 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 underground fitting (Traceability-Coding)