

# UB SDR 11

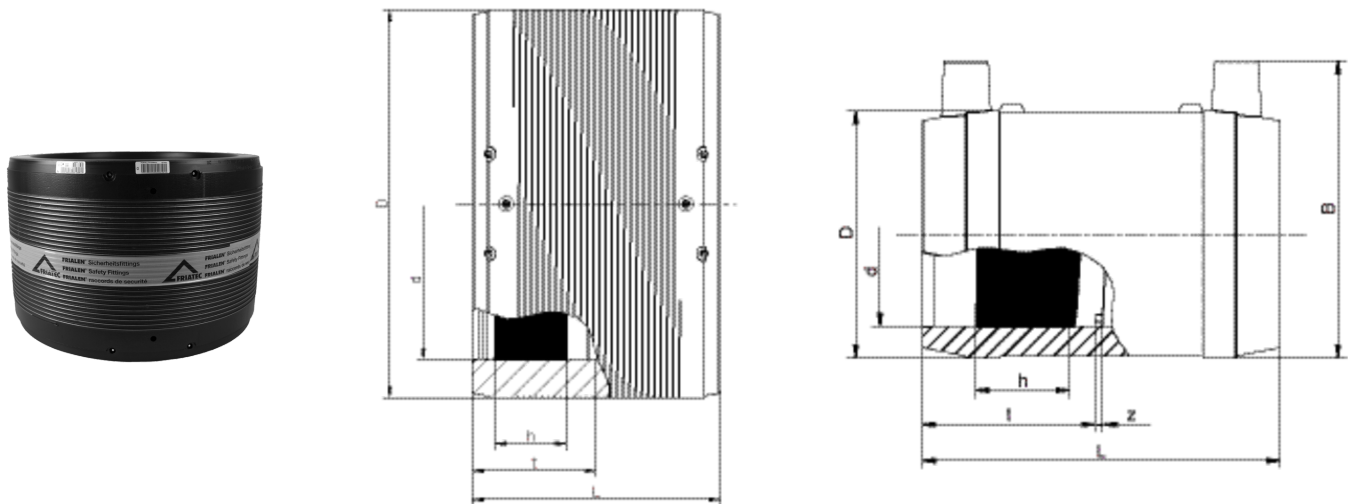
## Coupler without inner stop, SDR 11

Coupler UB SDR 11 without inner stop

- Gas, water and H<sub>2</sub>
- Working pressure: MOP (gas) 10 bar, PFA (water) 16 bar
- Material: PE 100
- Safety technology
- Large insertion depth for good pipe routing (no holding devices required)
- DVGW test mark: DV-8601AU2248, DV-8606AU2249, DV-8611AU2250 and DW-8610CN04200
- FM Approvals Class: 1613 (d 63 - d 500)

### Note:

From nominal size 400 with separate fusion zone and preheating technology.



PE 100 SDR 11

Maximum permissible working pressure 16 bar (water) / 10 bar (gas)



Reference	d	BX	PU	D	L	t	h	B	Weight kg
616577	16	135	4320	29	60	30	16	45	0,030
612662	32	60	1920	45	77	39	21	61	0,070
612663	40	40	1280	54	86	43	23	71	0,090
612664	50	25	800	68	98	49	27	82	0,150
612665	63	15	480	82	112	56	29	96	0,230
612666	75	50	400	98	122	61	32	110	0,330
612667	90	30	240	114	157	78	51	127	0,440
612668	110	24	192	137	159	79	49	152	0,710
612669	125	16	128	156	172	86	46	169	0,940
615001	140	12	96	174	184	92	52	185	1,270
612671	160	8	64	199	190	95	52	207	1,770

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	Reference	d	BX	PU	D	L	t	h	B	Weight kg
	612672	180	6	48	220	210	105	63	228	2,090
	612673	200	1	56	247	220	110	63	252	2,800
	612674	225	1	36	277	236	118	57	280	3,890
	617278	250	1	24	309	247	123,5	66	309	5,800
	617279	280	1	18	344	269	134,5	66	344	7,400
1	612670	315	1	18	390	300	150	78	390	10,050
2	615074	355	1	9	445	300	150	68	445	14,600
	615075	400	1	4	500	320	160	90	500	20,800
	615076	450	1	4	560	340	170	79	560	30,000
	615124	500	1	2	630	360	180	80	630	39,800
	616312	560	1	2	715	380	190	95	715	55,000
	616269	630	1	2	810	420	210	101	810	79,600
	616313	710	1	1	900	442	210	108	900	118,800
	616314	800	1	1	1000	500	250	136	1000	138,800
	616440	900	1	1	1130	600	300	165	1130	210,300
	616989	1000	1	1	1200	680	340	171	1200	121,000

<sup>1</sup> new design up to Q2/2025

<sup>2</sup> new design up to Q4/2025

Please note the mandatory labels directly on the product. DVGW test marks issued: DV-8601AU2248, DV-8606AU2249 and DV-8611AU22500.

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### Areas of Application

The FRIALEN-Coupler UB is used for cut and lay pipe connections.

Additional areas of application:

- Integration of adapters into an existing pipeline
- Connection of pipelines with fixed or restraint points
- Reinforcement / sealing of localised pipe damage
- Reinforcement of pinch points on small dimensions

### Assembly Instructions

The fusion of pipe ends with the FRIALEN-Coupler UB takes place using FRIALEN-fusing – leakproof and longitudinally strong.

The pipe ends are prepared according to the general installation instructions (see "Assembly Instructions" for "FRIALEN-Safety Fittings for house connections and distribution pipes up to d 225" and "FRIALEN-Special Technology for laying large bore pipes and relining pipe networks"). This involves removing the oxide skin and cleaning the pipe ends. Please note that spigot of valves must be at least half as long as the coupler.

To compensate a larger annular gap (> 1 mm, max. 3 mm) between coupler and pipe, the pre-heating barcode can be used for couplers UB from d 400 (see instructions packed up with the coupler).

For removal of the oxide layer, FWSG scraper tools are available which facilitate a uniform swarf removal and a reproducible quality of the fusion area preparation.

### Good reasons for using the FRIALEN-Slide-over Coupler UB:

- Large coupler depth for ease of pipe guiding (no holding clamps required)
- Extra wide fusion zones
- Maximum stability through great wall thickness
- Cold zones at the front side and in the middle of the coupler
- Exposed heating coil for direct heat transmission to the pipe
- Small annular gap for build-up of optimum joining pressure in the fusion zone
- Touch proof electric contacts
- Fusion indicators for visual fusion control
- From d 400: pre-heating technique for an optimal gapbridging
- From d 400: External reinforcement for an ideal fusion pressure
- Durable batch marking
- Individually wrapped for dirt protection
- Additional barcode for tracing back the fitting (Traceability-Coding).