

UB SDR 11

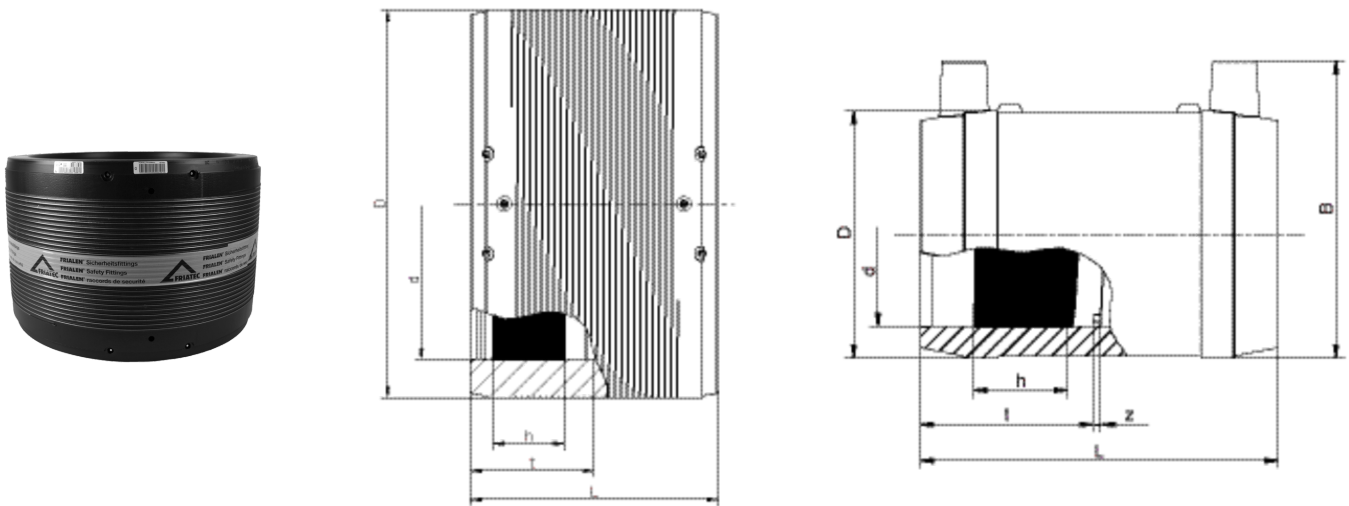
Coupler without inner stop, SDR 11

Coupler UB SDR 11 without inner stop

- Gas, water and H₂
- Maximum pressure: Gas 10 bar; 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	SDR range	B	D	h	L	t	Weight kg	BX	PU
616577	16	11	45	29	16	60	30	0,030	135	4320
612662	32	11	61	45	21	77	39	0,064	60	1920
612663	40	11	71	54	23	86	43	0,096	40	1280
612664	50	11 - 17,6	82	68	27	98	49	0,151	25	800
612665	63	11 - 17,6	96	82	29	112	56	0,225	15	480
612666	75	11 - 17,6	110	98	32	122	61	0,360	50	400
612667	90	11 - 17,6	127	114	51	157	78	0,510	30	240
612668	110	11 - 17,6	152	137	49	159	79	0,705	24	192
612669	125	11 - 17,6	169	156	46	172	86	0,946	16	128
615001	140	11 - 17,6	185	174	52	184	92	1,270	12	96
612671	160	11 - 17,6	207	199	52	190	95	1,772	8	64

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	Reference	d	SDR range	B	D	h	L	t	Weight kg	BX	PU
	612672	180	11 - 17,6	228	220	63	210	105	2,088	6	48
	612673	200	11 - 17,6	252	247	63	220	110	2,798	1	56
	612674	225	11 - 17,6	280	277	71	236	118	3,950	1	36
	617278	250	11 - 17,6	309	309	66	247	123,5	5,418	1	24
	617279	280	11 - 17,6	344	344	66	269	134,5	7,068	1	18
1	612670	315	11 - 17,6	390	390	78	300	150	10,040	1	18
2	615074	355	11 - 17,6	445	445	68	300	150	14,600	1	9
	615075	400	9 - 17,6	500	500	90	320	160	20,800	1	4
	615076	450	9 - 17,6	560	560	79	340	170	30,000	1	4
	615124	500	9 - 17,6	630	630	80	360	180	40,000	1	2
	616312	560	9 - 17,6	715	715	95	380	190	55,000	1	2
	616269	630	9 - 17,6	810	810	101	420	210	79,600	1	2
	616313	710	11 - 17,6	900	900	108	442	210	101,000	1	1
	616314	800	11 - 17,6	1000	1000	136	500	250	138,800	1	1
	616440	900	11 - 17,6	1130	1130	165	600	300	210,300	1	1
	616989	1000	11	1200	1200	171	680	340	223,600	1	1

¹ new design up to Q4/2023

² new design up to Q2/2024

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 a 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).