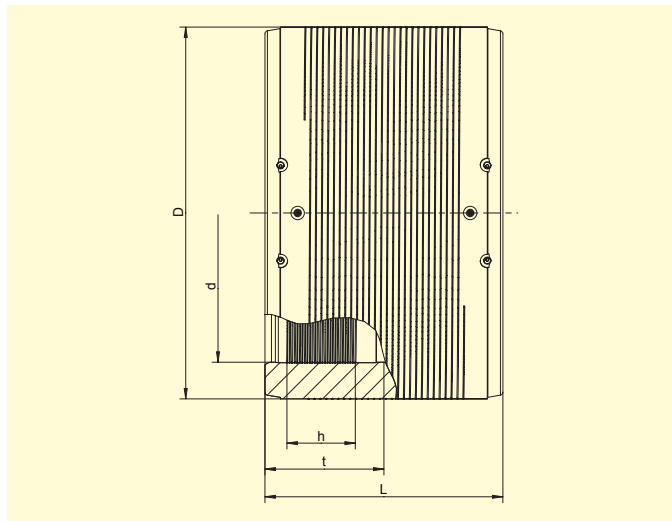
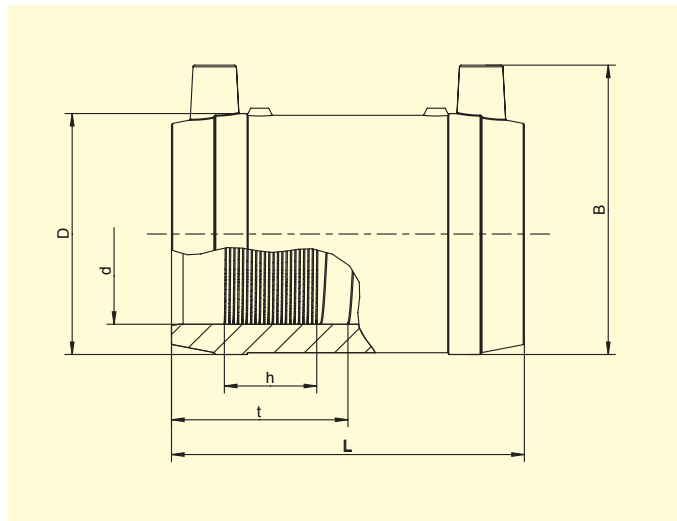


FRIALEN® Slide-over couplers UB and UB-XL

FRIALEN®


PE 100 SDR 11

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



d	Order Ref.	Stock-status	BX	PU	D	L	t	h	B	Weight kg/each
20	612660	1	110	3.520	33	60	30	17	49	0,037
25	612661	1	120	3.840	38	66	33	18	55	0,044
32	612662	1	60	1.920	45	77	39	21	61	0,064
40	612663	1	40	1.280	54	86	43	23	71	0,096
50	612664	1	25	800	68	98	49	27	82	0,151
63	612665	1	15	480	82	112	56	29	96	0,225
75	612666	1	50	400	98	122	62	24	110	0,322
90	612667	1	30	240	114	138	69	41	130	0,436
110	612668	1	24	192	137	159	79	48	152	0,705
125	612669	1	16	128	156	172	86	46	169	0,946
140	615001	1	12	96	174	184	92	52	185	1,270
160	612671	1	8	64	199	190	95	52	207	1,772
180	612672	1	6	48	220	210	105	63	228	2,088
200	612673	1	1	56	247	220	110	63	252	2,798
225	612674	1	1	36	277	236	118	71	280	3,950
250	612675	1	1	24	315	246	123	68	315	5,800
280	615073	1	1	18	347	285	142	56	347	7,740
315	612670	1	1	18	390	300	150	78	390	10,040
355	615074	1	1	9	445	300	150	77	445	14,600
400	615075 ①	1	1	4	500	320	160	90	500	20,800
450	615076 ①	1	1	4	560	340	170	79	560	30,000
500	615124 ①	1	1	4	630	360	180	85	630	40,000
560	616312 ①	2	1	2	715	380	190	95	715	55,000
630	616269 ①	2	1	2	810	420	210	101	810	79,600
710	616313 ①	2	1	1	900	420	210	108	900	101,000
800	616314 ①	2	1	1	1000	500	250	136	1000	138,800
900	616440 ①	2	1	1	1130	600	300	165	1130	210,300

PE 100 SDR 17

Maximum working pressure 10 bar (water)/5 bar (gas)



d	Order Ref.	Stock-status	BX	PU	D	L	t	h	B	Weight kg/each
560	615706 ①	1	1	2	630	380	190	84	630	24,800
630	615726 ①	1	1	2	710	420	210	110	710	36,800
710	615994 ①	1	1	2	800	420	210	80	800	48,600
800	616290 ①	1	1	1	900	500	250	138	900	65,900
900	616345 ①	1	1	1	1024	500	250	110	1024	91,500
1000	616403 ①	1	1	1	1130	610	305	129	1130	121,00
1200	616416 ①	1	1	1	1356	670	335	154	1356	205,00

① separate fusion zones

 Slide-over couplers from d 20 until d 900 PE100 SDR11 are to be processed with pipes SDR 11 / SDR 17.6. Slide-over couplers from d 560 until d 1200 PE100 SDR17 are to be processed with pipes SDR 17 and 17.6. Minimum wall thickness $s_{min} \geq 3$ mm.

Other wall thicknesses on request. Please observe the marking directly at the product, which is mandatory.

DVGW-Registration Nos. DV-8601AU2248, DV-8606AU2249 and DV-8611AU22500.

UB d 800, d 900: Frontal drillings are caused by manufacture and don't have any function for processing the coupler.

Please turn over for important information regarding application of our products.


FRIALEN® Slide-over couplers UB and UB-XL

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

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). Preheating is already integrated in the two-phase fusion process of the couplers UB-XL from d 1000.

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.

For large couplers UB-XL from d 1000, the powerful fusion unit FRIAMAT XL is to be used. The FRIAMAT XL is an all-purpose unit and operates with an input voltage of 400V, output voltage of max. 80V.

Thirteen 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
- Contacts safe to touch
- Fusion indicators for visual fusion control
- From d 400: Pre-heating technique for a optimal gap-bridging
- 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).

For further information, please call our customer service staff and specialist advisers.

FRIATEC Aktiengesellschaft · Technical Plastics Division
 P.O.B. 71 02 61 · D-68222 Mannheim
 Telephone +49 621 486-1431 · Telefax +49 621 479196
 www.friatec.com · E-Mail: info-frialen@friatec.de

Please find our datasheets for downloading on the internet at www.friatec.com