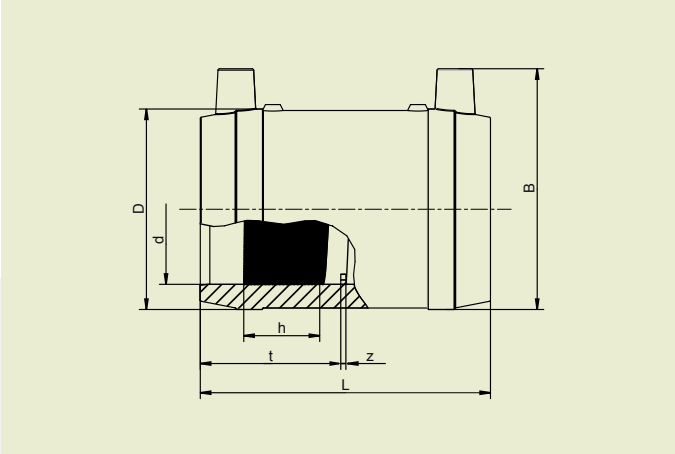
FRIALEN® SAFETY FITTINGS

MB 39.5V COUPLERS WITH REMOVABLE STOP SUITABLE FOR 39.5V FUSION PARAMETERS





PE 100 SDR 11
Maximum working pressure 16 bar (water)/10 bar (gas)

Article description	d	Order Ref.	Stock-status	BX	PU	D	L	t	z	h	B	Weight kg/each
MB	25	612681	1	90	2.880	37	78	39	2	24	54	0.054
MB 39.5V	32	616518 ①	1	60	1.920	44	81	39	2	25	61	0.070
MB 39.5V	40	616520 ①	1	40	1.280	53	88	43	2	26	69	0.090
MB 39.5V	50	616522 ①	1	25	800	65	98	48	2	28	80	0.140
MB	63	612685	1	15	480	82	110	55	2	29	96	0.221
MB	75	612686	1	50	400	98	122	60	3	32	110	0.360
MB	90	612687	1	30	240	114	157	77	3	51	127	0.510
MB	110	612688	1	24	192	137	159	78	3	49	152	0.710
MB	125	612689	1	16	128	156	172	85	3	51	169	0.950
MB	140	612690	1	12	96	174	184	91	3	52	185	1.270
MB	160	612691	1	8	64	199	190	94	3	52	207	1.770

Couplers with removable stop MB from d 25 to d 160 PE 100 SDR 11 are to be processed with pipes SDR 11 / SDR 17.6. Minimum wall thickness s min ≥ 3 mm. Other wall thicknesses on request. Please observe the marking directly at the product, which is mandatory.
DVGW-Registration Nos. DV-8601AU2248 and DV-8606AU2249.
The allowed processing range by using electrofusion units with constant output voltage is by an ambient temperature between -5°C and +35°C. The stated fusion time on the fitting barcode is for the complete temperature range.

① for HDPE pipes SDR 11

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Areas of Application

FRIALEN couplers with removable stop MB is used for cut and lay pipe connections. These couplers are processable for electrofusion units with a constant output voltage of 39.5V by manual input of the fusion time. For the manual input of the fusion parameters, the fusion time is stated on the fitting barcode.

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 couplers with removable stop MB 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“). 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.

For removal of the oxide skin, 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 Coupler with removable stop MB:

- Compact construction
- 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
- Durable batch marking
- Individually wrapped for dirt protection
- Additional barcode for tracing back the fitting (Traceability-Coding).