



## ELECTROFUSION COUPLER

1200/01-001

### PE100, 4.0mm Fusamatic (Automatic) Pin

PE100 Electrofusion coupler with 4.0mm Fusamatic pin. For gas, water, wastewater, irrigation and mining applications. All fittings are manufactured using virgin PE100 black polyethylene.

Electrofusion fittings enable utilities, designers and contractors to create fully welded pipe networks.

The production quality, reliability and flexibility of electrofusion fittings provides the certainty and peace of mind needed for polyethylene pipe jointing.

#### Product description:

Electrofusion coupler for gas, water, wastewater, irrigation and mining applications. 4.0mm Fusamatic pin, PE100, Water PN16, Gas 10 Bar. Temperature range on electrofusion fittings -10°C/+40°C.

#### Standards:

Fusion have numerous local and international product approvals as well as ISO 9001 and ISO 29001 quality management system approvals.

Fusamatic branded electrofusion fittings are designed and manufactured to the product standards listed (other product certificates are available upon request).

- EN ISO 15494
- EN 12201-3
- EN 1555-3
- ISO 4437-3
- ISO 4427-3

Note: Regional variations may apply to some of the standards referenced. Please contact us for further details.

#### Features:

- All fittings are manufactured using virgin PE100 black polyethylene
- Water PN16 / Gas 10 Bar (All stated technical specifications depend on PE pipe welded to and any local pipeline pressure regulations)
- Fusamatic pin 4.0mm (automatic method to ensure correct welding parameters are used)
- Rising pin fusion indicators allow for easy monitoring of the fusion process
- Manual welding parameters moulded into the body of the fitting
- All electrofusion fittings are individually numbered for precise tracking
- Permanent batch number - clearly marked for quality control
- Barcode and QR code enables full traceability of each fitting back to raw materials and critical components
- Welding barcode compliant with ISO 13950 and traceability barcode compliant with ISO 12176-4
- Fusamatic branded

#### Options

- Available as electrofusion end caps
- Compatible with long spigot outlet electrofusion and spigot fittings
- Available with threaded transition adaptors - brass and stainless steel
- Available with excess flow valves

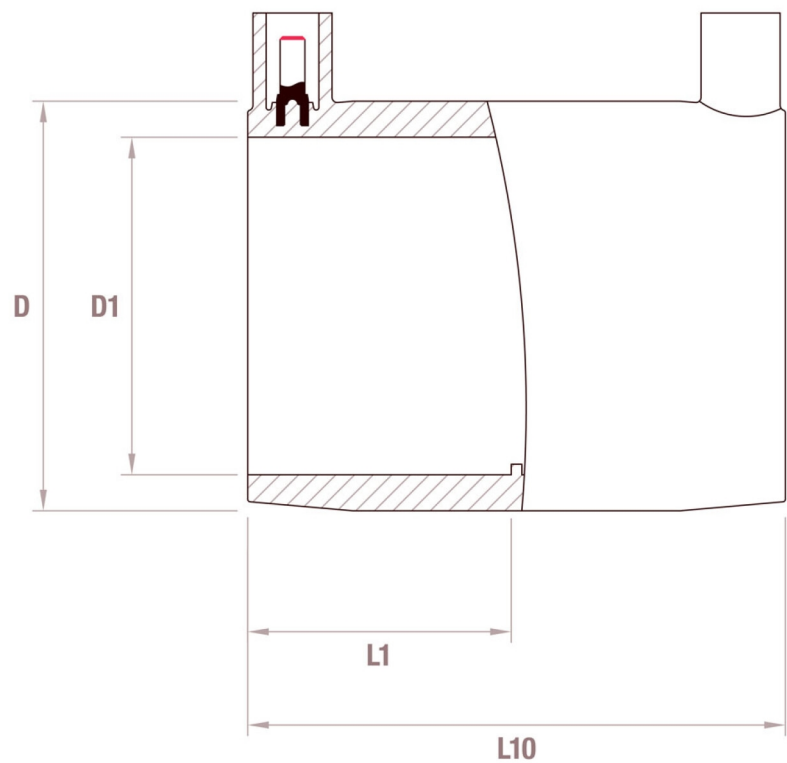
#### Accessories:

- Electrofusion control box, pipe cutters, pipe scrapers, pipe alignment and rerounding clamps, generators, Fusion Assist.



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**Reference nos. and dimensions:**

Ref. No.	Fitting Size	L10	L1	D	D1	SDR Range	Fusion Time	Cooling Time	Theoretical weight / kg
	mm						Secs	Mins	
CBKHFA20	20	77	37.5	29	20	11	35	3	0.036
CBKHFA25	25	77	37.5	33.5	25	11	30	3	0.041
CBKHFA32	32	77	37.5	43	32	11	45	3	0.062
CBKHFA40	40	91	44	51.5	40	11	40	5	0.086
CBKHFA50	50	91	44	61.5	50	11	90	5	0.102
CBKHFA63	63	102	50	78	63	11	35	3	0.1695
CBKHFA75	75	122	59.5	92.5	75	11 - 17.6	50	5	0.265
CBKHFA90	90	122	60	109.5	90	11 - 17.6	90	10	0.388
CBKHFA110	110	144	70	133	110	11 - 17.6	160	10	0.57
CBKHFA125	125	154	75	151	125	11 - 17.6	200	15	0.79
CBKHFA140	140	165	81	173	140	11 - 17.6	160	10	1.12
CBKHFA160	160	175	86	195	160	11 - 17.6	300	20	1.412
CBKHFA180	180	187	92	219	180	11 - 17.6	360	20	1.924
CBKHFA200	200	187	92	242	200	11 - 17.6	440	20	2.312
CBKHFA225	225	222	111	270	225	11 - 17.6	600	30	3.65
CBKHFA250	250	222	111	303	250	11 - 21	900	30	4.8
CBKHFA280	280	260	130	345.5	280	11 - 21	900	30	8.28

**Comments:**

Check that both pipe(s) and fitting to be joined are compatible, only compatible materials should be joined together. Check the PN and SDR rating marked on fitting and compare with that of the pipe. If in doubt, seek advice from the manufacturer. Correct installation procedures should be followed.