

ELECTROFUSION 45° ELBOW

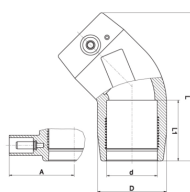
Plasson Electrofusion fittings are globally recognised as best in class. Plasson SmartFuse electrofusion 45° elbows provide a 45° change of direction in a PE main, with integrated resistors that enable automatic weld time recognition when used with a Plasson electrofusion machine, and a single weld time between -10°C and +45°C. The coated coil system is widely regarded as the easiest to use in the trench. Rated PN16 for water, the range is suitable for gas, water, recycled water, compressed air and other industrial applications.

FEATURES AND BENEFITS

- High quality PE100-RC resins
- Coated coils protect the electrical design and offer superior gap filling properties
- Large welding and cooling zones for joint integrity
- SmartFuse automatic weld time recognition eliminates manual input errors
- Suitable for gas, water, recycled water, compressed air and other industrial applications



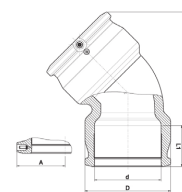
32mm to 75mm



32mm to 75mm



90mm to 250mm



90mm to 250mm

Product Code	Size d	L	L1	D	A	Carton	W	PN Water	SDR Gas	Pipe SDR Suitability
4906001	32	95	39	45	43	240	75	16	11	7.4-11
4906002	40	108	42	55	46	160	117	16	17	7.4-17
4906003	50	125	49	68	51	96	181	16	17	7.4-17
4906004	63	148	57	81	59	60	264	16	17	7.4-17
4906005	75	180	71	96	62	40	426	16	17	7.4-17
4906006	90	243	75	112	69	22	759	16	17	7.4-17
4906007	110	271	81	143	78	12	1269	16	17	7.4-17
4906008	125	304	86	165	88	8	2030	16	17	7.4-17
4906009	140	342	92	182	95	5	2471	16	17	7.4-17
4906010	160	350	95	209	105	4	3350	16	17	7.4-17
4906011	180	434	105	244	114	2	6150	16	17	7.4-17
4906012	200	472	112	261	125	1	7050	16	17	7.4-17
4906013	225	520	120	294	140	1	9800	16	21	7.4-17
4906014	250	571	129	326	151	1	13400	16	21	7.4-26

Dimensions in mm. W = weight in grams. Carton = units per pack. PN Water = pressure rating on water. SDR Gas = SDR rating of the fitting. Pipe SDR Suitability = SDR range of pipe the elbow can be welded to.

MATERIALS

- **Body:** PE100-RC (crack resistant) resin, black
- **Heating coil:** Coated, embedded in the fitting body

INSTALLATION

Plasson Australia no longer publish generic how to perform electrofusion instructions. Plasson Australia recommend installation as per POP001 – Electrofusion Jointing of PE Pipe and Fittings for Pressure Applications as published by Plastics Industry Pipe Association of Australia (PIPA). This is free to download from <https://pipa.com.au>

OPERATING TEMPERATURES

Refer to the PIPA POP013 guidelines.
 Link: <https://pipa.com.au/technical/pop-guidelines/>

WELDING

- Integrated resistors for automatic weld time recognition (SmartFuse) when used with a Plasson electrofusion machine.
- Single weld time between -10°C and +45°C.
- ISO 13950 compliant barcode system.

CHEMICAL RESISTANCE

Plasson electrofusion fittings are made from high quality PE100-RC (crack resistant) resins. For chemical purposes they are considered as being made from HDPE, high density polyethylene.

QUALITY CERTIFICATES

Plasson fittings are tested and approved according to AS/NZS 4129:2020. These fittings are included in schedules for WaterMark, ISO Type 5 Certificate of Conformity and have been WSAA appraised.

Electrofusion fittings are batch controlled. Record the batch number on the fitting label and contact Plasson Australia for a copy of the EN 10204 3.1 Inspection Certificate.