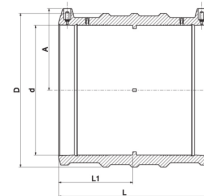


LIGHTFIT COUPLER

Plasson Electrofusion fittings are globally recognised as best in class. The Plasson LightFit coupler is a SmartFuse fitting 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 PN10 for water, the LightFit range is an economical alternative to the PN16 coupler for lower pressure applications and is suitable for gas, water, recycled water, sewer, compressed air and other industrial applications.



40mm to 400mm



40mm to 400mm

Product Code	Size d	L	L1	D	A	Carton	W	PN Water	SDR Gas	Pipe SDR Suitability
4601001	40	90	43	56	47	200	100	10	17	7.4-17
4601002	50	100	49	68	52	132	149	10	17	7.4-17
4601003	63	118	57	77	57	112	160	10	17	11-26
4601004	75	126	61	90	63	60	216	10	17	11-26
4601005	90	148	72	108	69	44	360	10	17	11-26
4601006	110	163	80	131	81	25	570	10	17	11-33
4601007	125	173	85	149	87	20	760	10	17	11-33
4601008	140	182	89	167	94	12	970	10	17	11-33
4601009	160	198	97	193	104	6	1390	10	17	11-33
4601010	180	212	104	215	114	5	1735	10	17	11-33
4601011	200	232	114	235	127	4	2110	10	17	11-33
4601012	225	240	118	264	141	4	2825	10	17	11-33
4601013	250	256	126	293	155	2	3728	10	17	11-33
4601014	280	275	135	332	166	1	5380	10	17	11-33
4601015	315	284	140	374	184	1	7100	10	17	11-33
4601016	355	280	138	421	204	1	8823	10	17	11-41
4601017	400	296	146	474	227	1	12000	10	17	11-41

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 coupler can be welded to.

Sizes 450mm and larger available in separate data sheet (Large Diameter LightFit Couplers).

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>

These couplers have small centre stops which can easily be removed for use as a slip coupler.

OPERATING TEMPERATURES

Refer to the PIPA POP013 guidelines.

Link: <https://pipa.com.au/technical/pop-guidelines/>

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
- Removable centre pipe stops allow slip installation
- Suitable for gas, water, recycled water, sewer, compressed air and other industrial applications

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.