

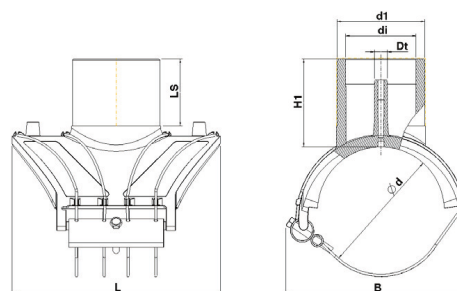
ELECTROFUSION BRANCH SADDLE WITH RED WIRE UNDERPART

4958

Plasson Electrofusion fittings are globally recognised as best in class. Plasson SmartFuse electrofusion branch saddles with red wire underpart provide a welded spigot branch outlet on a PE main without the need to cut and re-join the main. The saddle has a unique large coated coil that extends inside the bore of the outlet for a stronger joint, and is clamped to the main with a red wire underpart using only a 6mm allen key. A 16mm test spigot allows a field weld integrity pressure test before the main is core cut. Integrated resistors enable automatic weld time recognition when used with a Plasson electrofusion machine, with a single weld time between -10°C and +45°C. Rated PN16 for water, the range is suitable for gas, water, recycled water, sewer, compressed air and other industrial applications.

FEATURES AND BENEFITS

- High quality PE100-RC resins
- Supplied with sacrificial red wire underpart
- Large coated coil extends inside the outlet bore for a stronger joint
- 16mm test spigot for weld integrity pressure test prior to core cutting
- 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
- SDR11 spigot outlet for better flow
- Suitable for gas, water, recycled water, sewer, compressed air and other industrial applications



Product Code	Size d x d1	B	H1	LS	L	di	Dt	Carton	W	PN Water	SDR Gas	Pipe SDR Suitability
4958168	125 x 90	180	106	81	242	73	16	9	890	16	11	7.4-17
4958154	125 x 110	180	109	84	242	89	16	9	1004	16	11	7.4-17
4958169	140 x 90	189	106	81	242	73	16	9	830	16	11	7.4-17
4958155	140 x 110	189	109	84	242	89	16	9	901	16	11	7.4-17
4958170	160 x 90	222	107	81	263	73	16	6	1330	16	11	7.4-17
4958156	160 x 110	222	110	84	263	89	16	6	1020	16	11	7.4-17
4958171	180 x 90	229	107	81	263	73	16	6	1480	16	11	7.4-17
4958157	180 x 110	229	110	84	263	89	16	6	1140	16	11	7.4-17
4958178	180 x 125	249	156	338	141	102	16	4	-	16	11	7.4-17
4958175	180 x 160	249	167	338	152	131	16	4	-	16	11	7.4-17
4958172	200 x 90	277	109	81	295	73	16	6	1960	16	11	7.4-17
4958158	200 x 110	277	111	84	295	89	16	6	1630	16	11	7.4-17
4958179	200 x 125	249	156	338	141	102	16	4	-	16	11	7.4-17
4958176	200 x 160	249	167	338	152	131	16	4	-	16	11	7.4-17
4958173	225 x 90	277	109	81	295	73	16	6	1800	16	11	7.4-17
4958159	225 x 110	277	112	85	295	89	16	6	1500	16	11	7.4-17
4958180	225 x 125	291	156	338	141	102	16	4	-	16	11	7.4-17
4958177	225 x 160	291	167	338	152	131	16	4	-	16	11	7.4-17
4958174	250 x 90	280	109	81	295	73	16	6	1650	16	11	7.4-17
4958160	250 x 110	280	111	84	295	89	16	6	1310	16	11	7.4-17
4958181	250 x 125	291	156	338	141	102	16	4	-	16	11	7.4-17
4958182	250 x 160	291	167	152	338	131	16	4	-	16	11	7.4-17

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

Branch saddles with solid or fabric underpart (63mm to 315mm mains) and large bore branch saddles (280mm to 800mm mains) are available in separate data sheets.

MATERIALS

- **Body:** PE100-RC (crack resistant) resin, black
- **Heating coil:** Coated, embedded in the fitting body
- **Underpart:** Steel wire with polymer coating
- **Bolts and nuts:** Galvanised (chrome passivated)

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>

Some products are unique to Plasson and require specialised tools or installation instructions, these products come with printed instructions included in the fitting bag.

6mm allen key is all that is required to tighten the underpart.

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.