

ELECTROFUSION BRANCH SADDLE

Plasson Electrofusion fittings are globally recognised as best in class. Plasson SmartFuse electrofusion branch saddles provide a welded spigot branch outlet on a PE main without the need to cut and re-join the main. The saddle is supplied with a solid or fabric underpart that clamps it to the main during welding, 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, sewer, compressed air and other industrial applications.

FEATURES AND BENEFITS

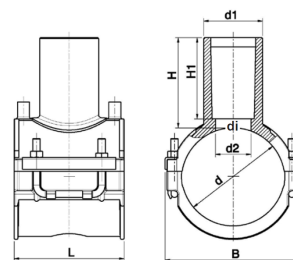
- High quality PE100-RC resins
- Supplied with sacrificial underpart
- Coated coils protect the electrical design and offer superior gap filling properties
- Large welding and cooling zones for joint integrity
- SmartFuse automatic weld time recognition eliminates manual input errors
- SDR11 spigot outlet for better flow
- Suitable for gas, water, recycled water, sewer, compressed air and other industrial applications



Solid underpart
63mm to 180mm mains, outlets 32mm to 63mm



Fabric underpart
200mm to 315mm mains and all sizes with 90mm outlet



Product Code	Size d x d1	Underpart	B	H1	LS	L	di	Carton	W	PN Water	SDR Gas	Pipe SDR Suitability
4958001	63 x 32	Solid	100	59	49	118	23	56	394	16	11	7.4-11
4958002	63 x 40	Solid	100	78	66	118	29.5	40	400	16	11	7.4-11
4958003	63 x 50	Solid	100	93	82	118	37.5	40	430	16	11	7.4-11
4958004	63 x 63	Solid	100	94	85	118	45	40	462	16	11	7.4-11
4958005	75 x 32	Solid	117	59	49	118	23	48	431	16	11	7.4-11
4958006	75 x 40	Solid	117	78	66	118	29.5	36	451	16	11	7.4-11
4958007	75 x 50	Solid	117	93	82	118	37.5	32	465	16	11	7.4-11
4958008	75 x 63	Solid	117	94	85	118	45	32	522	16	11	7.4-11
4958009	90 x 32	Solid	126	59	49	118	23	32	519	16	11	7.4-17
4958010	90 x 40	Solid	126	78	68	118	29.5	32	529	16	11	7.4-17
4958011	90 x 50	Solid	126	93	82	118	37.5	32	550	16	11	7.4-17
4958012	90 x 63	Solid	126	94	85	118	45	24	608	16	11	7.4-17
4958013	90 x 90	Fabric	139	105	90	176	66	15	934	16	11	7.4-17
4958014	110 x 32	Solid	148	59	49	118	23	24	585	16	11	7.4-17
4958015	110 x 40	Solid	148	78	68	118	29.5	24	598	16	11	7.4-17
4958016	110 x 50	Solid	148	93	82	118	37.5	20	629	16	11	7.4-17
4958017	110 x 63	Solid	148	94	85	118	45	20	658	16	11	7.4-17
4958018	110 x 90	Fabric	162	105	90	176	68	18	949	16	11	7.4-17
4958019	125 x 32	Solid	162	59	49	118	23	24	634	16	11	7.4-17
4958020	125 x 40	Solid	162	78	68	118	29.5	20	644	16	11	7.4-17
4958021	125 x 50	Solid	162	93	82	118	37.5	20	670	16	11	7.4-17
4958022	125 x 63	Solid	162	94	85	118	45	16	703	16	11	7.4-17
4958023	125 x 90	Fabric	169	105	90	176	68	18	953	16	11	7.4-17
4958024	140 x 32	Solid	180	59	49	118	23	24	661	16	11	7.4-17
4958025	140 x 40	Solid	180	78	68	118	29.5	16	677	16	11	7.4-17
4958026	140 x 50	Solid	180	93	82	118	37.5	16	705	16	11	7.4-17
4958027	140 x 63	Solid	180	94	85	118	45	16	740	16	11	7.4-17
4958028	140 x 90	Fabric	174	105	90	176	68	16	965	16	11	7.4-17
4958029	160 x 32	Solid	200	59	49	118	23	16	744	16	11	7.4-17
4958030	160 x 40	Solid	200	78	68	118	29.5	16	757	16	11	7.4-17
4958031	160 x 50	Solid	200	93	82	118	37.5	16	778	16	11	7.4-17
4958032	160 x 63	Solid	200	94	85	118	45	16	804	16	11	7.4-17
4958033	160 x 90	Fabric	176	105	90	176	68	16	961	16	11	7.4-17
4958034	180 x 32	Solid	219	59	49	118	23	16	800	16	11	7.4-17
4958035	180 x 40	Solid	219	78	68	118	29.5	12	800	16	11	7.4-17
4958036	180 x 50	Solid	219	93	82	118	37.5	12	828	16	11	7.4-17
4958037	180 x 63	Solid	219	94	85	118	45	12	886	16	11	7.4-17
4958038	180 x 90	Fabric	182	105	90	176	68	15	962	16	11	7.4-17
4958039	200 x 63	Fabric	202	102	85	176	47	15	862	16	11	7.4-17
4958040	200 x 90	Fabric	202	105	90	176	68	15	900	16	11	7.4-17

Product Code	Size d x d1	Underpart	B	H1	LS	L	di	Carton	W	PN Water	SDR Gas	Pipe SDR Suitability
4958041	225 x 63	Fabric	227	102	85	176	47	15	882	16	11	7.4-17
4958042	225 x 90	Fabric	227	105	90	176	68	15	983	16	11	7.4-17
4958043	250 x 63	Fabric	252	102	85	176	47	15	970	16	11	7.4-17
4958044	250 x 90	Fabric	252	105	90	176	68	15	1070	16	11	7.4-17
4958045	280 x 90	Fabric	282	105	90	176	68	10	990	16	11	7.4-17
4958046	315 x 90	Fabric	317	105	90	176	68	15	1005	16	11	7.4-17

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 saddle can be welded to.

Large bore branch saddles (280mm to 800mm mains) and branch saddles with red wire underpart and test spigot are available in separate data sheets.

MATERIALS

- **Body:** PE100-RC (crack resistant) resin, black
- **Heating coil:** Coated, embedded in the fitting body
- **Underpart:** Solid PE or fabric strap, with clamping bolts
- **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.

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.