PLASSON AUSTRALIA

ELECTROFUSION TRANSITION SADDLE 4938

Plasson Electrofusion fittings are globally recognised as best in class. Plasson SmartFuse electrofusion transition saddles provide a welded female threaded outlet on a PE main without the need to cut and re-join the main, for connection of valves, hydrants, meters and other threaded equipment. The outlet is a lead-free DZR brass female BSP thread moulded into the saddle body. 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
- Lead-free DZR brass female threaded outlet
- Supplied with sacrificial underpart (63mm to 250mm)
- Large bore saddles suit a range of main sizes with one fitting
- 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, sewer, compressed air and other industrial applications

TRANSITION SADDLE

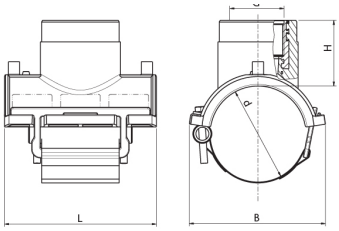
63mm to 250mm



63mm to 180mm
Outlets 1 1/4" and 1 1/2"



90mm to 250mm
Outlet 2"

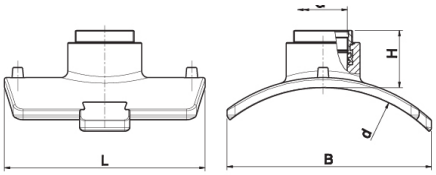


Product Code	Size d x Rp	B	H	L	Carton	W	PN Water	SDR Gas	Pipe SDR Suitability
4938201	63 x 1 1/4"	100	53	118	48	612	16	11	7.4-11
4938202	75 x 1 1/4"	117	53	118	40	656	16	11	7.4-11
4938203	90 x 1 1/2"	121	53	118	16	930	16	11	7.4-17
4938204	90 x 2"	142	76	176	14	1436	16	11	7.4-17
4938206	110 x 1 1/2"	142	53	118	12	1006	16	11	7.4-17
4938207	110 x 2"	158	76	176	12	1500	16	11	7.4-17
4938209	125 x 1 1/2"	158	53	118	12	1049	16	11	7.4-17
4938210	125 x 2"	166	76	176	12	1510	16	11	7.4-17
4938211	140 x 1 1/2"	175	53	118	10	1072	16	11	7.4-17
4938212	140 x 2"	174	76	176	10	1520	16	11	7.4-17
4938213	160 x 1 1/2"	196	53	118	8	1163	16	11	7.4-17
4938214	160 x 2"	176	76	176	10	1540	16	11	7.4-17
4938216	180 x 1 1/2"	216	53	118	6	1200	16	11	7.4-17
4938217	180 x 2"	182	76	176	10	1500	16	11	7.4-17
4938218	200 x 2"	202	76	176	10	1575	16	11	7.4-17
4938219	225 x 2"	227	76	176	10	1570	16	11	7.4-17
4938220	250 x 2"	252	76	176	10	1040	16	11	7.4-17

LARGE BORE TRANSITION SADDLE

280mm to 800mm





Product Code	Size d x Rp	B	H	L	Carton	W	PN Water	SDR Gas	Pipe SDR Suitability
4938221	280-400 x 2"	305	77	306	8	1975	16	11	7.4-17
4938222	450-800 x 2"	315	77	306	8	1960	16	11	7.4-26

Dimensions in mm. W = weight in grams. Carton = units per pack. Rp = female BSP thread size. 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.

Sensor saddles with stainless steel thread (4938101-4938106, 110mm to 1200mm mains, 1/2" to 1" outlets) are available in a separate data sheet.

MATERIALS

- **Body:** PE100-RC (crack resistant) resin, black
- **Heating coil:** Coated, embedded in the fitting body
- **Threaded insert:** Lead-free DZR (dezincification resistant) brass
- **Underpart:** PE, sacrificial (63mm to 250mm)
- **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.

Large bore transition saddles must be installed with the dedicated Plasson clamping tool (2012001). Refer to the tooling section of the catalogue.

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.

THREADS

- Female threads are parallel (BSPP), referred to as Rp.
- Threads to AS ISO 7.1
- Plasson recommend the use of PTFE tape in BSP threaded connections.

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.