PLASSON AUSTRALIA

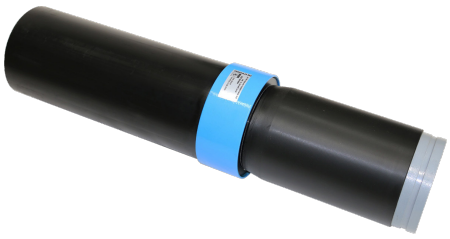
PE TO STEEL ROLL GROOVE TRANSITION

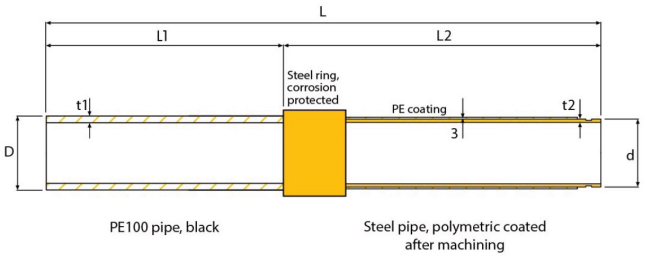
4927

Plasson PE to steel roll groove transitions provide a simple bolt-free solution for joining underground PE fire mains to above ground steel hydrant assembly pipework. The long PE100 spigot is welded to the PE main by electrofusion or butt fusion, and the roll grooved steel end connects directly to standard grooved couplings without flanges, bolts or gaskets. The steel is polymeric coated for long term corrosion resistance, with a black PE sleeve over the buried section. Rated PN16, the range is intended for non-potable water applications, principally fire mains.

FEATURES AND BENEFITS

- Bolt-free transition – no flanges, bolts or gaskets required
- Long PE100 spigot suitable for electrofusion or butt fusion
- AS 2419 compliant steel for above ground use
- Durable grey polymeric coating protects the steel against UV damage and corrosion for an increased life span
- Black PE sleeve coating on the steel negates the need for petrolatum tape wrap when buried
- Reduces installation time and labour compared with flanged transitions
- Custom sizes and configurations available on request





Product Code	Size D x DN	d	L	L1	L2	t1	t2	Carton	W	PN Water	PE SDR
4927047	110 x 4"	114.3 (DN100)	945	415	530	10	6.02	1	9000	16	11
4927022	125 x 4"	114.3 (DN100)	935	400	535	11.3	6.02	1	4200	16	11
4927023	180 x 6"	165.1 (DN150)	800	400	400	16.4	5.5	1	7280	16	11
4927043	200 x 8"	219.1 (DN200)	800	400	400	18.2	8.18	1	24600	16	11
4927044	250 x 8"	219.1 (DN200)	800	385	415	18.2	8.18	1	28000	16	11
4927045	250 x 10"	273 (DN250)	800	385	415	22.7	9.27	1	33000	16	11
4927046	315 x 12"	323.9 (DN300)	815	360	455	28.6	8	1	60000	16	11

Dimensions in mm. W = weight in grams. Carton = units per pack. PN Water = pressure rating on water. PE SDR = SDR rating of the PE spigot.

MATERIALS

- **PE spigot:** PE100 pipe
- **Steel section:** Carbon steel pipe, roll grooved, AS 2419 compliant
- **Transition ring:** Steel, corrosion protected
- **Coating:** Grey polymeric coating with black PE sleeve over the buried steel section

INSTALLATION

Plasson Australia recommend electrofusion jointing as per POP001 – Electrofusion Jointing of PE Pipe and Fittings for Pressure Applications, or butt fusion jointing as per POP003 – Butt Fusion Jointing of PE Pipes and Fittings, as published by Plastics Industry Pipe Association of Australia (PIPA). These are free to download from https://pipa.com.au

OPERATING TEMPERATURES

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

APPLICATIONS

- Designed for connecting buried PE fire mains to above ground steel hydrant and booster assembly pipework to AS 2419.
- Not suitable for potable water or gas.

ROLL GROOVE END

- Steel end is roll grooved for standard grooved pipe couplings.
- Steel pipe outside diameter (d) matches the nominal ANSI/AS 2419 steel pipe size shown in the table.
- Grey polymeric coating is applied after machining of the groove.

CHEMICAL RESISTANCE

The PE spigot is made from PE100 resin. For chemical purposes it is considered as being made from HDPE, high density polyethylene. The steel section is protected by a polymeric coating and is suitable for non-potable water services only.

QUALITY CERTIFICATES

Plasson fittings are tested and approved according to AS/NZS 4129:2020. These fittings are included in schedules for ISO Type 5 Certificate of Conformity. This is a requirement of AS/NZS 2419. Electrofusion and spigot 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.