PLASSON AUSTRALIA

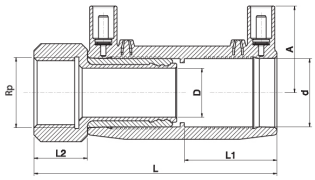
FEMALE FREE NUT TRANSITION COUPLER 4941

Plasson Electrofusion fittings are globally recognised as best in class. The Plasson SmartFuse female free nut transition coupler provides a fully welded transition from PE pipe to a female BSP union nut, for direct connection to male threaded valves, meters, pumps and other threaded equipment. The lead-free brass nut spins freely on the coupler body and seals on an NBR flat seal, so the threaded connection can be made up and undone without rotating the pipe or the fitting. Rated PN16 for water, the range is suitable for water, recycled water, compressed air and other industrial applications.

FEATURES AND BENEFITS

- High quality PE100-RC resins
- Free spinning lead-free brass union nut with NBR flat seal
- Connect and disconnect from threaded equipment without rotating the pipe
- Seamless transition from PE pipe to threaded valves and equipment
- Large welding and cooling zones for joint integrity
- SmartFuse automatic weld time recognition eliminates manual input errors





Product Code	Size d x Rp	L	L1	L2	D	A	Carton	W	PN Water	SDR Gas	Pipe SDR Suitability
4941207	20 x 3/4"	106	37	30	14	34	200	160	16	11	7.4-11
4941208	25 x 3/4"	112	40	30	14	37	140	150	16	11	7.4-11
4941209	25 x 1"	115	40	33	19	37	140	200	16	11	7.4-11
4941233	32 x 3/4"	100	39	20	14	42	100	164	16	11	7.4-11
4941210	32 x 1"	124	42	36	19	42	100	260	16	11	7.4-11
4941211	32 x 1 1/4"	124	42	36	23	42	78	310	16	11	7.4-11
4941212	40 x 1 1/4"	113	44	23	23	47	52	320	16	11	7.4-11
4941213	40 x 1 1/2"	135	47	38	29	45	52	444	16	11	7.4-11
4941214	50 x 1"	136	49	36	19	52	32	700	16	11	7.4-11
4941215	50 x 2"	141	49	41	38	52	32	709	16	11	7.4-11
4941216	63 x 2"	161	57	44	38	57	28	770	16	11	7.4-17.6
4941217	63 x 2 1/2"	166	57	49	48	57	20	1154	16	11	7.4-17.6
4941235	75 x 2 1/2"	175	66	49	48	66	-	-	16	11	7.4-17.6
4941234	90 x 2 1/2"	192	71	49	48	78	-	-	16	11	7.4-17.6

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 fitting can be welded to.

MATERIALS

- **Body:** PE100-RC (crack resistant) resin, black
- **Heating coil:** Coated, embedded in the fitting body
- **Threaded insert:** Lead-free DZR (dezincification resistant) brass, free spinning nut
- **Seal:** NBR flat seal

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

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.
- The brass thread section can still rotate after welding is complete.

THREADS

- Female threads are parallel (BSPP), referred to as Rp.
- Threads to AS ISO 7.1
- The free nut seals on the NBR flat seal against the face of the mating male fitting.

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.