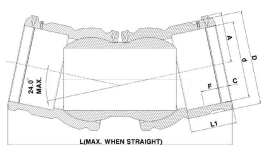


ADJUSTABLE ELBOWS

Plasson Electrofusion fittings are globally recognised as best in class. The unique adjustable elbow range is designed to eliminate stresses in the fusion zone when dealing with misaligned pipe or connections with undefined angle. Prior to welding, the ball joints are fully adjustable up to 12 degrees each. After welding, the joint is a fixed electrofusion welded connection. Two styles are available: socket–socket with two ball joints (up to 24 degrees) and socket–spigot with one ball joint (up to 12 degrees). Rated PN16 for water, the range is suitable for gas, water, recycled water, compressed air and other industrial applications.



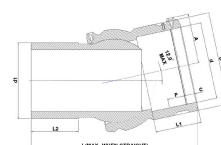
Socket – Socket



Socket – Socket



Socket – Spigot (One Sided)



Socket – Spigot (One Sided)

ADJUSTABLE ELBOW Socket – Socket | Up to 24 degree angle

Product Code	Size d	L	L1	D	A	Carton	W	PN Water	SDR Gas	Pipe SDR Suitability
4947012	90	341	72	116	77	12	1450	16	11	7.4-17
4947001	110	362	80	140	83	8	2030	16	11	7.4-17
4947002	125	382	85	157	95	8	2630	16	11	7.4-17
4947003	160	453	97	215	106	3	4510	16	11	7.4-17
4947004	180	489	99	237	116	2	7490	16	11	7.4-17
4947005	200	512	104	250	125	2	9733	16	11	7.4-17
4947026	225	600	105	282	141	1	13230	16	11	7.4-17
4947013	250	644	123	312	156	1	16775	16	11	7.4-17

ADJUSTABLE ELBOW ONE SIDED Socket – Spigot | Up to 12 degree angle

Product Code	Size d x d1	L	L1	L2	D	A	Carton	W	PN Water	SDR Gas	Pipe SDR Suitability
4947014	90 x 90	258	72	82	116	77	20	940	16	11	7.4-17
4947006	110 x 110	276	85	85	140	83	12	1290	16	11	7.4-17
4947007	125 x 125	292	90	90	157	95	12	1740	16	11	7.4-17
4947008	160 x 160	341	97	100	215	106	4	3150	16	11	7.4-17
4947009	180 x 180	370	99	145	221	128	3	4210	16	11	7.4-17
4947010	200 x 200	370	104	116	250	125	2	6172	16	11	7.4-17
4947011	225 x 225	426	105	124	282	141	2	8340	16	11	7.4-17
4947015	250 x 250	455	123	134	312	156	1	10800	16	11	7.4-17

Dimensions in mm. L = maximum length when straight. 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 fitting can be welded to.

MATERIALS

- **Body:** PE100-RC (crack resistant) resin, black
- **Heating coil:** Coated, embedded in the fitting body

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/>

FEATURES AND BENEFITS

- High quality PE100-RC resins
- Adjustable installation angle that welds solid
- Up to 12 degrees deflection at each ball joint
- Reduces fitting requirements when working in tight spots or joining misaligned pipe
- SmartFuse automatic weld time recognition eliminates manual input errors
- Suitable for gas, water, recycled water, compressed air and other industrial applications

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.
- Set the required angle (up to 12 degrees per ball joint) before welding; once welded the joint is fixed.

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.