PLASSON AUSTRALIA

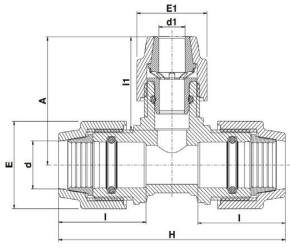
METRIC POLY TO COPPER TEE 7043

The Plasson Metric Poly to Copper Tee joins two lengths of metric PE pipe and provides a copper tube branch in a single fast-fit compression fitting. Made from heavy-duty polypropylene, it provides an instant watertight seal and a secure grip on both the PE pipe and the copper tube without soldering, brazing or special tools. Rated PN16 for water, the range is suitable for potable and recycled water, plumbing, compressed air, irrigation and civil applications.

FEATURES AND BENEFITS

- Easy connection of a copper branch from a PE main
- Colour-coded ends for easy identification — black nuts for PE pipe, brown nut for copper tube
- Heavy-duty polypropylene body — UV, chemical and corrosion resistant
- Captive o-ring creates a watertight connection
- Suitable for potable water — AS/NZS 4020 approved
- Impact and abrasion resistant
- O-rings and grip rings with higher chemical resistance available





Product Code	Size d (PE) x d1 (Cu)	E	E1	H	I	I1	A	Bag	Carton	W	PN
7043001	20 x 15 (1/2”)	48	48	145	56	56	73	1	250	85	16
7043002	25 x 15 (1/2”)	54	48	150	58	57	74	1	200	102	16
7043003	25 x 20 (3/4”)	54	54	156	58	58	78	1	200	103	16
7043004	25 x 25 (1”)	54	54	156	58	58	78	1	150	120	16
7043005	32 x 25 (1”)	64	54	173	67	58	83	1	150	115	16

Dimensions in mm. d = PE pipe outside diameter (both run ends). d1 = copper tube nominal size to AS 1432 (branch). W = weight in grams. Bag / Carton = units per pack.

MATERIALS

- **Body and nuts:** Polypropylene (PPB), high-grade copolymer
- **Grip ring:** Acetal (POM). CPVC available for aggressive chemical applications
- **Copper grip ring:** Stainless steel 316
- **Seal:** NBR o-ring. EPDM and FPM o-rings available for enhanced chemical resistance

INSTALLATION

Metric pipe ends: Before installation ensure that the end of the pipe to be inserted into the fitting is free of scratches and other imperfections, and that both the pipe and the fitting itself are clean of sand, mud, stones etc.
Chamfer and lubricate pipe to aid insertion.
Insert pipe until it hits the end stop.
Tighten firmly by hand.
If fittings are reused, Plasson recommend replacing the grip ring with a new one.

Copper tube branch: Cut the copper tube square and remove all burrs inside and out. Ensure the tube is round, clean and free of scratches, dents or score marks where it enters the fitting. Insert the tube until it hits the end stop and tighten the brown nut firmly by hand, then a further 3/4 turn with wrenches. Complete all soldering or brazing on the copper line before fitting the tee and allow the tube to cool. If the fitting is to be reused, a new stainless steel grip ring must be inserted.

COPPER TUBE

- Suits Australian copper tube to AS 1432 in 15mm (1/2”), 20mm (3/4”) and 25mm (1”) nominal sizes.
- Not suitable for copper tube to other dimensional standards without checking the tube outside diameter.

OPERATING TEMPERATURES

Designed for cold water services. Refer to the PIPA POP013 guidelines.
Link: https://pipa.com.au/technical/pop-guidelines/

QUALITY CERTIFICATES

Plasson fittings are third party certified to conform to AS/NZS 4129:2020. This certification is backed up with WaterMark approval and WSAA Appraisals. All materials are AS/NZS 4020 tested and suitable for use in drinking water.