



CARRINGTON  
PRODUCTS

## Copper Press Fittings

Carrington Products copper press fittings are manufactured for use with copper tube in plumbing applications.

This system is designed to simplify installation by reducing the need for brazing. Fittings can be installed simply with a press tool, giving a quick professional secure joint, every time.

Carrington's fittings range from DN15 – DN-50 manufactured to AS3688 for use with tube to AS1432 specifications. The EPDM factory fitted "O" ring sealing element ensures fittings are suitable for water applications with a maximum working pressure of 1600KPa and an operating temperature range from -20°C to 90°C.

Installations shall be carried out by an appropriately licenced tradesperson in full accordance to the relevant standards and local authority's requirements.

### Instructions for use:

**Cutting of copper tube:** Cut copper tube to required length with a wheel-type cutter or fine tooth saw. Ensure cut is square and any swarf and burrs are removed. Check tube is free of any defects or contaminants that may affect the sealing of the joint.

*(Ensure tube is deburred both inside and out prior to inserting into fittings)*

**Check seal.** Check the seal is correctly seated and clean.

**Mark out engagement.** Insert tube into the fitting. With a marker pen, mark the outer edge of the engagement. This will give a visual guide that the fitting is fully engaged prior to pressing.

**Pressing.** Ensure the correct size jaw is installed, open jaws and place over the fitting. Check engagement point is correct, start pressing by holding the trigger on your press unit till ram has completed the cycle. Open jaws and remove. Check joint.

**Testing.** Testing to be carried out in accordance with AS/NZS3500 for water installations in addition to any local regulations or requirements.

CARRINGTON PRODUCTS PTY LTD

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**Protection of fittings.** All care should be taken to protect fittings from mechanical or chemical damage before, during and after installation. Fittings should be stored in a clean dry environment to ensure dirt and grit does not contaminate the “O” ring.

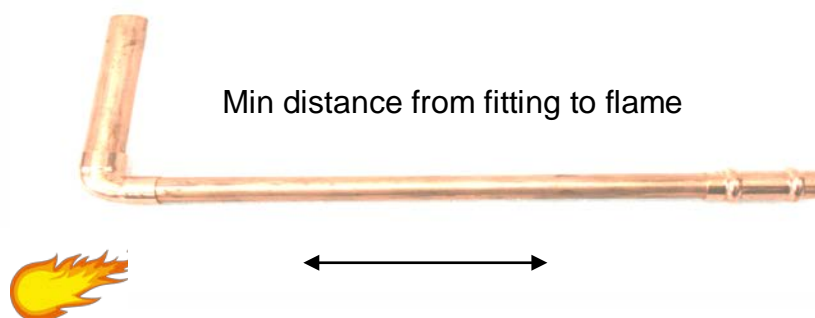
As copper fittings are continually installed in framework, caution should be taken to protect fittings and copper tube from abrasion. Holes should be sized for expansion/contraction movement, while still securing pipe runs adequately. Grommets or sleeves should be installed on metal frames.

**Fixing spaces.** Fixing runs of tube, spacing should be observed on either vertical or horizontal fixings as tabled.

TUBE SIZE	Vertical or Horizontal fixing spacings
DN15	1.5 METER
DN20	1.5 METER
DN25	2.0 METER
DN32	2.5 METER
DN40	2.5 METER
DN50	3.0 METER

**Brazing distance from press fitting.** While brazing near press fittings should be avoided, to prevent seal damage from heat generated during the process, the minimum clearance distance tabled below should be observed. When brazing near press fittings, additional heat suppression methods are recommended to prevent damage to the join.

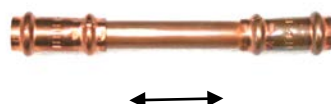
TUBE SIZE	Minimum distance from fitting to flame
DN15	500mm
DN20	500mm
DN25	800mm
DN32	900mm
DN40	1000mm
DN50	1400mm



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**Clearance between fittings.** If installing fittings within close proximity to each other, a minimum distance needs to be retained. Tube needs to be free of any deformation that could occur during the pressing process. Minimum distance required between fittings.

TUBE SIZE	Minimum distance between fittings
DN15	5mm
DN20	5mm
DN25	10mm
DN32	15mm
DN40	20mm
DN50	20mm



Carrington's Copper Press Fittings are manufactured to AS3688-2005, under the Watermark licence number WM-001566. Water fittings have a factory fitted Ethylene Propylene Diene Monomer (EPDM) sealing ring. EPDM is a strong, flexible synthetic rubber, with proven resistance to decay, aging, ozone, weathering and hot water, making it compatible for a broad range of applications, including drinking water.

If retrofitting to existing copper installation, clean end of tube with soft scourer or emery paper and make sure it is in good condition before inserting in fitting.

Carrington's Copper Press Fittings are covered by a 25 year warranty against defects provided they were installed by a licensed tradesperson using these instructions.

Carrington's Copper Press Fittings are compatible with other copper press fit systems manufactured to AS3688-2005 and approved press fit tools.