

Series 5000 (Delcop End Feed)

Copper/Copper Alloy End Feed Applications: 6mm - 54mm

Installation Instructions

General

Conex Bänninger Series 5000 (Delcop) copper/copper alloy fittings should be professionally installed by an appropriately trained and qualified installer. All installations **must** be completed in line with local regulations and by-laws governing the installation, and all applicable health and safety practices must be adhered to.

Tube compatibility & standards

- To suit copper tube to **EN 1057**.
- Meets standards: **EN 1254-1 & 4**.
- Threads meet: **ISO 7-1 & EN 10226-1**.

Joint information

- When soldered or brazed correctly to copper tubes, Series 5000 (Delcop) capillary fittings form a mechanically strong leak-proof joint.
- Designed for soft solder and brazing applications, Series 5000 (Delcop) fittings may also be brazed (with the exception of union fittings with copper tails).
- Manufactured from copper, with some items produced in dezincification resistant (DZR) brass, the fittings are immune or highly resistant to dezincification, and safe to use with drinking water supply. Series 5000 (Delcop) are available in sizes: 6mm - 54mm.
- Working pressures and temperatures for Series 5000 (Delcop) fittings are from -20°C to 110°C if soldered and 150°C and 200°C if brazed (this depends on the brazing alloy used).
- For fitting sizes 66.7mm - 159mm, please refer to Series 5000 (Delbraz).

Do not force tube ends together prior to making joints. Joints should only be made on an unstressed pipework assembly.

Further technical information

Please visit - www.conexbanninger.com or email - technical@ibpgroup.com, for further information.

Applications

- Drinking water
- Hot and cold water services
- Solar
- Natural and LPG gas
- Refrigeration and air-conditioning
- Compressed air with and without oil content
- Vacuum
- Fuel/Oil

Water safe

The symbol **CR** found on DZR bodied products in Series 5000 (Delcop End Feed) is recognized by the water industry and specified in the European Standards as a mark denoting material of assessed capability of resistance to corrosion.

Electrical continuity

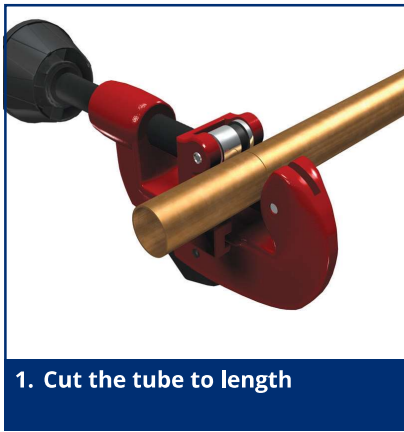
The design of Series 5000 (Delcop) ensures that electrical continuity is maintained throughout metallic pipe joints so that earth bonding is not required.

Tube preparation

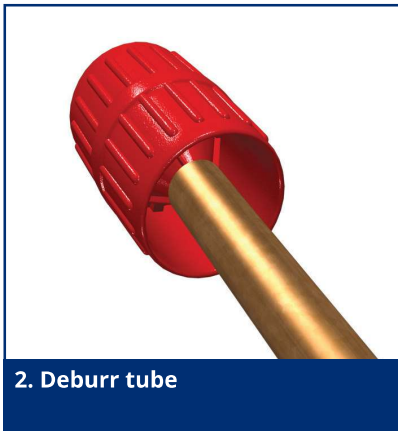
Note: Avoid hand held grinding wheels, fast cutting saws and hacksaws, as these are **not suitable** for cutting tube ends square. If tube ends do become distorted, remove the damaged section, using an appropriate cutting method.

Safety Note: Working with an exposed flame can be potentially dangerous. Ensure that all appropriate health and safety regulations and requirements are met when using this product.

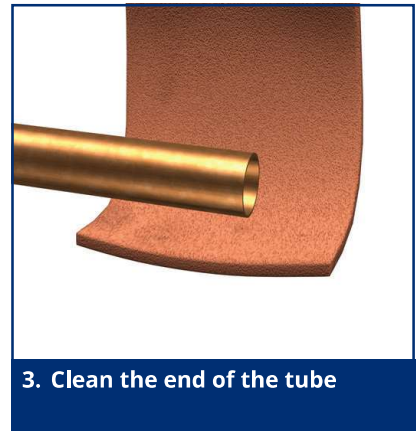
Leave the fittings in the packaging prior to installation, to protect them from contamination.



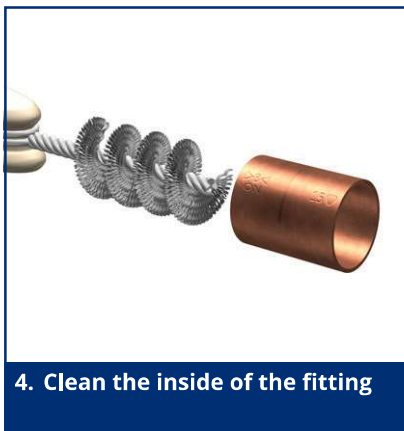
- Cut the tube to the required length using a rotary cutter.



- Deburr the tube internally and externally.



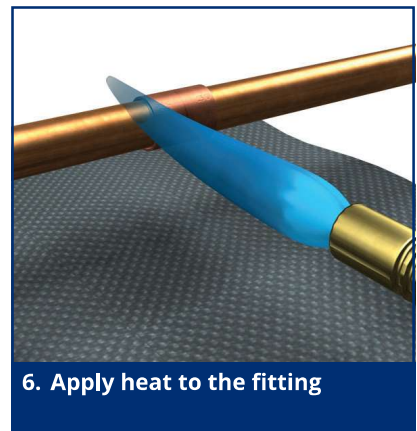
- Clean the end of the tube, ensuring that it is round and undamaged.



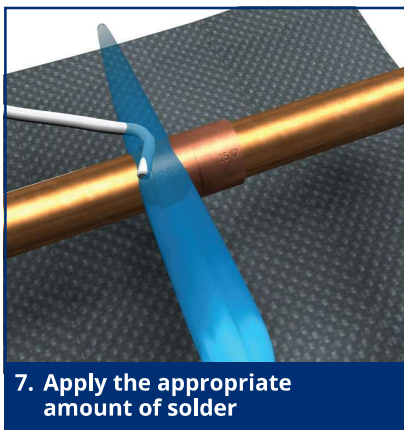
- Clean the inside of the socket ensuring that the internals are clean and free from any obstruction.



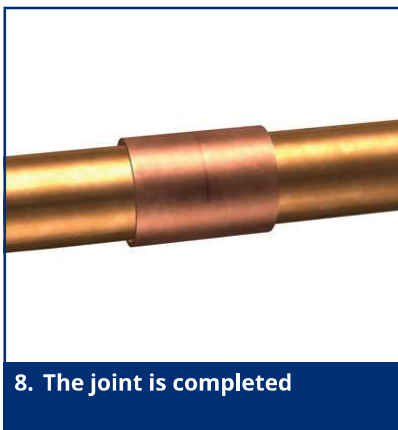
- Apply flux to the inside of the fitting socket.



- Apply heat to the fitting.
IMPORTANT: When using an open flame, ALWAYS ensure fire prevention measures are taken.



- Apply the appropriate amount of solder to flood the joint.



- Once the joint is completed, wipe away any flux residue.



- Finally test the installation.

The content of this publication is for general information only. It is the user's responsibility to determine suitability of any product, product data and specifications, for the purpose intended and reference should be made to our Technical Department if clarification is required – technical@ibpgroup.com. All products must be installed in accordance with our installation instructions. In the interests of technical development we reserve the right to change specification, design and materials without notice.

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