

Conex Compression derives its name from the 'Cone' in the fitting body and the 'X' codes that were used to denote the fitting type.

When assembled onto the tube and tightened, the compression ring is compressed between the two differing tapers in the capnut and fitting respectively and the fact that the sharper angle of the body taper constitutes a larger area of ring contacting the fitting body, obviates any tendency for the tube to revolve as the joint is being secured.

Tightening the capnut to secure the joint causes the compression ring to change form, making a perfect two-point seal that actually indents the tube on both points of contact.

This ensures a compression joint that is easily capable of withstanding pressures far in excess of those that would be experienced in normal usage



## Product range

For further details on our full range please visit: [www.conexbanninger.com](http://www.conexbanninger.com)

<b>Straight Coupler</b>  <b>301 S301</b> From: 6mm To: 108mm	<b>Tee - Equal</b>  <b>601EQ S601EQ</b> From: 6mm To: 76mm	<b>Elbow</b>  <b>401</b> From: 6mm To: 54mm	<b>Male Elbow</b>  <b>402CP S402CP</b> From: 15 x 1/2" To: 22 x 3/4"
<b>Single Step Reducer</b>  <b>S68S</b> 8 x 6mm	<b>Straight Tap Connector</b> Max temp 60°C  <b>303SF S303SF</b> From: 15 x 1/2" To: 22 x 3/4"	<b>Tank Connector</b>  <b>321 S321</b> From: 15mm To: 54mm	<b>Crossover</b>  <b>S301CO</b> From: 15mm To: 22mm
<b>Cross - Equal</b>  <b>901</b> 22 x 22 x 22 x 22mm	<b>Bent Tap Connector</b>  <b>S403SFPC</b> 15 x 1/2"	<b>Straight Servicing Valve</b>  <b>720NP</b> From: 15 x 10mm To: 22 x 22mm	<b>Gate Valve Brass Gate Valves</b>  <b>1001CP</b> From: 15mm To: 54mm
<b>DZR Gate Valves</b>  <b>1101/100</b> From: 67mm To: 76mm	<b>Internal reducer</b>  <b>S68</b> From: 10mm x 8mm To: 76mm x 67mm	<b>Compression Ring</b>  <b>65</b> From: 6mm To: 108mm	<b>Capnut</b>  <b>63</b> From: 8mm To: 76mm

Conex Bänninger products are approved by numerous Standards Authorities and Certification Bodies. This is a representation of the full range from Conex Universal Ltd. IBP trademarks are registered in numerous countries. More information online at: [www.conexbanninger.com](http://www.conexbanninger.com)

**Conex Universal Limited:** Global House, 95 Vantage Point, The Pensnett Estate, Kingswinford, West Midlands DY6 7FT, UNITED KINGDOM.  
 Tel: +44 (0)121 557 2831, Fax: +44 (0)121 557 0185  
 Email: [salesuk@ibpgroup.com](mailto:salesuk@ibpgroup.com), Website: [www.conexbanninger.com](http://www.conexbanninger.com)



The unique, ribbed capnut design with multiple tube versatility.

## One fitting, many tubes

Conex Compression connects a wide range of different, size compatible tube types, including copper tube to EN 1057, low carbon steel, stainless steel, PE-X and PB. This is a diverse fitting that can be used for multiple applications, and can really cut down on the inventory costs of professional plumbers.

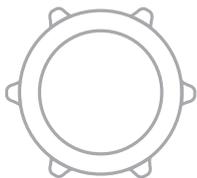
## Simple to fit and flame-free

PTFE tape or sealant on the compression end is not required and the only tools you'll need to create a really secure leak-proof joint and suitable spanners.

The cap and ring are slipped onto the tube in a logical sequence and then the tube fully inserted into the Conex Compression fitting, tightening the capnut as far as possible by hand, followed by the minimum number of turns with a flat faced spanner. Once joined, the fitting can be reused up to three times.

## Unique rib-nut design

Conex Compression is easily identified by its unique, ribbed capnut design. Engineered to offer a unique combination of compactness, strength, grip and effortless engagement.



## Applications

Its versatility means that it can be used in a wide variety of domestic and commercial applications including hot or cold drinking water, heating, solar, gas, waste, rain water, fluid distribution, air pressure lines and shipbuilding.

## Corrosion resistant

Where water supplies are unusually aggressive, conventional duplex brass water fittings can suffer a form of corrosion known as dezincification.

Conex Compression fittings are available in DZR brass an alloy produced especially to minimise dezincification. The fittings are marked with the **CR** symbol, which is recognised and accepted by Water Industry bodies.

## Materials

Conex Compression fittings are produced in duplex brass, DZR brass and dezincification immune red brass. All materials are low lead content and comply with strict European requirements for materials in contact with drinking water. For applications where parts of a system are on display, the fittings are available in a more aesthetic chrome finish.

## Tube compatibility

Conex Compression is compatible with multiple tubes including copper tube to EN 1057, low carbon steel, stainless steel and plastic pipe including cross-linked polyethylene (PE-X) and polybutylene (PB).

## Size and capnut availability

Conex Compression is available with hexagonal capnut for sizes 6–12 mm, ribbed capnuts in sizes 15–28 mm and an octagonal capnuts for sizes 35–54 mm. Fittings in sizes 66.7 mm, 76.1 mm and 108 mm sizes incorporate a compression plate and tightening is through 6 - 3/8" BSW nuts and studs.

## Operating pressures and temperatures

Conex Compression fittings operate at working pressures and temperatures (for heating and drinking water) from 0°C to 120°C, LPG and natural gas -20°C to 70°C and compressed air 7 bar at 30°C.

## Standards and approvals

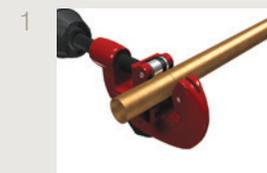
Conex Compression fittings are WRAS approved and BSI Kitemark certified to BS EN 1254 Part 2.

## Guarantee

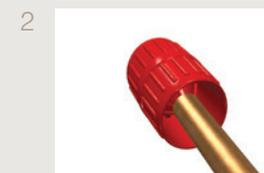
When professionally installed and used in accordance with the installation instructions, Conex Compression is guaranteed against manufacturing defects for 25 years from date of first purchase.

Visit [www.conexbanninger.com](http://www.conexbanninger.com).

## Installation guidelines



1 Cut tube to length required



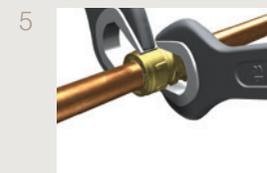
2 Deburr the tube internally and externally



3 Assemble cap and compression ring on to tube in correct order



4 Assemble to body of the fitting and hand tighten



5 Tighten joint to the correct number of turns as per recommendations stated in the technical catalogue



6 Assemble further cap and compression rings to body and hand tighten



See technical brochure for full details.



Installation videos are also available on our youtube channel.