# Conex Compression Range



*Conex Compression ribnut profile*



Conex | Bänninger



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| MATERIAL | TUBE SPECIFICATION | | SIZE ▸ | 6mm to 18mm | | 22mm | 28mm to 54mm | | |
|---|---|---|---|---|---|---|---|---|---|
| COPPER | Hard/Half Hard | EN1057-R250 | Nº of turns | 11/4 | | 1 | 3/4 | | |
| | | | Liner | none | | none | none | | |
| | | EN1057-R290 | Nº of turns | 1 | | 3/4 | 1/2 | | |
| | | | Liner | none | | none | none | none | |
| COPPER | Soft | EN1057-R220 | SIZE ▸ | 8mm | | 10mm | 15mm | 18mm | 22mm |
| | | | Nº of turns | 11/4 | | 11/4 | 11/4 | 11/4 | 1 |
| | | | Liner: SC1 | 8 x 1.0 | | 10 x 1.0 | 15 x 1.0 | 18 x 1.0 | 22 x 1.0 |
| STAINLESS STEEL | EN10312 Series 1+2 (BS4127) | | SIZE ▸ | 6mm to 22mm | | 28mm | 35mm to 54mm | 67mm to 76.1mm | |
| | | | Nº of turns | 3/4 | | 1/2 | 1/2* | * | |
| | | | Liner | none | | none | none | none | |
| FLEXIBLE | PB POLYBUTYLENE | | SIZE ▸ | 10mm | | 15mm | 22mm | 28mm | |
| | | | Nº of turns | 1½ | | 1½ | 1½ | 1½ | |
| | | | Liner | 10 x 1.5/1.8 | | 15 x 1.7/2.0 | 22 x 2.0/2.3 | 28 x 2.6/2.9 | |
| | PE-X CROSS LINKED POLYETHYLENE | | SIZE ▸ | 10mm | | 15mm | 22mm | 28mm | |
| | | | Nº of turns | 1½ | | 1½ | 1½ | 1½ | |
| | | | Liner | 10 x 1.5/1.8 | | 15 x 1.5/1.8 | 22 x 2.0/2.3 | 28 x 2.6/2.9 | |
| | MDPE MEDIUM DENSITY POLYETHYLENE | | SIZE ▸ | 20mm | | 25mm | 32mm | | |
| | | | Nº of turns | 1½ | | 1½ | 1½ | | |
| | | | Liner: PY | 20 x 2.3/2.6 | | 25 x 2.3/2.6 | 32 x 3.0/3.4 | | |

PLEASE CONSULT OUR TECHNICAL DEPARTMENT WHEN USING OTHER MATERIALS.
Liner to be specified by the tube manufacturer.

*Please refer to our Technical Department.



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## COMPRESSION ASSEMBLY INSTRUCTIONS:

**Tools required:**

Tube cutter, deburring tool, 2 flat-faced spanners.

### Assembly

- Ensure the tube and fitting sizes are compatible. Cut the tube end square, and ensure it retains its shape.
- Deburr the tube, both inside and outside.
- Remove the capnut and compression ring from the fitting.
- Slide the capnut, and compression ring onto the tube.
- Join the fitting onto the tube end, and slide the compression ring, and capnut towards the fitting.
- Hand tighten the capnut.
- With suitable flat-faced spanners, tighten the joint to the recommended minimum number of turns.



### Demounting

- Turn off water supply and drain system.
- Place a suitable receptacle under the joint to be dismounted.
- With suitable flat-faced spanners, undo the joint.
- Slide the capnut back from the captive compression ring.
- Pull the tube from the fitting socket, ensuring any excess water is collected in the receptacle.





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## Brass, DZR & Red Brass Compression Range



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Conex Bänninger Compression fittings are especially advantageous in retrofit plumbing schemes, where space is confined and/or the use of heat must be avoided. They are available in 6-108mm and are suitable for connecting a wide range of tubes in accordance with EN 1057.

The unique ribbed capnuts are supplied in 15-28mm. Sizes 6-12 are hexagonal capnuts and the 35-54mm are supplied with octagonal capnuts. Fittings in 66.7-108mm incorporate loose compression plates, where tightening is through six 3/8" BSW nuts and all threads. PTFE tape is not required for the installation process.

Conex Bänninger Compression fittings are available in duplex brass and/or dezincification resistant (DZR) brass or as dezincification immune red brass. Fittings are also available in chrome plated in accordance with EN 248.

Conex Bänninger Compression Fittings are also compatible with low carbon steel, stainless steel and many types of plastic pipe including crossed linked polyethylene (PE-X) and polybutylene (PB) with size compatible outside diameters.

| Applications & Technical Information | |
|---|---|
| Drinking water | Y |
| Sanitary water | Y |
| Heating and chilled water systems | Y |
| Compressed air | Y |
| LPG and Natural 'Gas | Y |
| Available Sizes Water | 6-15, 16-28, 35-54, 67-108 mm |
| Available Sizes Gas | 8-28mm |
| Available Sizes Compressed air | 8-28mm |
| Warranty | 30 years |
| Operating Parameters Water | 6-15, 25 bar @ 0 to 95°C<br>16-28, 16 bar @ 0 to 95°C<br>35-54, 13 bar @ 0 to 95°C<br>67-108, 10 bar @ 0 to 95°C |
| Operating Parameters Gas | 8-28, 1 bar @ 30°C |
| Operating Parameters Compressed Air | 8-28, 7 bar @ 30°C |
| Material | Brass, DZR |

For more details contact our technical team.



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BRASS | RED BRASS | DZR

## 303 S303 Female Straight Connector

Conex x Female Thread (Parallel) ISO 228



| ITEM | SIZE | PACK | |
|---|---|---|---|
| D021020303-- | 12 x 3/8" | 10 | |
| D031020303-- | 12 x 1/2" | 10 | |
| E021020303-- | 15 x 3/8" | 10 | |
| E031020303-- | 15 x 1/2" | 10 | A |
| E041020303-- | 15 x 3/4" | 10 | |
| E051020303-- | 15 x 1" | 10 | |
| F031020303-- | 18 x 1/2" | 10 | |
| F041020303-- | 18 x 3/4" | 10 | |
| G031020303-- | 22 x 1/2" | 10 | |
| G041020303-- | 22 x 3/4" | 10 | A |
| G051020303-- | 22 x 1" | 10 | |
| H051020303-- | 28 x 1" | 10 | |
| H061020303-- | 28 x 1.1/4" | 1 | |

*A range means fast moving products.



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BRASS | RED BRASS | DZR

## 303 S303 Female Straight Connector (cont)

Conex x Female Thread (Parallel)



| ITEM | SIZE | PACK | |
|---|---|---|---|
| B015020303-- | 8 x 1/4" | 10 | |
| B025020303-- | 8 x 3/8" | 10 | |
| B035020303-- | 8 x 1/2" | 10 | |
| C015020303-- | 10 x 1/4" | 10 | |
| C025020303-- | 10 x 3/8" | 10 | |
| C035020303-- | 10 x 1/2" | 10 | |
| D025020303-- | 12 x 3/8" | 10 | |
| D035020303-- | 12 x 1/2" | 10 | |
| E025020303-- | 15 x 3/8" | 10 | |
| E035020303-- | 15 x 1/2" | 10 | A |
| E045020303-- | 15 x 3/4" | 10 | |
| F035020303-- | 18 x 1/2" | 10 | |
| F045020303-- | 18 x 3/4" | 10 | |
| G045020303-- | 22 x 3/4" | 10 | A |
| G055020303-- | 22 x 1" | 10 | |
| H045020303-- | 28 x 3/4" | 10 | |
| H055020303-- | 28 x 1" | 10 | |
| J055020303-- | 35 x 1" | 1 | |
| J065020303-- | 35 x 1.1/4" | 1 | |
| K075020303-- | 42 x 1.1/2" | 1 | |
| N085020303-- | 54 x 2" | 1 | |



| | | | |
|---|---|---|---|
| Q092020303-- | 67 x 2.1/2" | 1 | |
| R302020303-- | 76 x 3" | 1 | |

*A range means fast moving products.