Conex
Compression

Compression Fittings Range

Applications and Uses

Conex 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 tubes in accordance with EN 1057 and many other standards including ISO 274.

Conex unique ribbed capnuts are supplied in 15-28mm. Sizes 6-12 and 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 Compression fittings are available in duplex brass and/or dezincification resistant (DZR) brass or as dezincification immune red brass. Fittings are also available chrome plated in accordance with EN 248.

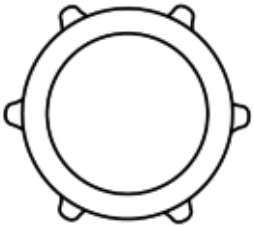
Conex Compression fittings are suitable for connecting a wide range of tubes including copper tubes in accordance with EN 1057 and many other standards including ISO 274. Fittings are also compatible with low carbon steel, stainless steel and many types of plastic pipe including crossed linked polyethylene (PE-X) and polybutylene (PB) with size compatible outside diameters.

Conex Compression

Hydraulic Working temperatures and pressures based on EN 1254-2 are shown below:

Copper Tube			
For Use with	Tube Sizes	Temps Not Exceeding	Max Working Pressures
Water Applications	MM	°C	Bar
	6-15	0-95	25
	16-28		16
	35-54		13
	67-108		10
LPG, Natural Gas	8-28	30	1
Compressed Air	8-28		7

Maximum Working Temperatures and Pressures



Conex compression ribnut profile

Conex Compression

MATERIAL	TUBE SPECIFICATION	SIZE ➤	6mm to 18mm	
HALF HARD AND HARD COPPER	EN1057-R250 (Half Hard)	Nº of turns	1¼	
		Liner	none	
	EN1057-R290 (Hard)	Nº of turns	1	
		Liner	none	
SOFT COPPER	EN1057-R220	SIZE ➤	8mm	
		Nº of turns	1¼	
		Liner: SC1	8 x 1.0	
STAINLESS STEEL	EN10312 Series 1+2 (BS4127)	SIZE ➤	6mm to 22mm	
		Nº of turns	¾	
		Liner	none	
FLEXIBLE	POLYBUTYLENE (PB)	SIZE ➤	10mm	
		Nº of turns	1½	
		▲Liner	10 x 1.5/1.8	
	CROSS LINKED POLYETHYLENE (PE-X)	SIZE ➤	10mm	
		Nº of turns	1½	
		▲Liner	10 x 1.5/1.8	
	MEDIUM DENSITY POLYETHYLENE (MDPE)	SIZE ➤	20mm	
		Nº of turns	1½	
		Liner: PY	20 x 2.3/2.6	

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

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	22mm	28mm to 54mm		
	1	¾		
	none	none		
	¾	½		
	none	none		
	10mm	15mm	18mm	22mm
	1¼	1¼	1¼	1
	10 x 1.0	15 x 1.0	18 x 1.0	22 x 1.0
	28mm	35mm to 54mm	67mm to 76.1mm	
	½	½*	*	
	none	none	none	
	15mm	22mm	28mm	
	1½	1½	1½	
	15 x 1.7/2.0	22 x 2.0/2.3	28 x 2.6/2.9	
	15mm	22mm	28mm	
	1½	1½	1½	
	15 x 1.5/1.8	22 x 2.0/2.3	28 x 2.6/2.9	
	25mm	32mm		
	1½	1½		
	25 x 2.3/2.6	32 x 3.0/3.4		

*Please refer to our Technical Department.

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.
- If necessary, tighten by another 1/2 of a turn.

Demounting

- Turn off the water supply.
- 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.