



## Compression system technical specifications and product range



Innovation You Can Trust



<b>List of Contents</b>	<b>Page</b>
<b>General Information</b>	<b>3</b>
<b>One Fitting for Many Tubes</b>	<b>4</b>
<b>Design</b>	<b>5</b>
<b>Performance</b>	<b>6</b>
<b>Making a Joint</b>	<b>7</b>
<b>High Torque Installations</b>	<b>8</b>
<b>Flanged Fittings</b>	<b>9</b>
<b>Installation Dimensions (capnuts hand tight)</b>	<b>10-12</b>
<b>Product Range</b>	<b>13</b>
<b>Compression Fittings - Brass and DZR 6mm to 108mm</b>	<b>13-17</b>
<b>Accessories for Compression Joints</b>	<b>18-19</b>
<b>Manifolds</b>	<b>20</b>
<b>Matt Chrome Plated Compression Fittings</b>	<b>20-21</b>
<b>ISOCONE X For use with MDPE, PB and PE-X Pipe</b>	<b>22</b>
<b>ISOCONE X Accessories</b>	<b>23</b>
<b>Accessories for use with Imperial Polythene Pipe</b>	<b>23</b>
<b>Copper Tubular Traps</b>	<b>24-25</b>
<b>Bottle Traps</b>	<b>25</b>
<b>Traps - Waste Fittings</b>	<b>26</b>
<b>Accessories</b>	<b>27</b>
<b>Manifolds</b>	<b>27</b>
<b>Stop Valves / Check Valves</b>	<b>28</b>
<b>Draining Taps</b>	<b>28</b>
<b>Fullway Gate Valves to BS5154/B</b>	<b>28</b>
<b>Serviceman Valves to BS6675</b>	<b>28</b>
<b>Plug Taps / Automatic Air Vent / Washing Machine Valve</b>	<b>29</b>
<b>Brass Float Valves</b>	<b>29</b>
<b>Lever Ball Valves</b>	<b>29</b>

## General Information

Conex type 'A' non-manipulative standard compression fittings are manufactured in accordance with EN 1254-2 and 4 (formerly BS 864: Part 2), in sizes from 6mm to 108mm.

### Applications and Uses

The versatility of the fitting enables it to be used for connecting tubes in a wide variety of domestic and commercial applications such as plumbing, heating, fluid distribution, air pressure lines and air conditioning. Conex compression fittings are especially advantageous in retrofit plumbing schemes, where space is confined and/or the use of heat must be avoided. The ability to connect different types of tube is of special importance encouraging users such as original equipment manufacturers to incorporate Conex compression fittings within their designs. The fitting's simplicity, versatility and speed of installation makes it a popular choice with installers.

### Size Availability

6mm–108mm, suitable for connecting copper tubes in accordance with EN 1057 and many other standards including ISO 274.

Fittings are also suitable for connecting 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.

N.B. When using compression fittings with soft copper tube to EN 1057 - R220 or plastic pipe it is essential that an appropriate tube liner is also fitted.

Imperial copper tube to BS 659 in sizes  $\frac{3}{8}$ ",  $\frac{1}{2}$ ", 2" and  $2\frac{1}{2}$ " sizes can be readily joined using 12mm, 15mm, 54mm and 66.7mm fittings respectively. Other sizes can be joined using special adaptors in the range.

Reference to our current price list and catalogue will provide more information about the range.

### Fitting Materials

Fittings are generally produced in duplex brass but, to counteract the problem of dezincification and meet certain water regulation requirements, they are also available, or may only be available, in dezincification resistant (DZR) brass or as dezincification immune gunmetal.

Dezincification of ordinary duplex brass fittings may occur under certain water supply conditions. The Conex DZR range of fittings can safely be used in these circumstances.

The DZR alloy, a joint development of manufacturers and the British Non-Ferrous Metal Technology Centre, used in this wide range of compression fittings contains a highly effective corrosion inhibitor. It's an outstanding material, ideally suited to the high quality standards maintained by IBP, and can be used where dezincification could cause problems.

DZR fittings are marked with the **CR** symbol, recognised and accepted by the Water Industry and the British Plumbing Fittings Manufacturers' Association, and now specified in British Standards as a mark denoting material of assessed capability of resistance.

Within this extensive DZR range, a few fittings are retained in gunmetal for technical and commercial reasons.

Where dezincification resistant brass is used, it complies with the requirements of EN12164 CW602N and EN12165 CW602N. Table A provides a list of materials and the relevant European Norms that govern its performance.

### Health and Safety

It is the responsibility of the end user to ensure that adequate protection is available where required and the necessary information regarding possible health and safety regulations is adhered to. Copper and copper alloy fittings are considered non-hazardous under normal circumstances.

All per COSHH 4 REG 1988.

Table A

Material	Specification	
Brass (Forging)	EN12165	CW617N
Brass (Turning)	EN12164	CW617N
DZR Brass (Forging)	EN12165	CW602N
DZR Brass (Turning)	EN12164	CW602N
DZR Brass (Ring Tube)	EN12164	CW602N
Gunmetal (Red Brass)	DIN50930-6	

### Stress Corrosion

Within certain environments, particularly those containing a corrosive medium, stress corrosion of duplex brass fittings may occur. For further information, please contact our Technical Department.

## One Fitting for Many Tubes

Effecting a joint is simple, requiring nothing more than suitable spanners whether it be a 6mm or a 108mm fitting. The symmetrical compression ring seals within the cone angle of the fitting and provides a two-point seal on the tube when the capnut is tightened the correct number of turns (Table D, page 15). The joint so made will withstand pressures far in excess of those normally experienced.

To facilitate installations we also offer a range of accessories that reduce torque loading when making a joint in sizes 35mm to 76.1mm. Whilst most need only a simple compression ring change, the 42mm and 54mm require a flanged adaptor set.

Conex compression fittings are especially advantageous in retrofit plumbing schemes, in installations where space is confined, or when the use of heat must be avoided.

### Copper

Conex compression fittings are capable of joining size-compatible copper tubes that are manufactured in accordance with EN 1057 (formerly BS 2871: Part 1) and many other standards including ISO 274.

### Stainless Steel

Conex compression fittings are capable of joining size-compatible stainless steel tubes such as those manufactured in accordance with BS 4127 and DIN 17455 and 17457.

When the installer is using tube diameters 35mm to 76.1mm, it is recommended that our low torque fittings are used.

### Medium Density Polyethylene – MDPE

Whether you are joining underground (BS 6572) or above ground (BS 6730), our ISO Conex fittings, valves, liners and adaptors provide a comprehensive range enabling a fast and secure joint to be made on pipe diameters up to 32mm.

### Other Types of Plastic Pipe

IBP offer a variety of fittings for joining tubes such as cross-linked polyethylene (PE-X) and polybutylene (PB), from simple tube liners to precision made adaptor sets and manifolds, covering 12mm to 32mm tube outside diameters with wall thicknesses ranging from 1.3mm to 4.4mm. There are also adaptor sets that permit the use of standard compression fittings. Please contact us for more details about this range of fittings.

### Quality Assurance

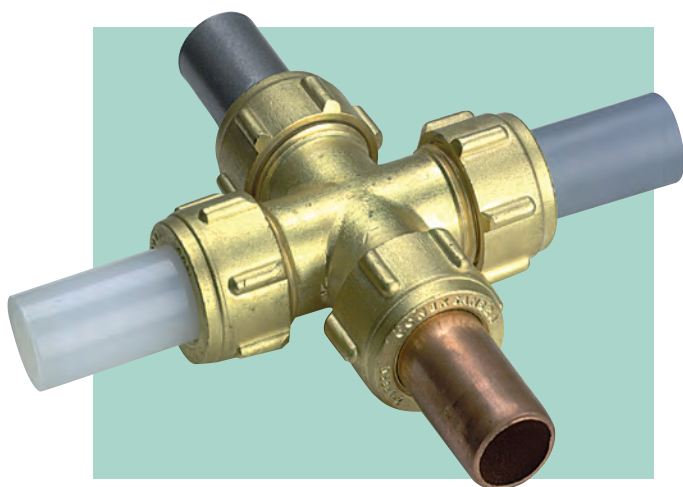
The Company is a B.S.I. Registered Firm of assessed capability, Registration Number FM 11836, manufacturing in accordance with EN ISO 9001:2000.

Conex fittings are manufactured in accordance with EN 1254-2 and 4 (formerly BS 864: Part 2 and 4).

Most fittings in the range are covered by the B.S.I. Kitemark under Licence No. KM 07283 (detailed list available upon request). Listing can also be found in the WRAS Water Fittings and Materials Directory under 'Kitemarked and Quality Assured Fittings'.

Conex fittings are also approved by many other European test institutions such as KIWA, SITAC, GASTEC, DET NORSKE VERITAS and DVGW.

In addition to audits carried out by the British Standards Inspectorate, an internal audit system is also in operation to further enhance quality control.



Certificate No. FM 11836

## Design

Conex fittings are designed to comply with relevant standards and to minimise flow restriction.

The symmetrical compression ring provides a seal within the cone of the fitting and a two point seal on the tube.

The simple principle of the Conex compression joint is shown in the following diagram. The compression ring is compressed between two differing tapers within capnut and fitting respectively. The sharper angle of the body taper constitutes a larger area of ring contact in the fitting body, thus reducing 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 metal x metal seal that actually indents the tube on both points of contact. This ensures a joint that is easily capable of withstanding pressures far in excess of those experienced in normal usage. In tests on 15mm EN1057-R250 (half hard) the tube bursts without affecting the joint.

Fine threads have been avoided to prevent the danger of cross threading. Threads on the 8mm, 12mm and 15mm compression ends are equal to  $\frac{1}{4}$ ",  $\frac{3}{8}$ " and  $\frac{1}{2}$ " BSP in accordance with BS 2779/ISO 228. Other thread sizes are to BS 84 or ISO 7.

Conex unique ribbed pattern capnuts are supplied on 6mm to 28mm fittings. Sizes 35mm, 42mm and 54mm are supplied with octagonal capnuts. Fittings in 66.7mm, 76.1mm and 108mm sizes incorporate loose compression plates, where tightening is through six  $\frac{3}{8}$ " BSW nuts and allthreads.

For high torque applications, devices are available to facilitate installation.

### Finish Availability

Apart from the natural finish, fittings are also offered nickel plated or chrome plated in accordance with EN 248.

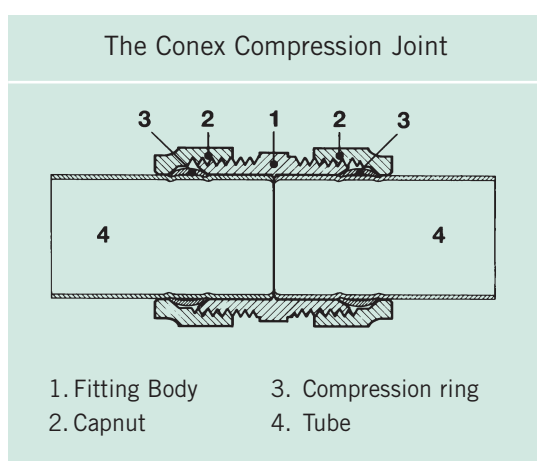
Note: When fittings are to be plated by the customer, it is recommended that our Technical Department is contacted for guidance.

### Connecting Threads

Taper male threads are in accordance with ISO 7 and EN 1254-4. Parallel male threads are in accordance with EN 1254-4 and ISO 228.

Parallel female threads are in accordance with EN 1254-4 (BS 864: Part 2 Clause 4(c)) and ISO 228.

Generally, fittings are manufactured with parallel threads but certain products are offered with taper threads. Reference to our product range will provide more details.



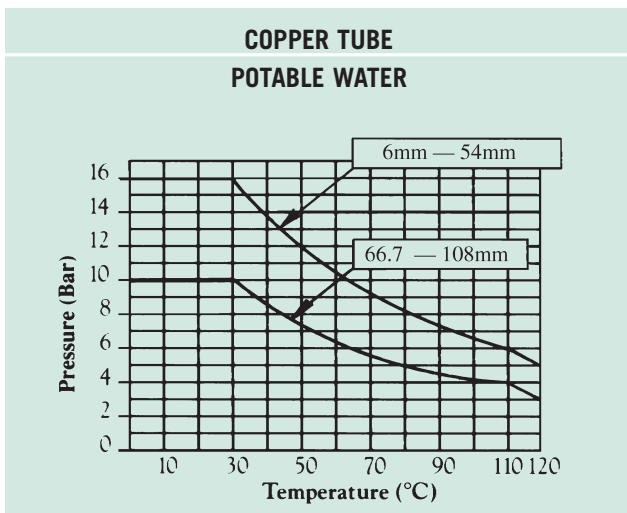


## Performance

Hydraulic working temperatures and pressures shown are based on EN 1254-2. Table B, prepared from the stated values, enables direct reading of intermediate values.

Fittings up to and including 28mm can be used at higher pressures than those shown provided that the installation does not impart additional tensile loads on the joints. Please contact our Technical Department for further data. They may also be used with light mineral oils, L.P.G., natural gas or compressed air, in accordance with Table C, when assembled with copper tubes to EN 1057 (formerly BS 2871: Part 1 table X, Z, Y).

Table B



### Water Flow Resistance Through Fittings

Data is readily available in Publication 33 issued by the Copper Development Association.

### Internal Reducers

Sizes not quoted within our range may be achieved via the use of internal reducers either as a three piece or one piece configuration. They are manufactured from DZR (dezincification resistant material **CR**) or gunmetal, thereby being resistant or immune to dezincification.

N.B. one piece reducers are not designed for use with plastic pipes.

The minimum number of turns required is based on the reduced diameter. Thus for a 22mm x 15mm reducer, refer to Table D for the number of turns required for 15mm.

Reducers rely on a metal x metal seal and care should be taken to avoid damage prior to assembly. Should difficulty be experienced, the use of a WRAS listed sealant is permitted.

Table C

COPPER TUBE			
For Use With	Tube Sizes	Temps Not Exceeding	Max Working Pressures
	Ø mm	°C	Bar
Potable Water or Light Mineral Oils	6 to 54	30	16
		65	10
		95	7
		110	6
	66.7 to 108	30	10
		65	6
		110	4
LPG, Natural Gas	8 to 28	30	1
Compressed Air	8 to 28	30	7

## Making a Joint

6mm–54mm

1. Ensure that the tube and fitting sizes are compatible. Cut the tube end square but ensure tube retains its shape. The tube will then make even contact with the tube stop in the body of the fitting. The use of an appropriate tube cutter is recommended where practicable.
2. Remove any burrs from the tube, both inside and out.



3. Where necessary, insert a suitable tube liner.
4. One of two methods can be employed for making the joint.
  - a) The tube can be firmly inserted into the Conex compression fitting without removing the capnut and compression ring.
 

Care should be taken to ensure that the compression ring is in the correct position and that the tube makes firm contact with the tube stop in the body of the fitting.
  - b) The capnut and compression ring can be removed, located onto the tube in logical sequence, and the tube fully inserted into the Conex compression fitting.



5. In both cases, tightening of the capnut is effected by hand as far as possible, followed by the recommended minimum number of turns (refer to Table D) with a suitable spanner. Tools with serrated jaws should not be used. A few drops of light oil applied to the screw thread before tightening the nut will reduce the load required to reach the number of turns. This is particularly applicable to the larger sizes.



N.B. When joining soft copper tube to EN 1057-R220 or plastic pipes, it is essential that an appropriate tube liner is also fitted.

The Conex compression joint makes a metal x metal seal which normally eliminates the need for jointing compounds and sealants. On larger sizes, particularly 54mm, it may be necessary to use an additional WRAS approved sealant. Jointing instructions, when using sealant, are available from our Technical Department.

## High Torque Installations

IBP has designed devices to reduce tightening torque for 35mm to 76.1mm applications. They are particularly useful where space is restricted and/or stainless steel tube is being joined. When using stainless steel tube, water quality approved PTFE coated compression rings must be used on sizes 35mm and above. Whilst most sizes are a simple compression ring change, we recommend that 42mm and 54mm sizes use a flanged adaptor set comprising one flange, one compression plate, four allthreads, four nuts and one PTFE coated compression ring. Assembly is commenced by discarding the standard capnut and compression ring and securing the threaded flange to the exposed end of the fitting and is completed by following the instructions for flanged fittings 66.7mm–108mm.

Note: The installation procedures within this brochure are generally for water applications. Installation procedures may vary for non-water applications and other tube material specifications. In these cases you are advised to contact our Technical Department for clarification.

### Assembly of Coned Joints and Screwed Fittings

#### Coned Joints

Cone face connectors to EN 1254-4 (BS 864: Part 2) rely on a metal x metal seal and care should be taken to avoid damage prior to assembly. Should difficulty be experienced, the use of a WRAS listed sealant is permitted. Do not overtighten.

#### Threaded Joints for Liquid Applications

The use of a WRAS listed sealant or tape (e.g. PTFE) is recommended for making joints on fittings with taper male threads. For making joints with parallel connector threads, a good quality washer made from a WRAS listed material should be used. Suitable washers are supplied with Conex tap connector fittings and these should be used.

#### Threaded Joints for Gas Applications

An approved gas sealant must be used for making joints on fittings with taper male threads and female parallel threads.

Table D

MATERIAL	TUBE SPECIFICATION	SIZE ►	6mm to 18mm	22mm	28mm to 54mm		
HALF HARD AND HARD COPPER	EN1057-R250 (Half Hard)	Nº of turns	1¼	1	¾		
		Liner	none	none	none		
	EN1057-R290 (Hard)	Nº of turns	1	¾	½		
		Liner	none	none	none		
SOFT COPPER	EN1057-R220	SIZE ►	8mm	10mm	15mm	18mm	22mm
		Nº of turns	1¼	1¼	1¼	1¼	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	BS4127	SIZE ►	6mm to 22mm	28mm	35mm to 54mm	67mm to 76.1mm	
		Nº of turns	¾	½	½*	*	
		Liner	none	none	none	none	
FLEXIBLE	POLYBUTYLENE (PB)	SIZE ►	10mm	15mm	22mm	28mm	
		Nº of turns	1½	1½	1½	1½	
		Liner: PP	10 x 1.5/1.8	15 x 1.7/2.0	22 x 2.0/2.3	28 x 2.6/2.9	
	CROSS LINKED POLYETHYLENE (PE-X)	SIZE ►	10mm	15mm	22mm	28mm	
		Nº of turns	1½	1½	1½	1½	
		Liner: PP	10 x 1.5/1.8	15 x 1.5/1.8	22 x 2.0/2.3	28 x 2.6/2.9	
	MEDIUM DENSITY POLYETHYLENE (MDPE)	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.

\* When using tube diameters 35mm to 76.1mm, it is recommended that our low torque fittings are used. Please refer to our Technical Department.

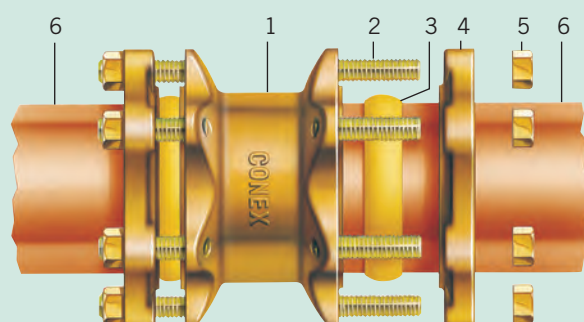


## Flanged Fittings

66.7mm - 108mm

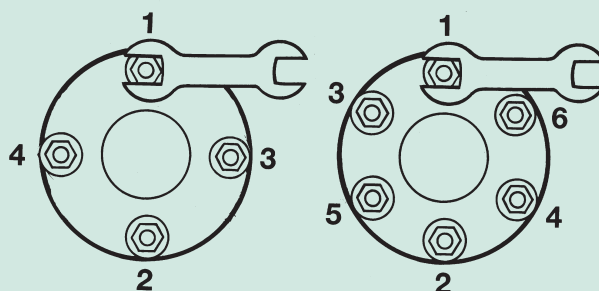
1. Ensure that the tube and fitting sizes are compatible. Cut the tube end square but ensure tube retains its shape. The tube will then make even contact with the tube stop in the body of the fitting.
2. Remove any burrs from the tube, both inside and out.
3. One of two methods can be employed for making the joint.
  - a) The tube can be firmly inserted into the Conex compression fitting without removing the compression plate and compression ring. Care should be taken to ensure that the compression ring is in the correct position and that the tube makes firm contact with the tube stop in the body of the fitting. The  $\frac{3}{8}$ " BSW nuts are then tightened until hand tight and the same amount of allthread shows through each nut.

- b) The compression plate and compression ring can be removed by first unscrewing the  $\frac{3}{8}$ " BSW nuts. Then by locating the compression plate and compression ring onto the tube in logical sequence, the tube is inserted into the fitting, or fitting onto the tube, until positive contact is reached. The compression ring and compression plate are then correctly situated in their original position, the nuts are replaced and tightened until hand tight and the same amount of allthread shows through each nut.
4. In both cases the nuts are then further tightened a minimum of 2 full turns in increments of  $\frac{1}{2}$  a turn only, on each position in the sequence shown in the diagram. To avoid overtightening the maximum number of turns is  $2\frac{1}{2}$ .



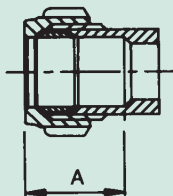
- |                     |                      |
|---------------------|----------------------|
| 1. Fitting          | 4. Compression Plate |
| 2. Allthread        | 5. Nut               |
| 3. Compression Ring | 6. Tube              |

**Note:** The compression plate before and after correct assembly should be parallel to the face of the fitting body.



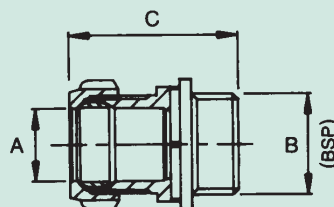
## Installation Dimensions (capnuts hand tight)

### COMPRESSION END TUBE STOP DIMENSION Standard for all Components



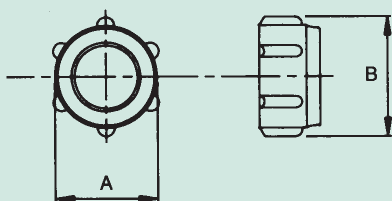
Size	A (mm)
15	21.8
22	25.4
28	26.0
35	30.0

### 302 or S302 STRAIGHT COUPLER Conex x Male Thread (Parallel)



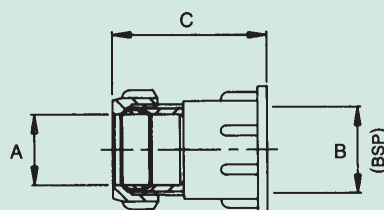
Size	A (mm)	B (BSP)	C (mm)
15 x 1/2	15	1/2	37.5
22 x 3/4	22	3/4	42.5
22 x 1	22	1	41.5
28 x 1	28	1	45.0

### 63 CAPNUT



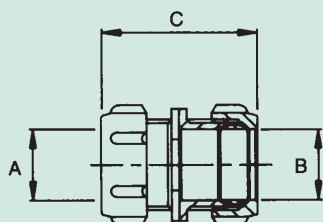
Size	A (mm)		B (mm)
	Maximum	Minimum	
15	24.55	24.33	27.3
22	32.74	32.53	36.5
28	39.16	38.94	45.2
35	46.85	46.35	50.0

### 303 or S303 STRAIGHT COUPLER Conex x Female Thread (Parallel)



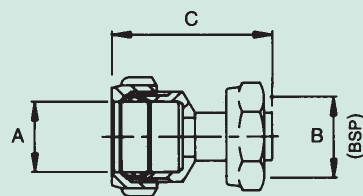
Size	A (mm)	B (BSP)	C (mm)
15 x 1/2	15	1/2	39.5
22 x 3/4	22	3/4	43.5
22 x 1	22	1	49.0
28 x 1	28	1	48.0

### 301 or S301 STRAIGHT COUPLER Conex x Conex



Size	A (mm)	B (mm)	C (mm)
15 x 15	15	15	44.3
22 x 15	22	15	50.5
22 x 22	22	22	52.0
28 x 28	28	28	53.5

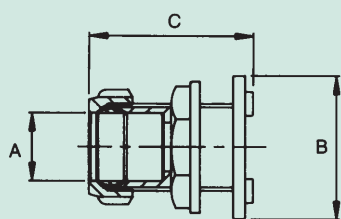
### 303SF or S303SF STRAIGHT COUPLER Conex x Swivel Female Thread



Size	A (mm)	B (BSP)	C (mm)
15 x 1/2	15	1/2	44.0
15 x 3/4	15	3/4	44.5
22 x 3/4	22	3/4	48.0
28 x 1	28	1	49.0

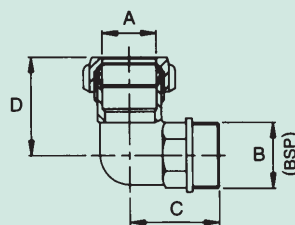
N.B. Conex capnuts greater than 28mm will have octagonal external form.  
For other dimensional data, please contact our Technical Department.

### 321 or S321 TANK CONNECTOR Conex



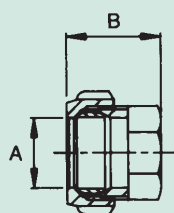
Size	A (mm)	B (mm)	C (mm)
15	15	35.0	49.0
22	22	43.0	46.0
28	28	49.0	48.0
35	35	56.5	45.5

### 402 or S402 ELBOW Conex x Male Thread (Parallel)



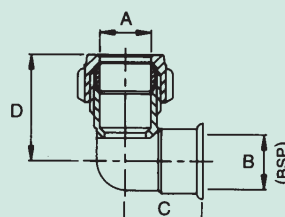
Size	A (mm)	B (BSP)	C (mm)	D (mm)
15 x 1/2	15	1/2	25.7	34.0
22 x 3/4	22	3/4	32.0	37.5
22 x 1	22	1	34.5	42.7
28 x 1	28	1	38.5	43.2

### 323 or S323 STOP END Conex



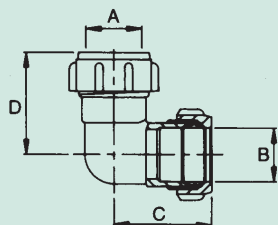
Size	A (mm)	B (mm)
15	15	26.0
22	22	27.0
28	28	31.0
35	35	34.7

### 403 or S403 ELBOW Conex x Female Thread (Parallel)



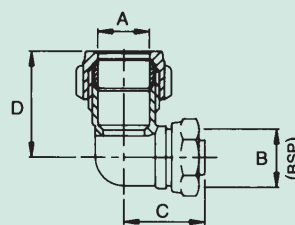
Size	A (mm)	B (BSP)	C (mm)	D (mm)
15 x 1/2	15	1/2	15.3	34.3
22 x 3/4	22	3/4	28.5	39.4
22 x 1	22	1	30.5	42.6
28 x 1	28	1	35.1	43.9

### 401 or S401 ELBOW Conex x Conex



Size	A (mm)	B (mm)	C (mm)	D (mm)
15 x 15	15	15	31.5	31.5
22 x 22	22	22	36.9	36.9
28 x 28	28	28	41.9	41.9
35 x 35	35	35	48.2	48.2

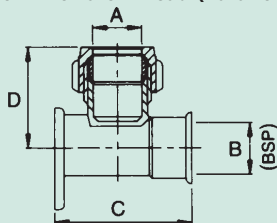
### 403SF or S403SF ELBOW Conex x Swivel Female Thread



Size	A (mm)	B (BSP)	C (mm)	D (mm)
15 x 1/2	15	1/2	27.4	31.4
15 x 3/4	15	3/4	33.5	29.5
22 x 3/4	22	3/4	32.0	36.5
28 x 1	28	1	44.0	41.0

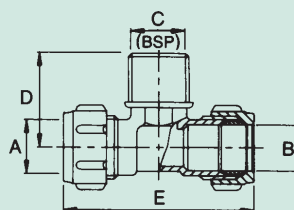
N.B. Conex capnuts greater than 28mm will have octagonal external form.  
For other dimensional data, please contact our Technical Department.

### 403WL or S403WL WALL PLATE ELBOW Conex x Female Thread (Parallel)



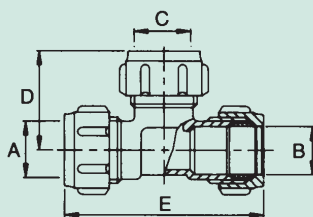
Size	A (mm)	B (BSP)	C (mm)	D (mm)
15 x 1/2	15	1/2	41.8	33.8
22 x 1/2	22	1/2	47.0	36.9
22 x 3/4	22	3/4	54.0	38.0
28 x 1	28	1	65.0	44.0

### 615 or S615 TEE Conex x Conex x Male Thread (Parallel)



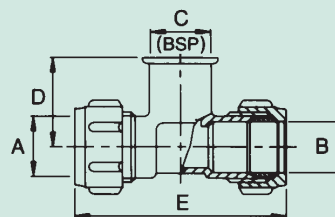
Size	A (mm)	B (mm)	C (BSP)	D (mm)	E (mm)
15 x 15 x 1/2	15	15	1/2	25.7	68.0
15 x 15 x 3/4	15	15	3/4	34.0	75.5
22 x 22 x 3/4	22	22	3/4	32.6	77.0
28 x 28 x 1	28	28	1	39.7	89.6

### 601EQ or S601EQ TEE-EQUAL Conex All Ends



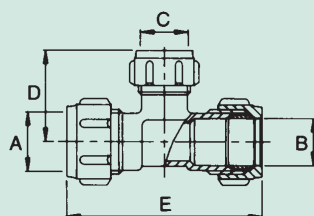
Size	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
15 x 15 x 15	15	15	15	31.5	63.0
22 x 22 x 22	22	22	22	36.9	73.8
28 x 28 x 28	28	28	28	41.9	83.8
35 x 35 x 35	35	35	35	48.2	96.4

### 617 or S617 TEE Conex x Conex x Female Thread (Parallel)



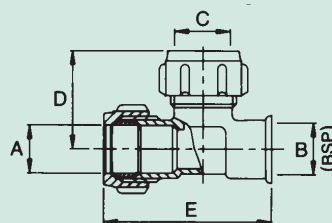
Size	A (mm)	B (mm)	C (BSP)	D (mm)	E (mm)
15 x 15 x 1/2	15	15	1/2	25.4	66.2
15 x 15 x 3/4	15	15	3/4	26.2	74.1
22 x 22 x 3/4	22	22	3/4	28.5	78.2
28 x 28 x 1	28	28	1	35.0	85.8

### 601 or S601 TEE-UNEQUAL Conex All Ends



Size	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
22 x 15 x 15	22	15	15	34.3	65.9
22 x 15 x 22	22	15	22	36.9	70.2
22 x 22 x 15	22	22	15	34.3	69.7
28 x 28 x 15	28	28	15	37.9	68.2

### 684 or S684 TEE Conex x Female Thread (Parallel) x Conex

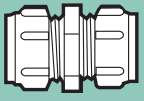
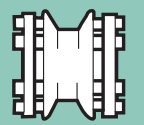
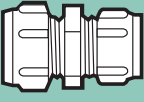
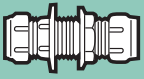


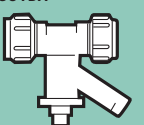



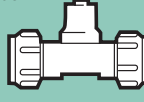
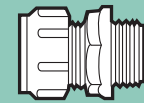
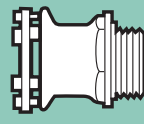
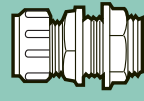
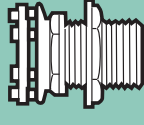

Size	A (mm)	B (BSP)	C (mm)	D (mm)	E (mm)
15 x 1/2 x 15	15	1/2	15	33.0	55.0
22 x 1/2 x 22	22	1/2	22	37.0	63.0
22 x 3/4 x 22	22	3/4	22	39.5	65.7
28 x 1 x 28	28	1	28	45.0	79.0

N.B. Conex capnuts greater than 28mm will have octagonal external form.  
For other dimensional data, please contact our Technical Department.

## Product Range

### COMPRESSION FITTINGS - Brass and DZR 6mm to 108mm

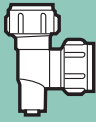
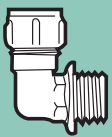
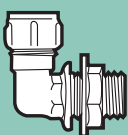
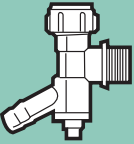
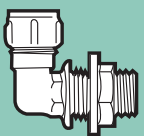
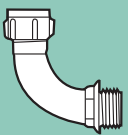
Part No.	Description	Size Brass	Size DZR
301 S301	 Straight Coupler Conex x Conex	-	6
		-	8
		-	10
		12	12
		15	15
		18	18
		22	22
		28	28
		35	35
		-	42
		-	54
	 Straight Coupler Conex x Conex	-	67
		-	76
		-	108
301 S301	 Reduced Straight Coupler Conex x Conex	-	8 x 6
		-	10 x 8
		-	12 x 8
		-	12 x 10
		-	15 x 8
		-	15 x 10
		15 x 12	15 x 12
		-	16 x 15
		18 x 12	-
		-	18 x 15
		22 x 15	22 x 15
		22 x 18	-
		-	28 x 15
		28 x 22	28 x 22
		-	35 x 22
		-	35 x 28
301BH	 Straight Coupler Bulkhead Conex x Conex	15	-
		22	-
301BP	 Straight Coupler Burst Pipe Repair Conex x Conex	12 x 100	-
		15 x 100	-
		18 x 100	-
		22 x 100	-
S301C0	 Crossover Conex x Conex	-	15
		-	18
		-	22
301DA	 Straight Coupler with Drain Tap Conex x Conex	15	-
		22	-
S301M	 Imperial to Metric Straight Coupler Conex x Conex	-	3 x 76
		-	-

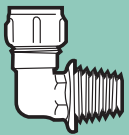
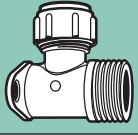
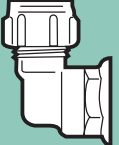
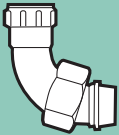
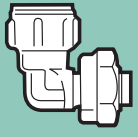
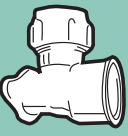
Part No.	Description	Size Brass	Size DZR
301V	 Straight Coupler with Air Vent Conex x Conex	15	-
		-	-
302 S302	 Male Straight Connector Conex x Male Thread (Parallel ISO 228)	-	6 x 1/8
		-	8 x 1/4
		-	8 x 3/8
		-	8 x 1/2
		-	10 x 1/4
		-	10 x 3/8
		-	10 x 1/2
		12 x 1/4	-
		12 x 3/8	12 x 3/8
		12 x 1/2	12 x 1/2
		15 x 1/4	-
		15 x 3/8	15 x 3/8
		15 x 1/2	15 x 1/2
		15 x 3/4	15 x 3/4
		18 x 1/2	18 x 1/2
		18 x 3/4	18 x 3/4
		22 x 1/2	22 x 1/2
		22 x 3/4	22 x 3/4
		22 x 1	22 x 1
		-	28 x 3/4
		28 x 1	28 x 1
		28 x 1 1/4	-
		-	35 x 1
		35 x 1 1/4	35 x 1 1/4
		42 x 1 1/2	42 x 1 1/2
		54 x 2	54 x 2
		-	67 x 2 1/2
		-	76 x 3
		-	108 x 4
302B S302B	 Extended Male Straight Connector with Back Nut Conex x Male Thread x Tail Length (mm)	15 x 1/2 x 22	-
		22 x 3/4 x 22	-
		28 x 1 x 22	-
		35 x 1 1/4 x 22	-
		42 x 1 1/2 x 22	-
		54 x 2 x 25	-
		-	67 x 2 1/2 x 80
		-	76 x 3 x 80
302CB	 Extended Male Straight Connector with Back Nut (Long) Conex x Male Thread x Tail Length (mm)	15 x 1/2 x 38	-
		22 x 3/4 x 38	-
		28 x 1 x 44	-
		-	-



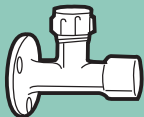
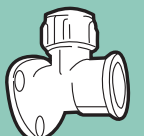
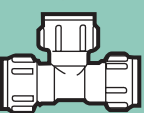
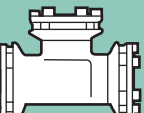
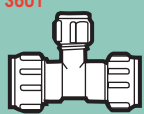
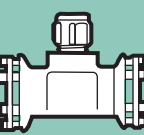


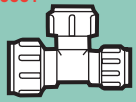
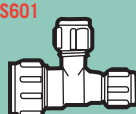
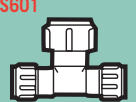



## COMPRESSION FITTINGS - Brass and DZR 6mm to 108mm

Part No.	Description	Size Brass	Size DZR
401V 	Elbow with Air Vent Conex x Conex	15 22	- -
402 S402 	Male Elbow Conex x Male Thread (Parallel ISO 228)	- - - - - - 15 x 1/2 15 x 3/4 18 x 1/2 - - 22 x 3/4 22 x 1 28 x 3/4 28 x 1 - - 54 x 2  -	8 x 1/4 8 x 3/8 10 x 3/8 10 x 1/2 12 x 3/8 12 x 1/2 15 x 3/8 15 x 1/2 15 x 3/4 18 x 1/2 18 x 3/4 22 x 1/2 22 x 3/4 22 x 1 - 28 x 1 35 x 1 1/4 42 x 1 1/2 54 x 2  67 x 2 1/2
402B 	Extended Male Elbow with Back Nut Conex x Male Thread (Parallel ISO 228) x Tail Length (mm)	15 x 1/2 x 22 22 x 3/4 x 22	- -
402DA 	Male Elbow with Drain Tap Conex x Male Thread (Parallel ISO 228)	15 x 1/2 22 x 3/4	- -
402CB 	Extended Male Elbow with Back Nut Conex x Male Thread (Parallel ISO 228) x Tail Length (mm)	15 x 1/2 x 38 22 x 3/4 x 38	- -
S402S 	Slow Male Bend Conex x Male Thread (Parallel ISO 228)	-	22 x 3/4

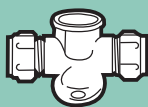
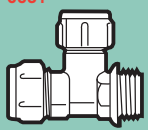
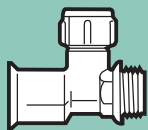
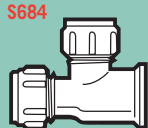
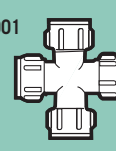
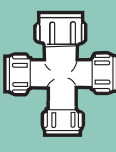

Part No.	Description	Size Brass	Size DZR
402TA S402TA 	Male Elbow Conex x Male Taper Thread to ISO 7	- 12 x 3/8 12 x 1/2 15 x 3/8 15 x 1/2 15 x 3/4 18 x 1/2 18 x 3/4 22 x 3/4 22 x 1 28 x 1 35 x 1 1/4 42 x 1 1/2	10 x 1/2 - - - - - - - - - - - -
S402W 	Male Wall Plate Elbow Conex x Male Thread (Parallel ISO 228)	-	15 x 3/4
403 S403 	Female Elbow Conex x Female Thread (Parallel ISO 228)	- - - - 12 x 1/2 - 15 x 1/2 15 x 3/4 18 x 1/2 18 x 3/4 22 x 1/2 22 x 3/4 22 x 1 28 x 3/4 28 x 1 - 42 x 1 1/2 -	8 x 1/4 10 x 3/8 10 x 1/2 12 x 3/8 12 x 1/2 15 x 3/8 15 x 1/2 15 x 3/4 - 18 x 3/4 22 x 1/2 22 x 3/4 - - 28 x 1 35 x 1 1/4 42 x 1 1/2 54 x 2
S403SC 	Cylinder Elbow Conex x Swivel Female Thread	-	22 x 1
403SF S403SF 	Bent Tap Connector Conex x Swivel Female Thread	15 x 1/2 15 x 3/4 22 x 1/2 22 x 3/4	15 x 1/2 - - -
403W S403W 	Female Wall Plate Elbow (2 Hole) Conex x Female Thread (Parallel ISO 228)	12 x 1/2 15 x 1/2	12 x 1/2 15 x 1/2




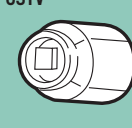

## COMPRESSION FITTINGS - Brass and DZR 6mm to 108mm

Part No.	Description	Size Brass	Size DZR
<b>403WE</b> 	<b>Extended Female Wall Plate Elbow (3 Hole)</b> Conex x Female Thread (Parallel ISO 228)	15 x 1/2 15 x 1/2 Polished/ Chrome plated	- - -
<b>403WL</b> <b>S403WL</b> 	<b>Female Wall Plate Elbow (3 Hole)</b> Conex x Female Thread (Parallel ISO 228)	- - 15 x 1/2 18 x 1/2 22 x 1/2 -	10 x 1/2 12 x 1/2 15 x 1/2 - - 22 x 3/4
<b>601EQ</b> <b>S601EQ</b>  	<b>Tee - Equal</b> Conex all Ends	- - - 12 15 18 22 28 - - -	6 8 10 12 15 18 22 28 35 42 54 67 76
<b>601</b> <b>S601</b>  	<b>Tee - Reduced Branch</b> Conex all Ends	- - - - - - 22 x 22 x 15 - 28 x 28 x 15 28 x 28 x 22 - - - - - - - 54 x 54 x 15 54 x 54 x 22 54 x 54 x 28 - - - - - -	12 x 12 x 10 15 x 15 x 10 15 x 15 x 12 18 x 18 x 12 18 x 18 x 15 22 x 22 x 12 22 x 22 x 15 22 x 22 x 18 28 x 28 x 15 28 x 28 x 22 35 x 35 x 15 35 x 35 x 22 35 x 35 x 28 42 x 42 x 15 42 x 42 x 22 42 x 42 x 28 42 x 42 x 35 - - 54 x 54 x 28 54 x 54 x 35 54 x 54 x 42 - 67 x 67 x 28 67 x 67 x 35 67 x 67 x 42 67 x 67 x 54 76 x 76 x 28 76 x 76 x 54

Part No.	Description	Size Brass	Size DZR
<b>601</b> <b>S601</b> 	<b>Tee - Reduced End</b> Conex all Ends	- - 22 x 15 x 22 22 x 18 x 22 28 x 15 x 28 -	15 x 12 x 15 18 x 15 x 18 22 x 15 x 22 - - 28 x 22 x 28
<b>601</b> <b>S601</b> 	<b>Tee - Reduced End and Branch</b> Conex all Ends	- 18 x 12 x 12 - 22 x 15 x 15 28 x 15 x 15 - -	15 x 12 x 12 - 18 x 15 x 15 22 x 15 x 15 - 28 x 22 x 15 28 x 22 x 22
<b>601</b> <b>S601</b> 	<b>Tee - Reduced Both Ends</b> Conex all Ends	- - 15 x 15 x 22 -	12 x 12 x 15 15 x 15 x 18 15 x 15 x 22 22 x 22 x 28
<b>S601C</b> 	<b>Corner Tee</b> Conex all Ends	- -	15 22
<b>S615</b> 	<b>Tee with Male Branch</b> Conex x Conex x Male Thread (Parallel ISO 228)	- - -	15 x 15 x 1/2 22 x 22 x 1/2 22 x 22 x 3/4
<b>617</b> <b>S617</b> 	<b>Tee with Female Branch</b> Conex x Conex x Female Thread (Parallel ISO 228)	- - 15 x 15 x 1/4 15 x 15 x 1/2 15 x 15 x 3/4 18 x 18 x 1/2 18 x 18 x 3/4 22 x 22 x 1/2 - 22 x 22 x 1 - 28 x 28 x 3/4 -	12 x 12 x 3/8 12 x 12 x 1/2 - 15 x 15 x 1/2 - - - 22 x 22 x 1/2 22 x 22 x 3/4 - - 28 x 28 x 1/2 - 28 x 28 x 1

## COMPRESSION FITTINGS - Brass and DZR 6mm to 108mm


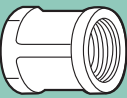






Part No.	Description	Size Brass	Size DZR
<b>S617W</b> 	<b>Wall Plate Tee with Female Thread Branch</b> Conex x Conex x Female Thread (Parallel ISO 228)	- -	15 x 15 x 1/2 22 x 22 x 1/2
<b>631</b> <b>S631</b> 	<b>Tee with Male End</b> Conex x Male Thread (Parallel ISO 228) x Conex	- - 22 x 1 x 22	15 x 1/2 x 15 22 x 3/4 x 22 -
<b>645</b> 	<b>Tee with Threaded Ends</b> Female Threaded (Parallel ISO 228) x Male Thread (Parallel ISO 228) x Conex	1/2 x 1/2 x 15	-
<b>684</b> <b>S684</b> 	<b>Tee with Female End</b> Conex x Female Thread (Parallel ISO 228) x Conex	- - 22 x 1/2 x 22 22 x 3/4 x 22 28 x 1 x 28	15 x 1/2 x 15 18 x 1/2 x 18 - - -
<b>901</b>  	<b>Cross - Equal</b> Conex all Ends  <b>Cross - Reduced</b> Conex all Ends	15 22  22 x 15 x 15 x 15	- - -
<b>S61</b> 	<b>Blanking Piece</b>	- - -	12 15 22






Part No.	Description	Size Brass	Size DZR
<b>63</b> 	<b>Capnut</b>	6 8 10 12 15 18 22 28 35 42 54 3/4 1 1/4	- - - - - - - - - - - - -
		67 76 108	- - -
<b>63B</b> 	<b>Blank Cap</b> (Supplied with a rubber washer)	6 8 10 12 15 18 22 28 35 42 54	- - - - - - - - - - -
<b>63TV</b> 	<b>Terminal Air Vent</b> Capillary Ended	15	-
<b>63V</b> 	<b>Air Vent for Compression End</b>	15	-



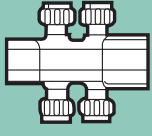
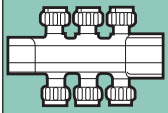
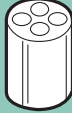


## ACCESSORIES FOR COMPRESSION JOINTS

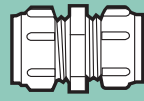
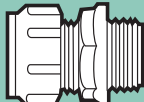
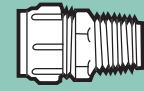
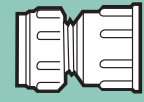

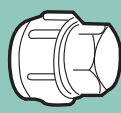

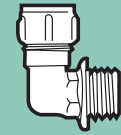
Part No.	Description	Size Brass	Size DZR
72	 <b>Adaptor</b> Male Thread (Parallel ISO 228) x Female Thread (Parallel ISO 228)	1/2 3/4	- -
8270	 <b>Straight Coupler</b> Female Thread (Parallel) x Female Thread (Parallel ISO 228) Replaces Part No. 73	1/4 3/8 1/2 3/4 1 1 1/4 1 1/2 2	- - - - - - - -
C73	 <b>Adaptor</b> Female Thread (Parallel) x Conex Female Thread (Parallel ISO 228)	1/2 x 15 3/4 x 22	- -
74	 <b>Adaptor for Tap Extension</b> Male Thread (Parallel) x Female Thread (Parallel ISO 228)	1/2 3/4	- -
8310F	 <b>Backnut</b> Female Thread (Parallel ISO 228) Replaces Part No. 77	1/2 3/4 1 1 1/4 1 1/2 2	- - - - - -
S77	 <b>Backnut</b> Female Thread (Parallel ISO 228)	- -	2 1/2 3
C77	 <b>Backnut</b> Conex Female Thread	15 22 28 35 42 54	- - - - - -
8595	 <b>Flanged Plug</b> Male Thread (Parallel Thread ISO 228) Replaces Part No. 78	1/8 1/4 3/8 1/2 3/4 1 1 1/4 1 1/2 2	- - - - - - - - -

Part No.	Description	Size Brass	Size DZR
85	 <b>Capnut Spanner Zinc Plated</b> Conex	22 x 15	-
85R	 <b>'C' Capnut Spanner Zinc Plated</b> Conex	22 x 15	-
96	 <b>Brass Washer</b> (for Male Threaded Ends)	Thread Size 1/2 3/4 1	- - -
97	 <b>Sealing Washer</b> (for Swivel Fittings 303SF & 403SF)	1/2 3/4	- -
98	 <b>Rubber Washer</b> (for Blank Capnuts)	15 18 22 28 35 42 54	- - - - - - -

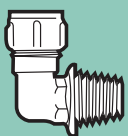
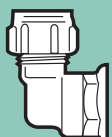
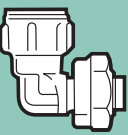
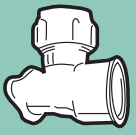
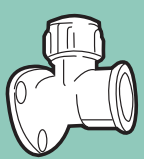
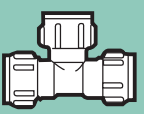
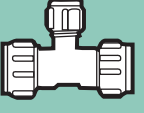
## MANIFOLDS

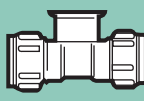
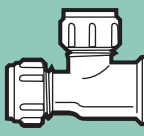


Part No.	Description	Size Brass	Size DZR
45584 	Manifold for 22mm Tube with Capillary Main Connecting Compression Outlets 4 Port Male Copper x Copper x Compression Outlet	8	-
		10	-
45586 	Manifold for 22mm Tube with Capillary Main Connecting Compression Outlets 6 Port Male Copper x Copper x Compression Outlet	10	-
45604 	Manifold for 22mm Capillary Tube Connection with Capillary Outlets 4 Port Copper x Copper Outlet	8	-
		10	-

## MATT CHROME PLATED COMPRESSION FITTINGS


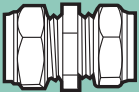
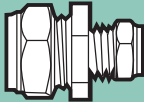

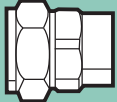
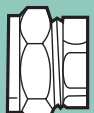
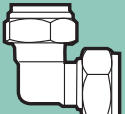
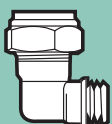
Part No.	Description	Size Brass	Size DZR
301CP S301CP 	Straight Coupler Conex x Conex Matt Chrome Plated	-	10
		-	12 x 10
		-	12
		15	15
		22	22
		-	28
302CP 	Male Straight Connector Conex x Male Thread (Parallel ISO 228) Matt Chrome Plated	15 x 1/2	15 x 1/2
		22 x 3/4	22 x 3/4
		-	28 x 1
		-	35 x 1 1/4
302TACP 	Male Straight Connector Conex x Male Taper Thread to ISO 7 Matt Chrome Plated	15 x 1/2	-
		22 x 3/4	-
		28 x 1	-
303CP S303CP 	Female Straight Connector Conex x Female Thread (Parallel ISO 228) Matt Chrome Plated	15 x 1/2	15 x 1/2
		22 x 3/4	22 x 3/4
		-	22 x 1
		-	28 x 1
		-	35 x 1 1/4
S303SFCP 	Straight Tap Connector Conex x Swivel Female Thread Matt Chrome Plated	-	15 x 1/2
		-	22 x 3/4
S323CP 	Stop End Conex Matt Chrome Plated	-	15
		-	22
		-	28
401CP S401CP 	Elbow Conex x Conex Matt Chrome Plated	-	10
		-	12
		15	15
		22	22
		28	28
		-	35
402CP S402CP 	Male Elbow Conex x Male Thread (Parallel ISO 228) Matt Chrome Plated	15 x 1/2	-
		-	22 x 3/4
		-	28 x 1
		-	35 x 1 1/4

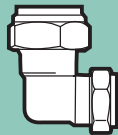
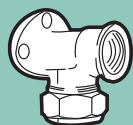
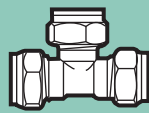
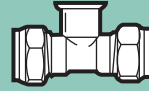


## MATT CHROME PLATED COMPRESSION FITTINGS

Part No.	Description	Size Brass	Size DZR
<b>402TACP</b> 	<b>Male Elbow</b> Conex x Male Taper Thread to ISO 7 Matt Chrome Plated	15 x 1/2 22 x 3/4	- -
<b>403CP</b> <b>S403CP</b> 	<b>Female Elbow</b> Conex x Female Thread (Parallel ISO 228) Matt Chrome Plated	15 x 1/2 - -	15 x 1/2 22 x 3/4 28 x 1 35 x 1 1/4
<b>403SFCP</b> <b>S403SFCP</b> 	<b>Bent Tap Connector</b> Conex x Swivel Female Thread Matt Chrome Plated	- 22 x 3/4	15 x 1/2 -
<b>403WCP</b> <b>S403WCP</b> 	<b>Female Wall Plate Elbow (2 Hole)</b> Conex x Female Thread (Parallel ISO 228) Matt Chrome Plated	15 x 1/2	15 x 1/2
<b>403WLCP</b> <b>S403WLCP</b> 	<b>Female Wall Plate Elbow (3 Hole)</b> Conex x Female Thread (Parallel ISO 228) Matt Chrome Plated	-	22 x 3/4
<b>601EQCP</b> <b>S601EQCP</b> 	<b>Tee - Equal</b> Conex all Ends Matt Chrome Plated	- 15 22 - -	12 15 22 28 35
<b>601CP</b> <b>S601CP</b> 	<b>Tee - Reduced</b> Conex all Ends Matt Chrome Plated	- 22 x 15 x 15 - 22 x 22 x 15 28 x 15 x 28 - - - - -	15 x 15 x 22 22 x 15 x 15 22 x 15 x 22 22 x 22 x 15 - 28 x 22 x 28 28 x 28 x 15 28 x 28 x 22 35 x 35 x 15




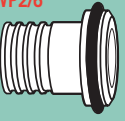



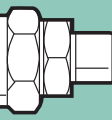
Part No.	Description	Size Brass	Size DZR
<b>617CP</b> <b>S617CP</b> 	<b>Tee with Female Branch</b> Conex x Conex x Female Thread (Parallel ISO 228) Matt Chrome Plated	15 x 15 x 1/2 -	15 x 15 x 1/2 22 x 22 x 3/4
<b>684CP</b> <b>S684CP</b> 	<b>Tee with Female End</b> Conex x Female Thread (Parallel ISO 228) x Conex Matt Chrome Plated	-	15 x 1/2 x 15
<b>63CP</b> 	<b>Capnut</b> Matt Chrome Plated	10 15 22 28 35	- - - - -
<b>S68CP</b> 	<b>Internal Reducer</b> Three Piece Matt Chrome Plated	- - - - -	22 x 15 28 x 15 28 x 22 35 x 15 35 x 22 35 x 28

## ISOCONEX For use with MDPE, PB and PE-X Pipe

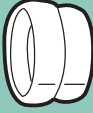

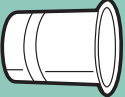
Part No.	Description	Size Brass	Size DZR
<b>S301</b> 	<b>Straight Coupler</b> Poly x Poly	- - -	20 25 32
<b>S301</b> 	<b>Straight Coupler</b> New Poly x Old Poly	- -	20 x 1/2 25 x 3/4
<b>S301</b> 	<b>Straight Coupler</b> Poly x Conex	- -	20 x 15 25 x 22
<b>S302</b> 	<b>Male Straight Connector</b> Poly x Male Thread (Parallel ISO 228)	- - -	20 x 1/2 25 x 1/2 25 x 3/4
<b>S303</b> 	<b>Female Straight Connector</b> Poly x Female Thread (Parallel ISO 228)	- - -	20 x 1/2 25 x 3/4 32 x 1
<b>S323</b> 	<b>Stop End</b> Poly	- -	20 25
<b>S401</b> 	<b>Elbow</b> Poly x Poly	- - -	20 25 32
<b>S402</b> 	<b>Male Elbow</b> Poly x Male Thread (Parallel ISO 228)	-	20 x 1/2

Part No.	Description	Size Brass	Size DZR
<b>S403</b> 	<b>Female Elbow</b> Poly x Female Thread (Parallel ISO 228)	- -	20 x 1/2 25 x 3/4
<b>S403W</b> 	<b>Female Wall Plate Elbow (3 Hole)</b> Poly x Female Thread (Parallel ISO 228)	-	20 x 1/2
<b>S601EQ</b> 	<b>Tee - Equal</b> Poly all Ends	- - -	20 25 32
<b>S617</b> 	<b>Tee with Female Branch</b> Poly x Poly x Female Thread (Parallel ISO 228)	- -	20 x 20 x 1/2 25 x 25 x 3/4
<b>S1201</b> 	<b>Lever Ball Valve with Standard Red Lever</b> Poly x Poly	- -	20 x 20 25 x 25
<b>S1201</b> 	<b>Lever Ball Valve with Standard Red Lever</b> Poly (Inlet) x Conex	- -	25 x 15 25 x 22

## ISOCONEX ACCESSORIES



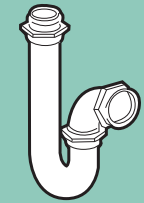

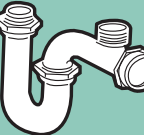
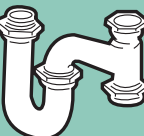
Part No.	Description	Size Brass	Size DZR
<b>PY</b> 	MDPE Liner	- - -	20 25 32
<b>SC1</b> 	Soft Copper Liner	- - - -	8 10 15 18 22
<b>PP</b> 	PB & PE-X Liner	- - - -	10 15 22 28
<b>WP2/6</b> 	PE-X Insert	- - -	20 25 32
<b>WP2/10</b> 	PE-X Insert	- - - -	15 20 25 32
<b>65</b> 	Polyring	-	20 25 32
<b>S68</b> 	Internal Reducer Three Piece	- - -	25 x 20 32 x 20 32 x 25
<b>SP68</b> 	Adaptor Poly x Male Copper	- - - -	20 x 15 25 x 15 25 x 22 32 x 28

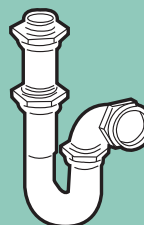
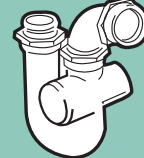
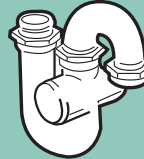
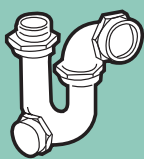
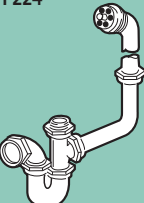
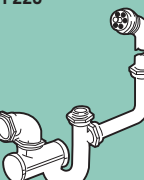
## ACCESSORIES For use with Imperial Polythene Pipe to BS1972 and BS3284

Part No.	Description	Size Brass	Size DZR
<b>50</b> 	Adaptor Sleeve Copper Poly	- -	1/2 3/4
<b>51</b> 	Ring Copper Poly	- -	1/2 3/4
<b>BL</b> 	Class 'C' Insert BS1972/67	- -	1/2 3/4

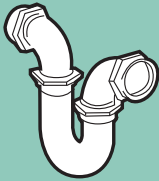
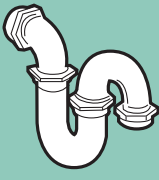


## COPPER TUBULAR TRAPS






Part No.	Description	Size Natural Finish	Size Polished Chrome Plated
<b>P211</b> <b>P211PCP</b>	<b>Deep Seal P</b> Swivel Female Thread x Conex	1 x 28 1 1/4 x 35 1 1/2 x 42 2 x 54	1 x 28 1 1/4 x 35 1 1/2 x 42 2 x 54
			
<b>S211</b> <b>S211PCP</b>	<b>Deep Seal S</b> Swivel Female Thread x Conex	1 x 28 1 1/4 x 35 1 1/2 x 42 2 x 54	1 x 28 1 1/4 x 35 1 1/2 x 42 2 x 54
			
<b>P212</b> <b>P212PCP</b>	<b>Inlet P - 255mm (10" Long)</b> Swivel Female Thread x Conex	1 x 28 1 1/4 x 35 1 1/2 x 42 2 x 54	1 x 28 1 1/4 x 35 1 1/2 x 42 2 x 54
			
<b>P217</b> <b>P217PCP</b>	<b>Bath P Low Height - 56mm (2 1/4") Seal</b> Swivel Female Thread x Conex	1 1/4 x 35 1 1/2 x 42	1 1/4 x 35 1 1/2 x 42
			
<b>P218</b> <b>P218PCP</b>	<b>Vented P</b> Swivel Female Thread x Conex x Male Thread (Parallel ISO 228)	1 1/4 x 35 1 1/4 x 35 1 1/2 x 42	1 1/4 x 35 1 1/4 x 35 1 1/2 x 42
			
<b>S218</b> <b>S218PCP</b>	<b>Vented S</b> Swivel Female Thread x Conex x Conex	1 1/4 x 35 1 1/4 x 35 1 1/2 x 42 2 x 54	1 1/4 x 35 1 1/4 x 35 1 1/2 x 42 2 x 54
			

Part No.	Description	Size Natural Finish	Size Polished Chrome Plated
<b>P219</b> <b>P219PCP</b>	<b>Deep Seal P with Adjustable Inlet</b> Swivel Female Thread x Conex	1 1/4 x 35 1 1/2 x 42	1 1/4 x 35 1 1/2 x 42
			
<b>P220</b> <b>P220PCP</b>	<b>Resealing P Antivac Type</b> Swivel Female Thread x Conex	1 1/4 x 35 1 1/2 x 42 2 x 54	1 1/4 x 35 1 1/2 x 42 2 x 54
			
<b>S220</b> <b>S220PCP</b>	<b>Resealing S Antivac Type</b> Swivel Female Thread x Conex	1 1/4 x 35 1 1/2 x 42 2 x 54	1 1/4 x 35 1 1/2 x 42 2 x 54
			
<b>P222</b>	<b>Bath P - M/1 1" Overflow Connection</b> Swivel Female Thread x Conex	1 1/2 x 42	
			
<b>P224</b>	<b>Bath P Set - 25mm (1") Overflow</b> Swivel Female Thread x Conex x Overflow	1 1/4 x 35	
			
<b>P225</b>	<b>Resealing Bath P Set - 25mm (1") Overflow</b> Swivel Female Thread x Conex x Overflow	1 1/4 x 35	
			

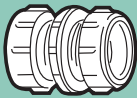
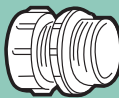
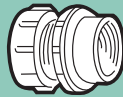
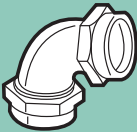
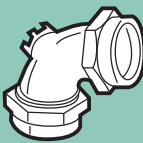
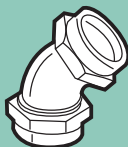
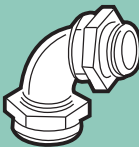
## COPPER TUBULAR TRAPS





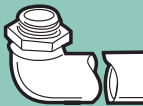
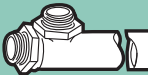
Part No.	Description	Size Natural Finish	Size Polished Chrome Plated
<b>P314</b> <b>P314PCP</b> 	<b>Running P</b> Conex x Conex	28	28
		35	35
		42	42
		54	54
<b>S314</b> <b>S314PCP</b> 	<b>Running S</b> Conex x Conex	28	28
		35	35
		42	42
		54	54
	<b>Cleaning Eye</b> <b>Extra Charge</b>	$\frac{3}{8}$ Cleaning eye plug and washer 2 side cleaning eyes, plugs & washers	

## BOTTLE TRAPS








Part No.	Description	Size Natural Finish	Size Polished Chrome Plated
<b>160C</b> <b>160CPCP</b> 	<b>Fixed Inlet - Fabricated</b> Swivel Female Thread x Conex	$\frac{3}{4}$ x 22 1 x 28 $1\frac{1}{4}$ x 35 $1\frac{1}{2}$ x 42	$\frac{3}{4}$ x 22 1 x 28 $1\frac{1}{4}$ x 35 $1\frac{1}{2}$ x 42
<b>160M</b> <b>160MPCP</b> 	<b>Fixed Inlet - Fabricated</b> Swivel Female Thread x Male Thread (Parallel)	$\frac{3}{4}$ 1 $1\frac{1}{4}$ $1\frac{1}{2}$	$\frac{3}{4}$ 1 $1\frac{1}{4}$ $1\frac{1}{2}$
<b>160RC</b> <b>160RCPCP</b> 	<b>Resealing with Fixed Inlet (5" Seal) Fabricated</b> Swivel Female Thread x Conex	$1\frac{1}{4}$ x 35 $1\frac{1}{2}$ x 42	$1\frac{1}{4}$ x 35 $1\frac{1}{2}$ x 42
<b>160RM</b> <b>160RMPCP</b> 	<b>Resealing with Fixed Inlet (5" Seal) Fabricated</b> Swivel Female Thread x Male Thread (Parallel)	$1\frac{1}{4}$ $1\frac{1}{4}$	$1\frac{1}{4}$ $1\frac{1}{4}$
<b>16030</b> 	<b>Chrome Plated Brass with Adjustable Inlet</b> Swivel Female Thread x Conex		$1\frac{1}{4}$ x 35 $1\frac{1}{2}$ x 42

## TRAPS - WASTE FITTINGS

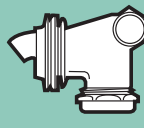
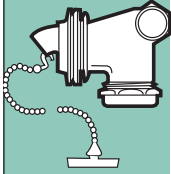

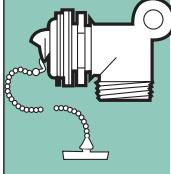
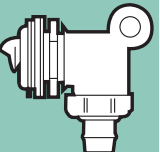

Part No.	Description	Size Natural Finish	Size Polished Chrome Plated
W301 W301PCP	<b>Straight Coupler</b> Conex x Conex	35 42 54	35 42 54
			
W302 W302PCP	<b>Male Straight Connector</b> Conex x Male Thread (Parallel ISO 228)	35 x 1 <sup>1</sup> / <sub>4</sub> 42 x 1 <sup>1</sup> / <sub>2</sub> 54 x 2	35 x 1 <sup>1</sup> / <sub>4</sub> 42 x 1 <sup>1</sup> / <sub>2</sub> 54 x 2
			
W303 W303PCP	<b>Female Straight Connector</b> Conex x Female Thread (Parallel)	35 x 1 <sup>1</sup> / <sub>4</sub> 42 x 1 <sup>1</sup> / <sub>2</sub> 54 x 2	35 x 1 <sup>1</sup> / <sub>4</sub> 42 x 1 <sup>1</sup> / <sub>2</sub> 54 x 2
			
W401F W401FPCP	<b>Elbow - Fabricated</b> Conex x Conex	35 42 54	35 42 54
			
W401FT W401FTPCP	<b>Elbow with Cleaning Eye - Fabricated</b> Conex x Conex	35 42 54	35 42 54
			
W401/OF W401/OFPCP	<b>Obtuse Elbow - Fabricated</b> Conex x Conex	35 42 54	35 42 54
			
W403SF W403SFPCP	<b>Swivel Elbow - Fabricated</b> Conex x Swivel Female Thread	35 x 1 <sup>1</sup> / <sub>4</sub> 42 x 1 <sup>1</sup> / <sub>2</sub> 54 x 2	35 x 1 <sup>1</sup> / <sub>4</sub> 42 x 1 <sup>1</sup> / <sub>2</sub> 54 x 2
			

Part No.	Description	Size Natural Finish	Size Polished Chrome Plated
W601S W601SPCP	<b>Sweep Tee</b> Conex all Ends	35 42 x 42 x 35 42 54 x 54 x 35 54 x 54 x 42 54	35 42 x 42 x 35 42 54 x 54 x 35 54 x 54 x 42 54
			
DP200 D200PCP	<b>Down Pipe Extended - 200mm (8") Long Fabricated</b> Swivel Female Thread x Plain Tail	1 <sup>1</sup> / <sub>2</sub> x 42 2 x 54	1 <sup>1</sup> / <sub>2</sub> x 42 2 x 54
			
W333 W333PCP	<b>Inlet Extension Tail Pipe - 127mm (5") Long Fabricated</b> Male Thread (Parallel) x Swivel Female Thread	2	2
			
W412 W412PCP	<b>Extended Bath Overflow - 406mm (16") Long Fabricated</b> Plain Tail x Overflow	35 x 1 <sup>1</sup> / <sub>4</sub>	35 x 1 <sup>1</sup> / <sub>4</sub>
			
W432 W432PCP	<b>Bent Tail Pipe Extended - 406mm (16") Long Fabricated</b> Swivel Female Thread x Plain Tail	1 <sup>1</sup> / <sub>4</sub> x 35 1 <sup>1</sup> / <sub>2</sub> x 42	1 <sup>1</sup> / <sub>4</sub> x 35 1 <sup>1</sup> / <sub>2</sub> x 42
			
W610 W610PCP	<b>Extended Tee - 914mm (36") Long Fabricated</b> Conex x Plain Tail x Conex	35 42 54 x 54 x 35 54 x 54 x 42	35 42 54 x 54 x 35 54 x 54 x 42
			

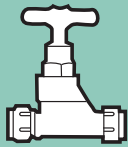
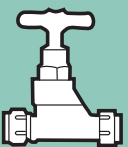
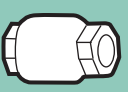
## TRAPS - ACCESSORIES

Part No.	Description	Size Natural Finish	Size Polished Chrome Plated
W63 W63PCP	Capnut 	35 42 54	35 42 54
W63B W63BPCP	Blank Capnut 	1 35 42 54	1 35 42 54
W65	Brass Compression Ring 	35 42 54	- - -
W65P	Plastic Compression Ring 	1 1/4 1 1/2 2 35 42 54	- - - - - -
W68 W68PCP	Internal Reducer Three Piece 	35 x 28 42 x 28 42 x 35 54 x 28 54 x 35 54 x 42	35 x 28 42 x 28 42 x 35 54 x 28 54 x 35 54 x 42
99	Rubber Washer Use with W63B 	35 42 54	- - -
18016	Inlet Joint Washer Use with Swivel Female Thread Connections 	1 1/4 1 1/2 2	- - -


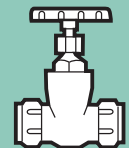
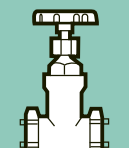
## TRAPS - MANIFOLDS

Part No.	Description	Size
190 	<b>Gunmetal Bath Overflow Manifold</b> Compression Outlet, with Chrome Plated Nozzle and Face Plate	1 1/4
190PC 	<b>Gunmetal Overflow Manifold</b> As 190 with Plug and Chain	1 1/4
191 	<b>Plastic Overflow Manifold</b> ABS Body, MI Outlet, Chrome Plated Plastic Face Plate and Nozzle	1 1/4
191PC 	<b>Plastic Overflow Manifold</b> As 191 with Plug and Chain	1 1/4
191CL 	<b>Plastic Overflow Manifold</b> As 191 with Cap and Lining	1 1/4 x 1
195 	<b>Plastic Cap and Lining</b> (Use with 191PC, 190, 190PC and 191)	Nut and Lining 1 1/4 x 1 1 1/4 x 1 1/4

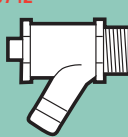
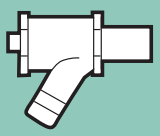


## STOP VALVES / CHECK VALVES

Part No.	Description	Size Brass	Size DZR
<b>701</b> <b>S701</b> 	<b>Stop Valve - Crutch Head</b> Conex x Conex	15	15
		22	22
		28	28
		35	-
		42	-
		54	-
<b>701CP</b> 	<b>Chrome Plated Stop Valve - Crutch Head</b> Conex x Conex	15	-
		22	-
<b>T480Y</b> 	<b>Single Check Valve</b> Female Thread x Female Thread	-	3/8
		-	1/2
		-	3/4
		-	1
		-	1 1/4
		-	1 1/2
		-	2

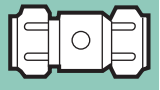

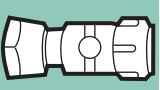
## FULLWAY GATE VALVES TO BS5154/B

Part No.	Description	Size Wheelhead	Size Lockshield
<b>1001</b> <b>1001LK</b> 	<b>Brass Gate Valve (PN16)</b> Conex x Conex	15	15
		22	22
		28	28
		35	35
		42	42
		54	54
<b>1001CP</b> 	<b>Chrome Plated Brass Gate Valve (PN16)</b> Conex x Conex	15	-
		22	-
<b>1101/100</b> 	<b>DZR Gate Valve</b> Conex x Conex	67.7	-
		76.1	-




## DRAINING TAPS

Part No.	Description	Size Brass	Size DZR
<b>S742</b> 	<b>DZR Draining Tap to BS2879-2 1980 (Bushed)</b> Male Thread (Parallel ISO 228)	-	1/2
<b>S746</b> 	<b>DZR Draining Tap (Bushed)</b> Conex x Conex	-	15
<b>1350</b> 	<b>Draining Tap Key</b>	3/4	-
<b>42500KY</b> 	<b>Lockshield Key for Gate Valves</b>	15 22	- -




## SERVICEMAN VALVES TO BS6675

Part No.	Description	Size Brass Nickel Plated
<b>720NP</b> 	<b>Straight Servicing Valve</b> Conex x Conex	15 x 10 15 x 15 22 x 22
<b>721NP</b> 	<b>Servicing Valve Elbow</b> Conex x Swivel Female Thread (Parallel ISO 228)	15 x 1/2
<b>722NP</b> 	<b>Straight Servicing Valve</b> Conex x Swivel Female Thread	15 x 1/2 22 x 3/4

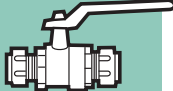


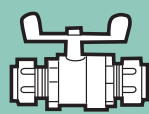
## PLUG TAPS / AUTOMATIC AIR VENT / WASHING MACHINE VALVE




Part No.	Description	Size Brass
1501 	Plug Tap Conex x Conex	15 22
3620 	Automatic Air Vent	3/8
3625 	Air Vent Isolator	3/8

## BRASS FLOAT VALVES

Part No.	Description	Size Brass Nickel Plated
50033 50033L 50033J 	Brass Float Valve BS 1212: Part 1 Side Entry	1/2 3/4 1
50063	High Pressure Plastic Seat	1/2
50133S	Low Pressure Plastic Seat	1 1/4 1 1/2 2
52033 52063 	Brass Float Valve BS 1212: Part 2 Side Entry	1/2 1/2
563 	Plastic Float Valve BS 1212: Part 3 Side Entry - Supplied with 2 seats H.P (Fitted) and M.L.P All Plastic High Pressure	1/2

## LEVER BALL VALVES

Part No.	Description	Size Brass Natural Finish	Size DZR Natural Finish
1201 S1201 	Lever Ball Valve with Standard Red Lever Conex x Conex	15 22 28	15 22 28
S1201 	ISO Lever Ball Valve with Standard Red Lever Poly x Poly	- -	20 x 20 25 x 25
S1201 	ISO Lever Ball Valve with Standard Red Lever Poly (Inlet) x Conex	- -	25 x 15 25 x 22
1211 	Lever Ball Valve with Red 'T' Handle Conex x Conex	15 22 28	- - -

Part No.	Description	Size Brass Natural Finish	Size Brass Nickel Plated
1204 	Lever Ball Valve with Standard Red Lever Female Thread (Parallel ISO 228) x Female Thread (Parallel ISO 228)	1/2 3/4 1 1 1/4 1 1/2 2	- - - - - -
1204G 	Lever Ball Valve with Standard Yellow Lever Female Thread (Parallel ISO 228) x Female Thread (Parallel ISO 228)	1/4 3/8 1/2 3/4	- - - -
1204W 	Light Pattern Nickel Plated Lever Ball Valve with Standard Red Lever Female Thread (Parallel ISO 228) x Female Thread (Parallel ISO 228)	- - - - -	1/2 3/4 1 1 1/4 1 1/2 2









IBP GmbH  
Erdkauter Weg 17  
D-35394 Giessen  
GERMANY  
Tel: +49 641 70070  
Fax: +49 641 7007361

---



IBP Atcosa S.L.  
Poligono Industrial Quintos-  
Aeropuerto Apartado Correos 16  
14005 Cordoba  
SPAIN  
Tel: +34 957 469600  
Fax: +34 957 469604

---



IBP France  
Immeuble P H Spaak  
12 rue Jules Ferry  
93561 Rosny-sous-Bois Cedex  
FRANCE  
Tel: +33 1 481 22550  
Fax: +33 1 481 22560

---



IBP Bänninger Italia Srl  
Strada Provinciale Asolana No. 92  
43056 San Polo di Torrile (Parma)  
ITALY  
Tel: +39 0521 317311  
Fax: +39 0521 317355

---



IBP Limited  
Whitehall Road  
Tipton  
West Midlands DY4 7JU  
UNITED KINGDOM  
Tel: +44 (0)121 557 2831  
Fax: +44 (0)121 520 8778  
email: [salesuk@ibpgroup.com](mailto:salesuk@ibpgroup.com)  
technical@ibpgroup.com  
web: [www.ibpgroup.com](http://www.ibpgroup.com)

---



IBP Instal fittings SP z o.o  
ul Obodrzycka 61  
61-249 Poznan  
POLAND  
Tel: +48 61 8 770051  
Fax: +48 61 8 790949

---

