QUICK

The quick and easy-to-use press fitting.

Technical Submittal March 2020

PROJECT NAME:	
PROJECT REF:	
ENGINEER:	
DATE:	
CONTRACTOR:	
RFI/RPA NUMBER:	

Conex | Bänninger
>B< Press

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>B< Press XL

Contents

1. General

>B< Press fittings are quick and easy-to-install and are available in copper and copper alloy. This flame-free range is designed with an innovative 3-point press system (15 to 54 mm). Also offered in copper is >B< Press XL (64 to 108 mm). Both ranges ensure a secure, permanent leak-free joint that is suitable for multiple applications.

1.1.1 Quality and certifications

Conex Bänninger has 110 years of experience in manufacturing innovative products and operates an accredited Quality Management System to EN ISO 9001.

>B< Press copper and copper alloy fittings are tested and certified by independent national certification bodies confirming its suitability and reliability for use with potable water applications. >B< Press is certified by the following bodies:

Table 1

International certifications	
>B< Press 12 to 54 mm	
Belgium	ATG
Czech Republic	SZU
France	ACS
France	CSTB
Germany	DVGW
Germany	DNV
Hungary	ANTSZ
Hungary	EMI
Marine	Lloyd's Register
Marine	Bureau Veritas
Netherlands	KIWA
Poland	ITB
Poland	PZH
Russia	PCT
Slovenia	Institut za varilstvo
Switzerland	SVGW
Sweden	KIWA SE
Ukraine	TYSK
United Kingdom	BSI Kitemark
United Kingdom	WRAS
>B< Press XL 64 to 108 mm	
Germany	DVGW
United Kingdom	BSI Kitemark
United Kingdom	WRAS

1.1.2 Features and benefits

- Suitable for potable water, hot and cold water installations, chilled water, compressed air and vacuum.
- Quick and easy to install, saving on labour time.
- Permanent, flame-free connection - no hot works permit required.
- Suitable for use with hard, half-hard and soft copper tubes to EN 1057. See tube compatibility table in section 2.4.5 for >B< Press and section 3.3.5 for >B< Press XL.
- Leak before press indicator assists identification of unpressed joints.
- Manufactured using high quality materials to applicable standards.
- Tested and approved by national and international standard authorities.
- Maximum operating pressure 16 bar.
- Twenty five year product guarantee, for full terms and conditions please see section 1.9.
- Maximum operating temperature 110 °C.
- 3-point press safety feature for added security (12 to 54 mm only).
- >B< Press XL has a stainless grip ring (64 to 108 mm only).
- No soldering or brazing consumables required.
- Comprehensive range of fittings - sizes from 12 to 108 mm.
- Compatible with commonly available press tools (see section 2.3 for >B< Press and section 3.2.1 for >B< Press XL).
- Suitable for in built water installations.
- >B< Press XL flanges comply to EN 1092-1.

1.1.3 Materials and threads

>B< Press and >B< Press XL fitting bodies are produced from copper and copper alloy materials.

Copper fittings are made from oxygen-free copper CU-DHP (material number EN 12165 CW024A).

Copper alloy fittings are produced from Red brass (gunmetal): EN 1982, CC 499K.

All components in contact with water are manufactured from low lead materials complying with the European requirements for materials in contact with drinking water.

The materials meet the requirements of the 'UBA/4MS list of hygienically suitable materials for drinking water', and are ideal for all types of drinking water systems without restriction.

Threaded connections

>B< Press and >B< Press XL fittings are available with male and female threaded connections to the following standards:

- Jointing threads are to ISO 7-1 and EN 10226-1. Female are parallel and male are taper.
- Fastening threads are to ISO 228 parallel.

1.1.4 Storage and handling

Store in a cool and dry place to protect the fittings from contamination, damage and dirt. Keep out of direct sunlight. Fittings should be left in their packaging to preserve the lubrication on the O-rings prior to installation.

1.1.5 Black EPDM sealing elements

>B< Press and >B< Press XL EPDM O-ring's are peroxide cured rubber seals with high elasticity, excellent cold and heat performance.

Please refer to section 1.2 for the fitting operating parameters for the different applications.

1.1.6 Leak before press indicator

>B< Press benefits from patented 'leak before press' O-ring technology (12 to 54 mm) which indicates if a joint has not been pressed. The O-ring contains two in-built water pathways that allows water to pass through and create a noticeable leak when the system is tested at low pressure (0.1 to 6.0 bar).

>B< Press XL (64 to 108 mm) also features an in-built 'leak before press' function. With a larger internal fitting diameter, water passes through and creates a leak path when the system is tested at low pressure (0.1 to 6.0 bar).

1.1.7 System testing

Pressure testing should be carried out to the appropriate standard (e.g. EN 806 1.1 x maximum working pressure) or to the satisfaction of the supervising engineer with a maximum test pressure of 1.5 times the operating pressure. For further information please see section 1.6.

1.1.8 Electrical continuity

>B< Press copper and red brass fittings maintain earth continuity without the need for additional continuity straps.

1.1.9 Recommended water velocities

Please note the maximum allowances for water velocities are per the relevant national standards and codes, which includes EN 806 part 2 and part 3.

1.1.10 COSHH (Control of substances hazardous to health)

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.

1.1.11 Tube compatibility

>B< Press and >B< Press XL fittings can be used on hard, half-hard and soft copper tube to EN 1057. Also >B< Press red brass fittings can also be used to connect stainless steel tube in accordance with EN 10312. For >B< Press (12 to 54 mm) please refer to section 2.4.5 and for >B< Press XL (64 to 108 mm) see section 3.3.5.

1.2 Applications

>B< Press copper fittings are suitable for use in the following applications.

Table 2

Application	Flow medium	Pressure bar	Temp °C
Drinking water installations EN 806	Drinking water	10	95 max
		16	25 max
Hot water heaters EN 12828	Heating water	6	110 max
Local and district heating tubes	Heating and district heating water	10	110 max
Thermal solar systems* with permanent operating temperatures ≤ 110 °C EN 12975 / 12976	Water and water-glycol mixtures mixing ratio max. 50/50 %	6	Range -35 to 110 200 °C 20 h/a** 180 °C 60 h/a**
Chilled water and cooling water systems	Water and water-glycol mixtures mixing ratio max. 50/50 %	10	-10 min
Rainwater harvesting systems	Rainwater from cisterns	10	25
Compressed air (oil-free)	Compressed air classes 1-3 as per ISO 8573-1	10	25
Industrial and processing water	Prepared, softened, partially and partially de-ionized water with a pH of 6.5 ≤ Ph 6.5 ≤ 9.5***	10	95 max
		16	25 max
Vacuum piping for non-medical purpose	N/A	-0.8	Ambient
Pipeline in shipbuilding ≤ 54 mm	Water with 6.5 ≤ Ph 6.5 ≤ 9.5	16	95 max
Field test pressure	Water with 6.5 ≤ Ph 6.5 ≤ 9.5	16	Ambient

* In thermal solar plants and district heating pipelines with permanently high operating temperatures, our >B< Press Solar press fittings (with the high temperature-resistant FKM sealing element) can be used.

** h/a - Hours per annum.

*** In the event of deviating parameters, please contact the technical department, technical@ibpgroup.com.

For applications outside those stated in the table above, please contact the technical department: technical@ibpgroup.com.

1.3 Product Suitability

The application parameters referred to in section 1.2 and the tube compatibility must be adhered to when using and connecting >B< Press copper and copper alloy fittings.

1.3.1 Drinking water installations

Drinking water installations must be planned and operated in accordance with local regulations, codes of practice, by laws and standards governing the installation e.g. EN 806: parts 1 to 4: Specifications for installations inside buildings conveying water for human consumption.

>B< Press copper and copper alloy fittings have several accreditations for use in drinking water systems see section 1.1.1.

A variety of tube materials including copper, internally tin-plated copper and stainless steel may all be combined in one system.

>B< Press red brass fittings can also be used to connect stainless steel tube in accordance with EN 10312.

1.3.2 Heating and cooling systems

In closed heating, cooling and chilled water systems, there is generally an absence of oxygen which greatly reduces the likelihood of corrosion. This means a range of metallic materials may be used without the risk of corrosion; flow direction does not need to be taken into consideration.

Consequently, >B< Press copper and copper alloy water fittings can be combined with other materials in a closed oxygen free system (reference EN 14868:2005).

Whilst, oxygen entry cannot always be fully prevented in extensive tube systems. EN 806 part 2 and 4 provide instructions for the measures to be taken in this case (chemical oxygen binding).

In the case of open vented systems, appropriate precautions should be taken with mixed metals to avoid any bi-metallic corrosion issues. You must ensure copper is installed downstream from galvanized steel components.

1.3.3 Local, district and solar heating

>B< Press can be used in local, district and solar heating systems with the operating parameters referred to in section 1.2. Please contact our technical team first if special additives need to be added to the hot water for corrosion protection or sealing purposes.

For permanent higher operating temperatures above 110 °C, it is recommended that >B< Press Solar fittings are used with the high temperature resistant, green FKM sealing element.

1.4 Thermal Expansion

1.4.1 Effects of expansion

The coefficient of linear expansion for copper is 16.8 x 10^{-6} °C. For example, a 10 m length of copper tube, irrespective of its size, wall thickness or temper, will increase in length by 10.8 mm a temperature rise of 60 °C. Tubes installed on hot water services must be free to accommodate this expansion; otherwise stresses will build up in the pipework that may lead to joints being pulled apart and/or tubes fracturing. Clearly the magnitude and frequency of such changes in length will determine the life of the joint or failure of the tube.

Table 3 shows the amount of tube expansion for a given temperature rise. In the case of tube in domestic hot water and heating installations the limited size of rooms and hence straight tube runs, together with the many bends and offsets that normally occur, will result in thermal movement being accommodated automatically. However where long straight tube runs, exceeding 10 m, are encountered, allowance for expansion should be made.

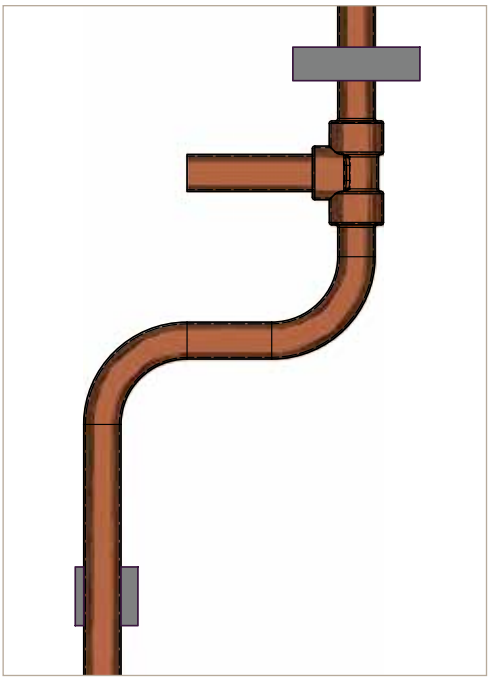
A quick, economic and effective way of accommodating thermal expansion is to simply incorporate the horseshoe or compensating bend to the system design.

1.4.2 Expansion devices

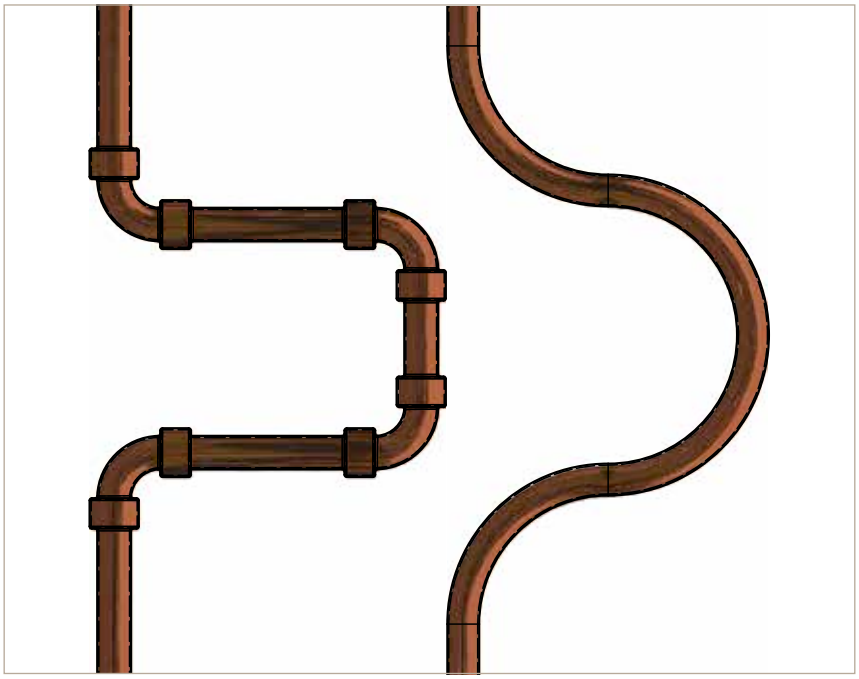
Where copper tubes pass through walls, floors and ceilings, they should be able to move as a result of expansion and contraction. This can be arranged by passing the tube through a sleeve or length of larger diameter tube fixed through the whole thickness of the wall, floor, ceiling, or by means of flexible joints on either side of the wall.

Short stubs to and from radiators, connected to relatively long straight runs should also be avoided. This can usually be achieved by introducing an expansion loop, thereby increasing the length of pipework fixed between the flow/return legs and the radiator connection. However, expansion accommodation techniques such as the use of loops and horseshoes may not be sufficient to accommodate large expansions and in such cases the use of the bellows type couplers may be necessary.

Table 3 shows the increase in length due to thermal expansion as a function of change in temperature Δt and the length of the tube, irrespective of diameter, temper or wall thickness.



By change of direction



Horseshoe or compensating bend

Table 3

Tube length m	Change in length mm with temperature difference Δt °C							
	Δt=30°	Δt=40°	Δt=50°	Δt=60°	Δt=70°	Δt=80°	Δt=90°	Δt=100°
0.1	0.05	0.07	0.08	0.10	0.12	0.13	0.15	0.17
0.2	0.10	0.13	0.17	0.20	0.24	0.27	0.30	0.34
0.3	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50
0.4	0.20	0.27	0.34	0.40	0.47	0.54	0.60	0.67
0.5	0.25	0.34	0.42	0.50	0.59	0.67	0.76	0.84
0.6	0.30	0.40	0.50	0.60	0.71	0.81	0.91	1.01
0.7	0.35	0.47	0.59	0.71	0.82	0.94	1.06	1.18
0.8	0.40	0.54	0.67	0.81	0.94	1.08	1.21	1.34
0.9	0.45	0.60	0.76	0.91	1.06	1.21	1.36	1.51
1.0	0.50	0.67	0.84	1.01	1.18	1.34	1.51	1.68
2.0	1.01	1.34	1.68	2.02	2.35	2.69	3.02	3.36
3.0	1.51	2.02	2.52	3.02	3.53	4.03	4.54	5.04
4.0	2.02	2.69	3.36	4.03	4.70	5.40	6.05	6.72
5.0	2.52	3.36	4.20	5.04	5.88	6.72	7.56	8.40
10.0	5.04	6.72	8.40	10.80	11.76	13.44	15.12	16.80
15.0	7.56	10.80	12.60	15.12	17.64	20.16	22.68	25.20
20.0	10.08	13.44	16.80	20.16	23.52	26.88	30.24	33.60
25.0	12.60	16.80	21.00	25.20	29.40	33.60	37.80	42.00

Δt dimensional increase is stated in mm

1.5 Corrosion Resistance, Frost / Heat Protection

1.5.1 Frost protection and heat gain

Regulations require that all water services (except warning or overflow pipes) shall be protected from freezing temperatures and heat gain. This is best achieved by protecting the system by use of a suitable thickness of insulation or in the case of particular situations such as unheated roof spaces that require special care, a self-regulating trace heating tape.

Pipework may need to be protected from external corrosion causing construction materials, corrosive environments or abrasion. A variety of solutions are available, ducting, insulation, corrosion resistant paint finishes and anti-abrasive tape, the most effective solution should be chosen.

Systems containing copper tube with copper and copper alloy fittings generally have a high resistance to internal corrosion. However, it is recommended when systems have been hydrostatically pressure tested and are not going into immediate service, they are fully drained down and blown out with dry air. Alternatively, if this is impracticable, the system should be left 'wet', and flushed at regular intervals prior to being commissioned to reduce carbon film cold water pitting and the potential for legionella in stagnant water.

Precautions against freezing must also be undertaken. This is particularly important in new build housing when properties are not occupied for extended periods.

For heating and cooling applications, >B< Press fittings can be used with glycol-water mixtures up to a mixing ratio of 50:50 without affecting the product quality and the sealing element.

If a frost protection inhibitor is to remain in the pipelines permanently, at least one concentration test must be carried out annually. All chemical additions must be agreed before use to rule out negative interactions with materials and sealing elements (O-rings). For more information, please contact Conex Bänninger technical department.

1.6 Pressure Testing

Pressure testing on >B< Press fittings should normally be carried out using clean potable water. Only in exceptional circumstances should pneumatic pressure testing using compressed inert gas or air be used, and then only under careful controlled conditions.

Pressure testing should be carried out in accordance with national regulations, appropriate specifications should be drawn up and a risk assessment must be completed prior to testing.

Typically, when testing systems containing >B< Press fittings, all joints shall remain uncovered and visible, the system shall be filled with clean potable water against an open high point valve allowing all trapped air to be removed from the network. Once free of trapped air, the high-level valve should be closed and the system topped up. At that stage testing can be completed between 1 to 2 bar and a full inspection made to ensure any un-pressed joints are identified. Any identified joints that have not been pressed and are leaking water can be pressed without draining down, however it is essential the tube is fully inserted to the tube stop prior to pressing.

Once it is confirmed there are no un-pressed joints, the pressure can be slowly raised to the system test pressure. The recommended system test pressure should be in accordance with the requirements of EN 806 part 4 (1.1 x maximum design pressure). Full test pressure should be maintained for a minimum of 30 minutes without any sign of pressure drop. A full inspection should then be carried out to identify any leaks.

1.7 System Commissioning

To ensure the quality and safety of hot and cold-water supply systems always follow best practice techniques in their design, installation, commissioning, and maintenance.

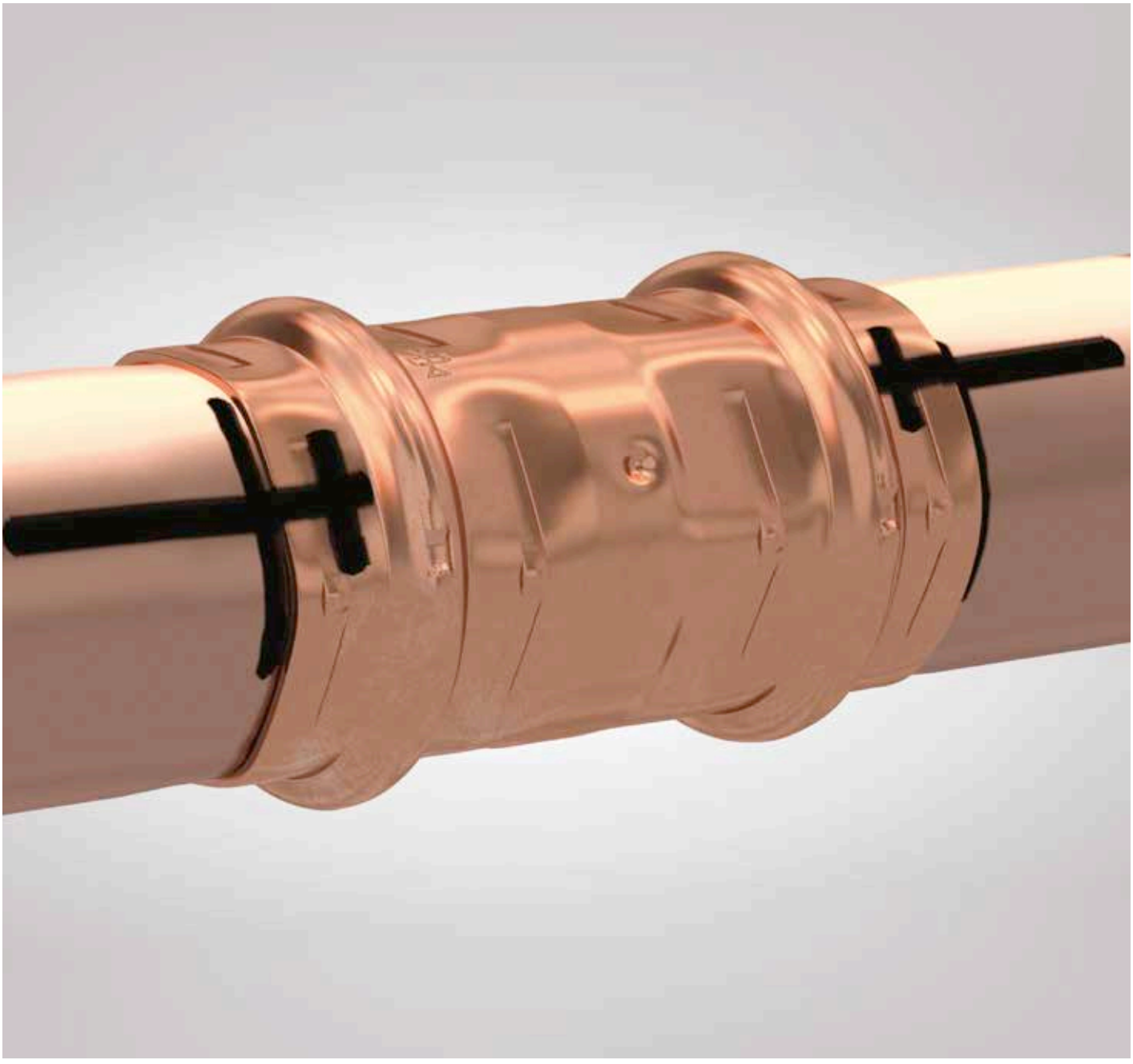
A reliable and predictive regime of commissioning that does not have any detrimental effect on the longevity of the system should be in place as required by national, regional and local laws and regulations.

The chemicals used in the pre-commissioning, if incorrectly administered can have a serious effect on the systems' life, therefore the choice of chemicals is dependent on the particular site conditions, the materials used and the method(s) of construction.

Where a temporary mains supply(s) is to be used it should be cleaned and chlorinated in accordance with national regulations before being used for system filling and flushing.

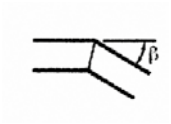
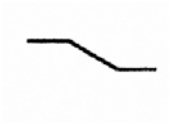
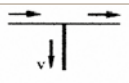
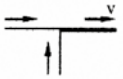
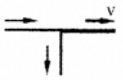
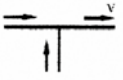
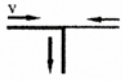
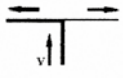
For more information on chlorination, please refer to document 'pre-commissioning of systems' available at www.conexbanninger.com.

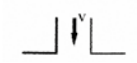
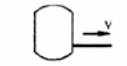
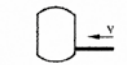
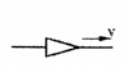
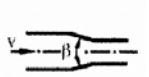
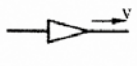
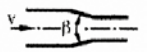
Note: Commercial anti-corrosion chemicals must not to be used on potable water systems.

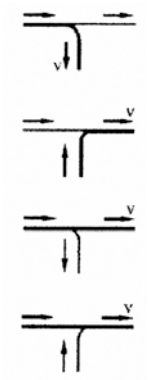
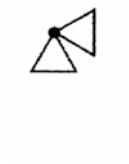
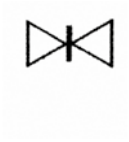


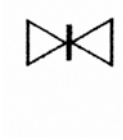
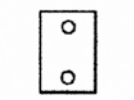
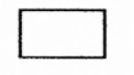
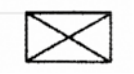
1.8 Loss Coefficients

Table 4

Symbol	Designation	ζ	Application	
			DW	H
	Angle or elbow reference value in accordance with DIN 1988 T3	0,70	X	X
	Angle 90° r/d = 0,5 (r/d = 1,2 = 1,0 with fittings = 2,0 complying with DIN EN 1254) = 3,0	1,0 0,35 0,20 0,15	X X X X	X X X X
	Angle ß = 90° = 60° = 45°	1,3 0,8 0,4	X X X	X X X
	Crossover	0,5	X	X
	Branch, square flow separation	1,3	X	X
	Flow merging	0,9	X	X
	Clearance at flow merging	0,3	X	X
	Clearance at flow merging	0,6	X	X
	Counter-flow at flow merging	3,0	X	X
	Counter-flow at flow separation	1,5	X	X

Symbol	Designation	ζ	Application	
			DW	H
	Distributor outlet	0,5	X	X
	Collective inlet	1,0	X	X
	Reservoir outlet	0,5	X	
	Inlet	1,0	X	X
	Reducer	0,4	X	X
	Constriction ß - constant = 30° 45° 60°	0,02 0,04 0,07	X X X	X X X
	Expansion ß - constant = 10° 20° 30° 40°	0,10 0,15 0,20 0,20	X X X X	X X X X
	Expansion bends	1,0	X	X
	Compensator	2,0	X	X
	Compensator	2,0	X	X

Symbol	Designation	ζ	Application	
			DW	H
	Branch, curved flow separation	0,9	X	X
	Flow merging	0,4	X	X
	Clearance at flow separation	0,3	X	X
	Clearance a flow merging	0,2	X	X
	Angle valves DN 10 DN 15 DN 20 to DN 50 DN 65 to DN 100	 7,0 4,0 2,0 3,5 4,0	 X X X X X	 X X X X X
	Diaphragm valves DN 15 DN 20 DN 25 to DN 32 DN 40 to DN 100	 10,0 8,5 7,0 6,0 5,0	 X X X X X	 X X X X X
	Shutter valves Piston valves Ball valves DN 10 to DN 15 DN 20 to DN 25 DN 32 to DN 150	 1,0 0,5 0,3	 X X X	 X X X
	Radiator valves	4,0		X
	Control valve	2,0		X
	Pressure regulator fully open	30,0		X

Symbol	Designation	ζ	Application	
			DW	H
	Shut-off valve Straight seat valve DN15 DN20 DN25 DN32 DN40 to DN100 Angle seat valve DN 15 DN20 DN 25 to DN50 DN65	 10,0 8,5 7,0 6,0 5,0 3,5 2,5 2,0 0,7	 X X X X X X X X X	 X X X X X X X X X
	Return flow inhibitor DN 15 to DN 20 DN 25 to DN 40 DN 50 DN 65 to DN 100	 7,7 4,3 3,8 2,5	 X X X X	
	Control valve with return flow inhibitor DN 20 DN 25 to DN 50	 6,0 5,0	 X X	
	Valve tapping sleeve DN 25 to DN 8O	 5,0	 X	
	Boiler	2,5		X
	Heating radiator	2,5		X
	Panel radiator	3,0		X

1.9 Product Guarantee

When professionally installed, used and maintained in accordance with the installation and maintenance instructions detailed in the >B< Press technical manual available on the Conex Bänninger website www.conexbanninger.com.

Conex Universal Ltd. guarantees that >B< Press supplied by Conex Universal Ltd. will be free of material defects resulting from errors in manufacture, for twenty five (25) years from the date of first purchase by an end user. This Guarantee is limited to the repair or replacement of defective product(s) (at the sole discretion of Conex Universal Ltd.). At the request of Conex Universal Ltd. the allegedly defective product(s) must be returned to the address below* and Conex Universal Ltd. reserves the right to inspect and test the alleged defects. This guarantee provided by Conex Universal Ltd. does not affect your statutory rights.

The Guarantee set out above is given by Conex Universal Ltd. and subject to the following conditions:

A. Any alleged defects must be reported to Conex Universal Ltd. within one month of the first occurrence of any such alleged defect, clearly setting out the nature of the claim and the circumstances surrounding it.

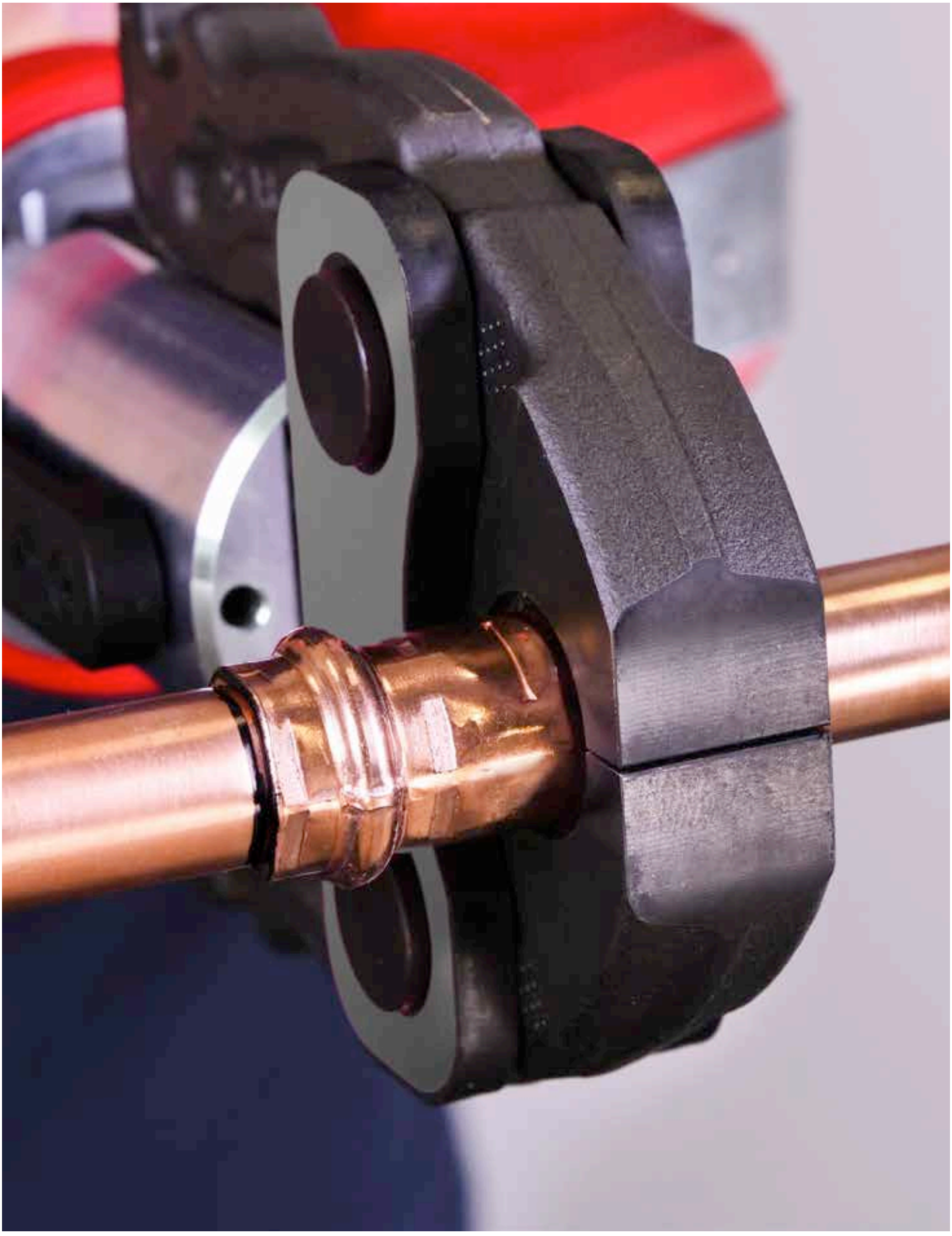
B. Conex Universal Ltd. shall be under no liability in respect of any defect in any product arising from:

- defective installation,
- fair wear and tear,
- wilful damage,
- negligence of any party other than Conex Universal Ltd.,
- abnormal working or environmental conditions,
- failure to follow the instructions of Conex Universal Ltd.,
- misuse (which includes any use of the product(s) concerned for a purpose or in a situation / environment or for an application other than that for which it was designed), or
- alteration or repair of any product without the prior approval of Conex Universal Ltd.

C. At the request of Conex Universal Ltd. the person claiming under this guarantee must deliver to Conex Universal Ltd. written evidence of the date of first purchase by an end user of the product(s) concerned.

*** The address for returns is:**

Customer Services at Conex Universal Limited.
Global House, 95 Vantage Point, The Pensnett Estate,
Kingswinford, West Midlands, DY6 7FT,
UNITED KINGDOM



Conex | Bänninger

>B< Press

>B< Press

12 to 54 mm

2.1 >B< Press Fittings

>B< Press fittings are quick and easy to install and are available in copper and copper alloy. This flame-free fitting is designed with an innovative 3-point press system to ensure a leak-free, secure, permanent joint and is suitable for multiple applications.

2.2 Fitting Construction

The >B< Press design has the advantage of a 3-point press profile; comprising of two mechanical presses on either side of the bead, and one press on the O-ring bead. The EPDM O-ring compresses to form a permanent leak-proof joint.

>B< Press copper fittings have a 'leak before press indicator' that highlights unpressed connections at test pressures of 0.1 to 6.0 bar. Any unpressed joints can easily be identified during the test phase and pressed, saving valuable time and money. There is no need to drain down as the pressing operation can be carried out while the water is still in the system.

>B< Press fittings are installed using a press tool with a compatible press jaw. Jaws are sized to match the fitting required. When force is exerted through the press tool the jaw closes to make a permanent joint.

Please refer to the approved list of press machines and jaws in section 2.3.

2.3 Compatible Press Tools

2.3.1 Tool chart

Table 5

12 to 35 mm Compact machines			
Manufacturer	Press machine	Press jaws	Jaw profile
Rothenberger	Romax Compact	Rothenberger - Compact	SV
	Romax Compact TT	Rothenberger - Compact	SV
Rems	Mini Press ACC	Rems - Mini	V
Klauke	MAP1/MAP2L/MAP215	Klauke - SBM	KSP4
	MAP219/MAP2L19	Klauke - SBMX	KSP4
Novopress	ACO102/ACO103	NovoPress - V-PB1	V
Milwaukee	M12	Milwaukee - J12	V
Hilti	NPR 019 IE-A22	Hilti - NPR PM V	V
Ridgid	RP 200/210/240/241	Ridgid - Compact Series	V
Conel	PM 1	Conel - V-PB1	V
Viega	Picco	Viega Picco	PT2

Table 6

12 to 54 mm Standard 32 kN machines			
Manufacturer	Press machine	Press jaws	Jaw profile
Rothenberger	Romax 3000/4000	Rothenberger - Standard*	SV
Rems	Power-Press/ Akku-Press	Rems - Standard*	V
Novopress	ECO/ACO202/203	Novopress - V-PB2*	V**
Conel	PM 2	Conel - V-PB2*	V
Klauke	UAP2/UAP3L/UAP332	Klauke - Standard SB*	KSP4
Ridgid	RP 320/330/340	Ridgid - Standard Series*	V
Hilti	NPR 032 IE-A22	Hilti - NPR PS V*	V
Milwaukee	M18	Milwaukee - J18*	V**
Viega	Pressgun 5/6	Viega Standard*	PT2

* Press Jaw only - not press slings, collars, chains or rings.

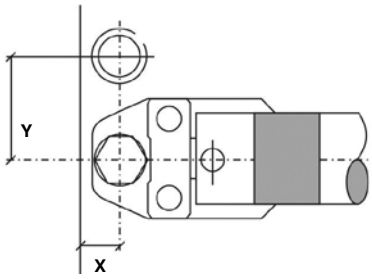
** Novopress & Milwaukee jaws with the marking only

For inter tool compatibility please refer back to the manufacturer.

2.4 Installation Requirements

2.4.1 Space required for the pressing process

The following minimum clearances are required from structural components to allow operation of tool for press fitting.



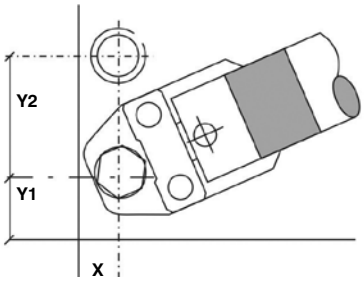


Table 7

Space required for the pressing process between fittings		
External tube	X	Y
Size mm	mm	mm
12	26	51
15	26	53
18	26	54
22	26	54
28	33	69
35	33	73
42	75	115
54	85	120

Table 8

Space required for the pressing process between fittings			
External tube	X	Y1	Y2
Size mm	mm	mm	mm
12	31	45	71
15	31	45	73
18	31	45	74
22	31	45	76
28	38	55	80
35	38	55	85
42	75	75	115
54	85	85	140

2.4.2 Insertion depth and minimum distances between pressings

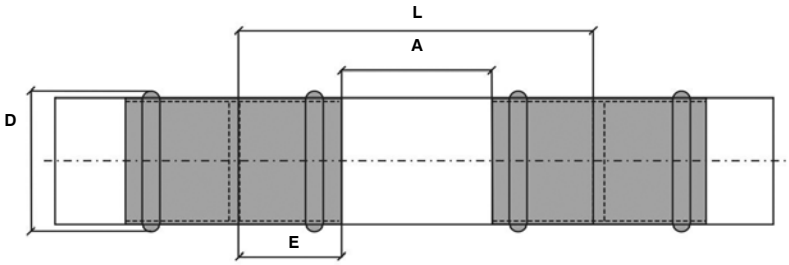


Table 9

Insertion depth and minimum distance between pressings				
Size	External - Ø pressing bead	Minimum distance	Minumum tube length	Insertion depth
mm	D - mm	A - mm	L - mm	E - mm
12	19	10	46	18
15	22.6	10	54	22
18	25.6	15	59	22
22	31	20	66	23
28	37	20	68	24
35	44	25	77	26
42	53.4	30	102	36
54	65.4	35	115	40

Due to reforming of the tube profile when pressed, it is advised that a minimum distance is allowed between each fitting.

2.4.3 Minimum distance for press fittings from an existing brazed joint

To ensure proper sealing of both the brazed and pressed joints, the following minimum distances must be maintained between the joints. Please see Table 10 for further information.

Table 10

Minimum distance from a brazed joint	
Tube size	mm
12	5
15	5
18	5
22	5
28	5
35	10
42	15
54	20

2.4.4 Minimum brazing distance to an existing pressed fitting

Caution: Brazing or soldering near to >B< Press joints should be avoided as this may cause the seal to degrade due to heat transfer. Table 11 states the minimum distance away from the press joint which is acceptable to braze. If this distance cannot be maintained then adequate precautions must be taken such as fabricating the brazed section prior to assembly with the press fittings, wrapping in a wet rag or applying a hot block, to prevent heat transfer to the press fitting during brazing.

Table 11

Minimum distance brazing	
Tube size	mm
12	350
14	400
15	450
16	450
18	500
22	600
28	700
35	900
42	1200
54	1500

2.4.5 >B< Press tube compatibility table

>B< Press fittings can be used on hard, half-hard and soft copper tube to EN 1057 with the wall thicknesses stated below.

Table 12

Tube wall thickness (mm)						
Tube O/D	Copper - R220		Copper - R250		Copper - R290	
12	0.6	–	0.8	1.0	1.0	–
14	1.0	–	1.0	1.0	1.0	–
15	1.0	–	0.7	1.0	1.0	–
16	1.0	–	1.0	1.0	1.0	–
18	1.0	–	0.8	1.0	1.0	–
22	1.0	1.2	0.9	1.1	1.0	1.5
28	–	–	0.9	1.2	1.0	1.5
35	–	–	1.2	–	1.0	1.5
42	–	–	1.2	–	1.0	1.5
54	–	–	1.2	–	1.2	2.0

>B< Press red brass fittings can also be used to connect stainless steel tube in accordance with EN 10312 parts 1 and 2. For more information please contact the technical department on technical@ibpgroup.com.

2.5 >B< Press Installation Process

Leave the fittings in the packaging prior to final installation to protect them from contamination and to preserve the lubrication of the O-rings. Please note the space required for pressing tools (see section 2.4.1).

1. Cut tube to length

- Use a rotary tube cutter.
- Ensure that the tube is cut square.
- Check the tube has retained its shape and is damage free.

2. Deburr

- Deburr the tube both internally and externally.
- Where possible angle the tube downwards to prevent filings entering the tube.
- Make sure the internal and external surfaces of the tube ends are smooth and free from burrs or sharp edges.

Caution: Please ensure that the tube surface is free from any deep scores or scratches.

3. Check the fittings

- Check the fitting is the correct size for the tube.
- Check the O-rings are present and correctly seated.
- Additional >B< Press lubricant (silicon oil) may be used to aid tube insertion. (MPABPSOIL100ML)

4. Assemble and mark the insertion depth

- The tube must be fully inserted into the fitting until it reaches the tube stop.
- To reduce the risk of dislodging the O-ring, rotate the tube (if possible) while slipping it into the fitting.
- Mark the insertion depth on the tube.
- Prior to pressing ensure the tube has not moved out from the fitting socket.

5. Complete the joint with the press tool

- Ensure pipework is correctly aligned prior to pressing.
- Ensure the correct size jaw is inserted into the tool.
- The jaws must be placed squarely on the fitting, locating the groove on the bead.
- The bead on the fitting should fit centrally in the groove of the jaw.
- Depress and hold the start button on the press tool to complete the pressing cycle.
- Pressing is complete when the jaws are fully closed.
- Complete the press cycle once only – do not re-press.

6. Mark the completed joint

- Mark the completed joint after pressing.
- This enables joints to be inspected easily before testing.

2.6 The Range

P4001G
90° Bend with Male Thread

P4090G
90° Elbow with Female Thread

P4093G
Wall Plate Elbow Tank Connector

P4096G
Female Bent Union

P4130G
Tee with Female Threaded Branch

P4132G
Male branch Tee (ISO 7)

P4243G
Male Straight Connector

P4244G
Straight Tank Connector

P4270G
Female Straight Connector

P4275
Slip Coupler Long

P4280G
Male Adaptor

P4281G
Female Adaptor

P4330
Union

P4330G
Female Straight Union Connector

P4331G
Male Straight Union Connector

P4355
Flat Face Connector

P4471G
Wall Plate Elbow

P5001
90° Street Bend

P5002
90° Bend

P5002L
90° Bend Long

P5040
45° Obtuse Street Elbow

P5041
45° Obtuse Elbow

P5060
Return Bend

P5085
Crossover Coupler

P5086
45° Crossover Street Coupler

P5130
Tee - Equal

P5130RB
Tee - Reduced Branch

P5130REB
Tee - Reduced End and Branch

P5130RE
Tee - Reduced End

P5130RBE
Tee - Reduced Both Ends

P5240
Reduced Straight Coupler

P5243
Fitting Reducer

P5270
Straight Coupler

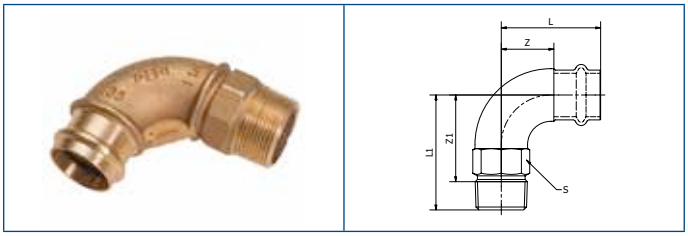
P5270S
Slip Coupler

P5290
Male Stop End

P5301
Stop End

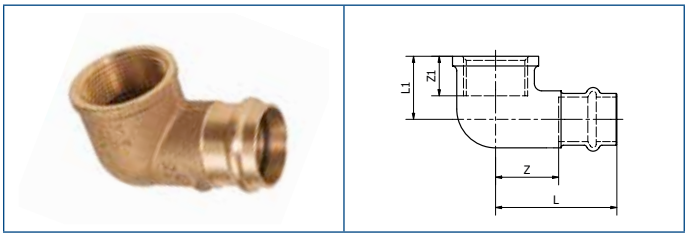
MPABPSOIL100ML
Fitting Lubricant

P4001G (ISO 7-1)
90° Bend with Male Thread



Code	Fitting size	L	L1	Z	Z1	S
P4001G01203000	12 x 3/8"	38	40	20	29.9	15
P4001G01204000	12 x 1/2"	37	44	19	31	17
P4001G01503000	15 x 3/8"	46	48	22	37.9	17
P4001G01504000	15 x 1/2"	45	48	21	34.8	20.5
P4001G01804000	18 x 1/2"	46	50	22	36.8	20.5
P4001G01806000	18 x 3/4"	47	56	23	41.5	27
P4001G02206000	22 x 3/4"	51	59	27	44.5	27
P4001G02808000	28 x 1"	58	72	34	55.2	36
P4001G03510000	35 x 1 1/4"	73	89	47	70	44
P4001G04212000	42 x 1 1/2"	93	97	52	78	52
P4001G05416000	54 x 2"	110	130	64	106.5	60

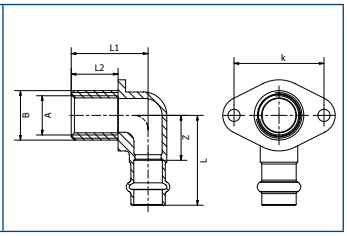
P4090G (ISO 7-1)
90° Elbow with Female Thread



Code	Fitting size	L	L1	Z	Z1
P4090G01203000	12 x 3/8"	39	19.5	21	11.4
P4090G01204000	12 x 1/2"	40	22.5	22	15
P4090G01503000	15 x 3/8"	46	19	22	11.4
P4090G01504000	15 x 1/2"	46	21	22	13.5
P4090G01506000	15 x 3/4"	50	26	26	16.3
P4090G01804000	18 x 1/2"	45	23.5	21	15
P4090G01806000	18 x 3/4"	50	26	26	16.3
P4090G02204000	22 x 1/2"	51	26	27	15
P4090G02206000	22 x 3/4"	52	27	28	16.3
P4090G02208000	22 x 1"	59	30	35	19.1
P4090G02808000	28 x 1"	59	34	35	19.1
P4090G03510000	35 x 1 1/4"	66	40	40	21.4
P4090G04212000	42 x 1 1/2"	77	44	36	21.4
P4090G05416000	54 x 2"	98	55	52	25.7

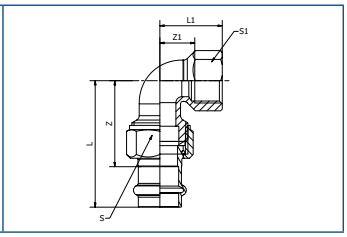
*All above measurements are in mm unless stated differently.

P4093G (ISO 228)
Wallplate Elbow Tank Connector



Code	Fitting size	A	B	L	L1	L2	Z	k
P4093G01504025	15 x 1/2 x 3/4 x 25	1/2"	3/4"	48	41	25	24	48
P4093G01504035	15 x 1/2 x 3/4 x 35	1/2"	3/4"	48	51	35	24	48

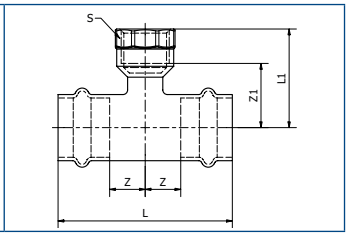
P4096G (ISO 228)
Female Bent Union



Code	Fitting size	L	L1	Z	Z1	S	S1
P4096G01204000	12 x 1/2"	57	33	39	18	29	27
P4096G01504000	15 x 1/2"	63.5	33	39.5	18	29	27
P4096G01804000	18 x 1/2"	64	33	40	18	29	27
P4096G01806000	18 x 3/4"	68	37	44	20.5	36.5	33
P4096G02206000	22 x 3/4"	74.5	37	50.5	20.5	36.5	33
P4096G02208000	22 x 1"	76.5	45	52.5	26	36.5	40
P4096G02808000	28 x 1"	82.5	47	58.5	28	45.5	40
P4096G03510000	35 x 1 1/4"	85.5	55	59.5	33.5	52	50.5
P4096G04212000	42 x 1 1/2"	100.5	59	59.5	37.5	58.5	55
P4096G05416000	54 x 2"	124.5	68	78.5	42.5	75	69

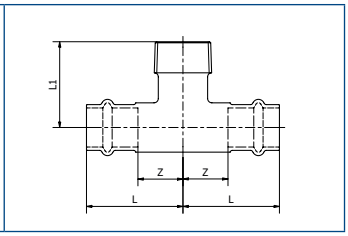
*All above measurements are in mm unless stated differently.

P4130G (ISO 7-1)
Tee with Female Threaded Branch



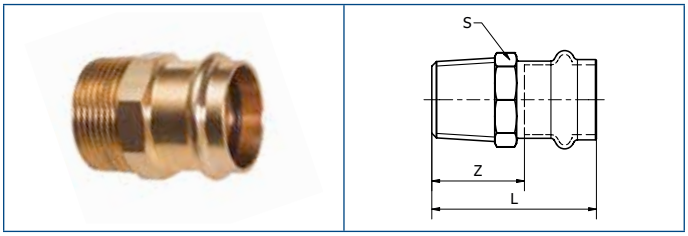
Code	Fitting size	L	L1	Z	Z1	S
P4130G01204012	12 x 1/2" x 12	80	35	22	20	26
P4130G01503015	15 x 3/8 "x 15	85	35	18.5	23.6	21
P4130G01504015	15 x 1/2" x 15	80	20	16	5	24
P4130G01804018	18 x 1/2" x 18	90	40	21	25	26
P4130G02204022	22 x 1/2" x 22	84	29	18	14	26
P4130G02206022	22 x 3/4" x 22	97	45	24.5	28.7	32
P4130G02804028	28 x 1/2" x 28	89	32	18.5	17	26
P4130G02806028	28 x 3/4" x 28	105	50	28.5	33.7	32
P4130G03504035	35 x 1/2" x 35	100	48	24	33	26
P4130G04204042	42 x 1/2" x 42	110	50	14	35	26
P4130G05404054	54 x 1/2" x 54	132	55	25	40	26

P4132G (ISO 7-1)
Male Branch Tee



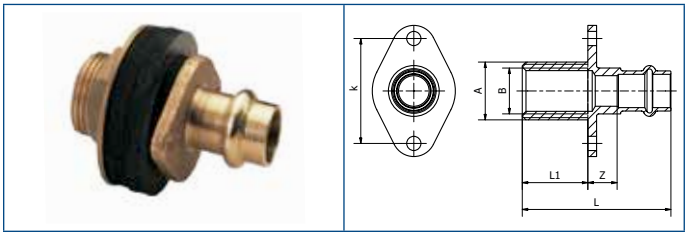
Code	Fitting size	L	L1	Z
P4132G01504015	15 x 1/2" x 15	90	40	21
P4132G01806018	18 x 3/4" x 18	90	40	21
P4132G02206022	22 x 3/4" x 22	97	50	24.5
P4132G02806028	28 x 3/4" x 28	100	45	26
P4132G03506035	35 x 3/4" x 35	100	50	24
P4132G04206042	42 x 3/4" x 42	110	50	14
P4132G05408054	54 x 1" x 54	138	64	23
P4132G05410054	54 x 1 1/4" x 54	144	66	26

*All above measurements are in mm unless stated differently.



P4243G (ISO 7-1)
Male Straight Connector

Code	Fitting size	L	Z	S
P4243G01203000	12 x 3/8"	35	17	17
P4243G01204000	12 x 1/2"	39	21	22
P4243G01403000	14 x 3/8"	39	16	19
P4243G01404000	14 x 1/2"	43	20	22
P4243G01406000	14 x 3/4"	50	27	28
P4243G01503000	15 x 3/8"	39	17	19
P4243G01504000	15 x 1/2"	43.5	19.5	22
P4243G01506000	15 x 3/4"	48.5	24.5	28
P4243G01604000	16 x 1/2"	43	20	22
P4243G01606000	16 x 3/4"	50	27	28
P4243G01804000	18 x 1/2"	43	19	22
P4243G01806000	18 x 3/4"	46.5	22.5	27
P4243G02204000	22 x 1/2"	46	22	27
P4243G02206000	22 x 3/4"	47	23	27
P4243G02208000	22 x 1"	52	28	34
P4243G02806000	28 x 3/4"	52	28	33
P4243G02808000	28 x 1"	53	29	34
P4243G02810000	28 x 1 1/4"	62	38	42
P4243G03508000	35 x 1"	52	26	40
P4243G03510000	35 x 1 1/4"	57	31	43
P4243G03512000	35 x 1 1/2"	61	35	50
P4243G04210000	42 x 1 1/4"	65	24	48
P4243G04212000	42 x 1 1/2"	62.5	29.5	50
P4243G05412000	54 x 1 1/2"	74.5	28.5	62
P4243G05416000	54 x 2"	77	31	62

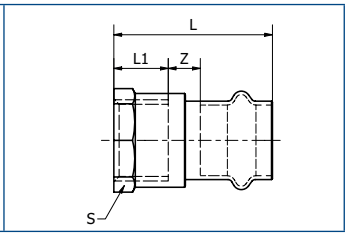


P4244G (ISO 228)
Straight Tank Connector

Code	Fitting size	A	B	L	L1	Z	k
P4244G01504030	15 x 1/2 x 3/4 x 30	1/2"	3/4"	68	30	14	48

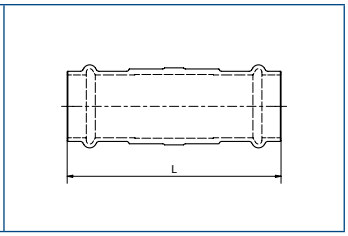
*All above measurements are in mm unless stated differently.

P4270G (ISO 7-1)
Female Straight Connector



Code	Fitting size	L	min L1	Z	S
P4270G01203000	12 x 3/8"	32	11.4	2.6	20.5
P4270G01204000	12 x 1/2"	39	15	2	26
P4270G01403000	14 x 3/8"	37	11.4	2.6	20.5
P4270G01404000	14 x 1/2"	44	15	6	26
P4270G01406000	14 x 3/4"	45	16.3	5.7	30.5
P4270G01503000	15 x 3/8"	37.5	11.4	2.1	20.5
P4270G01504000	15 x 1/2"	41	15	2	26
P4270G01506000	15 x 3/4"	45	16.3	4.7	30.5
P4270G01606000	16 x 3/4"	44	16.3	4.7	30.5
P4270G01804000	18 x 1/2"	41	15	2	26
P4270G01806000	18 x 3/4"	45	16.3	4.7	30.5
P4270G02204000	22 x 1/2"	44	15	5	26
P4270G02206000	22 x 3/4"	45.5	16.3	5.2	30.5
P4270G02208000	22 x 1"	48	19.1	4.9	37.5
P4270G02806000	28 x 3/4"	47	16.3	6.7	33
P4270G02808000	28 x 1"	50.5	19.1	7.4	37.5
P4270G02810000	28 x 1 1/4"	56.5	21.4	11.1	47
P4270G03508000	35 x 1"	48	19.1	2.9	40
P4270G03510000	35 x 1 1/4"	54	21.4	6.6	47
P4270G04210000	42 x 1 1/4"	65	21.4	2.6	47
P4270G04212000	42 x 1 1/2"	68	21.4	5.6	55
P4270G05416000	54 x 2"	74	25.7	2.3	70

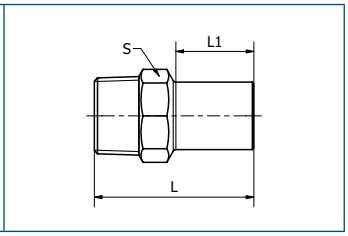
P4275
Slip Coupler Long



Code	Fitting size	L
P4275 01200000	12	64
P4275 01400000	14	80
P4275 01500000	15	80
P4275 01600000	16	80
P4275 01800000	18	80
P4275 02200000	22	85
P4275 02800000	28	95
P4275 03500000	35	105
P4275 04200000	42	120
P4275 05400000	54	136

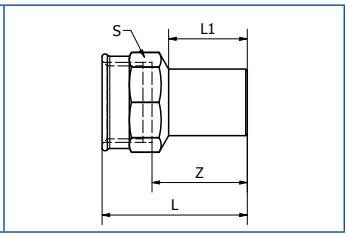
*All above measurements are in mm unless stated differently.

P4280G (ISO 7-1)
Male Adaptor



Code	Fitting size	L	min L1	S
P4280G01204000	12 x 1/2"	39	12.5	22
P4280G01504000	15 x 1/2"	49	16	22
P4280G01804000	18 x 1/2"	48	18	22
P4280G01806000	18 x 3/4"	46	18	21
P4280G02204000	22 x 1/2"	43	18.5	22
P4280G02206000	22 x 3/4"	52	20	28
P4280G02808000	28 x 1"	52	20.5	34
P4280G03510000	35 x 1 1/4"	59.5	20	43

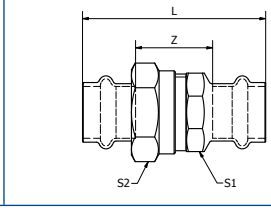
P4281G (ISO 7-1)
Female Adaptor



Code	Fitting size	L	L1	Z	S
P4281G01204000	12 x 1/2"	41	20	26	25
P4281G01504000	15 x 1/2"	48	26	33	26
P4281G01804000	18 x 1/2"	45.5	26	30.5	26
P4281G01806000	18 x 3/4"	49	26	33	30.5
P4281G02204000	22 x 1/2"	45	26	38	26
P4281G02206000	22 x 3/4"	48	26	31.5	30.5
P4281G02806000	28 x 3/4"	46	26	30	30.5
P4281G02808000	28 x 1"	51	26	32	37.5
P4281G03508000	35 x 1"	51	28	32	37.5
P4281G03510000	35 x 1 1/4"	55.5	28	34	50

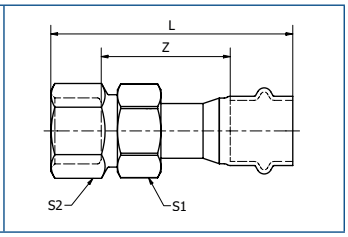
*All above measurements are in mm unless stated differently.

P4330
Union



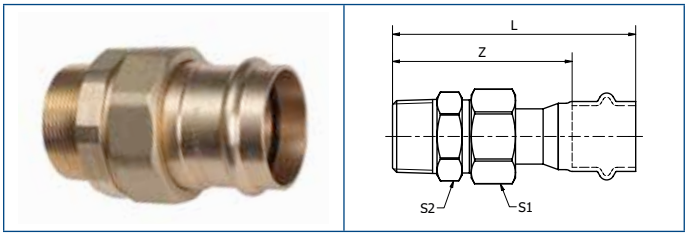
Code	Fitting size	L	Z	S1	S2
P4330 01200000	12	65	29	25	31
P4330 01500000	15	78.5	29	25	30.5
P4330 01800000	18	78.5	29	25	30.5
P4330 02200000	22	89	36.5	31	41
P4330 02800000	28	96.5	45.5	39	48.5
P4330 03500000	35	99.5	52	45	45.5
P4330 04200000	42	119.5	58.5	50	37.5
P4330 05400000	54	143	75	70	51

P4330G (ISO 7-1)
Female Straight Union Connector



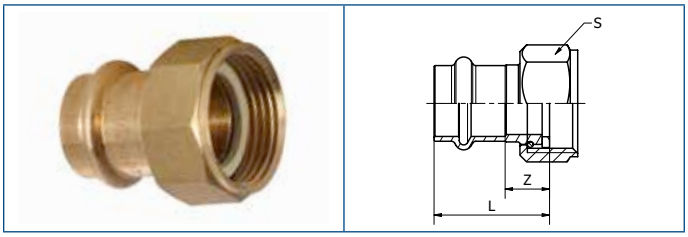
Code	Fitting size	L	Z	S1	S2
P4330G01204000	12 x 1/2"	56.5	38.5	29	27
P4330G01504000	15 x 1/2"	63	39	29	27
P4330G01506000	15 x 3/4"	67.5	43.5	29	30.5
P4330G01804000	18 x 1/2"	61.5	37.5	29	27
P4330G01806000	18 x 3/4"	68	44	29	30.5
P4330G02206000	22 x 3/4"	71.5	47.5	36.5	36
P4330G02208000	22 x 1"	81	57	36.5	40
P4330G02808000	28 x 1"	77	53	45.5	42
P4330G03510000	35 x 1 1/4"	80.5	54.5	52	50
P4330G04212000	42 x 1 1/2"	89.5	48.5	58.5	55
P4330G05416000	54 x 2"	95	49	75	70

*All above measurements are in mm unless stated differently.



P4331G (ISO 7-1)
Male Straight Union Connector

Code	Fitting size	L	Z	S1	S2
P4331G01203000	12 x 3/8"	56	38	29	27
P4331G01204000	12 x 1/2"	59	41	29	27
P4331G01504000	15 x 1/2"	65.5	41.5	29	27
P4331G01506000	15 x 3/4"	69	45	29	27
P4331G01804000	18 x 1/2"	64	40	29	27
P4331G01806000	18 x 3/4"	69.5	45.5	29	27
P4331G02204000	22 x 1/2"	72.5	48.5	36.5	33
P4331G02206000	22 x 3/4"	74.	50	36.5	33.5
P4331G02208000	22 x 1"	77	53	36.5	33.5
P4331G02808000	28 x 1"	80	56	45.5	44
P4331G03510000	35 x 1 1/4"	85	59	52	50
P4331G04212000	42 x 1 1/2"	94.5	53.5	58.5	55
P4331G05416000	54 x 2"	117	71	75	72

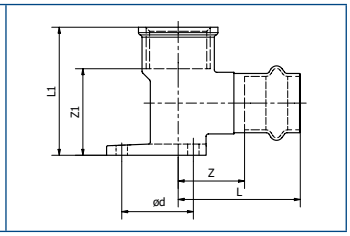


P4355 (ISO 228)
Flat Face Connector

Code	Fitting size	L	Z	S
P4355 01203000	12 x 3/8"	38	20	20
P4355 01204000	12 x 1/2"	38.5	20.5	24
P4355 01403000	14 x 3/8"	38.5	14.5	19
P4355 01404000	14 x 1/2"	41	16	24
P4355 01504000	15 x 1/2"	42	16	24
P4355 01506000	15 x 3/4"	34.5	10.5	29
P4355 01604000	16 x 1/2"	42	16.5	24
P4355 01606000	16 x 3/4"	34.5	11.5	29
P4355 01806000	18 x 3/4"	35	11	29
P4355 02206000	22 x 3/4"	52	28	29
P4355 02208000	22 x 1"	38.5	14.5	36.5
P4355 02810000	28 x 1 1/4"	42.5	18.5	45.5
P4355 03512000	35 x 1 1/2"	41.5	15.5	52
P4355 04214000	42 x 1 3/4"	48.5	41	58.5
P4355 05419000	54 x 2 3/8"	62	16.5	75

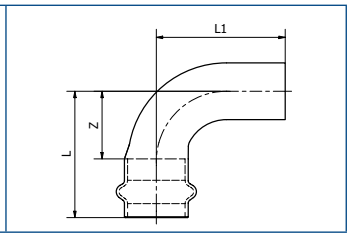
*All above measurements are in mm unless stated differently.

P4471G (ISO 7-1)
Wall Plate Elbow



Code	Fitting size	L	L1	Z	Z1	ød
P4471G01204000	12 x 1/2"	40	33	22	18	40
P4471G01504000	15 x 1/2"	46	32.5	22	21	40
P4471G01804000	18 x 1/2"	45	36.5	21	21.5	40
P4471G02206000	22 x 3/4	52	48	28	31.7	50

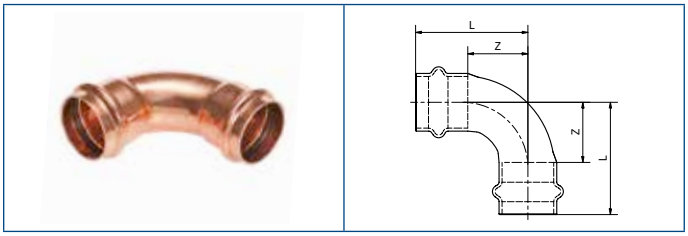
P5001
90° Street Bend



Code	Fitting size	L	L1	Z
P5001 01200000	12	33	35	15
P5001 01400000	14	37.5	39.5	15.5
P5001 01500000	15	38	44	16
P5001 01600000	16	40	42	18
P5001 01800000	18	40	46	18
P5001 02200000	22	42	52	19
P5001 02800000	28	55	60	31
P5001 03500000	35	59	70	41
P5001 04200000	42	87	89	51
P5001 05400000	54	105	107	65

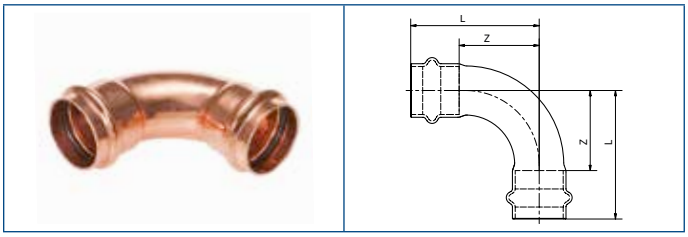
*All above measurements are in mm unless stated differently.

P5002
90° Bend



Code	Fitting size	L	Z
P5002 01200000	12	33	15
P5002 01400000	14	37.5	15.5
P5002 01500000	15	38	16
P5002 01600000	16	40	18
P5002 01800000	18	44	22
P5002 02200000	22	42	19
P5002 02800000	28	55	31
P5002 03500000	35	69	43
P5002 04200000	42	87	51
P5002 05400000	54	105	65

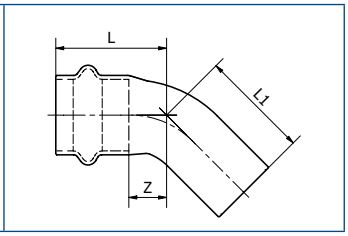
P5002L
90° Bend Long



Code	Fitting size	L	Z
P5002L01500000	15	40	18
P5002L01800000	18	44	22
P5002L02200000	22	50	27
P5002L02800000	28	58	34

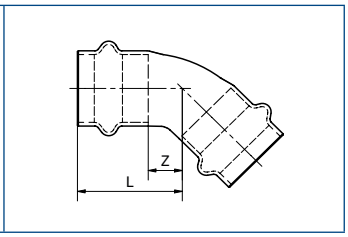
*All above measurements are in mm unless stated differently.

P5040
45° Obtuse Street Bend



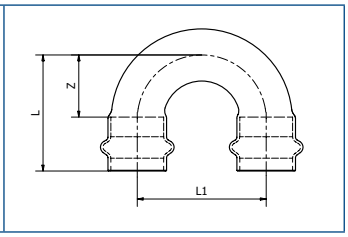
Code	Fitting size	L	L1	Z
P5040 01200000	12	24	26	6
P5040 01400000	14	30	32	8
P5040 01500000	15	30	32	8
P5040 01600000	16	30	32	8
P5040 01800000	18	31	33	9
P5040 02200000	22	34	36	11
P5040 02800000	28	38	40	14
P5040 03500000	35	44	46	18
P5040 04200000	42	57	59	21
P5040 05400000	54	67	69	27

P5041
45° Obtuse Elbow



Code	Fitting size	L	Z
P5041 01200000	12	24	6
P5041 01400000	14	28	6
P5041 01500000	15	30	8
P5041 01600000	16	30	8
P5041 01800000	18	31	9
P5041 02200000	22	34	11
P5041 02800000	28	38	14
P5041 03500000	35	44	18
P5041 04200000	42	57	21
P5041 05400000	54	67	27

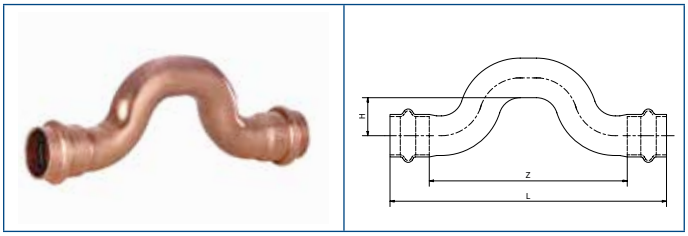
P5060
Return Bend



Code	Fitting size	L	L1	Z
P5060 02200000	22	58	60	35

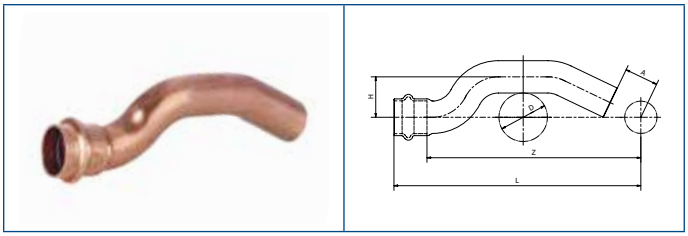
*All above measurements are in mm unless stated differently.

P5085
Crossover Coupler



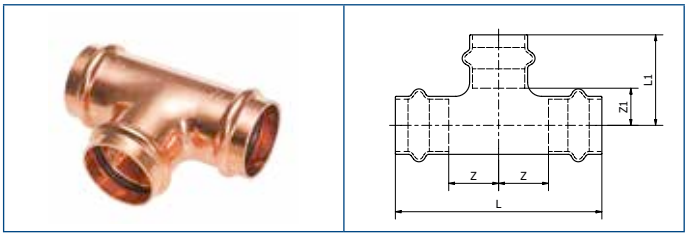
Code	Fitting size	L	Z	H
P5085 01500000	15	134	90	28
P5085 01800000	18	144	100	29
P5085 02200000	22	162	116	54

P5086
45° Crossover Street



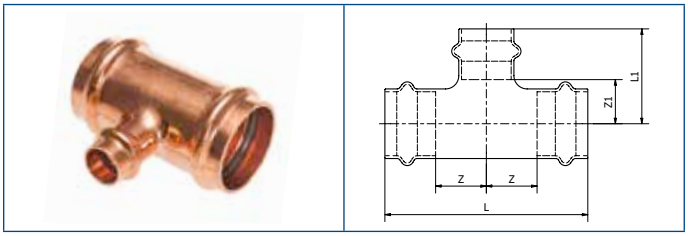
Code	Fitting size	D	L	Z	H	A
P5086 01200000	12	24	126	108	18	24
P5086 01500000	15	25	139	117	20	18
P5086 02200000	18	27	145	123	22.5	22
P5086 02800000	22	33	168	145	27.5	23

P5130
Tee - Equal



Code	Fitting size	L	L1	Z	Z1
P5130 01212012	12 x 12 x 12	72	28	18	10
P5130 01414014	14 x 14 x 14	78	33	17	11
P5130 01515015	15 x 15 x 15	82	33	19	11
P5130 01616016	16 x 16 x 16	80	34	18	12
P5130 01818018	18 x 18 x 18	84	38	17	13
P5130 02222022	22 x 22 x 22	90	37.5	20	13
P5130 02828028	28 x 28 x 28	96	43	24	19
P5130 03535035	35 x 35 x 35	98	48	26	22
P5130 04242042	42 x 42 x 42	130	65	29	29
P5130 05454054	54 x 54 x 54	150	75	35	35

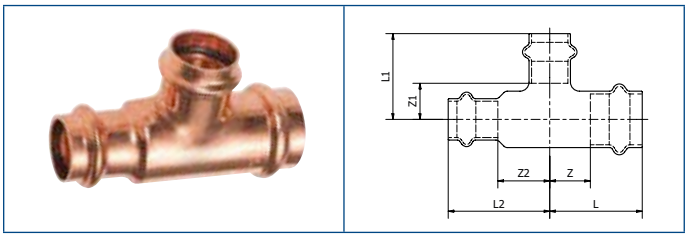
*All above measurements are in mm unless stated differently.



P5130RB
Tee - Reduced Branch

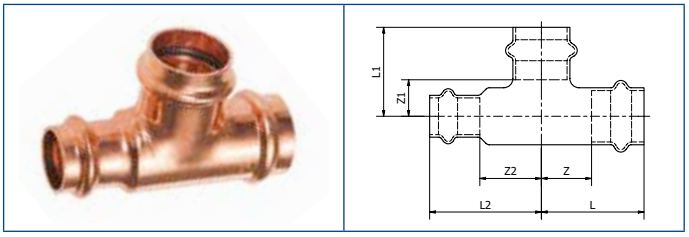
Code	Fitting size	L	L1	Z	Z1
P5130 01412014	14 x 12 x 14	78	29	17	11
P5130 01512015	15 x 12 x 15	77.5	31	16.5	11
P5130 01612016	16 x 12 x 16	78	29	17	11
P5130 01614016	16 x 14 x 16	78	35	17	13
P5130 01812018	18 x 12 x 18	64	35.5	10	13
P5130 01814018	18 x 14 x 18	84	36	20	13
P5130 01815018	18 x 15 x 18	84	36	20	13
P5130 01816018	18 x 16 x 18	85	36	20.5	13
P5130 02212022	22 x 12 x 22	65	37.5	9.5	13
P5130 02214022	22 x 14 x 22	80	37	17	13
P5130 02215022	22 x 15 x 22	80	37	17	13
P5130 02216022	22 x 16 x 22	80	38	17	13
P5130 02218022	22 x 18 x 22	82	43	18	13
P5130 02815028	28 x 15 x 28	81	41	16.5	19
P5130 02818028	28 x 18 x 28	83	41	17.5	19
P5130 02822028	28 x 22 x 28	91	43	20	19
P5130 03515035	35 x 15 x 35	74	44	11	22
P5130 03518035	35 x 18 x 35	78.4	44.2	14	22
P5130 03522035	35 x 22 x 35	80	46	14	22
P5130 03528035	35 x 28 x 35	88.5	46	18	22
P5130 04222042	42 x 22 x 42	103	52	16.5	29
P5130 04228042	42 x 28 x 42	111	59	20.5	29
P5130 04235042	42 x 35 x 42	113.5	56	20.5	29
P5130 05422054	54 x 22 x 54	102	57	11	35
P5130 05428054	54 x 28 x 54	109	58	14.5	35
P5130 05435054	54 x 35 x 54	124	61	17.5	35
P5130 05442054	54 x 42 x 54	129	76	24.5	35

*All above measurements are in mm unless stated differently.



P5130REB
Tee - Reduced End and Branch

Code	Fitting size	L	L1	L2	Z	Z1	Z2
P5130 01412012	14 x 12 x 12	31.5	29	31.5	9.5	11	13.5
P5130 01512012	15 x 12 x 12	32	31.5	34.5	10	11	16.5
P5130 01614014	16 x 14 x 14	41.5	35.5	42.5	19.5	13.5	20.5
P5130 01815015	18 x 15 x 15	41.5	35.5	42.5	19.5	13	20.5
P5130 02215015	22 x 15 x 15	40	35	43	17	13	21
P5130 02215018	22 x 15 x 18	34	37	38.5	11	15	16.5
P5130 02218015	22 x 18 x 15	36	37.5	42	13	15.5	20
P5130 02218018	22 x 18 x 18	40	37.5	41	17	13	19
P5130 02815022	28 x 15 x 22	35	41	40	11	19	18
P5130 02818022	28 x 18 x 22	37.5	41.5	42	13.5	19.5	19
P5130 02822022	28 x 22 x 22	40	41	44	16	19	21
P5130 03522028	35 x 22 x 28	41	44	46	15	22	22
P5130 03528028	35 x 28 x 28	44	45	52	18	22	28
P5130 04235035	42 x 35 x 35	58	55	56	22	29	30
P5130 05442042	54 x 42 x 42	67.5	71.5	74.5	27.5	35	38.5

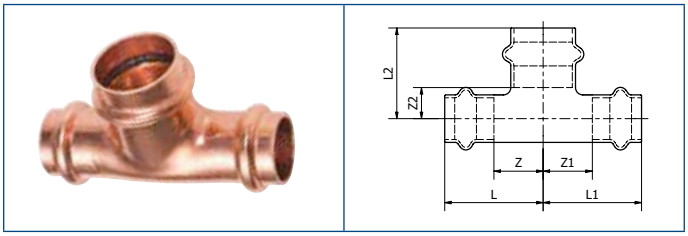


P5130RE
Tee - Reduced End

Code	Fitting size	L	L1	L2	Z	Z1	Z2
P5130 01616014	16 x 16 x 14	41.5	33.8	42.5	19.5	11.8	20.5
P5130 01818015	18 x 18 x 15	41.5	36.5	42.5	19.5	13	20.5
P5130 02222015	22 x 22 x 15	43	37	46	20	13	24
P5130 02222018	22 x 22 x 18	45	38	45.5	22	15	23.5
P5130 02828015	28 x 28 x 15	41	41	49	17	19	27
P5130 02828018	28 x 28 x 18	43.5	43.5	49.5	19.5	19.5	27.5
P5130 02828022	28 x 28 x 22	43	43	48	19	19	25

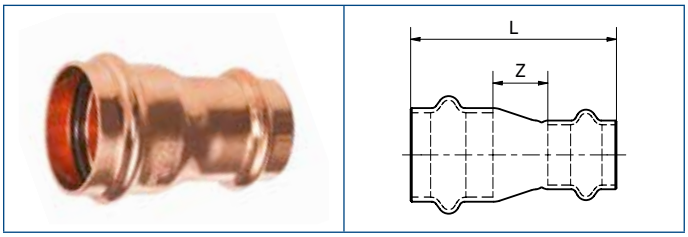
*All above measurements are in mm unless stated differently.

P5130RBE
Tee - Reduced Both Ends



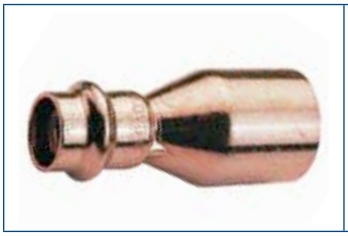
Code	Fitting size	L	L1	L2	Z	Z1	Z2
P5130 01215012	12 x 15 x 12	32	32	32	14	14	10
P5130 01416014	14 x 16 x 14	38	38	33	38	38	11
P5130 01518015	15 x 18 x 15	38	38	33	16	16	11
P5130 01522015	15 x 22 x 15	41	41	34	19	19	11
P5130 01822018	18 x 22 x 18	40	40	36	18	18	13
P5130 02228022	22 x 28 x 22	45.5	45.5	39	22.5	22.5	13

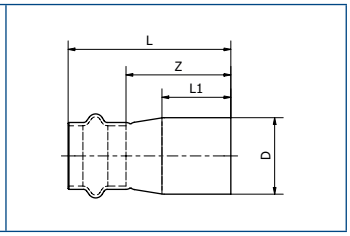
P5240
Reduced Straight Coupler



Code	Fitting size	L	Z
P5240 01412000	14 x 12	49	9
P5240 01512000	15 x 12	48	8
P5240 01614000	16 x 14	51	6
P5240 01814000	18 x 14	54.5	10.5
P5240 01815000	18 x 15	53	9
P5240 01816000	18 x 16	54.5	10.5
P5240 02214000	22 x 14	57.5	12.5
P5240 02215000	22 x 15	55	10
P5240 02216000	22 x 16	54	9.5
P5240 02218000	22 x 18	54.5	9
P5240 02822000	28 x 22	58	11
P5240 03528000	35 x 28	63	13
P5240 04235000	42 x 35	77	15
P5240 05442000	54 x 42	96	20

*All above measurements are in mm unless stated differently.



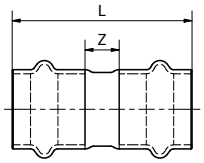


P5243
Fitting Reducer

Code	Fitting size	D	L	L1	Z
P5243 01412000	14 x 12	14	43.5	24	25.5
P5243 01512000	15 x 12	15	50	24	32
P5243 01612000	16 x 12	16	49	22	31
P5243 01614000	16 x 14	16	48.5	24	26
P5243 01812000	18 x 12	18	53	24	35
P5243 01814000	18 x 14	18	53	24	27
P5243 01815000	18 x 15	18	49	24	27
P5243 01816000	18 x 16	18	49	24	27
P5243 02214000	22 x 14	22	56	25	34
P5243 02215000	22 x 15	22	56	25	34
P5243 02216000	22 x 16	22	56	26	34
P5243 02218000	22 x 18	22	55	26	33
P5243 02815000	28 x 15	28	68	26	46
P5243 02816000	28 x 16	28	69	26	46
P5243 02818000	28 x 18	28	66	26	44
P5243 02822000	28 x 22	28	57	26	34
P5243 03522000	35 x 22	35	71	28	48
P5243 03528000	35 x 28	35	64	28	40
P5243 04222000	42 x 22	42	89	38	66
P5243 04228000	42 x 28	42	87	38	63
P5243 04235000	42 x 35	42	83	38	57
P5243 05435000	54 x 35	54	98	42	72
P5243 05442000	54 x 42	54	99	42	63

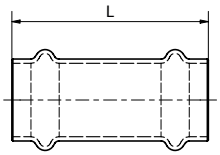
*All above measurements are in mm unless stated differently.

P5270
Straight Coupler



Code	Fitting size	L	Z
P5270 01200000	12	42	6
P5270 01400000	14	50	6
P5270 01500000	15	50	6
P5270 01600000	16	50	6
P5270 01800000	18	54	10
P5270 02200000	22	56	10
P5270 02800000	28	58	10
P5270 03500000	35	62	10
P5270 04200000	42	84	12
P5270 05400000	54	92	12

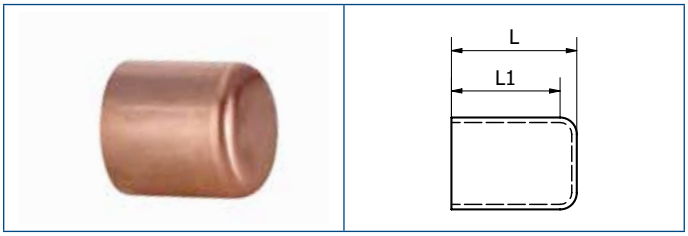
P5270S
Slip Coupler



Code	Fitting size	L
P5270S01200000	12	42
P5270S01500000	15	50
P5270S01600000	16	50
P5270S01800000	18	54
P5270S02200000	22	56
P5270S02800000	28	58
P5270S03500000	35	62
P5270S04200000	42	84
P5270S05400000	54	92

*All above measurements are in mm unless stated differently.

P5290
Male Stop End



Code	Fitting size	L	L1
P5290 01200000	12	25	21
P5290 01500000	15	29	25
P5290 01800000	18	29	25
P5290 02200000	22	30	26
P5290 02800000	28	31	27
P5290 03500000	35	34	29
P5290 04200000	42	45	40
P5290 05400000	54	49	43

P5301
Stop End

Code	Fitting size	L	L1
P5301 01200000	12	20.5	17.5
P5301 01400000	14	25	21.5
P5301 01500000	15	25	21.5
P5301 01600000	16	25	21.5
P5301 01800000	18	22	21.5
P5301 02200000	22	23.5	22.5
P5301 02800000	28	24	23.5
P5301 03500000	35	29	25
P5301 04200000	42	38.5	35
P5301 05400000	54	40.5	39

Fitting Lubricant for O-ring

Code	Size
MPABPSOIL100ML	100 ml

*All above measurements are in mm unless stated differently.

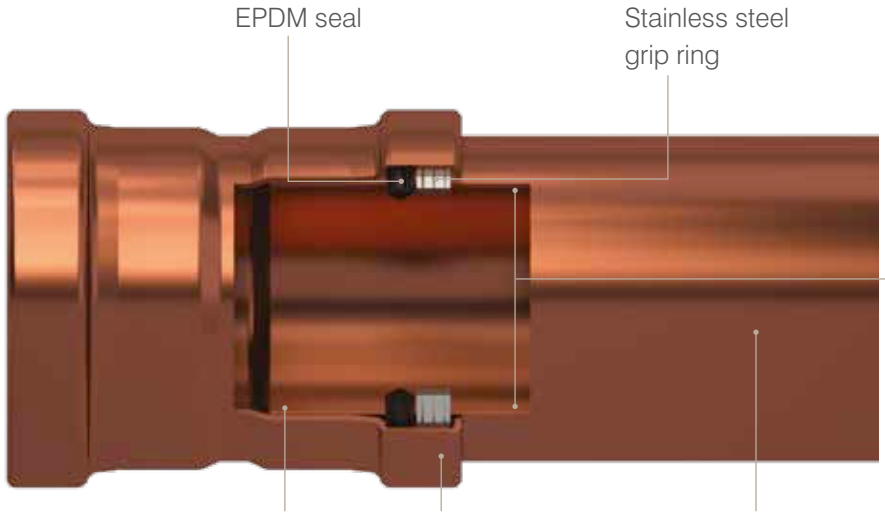
Conex | Bänninger

>B< Press XL

>B< Press XL

64 to 108 mm

3.1 >B< Press XL Copper Fittings



The action of the pressing ring closes the joint and forces the grip ring teeth into the tube making a high strength connection.

3.1.1 Product features

>B< Press XL has only two internal parts, the grip ring and the seal. Both parts have an internal diameter larger than the tube, which allows for easy tube insertion and pre-press leak indication.

3.1.2 Stainless steel grip ring

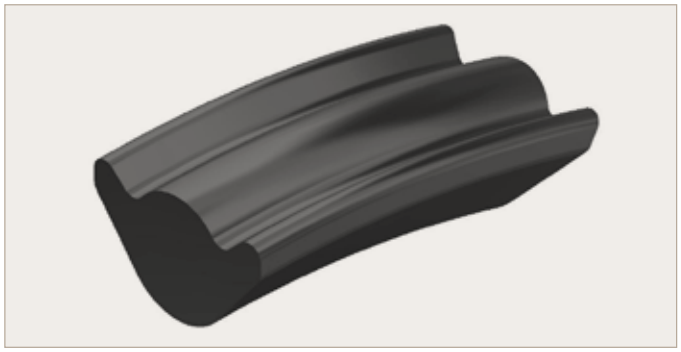
The full circumference grip ring ensures all round equal grip on the tube and an even seal compression between tube and fitting after pressing.

Stainless steel grip ring

3.1.3 Seal design

The triple point seal on the pressed fitting body counters any pressing distortion and gives greater seal contact area on the tube. The seal is self setting to ensure correct functioning. Seal security and longevity are increased as a result.

Fitting section



Triple point seal

3.2 Compatible Press Tools

3.2.1 Tool chart

Table 13

64 to 108 mm Standard Machines			
Manufacturer	Press machine	Press sling/ chain/ collar/ ring	Jaw profile
Rems	Power-Press / Akku-Press	Rems slings + z5 adaptor	VF
	Power Press XL ACC		
Novopress	ECO / ACO202 / 203	Novopress - Collars + ZB202 adaptor	V
	ACO202XL / 203XL		
Klauke	UAP2 / UAP3L / UAP332	Klauke - Chains QC + SBKQC adaptor	VXL
	UAP4 / UAP4L / UAP432		
Viega	Pressgun 5 / 6	Viega Press Chains + Z2 adaptor	PT2

For manufacturer cross compatibility please refer to the website - www.conexbanninger.com

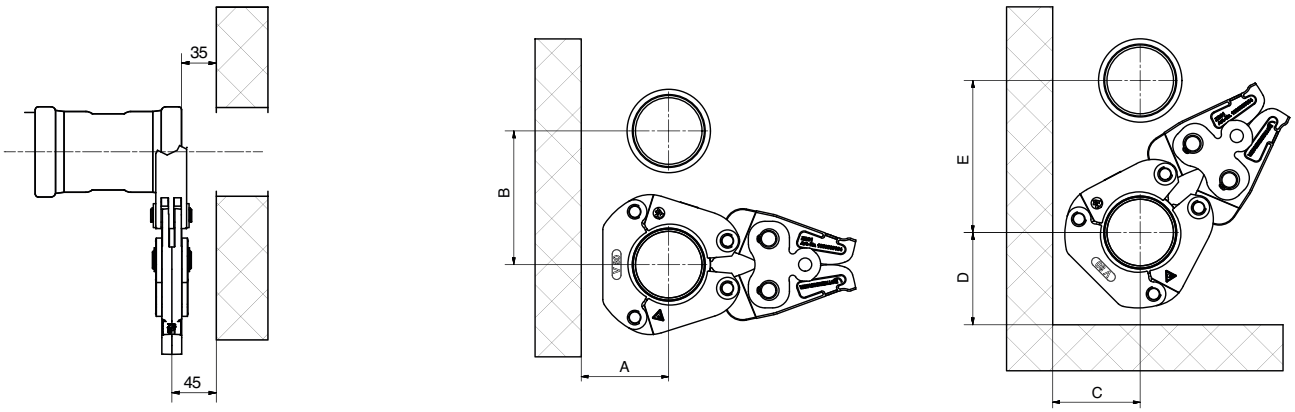
3.3 Installation Requirements

3.3.1 Space required for the pressing process

The following minimum clearances from structural components are required to allow operation of tool for press fitting.

Table 14

Size (mm)	Minimum clearance required for the pressing process				
	A	B	C	D	E
64	100	145	100	100	165
66.7	100	145	100	100	165
76.1	100	145	100	100	165
88.9	115	165	115	120	185
108	125	185	125	130	210

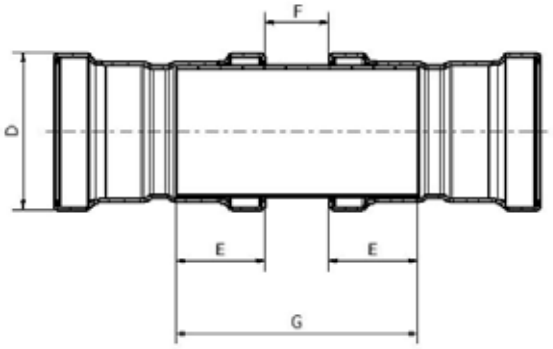


3.3.2 Minimum distances between pressings

Due to reforming of the tube profile when pressed, it is advised that a minimum distance is allowed between each fitting.

Table 15

Size (mm)	D	E	F	G
64	78.2	43.5	30	117
66.7	80.6	44	30	118
76.1	90.2	50	40	140



3.3.3 Minimum distance for press fittings from an existing brazed joint

To ensure proper sealing of both brazed and pressed joints, the following minimum distances must be maintained. Please see Table 16 for further information.

Table 16

Minimum distance from a brazed joint	
Tube size	mm
64	30
66.7	30
76.1	40
88.9	50
108	50

3.3.4 Minimum brazing distance to an existing pressed fitting

Caution: Brazing or soldering near >B< Press joints should be avoided as this may cause the seal to degrade due to heat transfer. Table 17 states the minimum distance away from the press joint acceptable to braze. If this distance cannot be maintained then adequate precautions must be taken such as fabricating the brazed section prior to assembly with the press fittings, wrapping in a wet rag or applying a hot block, to prevent heat transfer to the press fitting during brazing.

Table 17

Minimum distance brazing	
Tube size	mm
64	1600
66.7	2000
76.1	2000
88.9	2000
108	2000

3.3.5 >B< Press XL tube compatibility table

Table 18

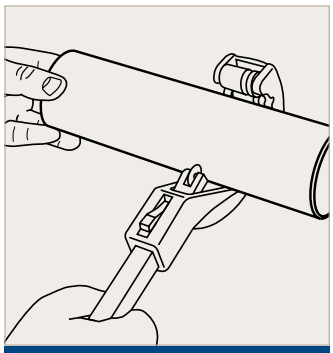
Tube wall thickness (mm)						
Tube O/D	Copper - R220		Copper - R250		Copper - R290	
64	–	–	–	–	2.0	–
66.7	–	–	1.2	–	–	–
76.1	–	–	1.5	–	1.5	2.0
88.9	–	–	–	–	–	2.0
108	–	–	1.5*	–	1.5*	2.5

*108 x 1.5 mm - additional requirement over EN 1057, the minimum wall thickness must not be below 1.4 mm.


Remove
after
pressing
Water

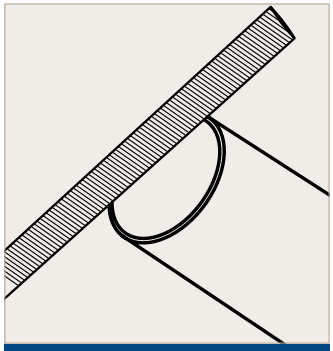
3.4 >B< Press XL Installation Process

To install >B< Press XL, a press tool, actuator and compatible sized press ring to fit each size fitting is required.
When force is exerted through the press tool a permanent joint is made and the fitting cannot be disassembled or reused.



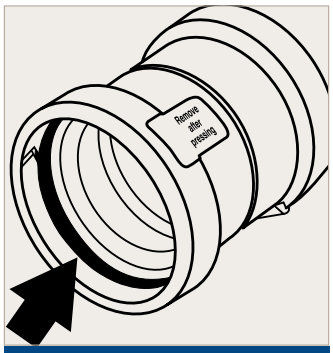
1. Cut tube to length

- We recommend you use a rotary tube cutter. It is important to ensure that the tube is cut completely square.
- Tube ends should be clean and free from scratches no less than the socket length.



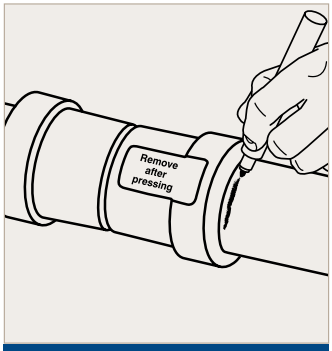
2. Deburr

- Make sure that the internal and external tube end is free from burrs or sharp edges by using a half round file or deburring tool.
- Then wipe the tube end clean to avoid damaging the seal on tube insertion.



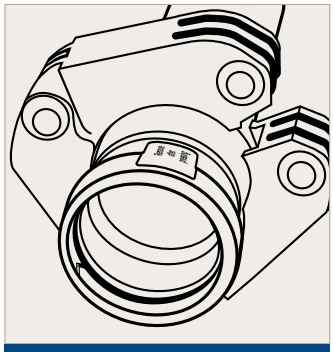
3. Check the fittings

- Before inserting the tube check seal for correct placement, damage or any ingress of debris.
- To prevent this occurring we recommend the fittings are retained in packaging up to the point of use.



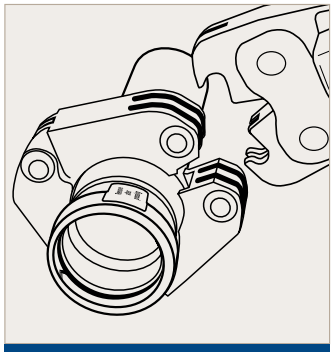
4. Mark the insertion depth

- The tube must be fully inserted into the fitting until it reaches the tube stop in order to make a perfect joint.
- Marking insertion depth will ensure that any tube movement is detected, which is especially important if the joints are to be pressed at a later time.
- The depth marking must be visible on the pressed fitting.



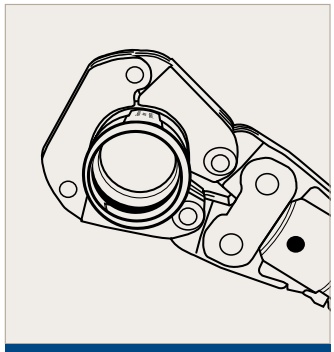
5. Fit the pressing ring

- Using the appropriate size pressing ring, open the pressing ring, locate on the fitting bead and close the pressing ring.



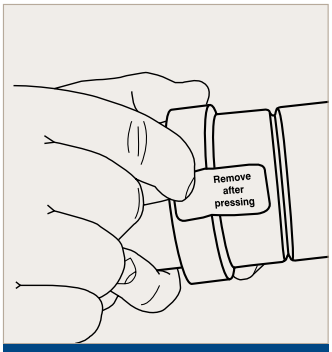
6. Engage the actuator and check insertion depth

- With the actuator fitted in the press tool open the actuator and locate the actuator onto the aperture of the pressing ring.
- Check for any tube movement prior to pressing.



7. Press the joint

- Depress and hold the trigger of the tool until the press cycle of the tool is automatically completed. Keep hands clear of the press actuator and press ring until the cycle is completed.
- Do not repress the fitting.



8. Joint completion

- Remove the actuator from the press ring, remove the press ring from the tube and remove the label to indicate the joint is pressed and complete.

Important

It is important to keep the fitting free of any dust or dirt, and to ensure the seal stays lubricated and protected from damage. Select the correct size of tube and fitting for the job. Ensure that both are clean and free from damage and imperfections. When using a press tool always wear ear and eye protection.

3.5 The Range

P5001
90° Street Bend

P5002
90° Bend

P5040
45° Obtuse Street Elbow

P5041
45° Obtuse Elbow

P5130
Tee - Equal

P5130G
Tee with Female Threaded Branch

P5130RB
Tee - Reduced Branch

P5230B
PN16 Flange

P5243
Fitting Reducer

P5243G
Male Threaded Straight Connector

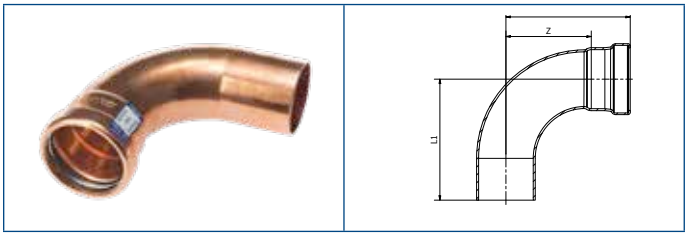
P5270
Straight Connector

P5270G
Threaded Female Straight Connector

P5275
Repair Coupling

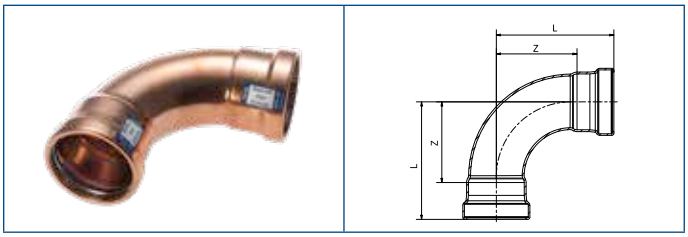
P5301
Stop End

P5001
90° Street Bend



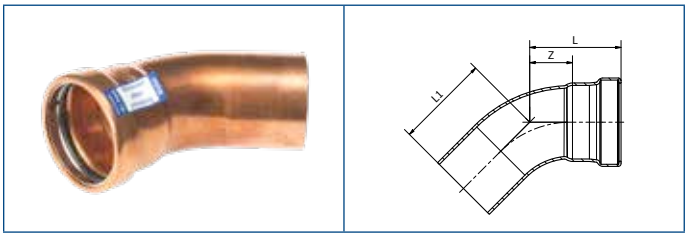
Code	Fitting size	L	L1	Z
P5001 06400000	64	133.5	140	90
P5001 06700000	66.7	141	137	97
P5001 07600000	76.1	155	167	105
P5001 08900000	88.9	168	180	117
P5001 10800000	108	205.5	217	145

P5002
90° Bend



Code	Fitting size	L	Z
P5002 06400000	64	133.5	90
P5002 06700000	66.7	141	97
P5002 07600000	76.1	155	105
P5002 08900000	88.9	168	117
P5002 10800000	108	205.5	145

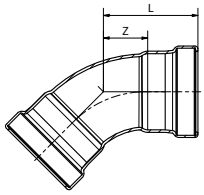
P5040
45° Obtuse Street Elbow



Code	Fitting size	L	L1	Z
P5040 06400000	64	79.5	86.5	36
P5040 06700000	66.7	83	85.5	39
P5040 07600000	76.1	95	100	45
P5040 08900000	88.9	101	106.5	50
P5040 10800000	108	115.5	127	55

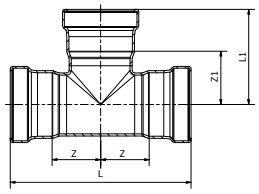
*All above measurements are in mm unless stated differently.

P5041
45° Obtuse Elbow



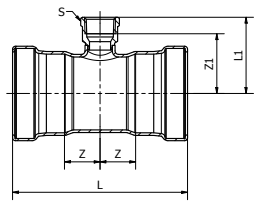
Code	Fitting size	L	Z
P5041 06400000	64	79.5	36
P5041 06700000	66.7	83	39
P5041 07600000	76.1	95	45
P5041 08900000	88.9	101	50
P5041 10800000	108	115.5	55

P5130
Equal Tee



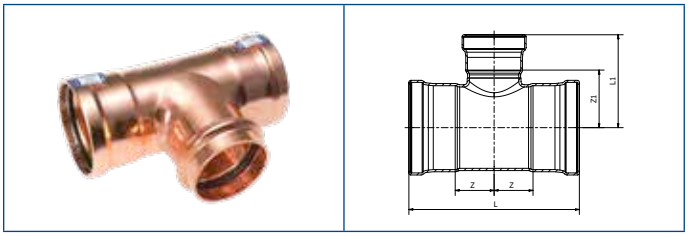
Code	Fitting size	L	L1	Z	Z1
P5130 06400000	64	179	88	46	44
P5130 06700000	66.7	191	96	51.5	52
P5130 07600000	76.1	207	103	53.5	53
P5130 08900000	88.9	216.5	111	57	60
P5R 108108108	108	265	130	72	69.5

P5130G (ISO 7-1)
Tee with Female Threaded Branch



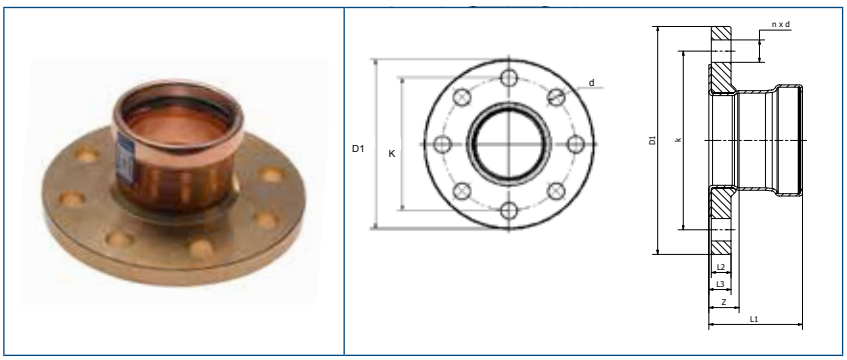
Code	Fitting Size	L	L1	Z	Z1	S
P5130G06406640	64 x 3/4" x 64	144	60	28.5	45.5	31
P5130G06408640	64 x 1" x 64	151	64	32	47	40
P5130G06416640	64 x 2" x 64	179	66	46	45.5	66.5
P5130G06706670	66.7 x 3/4" x 66.7	150	60	31	45.5	31
P5130G06716670	66.7 x 2" x 66.7	185	66	48.5	45.5	66.5
P5130G07606760	76.1 x 3/4" x 76.1	162.5	65	31	50.5	31
P5130G07616760	76.1 x 2" x 76.1	197.5	71	48.5	50	66.5
P5130G08906890	88.9 x 3/4" x 88.9	160.5	71.5	29	57	31
P5130G8916890	88.9 x 2" x 88.9	195.5	77.5	46.5	57	66.5
P5RG108061080	108 x 3/4" x 108	190	82	34.5	67.5	31
P5RG108161080	108 x 2" x 108	225	88	52	67.5	66.5

*All above measurements are in mm unless stated differently.



P5130RB
Tee - Reduced Branch

Code	Fitting size	L	L2	Z	Z1
P5130 06435640	64x35x64				
P5130 06442640	64x42x64	158	76	35.5	40
P5130 06454640	64x54x64	169	80	41	40
P5130 06728670	66.7x28x66.7	150	64	31	40
P130 06735670	66.7x35x66.7	157	66	34.5	40
P5130 06742670	66.7x42x66.7	164	76	38	40
P5130 06754670	66.7x54x66.7	175	80	43.5	40
P5130 07628760	76.1x28x76.1	162.5	69.5	31	45.5
P5130 07635760	76.1x35x76.1	169.5	71	35	45
P5130 07642760	76.1x42x76.1	178	81	39	45
P5130 07654760	76.1x54x76.1	187	85	43.5	45
P5130 07664760	76.1x64x76.1	197.5	92.5	48.5	49
P5130 07667760	76.1x66.7x76.1	197.5	100.5	48.5	56.5
P5130 08954890	88.9x54x88.9	185.5	91.5	42	51.5
P5130 08964890	88.9x64x88.9	195.5	99	47	55.5
P5130 08976890	88.9x76.1x88.9	203.5	109	51	59
P5R 0108054108	108x54x108	215	101	47	61
P5R 0108064108	108x64x108	225	108.5	52	65
P5R 0108076108	108x76.1x108	233	118.5	56	68.5
P5R 0108089108	108x88.9x108	246	120.5	62.5	69.5



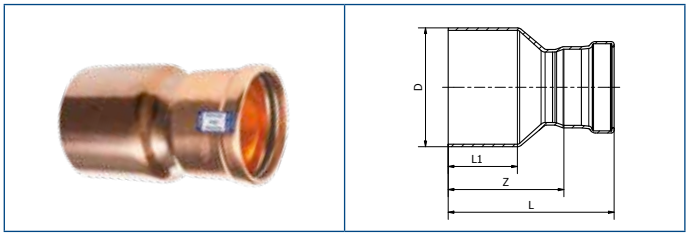
P5230B (EN 1092-1)
PN16 Flange 45°

Code	Fitting size	L1	L2	L3	Z	D1	k	n	d
P5230B06400000	64	76.5	16	18	23	185	145	8	18
P5230B06700000	66.7	88	16	18	25	185	145	8	18
P5230B07600000	76.1	88	16	18	25	185	145	8	18
P5230 076000UK*	76.1	88	18	18	25	200	160	8	18
P5230B08900000	88.9	89	18	20	29	200	160	8	18
P5230B10800000	108	99	18	21	31	220	180	8	18

*Manufactured to BS 4504 standard.

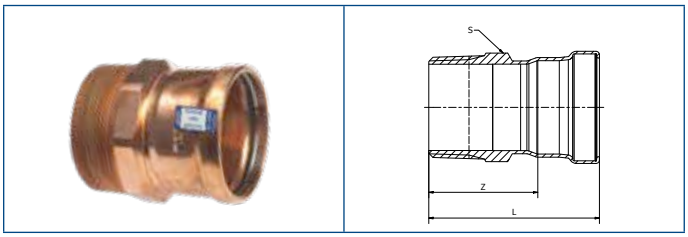
*All above measurements are in mm unless stated differently.

P5243
Fitting Reducer



Code	Fitting size	D	L	L1	Z
P5243 06435000	64 x 35	64	103	45	77
P5243 06442000	64 x 42	64	109	45	73
P5243 06454000	64 x 54	64	105	45	65
P5243 06728000	67 x 28	66.7	107	46	83
P5243 06735000	67 x 35	66.7	106	46	80
P5243 06742000	67 x 42	66.7	112	46	76
P5243 06754000	67 x 54	66.7	108	46	68
P5243 07628000	76 x 28	76.1	118	52	94
P5243 07635000	76 x 35	76.1	116	52	90
P5243 07642000	76 x 42	76.1	122	52	86
P5243 07654000	76 x 54	76.1	120	52	80
P5243 07664000	76 x 64	76.1	117	52	73.5
P5243 07667000	76 x 67	76.1	121	52	76.5
P5243 08954000	89 x 54	88.9	128	53	88
P5243 08964000	89 x 64	88.9	124	53	80.5
P5243 08976000	89 x 76	88.9	129	53	79
P5243 10854000	108 x 54	108	150	62	110
P5243 10864000	108 x 64	108	148	62	104.5
P5243 10876000	108 x 76	108	152	62	102
P5243 10889000	108 x 89	108	144	62	93

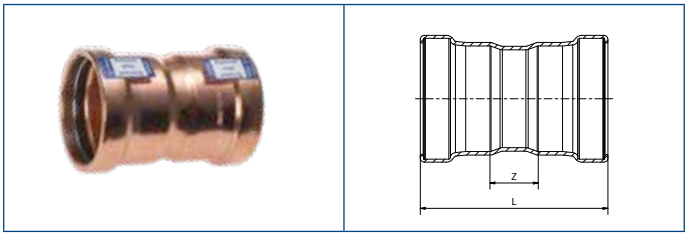
P5243G (ISO 7-1)
Male Threaded Straight Connector



Code	Fitting size	L	Z	S
P5243G06420000	64 x 2 1/2"	106	63	80
P5243G06720000	67 x 2 1/2"	114	70	80
P5243G07620000	76 x 2 1/2"	114.5	64.5	80
P5243G07624000	76 x 3"	115	65	90
P5243G08924000	89 x 3"	115	64	90
P5243G10832000	108 x 4"	131.5	71	115

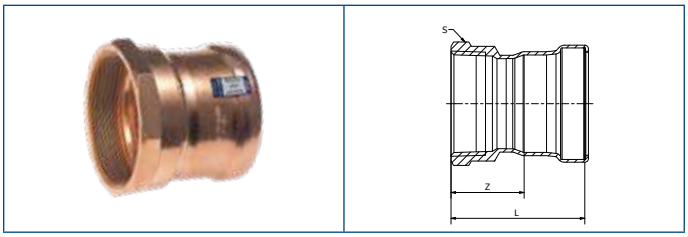
*All above measurements are in mm unless stated differently.

P5270
Straight Connector



Code	Fitting size	L	Z
P5270 06400000	64	101.5	58.5
P5270 06700000	66.7	109	65
P5270 07600000	76.1	123	73
P5270 08900000	88.9	122	71
P5270 10800000	108	145	84.5

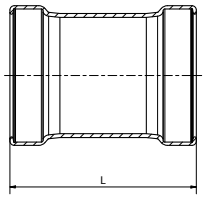
P5270G (ISO 7-1)
Female Threaded Straight Connector



Code	Fitting size	L	Z	S
P5270G06420000	64 x 2 1/2"	96	22	85
P5270G06720000	67 x 2 1/2"	102.5	28.5	85
P5270G07620000	76 x 2 1/2"	99	19	85
P5270G07624000	76 x 3"	109	26	85
P5270G08924000	89 x 3"	104.5	20.5	95
P5270G10832000	108 x 4"	123	23.5	125

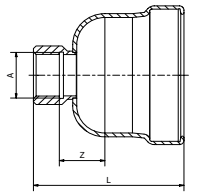
*All above measurements are in mm unless stated differently.

P5275
Repair Coupling



Code	Fitting size	L
P5275 06400000	64	101.5
P5275 06700000	66.7	109
P5275 07600000	76.1	123
P5275 08900000	88.9	122
P5275 10800000	108	145

P5301 (ISO 7-1)
End Cap



Code	Fitting size	L	Z	A
P5301 06400000	64	83.5	27	3/4"
P5301 06700000	66.7	84	27	3/4"
P5301 07600000	76.1	94	31	3/4"
P5301 08900000	88.9	100	36	3/4"
P5301 10800000	108	117.5	44	3/4"

* The end cap requires a sealing plug which is not provided.

*All above measurements are in mm unless stated differently.

4.0 >B< Press Approval Certificates

BUtgb
Belgische Unie voor de technische goedkeuring in de bouw vzw
Lombardstraat 42
B-1000 Brussel
http://www.butgb.be

Lid van EOTA en UEAtc
Tel. +32 (0)2 716 44 12
Fax +32 (0)2 725 32 12
info@butgb.be

Agrément Technique ATG avec Certification

Système de raccords à sertir en cuivre ou en bronze pour conduites en cuivre pour la distribution d'eau sanitaire froide et chaude, d'eau de chauffage et d'eau de refroidissement

CONEX >B< PRESS

ATG 3012

Valable du 30/07/2015 au 29/07/2020

Opérateur d'agrément et de certification

BCCA

Belgian Construction Certification Association
Rue d'Arlon, 53 – B-1040 Bruxelles
www.bcca.be – info@bcca.be

Titulaire d'agrément :

Conex Universal Limited
Global House
95 Vantage Point
The Pensnett Estate
Kingswindford, West Midlands DY6FT
United Kingdom
Tél.: 49 121 521 290
Website: www.ibpconex.co.uk
E-mail: Alan.Glaze@IBPGroup.com

1 Objet et portée de l'Agrément Technique

Cet Agrément Technique concerne une évaluation favorable du système (tel que décrit ci-dessus) par un Opérateur d'Agrément indépendant désigné par l'UBAtc, BCCA, pour l'application mentionnée dans cet Agrément Technique.

L'Agrément Technique consigne les résultats de l'examen d'agrément. Cet examen se décline comme suit : identification des propriétés pertinentes du système en fonction de l'application visée et du mode de pose ou de mise en œuvre, conception du système et fiabilité de la production.

L'Agrément Technique présente un niveau de fiabilité élevé compte tenu de l'interprétation statistique des résultats de contrôle, du suivi périodique, de l'adaptation à la situation et à l'état de la technique et de la surveillance de la qualité par le titulaire d'agrément.

Pour que l'Agrément Technique puisse être maintenu, le titulaire d'agrément doit apporter la preuve en permanence qu'il continue à faire le nécessaire pour que l'aptitude à l'emploi du système soit démontrée. À cet égard, le suivi de la conformité du système à l'Agrément Technique est essentiel. Ce suivi est confié par l'UBAtc à un Opérateur de Certification indépendant, BCCA.

Le titulaire d'agrément [et le distributeur] est [sont] tenu[s] de respecter les résultats d'examen repris dans l'Agrément Technique lorsqu'ils mettent des informations à la disposition de tiers. L'UBAtc ou l'Opérateur de Certification peut prendre les initiatives qui s'imposent si le titulaire d'agrément [ou le distributeur] ne le fait pas (suffisamment) de lui-même.

L'Agrément Technique et la certification de la conformité du système à l'Agrément Technique sont indépendants des travaux effectués individuellement. L'entrepreneur et/ou l'architecte demeurent entièrement responsables de la conformité des travaux réalisés aux dispositions du cahier des charges.

L'Agrément Technique ne traite pas, sauf dispositions reprises spécifiquement, de la sécurité sur chantier, d'aspects sanitaires et de l'utilisation durable des matières premières. Par conséquent, l'UBAtc n'est en aucun cas responsable de dégâts causés par le non-respect, dans le chef du titulaire d'agrément ou de l'entrepreneur/des entrepreneurs et/ou de l'architecte, des dispositions ayant trait à la sécurité sur chantier, aux aspects sanitaires et à l'utilisation durable des matières premières.

Remarque : dans cet Agrément Technique, on utilisera toujours le terme "entrepreneur", en référence à l'entité qui réalise les travaux. Ce terme peut également être compris au sens d'autres termes souvent utilisés, comme "exécutant", "installateur" et "applicateur".

2 Objet

L'agrément technique d'un système de raccords >B< Press à sertir en cuivre ou en bronze de 12 à 54 mm pour des conduites en cuivre destinées à la distribution d'eau sanitaire froide et chaude, d'eau de chauffage et d'eau de refroidissement présente la description technique d'un système de conduites, constitué à partir des composants mentionnés au paragraphe 4 et dont les réseaux de conduites construits au moyen de ce système sont présumés conformes aux niveaux de performances repris au paragraphe 6 pour les types et dimensions mentionnés, pour autant qu'ils soient posés conformément aux prescriptions du paragraphe 5.

Strojírenský zkušební ústav, s.p.
(Engineering Test Institute, Public Enterprise), Authorized Body 202
Hudcova 56b, Brno, Czech Republic
Authorization Decision 27/2006 of 29/08/2006

PRODUCT CERTIFICATE

No.: **AO 202/C5/2009**/Reg. No.: **J-30-20280-09**

In accordance with the provisions of Art. 5, Par. 2 of Government Regulation 163/2002 Coll., laying down the technical requirements for selected construction products, as amended by Government Regulation 312/2005 Coll., the Authorized Body hereby confirms that for the following construction product

Type designation:	Copper fittings Series 5000 Series P5000 Series PG5000 Cuprofit
Product specifications:	see Final Report 30-9027 of 29 May 2009 (Page 2, 3, 4)
Manufacturer:	IBP Instalfittings Sp. z o.o. Obodrzycka 61, 61-249 Poznań, Poland

the Authorized Body reviewed the source materials submitted by the manufacturer, conducted the initial product type testing of the sample, assessed the production management system, and ascertained that the products specified above fulfil the essential requirements of Government Regulation 163/2002 Coll., as amended by Government Regulation 312/2005 Coll.

When assessing conformity, the Authorised Body used the following determined standards and technical regulations:
ČSN EN 12449:2001, ČSN EN 1254-1:2000, ČSN EN 1254-2:2000, ČSN EN 1254-4:2000, ČSN EN 549:1997, ČSN EN 13501-1:2007, Act 258/2000 Coll., Ministry of Health Decree 409/2005 Coll.

The Authorized Body ascertained that the production control system complies with the corresponding technical documentation pursuant to Art. 5, Par. 1, Letter d), and ensures that the marketed products fulfil the requirements specified by the standards and technical regulations specified above and correspond with the technical documentation pursuant to Art. 4, Par. 3.

An integral part of the present Certificate is Final Report No. 30-9027 of 29 May 2009, which contains the conclusions drawn from the inspections and verifications, as well as the test results and basic description necessary for the identification of the certified product.

The present Certificate remains valid for a period in which the requirements specified by the determined standards and technical regulations, to which reference is made, or the production conditions at the place of production, or the production control system remain substantially unchanged.

At least once every 12 months, the Authorized Body will check the due functioning of the production control system at the place of production according to the provisions of Art. 5 Par. 4 of the Government Regulation specified above, take product samples at the place of production, test the product samples and assess whether the product characteristics comply with the determined standards and technical regulations specified above. Should the Authorize Body identify any defects, it shall be authorized to cancel or modify the present Certificate.

In Brno, date: 29 May 2009

AUTORIZOVANÁ OSOBA 202 STROJÍRENSKÝ ZKUŠEBNÍ ÚSTAV, s.p. ÚNMZ

Jiří Rozsíval
Deputy Director

Certificate No. J-30-20280-09-en.doc Page1 (1)

eurofins | Expertises Environnementales

Laboratoire habilité par le Ministère chargé de la santé en application de l'article R*.1321-52 du code de la santé publique

ATTESTATION DE CONFORMITE SANITAIRE

Certificate of sanitary conformity

Conformément à l'arrêté du 29 mai 1997 modifié et à la circulaire du Ministère de la Santé
Direction Générale de la Santé DGS/SD7A N° 571 du 25 Novembre 2002

Coordonnées du demandeur d'ACS /
Contact details of the ACS owner :

IBP ATCOSA S.L.
POLIGONO INDUSTRIAL QUINTOS-AEROPUERTO
Apartado de Correos n° 16 14005 CORDOBA
Espagne

Nom de l'accessoire représentatif / ***Reference of the representative accessory :***

Raccord >B< Press - P5240 05442000

N° de dossier attribué par le laboratoire habilité / *File reference :* **18 ACC NY 016**

Date de réalisation des essais d'inertie selon la norme XP P41-280 / *Tests date (according to the standard XP P 41-280) : /*

Commentaires / *Comments* : Aucun essai n'est nécessaire à l'émission de cette ACS / *No testing is required to issue this ACS.*

Famille d'accessoires couverte par l'ACS / Accessories' family covered by this certificate :

RACCORDS ET BOUCHONS >B< PRESS - IBP ATCOSA

Références / ***References :***

Références couvertes : voir annexe / *Covered references : see annex*

Cette ACS comporte une annexe de 4 pages et couvre 523 références.
This ACS includes an annex of 4 sheets and covers 523 references.

Attestation délivrée par / *Certificate issue by :*

Clémence Tafforeau
Chef de Service /
Materials Department Manager

Signature :

Date de délivrance / *Date of issue* : 12 février 2019
Date d'expiration / *Expiry date* : 22 janvier 2023

Commentaires / *Comments* : Ce document est une mise à jour de l'ACS délivrée le 22 janvier 2018 pour ajout de références. Il garde par conséquent la même date d'expiration. *This document is an update of the ACS issued the 22 January 2018 (references addition). Consequently, its expiry date remains the same.*

CSTB
le futur en construction

Organisme certificateur
Certification body

QB

Certificat

Canalisations de distribution ou d'évacuation des eaux
Chauffage et distribution sanitaire
>B< PRESS

Le CSTB atteste que le produit ci-dessus est conforme à des caractéristiques décrites dans le référentiel de certification QB 08 - Canalisations de distribution ou d'évacuation des eaux en vigueur, après évaluation selon les modalités de contrôle définies dans ce référentiel.

En vertu de la présente décision, le CSTB accorde à :

La société	**IBP Atcosa, S.L.**
	Polígono Industrial Quintos Aeropuerto - Apartado de Correos n°16 - ES - 14005 CORDOBA
Usine	**ES - 14005 CORDOBA**

le droit d'usage de la marque QB 08 Canalisations de distribution ou d'évacuation des eaux pour le produit objet de cette décision, pour toute sa durée de validité et dans les conditions prévues par les exigences générales de la marque QB et le référentiel mentionné ci-dessus.

QB -93-2172

Décision de reconduction n° 3967-93-2172 du 20 juillet 2019.

Cette décision se substitue à la décision de reconduction n° 3620-93-2172 du 3 décembre 2018

Sauf retrait, suspension, ou modification, ce certificat est valable jusqu'au 31/05/2023. Le certificat en vigueur peut être consulté sur le site internet http://evaluation.cstb.fr pour en vérifier sa validité.

CARACTÉRISTIQUES CERTIFIÉES

Conformité à l'Avis Technique n°14/16-2172

NATURE DU SYSTEME : Raccords métalliques à sertir pour tubes cuivre
- Caractéristiques dimensionnelles
- Résistance à la pression
- Résistance aux pressions alternées

Ce certificat comporte 1 page.
Correspondant :
Joel QUILLEROU
Courriel : joel.quillerou@cstb.fr
Tél : 01 64 68 82 75

Pour le CSTB
Pour le Président

Yannick LEMOIGNE

CENTRE SCIENTIFIQUE ET TECHNIQUE DU BÂTIMENT
84 avenue Jean Jaurès – Champs-sur-Marne – 77447 Marne-la-Vallée cedex 2
Tél. : +33 (0)1 64 68 82 82 – Fax : +33 (0)1 64 68 89 94 – www.cstb.fr
MARNE-LA-VALLÉE / PARIS / GRENOBLE / NANTES / SOPHIA ANTIPOLIS

cofrac
ACCRÉDITATION N° 5-0013
Scope disponible sur www.cofrac.fr
CERTIFICATION DE PRODUITS ET SERVICES

DVGW CERT

DVGW

CERT

DVGW type examination certificate

DVGW-Baumusterprüfzertifikat

DW-8511AU2335
Registration Number
Registriernummer

Field of Application ***Anwendungsbereich***	products of water supply *Produkte der Wasserversorgung*
Owner of Certificate ***Zertifikatinhaber***	IBP GmbH Theodor-Heuss-Straße 18, D-35440 Linden
Distributor ***Vertreiber***	IBP GmbH Theodor-Heuss-Straße 18, D-35440 Linden
Product Category ***Produktart***	installation systems and system joints: pipe joint for pipes in drinking water installation systems (8511)
Product Description ***Produktbezeichnung***	pressing joint made of copper respectevely redbrass, type M-MM, for pipes made of copper according DVGW worksheet GW 392, unpressed leaky
Model ***Modell***	>B< Press
Test Reports ***Prüfberichte***	laboratory control test: 120000187-19 from 29.07.2019 (MPM) type testing: 120005105 from 19.12.2018 (MPM) type testing: 120003894 from 28.02.2012 (MPM)
Test Basis ***Prüfgrundlagen***	DVGW W 534 (01.05.2004) DVGW CERT ZP 8500 (09.03.2017) UBA METALLE (21.11.2018) UBA ELASTOM (16.03.2016) DVGW W 270 (01.11.2007)
Date of Expiry / File No. ***Ablaufdatum / Aktenzeichen***	24.11.2024 / 20-0009-WNV

23023-09-A-DE

21.01.2020 LE A-1/2
Date, Issued by, Sheet, Head of Certification Body
Datum, Bearbeiter, Blatt, Leiter der Zertifizierungsstelle

DVGW CERT GmbH is an accredited body by DAkkS according to DIN EN ISO/IEC 17065:2013 for certification of products for energy and water supply industry.

DVGW CERT GmbH ist von der DAkkS nach DIN EN ISO/IEC 17065:2013 akkreditierte Stelle für die Zertifizierung von Produkten der Energie- und Wasserversorgung.

DAkkS
Deutsche Akkreditierungsstelle
D-ZE-16028-01-05

DVGW CERT GmbH
Zertifizierungsstelle
Josef-Wirmer-Str. 1-3
53123 Bonn
Tel. +49 228 91 88 - 888
Fax +49 228 91 88 - 993
www.dvgw-cert.com
info@dvgw-cert.com

TYPE APPROVAL CERTIFICATE

DNV·GL

This is to certify that the undernoted product(s) has/have been tested in accordance with the relevant requirements of the DNV GL Type Approval System.

Certificate No.	**40 126 - 01 HH**
Company	**International Building Products GmbH Theodor-Heuss-Str. 18 35440 Linden, GERMANY**
Product Description	**Press Fitting System made of Copper Alloys**
Type	**System >B< Press - Press fitting System SERIES P 4000 BRONZE, SERIES P 5000 COPPER**
Environmental Category	**None**
Technical Data / Range of Application	**TECHNICAL DATA Fittings: Copper and bronze fittings Sealing: EPDM, HNBR Pipes: According to DIN EN 1057 or equivalent Nominal pressure: PN 16 M.A.W.T.: 95 [°C] Pipe O.D.: 12 [mm] up to 54 [mm] RANGE OF APPLICATION Refer to page 2**
Test Standard	**GL VI-7-8 Test Requirements for Components and Systems of Mechanical Engineering : 2008**
Documents	**- Phoenix flame test reports 0018464, MPA NRW test report no.: 120003376 - Operating and Installation Guidelines "Conex / Bänninger Produktvielfalt auf einem Blick, W2009-01BRD-B"**
Remarks	**Refer to page 2**

Valid until **2020-10-10**
Page **1 of 2**
File No. **II.C.08**
Hamburg, 2015-07-14

Type Approval Symbol GL

Hanspeter Raschle

Hagen Markus

DNV GL

www.dnvgl.com

ÁNTSZ

ÁLLAMI NÉPEGÉSZSÉGÜGYI ÉS TISZTIORVOSI SZOLGÁLAT
Országos Tisztifőorvosi Hivatal

Iktatószám: KEF-26714-2/2014.
Tárgy: Igazolás nyilvántartásba vételről
Ügyintéző: Németh Dávid
Telefon: 06/1/476-1100/2396
Melléklet: Használati útmutató

Válaszadás esetén kérem, a fenti iktatószámra szíveskedjék hivatkozni.

IGAZOLÁS

az ivó- és használati melegvíz-ellátásban vízzel közvetlenül érintkező anyagok, termékek bejelentéséről

A közigazgatási hatósági eljárás és szolgáltatás általános szabályairól szóló 2004. évi CXL. törvény 86. § (1) bekezdése, az egészségügyi hatósági és igazgatási tevékenységről szóló 1991. évi XI. törvény 7. § (1) bekezdése, az ivóvíz minőségi követelményeiről és az ellenőrzés rendjéről szóló 201/2001. (X. 25.) Korm. rendelet (a továbbiakban: Rendelet) 8/A. § (1) bekezdése alapján, az ivó- és használati melegvíz-ellátás területén alkalmazandó **„BÄNNINGER 3000-4000-5000 sorozatú, illetve P4000-P5000 típusú idomok”** elnevezésű terméket az alábbi adatokkal és feltételekkel

nyilvántartásba veszem:

A termék nyilvántartási száma: KEF-26714-2/2014.

A termék forgalmazójának adatai:

A forgalmazó neve: IBP Instalfittings Sp. z.o.o.

A forgalmazó címe: PL-61 249 Poznań, ul. Obodrzycka 61, Lengyelország

A termék gyártójának adatai:

A gyártó neve: IBP Instalfittings Sp. z.o.o.

A gyártó címe: PL-61 249 Poznań, ul. Obodrzycka 61, Lengyelország

A termék adatai:

A termék neve: 99,90% Cu-DHP Bänninger 5000 sorozatú forraszthető vörösréz idomok
99,90% Cu-DHP Bänninger P5000 sorozatú vörösréz idomok
Bänninger 3000-4000 sorozatú menetes vörösöntvény idomok
Bänninger P4000 sorozatú vörösöntvény présidomok

A termék alkalmazási területe: ivó- és használati melegvíz-ellátás (max. 60 °C)

Cím: 1097 Budapest, Albert Flórián út 2-6. – Levelezési cím: 1437 Budapest, Pf. 839.
Telefon: +36 1 476 1100 – E-mail: tisztifoorvos@oth.antsz.hu

ÉMI ÉPÍTÉSÜGYI MINŐSÉGELLENŐRZŐ INNOVÁCIÓS NONPROFIT KORLÁTOLT FELELŐSSÉGŰ TÁRSASÁG
H-1113 Budapest, Diószegi út 37. Levélcím: H-1518 Budapest, Pf : 69.
Telefon: +36 (1) 372-6100 Fax: +36 (1) 386-8794
E-mail: info@emi.hu Honlap: http://www.emi.hu

ÉPÍTÉSÜGYI MINŐSÉGELLENŐRZŐ INNOVÁCIÓS NONPROFIT KFT.
ÉMI NON-PROFIT LIMITED LIABILITY COMPANY FOR QUALITY CONTROL AND INNOVATION IN BUILDING
ÉMI SOCIÉTÉ À BUT NON LUCRATIF POUR LE CONTRÔLE DE QUALITÉ ET L'INNOVATION DU BÂTIMENT, RESPONSABILITÉ LIMITÉE
ÉMI NON-PROFIT GESELLSCHAFT FÜR QUALITÄTSKONTROLLE UND INNOVATION IM BAUWESEN MIT BESCHRÄNKTER HAFTUNG

A-703/1998

ÉME
ÉPÍTŐIPARI MŰSZAKI ENGEDÉLY

A termék megnevezése:	**IBP gyártmányú réz, sárgaréz és vörösöntvény anyagú menetes, présidomok, roppantógyűrűs, gyorscsatlakozó- és forraszthető idomok, forraszanyagok, sorjázó, tisztító szerszámok, segédanyagok, automata légtelenítő**
A termék tervezett felhasználási területe:	**Épületek hidegvíz-, melegvíz-, központi fűtési-, gázellátási, hűtési és klímarendszereiben ****
Kérelmező: mint az ÉME jogosultja	**IBP Instalfittings Sp. z o.o. ul. Obodrzycka 61, 61-249 Poznań, Lengyelország**
A termék gyártója:	**IBP Instalfittings Sp. z o.o. ul. Obodrzycka 61, 61-249 Poznań, Lengyelország**
A termék ÉMI Nonprofit Kft. szakrendi jelzete (SZRJ):	**5.5.2. Menetes idomok csövekhez** **5.5.4. Gyorskötő idomok csövekhez** **5.5.5. Forraszthető idomok csövekhez** **5.5.7. Sajtolással rögzített idomok** **5.5.8. Segédidomok csőkötéshez** **5.1.8. Légtelenítők** **5.1.2.3. Fűtőberendezések kézi működtetésű szelepei** **5.5.8.1. Forraszanyagok**
ÉME érvényesség kezdete:	**2013. 06. 28.**
ÉME érvényesség vége*:	**2018. 06. 30.**

** érvényes magyarországi egészségügyi engedéllyel és megfelelőségi tanúsítvánnyal alkalmazható

ÉMI Építőipari Minőségellenőrző Innovációs Nonprofit Kft. 5.

Matuz Géza
vezérigazgató-helyettes
termelési és értékesítési igazgató

Az Építőipari Műszaki Engedély 12 oldalt tartalmaz.
* Az ÉME érvényességének vége feltételhez kötött. Az ÉME érvényessége az ÉMI Nonprofit Kft. honlapján (www.emi.hu) ellenőrizendő.

Projektszám: **A3-1408K-00597-2013**

Design Appraisal Document

Lloyd's Register EMEA
Hamburg Technical Support Office
Überseeallee 10
20457 Hamburg
Telephone +49 (0)40 34 97 00 10-100
E-mail: hamburg-technical-support@lr.org

Date
19 November 2019

Please quote this reference number on all future communications
HPC 1461041/39959-19/OS/AC

THE LLOYD'S REGISTER'S TYPE APPROVAL SYSTEM, TA14

ISSUED TO: IBP INSTALFITTINGS SP.Z O.O.
FOR: PRESS FITTINGS >B< PRESS

INTERIM TYPE APPROVAL 09/20031(E2) LETTER, REF.: HPC1661041/39960-19/OS/AC

This Design Appraisal Document supersedes and cancels document number ENS 24433-09, Issue No. 1, dated 11.11.2014

The undernoted documents have been reviewed for compliance with the requirements of the Lloyd's Register's Type Approval System, TA14 and this Design Appraisal Document forms part of the Certificate.

APPROVAL DOCUMENTATION

Form LR2502	Application Checklist	udated
FM 39649	BS EN ISO 9001:2000	07.04.2008
DW-8511AU2365	DVGW Type Examination Certificate	08.06.2005
DW-8511AU2335	DVGW Type Examination Certificate	08.06.2005
-	Product Construction Change	undated
-	>B< Press Material Specification	undated
-	Catalogue Press Fitting system	04/2005

TEST REPORTS

KAT1900399	PQA Report	01.08.2019
120002635	Test Report MPA NRW acc. to DVGW W534	09.01.2007
120003376	Test Report MPA NRW acc. to IACS P2.11.5.5.1/2/5/7	28.08.2009
120002576	Test Report MPA NRW acc. to IACS P2.11.5.5.6	23.05.2006

FINAL ACCEPTANCE OF ACTUAL ITEM(S) DEPEND(S) ON SATISFACTORY SURVEY AND TESTING

Lloyd's Register EMEA
Is a member of Lloyd's Register group

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.

Form 6438MARREF (2016.05)

This is a copy of an electronic document. In the event of any conflict or ambiguity between the copy and the electronic document, which is retained and published by Lloyd's Register, the original electronic and certified version shall always prevail.

Marine & Offshore

Certificate number: SMS.W.II./62847/D.0

www.veristar.com

RECOGNITION FOR
BV MODE II SCHEME

IBP Instalfittings Sp. z o. o.
POZNAN - POLAND

Summary of the range of the recognition which is detailed in the subsequent page(s):

Product range (as specified in attached Schedule of Recognition) :

> Installation fittings for water, oil, gas types :
- Series 5000
- Series 4000
- Series 3000
- Series 8000M
- Conex
- >B<Press

>Installation fittings for water only : Cuprofit Push-fit

This certificate is issued to attest that Bureau Veritas Marine & Offshore has performed, at the above company's request and in compliance with the requirements of NR320, a satisfactory assessment of the manufacturing facilities and associated quality procedures related to the range of the recognition.

This certificate will expire on: 06 Aug 2022

For BUREAU VERITAS,

At BV GDANSK, on 06 Aug 2018,

Janusz URBAN

BUREAU VERITAS SURVEYORS AT PARIS 1828 GDANSK INTERNATIONAL REGISTER

This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

The electronic version is available at: http://www.veristarnb.com/veristarnb/jsp/viewPublicPdfRecognition.jsp?id=xyyclzakms

BV Mod. Ad.E 697 June 2017

This certificate consists of 2 page(s)

Certificate number: SMS.W.II./62847/D.0

THE SCHEDULE OF RECOGNITION

1. RANGE OF THE RECOGNITION

The products corresponding to the categories listed in the table below are to be certified individually or per batch by Bureau Veritas Marine & Offshore in compliance with the applicable requirements (IBV products as defined in NR320).

Generic product	Description
PIPE / TUBE AND FITTINGS	Series 5000, copper fittings for soldered connect., diam. 54 to 159 mm.
PIPE / TUBE AND FITTINGS	Series 4000, red brass fittings, soldered and threaded connections, diam. 6 to 108 mm, 1/8" to 4".
PIPE / TUBE AND FITTINGS	Series 3000, red brass fittings, threaded connection., 1/8" to 4".
PIPE / TUBE AND FITTINGS	Series 8000M, brass fittings, threaded connection 1" to 4"
PIPE / TUBE AND FITTINGS	Conex, brass compression fittings, diam. 6 to 108 mm
PIPE / TUBE AND FITTINGS	Cuprofit Push-fit fittings, diam. 10 to 28 mm
PIPE / TUBE AND FITTINGS	>B<Press, copper and red brass fittings, clamp type, diam 12 to 108 mm

2. LIMITATIONS

The certificates listed in the range of recognition are to be valid, as applicable.

Bureau Veritas Marine & Offshore is to be informed immediately of any modification to manufacturing facilities and associated quality procedures in order to agree on appropriate actions.

IBP Instalfittings Sp. z o. o. has to apply for the periodical audits as agreed with Bureau Veritas Marine & Offshore.

3. PERIMETER OF CERTIFICATION

Quality system of following site(s) has been assessed:

IBP Instalfittings Sp. z o. o. - POZNAN - POLAND

4. REMARKS

Nil.

*** END OF CERTIFICATE ***

Certificate

kiwa
Partner for progress

Number	53432/03	Replaces	53432/02
Issued	05-07-2016	Scope	KE 186
Contract number	Q96/095	Page	1-4

Product Certificate

Press Fittings

Based on pre-certification tests as well as periodic inspections by Kiwa Nederland B.V., the products referred to in this certificate and marked with the GASTEC QA mark, supplied by

Conex Universal Ltd.

may, on delivery, be relied upon to comply with the GASTEC QA Approval Requirements 186, for "Press fittings for joining copper pipes". November 2012+A1, November 2015.

Luc Leroy
Kiwa

This certificate is issued by Kiwa Nederland B.V. in conjunction with the KIWA regulations for Product Certification.

This certificate consists of 4 pages.
Publication of the certificate is allowed.

Kiwa Nederland B.V.
Wilmersdorf 50
P.O. Box 137
7300 AC APELDOORN
The Netherlands
Tel.+31- 55 539 33 55
Fax +31- 55 539 36 76
www.kiwa.nl

PRODUCTS
RvA C 002

Company
Conex Universal Ltd.
Global House, 95 Vantage Point
The Pensnett Estate
West Midlands DY6 7FT
United Kingdom
www.ibpgroup.com

T +44 (0)121 557 2831
F +44 (0)121 520 8778

GASTEC QA

Instytut Techniki Budowlanej
00-611 WARSZAWA | ul. FILTROWA 1 | tel.: (48 22) 825 04 71, (48 22) 825 76 55 | fax (48 22) 825 52 86
Członek Europejskiej Unii Akceptacji Technicznej w Budownictwie – UEAtc
Członek Europejskiej Organizacji ds. Oceny Technicznej – EOTA

Seria: APROBATY TECHNICZNE

APROBATA TECHNICZNA ITB AT-15-8600/2016

Na podstawie rozporządzenia Ministra Infrastruktury z dnia 8 listopada 2004 r. w sprawie aprobat technicznych oraz jednostek organizacyjnych upoważnionych do ich wydawania (tekst jednolity: Dz. U. z 2014 r., poz. 1040), w wyniku postępowania aprobacyjnego dokonanego w Instytucie Techniki Budowlanej w Warszawie, na wniosek firmy:

IBP Instalfittings Sp. z o.o.
ul. Obodrzycka 61
61-249 Poznań

stwierdza się przydatność do stosowania w budownictwie wyrobów pod nazwą:

Łączniki zaprasowywane >B< Press z miedzi lub z brązu do rur miedzianych

w zakresie i na zasadach określonych w Załączniku, który jest integralną częścią niniejszej Aprobaty Technicznej ITB.

Termin ważności:
20 kwietnia 2021 r.

Załącznik:
Postanowienia ogólne i techniczne

INSTYTUT TECHNIKI BUDOWLANEJ

DYREKTOR
z up.
Zastępca Dyrektora
ds. Oceny Technicznej
i Harmonizacji Europejskiej
mgr inż. Anna Panek

Warszawa, 20 kwietnia 2016 r.

Aprobata Techniczna ITB AT-15-8600/2016 jest nowelizacją Aprobaty Technicznej ITB AT-15-8600/2011. Dokument Aprobaty Technicznej ITB AT-15-8600/2016 zawiera 30 stron. Tekst tego dokumentu można kopiować tylko w całości. Publikowanie lub upowszechnianie w każdej innej formie fragmentów tekstu Aprobaty Technicznej wymaga pisemnego uzgodnienia z Instytutem Techniki Budowlanej.

NARODOWY INSTYTUT ZDROWIA PUBLICZNEGO
- Państwowy Zakład Higieny

Zakład Higieny Środowiska

ATEST HIGIENICZNY

BK/W/0797/02/2018
ORYGINAŁ

HYGIENIC CERTIFICATE

NATIONAL INSTITUTE OF PUBLIC HEALTH – NATIONAL INSTITUTE OF HYGIENE

Wyrób / product: **Łączniki zaprasowane >B<Press**

Zawierający / containing: brąz, miedź, EPDM

Przeznaczony do / destined: łączenia rur do przesyłania wody przeznaczonej do spożycia przez ludzi oraz ciepłej i zimnej wody na potrzeby sanitarne i gospodarcze

Wymieniony wyżej produkt odpowiada wymaganiom higienicznym przy spełnieniu następujących warunków / the above-named product is acceptable according to hygienic criteria with the following conditions:

Atest higieniczny nie dotyczy parametrów technicznych wyrobów/ Hygienic certificate does not apply to technical parameters of the products.

Wytwórca / producer:

IBP Instafittings Sp. z o.o.
61-249 Poznań
ul. Obodrzycka 61

Niniejszy dokument wydano na wniosek / this certificate issued for:

IBP Instafittings Sp. z o.o.
61-249 Poznań
ul. Obodrzycka 61

Atest może być zmieniony lub unieważniony po przedstawieniu stosownych dowodów przez którąkolwiek stronę. Niniejszy atest traci ważność po 2021-10-19 lub w przypadku zmian w recepturze albo w technologii wytwarzania wyrobu.

The certificate may be corrected or cancelled after appropriate motivation. The certificate loses its validity after 2021-10-19 or in the case of changes in composition or in technology of production.

Data wydania atestu higienicznego: 19 października 2018

The date of issue of the certificate: 19th October 2018

p.o. kierownik
Zakładu Bezpieczeństwa Zdrowotnego Środowiska

z up.

dr hab. Jolanta Solecka, prof. NIZP-PZH

Kontakt w sprawie niniejszego atestu higienicznego / To contact regarding this hygienic certificate
Zakład Bezpieczeństwa Zdrowotnego Środowiska NIZP-PZH / Department of Environmental Health and Safety NIPH-NIH
00-791 Warszawa, ul.Chocimska 24 / 00-791 Warszawa, Chocimska 24, Poland
e-mail: sek-zhk@pzh.gov.pl tel. +48 22 54-21-354, +48 22 54-21-349, fax: +48 22 54-21-287

СИСТЕМА СЕРТИФИКАЦИИ ГОСТ Р

ФЕДЕРАЛЬНОЕ АГЕНТСТВО ПО ТЕХНИЧЕСКОМУ РЕГУЛИРОВАНИЮ И МЕТРОЛОГИИ

Добровольная сертификация

СЕРТИФИКАТ СООТВЕТСТВИЯ

№ РОСС GB.АГ98.Н12054

Срок действия с 24.07.2018 по 24.07.2021

№ 0916064

ОРГАН ПО СЕРТИФИКАЦИИ рег. № РОСС RU.0001.11АГ98.Орган по сертификации продукции ООО "ЮгРесурс". 117342, г. Москва, ул. Введенского, д. 23А, стр. 3, тел. 8 985 766 92 24, E-mail info@ug-resurs.ru.

ПРОДУКЦИЯ Фитинги из меди и медных сплавов, т.м. >B< Banninger по спецификации изготовителя: (см. приложение на 2 листах, бланки №№ 0897703, 0897704).
Серийный выпуск.

код ОК 005 (ОКП):
18 4000

СООТВЕТСТВУЕТ ТРЕБОВАНИЯМ НОРМАТИВНЫХ ДОКУМЕНТОВ
ГОСТ Р 52922-2008; ГОСТ Р 52948-2008; ГОСТ Р 52949-2008

код ТН ВЭД России:
7412 10 000 0
7412 20 000 0

ИЗГОТОВИТЕЛЬ "CONEX Universal Limited". Адрес: Global House, 95 Vantage Point, The Pensnett Estate, Kingswinford, West Midlands, DY6 7FT, UK, Соединенное Королевство Великобритании и Северной Ирландии. Телефон +48 61 8716000. Филиалы завода-изготовителя: "IBP Instalfittings Sp. z o.o.", адрес: ul.Obodrzycka 61, 61-249 Poznan, Poland, Польша, "IBP Instalfittings Sp. z o.o.", адрес: ul. Za Motelem 2A 62-080 Tarnowo Podgórne / Sady, Poland, Польша

СЕРТИФИКАТ ВЫДАН "CONEX Universal Limited". Адрес: Global House, 95 Vantage Point, The Pensnett Estate, Kingswinford, West Midlands, DY6 7FT, UK, Соединенное Королевство Великобритании и Северной Ирландии. Телефон +48 61 8716000.

НА ОСНОВАНИИ протокола № 41568-ТО4/1-0178 от 21.03.2014 г., Испытательная лаборатория ООО "ЮгРесурс", рег. № РОСС RU.0001.21АВ93 от 28.10.2011, адрес: Краснодарский край, г. Новороссийск, ул. Мира, д. 9, оф. 307

ДОПОЛНИТЕЛЬНАЯ ИНФОРМАЦИЯ Схема сертификации: 3.

М.П.

Руководитель органа _____ Е.В. Прокудина
подпись, инициалы, фамилия

Эксперт _____ И.В. Насонов
подпись, инициалы, фамилия

Сертификат не применяется при обязательной сертификации

INSTITUT ZA VARILSTVO
Welding Institute

CERTIFIKAT O TIPSKEM PRESKUSU

TYPE EXAMINATION CERTIFICATE

STISLJIV CEVNI SISTEM ZA OGREVALNE IN SANITARNE INSTALACIJE

PRESSED PIPE FITTINGS FOR HEATING AND SANITARY INSTALATIONS

št. certifikata: 10247-1/18
(Cetificate no)

velja do: 23. 04. 2021
(Valid until)

Naročnik/dobavitelj :
(Customer/supplier)
IBP Instalfittings Sp. Z.o.o.
ul. Obodrzycka 61, 61-249 Poznań

Podatki o izdelku/sistemu:
(Product description)
PRESSED PIPE FITTINGS >B< Press

- zunanji premer cevi:
  (external pipe diameters)
  15 ; 18 ; 22 ; 28 ; 35 ; 42 ; 54 mm
- material:
  (fitting material)
  copper CW024A, red brass
- tesnilo (O-ring):
  (tight material)
  EPDM - black
- maksimalni pogoji obratovanja:
  (Maximal operating conditions)
  Tlak in temperatura po tehničnih podatkih proizvajalca
  (Pressure and temperature after the manufacturer's technical data.)

Preskušeni vzorci ustrezajo zahtevam standarda(ov) ali normativnega(ih) dokumenta(ov):
(The samples tested fulfill the requirements of the following standard(s) or regulation(s))

- DVGW W 534 (01.05.2004): Rohrverbinder und Rohrverbindungen in der Trinkwasser-Installation
- DVGW GW 392: Nahtlosgezogene Rohre aus Kupfer fur Gas und Trinkwasser

Certifikat je izdan izključno na osnovi sprejemljivih rezultatov preskušanja stisljivih spojev na vzorcih pod delovnim nalogom (DN) št. 10247. Preiskave je izvedel Tehnološki laboratorij, Instituta za varilstvo d.o.o., Ptujska 19, 1000 Ljubljana.
(The certificate is issued exclusively on the basis of satisfactory test results of the samples examinated under work number DN 10247. Examinations were carried out by the Laboratory of Technology of the Institut za varilstvo d.o.o., Ptujska 19, 1000 Ljubljana.)

Kraj in datum: Ljubljana, 23.04.2018
(Place and date)

Direktor:
(Director)
Dr.-Ing. Miro Uran, univ. dipl. inž.

INSTITUT ZA VARILSTVO LJUBLJANA

INSTITUT ZA VARILSTVO
Welding Institute

Preverjanje pristnosti na: /Authentication on: /Authentifizierung an: tel. 00386 1 280 94 00

SVGW
Schweizerischer Verein
des Gas- und Wasserfaches
Grütlistrasse 44
CH- 8027 Zürich

Zertifizierungsstelle Wasser

SVGW SSIGE

Zertifikat Nr.: 0009-4296

Antragsteller:	IBP GmbH,Theodor-Heuss-Strasse 18, DE- 35440 Linden
vom:	01.08.2000

Gestützt auf das Reglement ZW 101 „Allgemeine Geschäftsbedienungen der SVGW Zertifizierungsstelle Wasser" zertifiziert der SVGW die folgenden Serienprodukte:

Rubrik:	Trinkwasserverteilsysteme
Bezeichnung:	Pressfittings <B> Press für Cu-Rohre Fitting-Serien P4000, P4000 XL und P5000
Typen:	Pressfitting aus Rotguss >B< Press, Serie 4000 und Serie 4000 XL: Für Cu-Rohre ø 12 x 1.0, 15 x 1.0, 18 x 1.0, 22 x 1.0, 28 x 1.5, 35 x 1.5, 42 x 1.5, 54 x 2.0, 64 x 2, 76.1 x 2, 88.9 x 2, 108 x 2.5 mm; Pressfittings aus Cu-Rohr >B< Press, Serie P5000:ø 12 x 1.0, 15 x 1.0, 18 x 1.0, 22 x 1.0, 28 x 1.5, 35 x 1.5, 42 x 1.5, 54 x 2 mm
	DN: 12 ...108 PN: 10 tmax= 95°C
Zertifizierungsgrundlage:	SVGW ZW 132 (01/16)
Gültigkeit:	31.12.2020

Bemerkungen / Auflagen:
-

Der Auftraggeber ist berechtigt, die oben erwähnten Produkte als SVGW zertifiziert anzubieten und das SVGW-Konformitätszeichen zu verwenden (Publikation im Zertifizierungsverzeichnis Wasser).

SWISS ACCREDITATION sas.admin.ch SCES p 0028
akkreditiert nach
SN EN ISO/IEC 17065

Schweizerischer Verein des Gas- und Wasserfaches
Zertifizierungsstelle Wasser

Javier Fernandez
Leiter

Zürich, 14.07.2016

Seite 1 / 2

CERTIFIKAT

TYPGODKÄNNANDE 1130
MED BESLUT OM TILLVERKNINGSKONTROLL

SAKORD: Tappvatten **BBR 6:62**
Kopplingar

Innehavare: IBP GmbH

Theodor-Heuss-Strasse 18, 35440 Linden, Germany

Tel: +49 (0)6403 77850 Fax +49 (0)6403 7785 305

E-post: technical@ibpgroup.com Web: http://www.conexbanninger.com

Produktnamn: >B< Press

Presskoppling av koppar med tätning av godkänd elastomer.
Sammanfogning ska utföras enligt av tillverkaren föreskriven metod och föreskrivet pressverktyg med backar. Presskopplingen uppfyller kraven för läckageindikering med avseende på icke pressade fogar.
Dimensioner: Ø 12, 15, 18, 22, 28 35, 42 och 54 mm.

Avsedd användning
Kopplingar i rörsystem av rostfritt stål för varmt och kallt tappvatten samt värmevatten inom byggnader.

Godkännande
Produkten utförd och installerad enligt tillhörande handlingar godkänns med avseende på följande avsnitt i Boverkets byggregler (BBR):

Installationer för tappvatten, 2:a stycket	6:62*
Utformning, 1:a och 4:e stycket	6:625

*Produkterna uppfyller krav i BFS 2014:3

För avsedd användning uppfyller produkten följande krav i PBL, Plan- och Bygglagen 8 kap 4 § Byggnadsverks tekniska egenskaper

3. Skydd med hänsyn till hygien, hälsa och miljön
4. Säkerhet vid användning

Bilaga 1: Tillhörande handlingar	2018-08-15
Bilaga 2: Produktmärkning	2018-08-15
Bilaga 3: Kontroll	2018-08-15
Bilaga 4: Bedömningsunderlag	2018-08-15

Kiwa Sverige AB
Campus Gräsvik 1
SE-371 75 Karlskrona

Tel +46 (0)455-30 56 00
Fax +46 (0)455-104 36
se.bygg@kiwa.com
www.kiwa.se

Ackred. nr. 1913
Produktcertifiering
ISO/IEC 17065

Beslutsdatum: 2018-08-15 Diarienummer: 564/18

Giltigt till: 2023-08-14 Tidigare diarienummer: 196/17

Kiwa Sverige AB

Magnus Jerlmark
Tekniskt ansvarig

Johnny Ostenfeldt
Handläggare

ОРГАН З ОЦІНКИ ВІДПОВІДНОСТІ
ТОВ "ЄВРО-ТИСК"
(призначений орган з оцінки відповідності продукції вимогам технічних регламентів згідно наказів № 1306 від 05.11.2013 р., № 204 від 24.02.2014 р. Міністерства економічного розвитку і торгівлі України, номер призначеного органу UA.TR.089. Акредитований у Національному агентстві з акредитації України (атестат акредитації № 1О146 від 14.09.2015 р.)

1О146

№ 00785

Серія АВ

СЕРТИФІКАТ ВІДПОВІДНОСТІ

СЕРТИФИКАТ СООТВЕТСТВИЯ/CERTIFICATE OF CONFORMITY

Згідно статті 24 розділ VI Закону України "Про технічні регламенти та оцінку відповідності" від 15.01.2015 р. за № 124-VIII

КОПІЯ

Зареєстрований у Реєстрі ТОВ "ЄВРО-ТИСК " за № UA.TS.1О146.0412-18
Зарегистрирован в Реестре ООО "ЕВРО-ТИСК" под №
Registration number №
Термін дії з 14 червня 2018 р. до 13 червня 2023 р.
Срок действия с по
Term of validity from to

Продукція *Продукция/*
Description of products

З'єднувальні деталі трубопроводів (фітинги) з міді та мідних сплавів торгівельної марки >B< BANNINGER - II позиції, 13 серій, 34 артикула (згідно Додатків 1, 2)

Повна назва, тип, вид, марка, (товарний знак))
Полное наименование, тип, вид, марка, товарный знак (товарный знак)/
(complete product name, type, kind, model, merchandise mark (trademark))

7412

(код(и) УКТ ЗЕД; ДК 016)
(код(ы) ТНВЭД; ДК 016)
(UKTZED code (s), DK 016)

Відповідає вимогам
Соответствует требованиям
Comply with the requirement

ГОСТ 12.2.063-81 ССБТ. Арматура промышленная трубопроводная. Общие требования безопасности,

(назва та позначення нормативних документів)
(название и обозначение нормативных документов) (name and denotation of normative documents)

Виробник(и) продукції
Изготовитель продукции
Manufacturer

' IBP Installfittings SP z.o.o ' 61-249, Poznan, ul. Obodrzycka 61, Польща

Сертифікат видано
Сертификат выдан
Certificate is issued on

' IBP Installfittings SP z.o.o ' 61-249, Poznan, ul. Obodrzycka 61, Польща

Схема сертифікації
Схема сертификации
Certification system

3 (сертифікація серійної продукції)

Додаткова інформація
Дополнительная информация
Additional information

Сертифікат поширюється на продукцію, що виготовляється серійно Додаток є невід'ємною частиною сертифіката

Сертифікат видано органом з оцінки відповідності
Сертификат выдан органом по оценке соответствия
Certificate is issued by the comformity assessment body

ТОВ "ЄВРО-ТИСК", 61057, м. Харків, вул. Пушкінська, 32, корп.3, Код ЄДРПОУ 36625992, тел/факс (057) 706-46-30, тел. 757-81-59, 757-81-60. www.tysk.com.ua

На підставі
На основании
Test report reference/ examination of technical documention

Висновку дослідження № TS.1О146.18-1389.05Д В від 14.06.2018 р. (ТОВ "ЄВРО-ТИСК", 61057, м. Харків, вул. Пушкінська, 32, корп.3)

Керівник органу з оцінки відповідності
Руководитель органа по оценке соответствия
Head of conformity assessment body

(підпис) (подпись) (signiture)

Е.І. Сердюков
(ініціали, прізвище)/ (инициалы, фамилия)/ (initials, family name)

М.П./М.П./Stamp

ЄВРО-ТИСК №36625992 Ф 20.1/А редакція від 01.06.2016 р. м. Харків

bsi.

By Royal Charter

Kitemark™ Certificate

This is to certify that:

Conex Universal Limited
Global House
95 Vantage Point
The Pensnett Estate
Kingswinford
DY6 7FT
United Kingdom

Holds Certificate Number: KM 643475

In respect of:

BS 8537
Press ends of plumbing fittings for use with metallic tubes

This issues the right and licence to use the Kitemark in accordance with the Kitemark Terms and Conditions governing the use of the Kitemark, as may be updated from time to time by BSI Assurance UK Ltd (the "Conditions"). All defined terms in this Certificate shall have the same meaning as in the Conditions.

The use of the Kitemark is authorized in respect of the Product(s) detailed on this Certificate provided at or from the above address.

For and on behalf of BSI:

Chris Lewis - Certification Director, Product Certification

First Issued: 2016-02-19
Latest Issue: 2018-11-21

Effective Date: 2018-11-21
Expiry Date: 2021-01-17

Page: 1 of 7

...making excellence a habit.™

This certificate has been issued by and remains the property of BSI Assurance UK Ltd, Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes MK5 8PP, United Kingdom and should be returned immediately upon request.
To check its validity telephone +44 (0) 345 080 9000. An electronic certificate can be authenticated online.

BSI Assurance UK Limited, registered in England under number 7805321 at 389 Chiswick High Road, London W4 4AL, UK.
A member of BSI Group of Companies.

WRAS
APPROVED PRODUCT
CERTIFICATION MARK

This certifies that

CONEX UNIVERSAL LTD

has had the undermentioned product examined, tested and found, when correctly installed, to comply with the requirements of the United Kingdom Water Supply (Water Fittings) Regulations and Scottish Water Byelaws.

CONEX RANGE OF >B< PRESS COPPER AND RED BRASS FITTINGS

The certificate by itself is not evidence of a valid WRAS Approval. Confirmation of the current status of an approval must be obtained from the WRAS Directory (www.wras.co.uk/directory)

The product so mentioned will be valid until the end of:

August 2022

1708707

Certificate No.

J Furnival

Secretary

K. Lusby

Chairman, Product Assessment Group

October 2014

5.0 >B< Press XL Approval Certificates

DVGW CERT

DVGW

CERT

DVGW type examination certificate

DVGW-Baumusterprüfzertifikat

DW-8511AU2335
Registration Number
Registriernummer

Field of Application ***Anwendungsbereich***	products of water supply *Produkte der Wasserversorgung*
Owner of Certificate ***Zertifikatinhaber***	IBP GmbH Theodor-Heuss-Straße 18, D-35440 Linden
Distributor ***Vertreiber***	IBP GmbH Theodor-Heuss-Straße 18, D-35440 Linden
Product Category ***Produktart***	installation systems and system joints: pipe joint for pipes in drinking water installation systems (8511)
Product Description ***Produktbezeichnung***	pressing joint made of copper respectevely redbrass, type M-MM, for pipes made of copper according DVGW worksheet GW 392, unpressed leaky
Model ***Modell***	>B< Press
Test Reports ***Prüfberichte***	laboratory control test: 120000187-19 from 29.07.2019 (MPM) type testing: 120005105 from 19.12.2018 (MPM) type testing: 120003894 from 28.02.2012 (MPM)
Test Basis ***Prüfgrundlagen***	DVGW W 534 (01.05.2004) DVGW CERT ZP 8500 (09.03.2017) UBA METALLE (21.11.2018) UBA ELASTOM (16.03.2016) DVGW W 270 (01.11.2007)
Date of Expiry / File No. ***Ablaufdatum / Aktenzeichen***	24.11.2024 / 20-0009-WNV

21.01.2020 LE A-1/2
Date, Issued by, Sheet, Head of Certification Body
Datum, Bearbeiter, Blatt, Leiter der Zertifizierungsstelle

DVGW CERT GmbH is an accredited body by DAkkS according to DIN EN ISO/IEC 17065:2013 for certification of products for energy and water supply industry.

DVGW CERT GmbH ist von der DAkkS nach DIN EN ISO/IEC 17065:2013 akkreditierte Stelle für die Zertifizierung von Produkten der Energie- und Wasserversorgung.

DAkkS
Deutsche Akkreditierungsstelle
D-ZE-16028-01-05

DVGW CERT GmbH
Zertifizierungsstelle
Josef-Wirmer-Str. 1-3
53123 Bonn
Tel. +49 228 91 88 - 888
Fax +49 228 91 88 - 993
www.dvgw-cert.com
info@dvgw-cert.com

bsi.

By Royal Charter

Kitemark™ Certificate

This is to certify that:

Conex Universal Limited
Global House
95 Vantage Point
The Pensnett Estate
Kingswinford
DY6 7FT
United Kingdom

Holds Certificate Number: KM 643475

In respect of:

BS 8537
Press ends of plumbing fittings for use with metallic tubes

This issues the right and licence to use the Kitemark in accordance with the Kitemark Terms and Conditions governing the use of the Kitemark, as may be updated from time to time by BSI Assurance UK Ltd (the "Conditions"). All defined terms in this Certificate shall have the same meaning as in the Conditions.

The use of the Kitemark is authorized in respect of the Product(s) detailed on this Certificate provided at or from the above address.

For and on behalf of BSI:

Chris Lewis - Certification Director, Product Certification

First Issued: 2016-02-19
Latest Issue: 2018-11-21

Effective Date: 2018-11-21
Expiry Date: 2021-01-17

Page: 1 of 7

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To check its validity telephone +44 (0) 345 080 9000. An electronic certificate can be authenticated online.

BSI Assurance UK Limited, registered in England under number 7805321 at 389 Chiswick High Road, London W4 4AL, UK.
A member of BSI Group of Companies.

WRAS
APPROVED PRODUCT

This certifies that

CONEX UNIVERSAL LTD

has had the undermentioned product examined, tested and found, when correctly installed, to comply with the requirements of the United Kingdom Water Supply (Water Fittings) Regulations and Scottish Water Byelaws.

>B< RANGE OF PRESS FITTINGS (64MM - 108MM)

The certificate by itself is not evidence of a valid WRAS Approval. Confirmation of the current status of an approval must be obtained from the WRAS Directory (www.wras.co.uk/directory)

The product so mentioned will be valid until the end of:

March 2021

1603062

Certificate No.

J Furnival

Secretary

K. Lindsay

Chairman, Product Assessment Group

Conex | Bänninger

Conex | Bänninger
>B< Press

Conex | Bänninger
>B< Press Gas

Conex | Bänninger
>B< Press Solar

Conex | Bänninger
>B< Press XL

Conex | Bänninger
>B< Press Carbon

Conex | Bänninger
>B< Press Inox

Conex | Bänninger
>B< MaxiPro

Conex | Bänninger
>B< ACR

K65

Conex | Bänninger
>B< Push

Conex | Bänninger
>B< Flex

Conex | Bänninger
>B< Oyster

Conex | Bänninger
>B< Sonic

Conex | Bänninger
Triflow Solder Ring

Conex | Bänninger
Delcop End Feed

Conex | Bänninger
Delbraze

Conex | Bänninger
Medical Gas

Conex | Bänninger
Valves

Conex | Bänninger
Conex Compression

Conex | Bänninger
Series 3000

Conex | Bänninger
Series 4000

Conex | Bänninger
Series 5000

Conex | Bänninger
Series 8000

Conex | Bänninger
OEM

United Kingdom
Conex Universal Limited

Spain
IBP Atcosa SL

Italy
IBP Bänninger Italia srl

USA
IBP Group LLC

Germany
IBP GmbH

France
Conex Bänninger SRL

Poland Sales, Marketing and Logistics
IBP Instalfittings Sp z.o.o.

China
IBP China

Tel: +44 (0)121 557 2831 | Fax: +44 (0)121 557 0185 | Email: salesuk@ibpgroup.com | Website: www.conexbanninger.com

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