VSH XPress

Union press-fit female x union end

S68FF/6359 Union

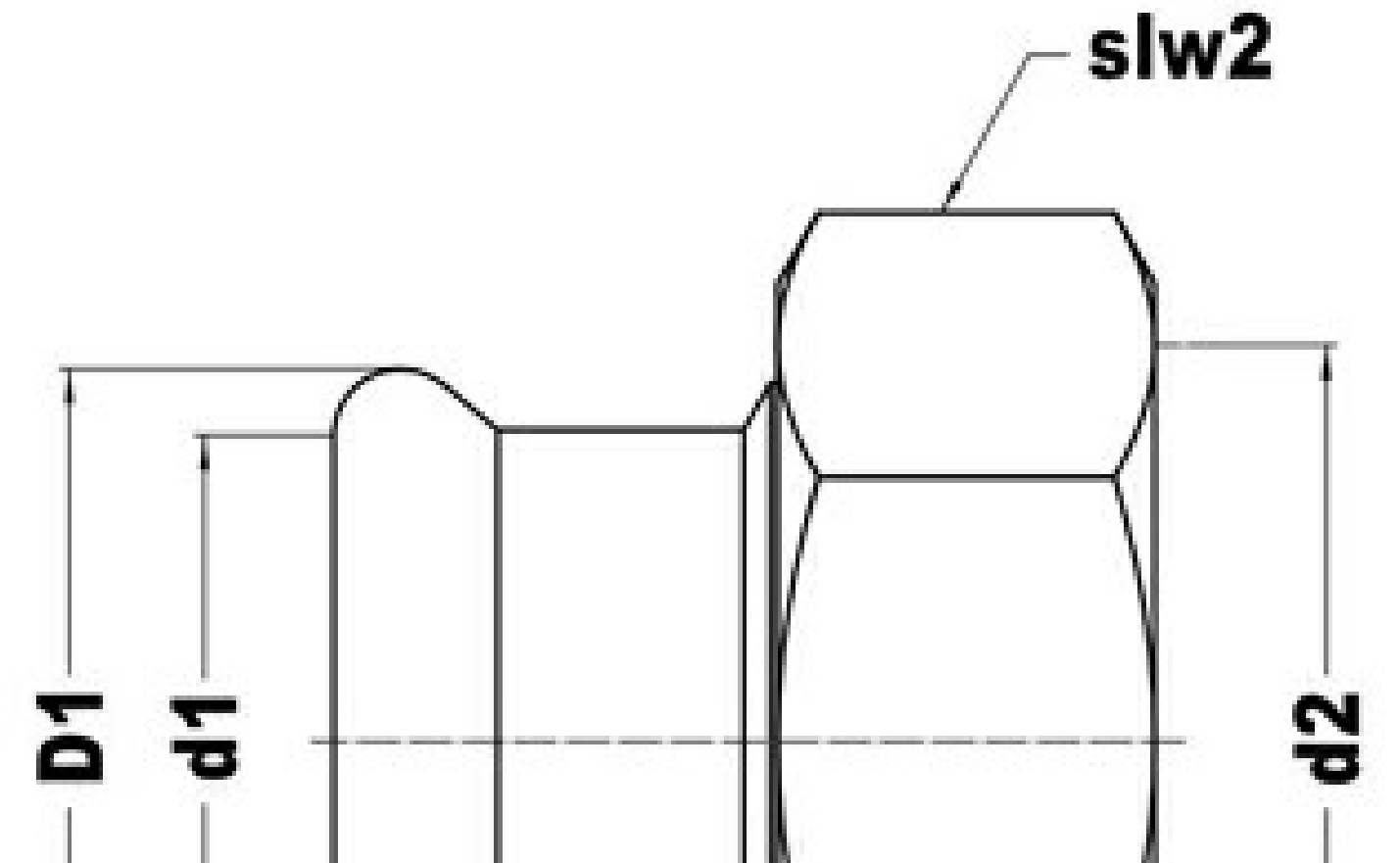


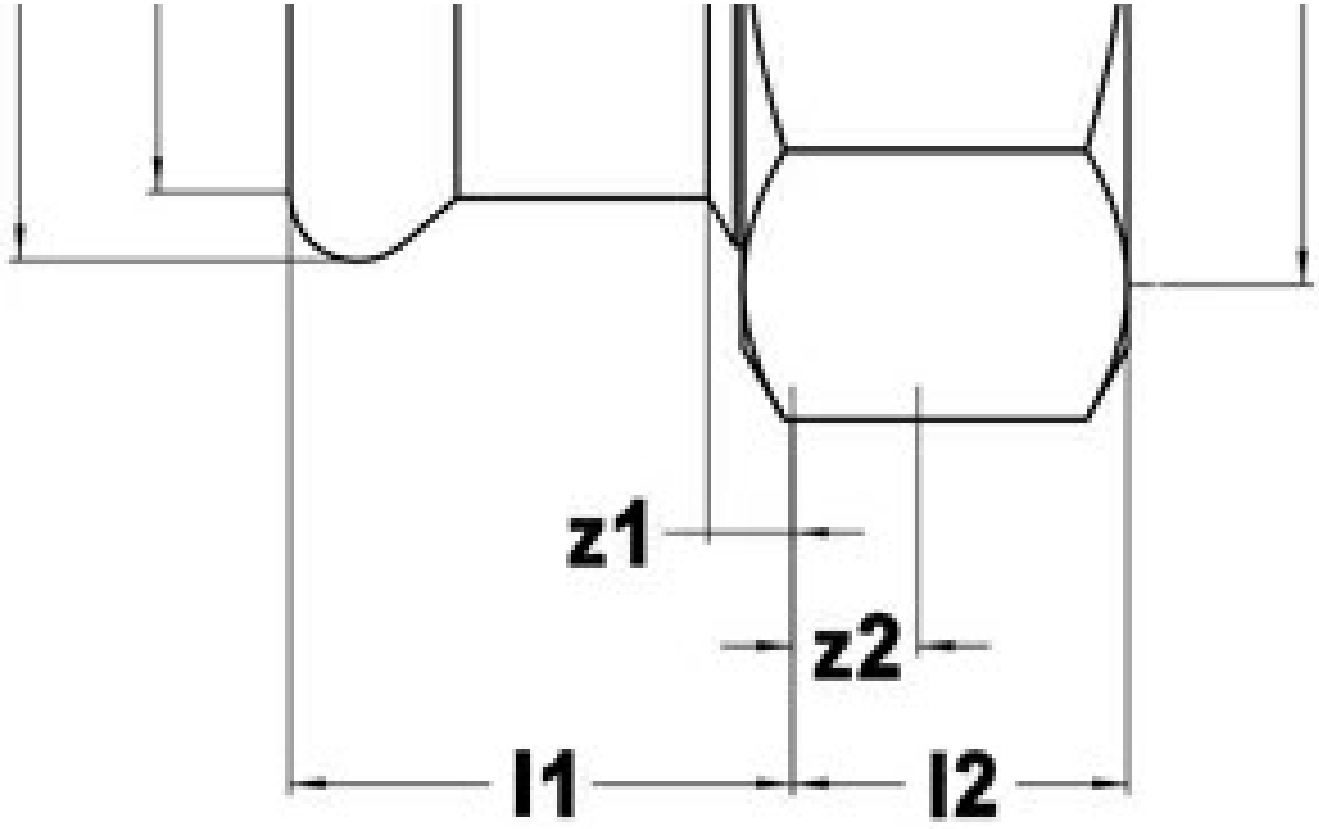
[General Information]

Size	Pattern No.	Pack 1 Qty	Pack 2 Qty	Code	Barcode	Price (£) each ex VAT
15mm x 3/4"	S68FF/6359	5	100	38235	5022050185150	£21.17
18mm x 3/4"	S68FF/6359	5	100	38237	5022050205018	£26.95
22mm x 1"	S68FF/6359	5	75	38238	5022050205063	£28.48
28mm x 1.1/4"	S68FF/6359	5	50	38239	5022050205117	£31.64
35mm x 1.1/2"	S68FF/6359	5	40	38242	5022050194459	£48.36
42mm x 1.3/4"	S68FF/6359	5	15	38243	5022050258014	£61.51
54mm x 2.3/8"	S68FF/6359	1	5	38244	5022050582775	£79.94

Code	Description	l1	d1	D1	es1	z1	slw1	sks1	l2	es2	z2	slw2	sks2	DN1	DN2
38235	15mm x 3/4" S68FF/6359	30	15	23	20	10	30	34	11	8	3	30	34	DN12	3/4" (DN20)
38237	18mm x 3/4" S68FF/6359	28	18	26	20	8	30	34	11	8	3	30	34	DN15	3/4" (DN20)
38238	22mm x 1" S68FF/6359	36	22	31	21	15	36	41	13	10	3	36	41	DN20	1" (DN25)
38239	28mm x 1.1/4" S68FF/6359	36	28	44	23	13	46	50	14	10	4	46	50	DN25	1 1/4" (DN32)
38242	35mm x 1.1/2" S68FF/6359	36	35	44	26	10	52	56	15	11	4	52	56	DN32	1 1/2" (DN40)
38243	42mm x 1.3/4" S68FF/6359	44	42	53	30	14	58	61	17	13	4	58	61	DN40	1 3/4"
38244	54mm x 2.3/8" S68FF/6359	52	54	65	35	17			11		4	75	79	DN50	2.3/8

Pegler Yorkshire reserve the right to change specifications





Guarantee

Pegler Yorkshire XPress Copper, Gas, Stainless and Solar fittings Guarantee - Terms and Conditions

Products are subject to a guarantee that is between Pegler Yorkshire and the final purchaser of the product. When correctly assembled with the stated tubes and pipe the length of guarantee is as follows:

25 Years
The Xpress Copper, Gas, Stainless and Solar ranges are guaranteed for 25 years when installed along with other manufacturers' pipeline components conforming to the specified standard.

30 Years
Where pipelines are constructed exclusively from compatible XPress Copper, Gas, Stainless and Solar fittings and tubes, the resulting installations will be deemed XPress Systems and qualify for a 30 year guarantee. Qualifying systems are:

- Xpress Copper fittings and Yorkex* copper tube
- Xpress Gas fittings and Yorkex* copper tube
- Xpress Stainless fittings and stainless steel 316 System tube
- Xpress Solar fittings and Kuterlon* copper tube

* Yorkex and Kuterlon are brand names of Yorkshire Copper Tube/KME Group

The guarantee is subject to proof of purchase being supplied.

This guarantee does not affect any statutory rights the consumer may have in law.

The guarantee covers manufacturing or material defects when installed in accordance with our instructions on specified tube materials and applications, and does not cover parts subject to normal wear and tear.

This product range has been designed for the use of homeowners, domestic and commercial applications and therefore the Guarantee is subject to the product being properly selected for their intended service conditions.

The guarantee is not applicable where the product is fitted contrary to the conditions in the fitting instructions.

This is reinforced where valves are covered by the European Pressure Equipment Directive (PED97/23/EC) where Installation, Operating and Maintenance Instructions are supplied with each product and/or carton.

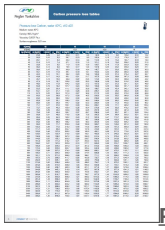
Provided it is installed correctly and receives adequate preventative maintenance it should give years of trouble–free service.

Abusive behaviour and accidental damage to the product are not covered by this guarantee.

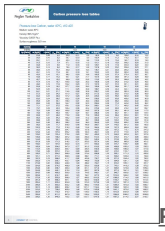
The extent of this liability is limited to the cost of the replacement of the defective item and not to installation or consequential damages.

Pressure and Temperature

XPress Fitting	Tube/pipe used with	Min temperature and pressure	Max temperature and pressure
XPress Copper	Copper	-24˚C at 16bar	110˚C at 16bar



Pressure Loss Tables: Copper Water



Pressure Loss Tables: Copper Compressed Air

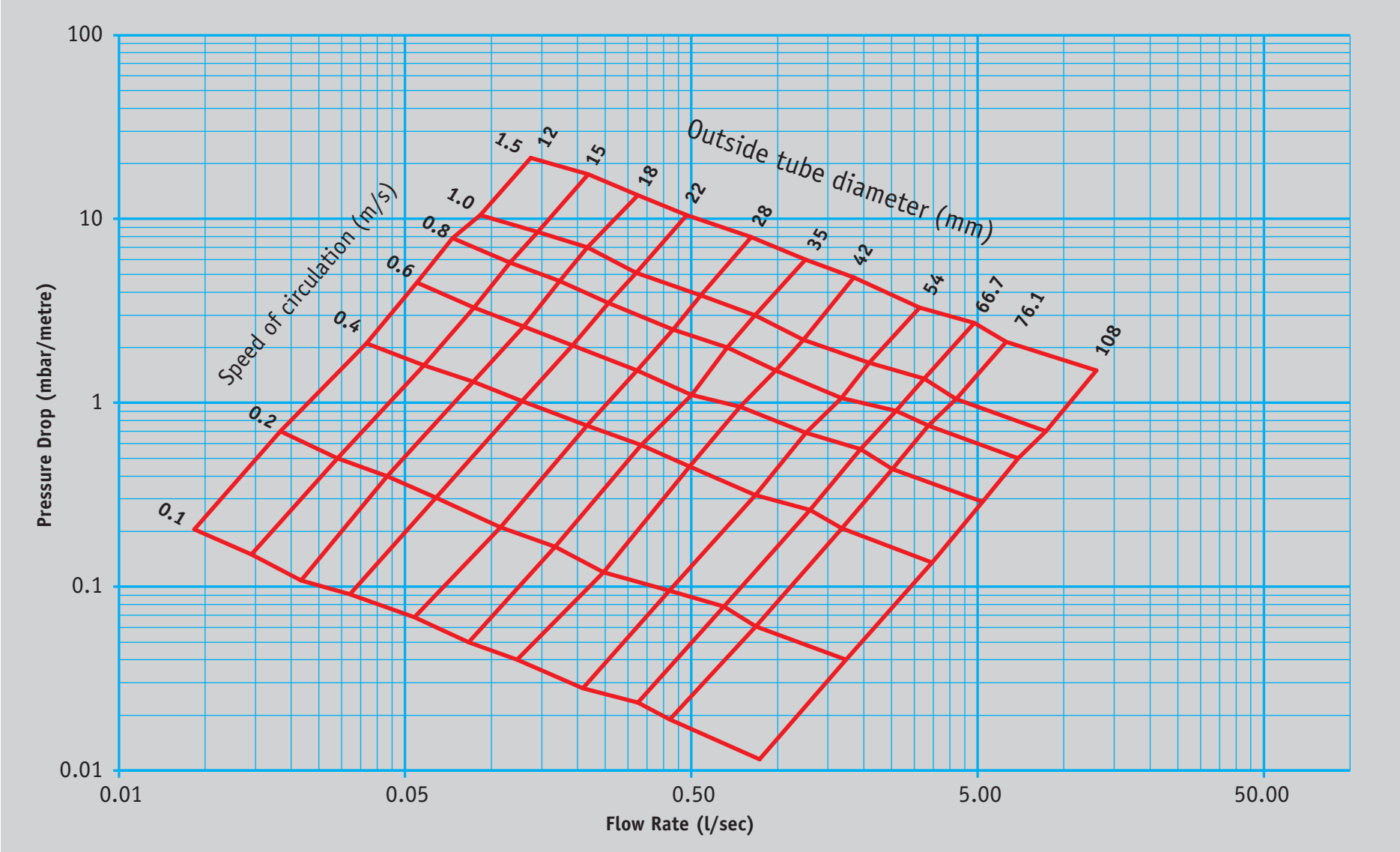
Care and Maintenance

Care
No regular aesthetic care is required for this product

Maintenance
No regular maintenance is required for this product.

For any further help please contact the Service Support Team on: 0800 1560050.

Flow charts - Head loss/Pressure loss





installation instructions

1. mark the socket depth:
Ensuring full socket depth is achieved is vital for the integrity of the joint. To check that the tube and fitting remains in the correct position throughout the pressing process you must mark the socket depth with a 'V-Tail' mark.

If using slip sockets elongate the V (as per picture) as the depth mark and V can be inserted past this mark.



Size	Depth
12mm	17mm
15mm	20mm
18mm	20mm
22mm	21mm
28mm	23mm
35mm	26mm
42mm	30mm
54mm	35mm
66.7mm	50mm
76.1mm copper	50mm
76.1mm stainless/carbon	55mm
88.9mm	64mm
108mm copper	64mm
108mm stainless/carbon	78mm



S110 - orange socket depth tool for copper tube



S111 - blue socket depth tool for carbon and stainless steel tube



by hand

2. check the O-ring seal:
Insert the tube into the fitting until it meets the tube stop, using the insertion depth mark as a visual aid.

Only when the tube reaches the tube stop should the pressing operation be commenced.

3. prepare the press-fit tool:
Select the correct combination of Press-tool, Jaws, Slings and adaptors for the joint being made.

note:

- always refer to the manufacturer's instructions for detailed information on how to operate your press-tool safely
- check that the press tool and relevant jaws/slings have been maintained in accordance with their servicing/ calibration schedule

Make the tool safe by isolating it from the power supply. Select the correct jaws/sling jaws/sling jaw adaptor for the joint being made, checking that they are free from damage. Attach the jaws/sling jaws/sling jaw adaptor to your press-tool, following the instructions for your particular press-tool, and reconnect the power supply when ready.

66.7mm (67mm) Sling (S330 Snap on sling)
Novopress offers alternative slings for use on different press systems. As such Pegler Yorkshire reinforces the following instruction.

Where 66.7mm slings are required for crimping XPress fittings, installers must only use the following XPress/ Novopress slings and adaptors:

Novopress reference	Sling marking	Novopress adaptor
36516-50	"Woeste" 67mm	ZB302 42-66.7mm
45184-50	"XPress" 66.7mm	ZB323 66.7-108mm

Under no circumstances should any other brand of sling be used with our 66.7mm fittings as these will lead to an incorrect crimp resulting in an immediate joint failure and invalidate the Pegler Yorkshire warranty.

XPress 66.7mm fittings that have inadvertently been crimped with the wrong brand of sling cannot be successfully re-crimped with the XPress 66.7 sling and will unfortunately have to be cut out and replaced with a new fitting using the correct sling.





note:

- Pegler Yorkshire 66.7mm will be referred to as 66.7mm and/or 67mm



note:

- Jaws for copper and steel differ at 108mm when pressing the sling stays in place and a second pressing operation is required

4. Dri-Slide lubricant

Use of S135 Dri-Slide lubricant is essential when jointing large sized fittings. The pressing profile groove of the sling jaws should be cleaned and lightly lubricated after every 50 joints for 42mm to 76.1mm sizes, and every 5 joints for 108mm. Dri-Slide should also be applied between the main sling arms and the moving segments; and along the pivot pins between the arms. Wipe clean any excess lubricant so that it does not come into contact with the fitting "O" ring.



When to lubricate

Size of fitting	42-76	108
Interval	50 joints	5 joints

note:

- Dri-Slide lubricant should never be used to lubricate the "O" ring

5. press the joint:

Mount the jaws/sling jaws over the bead at the mouth of the fitting. With the tool fully supported and not hanging from the pipework, and with your hands safelyaway from the joint, press the trigger or button to start the jointing cycle. When the jaws/sling jaws fully enclose the mouth of the fitting, the joint is complete. The jaw should then be released from around the fitting.



15 to 35mm



Pegler Yorkshire recommend the use of Sling Jaws for sizes 42 to 108mm



6. check the joint:

Inspect the finished joint making sure all is in order, when satisfied the joint has been made correctly mark the joint as complete.

- the socket depth mark you made indicates that full socket depth has been maintained throughout the pressing cycle
- the fitting and pipe bear the witness marks from your jaws/sling jaws

note:

- the 108mm joint is not fully made until the fitting has been through two pressing operations (Novopress only)
- maintain a 90° angle between the tube and jaws at all times, this is to ensure the integrity of the joint as well as protect the operator from 'kickback'
- the pressing operation should only be carried out when the tube is adequately supported by brackets, not when the tube is suspended in the fitting socket alone
- allow press-fit jaws to be attached without hindrance



- we recommend all systems are thoroughly pressure tested before hand over to end user. Refer to www.pegleryorkshire.co.uk for detailed recommendations, particularly regarding Carbon Steel installations



further details

Pegler Yorkshire Group Limited
St. Catherine's avenue / Doncaster
South Yorkshire / DN4 8DF / England
tel: +44 (0) 800 1560 050
email: tech.help@pegleryorkshire.co.uk
www.pegleryorkshire.co.uk

Kitemark™ Licence

This is to certify that:

Pegler Yorkshire Group Limited
Belmont Works
St. Catherines Avenue
Doncaster
DN4 8DF
United Kingdom

Holds Kitemark Licence Number: **KM 586758**

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 Licence 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 Licence provided at or from the above address.

For and on behalf of BSI:

Gary Fenton, Global Assurance Director

First Issued: 31/10/2012

Latest Issue: 6/03/2014

...making excellence a habit.™

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To check its validity telephone +44 (0)845 080 9000

Information and contact: BSI, Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes MK5 8PP. Tel: +44 845 080 9000.
BSI Assurance UK Limited, registered in England under number 7805321, at 389 Chiswick High Road, London, W4 4AL, UK.
A member of the BSI Group of Companies.

No. KM 586758

BS 8537:2010 - Copper and copper alloys. Plumbing fittings. Specification for press ends of plumbing fittings for use with metallic tubes.

PeglerYorkshire XPress range of press fittings suitable for use with hard and half-hard copper tube.

Type 1 Fittings

Ambient Temperature Range: 15°C to 95°C. Maximum Operating Pressure (MOP): 16 bar.

Available in any combination of press-end sizes: 12mm, 15mm, 22mm, 28mm, 35mm, 42mm, 54mm, 66.7mm, 76.1mm and 108mm.

Part Number	Description
S1/7270	Straight coupling
S1/R/7240	Reduced coupling
SI/Slip/7270S	Straight coupling slip pattern
S2/6270G	Straight female connector
S3/6243G	Straight male connector
S6/7243	Reducer
S7/6246/G	Female adapter
S8/6280G	Male adapter
S11/6330	Union coupling
S12/7002A	90° elbow
S12R/7002A	90° reduced elbow coupling
S12S/7001A	Street elbow
S13/6092G	Male elbow
S14/6090G	Female elbow
S15/6472G	Backplate elbow
S15L/6472L	Backplate elbow long pattern

Part Number	Description
S21/7041	Obtuse elbow
S21S/7040	Obtuse street elbow
S22/7086	Partial crossover
S23/7085	Full crossover
S24/7130	Equal tee
S25/7130	Tee reducing branch
S26/7130	Tee one end reduced
S27/7130	Tee one end and branch reduced
S28/7130	Tee both ends reduced
S30/6130G	Female branch tee
S61/7301	Stop end
S65F/6096G	90° connector
S68FF/6359	Union coupling
S69/6331G	Straight male union connector
S69F/6330G	Straight female union connector
S32/6131	Brass coupling with threaded port

Type 1 Fittings Materials

Material	Standard(s)	Composition	Relevant Fittings
Copper – SF-Cu	EN 1787	Cu 99.9% – P 0.015-0.040%	All copper fittings
Copper – Cu-DHP	EN 1652 EN 1653	Cu 99.9% – P 0.015-0.040%	6130, 7085, 7086, 7301
Brass	EN 1982 CC491K (Rg5)	CuSn5Zn5Pb5-C – Cu 83/87%, Ni 2%, P 0.1%, Pb 4/6%, Sn 4/6%, Zn 4/6%	All brass fittings
Brazing	DIN 2856 EN 1254-4	N/A	6090, 6092, 6472
Seals Superior EP1/1/5	EN681-1 WRAS	Ethylene-propylene elastomer. Peroxide cured.	All Type 1 fittings

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No. KM 586758

BS 8537:2010 - Copper and copper alloys. Plumbing fittings. Specification for press ends of plumbing fittings for use with metallic tubes (continued).

PeglerYorkshire XPress range of press fittings suitable for use with hard and half-hard copper tube.

Type 2 Fittings

Ambient Temperature Range: -20°C to +70°C. High Thermal Capacity: 650°C for 30 mins.

MOP: 5 bar (external above ground), 1 bar (within buildings that are subject to fire regulations).

Available in any combination of press-end sizes: 12mm, 15mm, 22mm, 28mm, 35mm, 42mm, 54mm, 66.7mm, 76.1mm and 108mm.

Part Number	Description
SG1/G7270	Straight coupling
SG1/Slip/G7270S	Straight coupling slip pattern
SG2/G6270G	Straight female connector
SG3/G6243G	Straight male connector
SG6/G7243	Reducer larger end male insertion to press fitting
SG11/G6340	Union coupling
SG12/G7002A	90° elbow coupling
SG12S/G7001A	Street elbow male end for insertion to press fitting
SG13/G6092G	Male elbow connector
SG14/G6090G	Female elbow connector
SG15/G6471G	Backplate elbow

Part Number	Description
SG21/G7041	Obtuse elbow
SG21S/G7040	Obtuse street elbow male end for insertion to press fitting
SG22/G7086	Partial crossover male end for insertion to press fitting
SG23/G7085	Full crossover
SG24/G7130	Equal tee
SG25/G7130	Tee reduced branch
SG26/G7130	Tee one end reduced
SG27/G7130	Tee one end and branch reduced
SG30/G6130G	Female branch tee
SG61/G7301	Stop end
SG68FF/SG6360	Flat faced union adapter

Type 2 Fittings Materials

Material	Standard(s)	Composition	Relevant Fittings
Copper – SF-Cu	EN 1787	Cu 99.9% – P 0.015-0.040%	All copper fittings
Copper – Cu-DHP	EN 1652 EN 1653	Cu 99.9% – P 0.015-0.040%	6130, 7085, 7086, 7301
Brass	EN 1982 CC491K (Rg5)	CuSn5Zn5Pb5-C – Cu 83/87%, Ni 2%, P 0.1%, Pb 4/6%, Sn 4/6%, Zn 4/6%	All brass fittings
Seals Superior TH5/03/1	EN 682 EN 549	HNBR - yellow	All type 2 fittings

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A member of the BSI Group of Companies.

No. KM 586758

Manufacturing Locations:

Pegler Yorkshire Group Ltd
Haigh Park Road
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Leeds
LS10 1RT
United Kingdom

and

Yorkshire Fittings Gyártó Kft
H-1106 Budapest
Maglódi út 16
Budapest
Hungary

First Issued: 31/10/2012 Latest Issue: 6/03/2014

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A member of the BSI Group of Companies.

Strojírenský zkušební ústav, s.p.
(Engineering Test Institute, Public Enterprise), Authorized Body 202
Hudcova 424/56b, 621 00 Brno, Czech Republic
Authorization Decision 27/2006 of 2006-08-29

DECISION

on the validity period extension of Construction Technical Certificate

STO-30-00426-11-rev. 1

Manufacturer:	Pegler Yorkshire Group Limited St. Catherines Avenue, DN4 8D Doncaster, South Yorkshire United Kingdom
Products:	XPress press-fit fittings
Type designation: Versions:	see Pages 2 to 7 see Pages 2 to 7
Place of manufacture:	YORKSHIRE Fittings Gyártó Kft. Maglódi út 16., H-1106 Budapešť Hungary

In accordance with the provisions of Section 10 of Act 22/1997 Coll., on technical requirements for products and on amendment to certain Acts, as amended, the abovementioned Authorized Body has verified Construction Technical Certificate STO-30-00426-11-rev. 1, issued on 2011-09-26. Whereas the data of the physical properties of the said products, their level and the ascertainment procedures with regard to essential requirements of Government 163/2002 Coll., as amended, have not changed, its validity is hereby extended until **2017-09-30**.

The rules for using the Decision are specified on Page 7.

This Decision shall become effective on 2014-10-01.

Brno, 2014-07-01

AUTORIZOVANÁ OSOBA 202 STROJÍRENSKÝ ZKUŠEBNÍ ÚSTAV, s.p. ÚNMZ 1

.....
Ing. Jiří Rozsíval, MBA
Deputy Director

Specification of types and versions:

XPress Copper press-fit fittings with pressed joints are made of CW024A (Cu-DHP) copper.
Press-fit fittings combined with threaded joints are made of CW617N (CuZn40Pb2) copper alloy.

Application: Domestic and commercial not directly buried installations inside or outside of buildings, for assembling of distribution systems transporting water (including potable water pursuant to Decree 409/2005 Coll.), heating water, pressure air and other non-corrosive fluids in copper pipes, at maximum operating pressure of 16 bar (1.6 MP) and operating temperatures from -24 °C to 110 °C. Fitting sizes from 12 mm up to 108 mm are intended for distribution of fluids.

Threads as per ČSN EN 10226-1:2005 (ČSN ISO 7-1:1996) or ČSN EN ISO 228-1:2003, according to the joint type.
Cap nut threads as per ČSN EN ISO 228-1:2003; fitting ends for flat seals.

Specification of versions:

Type	Description	Size
LBP press-fit fittings for jointing copper tube		
S1/7270	Straight coupling	12÷108
S1/7270S Slip	Straight coupling slip pattern	15÷108
S1R/7240	Straight reducing coupling	15÷54x12÷42
S2/6270G	Straight female connector	12÷64x3/8"÷2 ½"
S3/6243G	Straight male connector	12÷108x3/8"÷4"
S6/7243	Reducer	15÷108x12÷89
S7/6246G	Female adaptor	15÷54x1/2"÷2"
S8/6280G	Male adaptor	15÷42x1/2"÷1 ½"
S11/6330	Union coupling	15÷54
S12/7002A	Elbow	12÷108
S12S/7001A	Street elbow	12÷108
S13/6092G	Male elbow	12÷54x3/8"÷2"
S14/6090G	Female elbow	12÷54x3/8"÷2"
S15/6472G	Backplate elbow	12÷22x1/2"÷3/4"
S15L/6472L	Backplate elbow	15x1/2"
S19/7005	90°bend	15÷28
S21/7041	Obtuse elbow	12÷108
S21S/7040	Obtuse street elbow	12÷108
S22/7086	Partial crossover	15, 18, 22
S22S/7087	Street crossover	15, 18, 22
S23/7085	Full crossover	15, 18, 22
S24/7130	Equal tee	12÷108
S25/7130	Tee, reduced branch	15÷108x12÷76x15÷108
S26/7130	Tee, one end reduced	15÷35x15÷35x12÷28
S27/7130	Tee, one end and branch reduced	15÷54x12÷42x12÷42
S28/7130	Tee, both ends reduced	12÷28x15÷35x12÷28
S30/6130G	Female branch tee	12÷108x1/2"÷3/4"x12÷108
S32/6130G	Female branch tee with multi ports	67÷108x1/2"÷3/4"

Strojírenský zkušební ústav, s.p., Hudcova 56b, 621 00 Brno, Česká republika
Engineering Test Institute, public enterprise, Hudcova 56b, 621 00 Brno, Czech Republic
www.szutest.cz

AUTORIZOVANÁ OSOBA
ÚNMZ

Type	Description	Size
S60/S302	Stop end	35, 42, 54
S61/7301	Stop end	12÷108
S65F/6096G	Straight female union elbow connector	12÷54x1/2"÷2"
S68FF/6359	Union	15÷42x3/4"÷1 ¾"
S69/6331G	Straight male union connector	12÷54x3/8"÷2"
S69F/6330G	Straight female union connector	12÷54x1/2"÷2"
Chromium plated press-fit fittings for jointing chromium plated copper tube		
S1CP/7270CP	Straight coupling	12÷22
S1SCP/7270SCP	Slip Straight reducing coupling	15
S1RCP/7240SCP	Straight reducing coupling	15x12, 22x15
S2CP/6270GCP	Straight female connector	12÷15x3/8"÷1/2"
S3CP/6243GCP	Straight male connector	12÷15x3/8"÷1/2"
S6CP/7243	Reducer	15÷22x12÷15
S8CP/6280GCP	Male adaptor	15x1/2"
S12CP/7002ACP	Elbow	12, 15, 22
S12SCP/7001ACP	Street elbow	12, 15, 22
S13CP/6092GCP	Male elbow	12x1/2", 15x1/2"
S14CP/6090GCP	Female elbow	12x3/8", 15x1/2"
S15CP/6472GCP	Backplate elbow	12x1/2", 15x1/2"
S21CP/7041CP	Obtuse elbow	12, 15
S21SCP/7040CP	Obtuse street elbow	12, 15
S22CP/7086CP	Partial crossover	15
S23CP/7085CP	Full crossover	15
S24CP/7130CP	Equal tee	12, 15, 22
S25CP/7130CP	Tee, reduced branch	15x12x15, 22x15x22
S26CP/7130CP	Tee, one end reduced	15x15x12
S27CP/7130CP	tee, one end and branch reduced	15x12x12
S30CP/6130GCP	Female branch tee	15x1/2"x15
S61CP/7301CP	Stop end	15
S68FFCP/6359CP	Union	15x3/4"



XPress Copper Gas press-fit fittings with pressed joints are made of CW024A (Cu-DHP) copper. Press-fit fittings combined with threaded joints are made of CW617N (CuZn40Pb2) copper alloy.

Application: Domestic and commercial not directly buried installations inside or outside of buildings, for assembling of distribution systems transporting gases of the first, second and third family specified in ČSN EN 437+A1:2009 in copper pipes, at maximum operating pressure of 5 bar and operating temperature from -20 °C to 70 °C. Fitting sizes from 15 mm up to 54 mm are intended for distribution of gaseous fuels.

Nominal diameter of the fitting end = outside diameter of the joined pipe, in mm: 15, 18, 22, 28, 35, 42, and 54.
Thread sizes in inches: ½, ¾, 1, 1¼, 1½, 2. Threads as per ČSN EN 10226-1:2005 (ČSN ISO 7-1:1996) or ČSN EN ISO 228-1:2003, according to the joint type.
Cap nut thread sizes in inches: ⅞, 1⅛, 1⅝. Threads as per ČSN EN ISO 228-1:2003, fitting ends for flat seals.

Specification of versions:

Copper press-fit fittings for gas services		
SG1/G7270	Straight coupling	15÷54
SG1S/G7270SG Slip	Straight coupling slip pattern	15÷54
SG2/G6270G	Straight female connector	15÷54x1/2"÷2"
SG3/G6243G	Straight male connector	15÷54x1/2"÷2"
SG6/G7243	Reducer	18÷54x15÷42
SG11/G6330	Union coupling	15÷54
SG12/G7002A	Elbow	15÷54
SG12S/G7001A	Street elbow	15÷54
SG13/G6092G	Male elbow	15÷54x1/2"÷2"
SG14/G6090G	Female elbow	15÷54x1/2"÷2"
SG15/G6471G	Backplate elbow	15÷22x1/2"÷3/4"
SG21/G7041	Obtuse elbow	15÷54
SG21S/G7040	Obtuse street elbow	15÷54
SG22/G7086	Street crossover	15, 18, 22
SG22S/7087	Full crossover	15, 18, 22
SG23/G7085	Crossover	15, 18, 22
SG24/G7130	Equal tee	15÷54
SG25	Tee, reduced branch	18÷54x15÷42x18÷54
SG26/G7130	Tee, one end reduced	22x22x15
SG27/G7130	Tee, one end and branch reduced	22x15x15
SG30/G6130G	Female branch tee	15÷54x1/2"÷3/4"x15÷54
SG61/G7301	Stop end	15÷54
SG68FF/G6360	Union	15x7/8",22x1 1/8", 28x1 3/8"

AUTORIZOVANÁ OSOBA 202 STROJÍRENSKÝ ZKUŠEBNÍ ÚSTAV, n.p. ÚNMZ 1

Strojírenský zkušební ústav, s.p., Hudcova 56b, 621 00 Brno, Česká republika
Engineering Test Institute, public enterprise, Hudcova 56b, 621 00 Brno, Czech Republic
www.szutest.cz

XPress Stainless press-fit fittings with pressed and threaded joints are made of AISI 316-DIN 1.4401 stainless steel.

Application: Domestic and commercial not directly buried installations inside or outside of buildings, for assembling of distribution systems transporting water (including potable water pursuant to Decree 409/2005 Coll.), heating water, pressure air and other non-corrosive fluids in steel pipes, at maximum operating pressure of 16 bar (1.6 MPa) and operating temperature from -20 °C to 110 °C. Fitting sizes from 15 mm up to 108 mm are intended for distribution of fluids.

Threads as per ČSN EN 10226-1:2005 (ČSN ISO 7-1:1996) or ČSN EN ISO 228-1:2003, according to the joint type.
Cap nut threads as per ČSN EN ISO 228-1:2003, fitting ends for flat seals.

Specification of versions:

Type	Description	Size
LBP 316 stainless steel press-fit jointing system		
SS1	Straight coupling	15÷108
SS1S	Slip	15÷108
SS2	Straight female connector	15÷54x1/2"÷2"
SS3	Straight male connector	15÷54x1/2"÷2"
SS6	Reducer	18÷108x15÷89
SS12	Elbow	15÷108
SS12S	Street elbow	15÷108
SS13	Male elbow	15÷54x1/2"÷2"
SS14	Female elbow	15÷35x1/2"÷1 1/4"
SS19S	30° bend	35, 42, 54
SS21	Obtuse elbow	15÷108
SS21S	Obtuse street elbow	15÷108
SS24	Equal tee	15÷108
SS25	Tee, reduced branch	18÷108x15÷89x18÷108
SS30	Female branch tee	15÷108x1/2"÷2"x15÷108
SS61	Stop end	15÷108
SS69	Straight male union connector	12÷54x1/2"÷2"
SS69F	Straight female union connector	12÷54x1/2"÷2"



XPress Carbon press-fit fittings with pressed and threaded joints are made of RSt 34-2 (1.0034) carbon steel.

Application: Domestic and commercial not directly buried installations inside or outside of buildings, for assembling of distribution systems carrying water not intended for human consumption, heating water, pressure air and other non-corrosive fluids in steel pipes, at maximum operating pressure of 16 bar (1.6 MPa) and operating temperature from -20 °C to 110 °C. Fitting sizes from 15 mm up to 108 mm are intended for distribution of fluids.

Threads as per ČSN EN 10226-1:2005 (ČSN ISO 7-1:1996) or ČSN EN ISO 228-1:2003, according to the joint type.
Cap nut threads as per ČSN EN ISO 228-1:2003, fitting ends for flat seals.

Specification of versions:

Type	Description	Size
LBP 316 stainless steel press-fit jointing system		
SC1	Straight coupling	15÷108
SC1S	Slip	15÷108
SC2	Straight female connector	15÷28x1/2"÷1"
SC3	Straight male connector	15÷67x3/8"÷2 1/2"
SC6	Reducer	18÷108x15÷89
SC12	Elbow	15÷108
SC12S	Street elbow	15÷108
SC13	Male elbow	15÷54x3/8"÷2"
SC21	Obtuse elbow	15÷108
SC22S	Partial crossover	15÷28
SC24	Equal tee	15÷108
SC25	Tee, reduced branch	18÷108x15÷89x18÷108
SC28	Tee, both ends reduced	15x18x15, 15x22x15, 22x28x22
SC30	Female branch tee	15÷108x1/2"÷3/4"x15÷108
SC61	Stop end	15÷108
SC69	Straight male union connector	15÷54x1/2"÷2"
SC69F	Straight female union connector	15÷54x1/2"÷2"

AUTORIZOVANÁ OSOBA 202
STROJÍRENSKÝ ZKUŠEBNÍ ÚSTAV, s.p.
ÚNMZ
1

XPress Stainless gas press-fit fittings with pressed and threaded joints are made of AISI 316-DIN 1.4401 stainless steel.

Application: Domestic and commercial not directly buried installations inside or outside of buildings, for assembling of distribution systems transporting gases of the first, second and third family specified in ČSN EN 437+A1:2009 in steel pipes, at maximum operating pressure of 5 bar and operating temperature from -20 C to 70 C. Fitting sizes from 15 mm up to 54 mm are intended for distribution of gaseous fuels.

Threads as per ČSN EN 10226-1:2005 (ČSN ISO 7-1:1996) or ČSN EN ISO 228-1:2003, according to the joint type.
Cap nut threads as per ČSN EN ISO 228-1:2003, fitting ends for flat seals.

Specification of versions:

Copper press-fit fittings for gas services		
SSG1	Straight coupling	15÷54
SSG1S	Straight coupling slip pattern	15÷54
SSG2	Straight female connector	15÷54x1/2"÷2"
SSG3	Straight male connector	15÷54x1/2"÷2"
SSG6	Reducer	122÷54x15÷42
SSG12	Elbow	15÷54
SSG12S	Street elbow	15÷54
SSG13	Male elbow	15÷35x1/2"÷1 1/4"
SSG14	Female elbow	15÷35x1/2"÷1 1/4"
SSG15	Backplate elbow	15÷22x1/2"÷3/4"
SSG21	Obtuse elbow	15÷54
SSG21S	Obtuse street elbow	15÷54
SSG24	Equal tee	15÷54
SSG25	Tee, reduced branch	22÷54x15÷42x22÷54
SSG30	Female branch tee	15÷54x1/2"÷2"x15÷54
SSG61	Stop end	15÷54

RULES FOR USING THE DECISION:

This Decision shall only be used in conjunction with Construction Technical Certificate STO-30-00426-11-rev.1 of 2011-09-26.

Unauthorised or deceptive use of the Decision may result in its withdrawal.

It is prohibited to change, amend or overwrite the data contained in the Decision.

This Decision may not be used for the products changed without the consent of the Engineering Test Institute, Public Enterprise, in such a way that conformity with the Construction Technical Certificate has been affected.

The Construction Technical Certificate and the Decision on its validity period extension cannot be used as documents of conformity assessment.

AUTORIZOVANÁ OSOBA 202 STROJÍRENSKÝ ZKUŠEBNÍ ÚSTAV, S.P. ÚNMZ 1

WRAS
APPROVED PRODUCT
CERTIFICATION MARK

This certifies that

PEGLER YORKSHIRE GROUP 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.

XPRESS'RANGE OF PRESS FIT 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:

September 2021

1609089

Certificate No.

J Furnival

Secretary

K. Hesby

Chairman, Product Assessment Group

October 2014

Type Approval and decision on production control

0715/00

XPress , Press-fit fittings

Holder/Issued to

Pegler Yorkshire Group Ltd

St. Catherine´s Avenue, Doncaster, South Yorkshire, DN4 8DF.
VAT number: GB 418013192
Phone: +44 1302 560 240, Fax: +44 1302 560 203
Web: www.pegleryorkshire.co.uk

Product description

XPress press-fit fitting consists of body manufactured from copper or dezincification resistant brass alloy. Fittings are available whit different design in following sizes: 12, 15, 18, 22, 28, 35, 42, 54, 64, 76.1, 88.9 and 108 mm. Fittings have O-rings that are designed to leak in unpressed condition. Press-fit fittings are mounted on copper tubes and joining together using an electromechanical tool which compresses the coupling on the pipe.

Intended use

Press-fit fittings for domestic hot and cold water where the water quality is comparable with water from the municipal facility and at rates which not cause corrosion.
Press-fit fittings in dimensions 12-108 mm are designed for jointing soft (R220), half hard (R250) and hard (R290) unplated copper tube in tap water installations.
Support sleeve must be used when joining soft copper pipes.
At installation a press tool recommended by approval holder shall be used.

Trade name

XPress fitting in copper and brass.

Approval

The product satisfy the requirements set forth in chapter 8, 4 § 3 PBL, in respect to and under conditions stated in this certificate, and are therefore approved in accordance with the provisions of the following sections of Boverket Building Regulations (BBR):

Tap water installations*	6:62, 1st sentence and 2nd paragraph and general recommendation
Design	6:625, 1st and 4th paragraph

*Fittings complies with Boverkets (the National Board of Housing, Building and Planning) updated threshold value for max. amount of dissolved lead as described in BBR 21, 2014-06-17.

Associated documents

Installation instruction, XPress kopplingar i koppar och mässing, dated 2012-02-20.

RISE Research Institutes of Sweden AB | Certification
Box 857, SE-501 15 Borås, Sweden
Phone: +46 10-516 50 00
certifiering@ri.se| www.ri.se

2017-07-05
7P02325

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Control

The factory production control (FPC) is monitored by an independent inspection body.
Control agreement: no 132, Inspection body: Danish Technological Institute.

When the building proprietor performs inspection at the building site, markings shall be checked to ensure that the correct products have been supplied and that they are used in accordance with the conditions in this approval and associated documents. Further the product shall be accompanied by a manufacturer's assurance, certifying that the product has been manufactured in accordance with the documents on which this approval is based.

Manufacturing place

Production control includes the following place:
Pegler Yorkshire Budapest Hungary.

Marking

The products are to be marked at the factory. The marking consists of a text on fittings and a label on every packing supplied and includes:

Fittings are marked with:

Brand name	**XPress**
Manufacturer	**RYW**
Dimension	**mm**

Packagings are marked with:

Approval holder	**Pegler Yorkshire Ltd**
Boverket's registered trademark	**Ⱶ**
Certification body and accreditation number	**RISE Certifiering 1002**
Product type designation	**product type**
Approval number	**0715/00**
Dimension	**mm**
Consecutive manufacture date	**date**
Inspection body	**DTI**

Basis for judgement/approval

Reports no. 12 0354 898, 12000382, 12001086, 120002446, 12 0001607-1 and 12 0001607-15 from MPA NRW, Germany.
Report 701990-1 from DTI, Danish Technological Institute.

Comments

The fittings are approved in accordance with NKB Product Rules no. 12
"Mechanical couplings of metal for copper pipes for drinking water installations".

This approval supersedes the previous approval with the same number dated 22 January 2012

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Validity

Valid through 2022-10-22.

The validity of this approval expires when the characteristics included in this approval shall be CE-marked according to the Construction Products Regulation (EU) 305/2011.

Stefan Coric

Marcus Tillman

This is a translation from the Swedish original document. In the event of any dispute as to its content, the Swedish text shall take precedence.

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CSTB
le futur en construction

Organisme certificateur
Certification body

Certificat

Systèmes de canalisations de distribution d'eau
Chauffage et distribution sanitaire

XPRESS

Le CSTB atteste que le produit ci-dessus est conforme à des caractéristiques décrites dans le référentiel de certification QB 08 Systèmes de canalisations de distribution d'eau 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	**PEGLER YORKSHIRE LTD**
	St. Catherine's Avenue - DONCASTER - GB - DN4 8DF SOUTH YORKSHIRE
Usine	**HU - 1106 BUDAPEST**

le droit d'usage de la marque QB 08 Systèmes de canalisations de distribution d'eau 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.

-149-2139

Décision de reconduction n° 3661-149-2139 du 3 décembre 2018. Cette décision se substitue à la décision de reconduction n° 2960-149-2139 du 8 février 2016

Sauf retrait, suspension, ou modification, ce certificat est valable jusqu'au 31/12/2020. 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°14/15-2139

NATURE DU SYSTEME : Raccords métalliques à sertir

- 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 Directeur Technique

Yannick LEMOIGNE

CENTRE SCIENTIFIQUE ET TECHNIQUE DU BÂTIMENT
84 avenue Jean Jaurès – Champs-sur-Marne – 77447 Marne-la-Vallée cedex 2
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ACCREDITATION N° 5-0010 Scope available on / Portée disponible sur www.cofrac.fr
CERTIFICATION DE PRODUITS ET SERVICES

CSTB le futur en construction

Organisme certificateur
Certification body

Certificat

Systèmes de canalisations de distribution d'eau
Chauffage et distribution sanitaire
XPRESS

Le CSTB atteste que le produit ci-dessus est conforme à des caractéristiques décrites dans le référentiel de certification QB 08 Systèmes de canalisations de distribution d'eau 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	**PEGLER YORKSHIRE LTD**
	St. Catherine's Avenue - DONCASTER - GB - DN4 8DF SOUTH YORKSHIRE
Usine	**FR - 45550 ST DENIS DE L'HOTEL**

le droit d'usage de la marque QB 08 Systèmes de canalisations de distribution d'eau 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.

-91-2139

Décision de reconduction n° 3662-91-2139 du 3 décembre 2018. Cette décision se substitue à la décision d'admission n° 2961-91-2139 du 8 février 2016

Sauf retrait, suspension, ou modification, ce certificat est valable jusqu'au 31/12/2020. 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°14/15-2139

NATURE DU SYSTEME : Raccords métalliques à sertir

- 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 Directeur Technique

Yannick LEMOIGNE

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ÖSTERREICHISCHE VEREINIGUNG FÜR DAS GAS- UND WASSERFACH

Österreichische Vereinigung für das Gas- und Wasserfach
A-1010 Wien, Schubertring 14
Telefon: +43 / 1 / 513 15 88-0* / Telefax: +43 / 1 / 513 15 88-25
E-Mail: office@ovgw.at / Internet: www.ovgw.at

Akkreditiert durch das Bundesministerium
für Wissenschaft, Forschung und Wirtschaft

ÖVGW-Zertifikat

über die Verleihung des Rechtes zur Führung der ÖVGW-Qualitätsmarke Wasser

Registrierungsnummer

W 1.743

Geltungsdauer

bis Ende März 2020

Inhaber

Pegler Yorkshire Group Ltd
St. Catherines Avenue
DN4 8DF Doncaster
Großbritannien

◆ Vertrieb in Österreich

Seppelfricke-Simplex Armaturen Austria GmbH
Arlbergstraße 139
6900 Bregenz

Hersteller

Pegler Yorkshire Group Ltd / GB

Prüfungsart

Erstprüfung

Prüfbericht

TGM - VA HL 8447 27. Jänner 2017

Qualitätsstandards/Prüfrichtlinien

- QS-W 402 Ausgabe November 2016

Produkt

Rohrleitungssystem für die Warm- und Kaltwasserinstallation

XPress Wasser

Pressverbinder (Typ: M-MM) aus Kupferwerkstoffen (unverpresst undicht) für Kupferrohre

R220
in den Dimensionen 12, 15, 18, 22 mm Ø

R250
in den Dimensionen 12, 15, 18, 22, 28 mm Ø

R290
in den Dimensionen 22, 28, 35, 42, 54, 76,1, 88,9, 108 mm Ø

nach EN 1057

Weitere Angaben siehe Seite 2

ZVR 818158001

Die Verleihung erfolgt unter Zugrundelegung der Allgemeinen Geschäftsbedingungen GW 30 ÖVGW-Qualitätsmarke Produkte Gas & Wasser „Voraussetzungen für die Zuerkennung der ÖVGW-Qualitätsmarke für Produkte der Gas- und Wasserversorgung."

Wien, am 6. September 2017

Dipl.-Ing. (FH) Alexander Schwanzer
Leiter der ÖVGW-Zertifizierungsstelle

ÖSTERREICHISCHE VEREINIGUNG FÜR DAS GAS- UND WASSERFACH

Österreichische Vereinigung für das Gas- und Wasserfach
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für Wissenschaft, Forschung und Wirtschaft

ÖVGW GEPRÜFT

Akkreditierung Austria A 0922 ISO/IEC 17065

Produkt (Fortsetzung)

mit der Systemtechnik in den Ausführungen:

Art. Nr.	Bezeichnung	Dimension (mm Ø)
7270	Muffe	12, 15, 18, 22, 28, 35, 42, 54, 64, 76,1, 88,9, 108
7270S	Schiebemuffe	15, 18, 22, 28, 35, 42, 54, 76,1, 88,9, 108
7002A	Bogen 90°	12, 15, 18, 22, 28, 35, 42, 54, 64, 76,1, 88,9, 108
7001A	Bogen 90° mit Einschiebende	12, 15, 18, 22, 28, 35, 42, 54, 76,1, 88,9, 108
7041	Bogen 45°	12, 15, 18, 22, 28, 35, 42, 54, 76,1, 88,9, 108
7040	Bogen 45° mit Einschiebende	12, 15, 18, 22, 28, 35, 42, 54, 76,1, 88,9, 108
7086	Sprungbogen mit Einschiebende	15, 18, 22
7005	Passbogen 90° mit zwei Einschiebenden	15, 18, 22, 28
7087	Sprungbogen mit zwei Einschiebenden	15, 18, 22
7085	Sprungbogen	15, 18, 22
7130	T-Stück	12, 15, 18, 22, 28, 35, 42, 54, 64, 76,1, 88,9, 108
7125	T-Stück reduziert	12, 15, 18, 22, 28, 35, 42, 54, 76,1, 88,9, 108
7126	T-Stück reduziert	12, 15, 18, 22, 28, 35
7127	T-Stück reduziert	12, 15, 18, 22, 28, 35, 42, 54
7128	T-Stück reduziert	12, 15, 18, 22, 28, 35
6130G	T-Stück IG	12, 15, 18, 22, 28, 35, 42, 54, 76,1, 108
7243	Reduzierstück mit Einschiebende	15, 18, 22, 28, 35, 42, 54, 64, 76,1, 88,9, 108
7240	Reduziermuffe	12, 15, 18, 22, 28, 35, 42, 54
6243G	Übergangsstück AG	12, 15, 18, 22, 28, 35, 42, 54, 64, 76,1, 88,9, 108
6270G	Übergangsstück IG	12, 15, 18, 22, 28, 35, 42, 54, 64
6280G	Übergangsstück mit Einschiebende und AG	15, 18, 22, 28, 35, 42
6246G	Übergangsstück mit Einschiebende und IG	15, 18, 22, 28, 35, 42, 54
6092G	Übergangswinkel 90° AG	12, 15, 18, 22, 28, 35, 42, 54
6096G	Übergangswinkel 90° IG	12, 15, 18, 22, 28, 35, 42, 54
6090G	Übergangswinkel 90° IG	12, 15, 18, 22, 28, 35, 42, 54
6359	Anschlussverschraubung IG	15, 18, 22, 28, 35, 42, 54
6330	Durchgangsverschraubung	15, 18, 22, 28, 35, 42, 54
6331G	Durchgangsverschraubung AG	12, 15, 18, 22, 28, 35, 42, 54
6330G	Durchgangsverschraubung IG	12, 15, 18, 22, 28, 35, 42, 54
6490	Doppelt Deckenwinkel IG	12, 15
6472G	Deckenwinkel 90° IG	12, 15, 18, 22
6472L	Deckenwinkel 90° lang IG	15
7510	Übergangsflansch	76,1, 88,9, 108
7520	Übergangsflansch mit Einschiebende	76,1, 108
6131G	Multiportkupplung	76,1, 88,9, 108
S302	Stopfen mit Einschiebende	35, 42, 54
7301	Verschlusskappe	12, 15, 18, 22, 28, 35, 42, 54, 76,1, 88,9, 108
S1283	Stützhülse für Wicu Rohr mit Einschiebende	12, 15, 18, 22, 28

maximaler Betriebsdruck 10 bar
Betriebstemperatur bis 85 °C



Dipl.-Ing (FH) Alexander Schwanzer
Leiter der ÖVGW-Zertifizierungsstelle