

Prestex

Elbow, copper x female iron

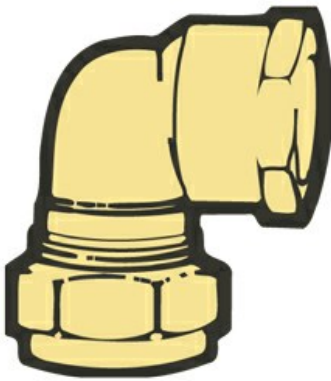
46 Adaptor



General Information

Size	Pattern No.	Pack 1 Qty	Pack 2 Qty	Code	Barcode	Price (£) each ex VAT
15mm x 1/2"	46	5	120	720017	5013866019609	£17.34
22mm x 1/2"	46	5	100	720028	5013866019623	£26.72
22mm x 3/4"	46	5	65	720038	5013866019630	£25.58
22mm x 1"	46	5	45	720048	5013866019647	Disc(Out of Stock) Discontinued 17/09/2021
28mm x 1"	46	5	40	720049	5013866019654	£44.00

46 Adaptor



Dimensions

Code	Description	A	B
720017	15MMX1/2 46 ELBOW CXF	33	26
720028	22MMX1/2 46 ELBOW CXF	39	25
720038	22MMX3/4 46 ELBOW CXF	39	32
720049	28MMX1 46 ELBOW CXF	47	39

Pegler Yorkshire reserve the right to change specifications

Guarantee

Fittings

Pegler Customcare 25 Year Guarantee - Terms and Conditions

Products are subject to a 25 year guarantee that is between Pegler and the final purchaser of the product.

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 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.

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 fitting or consequential damages.

Pressure and Temperature

Description	Minimum Operating Pressure (bar)	Maximum Cold Working Pressure (bar)	Maximum Hot Working Pressure (bar)
46 Female Elbow	No Minimum Operating Pressure	16.0 bar at temperatures up to 30oC	5.0 bar at temperatures up to 120oC

Care and Maintenance

Care

This product does not require any regular aesthetic care.

Maintenance

No maintenance is required for this product; if possible a visual inspection can be undertaken for any accidental knocks. Do not attempt to over tighten as this will not produce a better joint.

For any further maintenance issues please contact your local qualified installer.

If your product is under warranty please contact the Service Support Team on: 0800 1560050.

Regulations

Regulations

It is important to ensure that the water supplies to your waste are connected in accordance with the water regulations (WRAS) requirements and good plumbing practice.

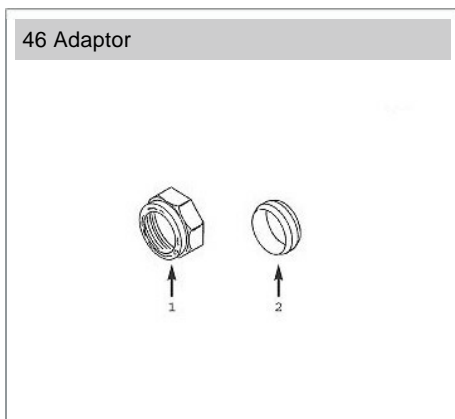
This product complies to EN1254 and the kitemark standard and is documented in the WRAS Water fittings directory.

Materials

Component

Material

Body	Forged Brass (15-28mm) Cast Brass (35-54mm)
Capnut	Forged Brass
Cone	Brass



Spare Key	Description	Code	Barcode	Date From	Date To	Price (£) ex VAT
1						
1	8MM 105 PRESTEX TYPE A BRASS CAPNUT	860064	5013866023682	01/01/1900	06/09/2018	£0.00
1	10MM 105 PRESTEX TYPE A BRASS CAPNUT	860065	5013866023699	01/01/1900	To Current	£3.86
1	10MM 105 PRESTEX TYPE A BRASS CAPNUT	860065	5013866023699	01/01/1900	To Current	£3.86
1	12MM 105 PRESTEX TYPE A BRASS CAPNUT	860066	5013866023705	01/01/1900	06/09/2018	£0.00
1	12MM 105 PRESTEX TYPE A BRASS CAPNUT	860066	5013866023705	01/01/1900	06/09/2018	£0.00
1	15MM 105 PRESTEX TYPE A BRASS CAPNUT	860097	5013866023774	01/01/1900	To Current	£4.34
1	15MM 105 PRESTEX TYPE A BRASS CAPNUT	860097	5013866023774	01/01/1900	To Current	£4.34
1	15MM 105 PRESTEX TYPE A BRASS CAPNUT	860097	5013866023774	01/01/1900	To Current	£4.34
1	18MM 105 PRESTEX TYPE A BRASS CAPNUT	860067	5013866023712	01/01/1900	06/09/2018	£0.00
1	18MM 105 PRESTEX TYPE A BRASS CAPNUT	860067	5013866023712	01/01/1900	06/09/2018	£0.00
1	22MM 105 PRESTEX TYPE A BRASS CAPNUT	860068	5013866023729	01/01/1900	To Current	£7.40
1	22MM 105 PRESTEX TYPE A BRASS CAPNUT	860068	5013866023729	01/01/1900	To Current	£7.40
1	22MM 105 PRESTEX TYPE A BRASS CAPNUT	860068	5013866023729	01/01/1900	To Current	£7.40
1	28MM 105 PRESTEX TYPE A BRASS CAPNUT	860069	5013866023736	01/01/1900	To Current	£10.13
1	28MM 105 PRESTEX TYPE A BRASS CAPNUT	860069	5013866023736	01/01/1900	To Current	£10.13
1	35MM 105 PRESTEX TYPE A BRASS CAPNUT	860070	5013866023743	01/01/1900	To Current	£13.93
1	42MM 105 PRESTEX TYPE A BRASS CAPNUT	860071	5013866023750	01/01/1900	To Current	£20.70

Spare Key	Description	Code	Barcode	Date From	Date To	Price (£) ex VAT
1	54MM 105 PRESTEX TYPE A BRASS CAPNUT	860072	5013866023767	01/01/1900	To Current	£35.93
Spare Key	Description	Code	Barcode	Date From	Date To	Price (£) ex VAT
2						
2	8MM C103 COPPER CONE	860004	5013866023484	01/05/1999	06/09/2018	£0.00
2	8MM 103 BRASS CONE	860044	5013866023606	01/01/1900	To Current	£1.55
2	8MM 103 BRASS CONE	860044	5013866023606	01/01/1900	To Current	£1.55
2	8MM C103 COPPER CONE	860004	5013866023484	01/05/1999	06/09/2018	£0.00
2	10MM C103 COPPER CONE	860005	5013866023491	01/05/1999	06/09/2018	£0.00
2	10MM 103 BRASS CONE	860045	5013866023613	01/01/1900	To Current	£1.55
2	12MM 103 BRASS CONE	860046	5013866023620	01/01/1900	06/09/2018	£0.00
2	12MM C103 COPPER CONE - DISCONTINUED	860006	5013866023507	01/05/1999	10/04/2009	£0.00
2	12MM 103 BRASS CONE	860046	5013866023620	01/01/1900	06/09/2018	£0.00
2	12MM C103 COPPER CONE - DISCONTINUED	860006	5013866023507	01/05/1999	10/04/2009	£0.00
2	15MM C103 COPPER CONE	860007	5013866023514	01/05/1999	06/09/2018	£0.00
2	15MM 103 BRASS CONE	860047	5013866023637	01/01/1900	To Current	£2.09
2	15MM C103 COPPER CONE	860007	5013866023514	01/05/1999	06/09/2018	£0.00
2	15MM 103 BRASS CONE	860047	5013866023637	01/01/1900	To Current	£2.09
2	15MM C103 COPPER CONE	860007	5013866023514	01/05/1999	06/09/2018	£0.00
2	15MM 103 BRASS CONE	860047	5013866023637	01/01/1900	To Current	£2.09
2	18MM 103 BRASS CONE	860013	5013866023576	01/01/1900	06/09/2018	£0.00
2	18MM 103 BRASS CONE	860013	5013866023576	01/01/1900	06/09/2018	£0.00
2	22MM C103 COPPER CONE	860008	5013866023521	01/05/1999	06/09/2018	£0.00
2	22MM 103 BRASS CONE	860048	5013866023644	01/01/1900	To Current	£2.80
2	22MM C103 COPPER CONE	860008	5013866023521	01/05/1999	06/09/2018	£0.00
2	22MM 103 BRASS CONE	860048	5013866023644	01/01/1900	To Current	£2.80
2	22MM 103 BRASS CONE	860048	5013866023644	01/01/1900	To Current	£2.80
2	22MM C103 COPPER CONE	860008	5013866023521	01/05/1999	06/09/2018	£0.00
2	28MM C103 COPPER CONE	860009	5013866023538	01/05/1999	06/09/2018	£0.00
2	28MM 103 BRASS CONE	860309	5013866024085	01/01/1900	To Current	£3.70
2	28MM C103 COPPER CONE	860009	5013866023538	01/05/1999	06/09/2018	£0.00
2	28MM 103 BRASS CONE	860309	5013866024085	01/01/1900	To Current	£3.70
2	35MM C103 COPPER CONE	860010	5013866023545	01/05/1999	06/09/2018	£0.00
2	35MM 103 BRASS CONE	860050	5013866023651	01/01/1900	To Current	£5.44
2	42MM C103 COPPER CONE	860011	5013866023552	01/05/1999	06/09/2018	£0.00
2	42MM 103 BRASS CONE	860051	5013866023668	01/01/1900	To Current	£10.50
2	54MM C103 COPPER CONE	860012	5013866023569	01/05/1999	06/09/2018	£0.00
2	54MM 103 BRASS CONE	860052	5013866023675	01/01/1900	To Current	£16.87

installation instructions

Working Temperatures and Pressures

Medium	Service Temp up to °C	Maximum working pressure	
		Bar	PSI
Water or light mineral oils 8mm to 54mm	30	16	232
	65	10	145
	110	6	87
	120	5	72
Compressed Air non-shock 8mm to 28mm size only	30	7	100
Saturated steam	120	3	43
LPB 3 to 28mm sizes only	30	1	15
Natural Gas	60	5	73

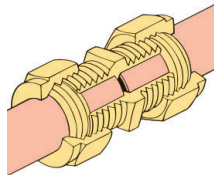
Note: Chromium plated Type A compression fittings comply with the same criteria as un-plated fittings.

how to make a 'type A' joint

1. Ensure that the fitting is the correct size for the pipe being used. Cut the pipe to length, making sure that the cut is square and the pipe is not deformed. Remove any burrs from the cut ends.

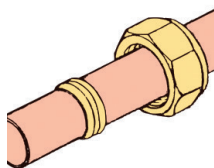
either

2a. Insert the pipe into the fitting without removing the capnut and cone, ensuring that the cone is in the correct position and that the pipe makes firm contact with the stop in the body of the fitting.

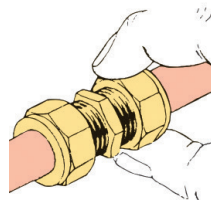


or

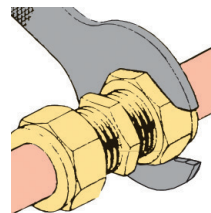
2b. Unscrew the capnut and cone from the fitting. Slide the capnut and cone onto the pipe, and insert the pipe into the fitting as far as the stop.



3. In both cases, tighten the capnut until the pipe cannot be rotated by hand. A drop of light machine oil on the threads will facilitate tightening (particularly on larger sizes).



4. Tighten the capnut with a good, well-fitting spanner, using the table below as a guideline taking into consideration any variations in installation conditions.



general specification

Manufactured to EN 1254 (formerly BS 864/2), and carrying the prestigious Kite mark, Prestex 'Type A' compression fittings are suitable for mechanically joining copper or stainless steel tube by means of compressing a cone onto the tube without the application of heat.

The range is designed for use with copper tube to BS EN 1057:1996 (formerly BS 2871:Part 1), BS 2871:Part 2, or stainless steel tube to BS 4127:1994. Fittings are available in a brass bodies, all with brass capnuts as standard. Sizes range from 8mm up to 54mm, covering a wide range of product alternatives including straights, elbows, tees, crosses and reducers to cope with all installation requirements.

exposure table

Nominal pipe size	Number of turns
8mm	¾ to 1
10mm	¾ to 1
12mm	¾ to 1
15mm	¾ to 1
18mm	¾ to 1
22mm	¾ to 1
28mm	¾ to 1
35mm	1 to 1 ¼
42mm	1 to 1 ¼
54mm	1 to 1 ¼

Notes

1. Jointing compounds or sealants are not necessary with Prestex fittings; the use of these materials could impair the efficiency of the joint and may contravene local water regulations.

2. Over-tightening will not produce a better joint, and may lead to problems in service. Type A fittings as specified in EN 1254 are suitable for use at the pressures and temperatures in the table above.

design considerations

Stress corrosion cracking (SCC) is a phenomenon that occurs occasionally with brass compression fittings. It is almost always introduced during installation, either from over-tightening of fittings or contamination from a corrosive substance.

The usual corrosive substance involved in SCC is ammonia or ammoniacal compounds, which can be found in cleaning fluids, refrigeration gases, sewage waste products, building materials, insulating materials (especially foams) and flame and smoke retarding treatments. An essential ingredient in the SCC process is moisture. Moisture on the fitting or pipework allows the corrosive substance to collect and become more concentrated. This is a particular problem in chilled

water installations, where insulating materials allow the condensed moisture to be retained and kept in close contact with the fitting surface.

Pegler does not recommend the use of brass components in chilled water applications.

Where all components upon which the integrity of the fitting is dependent, ones made from SCC resistant or immune materials, such as copper or gunmetal, are recommended. If compression fittings are used then they should be assembled exactly in accordance with our published instructions and securely bound by a moisture barrier such as Densotape® to prevent moisture build up on the fitting. The following installation practices should be adhered to when installing compression fittings in order to avoid SCC:

- 1.** Do not overtighten brass components.
- 2.** Use correctly fitting spanners.
- 3.** Use a drop or two of light oil on the threads of fittings of sizes 35mm and above.
- 4.** Avoid contaminating the threads or nuts with jointing compounds.

Minimise the risk of contamination from a potential corrosive substance. Wrapping susceptible fittings in a vapour barrier or applying impermeable paints can be helpful in preventing contact with a corrosive substance.

further details

Aalberts Integrated Piping Systems Ltd

St. Catherine's Avenue / Doncaster
South Yorkshire / DN4 8DF / England

tel: +44 (0) 800 1560 050

email: technical@aalberts-ips.com

www.pegler.co.uk



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.

PRESTEX RANGE OF BRASS COMPRESSION 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

1609091

Certificate No.

J Funnell

Secretary

K. Hesby

Chairman, Product Assessment Group

Kitemark™ Certificate

This is to certify that:

Pegler Yorkshire Group Limited
Belmont Works
St Catherine's Avenue
Doncaster
South Yorkshire
DN4 8DF
United Kingdom

Holds Certificate Number:

KM 07082

In respect of:

**BS EN 1254 / BS 864 Part 2
Copper and copper alloys - Plumbing fittings**

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: 1982-12-15
Latest Issue: 2020-09-22

Effective Date: 2020-09-22
Expiry Date: 2023-09-21

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Kitemark™ Certificate

No. KM 07082

BS EN 1254 – Copper and Copper Alloys

BS EN 1254-2 – Compression Ends for Copper Tube

BS EN 1254-4 – Other Ends

Reference Number	Description	Size (mm) unless stated
20	Straight coupling c x c with three 8mm branches for copper	22
22	Stop end c x blank end with three 8mm branches for copper	22
35	Flanged tank connection c x flanged	15, 22, 28, 35, 42, 54
35W	Flanged tank connection c x flange	22
37	Stop end c x blank end	12, 15, 18, 22, 28
40	Straight coupling c x c	8, 10, 10x8, 12, 12x10, 15, 15x8, 15x10, 15x12, 18, 18x15, 22, 22x15, 22x18, 28, 28x15, 28x22, 35, 35x22, 42, 54
40CO	Crossover coupling	15, 18, 22, 28
40R	Repair coupling	15
41	Straight coupling c x Fi	8x¼", 10x¼", 10x⅜", 10x½", 15x¼", 15x⅜", 15x½", 15x¾", 22x½", 22x¾", 22x1", 28x¾", 28x1", 35x1¼", 42x1½", 54x2"
42	Straight coupling c x Mi	8x¼", 10x¼", 10x⅜", 10x½", 12x½", 15x¼", 15x⅜", 15x½", 15x¾", 18x½", 18x¾", 22x½", 22x¾", 22x1", 28x½", 28x¾", 28x1", 28x1¼", 35x1", 35x1¼", 42x1½", 54x2"
42W	Straight coupling c x Mi	15x½", 22x¾", 28x1"
43	Straight swivel tap adaptor c x union nut	15x½", 15x¾", 22x¾"

First Issued: 1982-12-15

Latest Issue: 2020-09-22

Effective Date: 2020-09-22

Expiry Date: 2023-09-21

Page: 2 of 3

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](#).

Kitemark™ Certificate

No. KM 07082

BS EN 1254 – Copper and Copper Alloys continued

Reference Number	Description	Size (mm) unless stated
43B	Bent swivel tap adaptor c x union nut	15x1/2", 22x3/4"
44	Bent coupling c x c	8, 10, 12, 15, 18, 22, 28, 35, 42, 54, 15x12, 22x15, 28x15, 28x22
45	Bent coupling c x Mi	10x3/8", 12x3/8", 12x1/2", 15x1/2", 22x1/2", 22x3/4", 22x1", 28x1", 35x1 1/4", 42x1 1/2", 54x2"
45W	Bent coupling c x Mi	22x3/4"
46	Bent coupling c x Fi	15x3/8", 15x1/2", 15x3/4", 22x1/2", 22x3/4", 22x1", 28x, 28x1"
50	Tee all ends equal	8, 10, 15, 18, 22, 28, 35, 42, 54
50A	Tee both ends reduced	15x22, 18x22
50B	Tee one end reduced	22x15, 28x15, 28x22
50C	Tee branch reduced	22x15, 28x15, 28x22

The fittings are marketed under the trade name Prestex.

All fittings supplied in brass unless otherwise specified as follows:

DR- Dezincification Resistant Alloy

GM- Gunmetal and can be chrome plated as required

First Issued: 1982-12-15

Latest Issue: 2020-09-22

Effective Date: 2020-09-22

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Page: 3 of 3

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