

Pioneer Industries



PLUMBING COMPRESSION FITTINGS



1	Male Stud	Model No	Size
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PMC-C4015	1/2"x15
PMC-C5022	3/4"x22
PMC-C6022	1"x22
PMC-C6028	1"x28

2	Stud Elbow	Model No	Size
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PSE-C4115	1/2"x15
PSE-C5122	3/4"x22
PSE-C6122	1"x22
PSE-C6128	1"x28

3	Female Branch Tee	Model No	Size
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PFBT-C4515	15X1/2"X15
PFBT-C5515	15X3/4"X15
PFBT-C5522	22X3/4"X22
PFBT-C6528	28X1"X28

4

Female Elbow

Model No

Size



PFE-C4615

1/2"x15

PFE-C5622

3/4"x22

PFE-C6622

1"x22

PFE-C6628

1"x28

5

Female Stud

Model No

Size



PFC-C4815

1/2"x15

PFC-C5822

3/4"x22

PFC-C6822

1"x22

PFC-C6828

1"x28

6

Nut

Model No

Size



PN-CNUT15

15

PN-CNUT22

22

PN-CNUT28

28

PN-CNUT35

35



7

Straight Coupler

Model No

Size



PSC-C0015

15X15

PSC-C0022

22X22

PSC-C0028

28X28

PSC-C0035

35X35

8

Tank Connector

Model No

Size



PTC-C0715

15

PTC-C0722

22

PTC-C0728

28

PTC-C0735

35

9

Equal Tee

Model No

Size



PET-C0215

15x15x15

PET-C0222

22x22x22

PET-C0228

28x28x28

PET-C0235

35x35x35

10

Stop End

Model No

Size



PE-C15

15

PE-C22

22

PE-C28

28

PE-C35

35

11

Union Elbow

Model No

Size



PUE-C0115

15x15

PUE-C0122

22x22

PUE-C0128

28x28

PUE-C0135

35x35

12

Wall Plate
Female

Model No

Size



PWE-C4615

1/2"x15

PWE-C4622

1/2"x22

PWE-C5622

3/4"x22

PWE-C6628

1"x28

13

Enequal Tee

Model No

Size



PEnT-C0601

22x15x15

PEnT-C0602

22x15x22

PEnT-C0603

22x22x15

PEnT-C0604

28x28x15

14

Enequal Union

Model No

Size



PEnU-C0401

22x15x15

PEnU-C0402

22x15x22

PEnT-C0403

22x22x15

PEnT-C0404

28x28x15

15

Enequal Elbow

Model No

Size



PEnE-C0501

22x15x15

PEnE-C0502

22x15x22

PEnE-C0503

22x22x15

PEnE-C0504

28x28x15

General Information

Pioneer Industry manufactured Plumbing compression fittings in accordance with EN 1254-2 and in sizes from 15mm to 35mm.

Applications and Uses

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

Size Availability

15mm–35mm, suitable for connecting copper tubes in accordance with EN 1057.

Fitting Materials

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

Health and Safety

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

One Fitting for Many Tubes

Copper

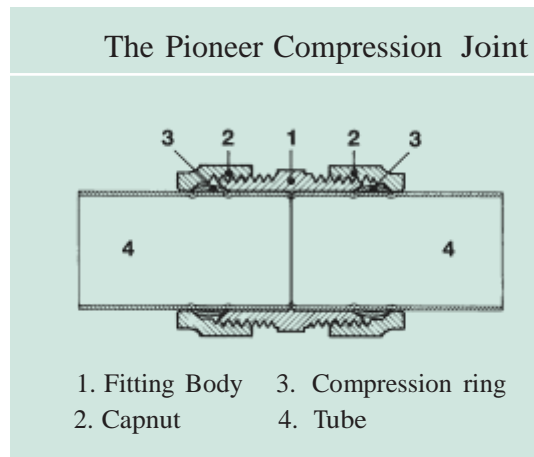
Pioneer compression fittings are capable of joining size-compatible copper tubes that are manufactured in accordance with EN 1057 (formerly BS 2871: Part 1) and many other standards including ISO 274.

Stainless Steel

Pioneer compression fittings are capable of joining size-compatible stainless steel

tubes such as those manufactured in accordance with BS 4127 and DIN 17455 and 17457.

Design



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

The simple principle of the Pioneer compression joint is shown in the following diagram. The compression ring is compressed between two differing tapers within capnut and fitting respectively. The sharper angle of the body taper constitutes a larger area of ring contact in the fitting body, thus reducing any tendency for the tube to revolve as the joint is being secured.

Tightening the capnut to secure the joint causes the compression ring to change form, making a perfect metal x metal seal that actually indents the tube on both points of contact. This ensures a joint that is easily capable of withstanding pressures far in excess of those experienced in normal usage.

Finish Availability

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

Connecting Threads

Generally, fittings are manufactured with parallel threads.

COMPRESSION ASSEMBLY INSTRUCTIONS

Tools required :

Tube cutter, deburring tool, 2 flat-faced spanners.

Assembly

1. Ensure that tube & tube fittings are compatible.
2. Cut the tube end square, & ensure it retain its shape.
3. Debure the inside & outside of the tube.
4. Remove the capnut & compression ring from the fittings.
5. Slide the capnut & compression ring on to the tube.
6. Join the fitting on the tube end. & slide the compression ring & capnut towards the fittings
7. Hand tight the capnut.
8. With the suitable flat faced spanner tightened the joint.

Demounting

1. Turn off the water supply.
2. Place a suitable receptacle under the joint to be dismantled.
3. With the suitable fat faced spanner, undo the joints.
4. Slide the capnut back from the captive compression ring.
5. Pull the tube from the fitting socket, ensuring any access water.