

ALEXANDER BROWN

PLUMBING FITTINGS SPECIALISTS

LARGE SIZE COMPRESSION FITTINGS

67mm, 76mm & 108mm

3 inch & 4 inch Imperial



2nd Edition



AB[®]
CO

ALEXANDER BROWN

PLUMBING FITTINGS SPECIALISTS

LARGE SIZE COMPRESSION FITTINGS

Welcome to our ABCO Large Size Compression Fittings Catalogue. We have been manufacturing large fittings since 1997 and now have the most comprehensive range on the market. The ABCO range covers 67mm, 76mm and 108mm in metric sizes and also Imperial 3 inch and 4 inch in compression and BSP. They are the only large size fittings that are designed and manufactured entirely in the UK. We keep high levels of stock and most orders are available for next day delivery. Contact us now for current prices.

Part	Specification	Description	Material
Pin	304	Stainless steel	A2
Nut	304	Stainless steel	A2
Olive	CC491K	Gunmetal	BS1400 LG2
Body	CC491K	Gunmetal	BS1400 LG2
Flange	CC491K	Gunmetal	BS1400 LG2

Pressure & Temperature

Hydraulic performance when correctly assembled with BS EN1057 copper tube

30° c	65°c	110°c	120°c (Max)
10 bar	6bar	4 bar	3 bar



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LS130 Straight Coupling

LS130-67

115mm x 115mm x 80mm

3.25kg

LS130-76

125mm x 125mm x 83mm

3.85kg

LS130-108

150mm x 150mm x 100mm

5.15kg

LS130-67x54

115mm x 115mm x 80mm

2.30kg

LS130-76x67

125mm x 125mm x 83mm

2.70kg



LS130 IM Imperial x Metric Straight Coupling

LS130IM-76x3

125mm x 125mm x 85mm

3.70kg

LS130IM-108x4(104)

150mm x 150mm x 100mm

5.15kg

LS130IM-108x4(106)

150mm x 150mm x 100mm

5.15kg

LS130 DISC Disconnecting Union

LS130DISC-67

170mm x 120mm x 110mm

5.9kg

LS130DISC-76

195mm x 140mm x 125mm

8.7kg





LS131 IM
Imperial Fitting
Adapter

LS131IM-76x3
125mm x 125mm x 85mm
3.10kg

LS134
Straight Male
Connector

LS134-67
113mm x 113mm x 70mm
2.15kg
LS134-76
125mm x 125mm x 68mm
2.90kg
LS134-108
150mm x 150mm x 120mm
4.90kg



LS134 IM
Imperial Straight
Male Connector

LS134IM-3x3
125mm x 125mm x 67mm
2.70kg



LS135 Tank Connector

LS135-67

115mm x 115mm x 102mm

3.15kg

LS135-76

125mm x 125mm x 118mm

4.40kg

LS135-108

150mm x 150mm x 155mm

7.20kg



LS138 Straight Female Connector

LS138-67

115mm x 115mm x 63mm

2.00kg

LS138-76

125mm x 125mm x 67mm

2.60kg

LS138-108

150mm x 150mm x 98mm

4.05kg



LS138 IM Imperial Straight Female Connector

LS138IM-3x3

125mm x 125mm x 67mm

2.45kg



LS139 Elbow

LS139-67

150mm x 150mm x 125mm
4.50kg

LS139-76

150mm x 150mm x 125mm
4.50kg

LS139-108

200mm x 200mm x 150mm
8.10kg



LS140 45° Obtuse Elbow

LS140-67

165mm x 145mm x 115mm
3.15kg

LS140-76

170mm x 150mm x 125mm
4.40kg

LS145 Bent Male Connector

LS145-67

150mm x 145mm x 113mm
3.15kg

LS145-76

200mm x 190mm x 125mm
4.40kg



LS147 Bent Female Connector

LS147-67

145mm x 150mm x 115mm
3.15kg

LS147-76

200mm x 190mm x 125mm
4.40kg

LS150 Equal Tees

LS150-67

146mm x 135mm x 115mm

3.15kg

LS150-76

165mm x 145mm x 125mm

4.40kg

LS150-108

207mm x 170mm x 150mm

7.20kg



LS151 Branch Reduced Tees

LS151-67x67x15

146mm x 174mm x 115mm

3.15kg

LS151-67x67x22

146mm x 174mm x 115mm

3.15kg

LS151-67x67x28

146mm x 174mm x 115mm

3.15kg

LS151-67x67x35

146mm x 174mm x 115mm

3.15kg

LS151-67x67x42

146mm x 174mm x 115mm

3.15kg

LS151-67x67x54

146mm x 174mm x 115mm

3.15kg

LS151-76x76x15

165mm x 180mm x 125mm

3.15kg

LS151-76x76x22

165mm x 180mm x 125mm

3.14kg

LS151-76x76x28

165mm x 180mm x 125mm

3.15kg

LS151-76x76x35

165mm x 180mm x 125mm

3.15kg

LS151-76x76x42

165mm x 180mm x 125mm

3.15kg

LS151-76x76x54

165mm x 180mm x 125mm

3.15kg

LS151-76x76x67

165mm x 180mm x 125mm

LS151 Branch Reduced Tees

LS151-108x108x15

207mm x 200mm x 150mm
3.15kg

LS151-108x108x22

207mm x 200mm x 150mm
3.15kg

LS151-108x108x28

207mm x 200mm x 150mm
3.15kg

LS151-108x108x35

207mm x 200mm x 150mm
3.15kg

LS151-108x108x42

207mm x 200mm x 150mm
3.15kg

LS151-108x108x54

207mm x 200mm x 150mm
3.14kg

LS151-108x108x67

207mm x 200mm x 150mm
3.15kg

LS151-108x108x76

207mm x 200mm x 150mm
3.15kg



LS152 End Reduced Tees

LS152-67x15x67

175mm x 135mm x 115mm
3.15kg

LS152-67x22x67

175mm x 135mm x 115mm
3.15kg

LS152-67x28x67

175mm x 135mm x 115mm
3.15kg

LS152-67x35x67

175mm x 135mm x 115mm
3.15kg

LS152-67x42x67

175mm x 135mm x 115mm
3.15kg

LS151-67x54x67

175mm x 135mm x 115mm
3.15kg

LS152-76x15x76

200mm x 145mm x 125mm
3.15kg

LS152-76x22x76

200mm x 145mm x 125mm
3.14kg

LS152-76x28x76

200mm x 145mm x 125mm
3.15kg

LS152-76x35x76

200mm x 145mm x 125mm
3.15kg

LS152-76x42x76

200mm x 145mm x 125mm
3.15kg

LS152-76x54x76

200mm x 145mm x 125mm
3.15kg

LS152-76x67x76

200mm x 145mm x 125mm

LS152 **End Reduced Tees**

LS152-108x15x108

237mm x 700mm x 150mm
3.15kg

LS152-108x22x108

237mm x 700mm x 150mm
3.15kg

LS152-108x28x108

237mm x 700mm x 150mm
3.15kg

LS152-108x35x108

237mm x 700mm x 150mm
3.15kg

LS152-108x42x108

237mm x 700mm x 150mm
3.15kg

LS152-108x54x108

237mm x 700mm x 150mm
3.14kg

LS152-108x67x108

237mm x 700mm x 150mm
3.15kg

LS152-108x76x108

237mm x 700mm x 150mm
3.15kg

LS153 **2 Side Reduced Tees**

LS153 all sizes available. Contact us with your requirements



LS189 Stopcock

LS189-67
310mm x 260mm x 110mm
12.9kg
LS189-76
310mm x 260mm x 125mm
13.4kg



LS197 Gate Valve

LS197-67
170mm x 240mm x 110mm
6.1kg
LS197-76
185mm x 270mm x 120mm
8.7kg
LS197-108
290mm x 320mm x 150mm
14.8kg

LS199 Male Adapter

LS199-67
115mm x 115mm x 70mm
3.15kg
LS199-76
125mm x 125mm x 70mm
3.15kg



**LS901
Nut**



LS901
15mm x 15mm x 10mm

**LS910
Pin**



LS910
10mm x 10mm x 40mm



**LS905
Metric
Compression Ring**

LS905-67
71mm x 71mm x 15mm
LS905-76
80mm x 80mm x 15mm
LS905-108
112mm x 112mm x 15mm

**LS905 IM
Imperial
Compression Ring**

LS905-67
71mm x 71mm x 15mm
LS905-76
80mm x 80mm x 15mm
LS905-108
112mm x 112mm x 15mm

ABCO LS905IM-3 & LS905IM-4 Imperial Compression Rings are only compatible with ABCO LS130IM, LS131IM, LS134IM and LS138IM fittings. They should not be used with any other fittings.



**LS907
Jamnut/Backnut**

LS907-67
105mm x 105mm x 23mm
0.6kg
LS907-76
120mm x 120mm x 23mm
0.7kg
LS907-108
150mm x 150mm x 30mm
1.6kg

LS908 Reducer

67mm

LS908-67x15

115mm x 115mm x 65mm

1.4kg

LS908-67x22

115mm x 115mm x 65mm

1.4kg

LS908-67x28

115mm x 115mm x 65mm

1.4kg

LS908-67x35

115mm x 115mm x 65mm

1.4kg

LS908-67x42

115mm x 115mm x 65mm

1.4kg

LS908-67x54

115mm x 115mm x 65mm

1.4kg

76mm

LS908-76x15

125mm x 125mm x 65mm

1.7kg

LS908-76x22

125mm x 125mm x 65mm

1.7kg

LS908-76x28

125mm x 125mm x 65mm

1.7kg

LS908-76x35

125mm x 125mm x 65mm

1.7kg

LS908-76x42

125mm x 125mm x 65mm

1.7kg

LS908-76x54

125mm x 125mm x 65mm

1.7kg

LS908-76x67

125mm x 125mm x 65mm

1.7kg



108mm

LS908-108x15

150mm x 150mm x 65mm

2.3kg

LS908-108x22

150mm x 150mm x 65mm

2.3kg

LS908-108x28

150mm x 150mm x 65mm

2.3kg

LS908-108x35

150mm x 150mm x 65mm

2.3kg

LS908-108x42

150mm x 150mm x 65mm

2.3kg

LS908-108x54

150mm x 150mm x 65mm

2.3kg

LS908-108x67

150mm x 150mm x 65mm

2.3kg

LS908-108x67

150mm x 150mm x 65mm

2.3kg



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LS916
Blank Cap

LS916-67
115mm x 115mm x 45mm
2.05kg
LS916-76
125mm x 125mm x 45mm
2.25kg
LS916-108
150mm x 150mm x 48mm
3.05kg

LS916 IM
Imperial
Blank Cap

LS916IM-3
125mm x 125mm x 45mm
2.25kg
LS916IM-4
150mm x 150mm x 48mm
3.05kg



**We recommend the use of UK copper tube
manufactured to BS EN1057 for all our
ABCO Large Size Compression Fittings.**



Images are for illustration only. Dimensions and weights maybe subject to change as part of our ongoing product development.

**Large Size Compression Fittings
Installation Instructions
for Lamontite and ABCO® fittings
67mm-108mm & Imperial 3"-4"**

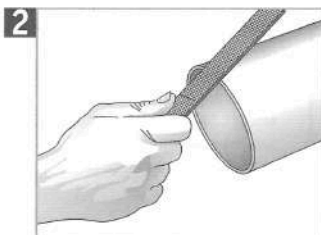
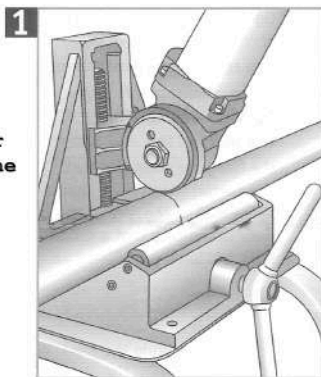


Before starting your job ensure that you have the correct size tube and fittings and that they are clean and undamaged.

STEP 1:

Where possible use a rotary cutter to ensure a clean square cut on the copper tube.

If you are using a hacksaw, use a fine toothed blade.



STEP 2:

Use a file to smooth the inside and outside of the tube ends and remove any copper burrs.

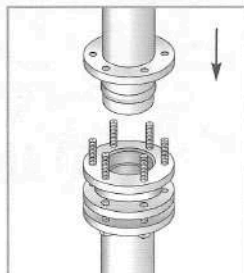


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LAMONTITE

Step 3: Bring up the compression flange and tighten the nuts by hand.



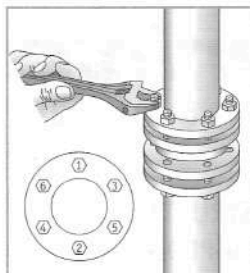
3

Step 4: Using a spanner, continue to tighten the nuts in increments of a half turn, in the sequence shown to a minimum of two turns and a maximum of two and a half turns.

DO NOT OVER TIGHTEN THE NUTS

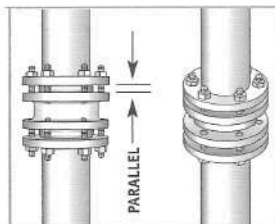
Over tightening may distort the flange or shear the nuts.

The compression flange should be parallel to the face of the body to indicate that a sound joint has been made.



4

Step 5: If after assembling the joint in accordance with the instructions above any weeping is experienced, a small smear of sealing compound may be applied.



5

When fitting a reducer the flange and compression ring should be removed from the main fitting before following the instructions from Step 3.

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