

1 Hydraulics **3-284**

2 Hydraulic Quick Release Couplings **285-320**

3 Pneumatic Quick Release Couplings **321-406**

4 Monitor & Test **407-446**

5 Pneumatic & Vacuum **447-762**

6 Push-in Fittings & Tubing **763-918**

7 Valves & Actuation **919-1060**

8 Ring Main **1061-1136**

9 Hose Tails, Adaptors, Fittings & Manifolds **1137-1224**

10 Stainless Steel **1225-1332**

11 Malleable Iron **1333-1398**

12 Hose, Couplings, Ducting & Hose Reels **1399-1510**

13 Clips & Clamps **1511-1558**

14 Paint, Sprays & Adhesives **1559-1590**

15 Blow Guns, Vacuum & Nozzles **1591-1616**

16 Fuelling, Lubrication, Wash Down & Misting **1617-1696**

17 Compressors & Air Tools **1697-1726**

18 Hand Tools & PPE **1727-1765**

SECTION 9

Hose Tails, Adaptors, Fittings & Manifolds

| | | |
|-------------|------------------------------------|------------------|
| 9.01 | Hose Tails | 1137-1154 |
| 9.02 | Quick Fit Fittings | 1155-1164 |
| 9.03 | Adaptors | 1165-1194 |
| 9.04 | Flanges & Gaskets | 1195 |
| 9.05 | Compression Fittings & Copper Tube | 1196-1215 |
| 9.06 | Plumbing Compression Fittings | 1216-1219 |
| 9.07 | Manifolds | 1220-1224 |

SECTION 9

9.01 Hose Tails

- Nickel Plated Brass & Brass Hose Tails
- Push-on Hose Adaptors
- Polypropylene Hose Tails Adaptors
- Nylon Hose Tails
- PVDF Hose Tails
- Plastic Hose Tails
- Emergency Hose Connector Set
- Oxy-acetylene Fittings



1137-1154



9.02 Quick Fit Fittings

- Miniature Fittings M3-M6
- Brass Quick-fit Fitting
- Flow Regulators
- Finger-tight Fittings
- Polypropylene Quick-Fit Fittings
- PVDF Quick-Fit Fittings



1155-1164



9.03 Adaptors

- | | |
|--|--|
| ■ Brass Adaptors | ■ 3000lb 316 Stainless Steel Pipe Fittings |
| ■ Nickel Plated Brass Adaptors | ■ Tubing |
| ■ Polypropylene Hose Adaptors | ■ BS TYPE, 316L Hygienic Pipe Fittings |
| ■ Nylon Adaptors | ■ Hygienic Clamp Fittings |
| ■ PVDF Adaptors | ■ RJT Couplings |
| ■ 3000lb Forged Pipe Fittings, ANSI B16.11 | |
| ■ 150lb 316 Stainless Steel Pipe Fittings | |



1165-1194



9.04 Flanges & Gaskets

- 3000lb 316 Stainless Steel Pipe Fittings



1195



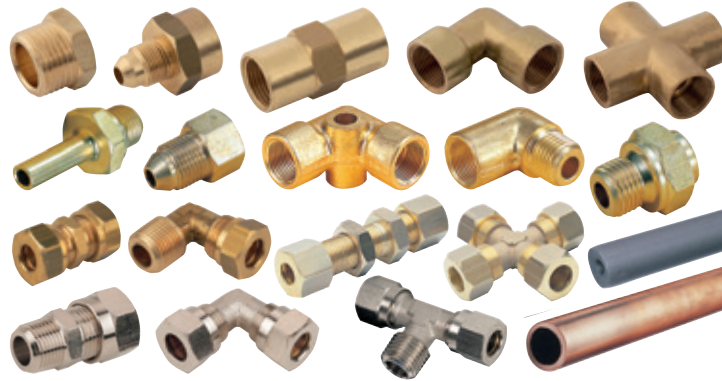
Hose Tails, Adaptors, Fittings & Manifolds

9.05 Compression Fittings & Copper Tube

- Brass Compression Fittings
- Enots Compression Fittings
- Nickel Plated Compression Fittings
- Copper Tubing
- Bundy Tubing
- PVC Covered Copper Tube
- Polyethylene Pipe Insulation



1196-1215



9.06 Plumbing Compression Fittings

- Brass Plumbing Compression Fittings
- Solder Ring
- End Feed Fittings

1216-1219



9.07 Manifolds

- Distribution Manifolds
- Aluminium Manifolds
- Brass Manifolds
- Minifolds



1220-1224



NICKEL PLATED BRASS & BRASS HOSE TAILS



This technical data is applicable to the full range of hose tail fittings and airline fittings including tees, elbows, reducers and silencers etc.

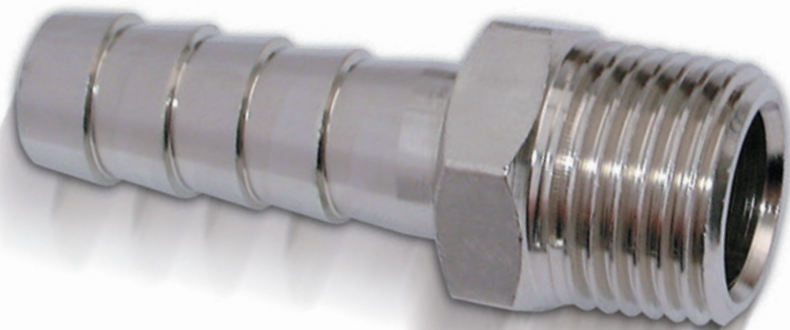
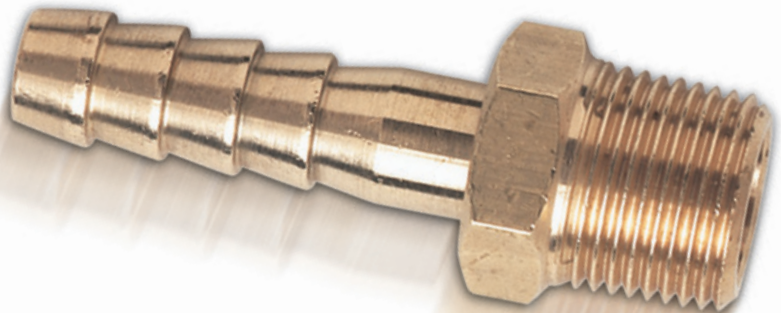
Threads:

Tapered in conformity with ISO 7.1, BS 21, DIN 2999. Parallel in conformity with ISO 228 class A. Metric in conformity with ISO R/262.

Media:

Compressed air, water, oils and fluids for hydraulics and pneumatic fields.

N.B. Safe pressures and temperatures depend entirely on the tubes being used, for this reason the values must be determined in accordance with the tube features.



Straight Hose Tails, Brass



Male Thread, BSPT

| 1010 | Thread | To Suit Hose ID | To Suit Hose ID mm |
|----------|--------|-----------------|--------------------|
| GT10/04K | 1/8" | 1/8" | 4 |
| GT10/05K | 1/8" | 3/16" | 5 |
| GT10/06K | 1/8" | 1/4" | 6 |
| GT10/08K | 1/8" | 5/16" | 8 |
| GT10/09K | 1/8" | 3/8" | 9 |
| GT10/13K | 1/8" | 1/2" | 13 |
| GT13/04K | 1/4" | 1/8" | 4 |
| GT13/05K | 1/4" | 3/16" | 5 |
| GT13/06K | 1/4" | 1/4" | 6 |
| GT13/08K | 1/4" | 5/16" | 8 |
| GT13/09K | 1/4" | 3/8" | 9 |
| GT13/13K | 1/4" | 1/2" | 13 |
| GT13/16K | 1/4" | 5/8" | 16 |
| GT13/19K | 1/4" | 3/4" | 19 |
| GT17/05K | 3/8" | 3/16" | 5 |
| GT17/06K | 3/8" | 1/4" | 6 |
| GT17/08K | 3/8" | 5/16" | 8 |
| GT17/09K | 3/8" | 3/8" | 9 |
| GT17/13K | 3/8" | 1/2" | 13 |
| GT17/16K | 3/8" | 5/8" | 16 |
| GT17/19K | 3/8" | 3/4" | 19 |
| GT21/05K | 1/2" | 3/16" | 5 |
| GT21/06K | 1/2" | 1/4" | 6 |
| GT21/08K | 1/2" | 5/16" | 8 |
| GT21/09K | 1/2" | 3/8" | 9 |
| GT21/13K | 1/2" | 1/2" | 13 |
| GT21/16K | 1/2" | 5/8" | 16 |
| GT21/19K | 1/2" | 3/4" | 19 |
| GT21/25K | 1/2" | 1" | 25 |
| GT23/16K | 5/8" | 5/8" | 16 |
| GT26/06K | 3/4" | 1/4" | 6 |
| GT26/08K | 3/4" | 5/16" | 8 |
| GT26/09K | 3/4" | 3/8" | 9 |
| GT26/13K | 3/4" | 1/2" | 13 |
| GT26/16K | 3/4" | 5/8" | 16 |
| GT26/19K | 3/4" | 3/4" | 19 |
| GT26/25K | 3/4" | 1" | 25 |
| GT26/31K | 3/4" | 1.1/4" | 31 |
| GT33/13K | 1" | 1/2" | 13 |
| GT33/16K | 1" | 5/8" | 16 |
| GT33/19K | 1" | 3/4" | 19 |
| GT33/25K | 1" | 1" | 25 |
| GT33/31K | 1" | 1.1/4" | 31 |
| GT33/38K | 1" | 1.1/2" | 38 |
| GT42/19K | 1.1/4" | 3/4" | 19 |
| GT42/25K | 1.1/4" | 1" | 25 |
| GT42/31K | 1.1/4" | 1.1/4" | 31 |
| GT48/31K | 1.1/2" | 1.1/4" | 31 |
| GT48/38K | 1.1/2" | 1.1/2" | 38 |
| GT48/50K | 1.1/2" | 2" | 50 |
| GT52/38K | 2" | 1.1/2" | 38 |
| GT52/50K | 2" | 2" | 50 |
| GT56/53K | 2.1/2" | 2.1/2" | 53 |
| GT60/58K | 3" | 3" | 58 |

Tech Sheet 20089

Straight Hose Tails, Nickel Plated Brass



Male Thread, BSPT

| 1010 | Thread | To Suit Hose ID | To Suit Hose ID mm |
|------------|--------|-----------------|--------------------|
| GT10/04KNP | 1/8" | 1/8" | 4 |
| GT10/05KNP | 1/8" | 3/16" | 5 |
| GT10/06KNP | 1/8" | 1/4" | 6 |
| GT10/08KNP | 1/8" | 5/16" | 8 |
| GT10/09KNP | 1/8" | 3/8" | 9 |
| GT13/04KNP | 1/4" | 1/8" | 4 |
| GT13/05KNP | 1/4" | 3/16" | 5 |
| GT13/06KNP | 1/4" | 1/4" | 6 |
| GT13/08KNP | 1/4" | 5/16" | 8 |
| GT13/09KNP | 1/4" | 3/8" | 9 |
| GT13/13KNP | 1/4" | 1/2" | 13 |
| GT13/16KNP | 1/4" | 5/8" | 16 |
| GT17/05KNP | 3/8" | 3/16" | 5 |
| GT17/06KNP | 3/8" | 1/4" | 6 |
| GT17/08KNP | 3/8" | 5/16" | 8 |
| GT17/09KNP | 3/8" | 3/8" | 9 |
| GT17/13KNP | 3/8" | 1/2" | 13 |
| GT17/16KNP | 3/8" | 5/8" | 16 |
| GT17/19KNP | 3/8" | 3/4" | 19 |
| GT21/06KNP | 1/2" | 1/4" | 6 |
| GT21/08KNP | 1/2" | 5/16" | 8 |
| GT21/09KNP | 1/2" | 3/8" | 9 |
| GT21/13KNP | 1/2" | 1/2" | 13 |
| GT21/16KNP | 1/2" | 5/8" | 16 |
| GT21/19KNP | 1/2" | 3/4" | 19 |
| GT21/25KNP | 1/2" | 1" | 25 |
| GT26/09KNP | 3/4" | 3/8" | 9 |
| GT26/13KNP | 3/4" | 1/2" | 13 |
| GT26/16KNP | 3/4" | 5/8" | 16 |
| GT26/19KNP | 3/4" | 3/4" | 19 |
| GT26/25KNP | 3/4" | 1" | 25 |
| GT33/13KNP | 1" | 1/2" | 13 |
| GT33/19KNP | 1" | 3/4" | 19 |
| GT33/25KNP | 1" | 1" | 25 |
| GT33/38KNP | 1" | 1.1/2" | 38 |
| GT33/31KNP | 1" | 1.1/4" | 31 |
| GT42/25KNP | 1.1/4" | 1" | 25 |
| GT42/31KNP | 1.1/4" | 1.1/4" | 31 |
| GT48/38KNP | 1.1/2" | 1.1/2" | 38 |
| GT48/50KNP | 1.1/2" | 2" | 50 |
| GT52/38KNP | 2" | 1.1/2" | 38 |
| GT52/50KNP | 2" | 2" | 50 |

Tech Sheet 20089

Straight Hose Tails, Brass



Male Thread, BSPP

| 1010 | Thread | To Suit Hose ID mm |
|---------|--------|--------------------|
| GBP-34 | 3/4" | 20 |
| GBP-1 | 1" | 25 |
| GBP-114 | 1.1/4" | 32 |
| GBP-2 | 2" | 50 |

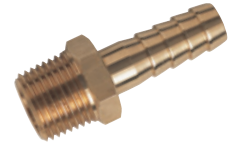


Male Thread, Metric

| 1010 | Thread | To Suit Hose ID mm |
|----------|-----------|--------------------|
| MHM5/03 | M5 x 0.8 | 3 |
| MHM5/04 | M5 x 0.8 | 4 |
| MHM6/04 | M6 x 1.0 | 4 |
| MHM8/04 | M8 x 1.0 | 6 |
| MHM10/04 | M10 x 1.0 | 6 |
| MHM10/05 | M10 x 1.0 | 8 |
| MHM10/06 | M10 x 1.0 | 10 |
| MHM12/04 | M12 x 1.5 | 6 |
| MHM12/05 | M12 x 1.5 | 8 |
| MHM12/06 | M12 x 1.5 | 10 |
| MHM14/06 | M14 x 1.5 | 10 |
| MHM16/06 | M16 x 1.5 | 10 |
| MHM16/08 | M16 x 1.5 | 12 |
| MHM18/06 | M18 x 1.5 | 10 |
| MHM18/08 | M18 x 1.5 | 12 |
| MHM22/08 | M22 x 1.5 | 12 |
| MHM22/12 | M22 x 1.5 | 19 |

Male Thread,
60° Coned Seat, BSPP

| 1010 | Thread | To Suit Hose ID |
|---------|--------|-----------------|
| GT05/03 | M5 | 3mm |
| GT05/04 | M5 | 4mm |
| GT06/04 | M6 | 4mm |
| GT10/04 | 1/8" | 1/8" |
| GT10/05 | 1/8" | 3/16" |
| GT10/06 | 1/8" | 1/4" |
| GT10/08 | 1/8" | 5/16" |
| GT10/09 | 1/8" | 3/8" |
| GT13/05 | 1/4" | 3/16" |
| GT13/04 | 1/4" | 1/8" |
| GT13/06 | 1/4" | 1/4" |
| GT13/08 | 1/4" | 5/16" |
| GT13/09 | 1/4" | 3/8" |
| GT13/13 | 1/4" | 1/2" |
| GT17/06 | 3/8" | 1/4" |
| GT17/08 | 3/8" | 5/16" |
| GT17/09 | 3/8" | 3/8" |
| GT17/13 | 3/8" | 1/2" |
| GT17/16 | 3/8" | 5/8" |
| GT17/19 | 3/8" | 3/4" |
| GT21/06 | 1/2" | 1/4" |
| GT21/08 | 1/2" | 5/16" |
| GT21/09 | 1/2" | 3/8" |
| GT21/13 | 1/2" | 1/2" |
| GT21/16 | 1/2" | 5/8" |
| GT21/19 | 1/2" | 3/4" |
| GT21/25 | 1/2" | 1" |
| GT26/06 | 3/4" | 1/4" |
| GT26/08 | 3/4" | 5/16" |
| GT26/10 | 3/4" | 3/8" |
| GT26/13 | 3/4" | 1/2" |
| GT26/16 | 3/4" | 5/8" |
| GT26/19 | 3/4" | 3/4" |
| GT26/25 | 3/4" | 1" |
| GT33/13 | 1" | 1/2" |
| GT33/19 | 1" | 3/4" |
| GT33/25 | 1" | 1" |
| GT33/32 | 1" | 1.1/4" |
| GT42/25 | 1.1/4" | 1" |
| GT42/32 | 1.1/4" | 1.1/4" |
| GT42/38 | 1.1/4" | 1.1/2" |
| GT48/38 | 1.1/2" | 1.1/2" |
| GT52/50 | 2" | 2" |



Male Thread, NPT

| 1010 | Thread | To Suit Hose ID mm |
|----------|--------|--------------------|
| 650-1003 | 1/8" | 3 |
| 650-1004 | 1/8" | 4 |
| 650-1005 | 1/8" | 5 |
| 650-1006 | 1/8" | 6 |
| 650-1008 | 1/8" | 8 |
| 650-1010 | 1/8" | 10 |
| 650-1305 | 1/4" | 5 |
| 650-1306 | 1/4" | 6 |
| 650-1308 | 1/4" | 8 |
| 650-1310 | 1/4" | 10 |
| 650-1312 | 1/4" | 12 |
| 650-1706 | 3/8" | 6 |
| 650-1708 | 3/8" | 8 |
| 650-1710 | 3/8" | 10 |
| 650-1713 | 3/8" | 13 |
| 650-1716 | 3/8" | 16 |
| 650-1719 | 3/8" | 19 |
| 650-2106 | 1/2" | 6 |
| 650-2108 | 1/2" | 8 |
| 650-2110 | 1/2" | 10 |
| 650-2113 | 1/2" | 13 |
| 650-2116 | 1/2" | 16 |
| 650-2119 | 1/2" | 19 |
| 650-2125 | 1/2" | 25 |
| 650-2612 | 3/4" | 12 |
| 650-2616 | 3/4" | 16 |
| 650-2625 | 3/4" | 25 |
| 650-2632 | 3/4" | 32 |
| 650-3312 | 1" | 12 |
| 650-3316 | 1" | 16 |
| 650-3319 | 1" | 19 |
| 650-3325 | 1" | 25 |
| 650-3332 | 1" | 32 |
| 650-4219 | 1.1/4" | 19 |
| 650-4225 | 1.1/4" | 25 |
| 650-4232 | 1.1/4" | 32 |
| 650-4238 | 1.1/4" | 38 |
| 650-4838 | 1.1/2" | 38 |

Straight Hose Tails, Brass



Male Thread, NPT, Ball Swivel Joints

| 1010 | Thread | To Suit Hose ID |
|----------|-------------|-----------------|
| BSJ-IW13 | 1/4" x 1/4" | - |
| BSJ-TF06 | 1/4" | 1/4" |
| BSJ-TF08 | 1/4" | 5/16" |
| BSJ-TF10 | 1/4" | 3/8" |



Female Thread, BSPP

| 1010 | Thread | To Suit Hose ID |
|----------|--------|-----------------|
| FFH02/03 | 1/8" | 3/16" |
| FFH02/04 | 1/8" | 1/4" |
| FFH02/05 | 1/8" | 5/16" |
| FFH02/06 | 1/8" | 3/8" |
| FFH04/03 | 1/4" | 3/16" |
| FFH04/04 | 1/4" | 1/4" |
| FFH04/05 | 1/4" | 5/16" |
| FFH04/06 | 1/4" | 3/8" |
| FFH06/04 | 3/8" | 1/4" |
| FFH06/05 | 3/8" | 5/16" |
| FFH06/06 | 3/8" | 3/8" |
| FFH06/08 | 3/8" | 1/2" |
| FFH08/04 | 1/2" | 1/4" |
| FFH08/05 | 1/2" | 5/16" |
| FFH08/06 | 1/2" | 3/8" |
| FFH08/08 | 1/2" | 1/2" |
| FFH08/10 | 1/2" | 5/8" |
| FFH08/12 | 1/2" | 3/4" |
| FFH08/16 | 1/2" | 1" |

Straight Swivel Hose Tails, Brass



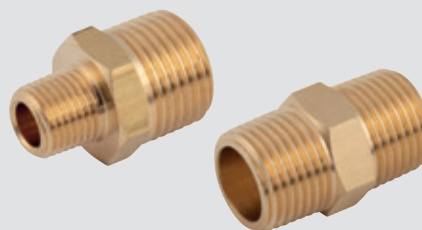
Swivel Female Thread, 60° Coned Seat, BSPP

| 1010 | Thread | To Suit Hose ID |
|----------|--------|-----------------|
| FH10/18 | 1/8" | 1/8" |
| FH10/316 | 1/8" | 3/16" |
| FH13/18 | 1/4" | 1/8" |
| FH13/316 | 1/4" | 3/16" |
| FH13/14 | 1/4" | 1/4" |
| FH13/516 | 1/4" | 5/16" |
| FH13/38 | 1/4" | 3/8" |
| FH17/14 | 3/8" | 1/4" |
| FH17/516 | 3/8" | 5/16" |
| FH17/38 | 3/8" | 3/8" |
| FH17/12 | 3/8" | 1/2" |
| FH21/14 | 1/2" | 1/4" |
| FH21/516 | 1/2" | 5/16" |
| FH21/38 | 1/2" | 3/8" |
| FH21/12 | 1/2" | 1/2" |
| FH26/12 | 3/4" | 1/2" |
| FH26/34 | 3/4" | 3/4" |
| FH33/12 | 1" | 1/2" |
| FH33/58 | 1" | 5/8" |
| FH33/34 | 1" | 3/4" |
| FH33/1 | 1" | 1" |
| FH42/114 | 1.1/4" | 1.1/4" |
| FH48/114 | 1.1/2" | 1.1/4" |
| FH48/112 | 1.1/2" | 1.1/2" |
| FH52/2 | 2" | 2" |



Swivel Female Thread, Flat Faced Seat with Washer, BSPP

| 1010 | Thread | To Suit Hose ID |
|------------|--------|-----------------|
| FH10/18FF | 1/8" | 1/8" |
| FH10/316FF | 1/8" | 3/16" |
| FH10/14FF | 1/8" | 1/4" |
| FH13/316FF | 1/4" | 3/16" |
| FH13/14FF | 1/4" | 1/4" |
| FH13/516FF | 1/4" | 5/16" |
| FH13/38FF | 1/4" | 3/8" |
| FH17/14FF | 3/8" | 1/4" |
| FH17/516FF | 3/8" | 5/16" |
| FH17/38FF | 3/8" | 3/8" |
| FH17/12FF | 3/8" | 1/2" |
| FH21/14FF | 1/2" | 1/4" (6) |
| FH21/516FF | 1/2" | 5/16" |
| FH21/38FF | 1/2" | 3/8" |
| FH21/12FF | 1/2" | 1/2" |
| FH21/58FF | 1/2" | 5/8" |
| FH26/12FF | 3/4" | 3/8" (10) |
| FH26/12FF | 3/4" | 1/2" |
| FH26/58FF | 3/4" | 5/8" |
| FH26/34FF | 3/4" | 3/4" |
| FH33/12FF | 1" | 1/2" (12) |
| FH33/34FF | 1" | 3/4" (19) |
| FH33/1FF | 1" | 1" |
| FH42/114FF | 1.1/4" | 1.1/4" |
| FH48/112FF | 1.1/2" | 1.1/2" |
| FH52/2FF | 2" | 2" |



For Brass Adaptors
...see pages 1165-1176

HOSE TAILS



Elbow Hose Tails, Brass



Male Thread, BSPT

| 1010 | Thread | To Suit Hose ID mm |
|----------|--------|--------------------|
| 600-1008 | 1/8" | 8 |
| 600-1306 | 1/4" | 6 |
| 600-1308 | 1/4" | 8 |
| 600-1310 | 1/4" | 10 |
| 600-1708 | 3/8" | 8 |
| 600-1710 | 3/8" | 10 |

Swivel Female Thread, Coned Seat, BSPP



| 1010 | Thread | To Suit Hose ID mm |
|----------|--------|--------------------|
| 628-1006 | 1/8" | 6 |
| 628-1305 | 1/4" | 5 |
| 628-1306 | 1/4" | 6 |
| 628-1308 | 1/4" | 8 |
| 628-1310 | 1/4" | 10 |
| 628-1706 | 3/8" | 6 |
| 628-1708 | 3/8" | 8 |
| 628-1710 | 3/8" | 10 |
| 628-2110 | 1/2" | 10 |
| 628-2112 | 1/2" | 12 |



Female Thread, BSPP

| 1010 | Thread | To Suit Hose ID | To Suit Hose ID mm |
|-----------|--------|-----------------|--------------------|
| FET14-516 | 1/4" | 5/16" | 8 |
| FET14-38 | 1/4" | 3/8" | 10 |
| FET38-38 | 3/8" | 3/8" | 10 |
| FET38-12 | 3/8" | 1/2" | 13 |

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Male Thread, BSPT

| 1010 | Thread | To Suit Hose ID | To Suit Hose ID mm |
|-----------|--------|-----------------|--------------------|
| EHT-18-6 | 1/8" | 1/4" | 6 |
| EHT-18-8 | 1/8" | 5/16" | 8 |
| EHT-18-10 | 1/8" | 3/8" | 10 |
| EHT-14-6 | 1/4" | 1/4" | 6 |
| EHT-14-8 | 1/4" | 5/16" | 8 |
| EHT-14-10 | 1/4" | 3/8" | 10 |
| EHT-14-13 | 1/4" | 1/2" | 13 |
| EHT-38-6 | 3/8" | 1/4" | 6 |
| EHT-38-8 | 3/8" | 5/16" | 8 |
| EHT-38-10 | 3/8" | 3/8" | 10 |
| EHT-38-13 | 3/8" | 1/2" | 13 |
| EHT-12-8 | 1/2" | 5/16" | 8 |
| EHT-12-10 | 1/2" | 3/8" | 10 |
| EHT-12-13 | 1/2" | 1/2" | 13 |

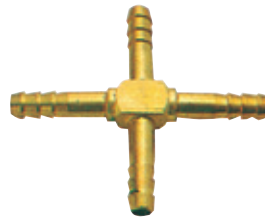
Tech Sheet 20349

Y Hose Tails, Brass



| 1010 | To Suit Hose ID | To Suit Hose ID mm |
|-----------|-----------------|--------------------|
| 2020-1940 | 3/16" | 5 |
| 2020-1943 | 1/4" | 6 |
| 2020-1950 | 5/16" | 8 |
| 2020-1968 | 3/8" | 10 |
| 2020-1976 | 1/2" | 12 |

Cross Hose Tails, Brass



| 1010 | To Suit Hose ID | To Suit Hose ID mm |
|-----------|-----------------|--------------------|
| 2020-1901 | 1/4" | 6 |
| 2020-1919 | 5/16" | 8 |
| 2020-1927 | 3/8" | 10 |
| 2020-1935 | 1/2" | 12 |

Tech Sheet 20349

Tee Hose Tails, Brass



Single Barbed

| 1010 | To Suit Hose ID | To Suit Hose ID mm |
|----------|-----------------|--------------------|
| 620-2108 | 5/16" | 8 |
| 620-2110 | 3/8" | 10 |
| 620-2112 | 1/2" | 12 |

Multi Barbed



| 1010 | To Suit Hose ID | To Suit Hose ID mm |
|--------|-----------------|--------------------|
| THT-5 | 3/16" | 5 |
| THT-6 | 1/4" | 6 |
| THT-8 | 5/16" | 8 |
| THT-10 | 3/8" | 10 |
| THT-13 | 1/2" | 13 |
| HRCT12 | 3/4" | 19 |

Tech Sheet 20348

Hose Joiners, Brass



Equal

| 0422 | To Suit Hose ID |
|---------|-----------------|
| DS04/04 | 1/8" |
| DS05/05 | 3/16" |
| DS06/06 | 1/4" |
| DS08/08 | 5/16" |
| DS09/09 | 3/8" |
| DS13/13 | 1/2" |
| DS16/16 | 5/8" |
| DS19/19 | 3/4" |
| DS25/25 | 1" |
| DS31/31 | 1.1/4" |
| DS38/38 | 1.1/2" |
| DS50/50 | 2" |

Unequal

| 0422 | To Suit Hose ID | To Suit Hose ID |
|---------|-----------------|-----------------|
| DS09/06 | 3/8" | 1/4" |
| DS13/06 | 1/2" | 1/4" |
| DS13/08 | 1/2" | 5/16" |
| DS13/09 | 1/2" | 3/8" |
| DS16/09 | 5/8" | 3/8" |
| DS16/13 | 5/8" | 1/2" |
| DS19/09 | 3/4" | 3/8" |
| DS19/13 | 3/4" | 1/2" |
| DS19/16 | 3/4" | 5/8" |
| DS25/19 | 1" | 3/4" |

Metric Stand Pipe



| 0422 | Stand Pipe mm | To Suit Hose ID mm |
|---------|---------------|--------------------|
| CL15-10 | 15 | 10 |

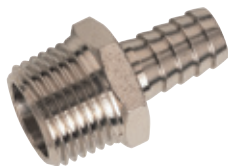
Soldering Nut & Nipple



Female Thread, BSPP

| 0447 | Thread | To Suit Hose ID |
|---------|--------|-----------------|
| SN02/03 | 1/8" | 3/16" |
| SN04/04 | 1/4" | 1/4" |
| SN04/05 | 1/4" | 5/16" |
| SN06/06 | 3/8" | 3/8" |
| SN08/08 | 1/2" | 1/2" |
| SN12/12 | 3/4" | 3/4" |

Straight Hose Tails, Nickel Plated Brass



Male Thread, BSPT

| 0422 | Thread | To Suit Hose ID mm |
|-------------|--------|--------------------|
| 3040-4-1/8 | 1/8" | 4 |
| 3040-6-1/8 | 1/8" | 6 |
| 3040-7-1/8 | 1/8" | 7 |
| 3040-8-1/8 | 1/8" | 8 |
| 3040-9-1/8 | 1/8" | 9 |
| 3040-10-1/8 | 1/8" | 10 |
| 3040-6-1/4 | 1/4" | 6 |
| 3040-7-1/4 | 1/4" | 7 |
| 3040-8-1/4 | 1/4" | 8 |
| 3040-9-1/4 | 1/4" | 9 |
| 3040-10-1/4 | 1/4" | 10 |
| 3040-12-1/4 | 1/4" | 12 |
| 3040-8-3/8 | 3/8" | 8 |
| 3040-9-3/8 | 3/8" | 9 |
| 3040-10-3/8 | 3/8" | 10 |
| 3040-12-3/8 | 3/8" | 12 |
| 3040-14-3/8 | 3/8" | 14 |
| 3040-16-3/8 | 3/8" | 16 |
| 3040-17-3/8 | 3/8" | 17 |
| 3040-18-3/8 | 3/8" | 18 |
| 3040-20-3/8 | 3/8" | 20 |
| 3040-9-1/2 | 1/2" | 9 |
| 3040-10-1/2 | 1/2" | 10 |
| 3040-12-1/2 | 1/2" | 12 |
| 3040-14-1/2 | 1/2" | 14 |
| 3040-15-1/2 | 1/2" | 15 |
| 3040-16-1/2 | 1/2" | 16 |
| 3040-17-1/2 | 1/2" | 17 |
| 3040-18-1/2 | 1/2" | 18 |
| 3040-20-1/2 | 1/2" | 20 |
| 3040-16-3/4 | 3/4" | 16 |
| 3040-18-3/4 | 3/4" | 18 |
| 3040-20-3/4 | 3/4" | 20 |
| 3040-25-3/4 | 3/4" | 25 |
| 3040-25-1 | 1" | 25 |

Tech Sheet 10700



Male Thread, BSPP

| 0422 | Thread | To Suit Hose ID mm |
|-------------|--------|--------------------|
| 3045-4.5-M5 | M5 | 4.5 |
| 3045-4-1/8 | 1/8" | 4 |
| 3045-6-1/8 | 1/8" | 6 |
| 3045-7-1/8 | 1/8" | 7 |
| 3045-8-1/8 | 1/8" | 8 |
| 3045-9-1/8 | 1/8" | 9 |
| 3045-6-1/4 | 1/4" | 6 |
| 3045-7-1/4 | 1/4" | 7 |
| 3045-8-1/4 | 1/4" | 8 |
| 3045-9-1/4 | 1/4" | 9 |
| 3045-12-1/4 | 1/4" | 12 |
| 3045-9-3/8 | 3/8" | 9 |
| 3045-12-3/8 | 3/8" | 12 |
| 3045-17-3/8 | 3/8" | 17 |
| 3045-9-1/2 | 1/2" | 9 |
| 3045-12-1/2 | 1/2" | 12 |
| 3045-15-1/2 | 1/2" | 15 |
| 3045-17-1/2 | 1/2" | 17 |

Tech Sheet 10701



Male Thread, BSPT

| 5003 | Thread | To Suit Hose ID mm |
|----------|--------|--------------------|
| MC3/4-19 | 3/4" | 19 |
| MC1-25 | 1" | 25 |



Female Thread, BSPP

| 0422 | Thread | To Suit Hose ID mm |
|----------|--------|--------------------|
| FHT6/10 | 1/8" | 6 |
| FHT6/13 | 1/4" | 6 |
| FHT7/10 | 1/8" | 7 |
| FHT7/13 | 1/4" | 7 |
| FHT8/13 | 1/4" | 8 |
| FHT9/13 | 1/4" | 9 |
| FHT9/17 | 3/8" | 9 |
| FHT10/13 | 1/4" | 10 |
| FHT10/17 | 3/8" | 10 |
| FHT12/17 | 3/8" | 12 |
| FHT12/21 | 1/2" | 12 |

Tech Sheet 10702

Elbow Hose Tails, Nickel Plated Brass



Male Thread, BSPT

| 1020 | Thread | To Suit Hose ID | To Suit Hose ID mm |
|------------|--------|-----------------|--------------------|
| 3055-6-1/8 | 1/8" | 1/4" | 6 |
| 3055-6-1/4 | 1/4" | 1/4" | 6 |
| 3055-9-1/4 | 1/4" | 3/8" | 9 |

Tech Sheet 10702



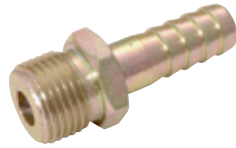
For Hydraulic Hose Range
...see pages 6-14



HOSE TAILS

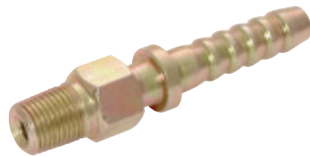


Straight Hose Tails, Steel Zinc Plated



Male Thread, BSPP

| 1011 | Thread | To Suit Hose ID |
|-----------|--------|-----------------|
| 2049-1460 | 3/8" | 3/8" |
| 2049-1478 | 1/2" | 1/2" |
| 2049-1502 | 3/4" | 3/4" |
| 2049-1528 | 1" | 1" |



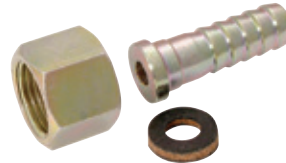
Male Thread, BSPT, Safety Locking Collar

| 1011 | Thread | To Suit Hose ID |
|----------|--------|-----------------|
| SMH18-14 | 1/8" | 1/4" |
| SMH14-38 | 1/4" | 3/8" |
| SMH14-12 | 1/4" | 1/2" |
| SMH38-14 | 3/8" | 1/4" |
| SMH12-38 | 1/2" | 3/8" |
| SMH12-12 | 1/2" | 1/2" |
| SMH12-34 | 1/2" | 3/4" |
| SMH34-12 | 3/4" | 1/2" |
| SMH34-34 | 3/4" | 3/4" |
| SMH01-01 | 1" | 1" |



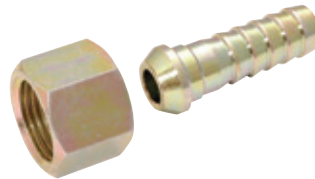
Male Thread, BSPT

| 1011 | Thread | To Suit Hose ID |
|-----------|--------|-----------------|
| 2049-1536 | 1/4" | 1/4" |
| 2049-1537 | 1/4" | 5/16" |
| 2052-8998 | 1/4" | 3/8" |
| 2049-1538 | 1/4" | 1/2" |
| 2049-1539 | 3/8" | 1/4" |
| 2049-1540 | 3/8" | 5/16" |
| 2049-1544 | 3/8" | 3/8" |
| 2052-9020 | 3/8" | 1/2" |
| 2052-9038 | 1/2" | 3/8" |
| 2049-1551 | 1/2" | 1/2" |
| 2052-9046 | 3/4" | 1/2" |
| 2052-9053 | 3/4" | 1" |
| 2049-1577 | 1" | 1" |



Swivel Female Thread, Flat Faced Seat with Washer, BSPP

| 1011 | Thread | To Suit Hose ID |
|-----------|--------|-----------------|
| 2049-1585 | 1/2" | 1/2" |
| 2049-1593 | 3/4" | 3/4" |
| 2049-1601 | 1" | 1" |
| 2049-1619 | 1.1/4" | 1.1/4" |



Swivel Female Thread, Coned Seat, BSPP

| 1011 | Thread | To Suit Hose ID |
|-----------|--------|-----------------|
| 2049-1630 | 1/4" | 1/4" |
| 2049-1633 | 1/4" | 5/16" |
| 2049-1638 | 1/4" | 3/8" |
| 2049-1640 | 3/8" | 3/8" |
| 2049-1643 | 1/2" | 1/2" |
| 2049-1668 | 3/4" | 3/4" |
| 2049-1684 | 1" | 1" |

Straight Hose Tail, Steel Plated



Swivel Male Thread, BSPT

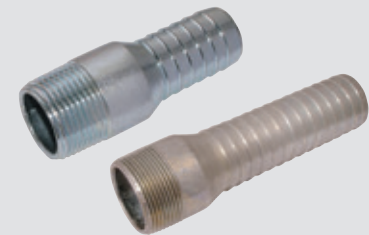
| 1011 | Thread | To Suit Hose ID |
|----------|--------|-----------------|
| MH04/04S | 1/4" | 1/4" |

Hose Joiners, Steel



Equal

| 1011 | To Suit Hose ID |
|-----------|-----------------|
| SHRC04/04 | 1/4" |
| SHRC05/05 | 5/16" |



For Combination Nipples
...see page 1497

HOSE TAILS

Straight Hose Tails, Aluminium



- These lightweight hose tails are manufactured to a high strength specification with a lower cost in comparison to its brass alternative.
- Tapered in conformity with ISO 7.1, BS 21, DIN 2999.
- Has the appearance of brass.
- Lightweight.
- General use for compressed air, pneumatics, oils and fluids.

Male Thread, BSPT

| 0383 | Thread | To Suit Hose ID |
|-----------|--------|-----------------|
| AGT13/06K | 1/4" | 1/4" |
| AGT13/08K | 1/4" | 5/16" |
| AGT13/09K | 1/4" | 3/8" |
| AGT13/13K | 1/4" | 1/2" |
| AGT17/09K | 3/8" | 3/8" |
| AGT17/13K | 3/8" | 1/2" |
| AGT21/13K | 1/2" | 1/2" |
| AGT21/19K | 1/2" | 3/4" |
| AGT26/19K | 3/4" | 3/4" |
| AGT33/25K | 1" | 1" |

N.B. Safe pressures and temperatures depend entirely on the hose being used, for this reason the values must be determined in accordance with the hose features.



Working Temperature:
0°C to +80°C



Maximum Working Pressure
10 bar

PUSH-ON HOSE ADAPTORS

Threads: Metric conforming to ISO R/262

Application: Flexible plastic tubes

Materials: Technopolymer body, Brass hose adaptor

Medium: Compressed air

Working Temperature:
-10°C to +80°C

Maximum Working Pressure:
10 bar

Vacuum: -0.99 bar

Elbow Hose Adaptor



Tube x Tube

| 1020 | To Suit Hose ID mm |
|----------------|--------------------|
| 1513-2 | 2 |
| 1513-3 | 3 |
| 1513-4 | 4 |
| 1513-6 | 6 |
| Tech Sheet 983 | |

Tee Hose Adaptor



Tube x Tube

| 1020 | To Suit Hose ID mm |
|----------------|--------------------|
| 1523-2 | 2 |
| 1523-3 | 3 |
| 1523-4 | 4 |
| 1523-6 | 6 |
| Tech Sheet 983 | |

Straight Hose Adaptor



Tube x Tube

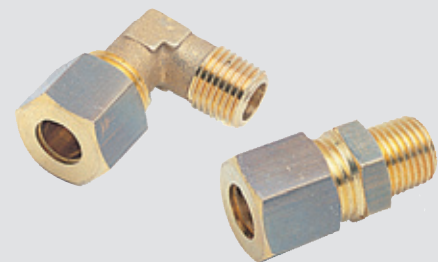
| 1020 | Hose ID mm A | To Suit Hose ID mm B: |
|----------------|--------------|-----------------------|
| 1504-22 | 2 | 2 |
| 1504-32 | 3 | 2 |
| 1504-33 | 3 | 3 |
| 1504-43 | 4 | 3 |
| 1504-44 | 4 | 4 |
| 1504-64 | 6 | 4 |
| 1504-66 | 6 | 6 |
| Tech Sheet 983 | | |

Straight Male Hose Adaptor



Tube x Metric

| 1020 | To Suit Hose ID mm | Thread |
|----------------|--------------------|--------|
| 1500-2 | 2 | M5 |
| 1500-3 | 3 | M5 |
| 1500-4 | 4 | M5 |
| 1500-6 | 6 | M5 |
| Tech Sheet 983 | | |



POLYPROPYLENE HOSE TAILS ADAPTORS



° Maximum Working Temperature:
+80°C

Maximum Working Pressure:
8 bar

9.01 Hose Tails

Threaded Studs



Male BSPP x Barb OD

| 0679 | OD mm | Thread |
|----------|-------|--------|
| 28PHA01 | 6 | 1/4" |
| 28PHA04 | 10 | 3/8" |
| 28PHA05 | 12 | 3/8" |
| 28PHA06 | 16 | 3/8" |
| 28PHA08 | 13 | 1/2" |
| 28PHA09 | 16 | 1/2" |
| 28PHA10 | 20 | 1/2" |
| 28PHA11 | 10 | 3/4" |
| 28PHA12 | 13 | 3/4" |
| 28PHA13 | 16 | 3/4" |
| 28PHA14 | 20 | 3/4" |
| 28PHA15 | 25 | 3/4" |
| 28PHA16 | 20 | 1" |
| 28PHA17 | 25 | 1" |
| 28PHA18 | 32 | 1" |
| 28PHA18A | 20 | 1.1/4" |
| 28PHA19 | 25 | 1.1/4" |
| 28PHA20 | 32 | 1.1/4" |
| 28PHA21 | 40 | 1.1/4" |
| 28PHA22 | 38 | 1.1/2" |
| 28PHA22A | 40 | 1.1/2" |
| 28PHA23 | 50 | 1.1/2" |
| 28PHA24 | 50 | 2" |

Tech Sheet 68762

Stepped Male BSPP x Barb OD



| 0679 | OD mm | Thread |
|-----------|----------------|--------|
| 28PHA25B1 | 10/13/20 | 1/2" |
| 28PHA25C | 13/20/25 | 3/4" |
| 28PHA25D | 20/25/32 | 1" |
| 28PHA25E | 25/32/38 | 1.1/4" |
| 28PHA25F | 13/20/25/32/38 | 1.1/2" |

Tech Sheet 68762

90° Male BSPP Elbow x Barb OD



| 0679 | OD mm | Thread |
|----------|-------|--------|
| 29PHA27 | 13 | 1/2" |
| 29PHA28 | 16 | 1/2" |
| 29PHA29 | 20 | 1/2" |
| 29PHA30 | 12 | 3/4" |
| 29PHA31 | 20 | 3/4" |
| 29PHA32A | 25 | 3/4" |
| 29PHA33 | 25 | 1" |
| 29PHA34 | 32 | 1" |
| 29PHA35 | 32 | 1.1/4" |
| 29PHA36 | 40 | 1.1/2" |
| 29PHA37 | 51 | 2" |

Tech Sheet 68762

Fixed Female BSPP x Barb OD



| 0679 | OD mm | Thread |
|---------|-------|--------|
| 28PHA50 | 16 | 3/4" |
| 28PHA51 | 20 | 3/4" |

Tech Sheet 68762

Female BSPP, Nut Liner & Seal x Barb OD



| 0679 | OD mm | Thread |
|----------|-------|--------|
| 28PHA38 | 10 | 3/8" |
| 28PHA39 | 13 | 1/2" |
| 28PHA40 | 10 | 3/4" |
| 28PHA40A | 13 | 3/4" |
| 28PHA40B | 16 | 3/4" |
| 28PHA40C | 20 | 3/4" |
| 28PHA41A | 20 | 1" |
| 28PHA41B | 25 | 1" |
| 28PHA42 | 20 | 1.1/4" |
| 28PHA42A | 25 | 1.1/4" |
| 28PHA42B | 32 | 1.1/4" |
| 28PHA43 | 40 | 1.1/2" |
| 28PHA43A | 38 | 1.1/2" |
| 28PHA44 | 50 | 2" |

Tech Sheet 68762

Male BSPP Y Piece, Twin Barb OD



| 0679 | OD mm | Thread |
|----------|-------|--------|
| 28PHA52 | 10 | 3/4" |
| 28PHA53 | 13 | 3/4" |
| 28PHA53B | 20 | 3/4" |
| 28PHA53C | 25 | 1" |

Tech Sheet 68762

Male BSPP Y Piece, Triple Barb OD



| 0679 | OD mm | Thread |
|---------|-------|--------|
| 28PHA54 | 10 | 3/4" |
| 28PHA55 | 13 | 3/4" |

Tech Sheet 68762

90° Female BSPP Elbow, Nut Liner & Seal x Barb OD



| 0679 | OD mm | Thread |
|-----------|-------|--------|
| 28PHA45A | 12 | 1/2" |
| 28PHA45B | 12 | 3/4" |
| 28PHA45C | 16 | 3/4" |
| 28PHA46 | 20 | 3/4" |
| 28PHA47A | 25 | 1" |
| 28PHA47BC | 25 | 1.1/4" |
| 28PHA47B | 32 | 1.1/4" |
| 28PHA47C | 40 | 1.1/2" |
| 28PHA47D | 50 | 2" |

Tech Sheet 68762

OD Barb x OD Barb Adaptors



Equal Hose Menders

| 0679 | OD mm |
|----------|-------|
| 28PHM01A | 6 |
| 28PHM03 | 13 |
| 28PHM04B | 16 |
| 28PHM05 | 20 |
| 28PHM06 | 25 |
| 28PHM07 | 32 |
| 28PHM08 | 40 |
| 28PHM09A | 50 |

Tech Sheet 68762

Unequal Hose Menders



| 0679 | OD A mm | OD B mm |
|-----------|---------|---------|
| 28PHMR04B | 13 | 20 |
| 28PHMR04C | 13 | 26 |
| 28PHMR05 | 20 | 25 |
| 28PHMR06 | 26 | 32 |
| 28PHMR09 | 25 | 38 |
| 28PHMR08 | 32 | 38 |
| 28PHMR10 | 38.5 | 50 |

Tech Sheet 68762

90° Equal Elbow Hose Menders



| 0679 | OD mm |
|-----------|-------|
| 28PHLA01 | 6 |
| 28PHLA02 | 10 |
| 28PHLB03 | 13 |
| 28PHLB05 | 20 |
| 28PHLB06 | 25 |
| 28PHLB07 | 32 |
| 28PHLB08 | 40 |
| 28PHLB09A | 50 |

Tech Sheet 68762

NYLON HOSE TAILS



Tefen hose fittings are the perfect choice to connect all types of flexible rubber and plastic tubes in domestic, industrial and all other general applications.

Nylon 6-6

Temperature:
-20 to 110°C



Working Pressure:
Up to 14 bar (200 psi) at 20°C

Fittings Dimensions: refer to tube ID or OD,
with respect to the common application

Main advantages:

- Strong and durable
- High impact resistant
- Food Certified

Female Swivel Nut x Hose Tail



BSPT

| 0497 | To Suit Hose ID | To Suit Hose ID mm | Thread |
|------------|-----------------|--------------------|--------|
| PN14-4-18 | 1/8" | 4 | 1/8" |
| PN14-5-18 | 3/16" | 5 | 1/8" |
| PN14-4-14 | 1/8" | 4 | 1/4" |
| PN14-5-14 | 3/16" | 5 | 1/4" |
| PN14-6-14 | 1/4" | 6 | 1/4" |
| PN14-8-14 | 5/16" | 8 | 1/4" |
| PN14-5-38 | 3/16" | 5 | 3/8" |
| PN14-6-38 | 1/4" | 6 | 3/8" |
| PN14-8-38 | 5/16" | 8 | 3/8" |
| PN14-10-38 | 3/8" | 10 | 3/8" |
| PN14-6-12 | 1/4" | 6 | 1/2" |
| PN14-8-12 | 5/16" | 8 | 1/2" |
| PN14-10-12 | 3/8" | 10 | 1/2" |
| PN14-12-12 | 1/2" | 12 | 1/2" |
| PN14-14-12 | - | 14 | 1/2" |
| PN14-10-34 | 3/8" | 10 | 3/4" |
| PN14-12-34 | 1/2" | 12 | 3/4" |
| PN14-14-34 | - | 14 | 3/4" |
| PN14-16-34 | 5/8" | 16 | 3/4" |
| PN14-19-34 | 3/4" | 19 | 3/4" |

Female x Hose Tail



BSPT

| 0497 | To Suit Hose ID | To Suit Hose ID mm | Thread |
|------------|-----------------|--------------------|--------|
| PN25-5-18 | 3/16" | 5 | 1/8" |
| PN25-6-18 | 1/4" | 6 | 1/8" |
| PN25-8-12 | 5/16" | 8 | 1/2" |
| PN25-10-12 | 3/8" | 10 | 1/2" |
| PN25-12-12 | 1/2" | 12 | 1/2" |
| PN25-14-12 | - | 14 | 1/2" |
| PN25-19-12 | 3/4" | 19 | 1/2" |

Male x Hose Tail



BSPT

| 0497 | To Suit Hose ID | To Suit Hose ID mm | Thread |
|------------|-----------------|--------------------|--------|
| PN15-4-18 | 1/8" | 4 | 1/8" |
| PN15-4-14 | 1/8" | 4 | 1/4" |
| PN15-5-18 | 3/16" | 5 | 1/8" |
| PN15-5-14 | 3/16" | 5 | 1/4" |
| PN15-6-18 | 1/4" | 6 | 1/8" |
| PN15-6-14 | 1/4" | 6 | 1/4" |
| PN15-6-38 | 1/4" | 6 | 3/8" |
| PN15-6-12 | 1/4" | 6 | 1/2" |
| PN15-6-34 | 1/4" | 6 | 3/4" |
| PN15-8-18 | 5/16" | 8 | 1/8" |
| PN15-8-14 | 5/16" | 8 | 1/4" |
| PN15-8-38 | 5/16" | 8 | 3/8" |
| PN15-8-12 | 5/16" | 8 | 1/2" |
| PN15-10-14 | 3/8" | 10 | 1/4" |
| PN15-10-38 | 3/8" | 10 | 3/8" |
| PN15-10-12 | 3/8" | 10 | 1/2" |
| PN15-10-34 | 3/8" | 10 | 3/4" |
| PN15-12-14 | 1/2" | 12 | 1/4" |
| PN15-12-38 | 1/2" | 12 | 3/8" |
| PN15-12-12 | 1/2" | 12 | 1/2" |
| PN15-12-34 | 1/2" | 12 | 3/4" |
| PN15-14-38 | - | 14 | 3/8" |
| PN15-14-12 | - | 14 | 1/2" |
| PN15-14-34 | - | 14 | 3/4" |
| PN15-16-12 | 5/8" | 16 | 1/2" |
| PN15-16-34 | 5/8" | 16 | 3/4" |
| PN15-19-12 | 3/4" | 19 | 1/2" |
| PN15-19-34 | 3/4" | 19 | 3/4" |
| PN15-19-1 | 3/4" | 19 | 1" |
| PN15-25-34 | 1" | 25 | 3/4" |

Hose Repairer



Tube x Tube

| 0497 | To Suit Hose ID | To Suit, Hose ID mm |
|---------|-----------------|---------------------|
| PN20-4 | 1/8" | 4 |
| PN20-5 | 3/16" | 5 |
| PN20-6 | 1/4" | 6 |
| PN20-8 | 5/16" | 8 |
| PN20-10 | 3/8" | 10 |
| PN20-12 | 1/2" | 12 |
| PN20-14 | - | 14 |
| PN20-16 | 5/8" | 16 |
| PN20-19 | 3/4" | 19 |

Reducing Hose Repairer



Tube x Tube

| 0497 | To Suit Hose ID | To Suit Hose ID mm | To Suit Hose ID | To Suit Hose ID mm |
|------------|-----------------|--------------------|-----------------|--------------------|
| PN19-5-4 | 3/16" | 5 | 1/8" | 4 |
| PN19-6-4 | 1/4" | 6 | 1/8" | 4 |
| PN19-6-5 | 1/4" | 6 | 3/16" | 5 |
| PN19-8-5 | 5/16" | 8 | 3/16" | 5 |
| PN19-8-6 | 5/16" | 8 | 1/4" | 6 |
| PN19-10-6 | 3/8" | 10 | 1/4" | 6 |
| PN19-10-8 | 3/8" | 10 | 5/16" | 8 |
| PN19-12-8 | 1/2" | 12 | 5/16" | 8 |
| PN19-12-10 | 1/2" | 12 | 3/8" | 10 |
| PN19-14-10 | 3/8" | 10 | 3/8" | 10 |
| PN19-14-12 | - | 14 | 1/2" | 12 |
| PN19-16-12 | 5/8" | 16 | 1/2" | 12 |
| PN19-16-14 | 5/8" | 16 | - | 14 |
| PN19-19-14 | 3/4" | 19 | - | 14 |
| PN19-19-16 | 3/4" | 19 | 5/8" | 16 |

Blanking Plug



BSPT

| 0497 | Thread |
|---------|--------|
| PN12-18 | 1/8" |
| PN12-14 | 1/4" |
| PN12-38 | 3/8" |
| PN12-12 | 1/2" |
| PN12-34 | 3/4" |

Blanking Cap



BSPT

| 0497 | Thread |
|---------|--------|
| PN13-18 | 1/8" |
| PN13-14 | 1/4" |
| PN13-38 | 3/8" |
| PN13-12 | 1/2" |
| PN13-34 | 3/4" |

NYLON HOSE TAILS



Nylon 6-6

Temperature:
-20 to 110°C

Working Pressure:
Up to 14 bar (200 psi) at 20°C

Fittings Dimensions: refer to tube ID or OD,
with respect to the common application

Male Elbow Hose Connector



BSPT

| 0497 | To Suit Hose ID | To Suit Hose ID mm | Thread |
|------------|-----------------|--------------------|--------|
| PN16-4-18 | 1/8" | 4 | 1/8" |
| PN16-4-14 | 1/8" | 4 | 1/4" |
| PN16-5-18 | 3/16" | 5 | 1/8" |
| PN16-5-14 | 3/16" | 5 | 1/4" |
| PN16-5-12 | 3/16" | 5 | 1/2" |
| PN16-6-18 | 1/4" | 6 | 1/8" |
| PN16-6-14 | 1/4" | 6 | 1/4" |
| PN16-6-38 | 1/4" | 6 | 3/8" |
| PN16-6-12 | 1/4" | 6 | 1/2" |
| PN16-8-18 | 5/16" | 8 | 1/8" |
| PN16-8-14 | 5/16" | 8 | 1/4" |
| PN16-8-38 | 5/16" | 8 | 3/8" |
| PN16-8-12 | 5/16" | 8 | 1/2" |
| PN16-10-14 | 3/8" | 10 | 1/4" |
| PN16-10-38 | 3/8" | 10 | 3/8" |
| PN16-10-12 | 3/8" | 10 | 1/2" |
| PN16-10-34 | 3/8" | 10 | 3/4" |
| PN16-12-14 | 1/2" | 12 | 1/4" |
| PN16-12-38 | 1/2" | 12 | 3/8" |
| PN16-12-12 | 1/2" | 12 | 1/2" |
| PN16-12-34 | 1/2" | 12 | 3/4" |
| PN16-14-38 | 14mm | 14 | 3/8" |
| PN16-14-12 | 14mm | 14 | 1/2" |
| PN16-14-34 | 14mm | 14 | 3/4" |
| PN16-16-12 | 5/8" | 16 | 1/2" |
| PN16-16-34 | 5/8" | 16 | 3/4" |
| PN16-19-12 | 3/4" | 19 | 1/2" |
| PN16-19-34 | 3/4" | 19 | 3/4" |

Elbow Hose Connector



Tube x Tube

| 0497 | To Suit Hose ID | To Suit Hose ID mm |
|---------|-----------------|--------------------|
| PN18-4 | 1/8" | 4 |
| PN18-5 | 3/16" | 5 |
| PN18-6 | 1/4" | 6 |
| PN18-8 | 5/16" | 8 |
| PN18-10 | 3/8" | 10 |
| PN18-12 | 1/2" | 12 |
| PN18-14 | 14mm | 14 |
| PN18-16 | 5/8" | 16 |
| PN18-19 | 3/4" | 19 |

Male Branch Tee Hose Connector



BSPT

| 0497 | To Suit Hose ID | To Suit Hose ID mm | Thread |
|------------|-----------------|--------------------|--------|
| PN22-4-18 | 1/8" | 4 | 1/8" |
| PN22-4-14 | 1/8" | 4 | 1/4" |
| PN22-5-18 | 3/16" | 5 | 1/8" |
| PN22-5-14 | 3/16" | 5 | 1/4" |
| PN22-6-18 | 1/4" | 6 | 1/8" |
| PN22-6-14 | 1/4" | 6 | 1/4" |
| PN22-6-38 | 1/4" | 6 | 3/8" |
| PN22-6-12 | 1/4" | 6 | 1/2" |
| PN22-8-18 | 5/16" | 8 | 1/8" |
| PN22-8-14 | 5/16" | 8 | 1/4" |
| PN22-8-38 | 5/16" | 8 | 3/8" |
| PN22-10-14 | 3/8" | 10 | 1/4" |
| PN22-10-38 | 3/8" | 10 | 3/8" |
| PN22-10-12 | 3/8" | 10 | 1/2" |
| PN22-12-14 | 1/2" | 12 | 1/4" |
| PN22-12-38 | 1/2" | 12 | 3/8" |
| PN22-12-12 | 1/2" | 12 | 1/2" |
| PN22-12-34 | 1/2" | 12 | 3/4" |
| PN22-14-38 | - | 14 | 3/8" |
| PN22-16-12 | 5/8" | 16 | 1/2" |
| PN22-16-34 | 5/8" | 16 | 3/4" |
| PN22-19-12 | 3/4" | 19 | 1/2" |
| PN22-19-34 | 3/4" | 19 | 3/4" |

Reducing Elbow Hose Connector



Tube x Tube

| 0497 | To Suit Hose ID | To Suit Hose ID | To Suit Hose ID mm |
|------------|-----------------|-----------------|--------------------|
| PN17-5-4 | 3/16" | 1/8" | 4 |
| PN17-6-5 | 1/4" | 3/16" | 5 |
| PN17-8-6 | 5/16" | 1/4" | 6 |
| PN17-10-6 | 3/8" | 1/4" | 6 |
| PN17-10-8 | 3/8" | 5/16" | 8 |
| PN17-12-10 | 1/2" | 3/8" | 10 |
| PN17-16-14 | 5/8" | 14mm | 14 |
| PN17-19-16 | 3/4" | 5/8" | 16 |

Tee Hose Connector



Tube x Tube

| 0497 | To Suit Hose ID | To Suit Hose ID mm |
|---------|-----------------|--------------------|
| PN23-4 | 1/8" | 4 |
| PN23-5 | 3/16" | 5 |
| PN23-6 | 1/4" | 6 |
| PN23-8 | 5/16" | 8 |
| PN23-10 | 3/8" | 10 |
| PN23-12 | 1/2" | 12 |
| PN23-14 | 14mm | 14 |
| PN23-16 | 5/8" | 16 |
| PN23-19 | 3/4" | 19 |

Reducing Tee Hose Connector



Tube x Tube

| 0497 | To Suit Hose ID | To Suit Hose ID | To Suit Hose ID mm |
|------------|-----------------|-----------------|--------------------|
| PN24-5-4 | 3/16" | 1/8" | 4 |
| PN24-6-5 | 1/4" | 3/16" | 5 |
| PN24-8-6 | 5/16" | 1/4" | 6 |
| PN24-10-8 | 3/8" | 5/16" | 8 |
| PN24-12-10 | 1/2" | 3/8" | 10 |
| PN24-16-14 | 5/8" | 14mm | 14 |
| PN24-19-16 | 3/4" | 5/8" | 16 |

Hose Connector



Tube x Tube

| 0497 | To Suit Hose ID | To Suit Hose ID mm |
|---------|-----------------|--------------------|
| PN21-4 | 1/8" | 4 |
| PN21-6 | 1/4" | 6 |
| PN21-8 | 5/16" | 8 |
| PN21-10 | 3/8" | 10 |

PVDF HOSE TAILS

Fittings made of PVDF function better than nylon when exposed to a wide range of temperatures and high corrosive chemicals.

This enables them to be used in industries such as chemical processing due to their excellent chemical resistance properties.



Working Temperature:
-20°C to +120°C

Maximum Working Pressure:
14 bar at 20°C

Male x Hose Connector



BSPT

| 0472 | To Suit Hose ID | Thread |
|-------------|-----------------|--------|
| PPV15-4-18 | 1/8" | 1/8" |
| PPV15-5-14 | 3/16" | 1/4" |
| PPV15-6-18 | 1/4" | 1/8" |
| PPV15-6-14 | 1/4" | 1/4" |
| PPV15-6-38 | 1/4" | 3/8" |
| PPV15-6-12 | 1/4" | 1/2" |
| PPV15-8-14 | 5/16" | 1/4" |
| PPV15-8-38 | 5/16" | 3/8" |
| PPV15-8-12 | 5/16" | 1/2" |
| PPV15-10-14 | 3/8" | 1/4" |
| PPV15-10-38 | 3/8" | 3/8" |
| PPV15-10-12 | 3/8" | 1/2" |
| PPV15-10-34 | 3/8" | 3/4" |
| PPV15-12-38 | 1/2" | 3/8" |
| PPV15-12-12 | 1/2" | 1/2" |
| PPV15-12-34 | 1/2" | 3/4" |
| PPV15-16-12 | 5/8" | 1/2" |
| PPV15-19-12 | 3/4" | 1/2" |
| PPV15-19-34 | 3/4" | 3/4" |

Tech Sheet 60237

Female x Hose Connector



BSPT

| 0472 | To Suit Hose ID | Thread |
|-------------|-----------------|--------|
| PPV14-5-18 | 3/16" | 1/8" |
| PPV14-5-14 | 3/16" | 1/4" |
| PPV14-5-38 | 3/16" | 3/8" |
| PPV14-6-14 | 1/4" | 1/4" |
| PPV14-6-38 | 1/4" | 3/8" |
| PPV14-6-12 | 1/4" | 1/2" |
| PPV14-8-14 | 5/16" | 1/4" |
| PPV14-8-38 | 5/16" | 3/8" |
| PPV14-10-12 | 3/8" | 1/2" |
| PPV14-12-12 | 1/2" | 1/2" |

Tech Sheet 60237

Straight Hose Connector



Tube x Tube

| 0472 | To Suit Hose ID |
|---------|-----------------|
| PV20-5 | 3/16" |
| PV20-6 | 1/4" |
| PV20-10 | 3/8" |
| PV20-12 | 1/2" |

Tech Sheet 60237

Male Elbow Hose Connector



BSPT

| 0472 | To Suit Hose ID | Thread |
|-------------|-----------------|--------|
| PPV16-4-18 | 1/8" | 1/8" |
| PPV16-4-14 | 1/8" | 1/4" |
| PPV16-5-18 | 3/16" | 1/8" |
| PPV16-5-14 | 3/16" | 1/4" |
| PPV16-6-18 | 1/4" | 1/8" |
| PPV16-6-14 | 1/4" | 1/4" |
| PPV16-6-38 | 1/4" | 3/8" |
| PPV16-6-12 | 1/4" | 1/2" |
| PPV16-8-18 | 5/16" | 1/8" |
| PPV16-8-14 | 5/16" | 1/4" |
| PPV16-8-38 | 5/16" | 3/8" |
| PPV16-8-12 | 5/16" | 1/2" |
| PPV16-10-14 | 3/8" | 1/4" |
| PPV16-10-38 | 3/8" | 3/8" |
| PPV16-10-12 | 3/8" | 1/2" |
| PPV16-10-34 | 3/8" | 3/4" |
| PPV16-12-14 | 1/2" | 1/4" |
| PPV16-12-38 | 1/2" | 3/8" |
| PPV16-12-12 | 1/2" | 1/2" |
| PPV16-12-34 | 1/2" | 3/4" |
| PPV16-16-12 | 5/8" | 1/2" |
| PPV16-16-34 | 5/8" | 3/4" |
| PPV16-19-12 | 3/4" | 1/2" |
| PPV16-19-34 | 3/4" | 3/4" |

Tech Sheet 60237

Elbow Hose Connector



Tube x Tube

| 0472 | To Suit Hose ID |
|---------|-----------------|
| PV18-5 | 3/16" |
| PV18-8 | 5/16" |
| PV18-10 | 3/8" |
| PV18-12 | 1/2" |

Tech Sheet 60237

Reducing Elbow Hose Connector



Tube x Tube

| 0472 | To Suit Hose ID | To Suit Hose ID |
|------------|-----------------|-----------------|
| PV17-6-5 | 1/4" | 3/16" |
| PV17-8-6 | 5/16" | 1/4" |
| PV17-10-8 | 3/8" | 5/16" |
| PV17-12-10 | 1/2" | 3/8" |

Tech Sheet 60237

Tee Hose Connector



Tube x Tube

| 0472 | To Suit Hose ID |
|---------|-----------------|
| PV23-5 | 3/16" |
| PV23-6 | 1/4" |
| PV23-8 | 5/16" |
| PV23-10 | 3/8" |
| PV23-12 | 1/2" |

Tech Sheet 60237

Male Branch Tee Hose Connector



BSPT

| 0472 | To Suit Hose ID | Thread |
|-------------|-----------------|--------|
| PPV22-6-18 | 1/4" | 1/8" |
| PPV22-6-14 | 1/4" | 1/4" |
| PPV22-8-14 | 5/16" | 1/4" |
| PPV22-10-14 | 3/8" | 1/4" |
| PPV22-12-14 | 1/2" | 1/4" |
| PPV22-12-12 | 1/2" | 1/2" |
| PPV22-12-38 | 1/2" | 3/8" |
| PPV22-16-34 | 5/8" | 3/4" |
| PPV22-19-34 | 3/4" | 3/4" |

Tech Sheet 60237

PLASTIC HOSE TAILS



OUR SUPERIOR DESIGN AND MANUFACTURING PROCESS ENSURES HIGHLY ACCURATE CONNECTOR DIMENSIONS FOR A PERFECT SEAL.

NORMA® Plastic Hose Connectors

- High performance products specified by the world's leading manufacturers for all their hose, tube and pipe applications
- Quality assured engineering and manufacture to ISO 9002, QS 9000 and ISO 14001
- Nylon polyamide 6 material



Reducing Straight

| 7777 | To Suit Hose ID mm | To Suit Hose ID mm |
|--------------|--------------------|--------------------|
| NOR-GRS4-3 | 4 | 3 |
| NOR-GRS5-4 | 5 | 4 |
| NOR-GRS6-4 | 6 | 4 |
| NOR-GRS8-4 | 8 | 4 |
| NOR-GRS8-6 | 8 | 6 |
| NOR-GRS10-6 | 10 | 6 |
| NOR-GRS10-8 | 10 | 8 |
| NOR-GRS12-8 | 12 | 8 |
| NOR-GRS12-10 | 12 | 10 |

- Acetal POM material



Elbow

| 7777 | To Suit Hose ID mm |
|----------|--------------------|
| NOR-WS3 | 3 |
| NOR-WS4 | 4 |
| NOR-WS5 | 5 |
| NOR-WS6 | 6 |
| NOR-WS8 | 8 |
| NOR-WS10 | 10 |
| NOR-WS12 | 12 |
| NOR-WS13 | 13 |
| NOR-WS16 | 16 |
| NOR-WS19 | 19 |
| NOR-WS25 | 25 |

- Acetal POM material



Equal Tee

| 7777 | To Suit Hose ID mm |
|----------|--------------------|
| NOR-TS3 | 3 |
| NOR-TS4 | 4 |
| NOR-TS5 | 5 |
| NOR-TS6 | 6 |
| NOR-TS7 | 7 |
| NOR-TS8 | 8 |
| NOR-TS10 | 10 |
| NOR-TS12 | 12 |
| NOR-TS13 | 13 |
| NOR-TS14 | 14 |
| NOR-TS15 | 15 |
| NOR-TS16 | 16 |
| NOR-TS19 | 19 |
| NOR-TS25 | 25 |

- Acetal POM material



Equal Y

| 7777 | To Suit Hose ID mm |
|----------|--------------------|
| NOR-YS3 | 3 |
| NOR-YS4 | 4 |
| NOR-YS5 | 5 |
| NOR-YS6 | 6 |
| NOR-YS8 | 8 |
| NOR-YS10 | 10 |
| NOR-YS12 | 12 |
| NOR-YS13 | 13 |
| NOR-YS14 | 14 |
| NOR-YS16 | 16 |
| NOR-YS19 | 19 |

- Acetal POM material



Reducing Tee, on Branch

| 7777 | To Suit Hose ID mm | To Suit Hose ID mm |
|-----------------|--------------------|--------------------|
| NOR-TRS4-6-4 | 4 | 6 |
| NOR-TRS6-4-6 | 4 | 6 |
| NOR-TRS8-4-8 | 4 | 8 |
| NOR-TRS8-6-8 | 6 | 8 |
| NOR-TRS10-6-10 | 6 | 10 |
| NOR-TRS10-8-10 | 8 | 10 |
| NOR-TRS10-13-10 | 10 | 13 |
| NOR-TRS12-6-12 | 6 | 12 |
| NOR-TRS12-8-12 | 8 | 12 |
| NOR-TRS12-10-12 | 10 | 12 |
| NOR-TRS15-6-15 | 6 | 15 |
| NOR-TRS15-8-15 | 8 | 15 |
| NOR-TRS18-10-18 | 10 | 18 |

- Acetal POM material



Reducing Y, on Split

| 7777 | To Suit Hose ID mm | To Suit Hose ID mm |
|--------------|--------------------|--------------------|
| NOR-YRS4-6-4 | 6 | 4 |
| NOR-YRS6-8-6 | 8 | 6 |

- Acetal POM material



Cross

| 7777 | To Suit Hose ID mm |
|----------|--------------------|
| NOR-KS4 | 4 |
| NOR-KS5 | 5 |
| NOR-KS6 | 6 |
| NOR-KS12 | 12 |

- Nylon polyamide 6 material



Straight Taper Thread, BSPT Male

| 7777 | To Suit Hose ID mm | Thread |
|--------------|--------------------|--------|
| NOR-GES4R18 | 4 | 1/8" |
| NOR-GES4R14 | 4 | 1/4" |
| NOR-GES5R14 | 5 | 1/4" |
| NOR-GES6R18 | 6 | 1/8" |
| NOR-GES6R14 | 6 | 1/4" |
| NOR-GES6R38 | 6 | 3/8" |
| NOR-GES8R14 | 8 | 1/4" |
| NOR-GES8R38 | 8 | 3/8" |
| NOR-GES8R12 | 8 | 1/2" |
| NOR-GES10R14 | 10 | 1/4" |
| NOR-GES10R38 | 10 | 3/8" |
| NOR-GES12R38 | 12 | 3/8" |
| NOR-GES12R12 | 12 | 1/2" |
| NOR-GES14R12 | 14 | 1/2" |
| NOR-GES16R12 | 16 | 1/2" |
| NOR-GES16R34 | 16 | 3/4" |
| NOR-GES19R34 | 19 | 3/4" |
| NOR-GES25R1 | 25 | 1" |

- Nylon polyamide 6 material



Elbow Taper Thread, BSPT Male

| 7777 | To Suit Hose ID mm | Thread |
|--------------|--------------------|--------|
| NOR-WES4R18 | 4 | 1/8" |
| NOR-WES4R14 | 4 | 1/4" |
| NOR-WES6R18 | 6 | 1/8" |
| NOR-WES6R14 | 6 | 1/4" |
| NOR-WES6R38 | 6 | 3/8" |
| NOR-WES8R14 | 8 | 1/4" |
| NOR-WES8R12 | 8 | 1/2" |
| NOR-WES10R14 | 10 | 1/4" |
| NOR-WES10R38 | 10 | 3/8" |
| NOR-WES12R38 | 12 | 3/8" |
| NOR-WES12R12 | 12 | 1/2" |
| NOR-WES19R34 | 19 | 3/4" |
| NOR-WES25R1 | 25 | 1" |

- Nylon polyamide 6 material



T Taper Thread, BSPT Male

| 7777 | To Suit Hose ID mm | Thread |
|-------------|--------------------|--------|
| NOR-TE6R18 | 6 | 1/8" |
| NOR-TE8R14 | 8 | 1/4" |
| NOR-TE10R38 | 10 | 3/8" |

- Acetal POM material



Straight Push-on

| 7777 | To Suit Hose ID mm |
|----------|--------------------|
| NOR-GS3 | 3 |
| NOR-GS4 | 4 |
| NOR-GS5 | 5 |
| NOR-GS6 | 6 |
| NOR-GS8 | 8 |
| NOR-GS10 | 10 |
| NOR-GS12 | 12 |
| NOR-GS13 | 13 |
| NOR-GS14 | 14 |
| NOR-GS16 | 16 |
| NOR-GS19 | 19 |
| NOR-GS25 | 25 |

HOSE TAILS



Emergency Hose Connector Set

Ideal for service engineers, or for workshops in case of a hose failure, this handy kit includes genuine PCL Hose Tails, Union Nuts, Coned Tailpieces and Reducing Bushes - all stored in a solid compact pocket case.

Kit contents:

- 4 x HC5194
- 3 x HC5656, HC1206, HC1217
- 2 x HC2479, HC5276, HC5275, HC1226, HC6897, HC1225
- 1 x HC6560, HC6895, HC6896



7000
HCKIT01

OXY-ACETYLENE FITTINGS



9

Hose Tails

Acetylene Hose Tail LH Thread, BSPP

| 0121 | Thread | Hosetail |
|---------|--------|----------|
| GA04/04 | 1/4" | 1/4" |
| GA06/04 | 3/8" | 1/4" |
| GA06/05 | 3/8" | 5/16" |
| GA06/06 | 3/8" | 3/8" |



Oxygen Hose Tail RH Thread, BSPP

| 0121 | Thread | Hosetail |
|---------|--------|----------|
| G004/04 | 1/4" | 1/4" |
| G006/04 | 3/8" | 1/4" |
| G006/05 | 3/8" | 5/16" |
| G006/06 | 3/8" | 3/8" |



Customers who bought from this page
also purchased...

Stainless Steel Hose Clamps
...see page 1513

stainless
steel



Miniature fittings are for use with air connections in confined areas. The hose nipple and hose elbow styles accept nylon, soft nylon and polyurethane tubing.

Working Temperature:
-5°C to +60°C

Maximum Working Pressure:
10 bar

Male Studs



Male Thread, Metric

| 0425 | ID mm | OD mm | Thread |
|----------|-------|-------|--------|
| MIPC4-M3 | 2.5 | 4 | M3 |
| MIPC3-M5 | 2 | 3 | M5 |
| MIPC4-M5 | 2.5 | 4 | M5 |
| MIPC5-M5 | 4 | 6 | M5 |
| MIPC4-M6 | 2.5 | 4 | M6 |
| MIPC6-M6 | 4 | 6 | M6 |

Tech Sheet 60240

Male Elbows



Male Thread, Metric

| 0425 | ID mm | OD mm | Thread |
|----------|-------|-------|--------|
| MIPL4-M3 | 2.5 | 4 | M3 |
| MIPL4-M5 | 2.5 | 4 | M5 |
| MIPL5-M6 | 4 | 6 | M6 |

Tech Sheet 60240

Male Stud Tee Centre Leg



Male x Female, Metric

| 0425 | Male Thread | Female Thread |
|---------|-------------|---------------|
| MIUT-M5 | M5 | M5 |

Tech Sheet 60240

Female Tee



Female Thread, Metric

| 0425 | Thread |
|---------|--------|
| MIFT-M5 | M5 |

Tech Sheet 60240

Barb Male Hose Tails



Male Thread, Metric

| 0425 | To Suit Hose ID mm | Thread |
|-----------|--------------------|--------|
| MIMHT2-M3 | 2 | M3 |
| MIMHT4-M3 | 4 | M3 |
| MIMHT3-M5 | 3 | M5 |
| MIMHT4-M5 | 4 | M5 |
| MIMHT6-M5 | 6 | M5 |

Tech Sheet 60240

Barb Male Elbow Hose Tails



Male Thread, Metric

| 0425 | To Suit Hose ID mm | Thread |
|-----------|--------------------|--------|
| MIEHT3-M3 | 3 | M3 |
| MIEHT4-M3 | 4 | M3 |
| MIEHT3-M5 | 3 | M5 |
| MIEHT4-M5 | 4 | M5 |
| MIEHT6-M5 | 6 | M5 |

Tech Sheet 60240

Barb Male Stud Tees



Centre Leg Male, Metric

| 0425 | To Suit Hose ID mm | Thread |
|-----------|--------------------|--------|
| MIBPB4-M5 | 4 | M5 |

Tech Sheet 60240

Nipple



Male Thread, Metric

| 0425 | Thread |
|---------|--------|
| MIMM-M5 | M5 |

Tech Sheet 60240

Plugs



Male Thread, Metric

| 0425 | Thread |
|---------|--------|
| MIPP-M5 | M5 |

Tech Sheet 60240

Female Adaptor



Female Thread, Metric

| 0425 | Thread |
|---------|--------|
| MIFF-M5 | M5 |

Tech Sheet 60240

Male x Female Reducer



Male x Female, Metric

| 0425 | Male Thread | Female Thread |
|---------|-------------|---------------|
| MIMF-M5 | M5 | M5 |

Tech Sheet 60240

Extended Male x Female Adaptor



Male x Female, Metric

| 0425 | Male Thread | Female Thread |
|-----------|-------------|---------------|
| MIRB18-M5 | 1/8" | M5 |

Tech Sheet 60240

BRASS QUICK-FIT FITTINGS



The working pressures and working temperatures depend on which type of tube is used; for this reason, the values must be determined in accordance with the tubes features. For the "swivel" fittings, the values are:

Working Temperature:
-18°C to +70°C

Maximum Working Pressure:
15 bar (220 psi)

Male Studs



BSPT

| 1030 | ID mm | OD mm | Thread |
|----------------|-------|-------|--------|
| C1-4/2.7-1/8 | 2.7 | 4 | 1/8" |
| C1-5/3-1/8 | 3 | 5 | 1/8" |
| C1-6/4-1/8 | 4 | 6 | 1/8" |
| C1-6/4-1/4 | 4 | 6 | 1/4" |
| C1-6/4-3/8 | 4 | 6 | 3/8" |
| C1-8/6-1/8 | 6 | 8 | 1/8" |
| C1-8/6-1/4 | 6 | 8 | 1/4" |
| C1-8/6-3/8 | 6 | 8 | 3/8" |
| C1-10/8-1/8 | 8 | 10 | 1/8" |
| C1-10/8-1/4 | 8 | 10 | 1/4" |
| C1-10/8-3/8 | 8 | 10 | 3/8" |
| C1-10/8-1/2 | 8 | 10 | 1/2" |
| C1-12/10-3/8 | 10 | 12 | 3/8" |
| C1-12/10-1/2 | 10 | 12 | 1/2" |
| C1-15/12.5-1/2 | 12.5 | 15 | 1/2" |

Tech Sheet 10705



BSPP & Metric

| 1030 | ID mm | OD mm | Thread |
|---------------|-------|-------|--------|
| C1Z-4/2.7-5M | 2.7 | 4 | M5 |
| C1Z-4/2.7-6M | 2.7 | 4 | M6 |
| C1Z-4/2.7-1/8 | 2.7 | 4 | 1/8" |
| C1Z-5/3-5M | 3 | 5 | M5 |
| C1Z-5/3-6M | 3 | 5 | M6 |
| C1Z-5/3-1/8 | 3 | 5 | 1/8" |
| C1Z-6/4-5M | 4 | 6 | M5 |
| C1Z-6/4-6M | 4 | 6 | M6 |
| C1Z-6/4-1/8 | 4 | 6 | 1/8" |
| C1Z-6/4-1/4 | 4 | 6 | 1/4" |
| C1Z-6/4-3/8 | 4 | 6 | 3/8" |
| C1Z-6/4-1/2 | 4 | 6 | 1/2" |
| C1Z-8/6-1/8 | 6 | 8 | 1/8" |
| C1Z-8/6-1/4 | 6 | 8 | 1/4" |
| C1Z-8/6-3/8 | 6 | 8 | 3/8" |
| C1Z-10/8-1/8 | 8 | 10 | 1/8" |
| C1Z-10/8-1/4 | 8 | 10 | 1/4" |
| C1Z-10/8-3/8 | 8 | 10 | 3/8" |
| C1Z-10/8-1/2 | 8 | 10 | 1/2" |
| C1Z-12/10-3/8 | 10 | 12 | 3/8" |
| C1Z-12/10-1/2 | 10 | 12 | 1/2" |

Tech Sheet 10705

Swivel Male Studs



BSPT

| 1030 | ID mm | OD mm | Thread |
|---------------|-------|-------|--------|
| C1X-6/4-1/4 | 4 | 6 | 1/4" |
| C1X-8/6-1/8 | 6 | 8 | 1/8" |
| C1X-8/6-1/4 | 6 | 8 | 1/4" |
| C1X-12/10-3/8 | 10 | 12 | 3/8" |

Tech Sheet 10705



BSPP

| 1030 | ID mm | OD mm | Thread |
|----------------|-------|-------|--------|
| C1Y-6/4-1/8 | 4 | 6 | 1/8" |
| C1Y-6/4-1/4 | 4 | 6 | 1/4" |
| C1Y-8/6-1/8 | 6 | 8 | 1/8" |
| C1Y-8/6-1/4 | 6 | 8 | 1/4" |
| C1Y-10/6.5-1/4 | 6.5 | 10 | 1/4" |
| C1Y-10/8-1/4 | 8 | 10 | 1/4" |
| C1Y-12/10-3/8 | 10 | 12 | 3/8" |

Tech Sheet 10705

Female Studs



BSPP

| 1030 | ID mm | OD mm | Thread |
|--------------|-------|-------|--------|
| C2-6/4-1/8 | 4 | 6 | 1/8" |
| C2-6/4-1/4 | 4 | 6 | 1/4" |
| C2-6/4-3/8 | 4 | 6 | 3/8" |
| C2-8/6-1/8 | 6 | 8 | 1/8" |
| C2-8/6-1/4 | 6 | 8 | 1/4" |
| C2-8/6-3/8 | 6 | 8 | 3/8" |
| C2-8/6-1/2 | 6 | 8 | 1/2" |
| C2-10/8-1/4 | 8 | 10 | 1/4" |
| C2-12/10-3/8 | 10 | 12 | 3/8" |

Tech Sheet 10705

Straight Connectors



Equal Tube x Tube

| 1030 | ID mm | OD mm |
|------------|-------|-------|
| C3-4/2.7 | 2.7 | 4 |
| C3-5/3 | 3 | 5 |
| C3-6/4 | 4 | 6 |
| C3-8/6 | 6 | 8 |
| C3-10/8 | 8 | 10 |
| C3-12/10 | 10 | 12 |
| C3-15/12.5 | 12.5 | 15 |

Tech Sheet 10705

Unequal Tube x Tube

| 1030 | ID A mm | OD A mm | ID B mm | OD B mm |
|-------------|---------|---------|---------|---------|
| C3-6/4-5/3 | 4 | 6 | 3 | 5 |
| C3-8/6-6/4 | 6 | 8 | 4 | 6 |
| C3-10/8-8/6 | 8 | 10 | 6 | 8 |

Tech Sheet 10705

Bulkhead Connectors



Equal Tube x Tube

| 1030 | ID mm | OD mm |
|----------|-------|-------|
| C4-4/2.7 | 2.7 | 4 |
| C4-6/4 | 4 | 6 |
| C4-8/6 | 6 | 8 |
| C4-10/8 | 8 | 10 |
| C4-12/10 | 10 | 12 |

Tech Sheet 10705

Unequal Tube x Tube

| 1030 | ID A mm | OD A mm | ID B mm | OD B mm |
|------------|---------|---------|---------|---------|
| C4-6/4-5/3 | 4 | 6 | 3 | 5 |
| C4-8/6-6/4 | 6 | 8 | 4 | 6 |

Tech Sheet 10705

BRASS QUICK-FIT FITTINGS



The working pressures and working temperatures depend on which type of tube is used; for this reason, the values must be determined in accordance with the tubes features. For the "swivel" fittings, the values are:

Working Temperature:
-18°C to +70°C

Maximum Working Pressure:
15 bar (220 psi)

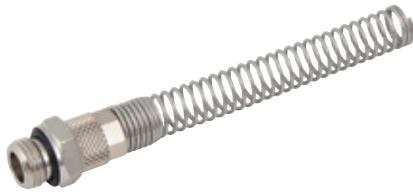
Male Studs, Spring Guard



BSPT

| 1030 | ID mm | OD mm | Thread |
|-------------|-------|-------|--------|
| E1-6/4-1/8 | 4 | 6 | 1/8" |
| E1-6/4-1/4 | 4 | 6 | 1/4" |
| E1-8/6-1/4 | 6 | 8 | 1/4" |
| E1-8/6-3/8 | 6 | 8 | 3/8" |
| E1-10/8-1/8 | 8 | 10 | 1/8" |
| E1-10/8-1/4 | 8 | 10 | 1/4" |
| E1-10/8-3/8 | 8 | 10 | 3/8" |
| E1-10/8-1/2 | 8 | 10 | 1/2" |

Tech Sheet 10705



BSPP

| 1030 | ID mm | OD mm | Thread |
|---------------|-------|-------|--------|
| E1Z-6/4-1/8 | 4 | 6 | 1/8" |
| E1Z-6/4-1/4 | 4 | 6 | 1/4" |
| E1Z-8/6-1/4 | 6 | 8 | 1/4" |
| E1Z-10/8-3/8 | 8 | 10 | 3/8" |
| E1Z-12/10-3/8 | 10 | 12 | 3/8" |

Tech Sheet 10705

Swivel Male Studs, Spring Guard



BSPT

| 1030 | ID mm | OD mm | Thread |
|----------------|-------|-------|--------|
| E1X-6/4-1/8 | 4 | 6 | 1/8" |
| E1X-6/4-1/4 | 4 | 6 | 1/4" |
| E1X-8/6-1/4 | 6 | 8 | 1/4" |
| E1X-10/6.5-1/4 | 6.5 | 10 | 1/4" |
| E1X-10/8-1/4 | 8 | 10 | 1/4" |
| E1X-12/8-3/8 | 8 | 12 | 3/8" |

Tech Sheet 10705



BSPP

| 1030 | ID mm | OD mm | Thread |
|----------------|-------|-------|--------|
| E1Y-6/4-1/8 | 4 | 6 | 1/8" |
| E1Y-6/4-1/4 | 4 | 6 | 1/4" |
| E1Y-8/6-1/4 | 6 | 8 | 1/4" |
| E1Y-10/6.5-1/4 | 6.5 | 10 | 1/4" |

Tech Sheet 10705

Female Studs, Spring Guard



BSPP

| 1030 | ID mm | OD mm | Thread |
|--------------|-------|-------|--------|
| C2X-6/4-1/4 | 4 | 6 | 1/4" |
| C2X-8/6-1/4 | 6 | 8 | 1/4" |
| C2X-8/6-3/8 | 6 | 8 | 3/8" |
| C2X-10/8-1/4 | 8 | 10 | 1/4" |

Tech Sheet 10705

Locking Nuts



Metric

| 1030 | ID mm | OD mm | Thread |
|-----------------|-------|-------|-----------|
| C10-4/2.7-M6 | 2.7 | 4 | M6 x 0.5 |
| C10-5/3-M7 | 3 | 5 | M7 x 0.75 |
| C10-6/4-M8 | 4 | 6 | M8 x 0.75 |
| C10-6/4-M10 | 4 | 6 | M10 x 1 |
| C10-8/6-M12 | 6 | 8 | M12 x 1 |
| C10-10/8-M14 | 8 | 10 | M14 x 1 |
| C10-15/12.5-M20 | 12.5 | 15 | M20 x 1 |

Tech Sheet 10705

Locking Nuts, Spring Guard



Metric

| 1030 | ID mm | OD mm | Thread |
|------------|-------|-------|---------|
| C10X-6/4 | 4 | 6 | M10 x 1 |
| C10X-8/6 | 6 | 8 | M12 x 1 |
| C10X-10/8 | 8 | 10 | M14 x 1 |
| C10X-12/10 | 10 | 12 | M16 x 1 |

Tech Sheet 10705



For Hydraulic QRC's
...see pages 290-294



BRASS QUICK-FIT FITTINGS



The working pressures and working temperatures depend on which type of tube is used; for this reason, the values must be determined in accordance with the tubes features. For the "swivel" fittings, the values are:

Working Temperature:
-18°C to +70°C

Maximum Working Pressure:
15 bar (220 psi)

Male Stud Elbows



BSPT

| 1030 | ID mm | OD mm | Thread |
|----------------|-------|-------|--------|
| C5-4/2.7-1/8 | 2.7 | 4 | 1/8" |
| C5-5/3-1/8 | 3 | 5 | 1/8" |
| C5-6/4-1/8 | 4 | 6 | 1/8" |
| C5-6/4-1/4 | 4 | 6 | 1/4" |
| C5-8/6-1/8 | 6 | 8 | 1/8" |
| C5-8/6-1/4 | 6 | 8 | 1/4" |
| C5-8/6-3/8 | 6 | 8 | 3/8" |
| C5-8/6-1/2 | 6 | 8 | 1/2" |
| C5-10/8-1/8 | 8 | 10 | 1/8" |
| C5-10/8-1/4 | 8 | 10 | 1/4" |
| C5-10/8-3/8 | 8 | 10 | 3/8" |
| C5-10/8-1/2 | 8 | 10 | 1/2" |
| C5-12/10-3/8 | 10 | 12 | 3/8" |
| C5-12/10-1/2 | 10 | 12 | 1/2" |
| C5-15/12.5-1/2 | 12.5 | 15 | 1/2" |

Tech Sheet 10705

Swivel Male Stud Elbows



BSPT

| 1030 | ID mm | OD mm | Thread |
|---------------|-------|-------|--------|
| C5X-4/2.7-1/8 | 2.7 | 4 | 1/8" |
| C5X-6/4-1/8 | 4 | 6 | 1/8" |
| C5X-6/4-1/4 | 4 | 6 | 1/4" |
| C5X-8/6-1/8 | 6 | 8 | 1/8" |
| C5X-8/6-1/4 | 6 | 8 | 1/4" |
| C5X-10/8-1/4 | 8 | 10 | 1/4" |

Tech Sheet 10705



BSPP

| 1030 | ID mm | OD mm | Thread |
|---------------|-------|-------|--------|
| C5Y-4/2.7-1/8 | 2.7 | 4 | 1/8" |
| C5Y-6/4-M5 | 4 | 6 | M5 |
| C5Y-6/4-1/8 | 4 | 6 | 1/8" |
| C5Y-6/4-1/4 | 4 | 6 | 1/4" |
| C5Y-8/6-1/8 | 6 | 8 | 1/8" |
| C5Y-8/6-1/4 | 6 | 8 | 1/4" |
| C5Y-10/8-1/4 | 8 | 10 | 1/4" |

Tech Sheet 10705

Female Stud Elbows



BSPP

| 1030 | ID mm | OD mm | Thread |
|--------------|-------|-------|--------|
| C5F-5/3-1/8 | 3 | 5 | 1/8" |
| C5F-6/4-1/8 | 4 | 6 | 1/8" |
| C5F-6/4-1/4 | 4 | 6 | 1/4" |
| C5F-8/6-1/8 | 6 | 8 | 1/8" |
| C5F-8/6-1/4 | 6 | 8 | 1/4" |
| C5F-10/8-1/4 | 8 | 10 | 1/4" |
| C5F-10/8-3/8 | 8 | 10 | 3/8" |

Tech Sheet 10705

Elbow Connectors



Equal Tube x Tube

| 1030 | ID mm | OD mm |
|----------|-------|-------|
| C6-4/2.7 | 2.7 | 4 |
| C6-5/3 | 3 | 5 |
| C6-6/4 | 4 | 6 |
| C6-8/6 | 6 | 8 |
| C6-10/8 | 8 | 10 |
| C6-12/10 | 10 | 12 |

Tech Sheet 10705

Tee Connectors



Equal Tube x Tube

| 1030 | ID mm | OD mm |
|----------|-------|-------|
| C9-4/2.7 | 2.7 | 4 |
| C9-5/3 | 3 | 5 |
| C9-6/4 | 4 | 6 |
| C9-8/6 | 6 | 8 |
| C9-10/8 | 8 | 10 |
| C9-12/10 | 10 | 12 |

Tech Sheet 10705

Unequal Tube x Tube

| 1030 | ID A mm | OD A mm | ID B mm | OD B mm |
|-------------|---------|---------|---------|---------|
| C9-10/8-8/6 | 8 | 10 | 6 | 8 |

Tech Sheet 10705

Male Stud Tees



BSPT, Branch

| 1030 | ID mm | OD mm | Thread |
|----------------|-------|-------|--------|
| C7-4/2.7-1/8 | 2.7 | 4 | 1/8" |
| C7-6/4-1/8 | 4 | 6 | 1/8" |
| C7-6/4-1/4 | 4 | 6 | 1/4" |
| C7-8/6-1/8 | 6 | 8 | 1/8" |
| C7-8/6-1/4 | 6 | 8 | 1/4" |
| C7-10/8-1/4 | 8 | 10 | 1/4" |
| C7-12/10-3/8 | 10 | 12 | 3/8" |
| C7-15/12.5-1/2 | 12.5 | 15 | 1/2" |

Tech Sheet 10705

BSPT, Run

| 1030 | ID mm | OD mm | Thread |
|-------------|-------|-------|--------|
| C8-6/4-1/8 | 4 | 6 | 1/8" |
| C8-6/4-1/4 | 4 | 6 | 1/4" |
| C8-8/6-1/8 | 6 | 8 | 1/8" |
| C8-8/6-1/4 | 6 | 8 | 1/4" |
| C8-10/8-1/4 | 8 | 10 | 1/4" |

Tech Sheet 10705

Male Stud Swivel Tees



BSPT, Branch

| 1030 | ID mm | OD mm | Thread |
|--------------|-------|-------|--------|
| C7X-6/4-1/8 | 4 | 6 | 1/8" |
| C7X-6/4-1/4 | 4 | 6 | 1/4" |
| C7X-8/6-1/8 | 6 | 8 | 1/8" |
| C7X-8/6-1/4 | 6 | 8 | 1/4" |
| C7X-10/8-1/4 | 8 | 10 | 1/4" |

Tech Sheet 10705

BSPP, Branch

| 1030 | ID mm | OD mm | Thread |
|-------------|-------|-------|--------|
| C7Y-6/4-1/8 | 4 | 6 | 1/8" |
| C7Y-8/6-1/8 | 6 | 8 | 1/8" |
| C7Y-8/6-1/4 | 6 | 8 | 1/4" |

Tech Sheet 10705

Cross Connectors



Tube x Tube

| 1030 | ID mm | OD mm |
|-------------|-------|-------|
| C11-6/4 | 4 | 6 |
| C11-8/6 | 6 | 8 |
| C11-12/10 | 10 | 12 |
| C11-15/12.5 | 12.5 | 15 |

Tech Sheet 10705

Female Single Banjo Body



Female Thread, BSPP

| 1030 | Thread |
|----------|--------|
| 6090-1/8 | 1/8" |
| 6090-1/4 | 1/4" |

Tech Sheet 10705

Single Banjo Body - Quick-Fit



BSPP & Metric

| 1030 | ID mm | OD mm | Thread |
|--------------|-------|-------|--------|
| D5-4/2.7-5M | 2.7 | 4 | M5 |
| D5-5/3-5M | 3 | 5 | M5 |
| D5-6/4-5M | 4 | 6 | M5 |
| D5-6/4-1/8 | 4 | 6 | 1/8" |
| D5-6/4-1/4 | 4 | 6 | 1/4" |
| D5-8/6-1/8 | 6 | 8 | 1/8" |
| D5-8/6-1/4 | 6 | 8 | 1/4" |
| D5-8/6-3/8 | 6 | 8 | 3/8" |
| D5-10/8-1/4 | 8 | 10 | 1/4" |
| D5-10/8-3/8 | 8 | 10 | 3/8" |
| D5-10/8-1/2 | 8 | 10 | 1/2" |
| D5-12/10-3/8 | 10 | 12 | 3/8" |

Tech Sheet 10705

Double Banjo Body - Quick-Fit



BSPP & Metric

| 1030 | ID mm | OD mm | Thread |
|--------------|-------|-------|--------|
| D6-4/2.7-1/8 | 2.7 | 4 | 1/8" |
| D6-8/6-1/8 | 6 | 8 | 1/8" |
| D6-8/6-1/4 | 6 | 8 | 1/4" |
| D6-8/6-1/2 | 6 | 8 | 1/2" |
| D6-10/8-1/8 | 8 | 10 | 1/8" |
| D6-10/8-1/2 | 8 | 10 | 1/2" |

Tech Sheet 10705

Washers



Nylon, Notched

| 1030 | Thread |
|----------|--------|
| D11X-5M | M5 |
| D11X-1/8 | 1/8" |
| D11X-1/4 | 1/4" |
| D11X-3/8 | 3/8" |
| D11X-1/2 | 1/2" |
| D11X-3/4 | 3/4" |

Tech Sheet 10705



Aluminium

| 1030 | Thread |
|----------|--------|
| D11-5M | M5 |
| D11-1/8 | 1/8" |
| D11-1/4 | 1/4" |
| D11-3/8 | 3/8" |
| D11-1/2 | 1/2" |
| D11-3/4 | 3/4" |
| D11-1 | 1" |
| D11-11/2 | 1.1/2" |
| D11-2 | 2" |

Tech Sheet 10705

Short Banjo Bolts



Single Stem, BSPP & Metric

| 1030 | Thread |
|------------|-----------|
| D7-5M-L | M5 |
| D7-6M | M6 |
| D7-1/8 | 1/8" |
| D7-1/4 | 1/4" |
| D7-3/8 | 3/8" |
| D7-1/2 | 1/2" |
| D7-M12X1.5 | M12 x 1.5 |

Tech Sheet 10705



Double Stem, BSPP

| 1030 | Thread |
|--------|--------|
| D8-1/8 | 1/8" |
| D8-1/4 | 1/4" |
| D8-3/8 | 3/8" |
| D8-1/2 | 1/2" |

Tech Sheet 10705



Triple Stem, BSPP

| 1030 | Thread |
|---------|--------|
| D13-1/4 | 1/4" |
| D13-1/2 | 1/2" |

Tech Sheet 10705



Washer 10mm

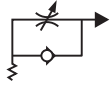
| 1030 | Thread |
|----------|--------|
| D11Z-1/4 | 1/4" |

Tech Sheet 10705

FLOW REGULATORS



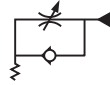
Screwdriver Quick-Fit Flow Regulators



For Cylinders, Metric & BSPP

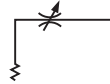
| 1000 | ID mm | OD mm | Thread |
|----------------|-------|-------|--------|
| 8950-4/2.7-1/8 | 2.7 | 4 | 1/8" |
| 8950-6/4-M5 | 4 | 6 | M5 |
| 8950-6/4-1/4 | 4 | 6 | 1/4" |
| 8950-8/6-1/8 | 6 | 8 | 1/8" |
| 8950-8/6-1/4 | 6 | 8 | 1/4" |

For Valves, BSPP



| 1000 | ID mm | OD mm | Thread |
|--------------|-------|-------|--------|
| 8960-6/4-1/8 | 6/4 | 6 | 1/8" |
| 8960-8/6-1/8 | 8/6 | 8 | 1/8" |

For Bi-directional, BSPP



| 1000 | ID mm | OD mm | Thread |
|--------------|-------|-------|--------|
| 8970-6/4-M5 | 4 | 6 | M5 |
| 8970-6/4-1/4 | 4 | 6 | 1/4" |
| 8970-8/6-1/4 | 6 | 8 | 1/4" |

Manual Quick-Fit Female BSPP



For Cylinders, BSPP

| 1000 | Thread |
|----------|--------|
| 8957-1/8 | 1/8" |
| 8957-1/4 | 1/4" |

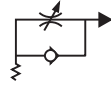
For Valves, BSPP

| 1000 | Thread |
|----------|--------|
| 8967-1/8 | 1/8" |
| 8967-1/4 | 1/4" |

For Bi-directional, BSPP

| 1000 | Thread |
|----------|--------|
| 8977-1/8 | 1/8" |
| 8977-1/4 | 1/4" |

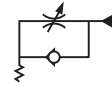
Manual Quick-Fit Flow Regulators



For Cylinders, BSPP

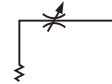
| 1000 | ID mm | OD mm | Thread |
|---------------|-------|-------|--------|
| 8955-6/4-1/8 | 4 | 6 | 1/8" |
| 8955-6/4-1/4 | 4 | 6 | 1/4" |
| 8955-8/6-1/8 | 6 | 8 | 1/8" |
| 8955-10/8-1/4 | 8 | 10 | 1/4" |

For Valves, Metric & BSPP



| 1000 | ID mm | OD mm | Thread |
|---------------|-------|-------|--------|
| 8965-4/2.7-M5 | 2.7 | 4 | M5 |
| 8965-6/4-M5 | 4 | 6 | M5 |
| 8965-8/6-1/8 | 6 | 8 | 1/8" |
| 8965-10/8-1/4 | 8 | 10 | 1/4" |

For Bi-directional, BSPP



| 1000 | ID mm | OD mm | Thread |
|----------------|-------|-------|--------|
| 8975-4/2.7-1/8 | 2.7 | 4 | 1/8" |
| 8975-6/4-1/8 | 4 | 6 | 1/8" |

Screwdriver Flow Regulator Valves



For Cylinders, Male Thread, BSPP

| 1000 | Thread |
|----------|--------|
| 8900-1/4 | 1/4" |

For Valves, Male Thread, Metric

| 1000 | Thread |
|---------|--------|
| 8910-M5 | M5 |

For Bi-directional Male Thread, BSPP

| 1000 | Thread |
|----------|--------|
| 8920-1/8 | 1/8" |
| 8920-1/4 | 1/4" |

Screwdriver Quick-Fit Female BSPP



For Cylinders, BSPP

| 1000 | Thread |
|----------|--------|
| 8952-1/8 | 1/8" |
| 8952-1/4 | 1/4" |

For Valves, BSPP

| 1000 | Thread |
|----------|--------|
| 8962-1/8 | 1/8" |

For Bi-directional, BSPP

| 1000 | Thread |
|----------|--------|
| 8972-1/8 | 1/8" |
| 8972-1/4 | 1/4" |

Manual Flow Regulator Valves



For Valves, Male Thread, Metric

| 1000 | Thread |
|---------|--------|
| 8915-M5 | M5 |

For Bi-directional Male Thread, Metric & BSPP

| 1000 | Thread |
|----------|--------|
| 8925-M5 | M5 |
| 8925-1/4 | 1/4" |

Driven by Customers Designed by Metal Work



Why cut costs on components, putting quality and performance in jeopardy?
Make your systems ultra efficient with Metal Work Pneumatics.



SYNTESI MONITORED DUMP VALVE

FINGER-TIGHT FITTINGS

Body:
OT 58 brass

Temperature Range:
-45°C to +80°C

Maximum Pressure:
18 bar

Male Stud



BSP Tapered x Tube

| 9152 | Thread BSPT | Tube mm | |
|---------|-------------|---------|----|
| | | OD | ID |
| 2301001 | R1/8" | 6 | 4 |
| 2301002 | R1/4" | 6 | 4 |
| 2301003 | R1/8" | 8 | 6 |
| 2301004 | R1/4" | 8 | 6 |
| 2301005 | R3/8" | 8 | 6 |
| 2301006 | R1/4" | 10 | 8 |
| 2301007 | R3/8" | 10 | 8 |
| 2301008 | R1/2" | 10 | 8 |
| 2301009 | R3/8" | 12 | 10 |
| 2301010 | R1/2" | 12 | 10 |

Male Stud



BSP Tapered x Tube

| 9152 | Thread BSPP | Tube mm | |
|---------|-------------|---------|----|
| | | OD | ID |
| 2351001 | M5 | 4 | 2 |
| 2356001 | M5 | 5 | 3 |
| 2351002 | M5 | 6 | 4 |
| 2351003 | G1/8" | 6 | 4 |
| 2351004 | G1/4" | 6 | 4 |
| 2351005 | G1/8" | 8 | 6 |
| 2351006 | G1/4" | 8 | 6 |
| 2351007 | G3/8" | 8 | 6 |
| 2351008 | G1/4" | 10 | 8 |
| 2351009 | G3/8" | 10 | 8 |
| 2351010 | G1/2" | 10 | 8 |
| 2351011 | G3/8" | 12 | 10 |
| 2351012 | G1/2" | 12 | 10 |

Female Stud



BSP Parallel x Tube

| 9152 | Thread BSPP | Tube mm | |
|---------|-------------|---------|----|
| | | OD | ID |
| 2302002 | G1/4" | 6 | 4 |
| 2302004 | G1/4" | 8 | 6 |
| 2302005 | G3/8" | 8 | 6 |
| 2302006 | G1/4" | 10 | 8 |
| 2302007 | G3/8" | 10 | 8 |
| 2302008 | G1/2" | 10 | 8 |

Equal Elbow



Tube x Tube

| 9152 | Tube mm | |
|---------|---------|----|
| | OD | ID |
| 2306001 | 6 | 4 |
| 2306003 | 10 | 8 |
| 2306004 | 12 | 10 |

Male Stud Elbow



BSP Tapered x Tube

| 9152 | Thread BSPT | Tube mm | |
|---------|-------------|---------|----|
| | | OD | ID |
| 2305001 | G1/8" | 6 | 4 |
| 2305002 | G1/4" | 6 | 4 |
| 2305003 | G1/8" | 8 | 6 |
| 2305004 | G1/4" | 8 | 6 |
| 2305005 | G3/8" | 8 | 6 |
| 2305006 | G1/4" | 10 | 8 |
| 2305007 | G3/8" | 10 | 8 |
| 2305008 | G1/2" | 10 | 8 |
| 2305009 | G3/8" | 12 | 10 |
| 2305010 | G1/2" | 12 | 10 |

Straight Connector



Tube x Tube

| 9152 | Tube mm | |
|---------|---------|----|
| | OD | ID |
| 2303001 | 6 | 4 |
| 2303002 | 8 | 6 |
| 2303003 | 10 | 8 |
| 2303004 | 12 | 10 |

Equal Tee



Tube x Tube

| 9152 | Tube mm | |
|---------|---------|----|
| | OD | ID |
| 2309001 | 6 | 4 |
| 2309002 | 8 | 6 |
| 2309004 | 12 | 10 |

Female Stud Elbow



BSP Parallel x Tube

| 9152 | Thread BSPP | Tube mm | |
|---------|-------------|---------|----|
| | | OD | ID |
| 2352002 | G1/4" | 8 | 6 |

Bulkhead Connector



Tube x Tube

| 9152 | Tube mm | |
|---------|---------|----|
| | OD | ID |
| 2304001 | 6 | 4 |
| 2304002 | 8 | 6 |

Male Stud Branch Tee



BSP Parallel x Tube

| 9152 | Thread BSPP | Tube mm | |
|---------|-------------|---------|----|
| | | OD | ID |
| 2307001 | G1/8" | 6 | 4 |
| 2307002 | G1/4" | 6 | 4 |
| 2307003 | G1/8" | 8 | 6 |
| 2307004 | G1/4" | 8 | 6 |
| 2307005 | G3/8" | 8 | 6 |
| 2307008 | G1/2" | 10 | 8 |
| 2307009 | G3/8" | 12 | 10 |
| 2307010 | G1/2" | 12 | 10 |

Male Stud Run Tee



BSP Parallel x Tube

| 9152 | Thread BSPP | Tube mm | |
|---------|-------------|---------|----|
| | | OD | ID |
| 2308012 | G1/8" | 5 | 3 |
| 2308001 | G1/8" | 6 | 4 |
| 2308002 | G1/4" | 6 | 4 |
| 2308004 | G1/4" | 8 | 6 |
| 2308005 | G3/8" | 8 | 6 |
| 2308006 | G1/4" | 10 | 8 |
| 2308007 | G3/8" | 10 | 8 |
| 2308008 | G1/2" | 10 | 8 |
| 2308009 | G3/8" | 12 | 10 |
| 2308010 | G1/2" | 12 | 10 |

Swivel Tube Fitting with Spring Guard



BSP Parallel x Tube

| 9152 | Thread BSPP | Tube mm | |
|---------|-------------|---------|----|
| | | OD | ID |
| 2501010 | G1/4" | 6 | 4 |
| 2501011 | G1/4" | 8 | 6 |
| 2501012 | G3/8" | 10 | 8 |

Equal Cross



Tube x Tube

| 9152 | Tube mm | |
|---------|---------|----|
| | OD | ID |
| 2311001 | 6 | 4 |
| 2311002 | 8 | 6 |
| 2311003 | 10 | 8 |

POLYPROPYLENE QUICK-FIT FITTINGS



3 Way Valve

EPDM O-rings

Working Temperature:
-5°C to +60°C

Maximum Working Pressure:
10 bar



1/4" BSPT Inlet

| 0497 | Outlet |
|----------|-----------|
| 3WAY-18 | 1/8" BSPT |
| 3WAY-14 | 1/4" BSPT |
| 3WAY-8MM | 8mm Barb |

Tech Sheet 10488

Female Connector



BSPT

| 0497 | ID mm | OD mm | Thread |
|----------|-------|-------|--------|
| PP2-6-18 | 4 | 6 | 1/8" |
| PP2-6-14 | 4 | 6 | 1/4" |
| PP2-8-14 | 6 | 8 | 1/4" |

Male Run Tee



BSPT

| 0497 | ID mm | OD mm | Thread |
|-----------|-------|-------|--------|
| PP8-6-14 | 4 | 6 | 1/4" |
| PP8-12-14 | 10 | 12 | 1/4" |
| PP8-12-12 | 10 | 12 | 1/2" |

Male Branch Tee



BSPT

| 0497 | ID mm | OD mm | Thread |
|-----------|-------|-------|--------|
| PP7-6-14 | 4 | 6 | 1/4" |
| PP7-8-14 | 6 | 8 | 1/4" |
| PP7-12-14 | 10 | 12 | 1/4" |
| PP7-12-38 | 10 | 12 | 3/8" |
| PP7-12-12 | 10 | 12 | 1/2" |

Equal Tee



Tube x Tube

| 0497 | ID mm | OD mm |
|--------|-------|-------|
| PP9-6 | 4 | 6 |
| PP9-8 | 6 | 8 |
| PP9-12 | 10 | 12 |

Reducing Connector



Tube x Tube

| 0497 | ID A mm | OD A mm | ID B mm | OD B mm |
|---------|---------|---------|---------|---------|
| PP4-8-6 | 6 | 8 | 4 | 6 |

Equal Connector



Tube x Tube

| 0497 | ID mm | OD mm |
|--------|-------|-------|
| PP3-6 | 4 | 6 |
| PP3-8 | 6 | 8 |
| PP3-12 | 10 | 12 |

Equal Elbow



Tube x Tube

| 0497 | ID mm | OD mm |
|--------|-------|-------|
| PP5-6 | 4 | 6 |
| PP5-8 | 6 | 8 |
| PP5-12 | 10 | 12 |

Male Elbow



BSPT

| 0497 | ID mm | OD mm | Thread |
|-----------|-------|-------|--------|
| PP6-6-18 | 4 | 6 | 1/8" |
| PP6-6-14 | 4 | 6 | 1/4" |
| PP6-8-18 | 6 | 8 | 1/8" |
| PP6-8-14 | 6 | 8 | 1/4" |
| PP6-8-38 | 6 | 8 | 3/8" |
| PP6-12-14 | 10 | 12 | 1/4" |
| PP6-12-38 | 10 | 12 | 3/8" |
| PP6-12-12 | 10 | 12 | 1/2" |

1 Body Type Banjo Bolt



Type PP13, BSPP

| 0497 | Thread |
|---------|--------|
| PP13-14 | 1/4" |

Double Banjo Body



BSPB

| 0497 | ID mm | OD mm |
|-------------|-------|-------|
| PP10-8-8-18 | 6 | 8 |

Male Connector



BSPT

| 0497 | ID mm | OD mm | Thread |
|-----------|-------|-------|--------|
| PP1-6-18 | 4 | 6 | 1/8" |
| PP1-6-14 | 4 | 6 | 1/4" |
| PP1-8-18 | 6 | 8 | 1/8" |
| PP1-8-14 | 6 | 8 | 1/4" |
| PP1-12-14 | 10 | 12 | 1/4" |
| PP1-12-38 | 10 | 12 | 3/8" |
| PP1-12-12 | 10 | 12 | 1/2" |

PVDF QUICK-FIT FITTINGS



Fittings made of PVDF function better than nylon when exposed to a wide range of temperatures and high corrosive chemicals.

This enables them to be used in industries such as chemical processing due to their excellent chemical resistance properties.

Working Temperature:
-20°C to +120°C

Maximum Working Pressure:
14 bar at 20°C

Male Connector



BSPT

| 0472 | ID mm | OD mm | Thread |
|------------|-------|-------|--------|
| PPV1-6-18 | 4 | 6 | 1/8" |
| PPV1-8-14 | 6 | 8 | 1/4" |
| PPV1-12-38 | 10 | 12 | 3/8" |

Tech Sheet 60237

Equal Connector



Tube x Tube

| 0472 | ID mm | OD mm |
|---------|-------|-------|
| PPV3-6 | 4 | 6 |
| PPV3-8 | 6 | 8 |
| PPV3-12 | 10 | 12 |

Tech Sheet 60237

Equal Tee



Tube x Tube

| 0472 | ID mm | OD mm |
|---------|-------|-------|
| PPV9-6 | 4 | 6 |
| PPV9-8 | 6 | 8 |
| PPV9-12 | 10 | 12 |

Tech Sheet 60237

Female Connector



BSPT

| 0472 | ID mm | OD mm | Thread |
|-----------|-------|-------|--------|
| PPV2-6-18 | 4 | 6 | 1/8" |
| PPV2-6-14 | 4 | 6 | 1/4" |
| PPV2-8-14 | 6 | 8 | 1/4" |

Tech Sheet 60237

Equal Elbow



Tube x Tube

| 0472 | ID mm | OD mm |
|---------|-------|-------|
| PPV5-6 | 4 | 6 |
| PPV5-8 | 6 | 8 |
| PPV5-12 | 10 | 12 |

Tech Sheet 60237

Male Elbow



BSPT

| 0472 | ID mm | OD mm | Thread |
|------------|-------|-------|--------|
| PPV6-6-18 | 4 | 6 | 1/8" |
| PPV6-8-14 | 6 | 8 | 1/4" |
| PPV6-12-38 | 10 | 12 | 3/8" |

Tech Sheet 60237



For Nylon Hose Tails
...see pages 1150-1151



Male Adaptors - Equal



Male Thread, BSPT

| 0447 | Thread |
|---------|--------|
| UP1-18 | 1/8" |
| UP1-14 | 1/4" |
| UP1-38 | 3/8" |
| UP1-12 | 1/2" |
| UP1-34 | 3/4" |
| UP1-1 | 1" |
| UP1-114 | 1.1/4" |
| UP1-112 | 1.1/2" |
| UP1-2 | 2" |

Male Thread, NPT x BSPT

| 0447 | Thread |
|----------|--------|
| 660-1010 | 1/8" |
| 660-1313 | 1/4" |
| 660-1717 | 3/8" |
| 660-2121 | 1/2" |
| 660-2626 | 3/4" |
| 660-3333 | 1" |

Male Thread, Metric

| 0447 | Thread |
|-----------|-----------|
| 2018-MM05 | M5 x 0.8 |
| 2018-MM08 | M8 x 1.0 |
| 2018-MM10 | M10 x 1.0 |
| 2018-MM12 | M12 x 1.5 |
| 2018-MM14 | M14 x 1.5 |
| 2018-MM16 | M16 x 1.5 |
| 2018-MM18 | M18 x 1.5 |
| 2018-MM20 | M20 x 1.5 |
| 2018-MM22 | M22 x 1.5 |



Flat Faced, Male Thread, BSPP

| 0447 | Thread |
|-----------|--------|
| PM18-18FF | 1/8" |
| PM14-14FF | 1/4" |
| PM38-38FF | 3/8" |
| PM12-12FF | 1/2" |
| PM34-34FF | 3/4" |
| PM1-1FF | 1" |

Male Adaptors - Unequal



Male Thread, BSPT x BSPT

| 0447 | Thread | Thread |
|-----------|--------|--------|
| UP2-18-14 | 1/8" | 1/4" |
| UP2-18-38 | 1/8" | 3/8" |
| UP2-18-12 | 1/8" | 1/2" |
| UP2-14-38 | 1/4" | 3/8" |
| UP2-14-12 | 1/4" | 1/2" |
| UP2-38-12 | 3/8" | 1/2" |
| UP2-14-34 | 1/4" | 3/4" |
| UP2-38-34 | 3/8" | 3/4" |
| UP2-12-34 | 1/2" | 3/4" |
| UP2-12-1 | 1/2" | 1" |
| UP2-34-1 | 3/4" | 1" |



Male Thread, BSPP x BSPT

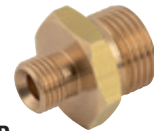
| 0447 | BSPP Thread | BSPT Thread |
|------------|-------------|-------------|
| UP2-14-18P | 1/4" | 1/8" |
| UP2-18-14P | 1/8" | 1/4" |
| UP2-38-14P | 3/8" | 1/4" |
| UP2-12-14P | 1/2" | 1/4" |
| UP2-14-38P | 1/4" | 3/8" |
| UP2-12-38P | 1/2" | 3/8" |
| UP2-14-12P | 1/4" | 1/2" |
| UP2-38-12P | 3/8" | 1/2" |
| UP2-34-12P | 3/4" | 1/2" |
| UP2-12-34P | 1/2" | 3/4" |
| UP2-34-1P | 3/4" | 1" |



Male Thread, NPT x NPT

| 0447 | Thread | Thread |
|-----------|--------|--------|
| 2018-2473 | 1/8" | 1/8" |
| 2018-2481 | 1/8" | 1/4" |
| 2018-2499 | 1/4" | 1/4" |
| 2018-2515 | 3/8" | 1/4" |
| 2018-2523 | 3/8" | 3/8" |
| 2018-2531 | 1/4" | 1/2" |
| 2018-2549 | 1/2" | 3/8" |
| 2018-2556 | 1/2" | 1/2" |
| 2018-2564 | 1/4" | 3/4" |
| 2018-2572 | 3/8" | 3/4" |
| 2018-2580 | 1/2" | 3/4" |
| 2018-2598 | 3/4" | 3/4" |
| 2018-2606 | 1/2" | 1" |
| 2018-2614 | 3/4" | 1" |
| 2018-2622 | 1" | 1" |

60° Male Adaptors



Coned, Male Thread, BSPP

| 0447 | Thread | Thread |
|-----------|--------|--------|
| PM18-18 | 1/8" | 1/8" |
| PM14-18 | 1/4" | 1/8" |
| PM14-14 | 1/4" | 1/4" |
| PM38-18 | 3/8" | 1/8" |
| PM38-14 | 3/8" | 1/4" |
| PM12-38 | 1/2" | 3/8" |
| PM12-12 | 1/2" | 1/2" |
| PM34-38 | 3/4" | 3/8" |
| PM34-12 | 3/4" | 1/2" |
| PM34-34 | 3/4" | 3/4" |
| PM1-38 | 1" | 3/8" |
| PM1-12 | 1" | 1/2" |
| PM1-34 | 1" | 3/4" |
| PM114-1 | 1.1/4" | 1" |
| PM112-114 | 1.1/2" | 1.1/4" |



Male Thread, BSPP x BSPT

| 0447 | Thread |
|-------|--------|
| PT18 | 1/8" |
| PT14 | 1/4" |
| PT38 | 3/8" |
| PT12 | 1/2" |
| PT1 | 1" |
| PT114 | 1.1/4" |
| PT112 | 1.1/2" |
| PT2 | 2" |

BRASS ADAPTORS



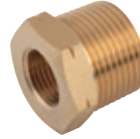
Reducing Bush

Male Thread,
BSPT x Female Thread, BSPP

| 0447 | Female Thread | Male Thread |
|-------------|---------------|-------------|
| UP3-18-14 | 1/8" | 1/4" |
| UP3-18-38 | 1/8" | 3/8" |
| UP3-18-12 | 1/8" | 1/2" |
| UP3-14-38 | 1/4" | 3/8" |
| UP3-14-12 | 1/4" | 1/2" |
| UP3-38-12 | 3/8" | 1/2" |
| UP3-14-34 | 3/4" | 1/4" |
| UP3-38-34 | 3/4" | 3/8" |
| UP3-12-34 | 3/4" | 1/2" |
| UP3-14-1 | 1/4" | 1" |
| UP3-38-1 | 1" | 3/8" |
| UP3-12-1 | 1" | 1/2" |
| UP3-34-1 | 1" | 3/4" |
| UP3-34-114 | 1.1/4" | 3/4" |
| UP3-1-114 | 1.1/4" | 1" |
| UP3-114-112 | 1.1/2" | 1.1/4" |
| UP3-114-2 | 2" | 1.1/4" |
| UP3-112-2 | 2" | 1.1/2" |

Male Thread,
BSPT x Female Thread, Metric

| 0447 | Male Thread | Female Thread |
|-----------|-------------|---------------|
| UP3-M5-18 | 1/8" | M5 x 0.8 |



Male Thread, NPT x Female Thread, NPS

| 0447 | Male Thread | Female Thread |
|------------|-------------|---------------|
| UP3-18-14N | 1/4" | 1/8" |
| UP3-18-38N | 3/8" | 1/8" |
| UP3-14-38N | 3/8" | 1/4" |
| UP3-18-12N | 1/2" | 1/8" |
| UP3-14-12N | 1/2" | 1/4" |
| UP3-38-12N | 1/2" | 3/8" |
| UP3-38-34N | 3/4" | 3/8" |
| UP3-12-34N | 3/4" | 1/2" |
| UP3-14-34N | 3/4" | 1/4" |
| UP3-14-1N | 1" | 1/4" |
| UP3-12-1N | 1" | 1/2" |
| UP3-34-1N | 1" | 3/4" |

Bushes

Male Thread, Metric x
Female Thread, Metric & BSPP

| 0447 | Male Thread | Female Thread |
|-------------|-------------|---------------|
| UP3-14-M16 | M16 x 1.5 | 1/4" |
| UP3-14-M18 | M18 x 1.5 | 1/4" |
| UP3-14-M20 | M20 x 1.5 | 1/4" |
| UP3-M16-M20 | M20 x 1.5 | M16 x 1.5 |
| UP3-M16-M22 | M22 x 1.5 | M16 x 1.5 |
| UP3-14-M22 | M22 x 1.5 | 1/4" |
| UP3-38-M22 | M22 x 1.5 | 3/8" |

Female Equal Socket



Female Thread, BSPP

| 0447 | Thread |
|---------|--------|
| UP4-18P | 1/8" |
| UP4-12P | 1/2" |

Female Thread, Metric

| 0447 | Thread |
|----------|-----------|
| UP4-MM05 | M5 x 0.8 |
| UP4-MM06 | M6 x 1.0 |
| UP4-MM08 | M8 x 1.0 |
| UP4-MM10 | M10 x 1.0 |
| UP4-MM12 | M12 x 1.5 |
| UP4-MM14 | M14 x 1.5 |
| UP4-MM16 | M16 x 1.5 |
| UP4-MM18 | M18 x 1.5 |
| UP4-MM20 | M20 x 1.5 |
| UP4-MM22 | M22 x 1.5 |
| UP4-MM26 | M26 x 1.5 |
| UP4-MM30 | M30 x 1.5 |

Female Thread, NPS

| 0447 | Thread |
|---------|--------|
| UP4-18N | 1/8" |
| UP4-14N | 1/4" |
| UP4-38N | 3/8" |
| UP4-12N | 1/2" |
| UP4-1N | 1" |

Female Unequal Socket



Female Thread, BSPP

| 0447 | Thread | Thread |
|------------|--------|--------|
| UP4-18-14P | 1/8" | 1/4" |
| UP4-38-18P | 3/8" | 1/8" |
| UP4-38-14P | 3/8" | 1/4" |
| UP4-12-14P | 1/2" | 1/4" |
| UP4-12-38P | 1/2" | 3/8" |
| UP4-34-14P | 3/4" | 1/4" |
| UP4-34-38P | 3/4" | 3/8" |
| UP4-12-34P | 1/2" | 3/4" |
| UP4-1-34P | 1" | 3/4" |
| UP4-1-38P | 1" | 3/8" |
| UP4-1-12P | 1" | 1/2" |

Male x Female Unequal Socket Connectors



Male Thread, BSPT x Female Thread, BSPP

| 0447 | Male Thread | Female Thread |
|-------------|-------------|---------------|
| UP13-18-14P | 1/8" | 1/4" |
| UP13-18-38P | 1/8" | 3/8" |
| UP13-14-38P | 1/4" | 3/8" |
| UP13-14-12P | 1/4" | 1/2" |
| UP13-38-12P | 3/8" | 1/2" |
| UP13-12-34P | 1/2" | 3/4" |
| UP13-34-1P | 3/4" | 1" |

Bulkhead Connector



Male Thread, BSPP

| 0447 | Thread |
|-------|--------|
| MB18 | 1/8" |
| MB14 | 1/4" |
| MB38 | 3/8" |
| MB12 | 1/2" |
| MB34 | 3/4" |
| MB1 | 1" |
| MB114 | 1.1/4" |
| MB112 | 1.1/2" |
| MB2 | 2" |



Male Thread, Metric x Female Thread, BSPP

| 0447 | Thread | Thread |
|-------|-----------|--------|
| MBM18 | M16 x 1.5 | 1/8" |
| MBM14 | M20 x 1.5 | 1/4" |
| MBM38 | M26 x 1.5 | 3/8" |
| MBM12 | M28 x 1.5 | 1/2" |
| MBM34 | M34 x 1.5 | 3/4" |
| MBM1 | M42 x 1.5 | 1" |

Connectors



Male Thread, BSPT x Female Thread, BSPP

| 0447 | Thread |
|---------|--------|
| UP13-18 | 1/8" |
| UP13-14 | 1/4" |
| UP13-38 | 3/8" |
| UP13-12 | 1/2" |
| UP13-34 | 3/4" |
| UP13-1 | 1" |

Male Thread, Metric x Female Thread, BSPP

| 0447 | Thread | Thread |
|------------|----------|--------|
| UP13-M5-18 | M5 x 0.8 | 1/8" |
| UP13-M5-14 | M5 x 0.8 | 1/4" |
| UP13-M6-18 | M6 x 1.0 | 1/8" |
| UP13-M6-14 | M6 x 1.0 | 1/4" |

Male x Female Thread, Metric

| 0447 | Thread | Thread |
|------------|----------|----------|
| UP13-M5-M5 | M5 x 0.8 | M5 x 0.8 |

Male Thread, NPT x Female Thread, NPS

| 0447 | Thread |
|----------|--------|
| UP13-18N | 1/8" |
| UP13-14N | 1/4" |
| UP13-38N | 3/8" |
| UP13-12N | 1/2" |
| UP13-34N | 3/4" |
| UP13-1N | 1" |

Reducing Connector



Male, NPT x Female Thread, NPS

| 0447 | Thread | Thread |
|-------------|--------|--------|
| UP13-18-14N | 1/8" | 1/4" |
| UP13-18-38N | 1/8" | 3/8" |
| UP13-14-38N | 1/4" | 3/8" |
| UP13-14-12N | 1/4" | 1/2" |
| UP13-38-12N | 3/8" | 1/2" |



Male Thread, UNF x Female Thread, BSPP

| 0447 | Male Thread | Female Thread |
|-------------|-------------|---------------|
| UP13-18-14U | 1/4" | 1/8" |

Equal Elbows



Male Thread, BSPT

| 0447 | Thread |
|--------|--------|
| UP5-18 | 1/8" |
| UP5-14 | 1/4" |
| UP5-38 | 3/8" |
| UP5-12 | 1/2" |
| MML16 | 1" |

Tech Sheet 20183



Male Thread x Female Thread, NPT

| 0447 | Thread |
|---------|--------|
| UP5-18N | 1/8" |
| UP5-14N | 1/4" |
| UP5-12N | 1/2" |
| UP5-34N | 3/4" |
| UP5-1N | 1" |



Female Thread, BSPT

| 0447 | Thread |
|---------|--------|
| UP6-18 | 1/8" |
| UP6-14 | 1/4" |
| UP6-38 | 3/8" |
| UP6-12 | 1/2" |
| UP6-34 | 3/4" |
| UP6-1 | 1" |
| UP6-114 | 1.1/4" |

Tech Sheet 20183



Female Thread, NPT

| 0447 | Thread |
|---------|--------|
| UP6-14N | 1/4" |
| UP6-34N | 3/4" |



Female Thread, Metric

| 0447 | Thread |
|--------|----------|
| UP6-M5 | M5 x 0.8 |

Equal Elbows

Male Thread x Female Thread, BSPT



| 0447 | Thread |
|---------|--------|
| UP7-18 | 1/8" |
| UP7-14 | 1/4" |
| UP7-38 | 3/8" |
| UP7-12 | 1/2" |
| UP7-1 | 1" |
| UP7-114 | 1.1/4" |
| UP7-112 | 1.1/2" |

Tech Sheet 20183

Male Thread x Female Thread, Metric



| 0447 | Thread |
|----------|----------|
| UP7-MM05 | M5 x 0.8 |

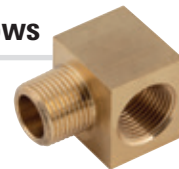
Male Thread, BSPT x Female Thread, BSPP



| 0447 | Thread |
|-------|--------|
| MFL02 | 1/8" |
| MFL04 | 1/4" |
| MFL06 | 3/8" |
| MFL08 | 1/2" |
| MFL12 | 3/4" |
| MFL16 | 1" |
| MFL20 | 1.1/4" |
| MFL24 | 1.1/2" |
| MFL32 | 2" |

Compact 90° Elbows

Male Thread, BSPT x Female Thread, BSPP



| 0447 | Thread |
|---------|--------|
| UP7-18C | 1/8" |
| UP7-14C | 1/4" |
| UP7-38C | 3/8" |
| UP7-12C | 1/2" |

45° Elbows

Female Thread, BSPP



| 0447 | Thread |
|-----------|--------|
| UP11-12F | 1/2" |
| UP11-34F | 3/4" |
| UP11-114F | 1.1/4" |
| UP11-112F | 1.1/2" |
| UP11-2F | 2" |

Equal Tees

Female Thread, BSPP x Male Thread, BSPT x Female Thread, BSPP



| 0447 | Thread |
|---------|--------|
| UP22-18 | 1/8" |
| UP22-14 | 1/4" |
| UP22-38 | 3/8" |
| UP22-12 | 1/2" |
| UP22-34 | 3/4" |

Male Thread, BSPT x Male Thread, BSPT x Female Thread, BSPP



| 0447 | Thread |
|---------|--------|
| UP14-18 | 1/8" |
| UP14-38 | 3/8" |
| UP14-12 | 1/2" |

Male Thread, BSPT x Female Thread, BSPP x Male Thread, BSPT



| 0447 | Thread |
|---------|--------|
| UP15-18 | 1/8" |
| UP15-14 | 1/4" |
| UP15-38 | 3/8" |
| UP15-12 | 1/2" |

Female Thread, BSPP x Female Thread, BSPP x Male Thread, BSPT



| 0447 | Thread |
|---------|--------|
| UP16-18 | 1/8" |
| UP16-14 | 1/4" |
| UP16-38 | 3/8" |
| UP16-12 | 1/2" |
| UP16-34 | 3/4" |
| UP16-1 | 1" |

Female Thread, BSPP



| 0447 | Thread |
|---------|--------|
| UP8-18 | 1/8" |
| UP8-14 | 1/4" |
| UP8-38 | 3/8" |
| UP8-12 | 1/2" |
| UP8-34 | 3/4" |
| UP8-1 | 1" |
| UP8-114 | 1.1/4" |
| UP8-112 | 1.1/2" |

Tech Sheet 20184

Female Thread, NPT



| 0447 | Thread |
|---------|--------|
| UP8-18N | 1/8" |
| UP8-14N | 1/4" |
| UP8-12N | 1/2" |

Male Thread, BSPT



| 0447 | Thread |
|--------|--------|
| UP9-18 | 1/8" |
| UP9-14 | 1/4" |
| UP9-38 | 3/8" |
| UP9-12 | 1/2" |

Tech Sheet 20184

Female Block Equal Tee



Female Thread, BSPT

| 0447 | Thread |
|---------|--------|
| UP10-18 | 1/8" |
| UP10-14 | 1/4" |
| UP10-38 | 3/8" |

Tech Sheet 20185

Male x Female 45° Equal Elbow



Male Thread, BSPT x Female Thread, BSPP

| Q447 | Thread |
|---------|--------|
| UP11-18 | 1/8" |
| UP11-14 | 1/4" |

Tech Sheet 20186

Cross Adaptors



Male Thread, BSPT

| Q447 | Thread |
|---------|--------|
| UP19-14 | 1/4" |
| UP19-38 | 3/8" |



Male Thread, BSPT x Female Thread, BSPP

| Q447 | Thread |
|---------|--------|
| UP20-14 | 1/4" |
| UP20-38 | 3/8" |
| UP20-12 | 1/2" |
| UP20-34 | 3/4" |
| UP20-1 | 1" |



Female Thread, BSPP

| Q447 | Thread |
|---------|--------|
| UP21-14 | 1/4" |
| UP21-38 | 3/8" |
| UP21-12 | 1/2" |

Barrel Nipple



Male Thread, BSPT

| Q447 | Thread |
|------|--------|
| TT18 | 1/8" |
| TT14 | 1/4" |
| TT38 | 3/8" |
| TT12 | 1/2" |
| TT34 | 3/4" |
| TT1 | 1" |

Swivel Union



Male Thread, BSPT

| 1000 | Thread | Thread |
|----------|--------|--------|
| LD10/10K | 1/8" | 1/8" |
| LD13/13K | 1/4" | 1/4" |
| LD17/17K | 3/8" | 3/8" |
| LD21/21K | 1/2" | 1/2" |
| LD26/26K | 3/4" | 3/4" |
| LD33/33K | 1" | 1" |

Tech Sheet 20775



Female Thread, BSPP

| 1000 | Thread |
|-----------|--------|
| LDF21/21K | 1/2" |
| LDF26/26K | 3/4" |
| LDF33/33K | 1" |
| LDF42/42K | 1.1/4" |
| LDF48/48K | 1.1/2" |
| LDF52/52K | 2" |

Equal Y Branch Outlet



Female Thread, BSPP

| 1000 | Thread |
|---------|--------|
| UP17-18 | 1/8" |
| UP17-14 | 1/4" |
| UP17-38 | 3/8" |
| UP17-12 | 1/2" |



Female Thread, BSPP x Female Thread, BSPP x Male Thread, BSPT

| 1000 | Thread |
|---------|--------|
| UP18-18 | 1/8" |
| UP18-14 | 1/4" |
| UP18-38 | 3/8" |
| UP18-12 | 1/2" |

Triple Outlet



Female Thread, BSPP

| 1000 | Thread |
|-------|--------|
| DO-17 | 3/8" |
| DO-21 | 1/2" |

Tech Sheet 20776

Locknuts



Female Thread, BSPP

| Q447 | Thread |
|----------|--------|
| UP12-18 | 1/8" |
| UP12-14 | 1/4" |
| UP12-38 | 3/8" |
| UP12-12 | 1/2" |
| UP12-58 | 5/8" |
| UP12-34 | 3/4" |
| UP12-78 | 7/8" |
| UP12-1 | 1" |
| UP12-114 | 1.1/4" |
| UP12-112 | 1.1/2" |

Flanged Locknuts



Female Thread, BSPP

| Q447 | Thread |
|-----------|--------|
| UP12-38F | 3/8" |
| UP12-12F | 1/2" |
| UP12-34F | 3/4" |
| UP12-1F | 1" |
| UP12-114F | 1.1/4" |
| UP12-112F | 1.1/2" |



Female Thread, Metric

| Q447 | Thread |
|-------------|-----------|
| UP12-MM10 | M10 x 1.0 |
| UP12-MM12 | M12 x 1.0 |
| UP12-MM14.1 | M14 x 1.0 |
| UP12-MM14 | M14 x 1.5 |
| UP12-MM15 | M15 x 1.0 |
| UP12-MM16 | M16 x 1.5 |
| UP12-MM18 | M18 x 1.5 |
| UP12-MM20 | M20 x 1.5 |
| UP12-MM22 | M22 x 1.5 |
| UP12-MM24 | M24 x 1.5 |
| UP12-MM26 | M26 x 1.5 |
| UP12-MM28 | M28 x 1.5 |
| UP12-MM30 | M30 x 1.5 |
| UP12-MM34 | M34 x 1.5 |
| UP12-MM38 | M38 x 1.5 |

Flanged Plugs



Male Thread, BSPP

| 1000 | Thread |
|-------|--------|
| VFP10 | 1/8" |
| VFP13 | 1/4" |
| VFP17 | 3/8" |
| VFP21 | 1/2" |
| VFP26 | 3/4" |
| VFP33 | 1" |
| VFP42 | 1.1/4" |
| VFP48 | 1.1/2" |
| VFP52 | 2" |

Hollow Plugs



Male Thread, BSPT

| 0447 | Thread |
|--------|--------|
| VHP18 | 1/8" |
| VHP14 | 1/4" |
| VHP38 | 3/8" |
| VHP12 | 1/2" |
| VHP58 | 5/8" |
| VHP34 | 3/4" |
| VHP1 | 1" |
| VHP114 | 1.1/4" |

Male Thread, BSPP

| 0447 | Thread |
|---------|--------|
| VHP18P | 1/8" |
| VHP14P | 1/4" |
| VHP38P | 3/8" |
| VHP12P | 1/2" |
| VHP58P | 5/8" |
| VHP34P | 3/4" |
| VHP1P | 1" |
| VHP114P | 1.1/4" |
| VHP112P | 1.1/2" |
| VHP2P | 2" |

Male Thread, NPT

| 0447 | Thread |
|--------|--------|
| VHP18N | 1/8" |
| VHP14N | 1/4" |
| VHP38N | 3/8" |
| VHP12N | 1/2" |
| VHP34N | 3/4" |
| VHP2N | 2" |

Solid Plugs

Male Thread, Metric

| 0447 | Thread |
|--------|-----------|
| VHPM05 | M5 x 0.8 |
| VHPM06 | M6 x 1.0 |
| VHPM08 | M8 x 1.0 |
| VHPM14 | M14 x 1.5 |
| VHPM16 | M16 x 1.5 |
| VHPM18 | M18 x 1.5 |
| VHPM20 | M20 x 1.5 |
| VHPM22 | M22 x 1.5 |
| VHPM24 | M24 x 1.5 |
| VHPM26 | M26 x 1.5 |
| VHPM28 | M28 x 1.5 |



Male Thread, BSPT

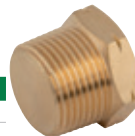
| 0447 | Thread |
|--------|--------|
| VPS18 | 1/8" |
| VPS14 | 1/4" |
| VPS38 | 3/8" |
| VPS12 | 1/2" |
| VPS58 | 5/8" |
| VPS34 | 3/4" |
| VPS78 | 7/8" |
| VPS1 | 1" |
| VPS114 | 1.1/4" |
| VPS112 | 1.1/2" |
| VPS2 | 2" |

Male Thread, BSPP

| 0447 | Thread |
|---------|--------|
| VPS18P | 1/8" |
| VPS14P | 1/4" |
| VPS38P | 3/8" |
| VPS12P | 1/2" |
| VPS58P | 5/8" |
| VPS34P | 3/4" |
| VPS1P | 1" |
| VPS112P | 1.1/2" |
| VPS2P | 2" |

Male Thread, NPT

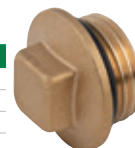
| 0447 | Thread |
|---------|--------|
| VPS18N | 1/8" |
| VPS14N | 1/4" |
| VPS38N | 3/8" |
| VPS12N | 1/2" |
| VPS34N | 3/4" |
| VPS1N | 1" |
| VPS114N | 1.1/4" |
| VPS112N | 1.1/2" |
| VPS2N | 2" |



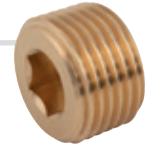
Square Head Plugs

Male Thread, BSPP

| 1000 | Thread |
|--------|--------|
| VPO14 | 1/4" |
| VPO38 | 3/8" |
| VPO12 | 1/2" |
| VPO34 | 3/4" |
| VPO1 | 1" |
| VPO114 | 1.1/4" |
| VPO112 | 1.1/2" |
| VPO2 | 2" |



Allen Key Plugs



Male Thread, BSPT

| 0447 | Thread |
|---------|--------|
| AK-TT18 | 1/8" |
| AK-TT14 | 1/4" |
| AK-TT38 | 3/8" |
| AK-TT12 | 1/2" |
| AK-TT34 | 3/4" |
| AK-TT1 | 1" |

Male Thread, BSPP

| 0447 | Thread |
|---------|--------|
| AK-PP18 | 1/8" |
| AK-PP14 | 1/4" |
| AK-PP38 | 3/8" |
| AK-PP12 | 1/2" |

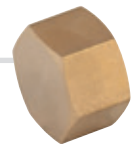
Male Thread, Metric

| 0447 | Thread |
|---------|-----------|
| AK-MM08 | M8 x 1.0 |
| AK-MM10 | M10 x 1.0 |
| AK-MM12 | M12 x 1.5 |
| AK-MM14 | M14 x 1.5 |
| AK-MM16 | M16 x 1.5 |
| AK-MM18 | M18 x 1.5 |
| AK-MM20 | M20 x 1.5 |
| AK-MM22 | M22 x 1.5 |
| AK-MM24 | M24 x 1.5 |

Male Thread, NPT

| 0447 | Thread |
|---------|--------|
| AK-NN18 | 1/8" |
| AK-NN14 | 1/4" |
| AK-NN38 | 3/8" |
| AK-NN12 | 1/2" |

Caps



Female Thread, BSPP

| 0447 | Thread |
|--------|--------|
| VCAP10 | 1/8" |
| VCAP13 | 1/4" |
| VCAP17 | 3/8" |
| VCAP21 | 1/2" |
| VCAP26 | 3/4" |
| VCAP33 | 1" |
| VCAP42 | 1.1/4" |
| VCAP48 | 1.1/2" |

Air Vents



Male Thread, BSPP

| 1000 | Thread |
|---------|--------|
| AK-VV18 | 1/8" |
| AK-VV14 | 1/4" |
| AK-VV12 | 1/2" |

NICKEL PLATED BRASS ADAPTORS



Temperature:
+300 °C

Maximum Working Pressure
1/8" - 150 bar 1/4" - 100 bar 3/8" - 75 bar 1/2" - 50 bar 3/4" - 85 bar 1" - 80 bar

Equal Male Adaptors



Male Thread, Metric & BSPP

Male Thread, BSPT

| 0422 | Thread |
|----------|--------|
| DN10/10K | 1/8" |
| DN13/13K | 1/4" |
| DN17/17K | 3/8" |
| DN21/21K | 1/2" |
| DN26/26K | 3/4" |
| DN33/33K | 1" |
| DN42/42K | 1.1/4" |
| DN50/50K | 1.1/2" |

Tech Sheet 1620



| 0422 | Thread |
|---------|--------|
| DN05/05 | M5 |
| DN10/10 | 1/8" |
| DN13/13 | 1/4" |
| DN17/17 | 3/8" |
| DN21/21 | 1/2" |
| DN26/26 | 3/4" |
| DN33/33 | 1" |
| DN42/42 | 1.1/4" |
| DN50/50 | 1.1/2" |
| DN55/55 | 2" |

Tech Sheet 1620

Unequal Male Adaptors



Male Thread, BSPT

| 0422 | Thread | Thread |
|----------|--------|--------|
| DN10/13K | 1/8" | 1/4" |
| DN10/17K | 1/8" | 3/8" |
| DN10/21K | 1/8" | 1/2" |
| DN13/17K | 1/4" | 3/8" |
| DN13/21K | 1/4" | 1/2" |
| DN17/21K | 3/8" | 1/2" |
| DN21/26K | 1/2" | 3/4" |
| DN26/33K | 3/4" | 1" |
| DN33/42K | 1" | 1.1/4" |
| DN42/50K | 1.1/4" | 1.1/2" |
| DN50/55K | 1.1/2" | 2" |

Tech Sheet 1622



Male Thread, Metric & BSPP

| 0422 | Thread | Thread |
|---------|--------|--------|
| DN05/10 | M5 | 1/8" |
| DN10/13 | 1/8" | 1/4" |
| DN10/17 | 1/8" | 3/8" |
| DN13/17 | 1/4" | 3/8" |
| DN13/21 | 1/4" | 1/2" |
| DN17/21 | 3/8" | 1/2" |
| DN21/26 | 1/2" | 3/4" |
| DN26/33 | 3/4" | 1" |
| DN33/42 | 1" | 1.1/4" |
| DN42/50 | 1.1/4" | 1.1/2" |
| DN50/55 | 1.1/2" | 2" |

Tech Sheet 1622

Male x Female Adaptors



Male Thread, BSPT x Female Thread, BSPP

| 0422 | Male Thread | Female Thread |
|----------|-------------|---------------|
| RL10/10K | 1/8" | 1/8" |
| RL10/13K | 1/8" | 1/4" |
| RL10/17K | 1/8" | 3/8" |
| RL13/13K | 1/4" | 1/4" |
| RL13/17K | 1/4" | 3/8" |
| RL13/21K | 1/4" | 1/2" |
| RL17/17K | 3/8" | 3/8" |
| RL17/21K | 3/8" | 1/2" |
| RL17/26K | 3/8" | 3/4" |
| RL21/21K | 1/2" | 1/2" |
| RL21/26K | 1/2" | 3/4" |
| RL21/33K | 1/2" | 1" |
| RL26/26K | 3/4" | 3/4" |
| RL26/33K | 3/4" | 1" |
| RL33/33K | 1" | 1" |

Tech Sheet 10704



Male Thread, BSPP x Female Thread, Metric & BSPP

| 0422 | Male Thread | Female Thread |
|---------|-------------|---------------|
| RL05/05 | M5 | M5 |
| RL05/10 | M5 | 1/8" |
| RL10/10 | 1/8" | 1/8" |
| RL10/13 | 1/8" | 1/4" |
| RL10/17 | 1/8" | 3/8" |
| RL13/13 | 1/4" | 1/4" |
| RL13/17 | 1/4" | 3/8" |
| RL13/21 | 1/4" | 1/2" |
| RL17/17 | 3/8" | 3/8" |
| RL17/21 | 3/8" | 1/2" |
| RL17/26 | 3/8" | 3/4" |
| RL21/21 | 1/2" | 1/2" |
| RL21/26 | 1/2" | 3/4" |
| RL21/33 | 1/2" | 1" |
| RL26/26 | 3/4" | 3/4" |
| RL26/33 | 3/4" | 1" |
| RL33/33 | 1" | 1" |

Tech Sheet 10704



Extension, Male Thread, BSPP x Female Thread, BSPP

| 0422 | Thread | Length mm |
|----------|--------|-----------|
| RL05/05X | M5 | 18.5 |
| RL10/10X | 1/8" | 22 |
| RL10/10Y | 1/8" | 42 |
| RL13/13X | 1/4" | 35 |
| RL13/13Y | 1/4" | 51 |
| RL17/17X | 3/8" | 41 |
| RL21/21X | 1/2" | 35 |
| RL26/26X | 3/4" | 50 |
| RL33/33X | 1" | 50 |

Tech Sheet 10704

X = Standard Length (as photo), Y = Extended Length

Male Thread, NPTF x Female Thread, BSPP

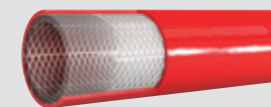
| 0422 | Thread |
|-----------|--------|
| RL10/10KN | 1/8" |
| RL13/13KN | 1/4" |
| RL17/17KN | 3/8" |

Tech Sheet 10704

Male Thread, BSPP x Female Thread, NPTF

| 0422 | Thread |
|----------|--------|
| RL10/10N | 1/8" |
| RL13/13N | 1/4" |
| RL17/17N | 3/8" |
| RL21/21N | 1/2" |

Tech Sheet 10704



You might also need
Hose & Tubing
see **Section 12**

NICKEL PLATED BRASS ADAPTORS



Equal Swivel Connectors

Male Thread, BSPT x Female Thread, BSPP



| 0422 | Thread |
|---------|--------|
| 2110-18 | 1/8" |
| 2110-14 | 1/4" |
| 2110-38 | 3/8" |

Tech Sheet 10704

Male Thread, BSPP x Female Thread, BSPP



| 0422 | Thread |
|---------|--------|
| 2115-18 | 1/8" |
| 2115-14 | 1/4" |
| 2115-38 | 3/8" |

Tech Sheet 10704

Note:
Un-plated only.

Male Thread, BSPT x Female Thread, BSPP



| 0422 | Thread |
|------|--------|
| SF10 | 1/8" |
| SF13 | 1/4" |
| SF17 | 3/8" |
| SF21 | 1/2" |

Tech Sheet 10704

Equal Bulkhead Connectors

Female Thread, Metric & BSPP x Male Thread, Metric



| 0422 | Female Thread | Male Thread |
|----------|---------------|-------------|
| 3060-M5 | M5 | M10 x 1 |
| 3060-1/8 | 1/8" | M16 x 1.5 |
| 3060-1/4 | 1/4" | M20 x 1.5 |
| 3060-3/8 | 3/8" | M26 x 1.5 |
| 3060-1/2 | 1/2" | M28 x 1.5 |
| 3060-3/4 | 3/4" | M33 x 1.5 |
| 3060-1 | 1" | M42 x 1.5 |

Tech Sheet 10702

Equal Sockets

Female Thread, Metric & BSPP



| 0422 | Thread |
|------|--------|
| MU05 | M5 |
| MU10 | 1/8" |
| MU13 | 1/4" |
| MU17 | 3/8" |
| MU21 | 1/2" |
| MU26 | 3/4" |
| MU33 | 1" |

Tech Sheet 1621

Unequal Sockets

Female Thread, Metric & BSPP



| 0422 | Thread | Thread |
|---------|--------|--------|
| MU05/10 | M5 | 1/8" |
| MU10/13 | 1/8" | 1/4" |
| MU10/17 | 1/8" | 3/8" |
| MU10/21 | 1/8" | 1/2" |
| MU13/17 | 1/4" | 3/8" |
| MU13/21 | 1/4" | 1/2" |
| MU17/21 | 3/8" | 1/2" |
| MU17/26 | 3/8" | 3/4" |
| MU21/26 | 1/2" | 3/4" |
| MU21/33 | 1/2" | 1" |
| MU26/33 | 3/4" | 1" |

Tech Sheet 1621

Reducing Bushes

Male Thread, BSPP x Female Thread, Metric & BSPP



| 0422 | Male Thread | Female Thread |
|---------|-------------|---------------|
| RK05/10 | 1/8" | M5 |
| RK05/13 | 1/4" | M5 |
| RK10/13 | 1/4" | 1/8" |
| RK10/17 | 3/8" | 1/8" |
| RK10/21 | 1/2" | 1/8" |
| RK13/17 | 3/8" | 1/4" |
| RK13/21 | 1/2" | 1/4" |
| RK13/26 | 3/4" | 1/4" |
| RK17/21 | 1/2" | 3/8" |
| RK17/26 | 3/4" | 3/8" |
| RK17/33 | 1" | 3/8" |
| RK21/26 | 3/4" | 1/2" |
| RK21/33 | 1" | 1/2" |
| RK26/33 | 1" | 3/4" |
| RK33/42 | 1.1/4" | 1" |
| RK42/50 | 1.1/2" | 1.1/4" |
| RK42/55 | 2" | 1.1/4" |
| RK50/55 | 2" | 1.1/2" |

Tech Sheet 1623

Male Thread, BSPT x Female Thread, BSPP



| 0422 | Male Thread | Female Thread |
|----------|-------------|---------------|
| RK05/10K | 1/8" | M5x0.8 |
| RK10/13K | 1/4" | 1/8" |
| RK10/17K | 3/8" | 1/8" |
| RK13/17K | 3/8" | 1/4" |
| RK10/21K | 1/2" | 1/8" |
| RK13/21K | 1/2" | 1/4" |
| RK17/21K | 1/2" | 3/8" |
| RK13/26K | 3/4" | 1/4" |
| RK17/26K | 3/4" | 3/8" |
| RK21/26K | 3/4" | 1/2" |
| RK13/33K | 1" | 1/4" |
| RK17/33K | 1" | 3/8" |
| RK21/33K | 1" | 1/2" |
| RK26/33K | 1" | 3/4" |
| RK21/42K | 1.1/4" | 1/2" |
| RK26/42K | 1.1/4" | 3/4" |
| RK33/42K | 1.1/4" | 1" |
| RK33/50K | 1.1/2" | 1" |
| RK33/55K | 2" | 1" |
| RK42/55K | 2" | 1.1/4" |
| RK50/55K | 2" | 1.1/2" |

Tech Sheet 1623

Note:
*Un-plated only.

Male Thread, BSPP x Female Thread, Metric & BSPP



| 0422 | Male Thread | Female Thread |
|------------|-------------|---------------|
| 2095-13/10 | 1/4" | 1/8" |
| 2095-17/10 | 3/8" | 1/8" |
| 2095-17/13 | 3/8" | 1/4" |
| 2095-21/13 | 1/2" | 1/4" |
| 2095-21/17 | 1/2" | 3/8" |
| 2095-26/21 | 3/4" | 1/2" |
| 2095-33/21 | 1" | 1/2" |
| 2095-33/26 | 1" | 3/4" |

Tech Sheet 1623

Equal Elbows



Female Thread, Metric & BSPP

| 0422 | Thread |
|------|--------|
| WIM5 | M5 |
| WI10 | 1/8" |
| WI13 | 1/4" |
| WI17 | 3/8" |
| WI21 | 1/2" |
| WI26 | 3/4" |
| WI33 | 1" |

Tech Sheet 1093



Male Thread, Metric & BSPT x Female Thread, Metric & BSPP

| 0422 | Thread |
|-------|--------|
| WSLM5 | M5 |
| WSL10 | 1/8" |
| WSL13 | 1/4" |
| WSL17 | 3/8" |
| WSL21 | 1/2" |
| WSL26 | 3/4" |
| WSL33 | 1" |

Tech Sheet 1093



Male Thread, Metric & BSPT

| 0422 | Thread |
|------|--------|
| WAM5 | M5 |
| WA10 | 1/8" |
| WA13 | 1/4" |
| WA17 | 3/8" |
| WA21 | 1/2" |
| WA26 | 3/4" |
| WA33 | 1" |

Tech Sheet 1093

Equal Tees



Offset Male Thread, BSPT x Female Thread, BSPP

| 0422 | Thread |
|------|--------|
| TD10 | 1/8" |
| TD13 | 1/4" |
| TD17 | 3/8" |
| TD21 | 1/2" |
| TD26 | 3/4" |
| TD33 | 1" |

Tech Sheet 1094



Branch Female Thread, Metric & BSPP x Male Thread, Metric & BSPT

| 0422 | Thread |
|------|--------|
| TCM5 | M5 |
| TC10 | 1/8" |
| TC13 | 1/4" |
| TC17 | 3/8" |
| TC21 | 1/2" |
| TC26 | 3/4" |
| TC33 | 1" |

Tech Sheet 1094



Male Thread, BSPT

| 0422 | Thread |
|------|--------|
| TA10 | 1/8" |
| TA13 | 1/4" |
| TA17 | 3/8" |
| TA21 | 1/2" |
| TA26 | 3/4" |
| TA33 | 1" |

Tech Sheet 1094



Female Thread, Metric & BSPP

| 0422 | Thread |
|------|--------|
| TIM5 | M5 |
| TI10 | 1/8" |
| TI13 | 1/4" |
| TI17 | 3/8" |
| TI21 | 1/2" |
| TI26 | 3/4" |
| TI33 | 1" |

Tech Sheet 1094



Branch Male Thread, Metric & BSPT x Female Thread, Metric & BSPP

| 0422 | Thread |
|-------|--------|
| TKL05 | M5 |
| TKL10 | 1/8" |
| TKL13 | 1/4" |
| TKL17 | 3/8" |
| TKL21 | 1/2" |
| TKL26 | 3/4" |
| TKL33 | 1" |

Tech Sheet 1094



Offset Female Thread, Metric & BSPP x Male Thread, Metric & BSPT

| 0422 | Thread |
|------|--------|
| TB05 | M5 |
| TB10 | 1/8" |
| TB13 | 1/4" |
| TB17 | 3/8" |
| TB21 | 1/2" |
| TB26 | 3/4" |
| TB33 | 1" |

Tech Sheet 1094

NICKEL PLATED BRASS ADAPTORS



Equal Block Elbows



**Male Thread,
BSPP x Female Thread, BSPP**

| 0422 | Thread |
|----------|--------|
| 6070-1/8 | 1/8" |
| 6070-1/4 | 1/4" |

Equal Block Tees



**Male Thread,
BSPP x Female Thread, BSPP**

| 0422 | Thread |
|----------|--------|
| 6080-1/8 | 1/8" |
| 6080-1/4 | 1/4" |

90° Wall Bracket Fitting



Female Thread, BSPP

| 0422 | Thread |
|----------|--------|
| 5050-1/2 | 1/2" |

Tech Sheet 10703

Equal Crosses



**Male Thread
BSPT x Female Thread, BSPP**

| 0422 | Thread |
|------|--------|
| FD10 | 1/8" |
| FD13 | 1/4" |
| FD17 | 3/8" |
| FD21 | 1/2" |

Tech Sheet 1095



Male Thread, BSPT

| 0422 | Thread |
|------|--------|
| FE10 | 1/8" |
| FE13 | 1/4" |
| FE17 | 3/8" |
| FE21 | 1/2" |

Tech Sheet 1095



Female Thread, BSPP

| 0422 | Thread |
|------|--------|
| FC10 | 1/8" |
| FC13 | 1/4" |
| FC17 | 3/8" |
| FC21 | 1/2" |

Tech Sheet 1095

Equal Y Connectors



Female Thread, BSPP

| 0422 | Thread |
|-------|--------|
| ZO-10 | 1/8" |
| ZO-13 | 1/4" |
| ZO-17 | 3/8" |
| ZO-21 | 1/2" |

Tech Sheet 1096



**Male Thread,
BSPT x Female Thread, BSPP**

| 0422 | Male Thread |
|-------|-------------|
| XO-10 | 1/8" |
| XO-13 | 1/4" |
| XO-17 | 3/8" |
| XO-21 | 1/2" |

Tech Sheet 1096

Triple Outlet



Female Thread, BSPP

| 0422 | Thread |
|--------|--------|
| TO06NP | 3/8" |



For Malleable Iron Fittings
...see pages 1178-1380



For Malleable Iron Accessories
...see pages 1184-1385

Blanking Plugs



Male Thread, BSPT

| 0422 | Thread |
|-------|--------|
| VZ10K | 1/8" |
| VZ13K | 1/4" |
| VZ17K | 3/8" |
| VZ21K | 1/2" |
| VZ26K | 3/4" |
| VZ33K | 1" |



Male Thread, Metric & BSPP

| 0422 | Thread |
|------|--------|
| VZ05 | M5 |
| VZ10 | 1/8" |
| VZ13 | 1/4" |
| VZ17 | 3/8" |
| VZ21 | 1/2" |
| VZ26 | 3/4" |
| VZ33 | 1" |

Tech Sheet 10704

Blanking Caps



Female Thread, BSPP

| 0422 | Thread |
|------|--------|
| VK10 | 1/8" |
| VK13 | 1/4" |
| VK17 | 3/8" |
| VK21 | 1/2" |
| VK26 | 3/4" |
| VK33 | 1" |

Tech Sheet 10700

Nitrile O-Ring Seal & Hexagon Recess, Male Thread, Metric & BSPP



| 0422 | Thread |
|-------|--------|
| ZV-05 | M5 |
| ZV-10 | 1/8" |
| ZV-13 | 1/4" |
| ZV-17 | 3/8" |
| ZV-21 | 1/2" |
| ZV-26 | 3/4" |
| ZV-33 | 1" |

Tech Sheet 10704

FKM O-Ring Seal & Hexagon Recess, Male Thread, Metric & BSPP



| 0422 | Thread |
|----------|--------|
| ZV-05FKM | M5 |
| ZV-10FKM | 1/8" |
| ZV-13FKM | 1/4" |
| ZV-17FKM | 3/8" |
| ZV-21FKM | 1/2" |

Lock Nuts



Female Thread, BSPP

| 0422 | Thread |
|--------|--------|
| KM10WN | 1/8" |
| KM13WN | 1/4" |
| KM17WN | 3/8" |
| KM21WN | 1/2" |
| KM26WN | 3/4" |

Tech Sheet 10702

Allen Key Plugs



Male Thread, BSPT

| 0422 | Thread |
|----------|--------|
| 3025-1/8 | 1/8" |
| 3025-1/4 | 1/4" |
| 3025-3/8 | 3/8" |
| 3025-1/2 | 1/2" |
| 3025-3/4 | 3/4" |
| 3025-1 | 1" |

Tech Sheet 10700



Male Thread, BSPP

| 0422 | Thread |
|----------|--------|
| 3026-1/8 | 1/8" |
| 3026-1/4 | 1/4" |
| 3026-3/8 | 3/8" |
| 3026-1/2 | 1/2" |
| 3026-3/4 | 3/4" |

Tech Sheet 10700

Equal Socket



Female Thread, BSPP

| 0447 | Thread |
|------------|--------|
| FFA02/02NP | 1/8" |
| FFA04/04NP | 1/4" |
| FFA06/06NP | 3/8" |
| FFA08/08NP | 1/2" |
| FFA12/12NP | 3/4" |
| FFA16/16NP | 1" |

NICKEL PLATED BRASS ADAPTORS



Unequal Reducing Sockets



Female Thread, BSPP

| 0447 | Thread | Thread |
|------------|--------|--------|
| FFR04/02NP | 1/4" | 1/8" |
| FFR06/04NP | 3/8" | 1/4" |
| FFR08/04NP | 1/2" | 1/4" |
| FFR08/06NP | 1/2" | 3/8" |
| FFR12/04NP | 3/4" | 1/4" |
| FFR12/06NP | 3/4" | 3/8" |
| FFR12/08NP | 3/4" | 1/2" |
| FFR16/08NP | 1" | 1/2" |
| FFR16/12NP | 1" | 3/4" |

Caps



Female Thread, Metric

| 0447 | Thread |
|---------|--------|
| CAP04NP | 1/4" |
| CAP06NP | 3/8" |
| CAP08NP | 1/2" |
| CAP16NP | 1" |



For Reusable
Hydraulic Fittings
... see page 41

Hexagonal Plugs



Male Thread, BSPT

| 0447 | Thread |
|----------|--------|
| PBT02SNP | 1/8" |
| PBT04SNP | 1/4" |
| PBT06SNP | 3/8" |



Male Thread, BSPP

| 0447 | Thread |
|----------|--------|
| PBP02SNP | 1/8" |
| PBP06SNP | 3/8" |
| PBP08SNP | 1/2" |

Allen Key Plugs



Male Thread, NPT

| 0447 | Thread |
|---------|--------|
| AKN02NP | 1/8" |
| AKN04NP | 1/4" |
| AKN06NP | 3/8" |
| AKN08NP | 1/2" |



Steel, Male Thread, BSPT

| 0447 | Thread |
|-------|--------|
| SAK02 | 1/8" |
| SAK04 | 1/4" |
| SAK06 | 3/8" |
| SAK08 | 1/2" |

Lock Nuts



Female Thread, Metric

| 0447 | Thread |
|--------|-----------|
| LN15NP | M15 x 1.0 |
| LN20NP | M20 x 1.5 |
| LN24NP | M24 x 1.5 |
| LN26NP | M26 x 1.5 |
| LN28NP | M28 x 1.5 |



Female Thread, BSPP

| 0447 | Thread |
|--------|--------|
| LN02NP | 1/8" |
| LN04NP | 1/4" |
| LN06NP | 3/8" |
| LN08NP | 1/2" |
| LN12NP | 3/4" |
| LN16NP | 1" |

Reducing Bush



Male x Female, BSPP

| 1050 | Male Thread | Female Thread |
|------------|-------------|---------------|
| PRB34-12 | 3/4" | 1/2" |
| PRB1-12 | 1" | 1/2" |
| PRB1-34 | 1" | 3/4" |
| PRB114-12 | 1.1/4" | 1/2" |
| PRB114-34 | 1.1/4" | 3/4" |
| PRB114-1 | 1.1/4" | 1" |
| PRB112-34 | 1.1/2" | 3/4" |
| PRB112-1 | 1.1/2" | 1" |
| PRB112-114 | 1.1/2" | 1.1/4" |
| PRB2-34 | 2" | 3/4" |
| PRB2-1 | 2" | 1" |
| PRB2-114 | 2" | 1.1/4" |
| PRB2-112 | 2" | 1.1/2" |
| PRB212-2 | 2.1/2" | 2" |
| PRB3-2 | 3" | 2" |
| PRB3-212 | 3" | 2.1/2" |

Tech Sheet 10640

Male x Female Reducer



Male x Female, BSPP

| 1050 | Male Thread | Female Thread |
|------------|-------------|---------------|
| PRE12-38 | 1/2" | 3/8" |
| PRE34-12 | 3/4" | 1/2" |
| PRE1-12 | 1" | 1/2" |
| PRE1-34 | 1" | 3/4" |
| PRE114-1 | 1.1/4" | 1" |
| PRE112-114 | 1.1/2" | 1.1/4" |
| PRE2-112 | 2" | 1.1/2" |

Tech Sheet 10640

Reducing Nipple



Male, BSPP

| 1050 | Thread | Thread |
|------------|--------|--------|
| PRN34-12 | 3/4" | 1/2" |
| PRN1-34 | 1" | 3/4" |
| PRN114-1 | 1.1/4" | 1" |
| PRN112-114 | 1.1/2" | 1.1/4" |
| PRN2-112 | 2" | 1.1/2" |
| PRN212-2 | 2.1/2" | 2" |

Tech Sheet 10640

Nipple



Male, BSPP

| 1050 | Thread |
|------------|--------|
| PEN12-12 | 1/2" |
| PEN34-34 | 3/4" |
| PEN1-1 | 1" |
| PEN114-114 | 1.1/4" |
| PEN112-112 | 1.1/2" |
| PEN2-2 | 2" |
| PEN3-3 | 3" |

Tech Sheet 10640

Plug



Male, BSPP

| 1050 | Thread |
|--------|--------|
| PTP12 | 1/2" |
| PTP34 | 3/4" |
| PTP1 | 1" |
| PTP114 | 1.1/4" |
| PTP112 | 1.1/2" |
| PTP2 | 2" |
| PTP212 | 2.1/2" |

Tech Sheet 10640

Reducing Socket



Female, BSPP

| 1050 | Thread | Thread |
|------------|--------|--------|
| PRS34-12 | 3/4" | 1/2" |
| PRS1-34 | 1" | 3/4" |
| PRS114-1 | 1.1/4" | 1" |
| PRS112-114 | 1.1/2" | 1.1/4" |
| PRS2-112 | 2" | 1.1/2" |

Tech Sheet 10640

Socket



Female, BSPP

| 1050 | Thread |
|------------|--------|
| PES12-12 | 1/2" |
| PES34-34 | 3/4" |
| PES1-1 | 1" |
| PES114-114 | 1.1/4" |
| PES112-112 | 1.1/2" |
| PES2-2 | 2" |
| PES3-3 | 3" |

Tech Sheet 10640

Cap



Female, BSPP

| 1050 | Thread |
|--------|--------|
| PTC12 | 1/2" |
| PTC34 | 3/4" |
| PTC1 | 1" |
| PTC114 | 1.1/4" |
| PTC112 | 1.1/2" |
| PTC2 | 2" |

Tech Sheet 10640

NYLON ADAPTORS



Nylon 6-6

 Temperature:
-20 to 110°C

 Working Pressure:
Up to 14 bar (200 psi) at 20°C

 Fittings Dimensions: refer to tube ID or OD,
with respect to the common application

Unequal Nipple



BSPT

| 0497 | Thread | Thread |
|-----------|--------|--------|
| PN1-14-18 | 1/4" | 1/8" |
| PN1-38-14 | 3/8" | 1/4" |
| PN1-12-14 | 1/2" | 1/4" |
| PN1-12-38 | 1/2" | 3/8" |

Equal Nipple



BSPT

| 0497 | Thread |
|--------|--------|
| PN2-18 | 1/8" |
| PN2-14 | 1/4" |
| PN2-38 | 3/8" |
| PN2-12 | 1/2" |

Reducing Socket



BSPT

| 0497 | Thread A | Thread B |
|-----------|----------|----------|
| PN6-14-18 | 1/8" | 1/4" |
| PN6-38-18 | 1/8" | 3/8" |
| PN6-38-14 | 1/4" | 3/8" |
| PN6-12-14 | 1/4" | 1/2" |
| PN6-34-14 | 1/4" | 3/4" |
| PN6-12-38 | 3/8" | 1/2" |

Female Socket



BSPT

| 0497 | Thread |
|--------|--------|
| PN5-18 | 1/8" |
| PN5-14 | 1/4" |
| PN5-38 | 3/8" |
| PN5-12 | 1/2" |

Bush



BSPT

| 0497 | Male Thread | Female Thread |
|-----------|-------------|---------------|
| PN3-18-14 | 1/4" | 1/8" |
| PN3-18-12 | 1/2" | 1/8" |
| PN3-14-18 | 1/8" | 1/4" |
| PN3-14-14 | 1/4" | 1/4" |
| PN3-14-38 | 3/8" | 1/4" |
| PN3-38-18 | 1/8" | 3/8" |
| PN3-38-14 | 1/4" | 3/8" |
| PN3-38-38 | 3/8" | 3/8" |
| PN3-38-12 | 1/2" | 3/8" |
| PN3-12-14 | 1/4" | 1/2" |
| PN3-12-38 | 3/8" | 1/2" |
| PN3-12-12 | 1/2" | 1/2" |

Reducing Bush



BSPT

| 0497 | Male Thread | Female Thread |
|-----------|-------------|---------------|
| PN4-14-18 | 1/4" | 1/8" |
| PN4-38-18 | 3/8" | 1/8" |
| PN4-38-14 | 3/8" | 1/4" |
| PN4-12-14 | 1/2" | 1/4" |
| PN4-12-38 | 1/2" | 3/8" |
| PN4-34-14 | 3/4" | 1/4" |
| PN4-34-38 | 3/4" | 3/8" |
| PN4-34-12 | 3/4" | 1/2" |

Equal Elbow



BSPT

| 0497 | Thread |
|---------|--------|
| PN10-18 | 1/8" |
| PN10-14 | 1/4" |
| PN10-38 | 3/8" |
| PN10-12 | 1/2" |

Reducing Elbow



BSPT

| 0497 | Thread | Thread |
|------------|--------|--------|
| PN11-14-18 | 1/4" | 1/8" |
| PN11-38-14 | 3/8" | 1/4" |

Equal Tee



BSPT

| 0497 | Thread |
|--------|--------|
| PN7-14 | 1/4" |
| PN7-38 | 3/8" |
| PN7-12 | 1/2" |

PVDF ADAPTORS



Food Contact
FDA 21 CFR



Food Contact
(EU) 1935/2004



NSF/ANSI 61



Fittings made of PVDF function better than nylon when exposed to a wide range of temperatures and high corrosive chemicals.

This enables them to be used in industries such as chemical processing due to their excellent chemical resistance properties.

Working Temperature:
-20°C to +120°C

Maximum Working Pressure:
14 bar at 20°C

Equal Nipple



BSPT

| 0472 | Thread |
|--------|--------|
| PV2-18 | 1/8" |
| PV2-14 | 1/4" |
| PV2-38 | 3/8" |
| PV2-12 | 1/2" |

Tech Sheet 60237

Unequal Nipple



BSPT

| 0472 | Thread | Thread |
|-----------|--------|--------|
| PV1-14-18 | 1/4" | 1/8" |
| PV1-38-14 | 3/8" | 1/4" |
| PV1-12-14 | 1/2" | 1/4" |
| PV1-12-38 | 1/2" | 3/8" |

Tech Sheet 60237

Female Socket



BSPT

| 0472 | Thread |
|--------|--------|
| PV5-18 | 1/8" |
| PV5-14 | 1/4" |
| PV5-38 | 3/8" |
| PV5-12 | 1/2" |

Tech Sheet 60237

Reducing Socket



BSPT

| 0472 | Thread | Thread |
|-----------|--------|--------|
| PV6-14-18 | 1/4" | 1/8" |
| PV6-38-14 | 3/8" | 1/4" |
| PV6-12-14 | 1/2" | 1/4" |

Tech Sheet 60237

Reducing Bush



BSPT

| 0472 | Male Thread | Female Thread |
|-----------|-------------|---------------|
| PV4-14-18 | 1/4" | 1/8" |
| PV4-38-18 | 3/8" | 1/8" |
| PV4-38-14 | 3/8" | 1/4" |
| PV4-12-18 | 1/2" | 1/8" |
| PV4-12-14 | 1/2" | 1/4" |
| PV4-12-38 | 1/2" | 3/8" |

Tech Sheet 60237

Bush



BSPT

| 0472 | Male Thread | Female Thread |
|-----------|-------------|---------------|
| PV3-18-38 | 1/8" | 3/8" |
| PV3-14-18 | 1/4" | 1/8" |
| PV3-14-14 | 1/4" | 1/4" |
| PV3-14-38 | 1/4" | 3/8" |
| PV3-38-18 | 3/8" | 1/8" |
| PV3-38-14 | 3/8" | 1/4" |
| PV3-38-12 | 3/8" | 1/2" |
| PV3-12-14 | 1/2" | 1/4" |

Tech Sheet 60237

Equal Elbow



BSPT

| 0472 | Thread |
|---------|--------|
| PV10-38 | 3/8" |
| PV10-12 | 1/2" |

Tech Sheet 60237

Equal Tee



BSPT

| 0472 | Thread |
|--------|--------|
| PV7-18 | 1/8" |
| PV7-14 | 1/4" |

Tech Sheet 60237

Blanking Plug



BSPT

| 0472 | Thread |
|---------|--------|
| PV12-18 | 1/8" |
| PV12-14 | 1/4" |
| PV12-38 | 3/8" |
| PV12-12 | 1/2" |

Tech Sheet 60237

Blanking Cap



BSPT

| 0472 | Thread |
|---------|--------|
| PV13-14 | 1/4" |
| PV13-38 | 3/8" |
| PV13-12 | 1/2" |

Tech Sheet 60237



Working Temperature:
0°C to +180°C



Maximum Working Pressure:
206 bar

Pressure and temperature ratings according to ASME B16.11

Available up to 4"

90° Equal Elbow



Female Thread, NPT

| 0506 | Thread |
|-----------|--------|
| 1013-0003 | 1/2" |
| 1013-0005 | 1" |
| 1013-0008 | 2" |

Tech Sheet 68800

Equal Tee



Female Thread, NPT

| 0506 | Thread |
|-----------|--------|
| 1013-0009 | 1/4" |
| 1013-0011 | 1/2" |
| 1013-0013 | 1" |
| 1013-0016 | 2" |

Tech Sheet 68800

Equal Hexagon Nipple



Male Thread, NPT

| 0506 | Thread |
|-----------|--------|
| 1013-0025 | 1/4" |
| 1013-0027 | 1/2" |
| 1013-0028 | 3/4" |
| 1013-0029 | 1" |
| 1013-0030 | 1.1/4" |
| 1013-0032 | 2" |

Tech Sheet 68800

Equal Union



Female Thread, NPT

| 0506 | Thread |
|-----------|--------|
| 1013-0034 | 3/8" |
| 1013-0035 | 1/2" |
| 1013-0038 | 1.1/4" |
| 1013-0039 | 1.1/2" |
| 1013-0040 | 2" |

Tech Sheet 68800

Hexagon Plug

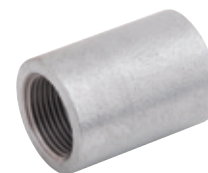


Male Thread, NPT

| 0506 | Thread |
|-----------|--------|
| 1013-0041 | 1/4" |
| 1013-0042 | 3/8" |
| 1013-0043 | 1/2" |
| 1013-0044 | 3/4" |
| 1013-0048 | 2" |

Tech Sheet 68800

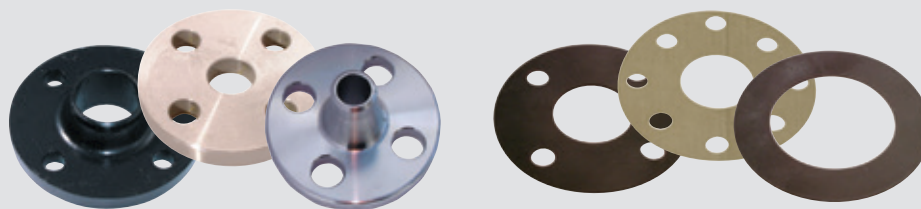
Equal Coupling



Female Thread, NPT

| 0506 | Thread |
|-----------|--------|
| 1013-0050 | 3/8" |
| 1013-0051 | 1/2" |
| 1013-0052 | 3/4" |
| 1013-0053 | 1" |
| 1013-0054 | 1.1/4" |
| 1013-0056 | 2" |

Tech Sheet 68800



For **Flanges & Gaskets**
see pages **1386-1390**

150lb 316 STAINLESS STEEL PIPE FITTINGS



stainless
steel



HAITIMA

This technical data is applicable to the full range of 316 Stainless Steel Adaptors only.

Threads: Tapered in conformity with ISO 7.1, BS 21, DIN 2999. Parallel in conformity with BS 2779, ISO 228.

Dimensions: All components are manufactured to the requirements of ASTM A-351.

The dimensions are in accordance with ANSI B16.3.

Working Temperature:
-20°C to +260°C

Working Pressure:
20 bar

Equal Cross



Female Thread, BSPP

| 1111 | Thread |
|--------|--------|
| EC-18 | 1/8" |
| EC-14 | 1/4" |
| EC-38 | 3/8" |
| EC-12 | 1/2" |
| EC-34 | 3/4" |
| EC-1 | 1" |
| EC-114 | 1.1/4" |
| EC-112 | 1.1/2" |
| EC-2 | 2" |

Tech Sheet 1800

Equal Tee



Female Thread, BSPP

| 1111 | Thread |
|--------|--------|
| ET-18 | 1/8" |
| ET-14 | 1/4" |
| ET-38 | 3/8" |
| ET-12 | 1/2" |
| ET-34 | 3/4" |
| ET-1 | 1" |
| ET-114 | 1.1/4" |
| ET-112 | 1.1/2" |
| ET-2 | 2" |
| ET-212 | 2.1/2" |
| ET-3 | 3" |
| ET-4 | 4" |

Tech Sheet 1799

Straight Hose Tails



Male Thread, BSPT

| 1111 | Thread | To Suit Hose ID |
|----------|--------|-----------------|
| HT-18-06 | 1/8" | 1/4" (6mm) |
| HT-14 | 1/4" | 1/4" (6mm) |
| HT-14-08 | 1/4" | 5/16" (8mm) |
| HT-14-10 | 1/4" | 3/8" (10mm) |
| HT-14-13 | 1/4" | 1/2" (13mm) |
| HT-38-08 | 3/8" | 5/16" (8mm) |
| HT-38 | 3/8" | 3/8" (10mm) |
| HT-38-13 | 3/8" | 1/2" (13mm) |
| HT-12-06 | 1/2" | 1/4" (6mm) |
| HT-12-10 | 1/2" | 3/8" (10mm) |
| HT-12 | 1/2" | 1/2" (13mm) |
| HT-12-19 | 1/2" | 3/4" (19mm) |
| HT-12-25 | 1/2" | 1" (25mm) |
| HT-12-16 | 1/2" | 5/8" |
| HT-34-13 | 3/4" | 1/2" (13mm) |
| HT-34 | 3/4" | 3/4" (19mm) |
| HT-1-19 | 1" | 3/4" (19mm) |
| HT-1 | 1" | 1" (25mm) |
| HT-1-31 | 1" | 1.1/4" (31mm) |
| HT-114 | 1.1/4" | 1.1/4" (31mm) |
| HT-112 | 1.1/2" | 1.1/2" (38mm) |
| HT-2 | 2" | 2" (50mm) |
| HT-212 | 2.1/2" | 2.1/2" (63mm) |
| HT-3 | 3" | 3" (75mm) |
| HT-4 | 4" | 4" (100mm) |

Tech Sheet 1795



Female Fixed Thread, BSPP

| 1111 | Thread | To Suit Hose ID |
|-----------|--------|-----------------|
| SFHT10/06 | 1/8" | 6mm (1/4") |
| SFHT13/06 | 1/4" | 6mm (1/4") |
| SFHT13/09 | 1/4" | 9mm (3/8") |
| SFHT17/10 | 3/8" | 10mm (3/8") |
| SFHT21/13 | 1/2" | 13mm (1/2") |
| SFHT26/19 | 3/4" | 19mm (3/4") |
| SFHT33/25 | 1" | 25mm (1") |
| SFHT42/32 | 1.1/4" | 32mm (1.1/4") |
| SFHT48/38 | 1.1/2" | 38mm (1.1/2") |
| SFHT52/51 | 2" | 51mm (2") |

Tech Sheet 2077

Equal Hose Joiner



| 1111 | To Suit Hose ID |
|---------|-----------------|
| DS06-SS | 1/4" (6mm) |
| DS08-SS | 5/16" (8mm) |
| DS10-SS | 3/8" (10mm) |
| DS13-SS | 1/2" (13mm) |

Tech Sheet 20778



Swivel Female Thread, 60° Coned Seat, BSPP

| 1111 | Thread | To Suit Hose ID |
|-----------|--------|-----------------|
| FH13/14SS | 1/4" | 1/4" (6mm) |
| FH17/38SS | 3/8" | 3/8" (10mm) |
| FH21/12SS | 1/2" | 1/2" (13mm) |
| FH26/34SS | 3/4" | 3/4" (19mm) |
| FH33/19SS | 1" | 3/4" |
| FH48/38SS | 1.1/2" | 1.1/2" |
| FH52/50SS | 2" | 2" |

Tech Sheet 20779

Barrel Nipple



Male Thread, BSPT

| 1111 | Thread | Length mm |
|----------|--------|-----------|
| BN-18X30 | 1/8" | 30 |
| BN-18 | 1/8" | 40 |
| BN-14 | 1/4" | 40 |
| BN-14X80 | 1/4" | 80 |
| BN-38 | 3/8" | 40 |
| BN-38X80 | 3/8" | 80 |
| BN-12 | 1/2" | 60 |
| BN-12X80 | 1/2" | 80 |
| BN-34 | 3/4" | 60 |
| BN-34X80 | 3/4" | 80 |
| BN-1 | 1" | 60 |
| BN-1X100 | 1" | 100 |
| BN-1X150 | 1" | 150 |
| BN-114 | 1.1/4" | 80 |
| BN-112 | 1.1/2" | 80 |
| BN-2 | 2" | 100 |
| BN-212 | 2.1/2" | 100 |
| BN-3 | 3" | 120 |
| BN-4 | 4" | 120 |

Tech Sheet 1803



For Stainless Steel 304 & 316 see section 10 page 1225

Many of our products are produced in stainless steel (304 or 316) so if that is your focus and to simplify product selection, we have all our products regardless of type or application grouped in **section 10** (coded yellow) of our catalogue.

Food safety starts with rigorous hygiene and nickel-containing stainless steels are the superior, reliable standard at every link of the food and industry supply chain. Though it may not be inherently antimicrobial, stainless steel, particularly 304 or 316 stainless steels, are one of the best materials to use in a food and beverage processing environment.

Industries

- Food
- Brewing
- Transport
- Pharmaceuticals
- Chemicals

Stainless steel is commonly used in the food industry because of its non-toxicity and ease of cleaning. This material does not react chemically with other substances and can be cleaned with high temperatures. In the process of disinfection, we can also use most of the available detergents. Stainless steel is not absorbent and after rinsing its surface with water, you can freely use it for food processing. This material is extremely durable and does not require regular and expensive maintenance. Although stainless steel can be slightly more expensive than other raw materials, it is an excellent compromise between the interests of the consumer and manufacturer.



150lb 316 STAINLESS STEEL PIPE FITTINGS

stainless
steel



9.03 Adaptors

Close Nipple



Male Thread, BSPP

| 1111 | Thread |
|---------|--------|
| CPN-14 | 1/4" |
| CPN-38 | 3/8" |
| CPN-12 | 1/2" |
| CPN-34 | 3/4" |
| CPN-1 | 1" |
| CPN-114 | 1.1/4" |
| CPN-112 | 1.1/2" |
| CPN-2 | 2" |
| CPN-212 | 2.1/2" |

Tech Sheet 1801

Female Reducing Socket



Female Thread, BSPP

| 1111 | Thread | Thread |
|-------------|--------|--------|
| FRS-14-18 | 1/4" | 1/8" |
| FRS-38-14 | 3/8" | 1/4" |
| FRS-38-18 | 3/8" | 1/8" |
| FRS-12-38 | 1/2" | 3/8" |
| FRS-12-14 | 1/2" | 1/4" |
| FRS-12-18 | 1/2" | 1/8" |
| FRS-34-14 | 3/4" | 1/4" |
| FRS-34-12 | 3/4" | 1/2" |
| FRS-34-38 | 3/4" | 3/8" |
| FRS-1-34 | 1" | 3/4" |
| FRS-1-14 | 1" | 1/4" |
| FRS-1-38 | 1" | 3/8" |
| FRS-1-12 | 1" | 1/2" |
| FRS-114-1 | 1.1/4" | 1" |
| FRS-114-12 | 1.1/4" | 1/2" |
| FRS-114-34 | 1.1/4" | 3/4" |
| FRS-112-1 | 1.1/2" | 1" |
| FRS-112-34 | 1.1/2" | 3/4" |
| FRS-112-114 | 1.1/2" | 1.1/4" |
| FRS-2-34 | 2" | 3/4" |
| FRS-2-1 | 2" | 1" |
| FRS-2-112 | 2" | 1.1/2" |
| FRS-2-114 | 2" | 1.1/4" |
| FRS-212-114 | 2.1/2" | 1.1/4" |
| FRS-212-2 | 2.1/2" | 2" |
| FRS-3-114 | 3" | 1.1/4" |
| FRS-3-2 | 3" | 2" |
| FRS-3-212 | 3" | 2.1/2" |
| FRS-4-2 | 4" | 2" |
| FRS-4-3 | 4" | 3" |

Tech Sheet 1802

45° Equal Elbow



Female Thread, BSPP

| 1111 | Thread |
|--------|--------|
| OE-18 | 1/8" |
| OE-14 | 1/4" |
| OE-38 | 3/8" |
| OE-12 | 1/2" |
| OE-34 | 3/4" |
| OE-1 | 1" |
| OE-114 | 1.1/4" |
| OE-112 | 1.1/2" |
| OE-2 | 2" |
| OE-212 | 2.1/2" |
| OE-3 | 3" |
| OE-4 | 4" |

Tech Sheet 1796

45° Equal Bracket Elbow



Female Thread, BSPP

| 1111 | Thread |
|--------|--------|
| WEP-12 | 1/2" |

Tech Sheet 1797

90° Equal Elbow



Female Thread, BSPP

| 1111 | Thread |
|--------|--------|
| EE-18 | 1/8" |
| EE-14 | 1/4" |
| EE-38 | 3/8" |
| EE-12 | 1/2" |
| EE-34 | 3/4" |
| EE-1 | 1" |
| EE-114 | 1.1/4" |
| EE-112 | 1.1/2" |
| EE-2 | 2" |
| EE-212 | 2.1/2" |
| EE-3 | 3" |
| EE-4 | 4" |

Tech Sheet 1797

90° Street Elbow



Male Thread, BSPT x Female Thread, BSPP

| 1111 | Male Thread | Female Thread |
|--------|-------------|---------------|
| SE-18 | 1/8" | 1/8" |
| SE-14 | 1/4" | 1/4" |
| SE-38 | 3/8" | 3/8" |
| SE-12 | 1/2" | 1/2" |
| SE-34 | 3/4" | 3/4" |
| SE-1 | 1" | 1" |
| SE-114 | 1.1/4" | 1.1/4" |
| SE-112 | 1.1/2" | 1.1/2" |
| SE-2 | 2" | 2" |
| SE-212 | 2.1/2" | 2.1/2" |
| SE-3 | 3" | 3" |
| SE-4 | 4" | 4" |

Tech Sheet 1798

Equal Nipple



Male Thread, BSPT

| 1111 | Thread |
|--------|--------|
| HN-18 | 1/8" |
| HN-14 | 1/4" |
| HN-38 | 3/8" |
| HN-12 | 1/2" |
| HN-34 | 3/4" |
| HN-1 | 1" |
| HN-114 | 1.1/4" |
| HN-112 | 1.1/2" |
| HN-2 | 2" |
| HN-212 | 2.1/2" |
| HN-3 | 3" |
| HN-4 | 4" |

Tech Sheet 1804

Male Thread, NPT

| 1111 | Thread |
|-------------|--------|
| NPT62001010 | 1/8" |
| NPT62001313 | 1/4" |
| NPT62001717 | 3/8" |
| NPT62002121 | 1/2" |
| NPT62002727 | 3/4" |
| NPT62003232 | 1" |
| NPT62004242 | 1.1/4" |
| NPT62004848 | 1.1/2" |
| NPT62006060 | 2" |
| NPT62007676 | 2.1/2" |
| NPT62008989 | 3" |
| NPT62000114 | 4" |

Tech Sheet 1804



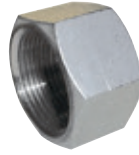
Hose Tails, Adaptors, Fittings & Manifolds

150lb 316 STAINLESS STEEL PIPE FITTINGS

stainless
steel



Hexagon Blanking Cap



Female Thread, BSPP

| 1111 | Thread |
|---------|--------|
| HBC-18 | 1/8" |
| HBC-14 | 1/4" |
| HBC-38 | 3/8" |
| HBC-12 | 1/2" |
| HBC-34 | 3/4" |
| HBC-1 | 1" |
| HBC-114 | 1.1/4" |
| HBC-112 | 1.1/2" |
| HBC-2 | 2" |
| HBC-212 | 2.1/2" |
| HBC-3 | 3" |
| HBC-4 | 4" |

Tech Sheet 1805

Blanking Plug



Male Thread, BSPT

| 1111 | Thread |
|--------|--------|
| HP-18 | 1/8" |
| HP-14 | 1/4" |
| HP-38 | 3/8" |
| HP-12 | 1/2" |
| HP-34 | 3/4" |
| HP-1 | 1" |
| HP-114 | 1.1/4" |
| HP-112 | 1.1/2" |
| HP-2 | 2" |
| HP-212 | 2.1/2" |
| HP-3 | 3" |

Tech Sheet 1806

Male Thread, NPT

| 1111 | Thread |
|-------------|--------|
| NPT62181000 | 1/8" |
| NPT62181300 | 1/4" |
| NPT62181700 | 3/8" |
| NPT62182100 | 1/2" |
| NPT62182700 | 3/4" |
| NPT62183200 | 1" |
| NPT62184200 | 1.1/4" |
| NPT62184800 | 1.1/2" |
| NPT62186000 | 2" |
| NPT62187600 | 2.1/2" |
| NPT62188900 | 3" |

Tech Sheet 1808

Female Union



Female Thread, BSPP (2 Piece)

| 1111 | Thread |
|--------|--------|
| HU-18 | 1/8" |
| HU-14 | 1/4" |
| HU-38 | 3/8" |
| HU-12 | 1/2" |
| HU-34 | 3/4" |
| HU-1 | 1" |
| HU-114 | 1.1/4" |
| HU-112 | 1.1/2" |
| HU-2 | 2" |
| HU-212 | 2.1/2" |
| HU-3 | 3" |
| HU-4 | 4" |

Tech Sheet 1807

Male/Female Union



Male Thread, BSPT x Female Thread, BSPP (2 Piece)

| 1111 | Thread |
|---------|--------|
| MFU-14 | 1/4" |
| MFU-38 | 3/8" |
| MFU-12 | 1/2" |
| MFU-34 | 3/4" |
| MFU-1 | 1" |
| MFU-114 | 1.1/4" |
| MFU-112 | 1.1/2" |
| MFU-2 | 2" |
| MFU-4 | 4" |

Tech Sheet 1808

Lock Nut



Female Thread, BSPP

| 1111 | Thread |
|--------|--------|
| LN-18 | 1/8" |
| LN-14 | 1/4" |
| LN-38 | 3/8" |
| LN-12 | 1/2" |
| LN-34 | 3/4" |
| LN-1 | 1" |
| LN-114 | 1.1/4" |
| LN-112 | 1.1/2" |
| LN-2 | 2" |
| LN-212 | 2.1/2" |
| LN-3 | 3" |
| LN-4 | 4" |

Tech Sheet 1809

Reducing Bush



Male Thread, BSPT x Female Thread, BSPP

| 1111 | Male Thread | Female Thread |
|------------|-------------|---------------|
| RB-14-18 | 1/4" | 1/8" |
| RB-38-14 | 3/8" | 1/4" |
| RB-38-18 | 3/8" | 1/8" |
| RB-12-14 | 1/2" | 1/4" |
| RB-12-18 | 1/2" | 1/8" |
| RB-12-38 | 1/2" | 3/8" |
| RB-34-12 | 3/4" | 1/2" |
| RB-34-14 | 3/4" | 1/4" |
| RB-34-18 | 3/4" | 1/8" |
| RB-34-38 | 3/4" | 3/8" |
| RB-1-12 | 1" | 1/2" |
| RB-1-14 | 1" | 1/4" |
| RB-1-34 | 1" | 3/4" |
| RB-1-38 | 1" | 3/8" |
| RB-114-1 | 1.1/4" | 1" |
| RB-114-12 | 1.1/4" | 1/2" |
| RB-114-34 | 1.1/4" | 3/4" |
| RB-112-1 | 1.1/2" | 1" |
| RB-112-12 | 1.1/2" | 1/2" |
| RB-112-34 | 1.1/2" | 3/4" |
| RB-112-114 | 1.1/2" | 1.1/4" |
| RB-2-1 | 2" | 1" |
| RB-2-34 | 2" | 3/4" |
| RB-2-112 | 2" | 1.1/2" |
| RB-2-114 | 2" | 1.1/4" |
| RB-212-1 | 2.1/2" | 1" |
| RB-212-2 | 2.1/2" | 2" |
| RB-212-112 | 2.1/2" | 1.1/2" |
| RB-212-114 | 2.1/2" | 1.1/4" |
| RB-3-1 | 3" | 1" |
| RB-3-112 | 3" | 1.1/2" |
| RB-3-2 | 3" | 2" |
| RB-3-212 | 3" | 2.1/2" |
| RB-4-3 | 4" | 3" |

Tech Sheet 1810

Male Thread, NPTF x Female Thread, NPTF

| 1111 | Male Thread | Female Thread |
|-------------|-------------|---------------|
| NPT62041310 | 1/4" | 1/8" |
| NPT62041713 | 3/8" | 1/4" |
| NPT62042117 | 1/2" | 3/8" |
| NPT62042721 | 3/4" | 1/2" |
| NPT62043227 | 1" | 3/4" |
| NPT62044232 | 1.1/4" | 1" |
| NPT62044842 | 1.1/2" | 1.1/4" |
| NPT62046048 | 2" | 1.1/2" |
| NPT62047660 | 2.1/2" | 2" |
| NPT62048976 | 3" | 2.1/2" |



150lb 316 STAINLESS STEEL PIPE FITTINGS

stainless
steel



9.03 Adaptors

Reducing Nipple



Male Thread, BSPT

| 1111 | Thread | Thread |
|-------------|--------|--------|
| RHN-14-18 | 1/4" | 1/8" |
| RHN-12-14 | 1/2" | 1/4" |
| RHN-12-18 | 1/2" | 1/8" |
| RHN-12-38 | 1/2" | 3/8" |
| RHN-38-14 | 3/8" | 1/4" |
| RHN-38-18 | 3/8" | 1/8" |
| RHN-34-12 | 3/4" | 1/2" |
| RHN-34-14 | 3/4" | 1/4" |
| RHN-34-18 | 3/4" | 1/8" |
| RHN-34-38 | 3/4" | 3/8" |
| RHN-1-12 | 1" | 1/2" |
| RHN-1-14 | 1" | 1/4" |
| RHN-1-34 | 1" | 3/4" |
| RHN-1-38 | 1" | 3/8" |
| RHN-114-1 | 1.1/4" | 1" |
| RHN-114-12 | 1.1/4" | 1/2" |
| RHN-114-34 | 1.1/4" | 3/4" |
| RHN-112-1 | 1.1/2" | 1" |
| RHN-112-12 | 1.1/2" | 1/2" |
| RHN-112-34 | 1.1/2" | 3/4" |
| RHN-112-114 | 1.1/2" | 1.1/4" |
| RHN-2-1 | 2" | 1" |
| RHN-2-12 | 2" | 1/2" |
| RHN-2-34 | 2" | 3/4" |
| RHN-2-112 | 2" | 1.1/2" |
| RHN-2-114 | 2" | 1.1/4" |
| RHN-3-2 | 3" | 2" |

Tech Sheet 1811

Welding Nipple



Male Thread, BSPT

| 1111 | Thread | Length mm |
|--------|--------|-----------|
| WN-18 | 1/8" | 30 |
| WN-14 | 1/4" | 30 |
| WN-38 | 3/8" | 30 |
| WN-12 | 1/2" | 35 |
| WN-34 | 3/4" | 40 |
| WN-1 | 1" | 40 |
| WN-114 | 1.1/4" | 50 |
| WN-112 | 1.1/2" | 50 |
| WN-2 | 2" | 50 |
| WN-212 | 2.1/2" | 60 |
| WN-3 | 3" | 70 |
| WN-4 | 4" | 80 |

Tech Sheet 1813

Square Head Plug



Male Thread, BSPT

| 1111 | Thread |
|--------|--------|
| SP-18 | 1/8" |
| SP-14 | 1/4" |
| SP-38 | 3/8" |
| SP-12 | 1/2" |
| SP-34 | 3/4" |
| SP-1 | 1" |
| SP-114 | 1.1/4" |
| SP-112 | 1.1/2" |
| SP-2 | 2" |
| SP-212 | 2.1/2" |
| SP-3 | 3" |

Tech Sheet 1814

Round Blanking Cap



Female Thread, BSPP

| 1111 | Thread |
|--------|--------|
| RC-18 | 1/8" |
| RC-14 | 1/4" |
| RC-38 | 3/8" |
| RC-12 | 1/2" |
| RC-34 | 3/4" |
| RC-1 | 1" |
| RC-114 | 1.1/4" |
| RC-112 | 1.1/2" |
| RC-2 | 2" |
| RC-212 | 2.1/2" |
| RC-3 | 3" |

Tech Sheet 1812

Threaded Half Socket



Female Thread, BSPP

| 1111 | Thread |
|--------|--------|
| HS-18 | 1/8" |
| HS-14 | 1/4" |
| HS-38 | 3/8" |
| HS-12 | 1/2" |
| HS-34 | 3/4" |
| HS-1 | 1" |
| HS-114 | 1.1/4" |
| HS-112 | 1.1/2" |
| HS-2 | 2" |
| HS-212 | 2.1/2" |
| HS-3 | 3" |
| HS-4 | 4" |

Tech Sheet 1816

Threaded Full Socket



Female Thread, BSPP

| 1111 | Thread |
|--------|--------|
| FS-18 | 1/8" |
| FS-14 | 1/4" |
| FS-38 | 3/8" |
| FS-12 | 1/2" |
| FS-34 | 3/4" |
| FS-1 | 1" |
| FS-114 | 1.1/4" |
| FS-112 | 1.1/2" |
| FS-2 | 2" |
| FS-212 | 2.1/2" |
| FS-3 | 3" |
| FS-4 | 4" |

Tech Sheet 1815

Female Thread, NPT

| 1111 | Thread |
|-------------|--------|
| NPT62061010 | 1/8" |
| NPT62061313 | 1/4" |
| NPT62061717 | 3/8" |
| NPT62062121 | 1/2" |
| NPT62062727 | 3/4" |
| NPT62063232 | 1" |
| NPT62064242 | 1.1/4" |
| NPT62064848 | 1.1/2" |
| NPT62066060 | 2" |
| NPT62067676 | 2.1/2" |
| NPT62068989 | 3" |
| NPT62060114 | 4" |

316 Stainless Steel Tube

Seamless schedule 40 ASTM A312/AMSE SA312-A530.
Conforms to NACE standard MR-01-75,
Din50049-3.1.B.

N.B. Delivery may take up to
48 hours.



3 Metre Lengths, Random

| 0214 | NB | Wall Thickness mm |
|-----------|--------|-------------------|
| 2028-5839 | 1/8" | 1.73 |
| 2028-5854 | 1/4" | 2.24 |
| 2028-5862 | 3/8" | 2.31 |
| 2028-5870 | 1/2" | 2.77 |
| 2028-5953 | 3/4" | 2.87 |
| 2028-5961 | 1" | 3.38 |
| 2028-5979 | 1.1/4" | 3.56 |
| 2028-5987 | 1.1/2" | 3.68 |
| 2028-5995 | 2" | 3.91 |

Tech Sheet 831



Hose Tails, Adaptors, Fittings & Manifolds

3000lb 316 STAINLESS STEEL PIPE FITTINGS

stainless
steel

FT PRO®

- ASTM A182 316/L stainless steel
- Dimensions to ANSI B16.11/BS3799
- Sizes 1/4" to 2"
- NPT threaded to ANSI B2.1
- BSPT threaded to ISO 7/1
- Pressure/temperature ratings according to BS 3799
- Pressure rating performance will vary depending on temperature.

 Working Temperature:
-100°C to +525°C

 Maximum Working
Pressure:
207 bar

90° Equal Female Elbow



NPT

| 0434 | Thread |
|-----------|--------|
| 1012-0001 | 1/4" |
| 1012-0002 | 3/8" |
| 1012-0003 | 1/2" |
| 1012-0004 | 3/4" |
| 1012-0005 | 1" |
| 1012-0006 | 1.1/4" |
| 1012-0007 | 1.1/2" |
| 1012-0008 | 2" |

Tech Sheet 20506

90° Equal Male/
Female Street Elbow

NPT

| 0434 | Thread |
|-----------|--------|
| 1012-0041 | 1/4" |
| 1012-0042 | 3/8" |
| 1012-0043 | 1/2" |
| 1012-0044 | 3/4" |
| 1012-0045 | 1" |
| 1012-0046 | 1.1/4" |
| 1012-0047 | 1.1/2" |
| 1012-0048 | 2" |

Tech Sheet 20515

Equal Tee



NPT

| 0434 | Thread |
|-----------|--------|
| 1012-0049 | 1/4" |
| 1012-0050 | 3/8" |
| 1012-0051 | 1/2" |
| 1012-0052 | 3/4" |
| 1012-0053 | 1" |
| 1012-0054 | 1.1/4" |
| 1012-0055 | 1.1/2" |
| 1012-0056 | 2" |

Tech Sheet 20516

BSPT

| 0434 | Thread |
|-----------|--------|
| 1012-0009 | 1/4" |
| 1012-0010 | 3/8" |
| 1012-0011 | 1/2" |
| 1012-0012 | 3/4" |
| 1012-0013 | 1" |
| 1012-0014 | 1.1/4" |
| 1012-0016 | 2" |

Tech Sheet 20494

45° Equal Female Elbow



NPT

| 0434 | Thread |
|-----------|--------|
| 1012-0025 | 1/4" |
| 1012-0027 | 1/2" |
| 1012-0028 | 3/4" |
| 1012-0029 | 1" |
| 1012-0030 | 1.1/4" |
| 1012-0031 | 1.1/2" |
| 1012-0032 | 2" |

Tech Sheet 20505

BSPT

| 0434 | Thread |
|-----------|--------|
| 1012-0057 | 1/4" |
| 1012-0058 | 3/8" |
| 1012-0059 | 1/2" |
| 1012-0060 | 3/4" |
| 1012-0061 | 1" |
| 1012-0062 | 1.1/4" |
| 1012-0063 | 1.1/2" |
| 1012-0064 | 2" |

Tech Sheet 20495

Socket Weld

| 0434 | NB |
|-----------|--------|
| 1012-0017 | 1/4" |
| 1012-0018 | 3/8" |
| 1012-0019 | 1/2" |
| 1012-0021 | 1" |
| 1012-0022 | 1.1/4" |
| 1012-0023 | 1.1/2" |
| 1012-0024 | 2" |

Tech Sheet 20521



Socket Weld

| 0434 | NB |
|-----------|--------|
| 1012-0033 | 1/4" |
| 1012-0034 | 3/8" |
| 1012-0035 | 1/2" |
| 1012-0036 | 3/4" |
| 1012-0037 | 1" |
| 1012-0038 | 1.1/4" |
| 1012-0039 | 1.1/2" |

Tech Sheet 20520

Socket Weld

| 0434 | NB |
|-----------|--------|
| 1012-0065 | 1/4" |
| 1012-0066 | 3/8" |
| 1012-0067 | 1/2" |
| 1012-0068 | 3/4" |
| 1012-0069 | 1" |
| 1012-0070 | 1.1/4" |
| 1012-0071 | 1.1/2" |
| 1012-0072 | 2" |

Tech Sheet 20526



- ASTM A182 316/L stainless steel
- Dimensions to ANSI B16.11/BS3799
- Sizes 1/4" to 2"
- NPT threaded to ANSI B2.1
- BSPT threaded to ISO 7/1
- Pressure/temperature ratings according to BS 3799
- Pressure rating performance will vary depending on temperature.

 **Working Temperature:**
-100°C to +525°C

 **Maximum Working Pressure:**
207 bar

Equal Cross



NPT

| 0434 | Thread |
|-----------|--------|
| 1012-0073 | 1/4" |
| 1012-0074 | 3/8" |
| 1012-0075 | 1/2" |
| 1012-0076 | 3/4" |
| 1012-0077 | 1" |
| 1012-0078 | 1.1/4" |
| 1012-0079 | 1.1/2" |
| 1012-0080 | 2" |

Tech Sheet 20504



Socket Weld

| 0434 | NB |
|-----------|--------|
| 1012-0082 | 3/8" |
| 1012-0083 | 1/2" |
| 1012-0084 | 3/4" |
| 1012-0085 | 1" |
| 1012-0086 | 1.1/4" |
| 1012-0087 | 1.1/2" |
| 1012-0088 | 2" |

Tech Sheet 20519

Male / Female Union



NPT

| 0434 | Thread |
|-----------|--------|
| 1012-0089 | 1/4" |
| 1012-0090 | 3/8" |
| 1012-0091 | 1/2" |
| 1012-0092 | 3/4" |
| 1012-0093 | 1" |
| 1012-0094 | 1.1/4" |
| 1012-0095 | 1.1/2" |
| 1012-0096 | 2" |

Tech Sheet 20518

Female Union



NPT

| 0434 | Thread |
|-----------|--------|
| 1012-0097 | 1/4" |
| 1012-0098 | 3/8" |
| 1012-0099 | 1/2" |
| 1012-0100 | 3/4" |
| 1012-0101 | 1" |
| 1012-0102 | 1.1/4" |
| 1012-0103 | 1.1/2" |
| 1012-0104 | 2" |

Tech Sheet 20517

BSPT

| 0434 | Thread |
|-----------|--------|
| 1012-0106 | 3/8" |
| 1012-0107 | 1/2" |
| 1012-0108 | 3/4" |
| 1012-0109 | 1" |
| 1012-0110 | 1.1/4" |
| 1012-0111 | 1.1/2" |
| 1012-0112 | 2" |

Tech Sheet 20500



Socket Weld

| 0434 | NB |
|-----------|--------|
| 1012-0113 | 1/4" |
| 1012-0114 | 3/8" |
| 1012-0115 | 1/2" |
| 1012-0116 | 3/4" |
| 1012-0117 | 1" |
| 1012-0118 | 1.1/4" |
| 1012-0119 | 1.1/2" |
| 1012-0120 | 2" |

Tech Sheet 20527

Male Hex Nipple



NPT

| 0434 | Thread |
|-----------|--------|
| 1012-0121 | 1/4" |
| 1012-0122 | 3/8" |
| 1012-0123 | 1/2" |
| 1012-0124 | 3/4" |
| 1012-0125 | 1" |
| 1012-0126 | 1.1/4" |
| 1012-0127 | 1.1/2" |
| 1012-0128 | 2" |

Tech Sheet 20509

BSPT

| 0434 | Thread |
|-----------|--------|
| 1012-0129 | 1/4" |
| 1012-0130 | 3/8" |
| 1012-0131 | 1/2" |
| 1012-0132 | 3/4" |
| 1012-0133 | 1" |
| 1012-0134 | 1.1/4" |
| 1012-0135 | 1.1/2" |
| 1012-0136 | 2" |

Tech Sheet 20498

Male Barrel Nipple



NPT

| 0434 | Thread | Length mm |
|-----------|--------|-----------|
| 1012-0137 | 1/4" | 30 |
| 1012-0138 | 3/8" | 40 |
| 1012-0139 | 1/2" | 60 |
| 1012-0140 | 3/4" | 60 |
| 1012-0141 | 1" | 60 |
| 1012-0142 | 1.1/4" | 80 |
| 1012-0143 | 1.1/2" | 80 |
| 1012-0144 | 2" | 100 |

Tech Sheet 20503

3000lb 316 STAINLESS STEEL PIPE FITTINGS



- ASTM A182 316/L stainless steel
- Dimensions to ANSI B16.11/BS3799
- Sizes 1/4" to 2"
- NPT threaded to ANSI B2.1
- BSPT threaded to ISO 7/1

- Pressure/temperature ratings according to BS 3799
- Pressure rating performance will vary depending on temperature.

Working Temperature:
-100°C to +525°C

Maximum Working Pressure:
207 bar

Male Hex Reducing Nipple



BSPT

| 0434 | Thread | Thread |
|-----------|--------|--------|
| 1012-0166 | 1/4" | 1/8" |
| 1012-0167 | 3/8" | 1/8" |
| 1012-0168 | 1/2" | 1/4" |
| 1012-0169 | 1/2" | 3/8" |
| 1012-0170 | 3/4" | 3/8" |
| 1012-0171 | 3/4" | 1/2" |
| 1012-0172 | 1" | 1/2" |
| 1012-0173 | 1" | 3/4" |
| 1012-0174 | 1.1/4" | 3/4" |
| 1012-0175 | 1.1/4" | 1" |
| 1012-0176 | 1.1/2" | 1" |
| 1012-0177 | 1.1/2" | 1.1/4" |
| 1012-0178 | 2" | 1" |
| 1012-0179 | 2" | 1.1/4" |
| 1012-0180 | 2" | 1.1/2" |

Tech Sheet 20499

NPT

| 0434 | Thread | Thread |
|-----------|--------|--------|
| 1012-0145 | 1/4" | 1/8" |
| 1012-0146 | 3/8" | 1/8" |
| 1012-0147 | 3/8" | 1/4" |
| 1012-0148 | 1/2" | 1/8" |
| 1012-0149 | 1/2" | 1/4" |
| 1012-0150 | 1/2" | 3/8" |
| 1012-0151 | 3/4" | 1/4" |
| 1012-0152 | 3/4" | 3/8" |
| 1012-0153 | 3/4" | 1/2" |
| 1012-0154 | 1" | 3/8" |
| 1012-0155 | 1" | 1/2" |
| 1012-0156 | 1" | 3/4" |
| 1012-0157 | 1.1/4" | 1/2" |
| 1012-0158 | 1.1/4" | 3/4" |
| 1012-0159 | 1.1/4" | 1" |
| 1012-0160 | 1.1/2" | 3/4" |
| 1012-0161 | 1.1/2" | 1" |
| 1012-0162 | 1.1/2" | 1.1/4" |
| 1012-0163 | 2" | 1" |
| 1012-0164 | 2" | 1.1/4" |
| 1012-0165 | 2" | 1.1/2" |

Tech Sheet 20513

Full Coupling



NPT

| 0434 | Thread |
|-----------|--------|
| 1012-0181 | 1/4" |
| 1012-0182 | 3/8" |
| 1012-0183 | 1/2" |
| 1012-0184 | 3/4" |
| 1012-0185 | 1" |
| 1012-0186 | 1.1/4" |
| 1012-0187 | 1.1/2" |
| 1012-0188 | 2" |

Tech Sheet 20507

BSPT

| 0434 | Thread |
|-----------|--------|
| 1012-0189 | 1/4" |
| 1012-0190 | 3/8" |
| 1012-0191 | 1/2" |
| 1012-0192 | 3/4" |
| 1012-0193 | 1" |
| 1012-0194 | 1.1/4" |
| 1012-0195 | 1.1/2" |
| 1012-0196 | 2" |

Tech Sheet 20496

Socket Weld

| 0434 | NB |
|-----------|--------|
| 1012-0197 | 1/4" |
| 1012-0198 | 3/8" |
| 1012-0199 | 1/2" |
| 1012-0200 | 3/4" |
| 1012-0201 | 1" |
| 1012-0202 | 1.1/4" |
| 1012-0203 | 1.1/2" |
| 1012-0204 | 2" |

Tech Sheet 20522

Half Coupling



NPT

| 0434 | Thread |
|-----------|--------|
| 1012-0205 | 1/4" |
| 1012-0206 | 3/8" |
| 1012-0208 | 3/4" |
| 1012-0209 | 1" |
| 1012-0210 | 1.1/4" |
| 1012-0211 | 1.1/2" |
| 1012-0212 | 2" |

Tech Sheet 20508

BSPT

| 0434 | Thread |
|-----------|--------|
| 1012-0213 | 1/4" |
| 1012-0214 | 3/8" |
| 1012-0215 | 1/2" |
| 1012-0216 | 3/4" |
| 1012-0217 | 1" |
| 1012-0218 | 1.1/4" |
| 1012-0219 | 1.1/2" |
| 1012-0220 | 2" |

Tech Sheet 20497

Socket Weld

| 0434 | NB |
|-----------|--------|
| 1012-0221 | 1/4" |
| 1012-0222 | 3/8" |
| 1012-0223 | 1/2" |
| 1012-0224 | 3/4" |
| 1012-0225 | 1" |
| 1012-0226 | 1.1/4" |
| 1012-0228 | 2" |

Tech Sheet 20523

3000lb 316 STAINLESS STEEL PIPE FITTINGS

stainless
steel



- ASTM A182 316/L stainless steel
- Dimensions to ANSI B16.11/BS3799
- Sizes 1/4" to 2"
- NPT threaded to ANSI B2.1
- BSPT threaded to ISO 7/1
- Pressure/temperature ratings according to BS 3799
- Pressure rating performance will vary depending on temperature.

Working Temperature:
-100°C to +525°C

Maximum Working Pressure:
207 bar

Reducing Coupling



NPT

| 0434 | Thread | Thread |
|-----------|--------|--------|
| 1012-0229 | 1/4" | 1/8" |
| 1012-0231 | 1/2" | 1/4" |
| 1012-0232 | 1/2" | 3/8" |
| 1012-0233 | 3/4" | 3/8" |
| 1012-0234 | 3/4" | 1/2" |
| 1012-0235 | 1" | 1/2" |
| 1012-0236 | 1" | 3/4" |
| 1012-0237 | 1.1/4" | 3/4" |
| 1012-0238 | 1.1/4" | 1" |
| 1012-0239 | 1.1/2" | 1" |
| 1012-0240 | 1.1/2" | 1.1/4" |
| 1012-0241 | 2" | 1" |
| 1012-0242 | 2" | 1.1/4" |
| 1012-0243 | 2" | 1.1/2" |

Tech Sheet 20512



Socket Weld

| 0434 | NB | NB |
|-----------|--------|--------|
| 1012-0244 | 1/4" | 1/8" |
| 1012-0245 | 3/8" | 1/4" |
| 1012-0246 | 1/2" | 1/4" |
| 1012-0247 | 1/2" | 3/8" |
| 1012-0248 | 3/4" | 3/8" |
| 1012-0249 | 3/4" | 1/2" |
| 1012-0250 | 1" | 1/2" |
| 1012-0252 | 1.1/4" | 1" |
| 1012-0253 | 1.1/2" | 1" |
| 1012-0254 | 1.1/2" | 1.1/4" |
| 1012-0255 | 2" | 1" |
| 1012-0256 | 2" | 1.1/4" |
| 1012-0257 | 2" | 1.1/2" |

Tech Sheet 20524

Reducing Bush



NPT

| 0434 | Thread | Thread |
|-----------|--------|--------|
| 1012-0258 | 1/4" | 1/8" |
| 1012-0259 | 3/8" | 1/8" |
| 1012-0260 | 3/8" | 1/4" |
| 1012-0261 | 1/2" | 1/8" |
| 1012-0262 | 1/2" | 1/4" |
| 1012-0263 | 1/2" | 3/8" |
| 1012-0264 | 3/4" | 1/4" |
| 1012-0265 | 3/4" | 3/8" |
| 1012-0266 | 3/4" | 1/2" |
| 1012-0267 | 1" | 1/4" |
| 1012-0268 | 1" | 3/8" |
| 1012-0269 | 1" | 1/2" |
| 1012-0270 | 1" | 3/4" |
| 1012-0271 | 1.1/4" | 1/2" |
| 1012-0272 | 1.1/4" | 3/4" |
| 1012-0273 | 1.1/4" | 1" |
| 1012-0274 | 1.1/2" | 3/4" |
| 1012-0275 | 1.1/2" | 1" |
| 1012-0276 | 1.1/2" | 1.1/4" |
| 1012-0277 | 2" | 1" |
| 1012-0278 | 2" | 1.1/4" |
| 1012-0279 | 2" | 1.1/2" |

Tech Sheet 20511

BSPT

| 0434 | Thread | Thread |
|-----------|--------|--------|
| 1012-0280 | 1/4" | 1/8" |
| 1012-0281 | 3/8" | 1/8" |
| 1012-0282 | 3/8" | 1/4" |
| 1012-0283 | 1/2" | 1/8" |
| 1012-0284 | 1/2" | 1/4" |
| 1012-0285 | 1/2" | 3/8" |
| 1012-0286 | 3/4" | 1/4" |
| 1012-0287 | 3/4" | 3/8" |
| 1012-0288 | 3/4" | 1/2" |
| 1012-0289 | 1" | 1/4" |
| 1012-0290 | 1" | 3/8" |
| 1012-0291 | 1" | 1/2" |
| 1012-0292 | 1" | 3/4" |
| 1012-0293 | 1.1/4" | 1/2" |
| 1012-0294 | 1.1/4" | 3/4" |
| 1012-0295 | 1.1/4" | 1" |
| 1012-0296 | 1.1/2" | 3/4" |
| 1012-0297 | 1.1/2" | 1" |
| 1012-0298 | 1.1/2" | 1.1/4" |
| 1012-0299 | 2" | 1" |
| 1012-0300 | 2" | 1.1/4" |
| 1012-0301 | 2" | 1.1/2" |

Tech Sheet 20502

Hex Head Plug



NPT

| 0434 | Thread |
|-----------|--------|
| 1012-0302 | 1/4" |
| 1012-0303 | 3/8" |
| 1012-0304 | 1/2" |
| 1012-0305 | 3/4" |
| 1012-0306 | 1" |
| 1012-0307 | 1.1/4" |
| 1012-0308 | 1.1/2" |
| 1012-0309 | 2" |

Tech Sheet 20510

BSPT

| 0434 | Thread |
|-----------|--------|
| 1012-0310 | 1/4" |
| 1012-0311 | 3/8" |
| 1012-0312 | 1/2" |
| 1012-0313 | 3/4" |
| 1012-0314 | 1" |
| 1012-0315 | 1.1/4" |
| 1012-0316 | 1.1/2" |
| 1012-0317 | 2" |

Tech Sheet 20501

Round Cap



NPT

| 0434 | Thread |
|-----------|--------|
| 1012-0318 | 1/4" |
| 1012-0319 | 3/8" |
| 1012-0320 | 1/2" |
| 1012-0321 | 3/4" |
| 1012-0322 | 1" |
| 1012-0323 | 1.1/4" |
| 1012-0324 | 1.1/2" |
| 1012-0325 | 2" |

Tech Sheet 20514

Socket Weld

| 0434 | NB |
|-----------|--------|
| 1012-0326 | 1/4" |
| 1012-0327 | 3/8" |
| 1012-0328 | 1/2" |
| 1012-0329 | 3/4" |
| 1012-0330 | 1" |
| 1012-0331 | 1.1/4" |
| 1012-0332 | 1.1/2" |
| 1012-0333 | 2" |

Tech Sheet 20525

TUBING

stainless
steel

316 Stainless Steel Tube

3 metre lengths next day.

6 metre lengths may take up to 3 working days to be delivered, dependant on weight and delivery address location. Additional carriage charges may apply.

For full details please contact our Business Development Team.

Minimum of 10 lengths is advised up to 8mm to prevent damage in transit.



Seamless ASTM A269, Metric, 6 Metre Lengths

| 0214 | OD mm | Wall Thickness mm | Max Pressure Bar |
|---------------|-------|-------------------|------------------|
| 765-0610-6M | 6 | 1 | 428 |
| 765-6X1.5-6M | 6 | 1.5 | 627 |
| 765-0810-6M | 8 | 1 | 321 |
| 765-8X1.5-6M | 8 | 1.5 | 472 |
| 765-1013-6M | 10 | 1 | 257 |
| 765-10X1.5-6M | 10 | 1.5 | 385 |
| 765-12X1.5-6M | 12 | 1.5 | 321 |
| 765-1515-6M | 15 | 1.5 | 257 |
| 765-16X1.5-6M | 16 | 1.5 | 235 |
| 765-1602-6M | 16 | 2 | 321 |
| 765-20X2-6M | 20 | 2 | 257 |
| 765-25X2.5-6M | 25 | 2.5 | 210 |
| 765-30X3-6M | 30 | 3 | 257 |

Tech Sheet 831

PANAM



You might also need...
Stainless Steel Fittings
see pages 166-178

Seamless ASTM A269, Metric, 3 Metre Lengths, Random

| 0214 | OD mm | Wall Thickness mm | Max Pressure Bar |
|------------|-------|-------------------|------------------|
| 765-0610 | 6 | 1 | 428 |
| 765-6X1.5 | 6 | 1.5 | 627 |
| 765-6X2 | 6 | 2 | 942 |
| 765-0813 | 8 | 1 | 321 |
| 765-8X1.5 | 8 | 1.5 | 472 |
| 765-8X2 | 8 | 2 | 706 |
| 765-1013 | 10 | 1 | 257 |
| 765-10X1.5 | 10 | 1.5 | 385 |
| 765-10X2 | 10 | 2 | 564 |
| 765-1213 | 12 | 1 | 210 |
| 765-12X1.5 | 12 | 1.5 | 321 |
| 765-12X2 | 12 | 2 | 420 |
| 765-1513 | 15 | 1 | 200 |
| 765-15X1.5 | 15 | 1.5 | 257 |
| 765-15X2 | 15 | 2 | 376 |
| 765-16X1.5 | 16 | 1.5 | 235 |
| 765-16X2 | 16 | 2 | 321 |
| 765-18X1.5 | 18 | 1.5 | 235 |
| 765-18X2 | 18 | 2 | 314 |
| 765-20X1.5 | 20 | 1.5 | 212 |
| 765-20X2 | 20 | 2 | 257 |
| 765-20X3 | 20 | 3 | 424 |
| 765-22X1.5 | 22 | 1.5 | 193 |
| 765-22X2 | 22 | 2 | 256 |
| 765-25X1.5 | 25 | 1.5 | 169 |
| 765-25X2 | 25 | 2 | 226 |
| 765-25X2.5 | 25 | 2.5 | 210 |
| 765-25X3 | 25 | 3 | 339 |
| 765-28X2 | 28 | 2 | 201 |
| 765-30X3 | 30 | 3 | 257 |
| 765-35X3 | 35 | 3 | 242 |
| 765-42X3 | 42 | 3 | 201 |

Tech Sheet 831

Seamless ASTM A269, Imperial, 3 Metre Lengths, Random

| 0214 | OD | SWG | Max Pressure Bar |
|-----------|------|-----|------------------|
| 2020-1372 | 1/8" | 20 | 718 |
| 2020-1380 | 1/4" | 20 | 360 |
| 2020-1406 | 3/8" | 20 | 240 |
| 2020-1414 | 1/2" | 20 | 180 |
| 2020-1422 | 3/4" | 20 | 120 |
| 2020-1430 | 1" | 20 | 90 |

Tech Sheet 831

Seamless ASTM A269, Imperial, 6 Metre Lengths, Random

| 0214 | OD | SWG | Max Pressure Bar |
|--------------|------|-----|------------------|
| 2020-1372-6M | 1/8" | 20 | 750 |
| 2020-1380-6M | 1/4" | 20 | 360 |
| 2020-1406-6M | 3/8" | 20 | 240 |
| 2020-1414-6M | 1/2" | 20 | 180 |
| 2020-1422-6M | 3/4" | 20 | 120 |
| 2020-1430-6M | 1" | 20 | 90 |

Tech Sheet 831

Elbows



90° Bends, Long

| 0706 | OD |
|---------------|--------|
| BSL2S-316-1 | 1" |
| BSL2S-316-1.5 | 1.1/2" |
| BSL2S-316-2 | 2" |
| BSL2S-316-2.5 | 2.1/2" |
| BSL2S-316-3 | 3" |
| BSL2S-316-4 | 4" |

Tech Sheet 68082



90° Bends, Short

| 0706 | OD |
|----------------|--------|
| BS2WCL-316-1 | 1" |
| BS2WCL-316-1.5 | 1.1/2" |
| BS2WCL-316-2 | 2" |
| BS2WCL-316-2.5 | 2.1/2" |
| BS2WCL-316-3 | 3" |
| BS2WCL-316-4 | 4" |

Tech Sheet 68082



45° Bends, Long

| 0706 | OD |
|----------------|--------|
| BSL2KS-316-1 | 1" |
| BSL2KS-316-1.5 | 1.1/2" |
| BSL2KS-316-2 | 2" |
| BSL2KS-316-2.5 | 2.1/2" |
| BSL2KS-316-3 | 3" |
| BSL2KS-316-4 | 4" |

Tech Sheet 68082

Tees



Short Tees

| 0706 | OD |
|----------------|--------|
| BS7WWW-316-3/4 | 3/4" |
| BS7WWW-316-1 | 1" |
| BS7WWW-316-1.5 | 1.1/2" |
| BS7WWW-316-2 | 2" |
| BS7WWW-316-2.5 | 2.1/2" |
| BS7WWW-316-3 | 3" |

Tech Sheet 68082



Pulled Tees

| 0706 | OD |
|----------------|--------|
| BS7WWO-316-1 | 1" |
| BS7WWO-316-1.5 | 1.1/2" |
| BS7WWO-316-2 | 2" |
| BS7WWO-316-2.5 | 2.1/2" |
| BS7WWO-316-3 | 3" |
| BS7WWO-316-4 | 4" |

Tech Sheet 68082

Reducers



Concentric Reducing Cones

| 0706 | OD A | OD B |
|-------------------|--------|--------|
| BSL31-316-1X0.5 | 1" | 1/2" |
| BSL31-316-1.5X1 | 1.1/2" | 1" |
| BSL31-316-2X1 | 2" | 1" |
| BSL31-316-2X1.5 | 2" | 1.1/2" |
| BSL31-316-2.5X1 | 2.1/2" | 1" |
| BSL31-316-2.5X1.5 | 2.1/2" | 1.1/2" |
| BSL31-316-2.5X2 | 2.1/2" | 2" |
| BSL31-316-3X2 | 3" | 2" |
| BSL31-316-3X2.5 | 3" | 2.1/2" |
| BSL31-316-4X1.5 | 4" | 1.1/2" |
| BSL31-316-4X2 | 4" | 2" |
| BSL31-316-4X2.5 | 4" | 2.1/2" |
| BSL31-316-4X3 | 4" | 3" |

Tech Sheet 68082



Eccentric Reducing Cones

| 0706 | OD A | OD B |
|------------------|--------|--------|
| BSL32-316075X0.5 | 3/4" | 1/2" |
| BSL32-316-2X1 | 2" | 1" |
| BSL32-316-2X1.5 | 2" | 1.1/2" |
| BSL32-316-2.5X2 | 2.1/2" | 2" |
| BSL32-316-3X2 | 3" | 2" |
| BSL32-316-3X2.5 | 3" | 2.1/2" |
| BSL32-316-4X1.5 | 4" | 1.1/2" |
| BSL32-316-4X2 | 4" | 2" |
| BSL32-316-4X3 | 4" | 3" |

Tech Sheet 68082

IDF Weld Fittings



Hex Nut

| 0706 | Size |
|---------------|--------|
| BSIDF-13H-1 | 1" |
| BSIDF-13H-1.5 | 1.1/2" |
| BSIDF-13H-2 | 2" |
| BSIDF-13H-2.5 | 2.1/2" |
| BSIDF-13H-3 | 3" |

Tech Sheet 68081



Welding Male

| 0706 | Size |
|--------------|--------|
| BSIDF-15-1 | 1" |
| BSIDF-15-1.5 | 1.1/2" |
| BSIDF-15-2 | 2" |
| BSIDF-15-2.5 | 2.1/2" |
| BSIDF-15-3 | 3" |
| BSIDF-15-4 | 4" |

Tech Sheet 68081



Welding Liner

| 0706 | Size |
|--------------|--------|
| BSIDF-14-1 | 1" |
| BSIDF-14-1.5 | 1.1/2" |
| BSIDF-14-2 | 2" |
| BSIDF-14-2.5 | 2.1/2" |
| BSIDF-14-3 | 3" |
| BSIDF-14-4 | 4" |

Tech Sheet 68081



EPDM Seal

| 0706 | Size |
|----------------|--------|
| BSIDF-SEAL-1 | 1" |
| BSIDF-SEAL-1.5 | 1.1/2" |
| BSIDF-SEAL-2 | 2" |
| BSIDF-SEAL-2.5 | 2.1/2" |
| BSIDF-SEAL-3 | 3" |
| BSIDF-SEAL-4 | 4" |

Tech Sheet 68081

RJT Weld Fittings



Hex Nut

| 0706 | Size |
|---------------|--------|
| BSRJT-13H-1 | 1" |
| BSRJT-13H-1.5 | 1.1/2" |
| BSRJT-13H-2 | 2" |
| BSRJT-13H-2.5 | 2.1/2" |
| BSRJT-13H-3 | 3" |
| BSRJT-13H-4 | 4" |

Tech Sheet 68081



Welding Male

| 0706 | Size |
|--------------|--------|
| BSRJT-15-1 | 1" |
| BSRJT-15-1.5 | 1.1/2" |
| BSRJT-15-2 | 2" |
| BSRJT-15-2.5 | 2.1/2" |
| BSRJT-15-3 | 3" |
| BSRJT-15-4 | 4" |

Tech Sheet 68081



Welding Liner

| 0706 | Size |
|--------------|--------|
| BSRJT-14-1 | 1" |
| BSRJT-14-1.5 | 1.1/2" |
| BSRJT-14-2 | 2" |
| BSRJT-14-2.5 | 2.1/2" |
| BSRJT-14-3 | 3" |
| BSRJT-14-4 | 4" |

Tech Sheet 68081



Blanking Nut

| 0706 | Size |
|-----------------|--------|
| BSRJT-13HBN-1 | 1" |
| BSRJT-13HBN-1.5 | 1.1/2" |
| BSRJT-13HBN-2 | 2" |
| BSRJT-13HBN-2.5 | 2.1/2" |
| BSRJT-13HBN-3 | 3" |
| BSRJT-13HBN-4 | 4" |

Tech Sheet 68081



EPDM Seal

| 0706 | Size |
|----------------|--------|
| BSRJT-SEAL-1 | 1" |
| BSRJT-SEAL-1.5 | 1.1/2" |
| BSRJT-SEAL-2 | 2" |
| BSRJT-SEAL-2.5 | 2.1/2" |
| BSRJT-SEAL-3 | 3" |
| BSRJT-SEAL-4 | 4" |

Tech Sheet 68081

RJT Fittings

Most process lines have to be frequently dismantled for cleaning and all ranges of our hygienic fittings are suitable for this purpose.

Clamp unions provide a crevice free connection with a rapid break down and assembly, with no tools required.

RJT unions are probably the most widely used for frequent break down and cleaning.

IDF unions provide an alternative security and limit unauthorised access.

Sizes to suit OD tube.



RJT Spanner

| 0147 | Size |
|-----------------|--------|
| RJT-SPANNER-1.0 | 1" |
| RJT-SPANNER-1.5 | 1.1/2" |
| RJT-SPANNER-2 | 2" |
| RJT-SPANNER-2.5 | 2.1/2" |
| RJT-SPANNER-3 | 3" |
| RJT-SPANNER-4 | 4" |

Tech Sheet 68081

Hygienic Tube

N.B. Delivery may take up to 48 hours.



3 Metre Lengths

| 0214 | Size |
|-----------------|--------|
| ODT316L-W-H-1.0 | 1" |
| ODT316L-W-H-1.5 | 1.1/2" |
| ODT316L-W-H-2 | 2" |
| ODT316L-W-H-2.5 | 2.1/2" |
| ODT316L-W-H-3 | 3" |
| ODT316L-W-H-4 | 4" |

Tech Sheet 68081

Clamp Fittings



Weld Ferrule

| 0707 | Clamp Size |
|------------|------------|
| 14MMP-0.5 | 1/2" |
| 14MMP-0.75 | 3/4" |
| 14MMP-1 | 1" |
| 14MMP-1.5 | 1.1/2" |
| 14MMP-2 | 2" |
| 14MMP-2.5 | 2.1/2" |
| 14MMP-3 | 3" |
| 14MMP-4 | 4" |

Tech Sheet 68084



Heavy-duty Single Pin Clamp

| 0707 | Clamp Size |
|-----------|-------------|
| 13MHH-2.5 | 2.1/2" |
| 13MHH-0.5 | 1/2" - 3/4" |
| 13MHH-1 | 1" - 1.1/2" |
| 13MHH-2 | 2" |
| 13MHH-3 | 3" |
| 13MHH-4 | 4" |

Tech Sheet 68084



End Cap

| 0707 | Clamp Size |
|-----------|-------------|
| 16AMP-0.5 | 1/2" - 3/4" |
| 16AMP-1 | 1" - 1.1/2" |
| 16AMP-2 | 2" |
| 16AMP-2.5 | 2.1/2" |
| 16AMP-3 | 3" |
| 16AMP-4 | 4" |

Tech Sheet 68084



Heavy-duty Double Pin Clamp

| 0707 | Clamp Size |
|------------|-------------|
| 13MHHM-1 | 1" - 1.1/2" |
| 13MHHM-2 | 2" |
| 13MHHM-2.5 | 2.1/2" |
| 13MHHM-3 | 3" |
| 13MHHM-4 | 4" |

Tech Sheet 68084



Clamp Joint Seal, EPDM

| 0707 | Clamp Size |
|-----------|------------|
| HFE03-050 | 1/2" |
| HFE03-075 | 3/4" |
| HFE03-1 | 1" |
| HFE03-1.5 | 1.1/2" |
| HFE03-2 | 2" |
| HFE03-2.5 | 2.1/2" |
| HFE03-3 | 3" |
| HFE03-4 | 4" |

Tech Sheet 68084



stainless steel

You might also need...

Hygienic Stainless Steel Butterfly Valves

see page 967



Weld Liner



Stainless Steel

| 0354 | Size |
|----------|--------|
| RJTWL1 | 1" |
| RJTWL112 | 1.1/2" |
| RJTWL2 | 2" |
| RJTWL212 | 2.1/2" |
| RJTWL3 | 3" |

Tech Sheet 60554

Reducing Weld Liner



Stainless Steel

| 0354 | Size |
|------------|--------------|
| RJTRWL2112 | 2" to 1.1/2" |

Tech Sheet 60554

Blank Liner



Stainless Steel

| 0354 | Size |
|----------|--------|
| RJTBL1 | 1" |
| RJTBL112 | 1.1/2" |
| RJTBL2 | 2" |
| RJTBL212 | 2.1/2" |
| RJTBL3 | 3" |

Tech Sheet 60554

Hose Liner



Stainless Steel

| 0354 | Size |
|----------|--------|
| RJTHL1 | 1" |
| RJTHL112 | 1.1/2" |
| RJTHL2 | 2" |
| RJTHL212 | 2.1/2" |
| RJTHL3 | 3" |

Tech Sheet 60554

Hex Nut



Stainless Steel

| 0354 | Size |
|---------|--------|
| RJTN1 | 1" |
| RJTN112 | 1.1/2" |
| RJTN2 | 2" |
| RJTN3 | 3" |

Tech Sheet 60554

Weld Male



Stainless Steel

| 0354 | Size |
|----------|--------|
| RJTWM1 | 1" |
| RJTWM112 | 1.1/2" |
| RJTWM2 | 2" |
| RJTWM3 | 3" |

Tech Sheet 60554

BSPP Adaptor



Stainless Steel

| 0354 | Size | Thread |
|---------|--------|--------|
| RJTA1 | 1" | 1" |
| RJTA112 | 1.1/2" | 1.1/2" |
| RJTD2 | 2" | 2" |
| RJTA3 | 3" | 3" |

Tech Sheet 60554

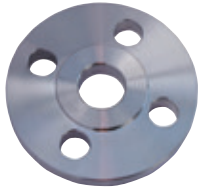
Seal



| 0354 | Size |
|---------|--------|
| RJTS1 | 1" |
| RJTS112 | 1.1/2" |
| RJTS2 | 2" |
| RJTS3 | 3" |

Tech Sheet 60554

Slip-on PN16/3



BS4504: Sect 3.1:1989

| 1113 | Size |
|-----------|--------|
| SSFSB-12 | 1/2" |
| SSFSB-34 | 3/4" |
| SSFSB-1 | 1" |
| SSFSB-114 | 1.1/4" |
| SSFSB-112 | 1.1/2" |
| SSFSB-2 | 2" |
| SSFSB-3 | 3" |

Tech Sheet 1500

Slip-on 150lb



ANSI B16.5

| 1113 | Size |
|-----------|--------|
| SSFSA-12 | 1/2" |
| SSFSA-1 | 1" |
| SSFSA-112 | 1.1/2" |
| SSFSA-2 | 2" |

Tech Sheet 1500

Table D



| 1113 | Size |
|-------------|--------|
| TABLE-D-112 | 1.1/2" |
| TABLE-D-4 | 4" |

Tech Sheet 1500

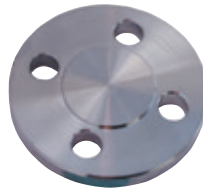
Table E



| 1113 | Size |
|-------------|--------|
| TABLE-E-1 | 1" |
| TABLE-E-112 | 1.1/2" |
| TABLE-E-2 | 2" |
| TABLE-E-3 | 3" |

Tech Sheet 1500

Blind PN16/8



BS4504: Sect 3.1:1989

| 1113 | Size |
|------------|--------|
| SSFBB-12 | 1/2" |
| SSFBSB-34 | 3/4" |
| SSFBSB-1 | 1" |
| SSFBSB-114 | 1.1/4" |
| SSFBSB-112 | 1.1/2" |
| SSFBB-2 | 2" |
| SSFBB-3 | 3" |

Tech Sheet 1500

Blind 150lb



BS4504: Sect 3.1:1989

| 1113 | Size |
|----------|------|
| SSFBA-12 | 1/2" |
| SSFBA-34 | 3/4" |
| SSFBA-1 | 1" |
| SSFBA-2 | 2" |
| SSFBA-3 | 3" |

Tech Sheet 1500

Weld Neck 150lb



ANSI B16.5

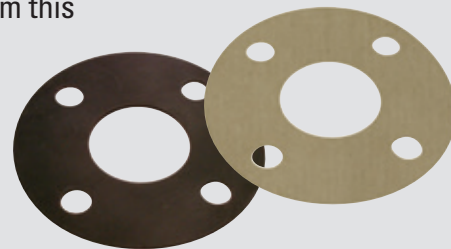
| 1113 | Size |
|----------|------|
| SSFWA-34 | 3/4" |
| SSFWA-2 | 2" |
| SSFWA-3 | 3" |

Tech Sheet 1500

Customers who bought from this page also purchased...



Flange Gaskets



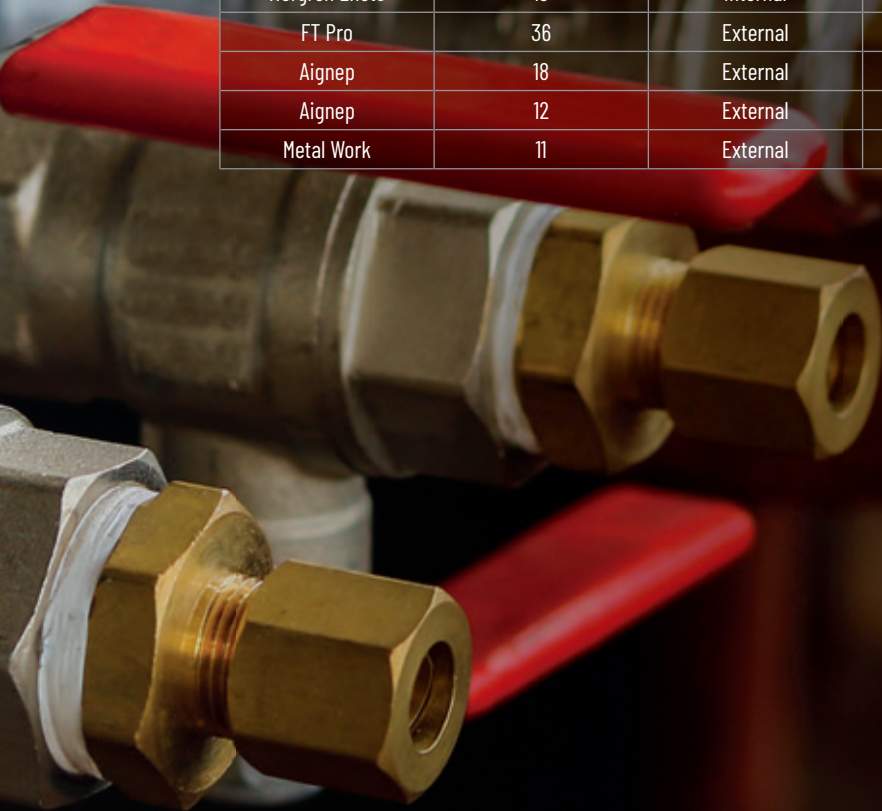
...see page 1389

**LEAK
FREE**

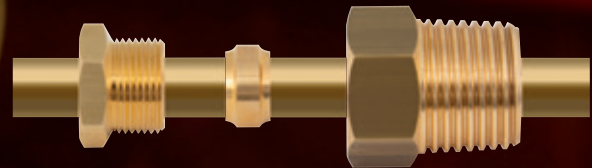
Compression Fittings

- To be used in conjunction with Nylon, Polyurethane & Metallic tube
- Superior to a Push-in Fitting where there are extremes of Temperature & Pressure

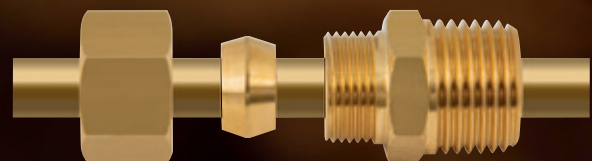
| Brand | Fitting Variations | Nut Type | Tube Range | Thread Type | Finish |
|---------------|--------------------|----------|--------------|-------------|---------------------|
| FT Pro | 32 | Internal | 4-28mm | 1/8" - 3/4" | Brass |
| FT Pro | 34 | Internal | 1/8" - 3/4" | 1/8" - 3/4" | Brass |
| Norgren Enots | 26 | Internal | 4-12mm | 1/8" - 3/4" | Brass |
| Norgren Enots | 13 | Internal | 3/16" - 3/4" | 1/8" - 1/2" | Brass |
| FT Pro | 36 | External | 1/8" - 3/4" | 1/8" - 3/4" | Brass |
| Aignep | 18 | External | 4-22mm | 1/8" - 3/4" | Brass |
| Aignep | 12 | External | 4-18mm | 1/8" - 1/2" | Nickel Plated Brass |
| Metal Work | 11 | External | 4-15mm | 1/8" - 1/2" | Nickel Plated Brass |



Internal Nut



External Nut



Tubing Nuts



Tubing Nut, Metric

| 1315 | Tube OD mm | Equivalent |
|-------|------------|------------|
| TNM04 | 4 | 36050002 |
| TNM05 | 5 | 36050003 |
| TNM06 | 6 | 36050004 |
| TNM08 | 8 | 36050005 |
| TNM10 | 10 | 36050006 |
| TNM12 | 12 | 36050007 |
| TNM15 | 15 | 36050015 |
| TNM16 | 16 | 36050008 |
| TNM22 | 22 | 36050010 |
| TNM28 | 28 | - |

Tubing Sleeves



Tubing Sleeve, Metric

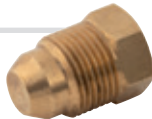
| 1315 | Tube OD mm | Equivalent |
|-------|------------|------------|
| OMB04 | 4 | 36050202 |
| OMB05 | 5 | 36050203 |
| OMB06 | 6 | 36050204 |
| OMB08 | 8 | 36050205 |
| OMB10 | 10 | 36050206 |
| OMB12 | 12 | 36050207 |
| OMB15 | 15 | 36050215 |
| OMB16 | 16 | 36050208 |

Universal Tubing Sleeve, Metric



| 1315 | Tube OD mm | Equivalent |
|------|------------|------------|
| OM04 | 4 | 36050102 |
| OM06 | 6 | 36050104 |
| OM08 | 8 | 36050105 |
| OM10 | 10 | 36050106 |
| OM12 | 12 | 36050107 |
| OM15 | 15 | 36050115 |
| OM16 | 16 | 36050108 |
| OM18 | 18 | 36050118 |
| OM22 | 22 | 36050110 |
| OM28 | 28 | - |

Tubing Plugs



Tubing Plug, Metric

| 1315 | Tube OD mm | Equivalent |
|-------|------------|------------|
| CMP04 | 4 | 36050902 |
| CMP05 | 5 | 36050903 |
| CMP06 | 6 | 36050904 |
| CMP08 | 8 | 36050905 |
| CMP10 | 10 | 36050906 |
| CMP12 | 12 | 36050907 |
| CMP22 | 22 | 36050910 |

Male Adaptors



Straight Male Adaptor, Metric, BSPT

| 1315 | Tube OD mm | Thread | Equivalent |
|---------|------------|--------|------------|
| CM04/02 | 4 | 1/8" | 36053002 |
| CM04/04 | 4 | 1/4" | 36053008 |
| CM05/02 | 5 | 1/8" | 36053003 |
| CM05/04 | 5 | 1/4" | 36053009 |
| CM06/02 | 6 | 1/8" | 36053004 |
| CM06/04 | 6 | 1/4" | 36053010 |
| CM06/06 | 6 | 3/8" | 36053018 |
| CM08/02 | 8 | 1/8" | 36053005 |
| CM08/04 | 8 | 1/4" | 36053011 |
| CM08/06 | 8 | 3/8" | 36053019 |
| CM08/08 | 8 | 1/2" | 36053028 |
| CM10/02 | 10 | 1/8" | 36053006 |
| CM10/04 | 10 | 1/4" | 36053012 |
| CM10/06 | 10 | 3/8" | 36053020 |
| CM10/08 | 10 | 1/2" | 36053029 |
| CM12/04 | 12 | 1/4" | 36053013 |
| CM12/06 | 12 | 3/8" | 36053021 |
| CM12/08 | 12 | 1/2" | 36053030 |
| CM12/12 | 12 | 3/4" | 36053044 |
| CM15/08 | 15 | 1/2" | 36053057 |
| CM16/06 | 16 | 3/8" | 36053022 |
| CM16/08 | 16 | 1/2" | 36053031 |
| CM16/12 | 16 | 3/4" | 36053045 |
| CM22/08 | 22 | 1/2" | - |
| CM22/12 | 22 | 3/4" | - |

Straight Male Adaptor, Metric, BSPP

| 1315 | Tube OD mm | Thread | Equivalent |
|----------|------------|--------|------------|
| CMP04/02 | 4 | 1/8" | 36050402 |
| CMP04/04 | 4 | 1/4" | 36050408 |
| CMP05/02 | 5 | 1/8" | 36050403 |
| CMP05/04 | 5 | 1/4" | 36050409 |
| CMP06/02 | 6 | 1/8" | 36050404 |
| CMP06/04 | 6 | 1/4" | 36050410 |
| CMP08/02 | 8 | 1/8" | 36050405 |
| CMP08/04 | 8 | 1/4" | 36050411 |
| CMP08/06 | 8 | 3/8" | 36050419 |
| CMP08/08 | 8 | 1/2" | 36050428 |
| CMP10/04 | 10 | 1/4" | 36050412 |
| CMP10/06 | 10 | 3/8" | 36050420 |
| CMP10/08 | 10 | 1/2" | 36050429 |
| CMP12/06 | 12 | 3/8" | 36050421 |
| CMP12/08 | 12 | 1/2" | 36050430 |
| CMP16/08 | 16 | 1/2" | 36050431 |

Female Adaptors



Straight Female Adaptor, Metric, BSPP

| 1315 | Tube OD mm | Thread | Equivalent |
|----------|------------|--------|------------|
| CMF04/02 | 4 | 1/8" | 36050502 |
| CMF05/02 | 5 | 1/8" | 36050503 |
| CMF05/04 | 5 | 1/4" | 36050509 |
| CMF06/02 | 6 | 1/8" | 36050504 |
| CMF06/04 | 6 | 1/4" | 36050510 |
| CMF08/02 | 8 | 1/8" | 36050505 |
| CMF08/04 | 8 | 1/4" | 36050511 |
| CMF08/06 | 8 | 3/8" | 36050519 |
| CMF10/04 | 10 | 1/4" | 36050512 |
| CMF10/06 | 10 | 3/8" | 36050520 |
| CMF12/06 | 12 | 3/8" | 36050521 |
| CMF12/08 | 12 | 1/2" | 36050530 |
| CMF16/08 | 16 | 1/2" | 36050531 |

Nipple Adaptors



Nipple Adaptor Tube Male, BSPT x Male, Metric

| 1315 | Tube OD mm | Thread | Equivalent |
|----------|------------|--------|------------|
| CMA05/02 | 5 | 1/8" | 36055603 |
| CMA06/02 | 6 | 1/8" | 36055604 |
| CMA06/04 | 6 | 1/4" | 36055610 |
| CMA08/04 | 8 | 1/4" | 36055611 |
| CMA08/06 | 8 | 3/8" | 36055619 |
| CMA12/08 | 12 | 1/2" | 36055630 |

Nipple Adaptor Tube Male, BSP x Female, Metric

| 1315 | Tube OD mm | Female Thread | Equivalent |
|-----------|------------|---------------|------------|
| CMNF04/02 | 4 | 1/8" | 36055702 |
| CMNF05/02 | 5 | 1/8" | 36055703 |
| CMNF06/02 | 6 | 1/8" | 36055704 |
| CMNF06/04 | 6 | 1/4" | 36055710 |
| CMNF08/04 | 8 | 1/4" | 36055711 |
| CMNF10/04 | 10 | 1/4" | 36055712 |
| CMNF12/06 | 12 | 3/8" | 36055721 |
| CMNF12/08 | 12 | 1/2" | 36055730 |

BRASS COMPRESSION FITTINGS, METRIC



Nipple Connectors



Nipple Connector, Metric

| 1315 | Tube OD mm | Equivalent |
|--------|------------|------------|
| CMNC05 | 5 | 36063203 |
| CMNC06 | 6 | 36063204 |
| CMNC08 | 8 | 36063205 |

Reducing Connectors



Reducing Connector, Metric

| 1315 | Tube OD mm Male | Tube OD mm Female | Equivalent |
|------------|-----------------|-------------------|------------|
| CMMFB05/04 | 5 | 4 | 36051726 |
| CMMFB08/06 | 8 | 6 | 36051747 |
| CMMFB10/06 | 10 | 6 | 36051748 |
| CMMFB10/08 | 10 | 8 | 36051756 |
| CMMFB12/06 | 12 | 6 | 36051749 |
| CMMFB12/08 | 12 | 8 | 36051757 |
| CMMFB12/10 | 12 | 10 | 36051764 |
| CMMFB16/08 | 16 | 8 | 36051758 |
| CMMFB16/12 | 16 | 12 | 36051771 |

Straight Connectors



Straight Connector, Metric

| 1315 | Tube OD mm | Equivalent |
|-------|------------|------------|
| CMS04 | 4 | 36050302 |
| CMS05 | 5 | 36050303 |
| CMS06 | 6 | 36050304 |
| CMS08 | 8 | 36050305 |
| CMS10 | 10 | 36050306 |
| CMS12 | 12 | 36050307 |
| CMS16 | 16 | 36050308 |
| CMS22 | 22 | 36050310 |

Bulkhead Connectors



Bulkhead Connector, Metric

| 1315 | Tube OD mm | Male Thread | Equivalent |
|--------|------------|-------------|------------|
| CMBH04 | 4 | M12 x 1 | 36050802 |
| CMBH05 | 5 | M15 x 1 | 36050803 |
| CMBH06 | 6 | M15 x 1 | 36050804 |
| CMBH08 | 8 | M18 x 1.5 | 36050805 |
| CMBH10 | 10 | M20 x 1.5 | 36050806 |
| CMBH12 | 12 | M24 x 1.5 | 36050807 |
| CMBH16 | 16 | M30 x 1.5 | 36050808 |

Locknuts



Locknut NP, Metric

| 1315 | Thread |
|---------|-----------|
| LNM15NP | M15 x 1.0 |
| LNM20NP | M20 x 1.5 |
| LNM24NP | M24 x 1.5 |
| LNM26NP | M26 x 1.5 |
| LNM28NP | M28 x 1.5 |

Elbows



Male Elbow Adaptor, Metric, BSPT

| 1315 | Tube OD mm | Male Thread | Equivalent |
|-----------|------------|-------------|------------|
| CMLM04/02 | 4 | 1/8" | 36000502 |
| CMLM04/04 | 4 | 1/4" | 36000508 |
| CMLM05/02 | 5 | 1/8" | 36000503 |
| CMLM05/04 | 5 | 1/4" | 36000509 |
| CMLM06/02 | 6 | 1/8" | 36000504 |
| CMLM06/04 | 6 | 1/4" | 36000510 |
| CMLM06/06 | 6 | 3/8" | 36000518 |
| CMLM08/02 | 8 | 1/8" | 36000505 |
| CMLM08/04 | 8 | 1/4" | 36000511 |
| CMLM08/06 | 8 | 3/8" | 36000519 |
| CMLM08/08 | 8 | 1/2" | 36000528 |
| CMLM10/04 | 10 | 1/4" | 36000512 |
| CMLM10/06 | 10 | 3/8" | 36000520 |
| CMLM12/06 | 12 | 3/8" | 36000521 |
| CMLM12/08 | 12 | 1/2" | 36000530 |
| CMLM16/08 | 16 | 1/2" | 36000531 |
| CMLM16/12 | 16 | 3/4" | 36000545 |



Female Elbow Adaptor, Metric, BSPT

| 1315 | Tube OD mm | Male Thread | Equivalent |
|-----------|------------|-------------|------------|
| CMLF06/04 | 6 | 1/4" | 36055510 |
| CMLF08/04 | 8 | 1/4" | 36055511 |
| CMLF10/04 | 10 | 1/4" | 36055512 |
| CMLF10/06 | 10 | 3/8" | 36055520 |

Bracketed Elbow, Metric



| 1315 | Tube OD mm | Equivalent |
|--------|------------|------------|
| CMBL10 | 10 | 36054806 |

Elbow Connector, Metric



| 1315 | Tube OD mm | Equivalent |
|-------|------------|------------|
| CML04 | 4 | 36051102 |
| CML05 | 5 | 36051103 |
| CML06 | 6 | 36051104 |
| CML08 | 8 | 36051105 |
| CML10 | 10 | 36051106 |
| CML12 | 12 | 36051107 |
| CML16 | 16 | 36051108 |

Elbow Connectors



Stem Elbow Connector, Metric

| 1315 | Tube OD mm | Stem OD mm | Equivalent |
|--------|------------|------------|------------|
| CMLS06 | 6 | 6 | 36055104 |
| CMLS08 | 8 | 8 | 36055105 |
| CMLS10 | 10 | 10 | 36055106 |
| CMLS12 | 12 | 12 | 36055107 |
| CMLS16 | 16 | 16 | 36055108 |

Tees



Male Tee Adaptor, Metric, BSPT

| 1315 | Tube OD mm | Male Thread | Equivalent |
|-----------|------------|-------------|------------|
| CMTM04/02 | 4 | 1/8" | 36062702 |
| CMTM06/02 | 6 | 1/8" | 36062704 |
| CMTM08/04 | 8 | 1/4" | 36062711 |
| CMTM10/04 | 10 | 1/4" | 36062712 |



Tee Connector, Metric

| 1315 | Tube OD mm | Equivalent |
|-------|------------|------------|
| CMT04 | 4 | 36051402 |
| CMT05 | 5 | 36051403 |
| CMT06 | 6 | 36051404 |
| CMT08 | 8 | 36051405 |
| CMT10 | 10 | 36051406 |
| CMT12 | 12 | 36051407 |
| CMT16 | 16 | 36051408 |



Male Tee Adaptor, Metric, BSPT

| 1315 | Tube OD mm | Male Thread | Equivalent |
|-----------|------------|-------------|------------|
| CMTR06/02 | 6 | 1/8" | 36062804 |



Bracketed Tee, Metric

| 1315 | Tube OD mm | Equivalent |
|--------|------------|------------|
| CMBT06 | 6 | 36054904 |
| CMBT08 | 8 | 36054905 |
| CMBT10 | 10 | 36054906 |

Tee Connectors



Stem Tee Connector, Metric

| 1315 | Tube OD mm | Stem OD mm | Equivalent |
|--------|------------|------------|------------|
| CMTS08 | 8 | 8 | 36055005 |
| CMTS10 | 10 | 10 | 36055006 |
| CMTS12 | 12 | 12 | 36055007 |
| CMTS16 | 16 | 16 | 36055008 |



Stem Run Tee Connector, Metric

| 1315 | Tube OD mm | Stem OD mm | Equivalent |
|---------|------------|------------|------------|
| CMTRS06 | 6 | 6 | 36062604 |
| CMTRS10 | 10 | 10 | 36062606 |
| CMTRS12 | 12 | 12 | 36062607 |

Crosses



Four Way Connector, Metric

| 1315 | Tube OD mm | Equivalent |
|-------|------------|------------|
| CMX06 | 6 | 36051604 |

Stem Adaptors



Nipped Stem Connector, Metric

| 1315 | Tube OD mm | Stem OD mm | Equivalent |
|------------|------------|------------|------------|
| CMSPN12/12 | 12 | 12 | 36062507 |



Stem (Stand Pipe) x Hosetail Adaptor, Metric

| 1315 | Standpipe mm | Hosetail | Equivalent |
|------------|--------------|----------|------------|
| CMSPH04/03 | 4 | 3/16" | 36052415 |
| CMSPH06/04 | 6 | 1/4" | 36052424 |
| CMSPH08/04 | 8 | 1/4" | 36052425 |
| CMSPH12/06 | 12 | 3/8" | 36052443 |



Straight Stem Adaptor, Metric

| 1315 | Thread | Standpipe mm | Equivalent |
|-----------|--------|--------------|------------|
| CMSP02/08 | 1/8" | 8 | 36053105 |
| CMSP04/06 | 1/4" | 6 | 36053110 |
| CMSP04/08 | 1/4" | 8 | 36053111 |
| CMSP06/10 | 3/8" | 10 | 36053120 |
| CMSP06/12 | 3/8" | 12 | 36053121 |
| CMSP08/12 | 1/2" | 12 | - |

Manifolds



Single Side 4 Output Manifold, Metric

| 1315 | Inlet Tube OD mm | Outlet Tube OD mm | No. of Outlets | Equivalent |
|-----------|------------------|-------------------|----------------|------------|
| CMMB12/08 | 12 | 8 | 4 | 36030457 |
| CMMB16/10 | 16 | 10 | 4 | 36030465 |

BRASS COMPRESSION FITTINGS, IMPERIAL



Tubing Nuts



Tubing Nut, Imperial

| 1315 | Tube OD | Equivalent |
|-------|---------|------------|
| TNI02 | 1/8" | 34027902 |
| TNI03 | 3/16" | 34027903 |
| TNI04 | 1/4" | 34027904 |
| TNI05 | 5/16" | 34027905 |
| TNI06 | 3/8" | 34027906 |
| TNI08 | 1/2" | 34027907 |
| TNI10 | 5/8" | 34027908 |
| TNI12 | 3/4" | 34027909 |

Tubing Sleeves



Tubing Sleeve, Imperial

| 1315 | Tube OD | Equivalent |
|-------|---------|------------|
| OIB02 | 1/8" | 34000302 |
| OIB03 | 3/16" | 34000303 |
| OIB04 | 1/4" | 34000304 |
| OIB05 | 5/16" | 34000305 |
| OIB06 | 3/8" | 34000306 |
| OIB08 | 1/2" | 34000307 |



Universal Tubing Sleeve, Imperial

| 1315 | Tube OD | Equivalent |
|------|---------|------------|
| O102 | 1/8" | 34027802 |
| O104 | 1/4" | 34027804 |
| O105 | 5/16" | 34027805 |
| O106 | 3/8" | 34027806 |
| O108 | 1/2" | 34027807 |
| O110 | 5/8" | 34027808 |
| O112 | 3/4" | 34027809 |

Tubing Plugs



Tubing Plug, Imperial

| 1315 | Tube OD | Equivalent |
|-------|---------|------------|
| CIP04 | 1/4" | 34003604 |
| CIP05 | 5/16" | 34003605 |
| CIP06 | 3/8" | 34003606 |
| CIP08 | 1/2" | 34003607 |

Male Adaptors



Straight Male Adaptor, Imperial, BSPT

| 1315 | Tube OD | Thread | Equivalent |
|---------|---------|--------|------------|
| CI02/02 | 1/8" | 1/8" | 34034607 |
| CI03/02 | 3/16" | 1/8" | 34034608 |
| CI03/04 | 3/16" | 1/4" | 34034615 |
| CI04/02 | 1/4" | 1/8" | 34034609 |
| CI04/04 | 1/4" | 1/4" | 34034616 |
| CI05/02 | 5/16" | 1/8" | 34034610 |
| CI05/04 | 5/16" | 1/4" | 34034617 |
| CI05/06 | 5/16" | 3/8" | 34034625 |
| CI05/08 | 5/16" | 1/2" | 34034634 |
| CI06/02 | 3/8" | 1/8" | 34034611 |
| CI06/04 | 3/8" | 1/4" | 34034618 |
| CI06/06 | 3/8" | 3/8" | 34034626 |
| CI06/08 | 3/8" | 1/2" | 34034635 |
| CI08/04 | 1/2" | 1/4" | 34034619 |
| CI08/06 | 1/2" | 3/8" | 34034627 |
| CI08/08 | 1/2" | 1/2" | 34034636 |
| CI08/12 | 1/2" | 3/4" | 34034653 |
| CI10/08 | 5/8" | 1/2" | 34034637 |
| CI12/08 | 3/4" | 1/2" | 34034638 |
| CI12/12 | 3/4" | 3/4" | 34034655 |



Straight Male Adaptor, Imperial, BSPP

| 1315 | Tube OD | Thread | Equivalent |
|----------|---------|--------|------------|
| CIP03/02 | 3/16" | 1/8" | 34034808 |
| CIP04/02 | 1/4" | 1/8" | 34034809 |
| CIP04/04 | 1/4" | 1/4" | 34034816 |
| CIP06/06 | 3/8" | 3/8" | 34034826 |
| CIP08/06 | 1/2" | 3/8" | 34034827 |

Female Adaptors



Straight Female Adaptor, Imperial, BSPP

| 1315 | Tube OD | Thread | Equivalent |
|----------|---------|--------|------------|
| CIF03/02 | 3/16" | 1/8" | 34034408 |
| CIF03/04 | 3/16" | 1/4" | 34034415 |
| CIF04/02 | 1/4" | 1/8" | 34034409 |
| CIF04/04 | 1/4" | 1/4" | 34034416 |
| CIF05/04 | 5/16" | 1/4" | 34034417 |
| CIF06/04 | 3/8" | 1/4" | 34034418 |
| CIF06/06 | 3/8" | 3/8" | 34034426 |
| CIF08/08 | 1/2" | 1/2" | 34034436 |
| CIF10/08 | 5/8" | 1/2" | 34034437 |

Nipple Adaptors



Nipple Adaptor Tube Male, BSPT x Male, Imperial

| 1315 | Tube OD | Thread | Equivalent |
|----------|---------|--------|------------|
| CIA04/02 | 1/4" | 1/8" | 34035009 |
| CIA05/04 | 5/16" | 1/4" | 34035017 |
| CIA06/04 | 3/8" | 1/4" | 34035018 |
| CIA06/06 | 3/8" | 3/8" | 34035026 |
| CIA08/08 | 1/2" | 1/2" | 34035036 |



Nipple Adaptor Tube Male, BSP x Female, Imperial

| 1315 | Tube OD | Female Thread | Equivalent |
|-----------|---------|---------------|------------|
| CINF03/02 | 3/16" | 1/8" | 34035108 |
| CINF05/04 | 5/16" | 1/4" | 34035117 |
| CINF06/06 | 3/8" | 3/8" | 34035126 |
| CINF08/06 | 1/2" | 3/8" | 34035127 |
| CINF08/08 | 1/2" | 1/2" | 34035136 |

Reducing Connectors



Reducing Connector, Imperial

| 1315 | Tube OD Male | Tube OD Female | Equivalent |
|------------|--------------|----------------|------------|
| CIMFB04/03 | 1/4" | 3/16" | 34035231 |
| CIMFB05/04 | 5/16" | 1/4" | 34035239 |
| CIMFB06/04 | 3/8" | 1/4" | 34035240 |
| CIMFB06/05 | 3/8" | 5/16" | 34035246 |
| CIMFB08/05 | 1/2" | 5/16" | 34035247 |
| CIMFB08/06 | 1/2" | 3/8" | 34035252 |

Nipple Connectors



Nipple Connector, Imperial

| 1315 | Tube OD | Equivalent |
|--------|---------|------------|
| CINCO8 | 1/2" | 34029107 |

Straight Connectors



Straight Connector, Imperial

| 1315 | Tube OD | Equivalent |
|-------|---------|------------|
| CIS03 | 3/16" | 34000703 |
| CIS04 | 1/4" | 34000704 |
| CIS05 | 5/16" | 34000705 |
| CIS06 | 3/8" | 34000706 |
| CIS08 | 1/2" | 34000707 |
| CIS12 | 3/4" | 34000709 |

Bulkhead Connectors



Bulkhead Connector, Imperial

| 1315 | Tube OD | Male Thread | Equivalent |
|--------|---------|-------------|------------|
| CIBH03 | 3/16" | 1/4" | 34002103 |
| CIBH04 | 1/4" | 3/8" | 34002104 |
| CIBH05 | 5/16" | 3/8" | 34002105 |
| CIBH06 | 3/8" | 1/2" | 34002106 |
| CIBH08 | 1/2" | 3/4" | 34002107 |

Locknuts



Locknut, BSPP

| 1315 | Thread | Equivalent |
|------|--------|------------|
| LN12 | 3/4" | 34022306 |
| LN16 | 1" | 34022308 |



Locknut NP, BSPP

| 1315 | Thread |
|--------|--------|
| LN02NP | 1/8" |
| LN04NP | 1/4" |
| LN06NP | 3/8" |
| LN08NP | 1/2" |
| LN12NP | 3/4" |
| LN16NP | 1" |

Elbow Connectors



Stem Elbow Connector, Imperial

| 1315 | Tube OD | Stem OD | Equivalent |
|--------|---------|---------|------------|
| CILS03 | 3/16" | 3/16" | 34005703 |
| CILS04 | 1/4" | 1/4" | 34005704 |
| CILS05 | 5/16" | 5/16" | 34005705 |
| CILS06 | 3/8" | 3/8" | 34005706 |
| CILS08 | 1/2" | 1/2" | 34005707 |



Universal Stem Elbow, Imperial

| 1315 | Stem OD | Equivalent |
|---------|---------|------------|
| CIUSL05 | 5/16" | 34029205 |
| CIUSL06 | 3/8" | 34029206 |

Elbows



Female Elbow Adaptor, Imperial, BSPP

| 1315 | Tube OD | Male Thread | Equivalent |
|-----------|---------|-------------|------------|
| CILF06/06 | 3/8" | 3/8" | 34032826 |
| CILF08/06 | 1/2" | 3/8" | 34032827 |
| CILF08/08 | 1/2" | 1/2" | 34032836 |



Elbow Connector, Imperial

| 1315 | Tube OD | Equivalent |
|-------|---------|------------|
| CIL04 | 1/4" | 34006004 |
| CIL05 | 5/16" | 34006005 |
| CIL06 | 3/8" | 34006006 |
| CIL08 | 1/2" | 34006007 |



Male Elbow Adaptor, Imperial, BSPT

| 1315 | Tube OD | Male Thread | Equivalent |
|-----------|---------|-------------|------------|
| CILM03/02 | 3/16" | 1/8" | 34033008 |
| CILM03/04 | 3/16" | 1/4" | 34033015 |
| CILM04/02 | 1/4" | 1/8" | 34033009 |
| CILM04/04 | 1/4" | 1/4" | 34033016 |
| CILM05/02 | 5/16" | 1/8" | 34033010 |
| CILM05/04 | 5/16" | 1/4" | 34033017 |
| CILM05/06 | 5/16" | 3/8" | 34033025 |
| CILM06/04 | 3/8" | 1/4" | 34033018 |
| CILM06/06 | 3/8" | 3/8" | 34033026 |

BRASS COMPRESSION FITTINGS, IMPERIAL



Tees



Male Tee Adaptor, Imperial, BSPT

| 1315 | Tube OD | Male Thread | Equivalent |
|-----------|---------|-------------|------------|
| CITM04/02 | 1/4" | 1/8" | 34033409 |
| CITM06/04 | 3/8" | 1/4" | 34033418 |



Tee Connector, Imperial

| 1315 | Tube OD | Equivalent |
|-------|---------|------------|
| CIT03 | 3/16" | 34029003 |
| CIT04 | 1/4" | 34029004 |
| CIT05 | 5/16" | 34029005 |
| CIT06 | 3/8" | 34029006 |
| CIT08 | 1/2" | 34029007 |
| CIT12 | 3/4" | 34029009 |



Male Tee Adaptor, Imperial, BSPT

| 1315 | Tube OD | Male Thread | Equivalent |
|-----------|---------|-------------|------------|
| CITR06/04 | 3/8" | 1/4" | 34033618 |



Bracketed Tee, Imperial

| 1315 | Tube OD | Equivalent |
|--------|---------|------------|
| CIBT03 | 3/16" | 34029303 |

Tee Connectors



Stem Tee Connector, Imperial

| 1315 | Tube OD | Stem OD | Equivalent |
|--------|---------|---------|------------|
| CITS04 | 1/4" | 1/4" | 34033904 |
| CITS06 | 3/8" | 3/8" | 34033906 |



Stem Run Tee Connector, Imperial

| 1315 | Tube OD | Stem OD | Equivalent |
|---------|---------|---------|------------|
| CITRS04 | 1/4" | 1/4" | 34034104 |



Universal Stem Tee, Imperial

| 1315 | Stem OD | Equivalent |
|---------|---------|------------|
| CIUST04 | 1/4" | 34034204 |
| CIUST06 | 3/8" | 34034206 |

Y Connectors



Y Connector, Imperial

| 1315 | Tube OD | Equivalent |
|-------|---------|------------|
| CIY06 | 3/8" | 34012706 |
| CIY08 | 1/2" | 34012707 |

Crosses



Four Way Connector, Imperial

| 1315 | Tube OD | Equivalent |
|-------|---------|------------|
| CIX06 | 3/8" | 34013106 |

Stem Adaptors



Nipped Stem Connector, Imperial

| 1315 | Tube OD | Stem OD | Equivalent |
|------------|---------|---------|------------|
| CISPN03/03 | 3/16" | 3/16" | 34001303 |
| CISPN04/04 | 1/4" | 1/4" | 34001304 |
| CISPN05/05 | 5/16" | 5/16" | 34001305 |
| CISPN06/06 | 3/8" | 3/8" | 34001306 |



Stem (Stand Pipe) x Hosetail Adaptor, Imperial

| 1315 | Standpipe | Hosetail | Equivalent |
|------------|-----------|----------|------------|
| CISPH03/03 | 3/16" | 3/16" | 34005603 |
| CISPH04/04 | 1/4" | 1/4" | 34005604 |
| CISPH05/05 | 5/16" | 5/16" | 34005605 |
| CISPH06/06 | 3/8" | 3/8" | 34005606 |
| CISPH08/08 | 1/2" | 1/2" | 34005607 |



Straight Stem Adaptor, Imperial, BSPT

| 1315 | Thread | Standpipe | Equivalent |
|-----------|--------|-----------|------------|
| CISP04/04 | 1/4" | 1/4" | - |
| CISP04/05 | 1/4" | 5/16" | 34034317 |

Manifolds



Single Side 4 Output Manifold, Imperial

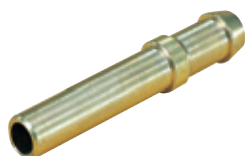
| 1315 | Inlet Tube OD | Outlet Tube OD | No. of Outlets | Equivalent |
|-----------|---------------|----------------|----------------|------------|
| CIMB08/04 | 1/2" | 1/4" | 4 | 34030441 |

ENOTS COMPRESSION FITTINGS, METRIC



- Wide range of types and sizes
- Suitable for use under extreme conditions of temperature and pressure
- Rugged and durable
- Ideal for most general industrial applications

Stem Adaptors



Tailpiece

| 0038 | Stem OD mm | To Suit Hose ID mm |
|----------|------------|--------------------|
| 36052424 | 6 | 6.3 |
| 36052425 | 8 | 6.3 |
| 36052442 | 10 | 10 |



Nippled

| 0038 | Stem OD mm | OD mm |
|----------|------------|-------|
| 36062507 | 12 | 12 |



Straight, BSPP

| 0038 | Stem OD mm | Thread |
|----------|------------|--------|
| 36052105 | 8 | 1/8" |
| 36052111 | 8 | 1/4" |



Straight, BSPT

| 0038 | Stem OD mm | Thread |
|----------|------------|--------|
| 36053104 | 6 | 1/8" |
| 36053110 | 6 | 1/4" |
| 36053111 | 8 | 1/4" |
| 36053112 | 10 | 1/4" |

Tubing Plugs



Tube

| 0038 | OD mm |
|----------|-------|
| 36050902 | 4 |
| 36050905 | 8 |
| 36050906 | 10 |
| 36050907 | 12 |

Tube Nut, Sleeve and Body

Manufactured from Bar:

Brass to BS 2874: 1986 (CZ 121)

Body Manufactured from Stamping:

Brass to BS 2872: 1969 (CZ 122)

Banjo bolts have a bright nickel plated finish

Bulkhead Locknuts



Metric

| 0038 | Thread |
|----------|-----------|
| 36052001 | M12 x 1.0 |
| 36052003 | M15 x 1.0 |
| 36052005 | M18 x 1.5 |
| 36052006 | M20 x 1.5 |
| 36052007 | M24 x 1.5 |

Bulkhead Connectors



Metric

| 0038 | OD mm | Thread |
|----------|-------|-----------|
| 36050804 | 6 | M15 x 1.0 |
| 36050805 | 8 | M18 x 1.5 |
| 36050806 | 10 | M20 x 1.5 |
| 36050807 | 12 | M24 x 1.5 |

Reducing Connectors



Tube x Tube

| 0038 | OD A mm | OD B mm |
|----------|---------|---------|
| 36051727 | 4 | 6 |
| 36051728 | 4 | 8 |
| 36051747 | 6 | 8 |
| 36051749 | 6 | 12 |
| 36051757 | 8 | 12 |

Fast Rotating Joints



BSPT

| 0038 | Thread |
|----------|--------|
| 04016100 | 1/4" |

Tube Types:

Nylon 11 or 12 and other plasticised or unplasticised tubing which conforms to the tolerances specified in BS5409: Part 1 1976. Copper, annealed and half-hard to BS2871: Part 2. Double wall brazed steel.

Straight Connectors



Equal

| 0038 | OD mm |
|----------|-------|
| 36050302 | 4 |
| 36050304 | 6 |
| 36050305 | 8 |
| 36050306 | 10 |
| 36050307 | 12 |



Bracketed

| 0038 | OD mm |
|----------|-------|
| 36055205 | 8 |

Nippled Adaptors



BSPT

| 0038 | OD mm | Thread |
|----------|-------|--------|
| 36055605 | 8 | 1/8" |
| 36055611 | 8 | 1/4" |



BSPP

| 0038 | OD mm | Thread |
|----------|-------|--------|
| 36055711 | 8 | 1/4" |
| 36055712 | 10 | 1/4" |
| 36055721 | 12 | 3/8" |

ENOTS COMPRESSION FITTINGS, METRIC

Straight Adaptors



Male, BSPT

| 0038 | OD mm | Thread |
|----------|-------|--------|
| 36053002 | 4 | 1/8" |
| 36053008 | 4 | 1/4" |
| 36053004 | 6 | 1/8" |
| 36053010 | 6 | 1/4" |
| 36053005 | 8 | 1/8" |
| 36053011 | 8 | 1/4" |
| 36053019 | 8 | 3/8" |
| 36053028 | 8 | 1/2" |
| 36053006 | 10 | 1/8" |
| 36053012 | 10 | 1/4" |
| 36053020 | 10 | 3/8" |
| 36053029 | 10 | 1/2" |
| 36053013 | 12 | 1/4" |
| 36053030 | 12 | 1/2" |
| 36053044 | 12 | 3/4" |



Male, BSPP

| 0038 | OD mm | Thread |
|----------|-------|--------|
| 36050402 | 4 | 1/8" |
| 36050404 | 6 | 1/8" |
| 36050405 | 8 | 1/8" |
| 36050411 | 8 | 1/4" |
| 36050428 | 8 | 1/2" |
| 36050412 | 10 | 1/4" |
| 36050420 | 10 | 3/8" |
| 36050429 | 10 | 1/2" |
| 36050413 | 12 | 1/4" |
| 36050421 | 12 | 3/8" |
| 36050430 | 12 | 1/2" |



Female, BSPP

| 0038 | OD mm | Thread |
|----------|-------|--------|
| 36050502 | 4 | 1/8" |
| 36050510 | 6 | 1/4" |
| 36050511 | 8 | 1/4" |
| 36050512 | 10 | 1/4" |
| 36050521 | 12 | 3/8" |
| 36050530 | 12 | 1/2" |

Elbow Connectors



Equal

| 0038 | OD mm |
|----------|-------|
| 36051104 | 6 |
| 36051107 | 12 |



Stem

| 0038 | OD mm | Stem OD mm |
|----------|-------|------------|
| 36055104 | 6 | 6 |
| 36055105 | 8 | 8 |
| 36055106 | 10 | 10 |
| 36055107 | 12 | 12 |



Bracketed

| 0038 | OD mm |
|----------|-------|
| 36054804 | 6 |
| 36054805 | 8 |

Tee Connectors



Equal

| 0038 | OD mm |
|----------|-------|
| 36051404 | 6 |
| 36051405 | 8 |
| 36051406 | 10 |
| 36051407 | 12 |



Bracketed

| 0038 | OD mm |
|----------|-------|
| 36054905 | 8 |

Tubing Nuts



Tube

| 0038 | OD mm |
|----------|-------|
| 36050002 | 4 |
| 36050003 | 5 |
| 36050004 | 6 |
| 36050005 | 8 |
| 36050006 | 10 |
| 36050007 | 12 |
| 36050008 | 16 |

Elbow Adaptors



Female, BSPP

| 0038 | OD mm | Thread |
|----------|-------|--------|
| 36055502 | 4 | 1/8" |
| 36055510 | 6 | 1/4" |
| 36055512 | 10 | 1/4" |
| 36055520 | 10 | 3/8" |



Male, BSPT

| 0038 | OD mm | Thread |
|----------|-------|--------|
| 36000502 | 4 | 1/8" |
| 36000508 | 4 | 1/4" |
| 36000504 | 6 | 1/8" |
| 36000510 | 6 | 1/4" |
| 36000505 | 8 | 1/8" |
| 36000511 | 8 | 1/4" |
| 36000512 | 10 | 1/4" |
| 36000520 | 10 | 3/8" |
| 36000529 | 10 | 1/2" |
| 36000513 | 12 | 1/4" |
| 36000521 | 12 | 3/8" |
| 36000530 | 12 | 1/2" |

Universal Tubing Sleeves



To suit Metal & Nylon Tube

| 0038 | OD mm |
|----------|-------|
| 36050102 | 4 |
| 36050103 | 5 |
| 36050105 | 8 |
| 36050106 | 10 |
| 36050107 | 12 |
| 36050108 | 16 |

Elbow Banjo Assemblies



Non-regulating, BSPP

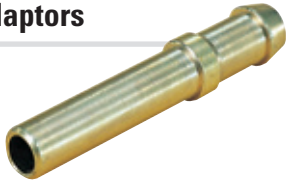
| 0038 | OD mm | Thread |
|-----------|-------|--------|
| 18A511028 | 10 | 1/4" |
| 18A511048 | 10 | 1/2" |
| 18A511238 | 12 | 3/8" |

ENOTS COMPRESSION FITTINGS, IMPERIAL



- Wide range of types and sizes
- Rugged and durable
- Suitable for use under extreme conditions of temperature and pressure
- Ideal for most general industrial applications

Stem Adaptors



Tailpiece

| 0038 | Stem OD | To Suit Hose ID |
|----------|---------|-----------------|
| 34005607 | 1/2" | 1/2" |

Tubing Plugs



Tube

| 0038 | OD |
|----------|------|
| 34003604 | 1/4" |

Bulkhead Locknuts



BSPP

| 0038 | Thread |
|----------|--------|
| 34022302 | 1/4" |
| 34022303 | 3/8" |

Bulkhead Connectors



BSPP

| 0038 | OD | Thread |
|----------|------|--------|
| 34002104 | 1/4" | 3/8" |

Straight Connectors



Equal

| 0038 | OD |
|----------|-------|
| 34000704 | 1/4" |
| 34000705 | 5/16" |
| 34000706 | 3/8" |
| 34000707 | 1/2" |

Tubing Nut, Sleeve and Body Manufactured from Bar:
Brass to BS 2874: 1986 (CZ 121)

Body Manufactured from Stamping:
Brass to BS 2872: 1969 (CZ 122)

Banjo bolts have a bright nickel plated finish

Straight Adaptors



Male, BSPT

| 0038 | OD | Thread |
|----------|-------|--------|
| 34034610 | 5/16" | 1/8" |
| 34034616 | 1/4" | 1/4" |
| 34034617 | 5/16" | 1/4" |
| 34034618 | 3/8" | 1/4" |
| 34034626 | 3/8" | 3/8" |
| 34034635 | 3/8" | 1/2" |
| 34034619 | 1/2" | 1/4" |
| 34034636 | 1/2" | 1/2" |



Male, BSPP

| 0038 | OD | Thread |
|----------|------|--------|
| 34034809 | 1/4" | 1/8" |



Female, BSPP

| 0038 | OD | Thread |
|----------|------|--------|
| 34034416 | 1/4" | 1/4" |

Elbow Connectors



Stem

| 0038 | OD | Stem OD |
|----------|------|---------|
| 34005704 | 1/4" | 1/4" |
| 34005706 | 3/8" | 3/8" |
| 34005707 | 1/2" | 1/2" |

Tube Types:

Nylon 11 or 12 and other plasticised or unplasticised tubing which conforms to the tolerances specified in BS5409: Part 1 1976. Copper, annealed and half-hard to BS2871: Part 2. Double wall brazed steel.

Elbow Adaptors



Male, BSPT

| 0038 | OD | Thread |
|----------|------|--------|
| 34033009 | 1/4" | 1/8" |
| 34033016 | 1/4" | 1/4" |
| 34033018 | 3/8" | 1/4" |
| 34033026 | 3/8" | 3/8" |
| 34033019 | 1/2" | 1/4" |
| 34033027 | 1/2" | 3/8" |

Tubing Nuts



Tube

| 0038 | OD |
|----------|-------|
| 34027903 | 3/16" |
| 34027904 | 1/4" |
| 34027905 | 5/16" |
| 34027906 | 3/8" |
| 34027907 | 1/2" |
| 34027909 | 3/4" |

Tubing Sleeves



To suit Metal Tube Only

| 0038 | OD |
|----------|-------|
| 34000303 | 3/16" |
| 34000304 | 1/4" |

Universal, To suit Metal & Nylon Tube

| 0038 | OD |
|----------|-------|
| 34027803 | 3/16" |
| 34027804 | 1/4" |
| 34027805 | 5/16" |
| 34027806 | 3/8" |

IMPERIAL BRASS COMPRESSION FITTINGS



Please note: Safe pressures and temperatures depend entirely on the tubes being used, for this reason the values must be determined in accordance with the tube features.

Media: Water, oils, compressed air

Use universal barrel olive for copper and nylon tube.

Male Studs



BSPT

| 0062 | OD | Thread |
|-------------|-------|--------|
| APMS-14-18 | 1/4" | 1/8" |
| APMS-14-14 | 1/4" | 1/4" |
| APMS-14-38 | 1/4" | 3/8" |
| APMS-14-12 | 1/4" | 1/2" |
| APMS-516-18 | 5/16" | 1/8" |
| APMS-516-14 | 5/16" | 1/4" |
| APMS-516-38 | 5/16" | 3/8" |
| APMS-516-12 | 5/16" | 1/2" |
| APMS-38-18 | 3/8" | 1/8" |
| APMS-38-14 | 3/8" | 1/4" |
| APMS-38-38 | 3/8" | 3/8" |
| APMS-38-12 | 3/8" | 1/2" |
| APMS-12-14 | 1/2" | 1/4" |
| APMS-12-38 | 1/2" | 3/8" |
| APMS-12-12 | 1/2" | 1/2" |

Tech Sheet 20193

Male Stud Elbows



BSPT

| 0062 | OD | Thread |
|-------------|-------|--------|
| APSE-14-18 | 1/4" | 1/8" |
| APSE-14-14 | 1/4" | 1/4" |
| APSE-14-38 | 1/4" | 3/8" |
| APSE-14-12 | 1/4" | 1/2" |
| APSE-516-18 | 5/16" | 1/8" |
| APSE-516-14 | 5/16" | 1/4" |
| APSE-516-38 | 5/16" | 3/8" |
| APSE-38-18 | 3/8" | 1/8" |
| APSE-38-14 | 3/8" | 1/4" |
| APSE-38-38 | 3/8" | 3/8" |
| APSE-38-12 | 3/8" | 1/2" |
| APSE-12-14 | 1/2" | 1/4" |
| APSE-12-38 | 1/2" | 3/8" |
| APSE-12-12 | 1/2" | 1/2" |

Tech Sheet 20194

Female Studs



BSPP

| 0062 | OD | Thread |
|-------------|-------|--------|
| APFS-14-18 | 1/4" | 1/8" |
| APFS-14-14 | 1/4" | 1/4" |
| APFS-14-38 | 1/4" | 3/8" |
| APFS-14-12 | 1/4" | 1/2" |
| APFS-516-14 | 5/16" | 1/4" |
| APFS-516-38 | 5/16" | 3/8" |
| APFS-516-12 | 5/16" | 1/2" |
| APFS-38-14 | 3/8" | 1/4" |
| APFS-38-38 | 3/8" | 3/8" |
| APFS-38-12 | 3/8" | 1/2" |
| APFS-12-14 | 1/2" | 1/4" |
| APFS-12-38 | 1/2" | 3/8" |
| APFS-12-12 | 1/2" | 1/2" |

Tech Sheet 20192

Brass Barrel Olives



| 0062 | OD |
|----------|-------|
| APBO-14 | 1/4" |
| APBO-516 | 5/16" |
| APBO-38 | 3/8" |
| APBO-12 | 1/2" |

Female Stud Elbows



BSPP

| 0062 | OD | Thread |
|-------------|-------|--------|
| APFE-14-14 | 1/4" | 1/4" |
| APFE-516-14 | 5/16" | 1/4" |
| APFE-38-38 | 3/8" | 3/8" |

Tech Sheet 20191

Brass Nuts



| 0062 | OD |
|---------|------|
| APBN-14 | 1/4" |
| APBN-38 | 3/8" |
| APBN-12 | 1/2" |

Tech Sheet 20189

Tees, Male Stud Branch



BSPT

| 0062 | OD | Thread |
|-------------|-------|--------|
| APST-14-18 | 1/4" | 1/8" |
| APST-14-14 | 1/4" | 1/4" |
| APST-516-14 | 5/16" | 1/4" |
| APST-38-14 | 3/8" | 1/4" |
| APST-12-14 | 1/2" | 1/4" |

Tech Sheet 20195

Equal Connectors



Tube x Tube

| 0062 | OD |
|----------|-------|
| APEC-14 | 1/4" |
| APEC-516 | 5/16" |
| APEC-38 | 3/8" |
| APEC-12 | 1/2" |

Tech Sheet 20187

Equal Tees



Tube x Tube

| 0062 | OD |
|----------|-------|
| APET-14 | 1/4" |
| APET-516 | 5/16" |
| APET-38 | 3/8" |
| APET-12 | 1/2" |

Tech Sheet 20190

Equal Elbows



Tube x Tube

| 0062 | OD |
|----------|-------|
| APEE-14 | 1/4" |
| APEE-516 | 5/16" |
| APEE-38 | 3/8" |
| APEE-12 | 1/2" |

Tech Sheet 20188

IMPERIAL BRASS COMPRESSION FITTINGS



Please note: Safe pressures and temperatures depend entirely on the tubes being used, for this reason the values must be determined in accordance with the tube features.

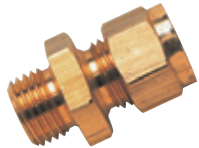
Media: Water, oils, compressed air

Male Studs



BSPP

| 1300 | OD | Thread |
|-----------|-------|--------|
| MST18-18 | 1/8" | 1/8" |
| MST18-14 | 1/8" | 1/4" |
| MST316-18 | 3/16" | 1/8" |
| MST316-14 | 3/16" | 1/4" |
| MST14-18 | 1/4" | 1/8" |
| MST14-14 | 1/4" | 1/4" |
| MST14-38 | 1/4" | 3/8" |
| MST14-12 | 1/4" | 1/2" |
| MST516-18 | 5/16" | 1/8" |
| MST516-14 | 5/16" | 1/4" |
| MST516-38 | 5/16" | 3/8" |
| MST38-18 | 3/8" | 1/8" |
| MST38-14 | 3/8" | 1/4" |
| MST38-38 | 3/8" | 3/8" |
| MST38-12 | 3/8" | 1/2" |
| MST12-14 | 1/2" | 1/4" |
| MST12-38 | 1/2" | 3/8" |
| MST12-12 | 1/2" | 1/2" |
| MST34-12 | 3/4" | 1/2" |
| MST34-34 | 3/4" | 3/4" |



BSPP

| 1300 | OD | Thread |
|-----------|-------|--------|
| MSP18-18 | 1/8" | 1/8" |
| MSP18-14 | 1/8" | 1/4" |
| MSP316-18 | 3/16" | 1/8" |
| MSP316-14 | 3/16" | 1/4" |
| MSP316-38 | 3/16" | 3/8" |
| MSP14-18 | 1/4" | 1/8" |
| MSP14-14 | 1/4" | 1/4" |
| MSP14-38 | 1/4" | 3/8" |
| MSP516-18 | 5/16" | 1/8" |
| MSP516-14 | 5/16" | 1/4" |
| MSP516-38 | 5/16" | 3/8" |
| MSP516-12 | 5/16" | 1/2" |
| MSP38-18 | 3/8" | 1/8" |
| MSP38-14 | 3/8" | 1/4" |
| MSP38-38 | 3/8" | 3/8" |
| MSP38-12 | 3/8" | 1/2" |
| MSP12-12 | 1/2" | 1/2" |
| MSP12-34 | 1/2" | 3/4" |
| MSP34-12 | 3/4" | 1/2" |
| MSP34-34 | 3/4" | 3/4" |
| MSP1-1 | 1" | 1" |

Female Studs



BSPP

| 1300 | OD | Thread |
|-----------|-------|--------|
| FSC18-18 | 1/8" | 1/8" |
| FSC18-14 | 1/8" | 1/4" |
| FSC316-18 | 3/16" | 1/8" |
| FSC316-14 | 3/16" | 1/4" |
| FSC316-38 | 3/16" | 3/8" |
| FSC14-18 | 1/4" | 1/8" |
| FSC14-14 | 1/4" | 1/4" |
| FSC14-38 | 1/4" | 3/8" |
| FSC14-12 | 1/4" | 1/2" |
| FSC516-18 | 5/16" | 1/8" |
| FSC516-14 | 5/16" | 1/4" |
| FSC516-38 | 5/16" | 3/8" |
| FSC516-12 | 5/16" | 1/2" |
| FSC38-18 | 3/8" | 1/8" |
| FSC38-14 | 3/8" | 1/4" |
| FSC38-38 | 3/8" | 3/8" |
| FSC38-12 | 3/8" | 1/2" |
| FSC12-14 | 1/2" | 1/4" |
| FSC12-12 | 1/2" | 1/2" |
| FSC34-12 | 3/4" | 1/2" |
| FSC34-34 | 3/4" | 3/4" |
| FSC1-1 | 1" | 1" |

Equal Ended



Tube x Tube

| 1300 | Thread |
|--------|--------|
| EEC18 | 1/8" |
| EEC316 | 3/16" |
| EEC14 | 1/4" |
| EEC516 | 5/16" |
| EEC38 | 3/8" |
| EEC12 | 1/2" |
| EEC34 | 3/4" |
| EEC1 | 1" |

Imperial to Metric Couplings



Tube x Tube

| 1300 | OD | ODmm |
|----------|------|------|
| IMC38-10 | 3/8" | 10 |

Equal Ended Bulkheads



Tube x Tube

| 1300 | OD | Thread |
|--------|-------|--------|
| EB18 | 1/8" | 1/8" |
| EB316 | 3/16" | 1/8" |
| EB14 | 1/4" | 1/4" |
| EB14/2 | 1/4" | 3/8" |
| EB516 | 5/16" | 1/8" |
| EB38 | 3/8" | 3/8" |
| EB12 | 1/2" | 1/2" |

Reducing Couplings



Tube x Tube

| 1300 | OD | OD |
|------------|-------|-------|
| RDC316-18 | 3/16" | 1/8" |
| RDC14-18 | 1/4" | 1/8" |
| RDC14-316 | 1/4" | 3/16" |
| RDC516-316 | 5/16" | 3/16" |
| RDC516-14 | 5/16" | 1/4" |
| RDC38-14 | 3/8" | 1/4" |
| RDC38-516 | 3/8" | 5/16" |
| RDC12-14 | 1/2" | 1/4" |
| RDC12-516 | 1/2" | 5/16" |
| RDC12-38 | 1/2" | 3/8" |

Tees, Male Stud Branch



BSPT

| 1300 | OD | Thread |
|----------|------|--------|
| MSB14-18 | 1/4" | 1/8" |
| MSB14-14 | 1/4" | 1/4" |
| MSB38-14 | 3/8" | 1/4" |
| MSB38-38 | 3/8" | 3/8" |
| MSB12-12 | 1/2" | 1/2" |

Equal Tees



Tube x Tube

| 1300 | OD |
|-------|-------|
| TE18 | 1/8" |
| TE316 | 3/16" |
| TE14 | 1/4" |
| TE516 | 5/16" |
| TE38 | 3/8" |
| TE12 | 1/2" |
| TE34 | 3/4" |

IMPERIAL BRASS COMPRESSION FITTINGS



Tees, Male Stud Run



BSPT

| 1300 | OD | Thread |
|-----------|-------|--------|
| MSR14-18 | 1/4" | 1/8" |
| MSR14-14 | 1/4" | 1/4" |
| MSR516-14 | 5/16" | 1/4" |
| MSR38-38 | 3/8" | 3/8" |

Reducing Branch Tees



Tube x Tube

| 1300 | OD | Branch OD |
|----------|-------|-----------|
| RT14-316 | 1/4" | 3/16" |
| RT516-14 | 5/16" | 1/4" |
| RT38-14 | 3/8" | 1/4" |
| RT38-516 | 3/8" | 5/16" |
| RT12-14 | 1/2" | 1/4" |
| RT12-38 | 1/2" | 3/8" |

Equal Ended Crosses



Tube x Tube

| 1300 | OD |
|-------|-------|
| EX14 | 1/4" |
| EX516 | 5/16" |
| EX12 | 1/2" |

Flanged Blanking Plugs



BSPP

| 1300 | Thread |
|-------|--------|
| FBP18 | 1/8" |
| FBP14 | 1/4" |
| FBP38 | 3/8" |
| FBP12 | 1/2" |
| FBP34 | 3/4" |
| FBP1 | 1" |

End Stops



Tube

| 1300 | OD |
|-------|-------|
| ES316 | 3/16" |
| ES14 | 1/4" |
| ES516 | 5/16" |
| ES38 | 3/8" |
| ES12 | 1/2" |
| ES34 | 3/4" |

Standpipe Elbows



Tube x Stem

| 1300 | Stem OD | OD |
|--------|---------|-------|
| SPE516 | 5/16" | 5/16" |
| SPE38 | 3/8" | 3/8" |
| SPE12 | 1/2" | 1/2" |

Female Stud Elbows



BSPP

| 1300 | OD | Thread |
|-----------|-------|--------|
| FSE316-18 | 3/16" | 1/8" |
| FSE14-18 | 1/4" | 1/8" |
| FSE14-14 | 1/4" | 1/4" |
| FSE516-14 | 5/16" | 1/4" |
| FSE38-14 | 3/8" | 1/4" |
| FSE38-38 | 3/8" | 3/8" |
| FSE38-12 | 3/8" | 1/2" |
| FSE12-12 | 1/2" | 1/2" |

Equal Elbows



Tube x Tube

| 1300 | OD |
|-------|-------|
| EL18 | 1/8" |
| EL316 | 3/16" |
| EL14 | 1/4" |
| EL516 | 5/16" |
| EL38 | 3/8" |
| EL12 | 1/2" |
| EL34 | 3/4" |

Male Stud Elbows



BSPT

| 1300 | OD | Thread |
|-----------|-------|--------|
| MSE18-18 | 1/8" | 1/8" |
| MSE316-18 | 3/16" | 1/8" |
| MSE316-14 | 3/16" | 1/4" |
| MSE14-18 | 1/4" | 1/8" |
| MSE14-14 | 1/4" | 1/4" |
| MSE14-38 | 1/4" | 3/8" |
| MSE516-18 | 5/16" | 1/8" |
| MSE516-14 | 5/16" | 1/4" |
| MSE38-18 | 3/8" | 1/8" |
| MSE38-14 | 3/8" | 1/4" |
| MSE38-38 | 3/8" | 3/8" |
| MSE12-14 | 1/2" | 1/4" |
| MSE12-38 | 1/2" | 3/8" |
| MSE12-12 | 1/2" | 1/2" |
| MSE34-34 | 3/4" | 3/4" |

Brass Compression Rings



| 1300 | OD |
|-------|-------|
| CR18 | 1/8" |
| CR316 | 3/16" |
| CR14 | 1/4" |
| CR516 | 5/16" |
| CR38 | 3/8" |
| CR12 | 1/2" |
| CR34 | 3/4" |
| CR1 | 1" |

Fulham Nozzles



Female Thread, BSPP

| 1300 | To Suit Hose ID | Thread |
|-------|-----------------|--------|
| FNF18 | 3/8" | 1/8" |
| FNF14 | 3/8" | 1/4" |
| FNF38 | 3/8" | 3/8" |

Male Thread, BSPT



| 1300 | To Suit Hose ID | Thread |
|------|-----------------|--------|
| FN18 | 3/8" | 1/8" |
| FN14 | 3/8" | 1/4" |
| FN38 | 3/8" | 3/8" |

Male Thread, BSPP



| 1300 | To Suit Hose ID | Thread |
|-------|-----------------|--------|
| FNP18 | 3/8" | 1/8" |
| FNP14 | 3/8" | 1/4" |

Tube x Hose Tail



| 1300 | To Suit Hose ID | OD |
|--------|-----------------|-------|
| FNT14 | 3/8" | 1/4" |
| FNT516 | 3/8" | 5/16" |

Compression Nuts



BSPP

| 1300 | OD | Thread |
|-------|-------|--------|
| UN18 | 1/8" | 1/8" |
| UN316 | 3/16" | 1/8" |
| UN14 | 1/4" | 1/4" |
| UN516 | 5/16" | 1/4" |
| UN38 | 3/8" | 3/8" |
| UN12 | 1/2" | 1/2" |
| UN34 | 3/4" | 3/4" |

Copper Washers for BSPP Stud Ends



To suit BSPP

| 1300 | Male Thread | Female Thread |
|-------|-------------|---------------|
| CW18 | 1/8" | 3/8" |
| CW14 | 1/4" | 1/2" |
| CW38 | 3/8" | 3/4" |
| CW12 | 1/2" | 7/8" |
| CW34 | 3/4" | - |
| CW1 | 1" | - |
| CW114 | 1.1/4" | - |
| CW112 | 1.1/2" | - |
| CW2 | 2" | - |

Tech Sheet 20358

METRIC BRASS COMPRESSION FITTINGS



Please note: Safe pressures and temperatures depend entirely on the tubes being used, for this reason the values must be determined in accordance with the tube features.

Media: Water, oils, compressed air

Male Studs



BSPT

| 1040 | OD mm | Thread |
|-------------|-------|--------|
| 13480-4-18 | 4 | 1/8" |
| 13480-4-14 | 4 | 1/4" |
| 13480-6-18 | 6 | 1/8" |
| 13480-6-14 | 6 | 1/4" |
| 13480-6-38 | 6 | 3/8" |
| 13480-8-18 | 8 | 1/8" |
| 13480-8-14 | 8 | 1/4" |
| 13480-8-38 | 8 | 3/8" |
| 13480-10-14 | 10 | 1/4" |
| 13480-10-38 | 10 | 3/8" |
| 13480-10-12 | 10 | 1/2" |
| 13480-12-14 | 12 | 1/4" |
| 13480-12-38 | 12 | 3/8" |
| 13480-12-12 | 12 | 1/2" |
| 13480-14-12 | 14 | 1/2" |
| 13480-15-12 | 15 | 1/2" |
| 13480-22-12 | 22 | 1/2" |
| 13480-22-34 | 22 | 3/4" |

Tech Sheet 68743



BSPP

| 1040 | OD mm | Thread |
|-------------|-------|--------|
| 13485-4-18 | 4 | 1/8" |
| 13485-6-18 | 6 | 1/8" |
| 13485-6-14 | 6 | 1/4" |
| 13485-8-18 | 8 | 1/8" |
| 13485-8-14 | 8 | 1/4" |
| 13485-8-38 | 8 | 3/8" |
| 13485-10-14 | 10 | 1/4" |
| 13485-10-38 | 10 | 3/8" |
| 13485-22-34 | 22 | 3/4" |
| 13485-22-1 | 22 | 1" |

Tech Sheet 68743

Standpipe Adaptors



BSPP

| 1040 | OD mm | Thread |
|-------------|-------|--------|
| 13530-6-18 | 6 | 1/8" |
| 13530-6-14 | 6 | 1/4" |
| 13530-8-14 | 8 | 1/4" |
| 13530-8-38 | 8 | 3/8" |
| 13530-10-14 | 10 | 1/4" |
| 13530-10-38 | 10 | 3/8" |

Tech Sheet 68743

Female Studs



BSPP

| 1040 | OD mm | Thread |
|-------------|-------|--------|
| 13500-4-18 | 4 | 1/8" |
| 13500-4-14 | 4 | 1/4" |
| 13500-6-18 | 6 | 1/8" |
| 13500-6-14 | 6 | 1/4" |
| 13500-8-18 | 8 | 1/8" |
| 13500-8-14 | 8 | 1/4" |
| 13500-8-38 | 8 | 3/8" |
| 13500-10-14 | 10 | 1/4" |
| 13500-10-38 | 10 | 3/8" |
| 13500-10-12 | 10 | 1/2" |
| 13500-12-14 | 12 | 1/4" |
| 13500-12-38 | 12 | 3/8" |
| 13500-12-12 | 12 | 1/2" |
| 13500-14-12 | 14 | 1/2" |
| 13500-15-12 | 15 | 1/2" |
| 13500-22-34 | 22 | 3/4" |

Tech Sheet 68743

Male Stud Elbows



BSPT

| 1040 | OD mm | Thread |
|-------------|-------|--------|
| 13280-4-18 | 4 | 1/8" |
| 13280-6-18 | 6 | 1/8" |
| 13280-6-14 | 6 | 1/4" |
| 13280-8-18 | 8 | 1/8" |
| 13280-8-14 | 8 | 1/4" |
| 13280-8-38 | 8 | 3/8" |
| 13280-10-14 | 10 | 1/4" |
| 13280-10-38 | 10 | 3/8" |
| 13280-10-12 | 10 | 1/2" |
| 13280-12-14 | 12 | 1/4" |
| 13280-12-38 | 12 | 3/8" |
| 13280-12-12 | 12 | 1/2" |
| 13280-14-12 | 14 | 1/2" |
| 13280-15-12 | 15 | 1/2" |
| 13280-22-34 | 22 | 3/4" |

Tech Sheet 68743

Equal Elbows



Tube x Tube

| 1040 | OD mm |
|----------|-------|
| 13260-4 | 4 |
| 13260-6 | 6 |
| 13260-8 | 8 |
| 13260-10 | 10 |
| 13260-12 | 12 |
| 13260-15 | 15 |
| 13260-22 | 22 |

Tech Sheet 68743

Bulkhead Connectors



Tube x Tube

| 1040 | OD mm |
|----------|-------|
| 13465-4 | 4 |
| 13465-6 | 6 |
| 13465-8 | 8 |
| 13465-10 | 10 |
| 13465-12 | 12 |
| 13465-14 | 14 |

Tech Sheet 68743

Straight Connectors



Tube x Tube

| 1040 | OD mm |
|----------|-------|
| 13460-4 | 4 |
| 13460-6 | 6 |
| 13460-8 | 8 |
| 13460-10 | 10 |
| 13460-12 | 12 |
| 13460-15 | 15 |
| 13460-22 | 22 |

Tech Sheet 68743

Internal Tube Supports

- This internal tube support, will prevent the tube from crushing caused by over tightening of compression type fittings or clamps



Tube

| 1000 | To Suit Hose ID mm |
|----------|--------------------|
| 877-0027 | 2.7 |
| 877-0004 | 4 |
| 877-0006 | 6 |
| 877-0008 | 8 |
| 877-0009 | 9 |
| 877-0010 | 10 |
| 877-0012 | 12 |
| 877-0125 | 12.5 |
| 877-0013 | 13 |
| 877-0015 | 15 |
| 877-0016 | 16 |
| 877-0018 | 18 |

METRIC BRASS COMPRESSION FITTINGS



Equal Crosses

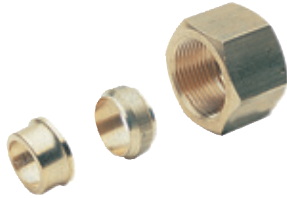


Tube x Tube

| 1040 | OD mm |
|----------|-------|
| 13510-6 | 6 |
| 13510-8 | 8 |
| 13510-10 | 10 |
| 13510-12 | 12 |

Tech Sheet 68743

Reducers



Tube

| 1040 | ID mm | OD mm |
|-------------|-------|-------|
| 13600-4-6 | 4 | 6 |
| 13600-6-8 | 6 | 8 |
| 13600-8-10 | 8 | 10 |
| 13600-10-12 | 10 | 12 |

Tech Sheet 68743

Male Stud Tees



BSPT

| 1040 | OD mm | Thread |
|-------------|-------|--------|
| 13220-4-18 | 4 | 1/8" |
| 13220-6-18 | 6 | 1/8" |
| 13220-6-14 | 6 | 1/4" |
| 13220-8-18 | 8 | 1/8" |
| 13220-8-14 | 8 | 1/4" |
| 13220-8-38 | 8 | 3/8" |
| 13220-10-14 | 10 | 1/4" |
| 13220-10-38 | 10 | 3/8" |
| 13220-10-12 | 10 | 1/2" |
| 13220-12-38 | 12 | 3/8" |
| 13220-14-12 | 14 | 1/2" |
| 13220-15-12 | 15 | 1/2" |
| 13220-22-34 | 22 | 3/4" |

Tech Sheet 68743

Equal Tees



Tube x Tube

| 1040 | OD mm |
|----------|-------|
| 13200-4 | 4 |
| 13200-6 | 6 |
| 13200-8 | 8 |
| 13200-10 | 10 |
| 13200-12 | 12 |
| 13200-14 | 14 |
| 13200-22 | 22 |

Tech Sheet 68743

Hose Tail Stem Adaptors

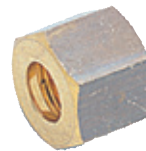


Stem x Hose Tail

| 1040 | Stem OD mm | To Suit Hose ID mm |
|-------------|------------|--------------------|
| 13540-6-7 | 6 | 7 |
| 13540-8-7 | 8 | 7 |
| 13540-8-10 | 8 | 10 |
| 13540-10-10 | 10 | 10 |
| 13540-12-10 | 12 | 10 |
| 13540-12-13 | 12 | 13 |

Tech Sheet 68743

Nuts



Tube

| 1040 | OD mm | Thread |
|----------|-------|-----------|
| 13680-4 | 4 | M8 x 1 |
| 13680-6 | 6 | M10 x 1 |
| 13680-8 | 8 | M12 x 1 |
| 13680-10 | 10 | M16 x 1.5 |
| 13680-12 | 12 | M18 x 1.5 |
| 13680-14 | 14 | M20 x 1.5 |
| 13680-15 | 15 | M20 x 1.5 |

Tech Sheet 68743

Brass Olives



Tube

| 1040 | OD mm |
|----------|-------|
| 13740-4 | 4 |
| 13740-6 | 6 |
| 13740-8 | 8 |
| 13740-10 | 10 |
| 13740-12 | 12 |
| 13740-14 | 14 |
| 13740-15 | 15 |
| 13740-22 | 22 |

Tech Sheet 68743

Single Banjo Body with Stem



BSPP

| 1040 | OD mm | Thread |
|-------------|-------|--------|
| 13550-4-18 | 4 | 1/8" |
| 13550-6-18 | 6 | 1/8" |
| 13550-6-14 | 6 | 1/4" |
| 13550-8-18 | 8 | 1/8" |
| 13550-8-14 | 8 | 1/4" |
| 13550-8-38 | 8 | 3/8" |
| 13550-10-14 | 10 | 1/4" |
| 13550-10-38 | 10 | 3/8" |

Tech Sheet 68743

Blanking Plugs



Tube

| 1040 | OD mm |
|----------|-------|
| 13780-4 | 4 |
| 13780-6 | 6 |
| 13780-8 | 8 |
| 13780-10 | 10 |
| 13780-12 | 12 |
| 13780-14 | 14 |
| 13780-15 | 15 |
| 13780-22 | 22 |

Tech Sheet 68743

METRIC NICKEL PLATED COMPRESSION FITTINGS



Please note: Safe pressures and temperatures depend entirely on the tubes being used. For this reason, the values must be determined in accordance with the tube features.

Media: Water, oils and compressed air.

Male Studs

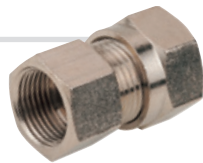


BSPT

| 1040 | OD mm | Thread |
|-----------|-------|--------|
| 2018-5336 | 4 | 1/8" |
| 2018-5344 | 6 | 1/8" |
| 2018-5351 | 6 | 1/4" |
| 2018-5369 | 8 | 1/8" |
| 2018-5377 | 8 | 1/4" |
| 2018-5385 | 8 | 3/8" |
| 2018-5393 | 10 | 1/4" |
| 2018-5401 | 10 | 3/8" |
| 2018-5419 | 12 | 3/8" |
| 2018-5435 | 12 | 1/2" |
| 2018-5436 | 14 | 1/2" |
| 2018-5914 | 15 | 1/2" |
| 2018-5915 | 16 | 1/2" |
| 2018-5916 | 18 | 1/2" |

Tech Sheet 68742

Female Studs



BSPP

| 1040 | OD mm | Thread |
|-----------|-------|--------|
| 2018-5468 | 4 | 1/8" |
| 2018-5476 | 6 | 1/8" |
| 2018-5484 | 6 | 1/4" |
| 2018-5492 | 8 | 1/8" |
| 2018-5500 | 8 | 1/4" |
| 2018-5518 | 8 | 3/8" |
| 2018-5526 | 10 | 1/4" |
| 2018-5534 | 10 | 3/8" |
| 2018-5542 | 12 | 3/8" |
| 2018-5559 | 12 | 1/2" |
| 2018-5567 | 15 | 1/2" |

Tech Sheet 68742

Straight Connectors



Tube x Tube

| 1040 | OD mm |
|-----------|-------|
| 2018-5773 | 4 |
| 2018-5880 | 6 |
| 2018-5922 | 8 |
| 2018-5930 | 10 |
| 2018-5948 | 12 |
| 2018-5951 | 16 |

Tech Sheet 68742

Male Stud Elbows



BSPT

| 1040 | OD mm | Thread |
|-----------|-------|--------|
| 2018-5666 | 4 | 1/8" |
| 2018-5674 | 6 | 1/8" |
| 2018-5682 | 6 | 1/4" |
| 2018-5690 | 8 | 1/8" |
| 2018-5708 | 8 | 1/4" |
| 2018-5716 | 8 | 3/8" |
| 2018-5724 | 10 | 1/4" |
| 2018-5732 | 10 | 3/8" |
| 2018-5740 | 12 | 3/8" |
| 2018-5757 | 12 | 1/2" |
| 2018-5766 | 14 | 1/2" |
| 2018-5765 | 15 | 1/2" |
| 2018-5767 | 16 | 1/2" |

Tech Sheet 68742

Equal Elbows



Tube x Tube

| 1040 | OD mm |
|-----------|-------|
| 2018-5575 | 4 |
| 2018-5583 | 6 |
| 2018-5591 | 8 |
| 2018-5609 | 10 |
| 2018-5617 | 12 |
| 2018-5626 | 14 |
| 2018-5625 | 15 |

Tech Sheet 68742

Equal Tees



Tube x Tube

| 1040 | OD mm |
|-----------|-------|
| 2018-5971 | 6 |
| 2018-5989 | 8 |
| 2018-5997 | 10 |
| 2018-6003 | 12 |

Tech Sheet 68742

Male Stud Branch Tees



BSPT

| 1040 | OD mm | Thread |
|-----------|-------|--------|
| 2018-6045 | 6 | 1/4" |
| 2018-6060 | 8 | 1/8" |
| 2018-6094 | 8 | 1/4" |
| 2018-6128 | 10 | 1/4" |
| 2018-6151 | 12 | 3/8" |
| 2018-6169 | 12 | 1/2" |
| 2018-6177 | 15 | 1/2" |

Tech Sheet 68742

Olives

Brass

| 1040 | OD mm |
|-----------|-------|
| 2018-6243 | 4 |
| 2018-6250 | 6 |
| 2018-6268 | 8 |
| 2018-6276 | 10 |
| 2018-6284 | 12 |
| 2018-6292 | 15 |
| 2018-6296 | 18 |

Tech Sheet 68742



Nuts

BSPP

| 1040 | OD mm | Thread |
|-----------|-------|---------|
| 2018-6185 | 4 | M8 x 1 |
| 2018-6193 | 6 | M10 x 1 |
| 2018-6201 | 8 | M12 x 1 |

Tech Sheet 68742



Brass, Universal

| 1040 | OD mm |
|-----------|-------|
| 2018-3001 | 4 |
| 2018-3002 | 6 |
| 2018-3003 | 8 |
| 2018-3004 | 10 |
| 2018-3005 | 12 |
| 2018-3009 | 18 |

Tech Sheet 68742



PTFE

| 1040 | OD mm |
|-----------|-------|
| 2018-3022 | 4 |
| 2018-3023 | 6 |
| 2018-3024 | 8 |
| 2018-3025 | 10 |
| 2018-3026 | 12 |
| 2018-3029 | 16 |
| 2018-3031 | 22 |

Tech Sheet 30104



Single Banjos



BSPP

| 1040 | OD mm | Thread |
|-----------|-------|--------|
| 2018-3041 | 6 | 1/8" |
| 2018-3042 | 6 | 1/4" |
| 2018-3044 | 8 | 1/4" |

Tech Sheet 68742

METRIC NICKEL PLATED COMPRESSION FITTINGS



Body:
OT 58 brass

Temperature Range:
-45°C to +80°C

Maximum Pressure:
60 bar (dependant upon tubing specification)

For use with copper tube

Male Stud



**BSP Tapered x Tube,
Nickel Plated Brass**

| 9152 | Thread | Tube mm | |
|---------|--------|---------|----|
| | | OD | ID |
| 2201001 | 1/8" | 4 | 2 |
| 2201002 | 1/8" | 6 | 4 |
| 2201003 | 1/4" | 6 | 4 |
| 2201004 | 1/8" | 8 | 6 |
| 2201005 | 1/4" | 8 | 6 |

Male Stud Elbow



**BSP Tapered x Tube,
Nickel Plated Brass**

| 9152 | Thread BSPT | Tube mm | |
|---------|-------------|---------|----|
| | | OD | ID |
| 2205001 | 1/8" | 4 | 2 |
| 2205002 | 1/8" | 6 | 4 |
| 2205003 | 1/4" | 6 | 4 |
| 2205004 | 1/8" | 8 | 6 |
| 2205005 | 1/4" | 8 | 6 |
| 2205007 | 1/4" | 10 | 8 |
| 2205008 | 3/8" | 10 | 8 |
| 2205009 | 1/2" | 10 | 8 |
| 2205010 | 3/8" | 12 | 10 |
| 2205011 | 1/2" | 12 | 10 |
| 2205012 | 1/2" | 15 | 12 |

Female Stud



BSP Parallel x Tube, Nickel Plated Brass

| 9152 | Thread BSPP | Tube mm | |
|---------|-------------|---------|----|
| | | OD | ID |
| 2202001 | 1/8" | 6 | 4 |
| 2202002 | 1/4" | 6 | 4 |
| 2202004 | 1/4" | 8 | 6 |
| 2202005 | 3/8" | 8 | 6 |
| 2202006 | 1/4" | 10 | 8 |
| 2202007 | 3/8" | 10 | 8 |

Equal Elbow



Tube x Tube, Nickel Plated Brass

| 9152 | OD | Tube mm | |
|---------|----|---------|----|
| | | ID | ID |
| 2206001 | 4 | 2 | 2 |
| 2206002 | 6 | 4 | 4 |
| 2206003 | 8 | 6 | 6 |
| 2206004 | 10 | 8 | 8 |
| 2206005 | 12 | 10 | 10 |
| 2206006 | 15 | 12 | 12 |

Equal Tee



Tube x Tube, Nickel Plated Brass

| 9152 | OD | Tube mm | |
|---------|----|---------|----|
| | | ID | ID |
| 2209001 | 4 | 2 | 2 |
| 2209002 | 6 | 4 | 4 |
| 2209003 | 8 | 6 | 6 |
| 2209004 | 10 | 8 | 8 |
| 2209005 | 12 | 10 | 10 |
| 2209006 | 15 | 12 | 12 |

Male Stud Branch Tee



BSP Tapered x Tube

| 9152 | Thread | Tube mm | |
|---------|--------|---------|----|
| | | OD | ID |
| 2207001 | 1/8" | 4 | 2 |
| 2207002 | 1/8" | 6 | 4 |
| 2207003 | 1/4" | 6 | 4 |
| 2207004 | 1/8" | 8 | 6 |
| 2207005 | 1/4" | 8 | 6 |
| 2207006 | 3/8" | 8 | 6 |
| 2207008 | 3/8" | 10 | 8 |
| 2207011 | 1/2" | 12 | 10 |

Male Run Tee



BSP Tapered x Tube

| 9152 | Thread | Tube mm | |
|---------|--------|---------|----|
| | | OD | ID |
| 2208002 | 1/4" | 6 | 4 |
| 2208003 | 1/8" | 8 | 6 |
| 2208005 | 3/8" | 8 | 6 |
| 2208006 | 1/4" | 10 | 8 |
| 2208007 | 3/8" | 10 | 8 |
| 2208009 | 3/8" | 12 | 10 |
| 2208010 | 1/2" | 12 | 10 |
| 2208011 | 1/2" | 15 | 12 |

Straight Connector



Tube x Tube

| 9152 | Tube mm | |
|---------|---------|----|
| | OD | ID |
| 2203001 | 4 | 2 |
| 2203002 | 6 | 4 |
| 2203003 | 8 | 6 |
| 2203004 | 10 | 8 |
| 2203005 | 12 | 10 |
| 2203006 | 15 | 12 |

Bulkhead Connector



Tube x Tube

| 9152 | Tube mm | |
|---------|---------|----|
| | OD | ID |
| 2204001 | 6 | 4 |
| 2204002 | 8 | 6 |
| 2204003 | 10 | 8 |
| 2204004 | 12 | 10 |

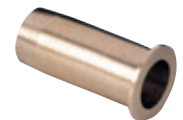
Spare Compression Olive



Brass

| 9152 | Tube mm | |
|---------|---------|----|
| | OD | ID |
| 2211001 | 4 | 2 |
| 2211002 | 6 | 4 |
| 2211003 | 8 | 6 |
| 2211004 | 10 | 8 |
| 2211005 | 12 | 10 |

Tube Inserts



Brass

| 9152 | To Suit Tube mm | |
|---------|-----------------|----|
| | OD | ID |
| 2212001 | 6 | 4 |
| 2212002 | 8 | 6 |
| 2212003 | 10 | 8 |
| 2212004 | 12 | 10 |
| 2212005 | 15 | 12 |

COPPER TUBING

Copper Tubing - Annealed to BS EN12449/C106 (Soft)



Metric, 10 Metre Lengths

| 5070 | OD mm | ID mm | Max Pressure PSI | Max Pressure Bar |
|--------|-------|-------|------------------|------------------|
| MCT-4 | 4 | 2.8 | 1,993 | 137 |
| MCT-5 | 5 | 3.4 | 2,124 | 146 |
| MCT-6 | 6 | 4.4 | 1,760 | 121 |
| MCT-8 | 8 | 6.4 | 1,324 | 91 |
| MCT-10 | 10 | 8.4 | 1,047 | 72 |
| MCT-12 | 12 | 10.4 | 1,000 | 69 |

Tech Sheet 820

Metric, 30 Metre Lengths

| 5070 | OD mm | ID mm | Max Pressure PSI | Max Pressure Bar |
|------------|-------|-------|------------------|------------------|
| MCT-4/30 | 4 | 2.8 | 1,993 | 137 |
| MCT-6/30 | 6 | 4.4 | 1,760 | 121 |
| MCT-6-4/30 | 6 | 4 | 2,669 | 184 |
| MCT-8/30 | 8 | 6.4 | 1,324 | 91 |
| MCT-10/30 | 10 | 8.4 | 1,047 | 72 |
| MCT-12/30 | 12 | 10.4 | 1,000 | 69 |
| MCT-15/30 | 15 | 13 | 1,091 | 75 |

Tech Sheet 820

Imperial, 10 Metre Lengths

| 5070 | OD | ID | SWG | Max Pressure PSI | Max Pressure Bar |
|---------|-------|--------|-----|------------------|------------------|
| ICT-18 | 1/8" | 0.069" | 22 | 3,026 | 209 |
| ICT-316 | 3/16" | 0.131" | 22 | 1,978 | 136 |
| ICT-14 | 1/4" | 0.194" | 22 | 1,484 | 102 |
| ICT-516 | 5/16" | 0.256" | 22 | 1,178 | 81 |
| ICT-38 | 3/8" | 0.319" | 22 | 974 | 67 |
| ICT-12 | 1/2" | 0.428" | 20 | 945 | 65 |
| ICT-58 | 5/8" | 0.553" | 20 | 742 | 51 |

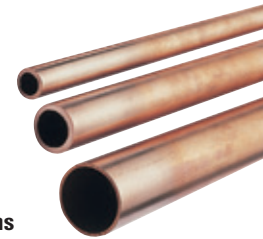
Tech Sheet 820

Imperial, 30 Metre Lengths

| 5070 | OD | ID | SWG | Max Pressure PSI | Max Pressure Bar |
|-----------------|-------|--------|-----|------------------|------------------|
| ICT-18/30 | 1/8" | 0.069" | 22 | 3,026 | 209 |
| ICT-316/30 | 3/16" | 0.131" | 22 | 1,978 | 136 |
| ICT-14/30 | 1/4" | 0.194" | 22 | 1,484 | 102 |
| ICT-14/30-20SWG | 1/4" | 0.178" | 20 | 2,244 | 155 |
| ICT-516/30 | 5/16" | 0.256" | 22 | 1,178 | 81 |
| ICT-38/30 | 3/8" | 0.319" | 22 | 974 | 67 |
| ICT-38/30-18SWG | 3/8" | 0.279" | 18 | 1,958 | 135 |
| ICT-12/30 | 1/2" | 0.428" | 20 | 945 | 65 |
| ICT-12/30-18SWG | 1/2" | 0.404" | 18 | 1,417 | 98 |
| ICT-58/30 | 5/8" | 0.553" | 18 | 742 | 51 |

Tech Sheet 820

Plumbing Copper Tube



Type: BS EN1057 R250, 3 Metre Lengths

| 5072 | OD mm | ID mm | Max Pressure PSI | Max Pressure Bar |
|-------|-------|-------|------------------|------------------|
| PCU15 | 15 | 13.6 | 843 | 59 |
| PCU22 | 22 | 20.2 | 752 | 51 |
| PCU28 | 28 | 26.2 | 582 | 40 |
| PCU35 | 35 | 32.6 | 618 | 43 |
| PCU42 | 42 | 39.6 | 512 | 35 |
| PCU54 | 54 | 51.6 | 396 | 27 |
| PCU67 | 67 | 64.6 | 317 | 22 |

Copper Tubing - Half Hard



Metric, 3 Metre Lengths

| 5070 | OD mm | ID mm | Max Pressure PSI | Max Pressure Bar |
|--------|-------|-------|------------------|------------------|
| MTS-4 | 4 | 2.8 | 2,604 | 180 |
| MTS-6 | 6 | 4 | 2,885 | 199 |
| MTS-8 | 8 | 6 | 2,167 | 149 |
| MTS-10 | 10 | 8 | 1,731 | 119 |
| MTS-12 | 12 | 10 | 1,440 | 99 |
| MTS-15 | 15 | 13 | 1,149 | 79 |
| MTS-16 | 16 | 13.6 | 1,280 | 88 |
| MTS-18 | 18 | 15.6 | 1,193 | 82 |
| MTS-22 | 22 | 20 | 931 | 64 |
| MTS-28 | 28 | 25 | 902 | 62 |

Imperial, 3 Metre Lengths

| 5070 | OD | ID | SWG | Max Pressure PSI | Max Pressure Bar |
|---------------|--------|--------|-----|------------------|------------------|
| ITS-18 | 1/8" | 0.069" | 22 | 3,928 | 271 |
| ITS-316 | 3/16" | 0.131" | 22 | 2,589 | 179 |
| ITS-14 | 1/4" | 0.178" | 20 | 2,488 | 172 |
| ITS-516 | 5/16" | 0.241" | 20 | 1,978 | 136 |
| ITS-38 | 3/8" | 0.303" | 20 | 1,644 | 113 |
| ITS-12 | 1/2" | 0.428" | 20 | 1,236 | 85 |
| ITS-12-18SWG | 1/2" | 0.404" | 18 | 1,848 | 127 |
| ITS-12-16SWG | 1/2" | 0.372" | 16 | 2,556 | 176 |
| ITS-12-10SWG | 1/2" | 0.244" | 10 | 5,988 | 413 |
| ITS-58 | 5/8" | 0.529" | 18 | 974 | 67 |
| ITS-34-18SWG | 3/4" | 0.654" | 18 | 1,190 | 82 |
| ITS-34 | 3/4" | 0.622" | 16 | 1,484 | 102 |
| ITS-78-16SWG | 7/8" | 0.747" | 16 | 1,374 | 95 |
| ITS-1-18SWG | 1" | 0.904" | 18 | 877 | 60 |
| ITS-1-16SWG | 1" | 0.872" | 16 | 1,190 | 82 |
| ITS-118-18SWG | 1.1/8" | 1.029" | 18 | 776 | 54 |
| ITS-118-16SWG | 1.1/8" | 0.997" | 16 | 1,050 | 72 |

Please note: Delivery may take up to 48 hours.



BALL VALVES



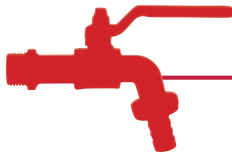
CHECK & FOOT VALVES



STRAINERS



FITTINGS



BIBCOCKS



PRESSURE REDUCING VALVES



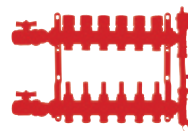
CONVERTIBLE VALVES &
THERMOSTATIC HEAD



MANUAL VALVES &
LOCKSHIELDS



ZONE BALL VALVES



MANIFOLDS IN BRASS &
STAINLESS STEEL



COPPER & BUNDY TUBING

Bundy Tube



Metric, 3.2 Metre Lengths

| 5071 | OD mm | Wall Thickness | Burst Pressure PSI |
|-------|-------|----------------|--------------------|
| BTM06 | 6 | 0.075" | 13500 |
| BTM08 | 8 | 0.075" | 10875 |
| BTM10 | 10 | 0.075" | 7500 |

Imperial, 3.2 Metre Lengths

| 5071 | OD | Wall Thickness | Burst Pressure PSI |
|-------|-------|----------------|--------------------|
| BTI03 | 3/16" | 0.028" | 16500 |
| BTI04 | 1/4" | 0.028" | 12000 |
| BTI05 | 5/16" | 0.028" | 10875 |
| BTI06 | 3/8" | 0.028" | 8200 |
| BTI08 | 1/2" | 0.028" | 5000 |

PVC Covered Copper Tube

Annealed, soft copper tube to BS2871/2/C106 with a black PVC outer cover.

Please note: OD measurement is for copper tube, excluding cover.



Metric, 30 Metre Coils

| 5070 | OD mm | ID mm | Max Pressure PSI | Max Pressure Bar |
|---------|-------|-------|------------------|------------------|
| MSCT-6 | 6 | 4 | 2,053 | 142 |
| MSCT-8 | 8 | 6 | 1,906 | 131 |
| MSCT-10 | 10 | 8 | 1,483 | 102 |
| MSCT-12 | 12 | 10 | 1,091 | 75 |

Annealed, soft copper tube to BS2871/2/C106 with a 1/16" black PVC outer cover.

Imperial, 30 Metre Coils

| 5070 | OD | ID | SWG | Max Pressure PSI | Max Pressure Bar |
|---------|------|--------|-----|------------------|------------------|
| ISCT-14 | 1/4" | 0.194" | 22 | 1,682 | 116 |
| ISCT-38 | 3/8" | 0.303" | 20 | 1,416 | 98 |
| ISCT-12 | 1/2" | 0.444" | 20 | 945 | 65 |

ACCESSORIES



Polyethylene Pipe Insulation

Thermal Conductivity DIN 52613:
0.035W(m.K) at 0°C.

Working Temperature:
-50°C to +100°C

Fire Rating BS479 Part 5:1979:
Class P (not easily ignitable).

High quality CFC easy-fit closed cell pipe insulation. Particularly effective for the thermal insulation of domestic heating and plumbing pipe work for energy conservation and frost protection. Easy to install, none fibrous and creates no dust during installation and is resistant to oils and greases



9mm Wall Insulation (Semi Split), 2 Metre Lengths

| 5073 | ID mm |
|----------|-------|
| POLY15X9 | 15 |
| POLY22X9 | 22 |
| POLY28X9 | 28 |

19mm Wall Insulation (Split through 1 Wall Thickness), 2 Metre Lengths

| 5073 | ID mm |
|-----------|-------|
| POLY15X19 | 15 |
| POLY22X19 | 22 |
| POLY28X19 | 28 |

13mm Wall Insulation (Semi Split), 2 Metre Lengths

| 5073 | ID mm |
|-----------|-------|
| POLY15X13 | 15 |
| POLY22X13 | 22 |
| POLY28X13 | 28 |

25mm Wall Insulation (Split through 1 Wall Thickness), 2 Metre Lengths

| 5073 | ID mm |
|-----------|-------|
| POLY15X25 | 15 |
| POLY22X25 | 22 |
| POLY28X25 | 28 |



For Tube Cutters and accessories see page 905

BRASS PLUMBING COMPRESSION FITTINGS, METRIC

Couplings

Straight



| 0242 | OD mm |
|------------|-------|
| EPS-CFS-6 | 6 |
| EPS-CFS-8 | 8 |
| EPS-CFS-10 | 10 |
| EPS-CFS-12 | 12 |
| EPS-CFS-15 | 15 |
| EPS-CFS-22 | 22 |
| EPS-CFS-28 | 28 |
| EPS-CFS-35 | 35 |
| EPS-CFS-42 | 42 |
| EPS-CFS-54 | 54 |

Reducing Straight



| 0242 | OD mm | OD mm |
|---------------|-------|-------|
| EPS-CFR-10-8 | 10 | 8 |
| EPS-CFR-12-10 | 12 | 10 |
| EPS-CFR-15-8 | 15 | 8 |
| EPS-CFR-15-10 | 15 | 10 |
| EPS-CFR-15-12 | 15 | 12 |
| EPS-CFR-22-15 | 22 | 15 |
| EPS-CFR-28-15 | 28 | 15 |
| EPS-CFR-28-22 | 28 | 22 |

BSPT Male x Metric Straight



| 0242 | OD mm | Thread |
|---------------|-------|--------|
| EPS-CFM-6-14 | 6 | 1/4" |
| EPS-CFM-8-14 | 8 | 1/4" |
| EPS-CFM-8-12 | 8 | 1/2" |
| EPS-CFM-10-14 | 10 | 1/4" |
| EPS-CFM-10-38 | 10 | 3/8" |
| EPS-CFM-12-14 | 12 | 1/4" |
| EPS-CFM-12-38 | 12 | 3/8" |
| EPS-CFM-15-14 | 15 | 1/4" |
| EPS-CFM-15-38 | 15 | 3/8" |

BSPP Male x Metric Straight

| 0242 | OD mm | Thread |
|----------------|-------|--------|
| EPS-CFM-8-38 | 8 | 3/8" |
| EPS-CFM-10-12 | 10 | 1/2" |
| EPS-CFM-15-12 | 15 | 1/2" |
| EPS-CFM-15-34 | 15 | 3/4" |
| EPS-CFM-22-12 | 22 | 1/2" |
| EPS-CFM-22-34 | 22 | 3/4" |
| EPS-CFM-22-1 | 22 | 1" |
| EPS-CFM-28-34 | 28 | 3/4" |
| EPS-CFM-28-1 | 28 | 1" |
| EPS-CFM-35-114 | 35 | 1.1/4" |
| EPS-CFM-42-112 | 42 | 1.1/2" |
| EPS-CFM-54-2 | 54 | 2" |

BSPP Female x Metric Straight



| 0242 | OD mm | Thread |
|----------------|-------|--------|
| EPS-CFF-6-14 | 6 | 1/4" |
| EPS-CFF-8-14 | 8 | 1/4" |
| EPS-CFF-8-38 | 8 | 3/8" |
| EPS-CFF-10-14 | 10 | 1/4" |
| EPS-CFF-10-38 | 10 | 3/8" |
| EPS-CFF-10-12 | 10 | 1/2" |
| EPS-CFF-15-14 | 15 | 1/4" |
| EPS-CFF-15-38 | 15 | 3/8" |
| EPS-CFF-15-12 | 15 | 1/2" |
| EPS-CFF-15-34 | 15 | 3/4" |
| EPS-CFF-22-12 | 22 | 1/2" |
| EPS-CFF-22-34 | 22 | 3/4" |
| EPS-CFF-22-1 | 22 | 1" |
| EPS-CFF-28-34 | 28 | 3/4" |
| EPS-CFF-28-1 | 28 | 1" |
| EPS-CFF-35-114 | 35 | 1.1/4" |
| EPS-CFF-42-112 | 42 | 1.1/2" |
| EPS-CFF-54-2 | 54 | 2" |

Elbows



BSPT Male x Metric

| 0242 | OD mm | Thread |
|----------------|-------|--------|
| EPS-CFME-8-14 | 8 | 1/4" |
| EPS-CFME-8-38 | 8 | 3/8" |
| EPS-CFME-10-14 | 10 | 1/4" |
| EPS-CFME-10-38 | 10 | 3/8" |
| EPS-CFME-10-12 | 10 | 1/2" |
| EPS-CFME-15-14 | 15 | 1/4" |

BSPP Male x Metric

| 0242 | OD mm | Thread |
|-----------------|-------|--------|
| EPS-CFME-15-12 | 15 | 1/2" |
| EPS-CFME-15-34 | 15 | 3/4" |
| EPS-CFME-22-34 | 22 | 3/4" |
| EPS-CFME-22-1 | 22 | 1" |
| EPS-CFME-28-1 | 28 | 1" |
| EPS-CFME-35-114 | 35 | 1.1/4" |
| EPS-CFME-42-112 | 42 | 1.1/2" |
| EPS-CFME-54-2 | 54 | 2" |

90°



| 0242 | OD mm |
|------------|-------|
| EPS-CFE-6 | 6 |
| EPS-CFE-8 | 8 |
| EPS-CFE-10 | 10 |
| EPS-CFE-12 | 12 |
| EPS-CFE-15 | 15 |
| EPS-CFE-22 | 22 |
| EPS-CFE-28 | 28 |
| EPS-CFE-35 | 35 |
| EPS-CFE-42 | 42 |
| EPS-CFE-54 | 54 |

Wall Plate, BSPP



| 0242 | OD mm | Thread |
|----------------|-------|--------|
| EPS-CFWE-15-12 | 15 | 1/2" |
| EPS-CFWE-22-12 | 22 | 1/2" |
| EPS-CFWE-22-34 | 22 | 3/4" |

Reducing 90°



| 0242 | OD mm | OD mm |
|---------------|-------|-------|
| EPS-CFE-22-15 | 22 | 15 |

BSPP Female x Metric



| 0242 | OD mm | Thread |
|-----------------|-------|--------|
| EPS-CFFE-8-14 | 8 | 1/4" |
| EPS-CFFE-10-14 | 10 | 1/4" |
| EPS-CFFE-10-38 | 10 | 3/8" |
| EPS-CFFE-10-12 | 10 | 1/2" |
| EPS-CFFE-15-14 | 15 | 1/4" |
| EPS-CFFE-15-12 | 15 | 1/2" |
| EPS-CFFE-15-34 | 15 | 3/4" |
| EPS-CFFE-22-12 | 22 | 1/2" |
| EPS-CFFE-22-34 | 22 | 3/4" |
| EPS-CFFE-22-1 | 22 | 1" |
| EPS-CFFE-28-1 | 28 | 1" |
| EPS-CFFE-35-114 | 35 | 1.1/4" |
| EPS-CFFE-54-2 | 54 | 2" |

BRASS PLUMBING COMPRESSION FITTINGS, METRIC

Tees



Equal

| 0242 | OD mm |
|-------------|-------|
| EPS-CFET-6 | 6 |
| EPS-CFET-8 | 8 |
| EPS-CFET-10 | 10 |
| EPS-CFET-12 | 12 |
| EPS-CFET-15 | 15 |
| EPS-CFET-22 | 22 |
| EPS-CFET-28 | 28 |
| EPS-CFET-35 | 35 |
| EPS-CFET-42 | 42 |
| EPS-CFET-54 | 54 |



Reducing

| 0242 | OD A mm | OD B mm | OD C mm |
|---------------|---------|---------|---------|
| CFRT-15-15-22 | 15 | 15 | 22 |
| CFRT-22-22-15 | 22 | 22 | 15 |
| CFRT-22-15-15 | 22 | 15 | 15 |
| CFRT-22-15-22 | 22 | 15 | 22 |
| CFRT-28-28-22 | 28 | 28 | 22 |
| CFRT-35-35-15 | 35 | 35 | 15 |



Reducing Female

| 0242 | OD mm | Thread |
|----------------|-------|--------|
| CFRRT-15-15-12 | 15 | 1/2" |
| CFRRT-22-22-12 | 22 | 1/2" |
| CFRRT-22-22-34 | 22 | 3/4" |

Tank Connectors



Tank Connectors & Washers

| 0242 | OD mm |
|-------------|-------|
| EPS-CFTC-15 | 15 |
| EPS-CFTC-22 | 22 |
| EPS-CFTC-28 | 28 |
| EPS-CFTC-35 | 35 |
| EPS-CFTC-42 | 42 |
| EPS-CFTC-54 | 54 |

Tap Connectors



Straight, BSPP

| 0242 | OD mm | Thread |
|-----------------|-------|--------|
| EPS-CFSTC-15-12 | 15 | 1/2" |
| EPS-CFSTC-15-34 | 15 | 3/4" |
| EPS-CFSTC-22-34 | 22 | 3/4" |



90°, BSPP

| 0242 | OD mm | Thread |
|-----------------|-------|--------|
| EPS-CFBTC-15-12 | 15 | 1/2" |

Internal Reducing Sets



3 Piece

| 0242 | Reducing From-To mm |
|----------------|---------------------|
| EPS-CFR3-10-6 | 10-6 |
| EPS-CFR3-10-8 | 10-8 |
| EPS-CFR3-15-8 | 15-8 |
| EPS-CFR3-15-10 | 15-10 |
| EPS-CFR3-15-12 | 15-12 |
| EPS-CFR3-28-15 | 28-15 |
| EPS-CFR3-28-22 | 28-22 |
| EPS-CFR3-35-15 | 35-15 |
| EPS-CFR3-35-22 | 35-22 |
| EPS-CFR3-42-15 | 42-15 |
| EPS-CFR3-42-28 | 42-28 |
| EPS-CFR3-54-28 | 54-28 |
| EPS-CFR3-54-42 | 54-42 |

Olives



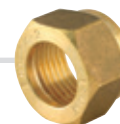
Brass

| 0242 | OD mm |
|--------------|-------|
| EPS-CFBO-8 | 8 |
| EPS-CFBO-10 | 10 |
| EPS-CFBO-12 | 12 |
| EPS-CFBO-15 | 15 |
| EPS-CFBO-20 | 20 |
| EPS-CFBO-22 | 22 |
| EPS-CFBO-25 | 25 |
| EPS-CFBO-28 | 28 |
| EPS-CFBO-35 | 35 |
| EPS-CFBO-42 | 42 |
| EPS-CFBO-54 | 54 |
| EPS-CFBO-3/4 | 3/4" |

Copper

| 0242 | OD mm |
|--------------|-------|
| EPS-CFCO-8 | 8 |
| EPS-CFCO-10 | 10 |
| EPS-CFCO-12 | 12 |
| EPS-CFCO-15 | 15 |
| EPS-CFCO-20 | 20 |
| EPS-CFCO-22 | 22 |
| EPS-CFCO-25 | 25 |
| EPS-CFCO-28 | 28 |
| EPS-CFCO-35 | 35 |
| EPS-CFCO-42 | 42 |
| EPS-CFCO-54 | 54 |
| EPS-CFCO-3/4 | 3/4" |

Compression Nuts



| 0242 | OD mm |
|------------|-------|
| EPS-CFN-8 | 8 |
| EPS-CFN-10 | 10 |
| EPS-CFN-15 | 15 |
| EPS-CFN-22 | 22 |
| EPS-CFN-28 | 28 |

Stop Ends



| 0242 | OD mm |
|-------------|-------|
| EPS-CFSE-8 | 8 |
| EPS-CFSE-10 | 10 |
| EPS-CFSE-12 | 12 |
| EPS-CFSE-15 | 15 |
| EPS-CFSE-22 | 22 |
| EPS-CFSE-28 | 28 |
| EPS-CFSE-35 | 35 |
| EPS-CFSE-42 | 42 |
| EPS-CFSE-54 | 54 |

SOLDER RING

Manufactured from copper and copper alloy. Designed for jointing copper tubes to BS EN 1057 in hot and cold water services, in small bore and mini bore central heating, low pressure steam heating, and in-vented/un-vented closed circuit heating systems.

- WRAS approved
- Manufactured to BS EN 1254 Part 1



Working Temperature:
-40°C to +110°C

Maximum Working Pressure:
16 bar (-40°C to +30°C)
10 bar (+30°C to +65°C)
6 bar (+65°C to +110°C)

Couplings



Straight

| 0474 | OD mm |
|----------|-------|
| M-SRSC10 | 10 |
| M-SRSC22 | 22 |
| M-SRSC28 | 28 |
| M-SRSC35 | 35 |
| M-SRSC42 | 42 |
| M-SRSC54 | 54 |

Tech Sheet 60249



Reducing Coupling

| 0474 | OD mm | OD mm |
|--------------|-------|-------|
| M-SRRC-10-8 | 10 | 8 |
| M-SRRC-15-10 | 15 | 10 |
| M-SRRC-22-15 | 22 | 15 |
| M-SRRC-28-22 | 28 | 22 |

Tech Sheet 60249



Reducing Fitting

| 0474 | OD mm | OD mm |
|--------------|-------|-------|
| M-SRRF-22-15 | 22 | 15 |
| M-SRRF-28-15 | 28 | 15 |
| M-SRRF-28-22 | 28 | 22 |
| M-SRRF-35-22 | 35 | 22 |
| M-SRRF-35-28 | 35 | 28 |
| M-SRRF-42-15 | 42 | 15 |
| M-SRRF-42-28 | 42 | 28 |
| M-SRRF-42-35 | 42 | 35 |
| M-SRRF-54-22 | 54 | 22 |
| M-SRRF-54-35 | 54 | 35 |
| M-SRRF-54-42 | 54 | 42 |

Tech Sheet 60249

Elbows



90° Elbows

| 0474 | OD mm |
|-----------|-------|
| M-SR90-8 | 8 |
| M-SR90-10 | 10 |
| M-SR90-15 | 15 |
| M-SR90-22 | 22 |
| M-SR90-28 | 28 |
| M-SR90-35 | 35 |
| M-SR90-42 | 42 |
| M-SR90-54 | 54 |

Tech Sheet 60249



45° Elbows

| 0474 | OD mm |
|-------------|-------|
| M-SR45EL-15 | 15 |
| M-SR45EL-22 | 22 |
| M-SR45EL-35 | 35 |
| M-SR45EL-45 | 42 |

Tech Sheet 60249



Street Elbows

| 0474 | OD mm |
|-------------|-------|
| M-SRST90-15 | 15 |
| M-SRST90-22 | 22 |
| M-SRST90-28 | 28 |

Tech Sheet 60249

End Caps



End Caps

| 0474 | OD mm |
|-----------|-------|
| M-SREC-15 | 15 |
| M-SREC-22 | 22 |

Tech Sheet 60249

Tees



Equal

| 0474 | OD mm |
|-----------|-------|
| M-SRET-10 | 10 |
| M-SRET-15 | 15 |
| M-SRET-22 | 22 |
| M-SRET-28 | 28 |
| M-SRET-42 | 42 |

Tech Sheet 60249



Reducing Branch

| 0474 | OD mm | OD mm |
|--------------|-------|-------|
| M-SRRB-22-15 | 22 | 15 |
| M-SRRB-28-15 | 28 | 15 |
| M-SRRB-28-22 | 28 | 22 |
| M-SRRB-42-15 | 42 | 15 |
| M-SRRB-42-22 | 42 | 22 |
| M-SRRB-42-28 | 42 | 28 |
| M-SRRB-42-35 | 42 | 35 |
| M-SRRB-54-15 | 54 | 15 |
| M-SRRB-54-22 | 54 | 22 |
| M-SRRB-54-28 | 54 | 28 |
| M-SRRB-54-35 | 54 | 35 |
| M-SRRB-54-42 | 54 | 42 |

Tech Sheet 60249

Tap Connectors



Straight

| 0474 | OD mm | Thread |
|--------------|-------|--------|
| M-SRTC-15-12 | 15 | 1/2" |
| M-SRTC-15-34 | 15 | 3/4" |
| M-SRTC-22-34 | 22 | 3/4" |

Tech Sheet 60249



Bent

| 0474 | OD mm | Thread |
|---------------|-------|--------|
| M-SRBTC-15-12 | 15 | 1/2" |

Tech Sheet 60249

END FEED FITTINGS

Designed for end-feeding with soft solder or hard solder (brazing alloy). Ideal for use in hot and cold water services, central heating, fuel services and general engineering applications.

- WRAS approved
- Manufactured to BS EN 1354 Part 1



Working Temperature:
-40°C to +110°C

Maximum Working Pressure:
Up to 28mm
25 bar (-40°C to +65°C), 16 bar (+110°C)
35mm to 54mm
25 bar (-40°C to +30°C), 16 bar (+65°C)
10 bar (+110°C)

Couplings



Straight

| 0474 | OD mm |
|-----------|-------|
| M-EFSC-28 | 28 |
| M-EFSC-35 | 35 |
| M-EFSC-42 | 42 |
| M-EFSC-54 | 54 |

Tech Sheet 60249

Tap Connectors



Straight

| 0474 | OD mm | Thread |
|---------------|-------|--------|
| M-EFTCS-15-12 | 15 | 1/2" |
| M-EFTCS-22-34 | 22 | 3/4" |

Tech Sheet 60249



Bent

| 0474 | OD mm | Thread |
|---------------|-------|--------|
| M-EFTCB-15-12 | 15 | 1/2" |
| M-EFTCB-15-34 | 15 | 3/4" |
| M-EFTCB-22-34 | 22 | 3/4" |

Tech Sheet 60249

Crossovers



Part

| 0474 | OD mm |
|------------|-------|
| M-EFCOP-15 | 15 |

Tech Sheet 60249

End Caps



End Caps

| 0474 | OD mm |
|-----------|-------|
| M-EFTC-8 | 8 |
| M-EFTC-22 | 22 |
| M-EFTC-28 | 28 |

Tech Sheet 60249

Elbows



90° Elbows

| 0474 | OD mm |
|------------|-------|
| M-EF90E-10 | 10 |
| M-EF90E-15 | 15 |
| M-EF90E-22 | 22 |

Tech Sheet 60249



45° Elbows

| 0474 | OD mm |
|------------|-------|
| M-EF45E-22 | 22 |
| M-EF45E-42 | 42 |

Tech Sheet 60249

Tees



Equal

| 0474 | OD mm |
|-----------|-------|
| M-EFET-8 | 8 |
| M-EFET-10 | 10 |
| M-EFET-15 | 15 |
| M-EFET-35 | 35 |
| M-EFET-42 | 42 |
| M-EFET-54 | 54 |

Tech Sheet 60249



Reducing Branch

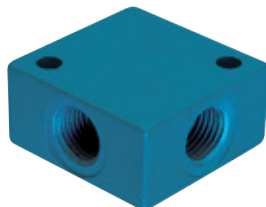
| 0474 | OD mm | OD mm |
|---------------|-------|-------|
| M-EFRBT-22-15 | 22 | 15 |
| M-EFRBT-28-22 | 28 | 22 |
| M-EFRBT-35-15 | 35 | 15 |
| M-EFRBT-35-22 | 35 | 22 |
| M-EFRBT-35-28 | 35 | 28 |
| M-EFRBT-42-15 | 42 | 15 |
| M-EFRBT-42-22 | 42 | 22 |
| M-EFRBT-42-28 | 42 | 28 |
| M-EFRBT-42-35 | 42 | 35 |
| M-EFRBT-54-28 | 54 | 28 |
| M-EFRBT-54-35 | 54 | 35 |
| M-EFRBT-54-42 | 54 | 42 |

Tech Sheet 60249

DISTRIBUTION MANIFOLDS



Equal Cross Manifolds



Female, BSPP

| 0315 | Thread |
|----------|--------|
| KMDS-1/8 | 1/8" |
| KMDS-1/4 | 1/4" |
| KMDS-3/8 | 3/8" |
| KMDS-1/2 | 1/2" |

Tech Sheet 3108

ALUMINIUM MANIFOLDS



Single Distribution Manifold

Working Temperature:
0°C to +80°C

Maximum Working Pressure:
12 bar



1/4" BSPT Inlet x 1/4" BSPT Outlet

| 1000 | No. of Inlets | No. of Outlets |
|------|---------------|----------------|
| MD-2 | 2 | 2 |
| MD-3 | 2 | 3 |
| MD-4 | 2 | 4 |
| MD-5 | 2 | 5 |

Single Distribution Manifold



1/4" BSPP Inlet x 1/8" BSPP Outlet

| 1000 | No. of Inlets | No. of Outlets |
|--------|---------------|----------------|
| DM13/3 | 2 | 3 |
| DM13/4 | 2 | 4 |
| DM13/5 | 2 | 5 |
| DM13/6 | 2 | 6 |

Round Manifolds

Working Temperature:
0°C to +80°C

Maximum Working Pressure:
10 bar



1/4" BSPT Inlet x 1/4" BSPT Outlet

| 1000 | No. of Inlets | No. of Outlets |
|-------|---------------|----------------|
| M2-14 | 1 | 2 |

Round Manifolds

Working Temperature:
0°C to +80°C

Maximum Working Pressure:
10 bar



1/4" BSPT Inlet x 1/4" BSPT Outlet

| 1000 | No. of Inlets | No. of Outlets |
|-------|---------------|----------------|
| M3-14 | 1 | 3 |

Single Distribution Manifolds



1/8" BSPP Inlet x M5 Outlet

| 0012 | No. of Inlets | No. of Outlets |
|------------|---------------|----------------|
| MAN-155.02 | 2 | 2 |
| MAN-155.06 | 2 | 6 |

Tech Sheet 12

1/4" BSPP Inlet x 1/8" BSPP Outlet

| 0012 | No. of Inlets | No. of Outlets |
|------------|---------------|----------------|
| MAN-151.02 | 2 | 2 |
| MAN-151.03 | 2 | 3 |
| MAN-151.04 | 2 | 4 |
| MAN-151.05 | 2 | 5 |
| MAN-151.06 | 2 | 6 |

Tech Sheet 12

3/8" BSPP Inlet x 1/8" BSPP Outlet

| 0012 | No. of Inlets | No. of Outlets |
|------------|---------------|----------------|
| MAN-153.03 | 2 | 3 |
| MAN-153.04 | 2 | 4 |
| MAN-153.05 | 2 | 5 |
| MAN-153.06 | 2 | 6 |

Tech Sheet 12

3/8" BSPP Inlet x 1/4" BSPP Outlet

| 0012 | No. of Inlets | No. of Outlets |
|------------|---------------|----------------|
| MAN-152.02 | 2 | 2 |
| MAN-152.03 | 2 | 3 |
| MAN-152.04 | 2 | 4 |
| MAN-152.05 | 2 | 5 |
| MAN-152.06 | 2 | 6 |

Tech Sheet 12

1/2" BSPP Inlet x 1/4" BSPP Outlet

| 0012 | No. of Inlets | No. of Outlets |
|------------|---------------|----------------|
| MAN-154.02 | 2 | 2 |
| MAN-154.03 | 2 | 3 |
| MAN-154.04 | 2 | 4 |
| MAN-154.05 | 2 | 5 |
| MAN-154.06 | 2 | 6 |

Tech Sheet 12

1/2" BSPP Inlet x 3/8" BSPP Outlet

| 0012 | No. of Inlets | No. of Outlets |
|------------|---------------|----------------|
| MAN-156.02 | 2 | 2 |
| MAN-156.03 | 2 | 3 |
| MAN-156.04 | 2 | 4 |
| MAN-156.05 | 2 | 5 |
| MAN-156.06 | 2 | 6 |

Tech Sheet 12

1/2" BSPP Inlet x 1/2" BSPP Outlet

| 0012 | No. of Inlets | No. of Outlets |
|------------|---------------|----------------|
| MAN-157.02 | 2 | 2 |
| MAN-157.03 | 2 | 3 |
| MAN-157.04 | 2 | 4 |
| MAN-157.05 | 2 | 5 |

Tech Sheet 12

Double Distribution Manifolds



1/8" BSPP Inlet x M5 Outlet

| 0012 | No. of Inlets | No. of Outlets |
|------------|---------------|----------------|
| MAN-155.22 | 2 | 5mm x 2 + 2 |

Tech Sheet 12

1/4" BSPP Inlet x 1/8" BSPP Outlet

| 0012 | No. of Inlets | No. of Outlets |
|------------|---------------|----------------|
| MAN-151.22 | 2 | 2 + 2 |
| MAN-151.33 | 2 | 3 + 3 |
| MAN-151.44 | 2 | 4 + 4 |
| MAN-151.55 | 2 | 5 + 5 |

Tech Sheet 12

3/8" BSPP Inlet x 1/8" BSPP Outlet

| 0012 | No. of Inlets | No. of Outlets |
|------------|---------------|----------------|
| MAN-153.33 | 2 | 3 + 3 |
| MAN-153.44 | 2 | 4 + 4 |
| MAN-153.55 | 2 | 5 + 5 |

Tech Sheet 12

3/8" BSPP Inlet x 1/4" BSPP Outlet

| 0012 | No. of Inlets | No. of Outlets |
|------------|---------------|----------------|
| MAN-152.22 | 2 | 2 + 2 |
| MAN-152.33 | 2 | 3 + 3 |
| MAN-152.44 | 2 | 4 + 4 |
| MAN-152.55 | 2 | 5 + 5 |

Tech Sheet 12

1/2" BSPP Inlet x 1/4" BSPP Outlet

| 0012 | No. of Inlets | No. of Outlets |
|------------|---------------|----------------|
| MAN-154.22 | 2 | 2 + 2 |
| MAN-154.33 | 2 | 3 + 3 |
| MAN-154.44 | 2 | 4 + 4 |
| MAN-154.55 | 2 | 5 + 5 |

Tech Sheet 12

1/2" BSPP Inlet x 3/8" BSPP Outlet

| 0012 | No. of Inlets | No. of Outlets |
|------------|---------------|----------------|
| MAN-156.44 | 2 | 4 + 4 |
| MAN-156.55 | 2 | 5 + 5 |

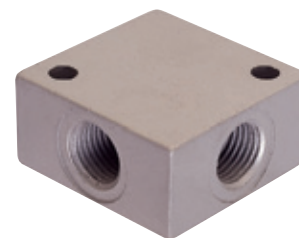
Tech Sheet 12

1/2" BSPP Inlet x 1/2" BSPP Outlet

| 0012 | No. of Inlets | No. of Outlets |
|------------|---------------|----------------|
| MAN-157.22 | 2 | 2 + 2 |
| MAN-157.33 | 2 | 3 + 3 |
| MAN-157.44 | 2 | 4 + 4 |
| MAN-157.55 | 2 | 5 + 5 |

Tech Sheet 12

Equal Cross Manifolds



Female, BSPP

| 0012 | Thread |
|-----------|--------|
| MAN-145.8 | 1/8" |
| MAN-145.4 | 1/4" |
| MAN-145.3 | 3/8" |
| MAN-145.2 | 1/2" |

Tech Sheet 12

A wide range of aluminium manifolds, ideal for multi-feeds and supplies in systems and for grouping valves.

BRASS MANIFOLDS



Single Sided Manifold Block, Brass



1/8" BSPP Inlet x 1/8" BSPP Outlet

| 1420 | No. of Outlets |
|---------|----------------|
| MB02/04 | 4 |
| MB02/06 | 6 |
| MB02/08 | 8 |

1/4" BSPP Inlet x 1/4" BSPP Outlet

| 1420 | No. of Outlets |
|---------|----------------|
| MB04/02 | 2 |
| MB04/04 | 4 |
| MB04/06 | 6 |
| MB04/08 | 8 |
| MB04/10 | 10 |

3/8" BSPP Inlet x 3/8" BSPP Outlet

| 1420 | No. of Outlets |
|---------|----------------|
| MB06/04 | 4 |
| MB06/06 | 6 |
| MB06/08 | 8 |

1/2" BSPP Inlet x 1/2" BSPP Outlet

| 1420 | No. of Outlets |
|---------|----------------|
| MB08/04 | 4 |
| MB08/06 | 6 |
| MB08/08 | 8 |

3/4" BSPP Inlet x 3/4" BSPP Outlet

| 1420 | No. of Outlets |
|---------|----------------|
| MB12/04 | 4 |
| MB12/06 | 6 |

Unequal Manifold Block, Brass



3/4" BSPP Inlet x 1/2" BSPP Outlet

| 1420 | No. of Outlets |
|------------|----------------|
| MB12/08/04 | 4 |

3/8" BSPP Inlet x 1/4" BSPP Outlet

| 1420 | No. of Outlets |
|------------|----------------|
| MB06/04/04 | 4 |
| MB06/04/06 | 6 |
| MB06/04/08 | 8 |



For **Hydraulic Ball Valves**
...see pages **238-240**

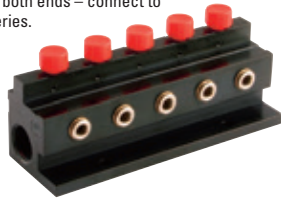
MINIFOLDS

Aluminium 5 & 10 Way Manifolds

Replace complex assemblies of valves and fittings with anodised aluminium Minifolds
Each Minifold comprises of a number of valved outlets on a common header.
Minifold blocks have tapped inlet connections at both ends – connect to one and plug the other or connect Minifolds in series.

 **Working Temperature:**
-20°C to +90°C

 **Maximum Working Pressure:**
Vacuum to 10 bar



1/2" BSPP Inlet x 1/4" BSPP Outlet

| 0202 | No. of Inlets | No. of Outlets |
|------------------|---------------|----------------|
| 971-05-251 | 2 | 5 |
| 971-10-251 | 2 | 10 |
| Tech Sheet 10556 | | |

1/2" BSPP Inlet x 6mm Outlet

| 0202 | No. of Inlets | No. of Outlets |
|------------------|---------------|----------------|
| 971-05-256 | 2 | 5 |
| 971-10-256 | 2 | 10 |
| Tech Sheet 10556 | | |

3/4" BSPP Inlet x 3/8" BSPP Outlet

| 0202 | No. of Inlets | No. of Outlets |
|------------------|---------------|----------------|
| 975-05-272 | 2 | 5 |
| 975-10-272 | 2 | 10 |
| Tech Sheet 10556 | | |

Specifications

Series 971: Nominal Bore 18mm
1/2" BSP Female or
1/2" NPT Female inlets
1/4" BSP Female or
1/4" NPT Female or 6mm
push-in outlets

Series 975: Nominal Bore 25mm
3/4" BSP Female or
3/4" NPT Female inlets
3/8" BSP Female or
3/8" NPT Female outlets

Materials:

Blocks: Anodised aluminium
Valve Spindles: Thermoplastic
(red for BSP, grey for NPT)
Seals: Nitrile
Push-in Fittings: Plated brass




1/2" NPT Inlet x 1/4" NPT Outlet

| 0202 | No. of Inlets | No. of Outlets |
|------------------|---------------|----------------|
| 971-10-263 | 2 | 10 |
| Tech Sheet 10556 | | |

1/2" NPT Inlet x 6mm Outlet

| 0202 | No. of Inlets | No. of Outlets |
|------------------|---------------|----------------|
| 971-10-266 | 2 | 10 |
| Tech Sheet 10556 | | |

Stainless Steel 4, 6 & 10 Way Manifolds

 **Working Temperature:**
60 bar @ 40°C
40 bar @ 100°C
25 bar @ 150°C

Replace complex assemblies of valves and fitting with stainless steel manifolds.
Each Minifold comprises of a number of ball valves on a common header.

Minifold blocks have tapped inlet connections at both ends – connect to one and plug the other or connect Minifold in series.

Specifications

Series 910: Nominal Bore 18mm
1/2" or 3/4" BSP Taper or NPT inlets
1/4" or 1/2" BSP Taper or NPT outlet
Supplied with two mounting brackets

Materials:

Blocks: 316 Stainless steel
Valve Body/Ball: 316 Stainless steel
Valve Handle: 304 Stainless steel
(Red for BSP, black for NPT)
Valve Seals: PTFE

stainless steel

1/2" BSPT Inlet x 1/4" BSPT Outlet



| 0202 | No. of Inlets | No. of Outlets |
|------------------|---------------|----------------|
| 910.04.SDP011414 | 2 | 4 |
| 910.06.SDP011414 | 2 | 6 |
| 910.10.SDP011414 | 2 | 10 |

3/4" BSPT Inlet x 1/2" BSPT Outlet



| 0202 | No. of Inlets | No. of Outlets |
|------------------|---------------|----------------|
| 910.04.SDP142828 | 2 | 4 |
| 910.06.SDP142828 | 2 | 6 |

3/4" NPT Inlet x 1/4" NPT Outlet



| 0202 | No. of Inlets | No. of Outlets |
|------------------|---------------|----------------|
| 910.04.SDP032727 | 2 | 4 |

3/4" BSPT Inlet x 1/4" BSPT Outlet



| 0202 | No. of Inlets | No. of Outlets |
|------------------|---------------|----------------|
| 910.04.SDP012828 | 2 | 4 |
| 910.10.SDP012828 | 2 | 10 |

1/2" NPT Inlet x 1/4" NPT Outlet



| 0202 | No. of Inlets | No. of Outlets |
|------------------|---------------|----------------|
| 910.04.SDP030606 | 2 | 4 |
| 910.06.SDP030606 | 2 | 6 |

3/4" NPT Inlet x 1/2" NPT Outlet



| 0202 | No. of Inlets | No. of Outlets |
|------------------|---------------|----------------|
| 910.04.SDP062727 | 2 | 4 |
| 910.06.SDP062727 | 2 | 6 |

Rotating Joints

- Viton seals as standard
- Suitable for fluids and air
- Units suitable for vacuum and non standard pressures available on request

Working Temperature:
-10°C to +85°C

Maximum Working Pressure:
12 bar



1 Inlet x 6 Outlets

| 0064 | No. of Inlets | No. of Outlets | Rotation | RPM |
|---------------|---------------|----------------|------------|-----|
| 300/V | 1 x 3/8" | 6 x 1/8" | Right/Left | 300 |
| Tech Sheet 29 | | | | |

Working Temperature:
-10°C to +85°C

Maximum Working Pressure:
12 bar



1 Inlet x 3 Outlets

| 0064 | No. of Inlets | No. of Outlets | Rotation | RPM |
|---------------|---------------|----------------|------------|-----|
| 302/V | 1 x 3/8" | 3 x 1/4" | Right/Left | 300 |
| Tech Sheet 29 | | | | |

Working Temperature:
-10°C to +85°C

Maximum Working Pressure:
12 bar

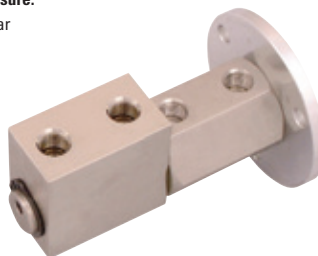


1 Inlet x 1 Outlet

| 0064 | No. of Inlets | No. of Outlets | Rotation | RPM |
|---------------|---------------|----------------|------------|-----|
| 303/V | 1 x 1/8" | 1 x 1/8" | Right/Left | 550 |
| 304/V | 1 x 1/4" | 1 x 1/4" | Right/Left | 550 |
| 305/V | 1 x 3/8" | 1 x 3/8" | Right/Left | 300 |
| 307/V | 1 x 3/4" | 1 x 3/4" | Right/Left | 160 |
| Tech Sheet 30 | | | | |

Working Temperature:
-10°C to +85°C

Maximum Working Pressure:
12 bar



2 Independent Inlets & Outlets

| 0064 | No. of Inlets | No. of Outlets | Rotation | RPM |
|---------------|---------------|----------------|------------|-----|
| 312/V | 2 x 1/4" | 2 x 1/4" | Right/Left | 200 |
| Tech Sheet 31 | | | | |

Swivel Joints - Aluminium

Working Temperature:
0°C to +70°C

Maximum Working Pressure:
12 bar



Male x Female Thread, without Regulator

| 1000 | Thread |
|-------|--------|
| RJ-14 | 1/4" |

