

**M3, M5, 1/8" – 1 1/2" BSP**

- Suitable for use in most general industrial applications
- Bright nickel plated brass
- Compact design
- Reliable and corrosion resistant
- Washers included where necessary

**Technical Data****Medium:**

Compressed air or any fluids compatible with the materials listed below

**Operating Pressure and Temperature:**

Generally limited by tubing specification except where plastic sealing washers are used (Banjo bolts M3 & M5 units). In these cases temperature limited to +70°C, pressure limited to 18 bar. Suitable for vacuum applications.

Flow regulating banjos are limited to 1-10 bar operating range

**Materials**

Bar parts brass to BS 2874: 1986 (CZ121), bright nickel plated.  
Stamped parts brass to BS 2872: 1969 (CZ122), bright nickel plated.

Copper sealing washers (nylon for M3 & M5 units and banjo assemblies).



















**Ordering Information**

To order, quote appropriate product number from the tables on the following pages.






M3, M5, 1/8", 1/4", 3/8", 1/2", 3/4", 1", 1 1/4", 1 1/2" BSP threads







**Straight Adaptors and Connectors**

|  |  |  |   |   |   |  |
|--|--|--|---|---|---|--|
| <b>BULKHEAD CONNECTOR</b><br><br>16029<br>Page 9.8.001.03                                 | <b>SLEEVE ADAPTOR</b><br>female BSPP<br><br>16022<br>Page 9.8.001.03                    | <b>NIPPLE ADAPTOR</b><br>male BSPP<br><br>16020<br>Page 9.8.001.03                        | <b>NIPPLE ADAPTOR</b><br>male BSPT<br><br>15020<br>Page 9.8.001.03                         | <b>BSP CONNECTOR</b><br>reducer male x female<br><br>16023<br>Page 9.8.001.03 | <b>BSP CONNECTOR</b><br>expander male x female<br><br>16023<br>Page 9.8.001.03 | <b>ADAPTOR</b><br>female NPTF to male BSPT<br><br>15423<br>Page 9.8.001.04              |
| <b>GAUGE ADAPTOR</b><br>female BSPP to male NPTF<br><br>17223<br>Page 9.8.001.04          | <b>HEXAGON NIPPLE</b><br>male NPTF to male BSPT<br><br>15420<br>Page 9.8.001.04         | <b>BSP CONNECTOR</b><br>reducer - male BSPT x female BSPP<br><br>15023<br>Page 9.8.001.04 | <b>BSP CONNECTOR</b><br>expander - male BSPT x female BSPP<br><br>15023<br>Page 9.8.001.04 | <b>PLUG</b><br>male BSPP<br><br>16005<br>Page 9.8.001.05                      | <b>PLUG</b><br>male BSPT<br><br>15005<br>Page 9.8.001.05                       | <b>HOSE ADAPTOR</b><br>metric I/D hose bore x male BSPT<br><br>29117<br>Page 9.8.001.06 |
| <b>HOSE ADAPTOR</b><br>imperial I/D hose bore x male BSPT<br><br>30117<br>Page 9.8.001.06 | <b>HOSE ADAPTOR</b><br>metric I/D hose bore x male BSPP<br><br>29217<br>Page 9.8.001.06 | <b>SWIVEL HOSE ADAPTOR</b><br>imperial I/D x female BSPP<br><br>30218<br>Page 9.8.001.06  | <b>HOSE CONNECTOR</b><br>imperial<br><br>30014<br>Page 9.8.001.07                          |   |   |  |





**Elbow Connectors and Adaptors**







|   |   |   |  |  |  |  |
|---|---|---|--|--|--|--|
| <b>ELBOW</b><br>2 x female BSPP<br><br>16042<br>Page 9.8.001.04 | <b>ELBOW</b><br>male BSPT x female BSPP<br><br>15043<br>Page 9.8.001.04 | <b>ELBOW</b><br>2 x male BSPT<br><br>15040<br>Page 9.8.001.05 | <b>ELBOW BANJO ASSEMBLY</b><br>non regulating bolt<br><br>16A51<br>Page 9.8.001.07 | <b>ELBOW BANJO ASSEMBLY</b><br>regulating out<br><br>16K51<br>Page 9.8.001.07 |  |  |
|---|---|---|--|--|--|--|

**Tee Connectors and Adaptors**

|  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|
| <b>TEE</b><br>3 x female BSPP<br><br>16062<br>Page 9.8.001.05 | <b>TEE</b><br>3 x male BSPT<br><br>15060<br>Page 9.8.001.05 | <b>TEE</b><br>2 x female BSPT x male BSPP leg<br><br>15069<br>Page 9.8.001.05 | <b>CROSS</b><br>4 x female BSPP<br><br>16092<br>Page 9.8.001.05 |  |  |  |
|--|--|--|--|--|--|--|

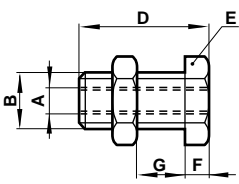
**Banjo Bodies and Bolts**

|  |  |  |   |  |  |  |
|--|--|--|---|--|--|--|
| <b>ELBOW BANJO BODY</b><br><br>16051<br>Page 9.8.001.07 | <b>BANJO BOLT</b><br>non regulating single stacking<br><br>20A00<br>Page 9.8.001.07 | <b>BANJO BOLT</b><br>non regulating double stacking<br><br>20B00<br>Page 9.8.001.07 | <b>BANJO BOLT</b><br>regulating single stacking BSP parallel<br><br>20K00<br>Page 9.8.001.07 |  |  |  |
|--|--|--|---|--|--|--|

|  |   |   |  |  |  |  |
|--|---|---|--|--|--|--|
| <b>MANIFOLD</b><br>single sided<br><br>34050<br>Page 9.8.001.08 | <b>LOCKNUT</b><br>metric<br><br>36054<br>Page 9.8.001.08 | <b>LOCKNUT</b><br>inch<br><br>34022<br>Page 9.8.001.08 | <b>FLAT UNION</b><br><br>15033<br>Page 9.8.001.08 | <b>TAPER PLUG</b><br>with internal hexagon<br><br>25013<br>Page 9.8.001.08 | <b>4 WAY BLOCK CONNECTOR</b><br><br>Page 9.8.001.08 |  |
|--|---|---|--|--|--|--|



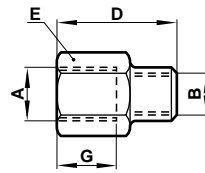
**Bulkhead Connector**



| Product number | A BSPP female thread | B metric male thread | D    | E A/F | F   | G max. |
|----------------|----------------------|----------------------|------|-------|-----|--------|
| 160290005      | M5x0,8               | M10x1,0              | 14,0 | 14    | 3,5 | 7,0    |
| 160290018      | 1/8"                 | M16x1,5              | 18,0 | 22    | 4,0 | 10,0   |
| 160290028      | 1/4"                 | M20x1,5              | 25,0 | 27    | 4,0 | 16,0   |
| 160290038      | 3/8"                 | M26x1,5              | 26,0 | 32    | 5,0 | 15,0   |
| 160290048      | 1/2"                 | M28x1,5              | 33,0 | 36    | 6,0 | 21,0   |
| 160290068      | 3/4"                 | M33x1,5              | 36,5 | 41    | 6,0 | 22,5   |
| 160290088      | 1"                   | M42x1,5              | 41,5 | 46    | 8,0 | 24,5   |
| 1602900A8      | 1 1/4"               | M48x1,5              | 50,0 | 55    | 8,0 | 29,5   |

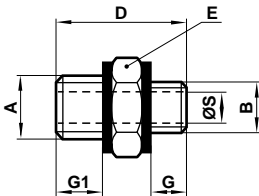
Supplied complete with locknut

**Sleeve - Female BSPP**



| Product number | A BSPP female thread | B BSPP female thread | D    | E A/F | G    |
|----------------|----------------------|----------------------|------|-------|------|
| 160220505      | M5x0,8               | M5x0,8               | 11,0 | 8     | -    |
| 160221805      | 1/8"                 | M5x0,8               | 13,0 | 14    | 7,4  |
| 160221818      | 1/8"                 | 1/8"                 | 15,0 | 14    | -    |
| 160222818      | 1/4"                 | 1/8"                 | 19,0 | 17    | 9,5  |
| 160222828      | 1/4"                 | 1/4"                 | 22,0 | 17    | -    |
| 160223818      | 3/8"                 | 1/8"                 | 20,0 | 22    | 10,5 |
| 160223828      | 3/8"                 | 1/4"                 | 23,0 | 22    | 10,5 |
| 160223838      | 3/8"                 | 3/8"                 | 24,0 | 22    | -    |
| 160224818      | 1/2"                 | 1/8"                 | 24,0 | 24    | 13,0 |
| 160224828      | 1/2"                 | 1/4"                 | 25,0 | 24    | 13,0 |
| 160224838      | 1/2"                 | 3/8"                 | 27,5 | 24    | 13,0 |
| 160224848      | 1/2"                 | 1/2"                 | 30,0 | 26    | -    |
| 160226848      | 3/4"                 | 1/2"                 | 30,0 | 30    | 14,5 |
| 160226868      | 3/4"                 | 3/4"                 | 32,0 | 32    | -    |
| 160228868      | 1"                   | 3/4"                 | 41,0 | 40    | 17   |
| 160228888      | 1"                   | 1"                   | 45,5 | 41    | -    |

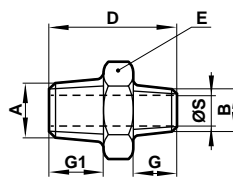
**Nipple - Male BSPP**



| Product number | A BSPP male thread | B BSPP male thread | D    | E A/F | G1   | G    | ØS   |
|----------------|--------------------|--------------------|------|-------|------|------|------|
| 160200505      | M5x0,8             | M5x0,8             | 11,5 | 8     | 4,0  | 4,0  | 2,0  |
| 160201805      | 1/8"               | M5x0,8             | 14,5 | 14    | 6,0  | 4,0  | 2,0  |
| 160201818      | 1/8"               | 1/8"               | 16,5 | 14    | 6,0  | 6,0  | 5,5  |
| 160202818      | 1/4"               | 1/8"               | 19,0 | 17    | 8,0  | 6,0  | 5,5  |
| 160202828      | 1/4"               | 1/4"               | 21,0 | 17    | 8,0  | 8,0  | 8,0  |
| 160203828      | 3/8"               | 1/4"               | 22,0 | 19    | 9,0  | 8,0  | 8,0  |
| 160203838      | 3/8"               | 3/8"               | 23,0 | 19    | 9,0  | 9,0  | 11,0 |
| 160204828      | 1/2"               | 1/4"               | 23,5 | 24    | 10,0 | 8,0  | 8,0  |
| 160204838      | 1/2"               | 3/8"               | 24,5 | 24    | 10,0 | 9,0  | 11,0 |
| 160204848      | 1/2"               | 1/2"               | 25,5 | 24    | 10,0 | 10,0 | 15,0 |
| 160206848      | 3/4"               | 1/2"               | 27,5 | 30    | 12,0 | 10,0 | 15,0 |
| 160206868      | 3/4"               | 3/4"               | 53,0 | 32    | 14,7 | 14,7 | 18,0 |
| 160208848      | 1"                 | 1/2"               | 56,7 | 41    | 17,5 | 13,4 | 14,0 |
| 160208868      | 1"                 | 3/4"               | 58,0 | 41    | 17,5 | 14,7 | 18,0 |
| 160208888      | 1"                 | 1"                 | 60,8 | 41    | 17,5 | 17,5 | 25,0 |

Supplied with sealing washers

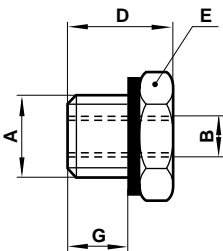
**Nipple - Male BSPT**



| Product number | A BSPT male thread | B BSPT male thread | D    | E A/F | G1   | G    | ØS min. |
|----------------|--------------------|--------------------|------|-------|------|------|---------|
| 150201818      | 1/8"               | 1/8"               | 19,5 | 12    | 7,5  | 7,5  | 5,5     |
| 150202818      | 1/4"               | 1/8"               | 23,5 | 14    | 11,0 | 7,5  | 5,5     |
| 150202828      | 1/4"               | 1/4"               | 27,6 | 14    | 11,0 | 11,0 | 6,35    |
| 150203818      | 3/8"               | 1/8"               | 24,0 | 17    | 11,5 | 7,5  | 5,5     |
| 150203828      | 3/8"               | 1/4"               | 27,5 | 17    | 11,5 | 11,0 | 8,0     |
| 150203838      | 3/8"               | 3/8"               | 28,0 | 17    | 11,5 | 11,5 | 11,0    |
| 150204818      | 1/2"               | 1/8"               | 27,0 | 22    | 14,0 | 7,5  | 5,5     |
| 150204828      | 1/2"               | 1/4"               | 30,5 | 22    | 14,0 | 11,0 | 8,0     |
| 150204838      | 1/2"               | 3/8"               | 31,0 | 22    | 14,0 | 11,5 | 11,0    |
| 150204848      | 1/2"               | 1/2"               | 33,5 | 22    | 14,0 | 14,0 | 15,0    |
| 150206828      | 3/4"               | 1/4"               | 37,2 | 27    | 19,0 | 11,1 | 6,35    |
| 150206838      | 3/4"               | 3/8"               | 38,8 | 27    | 19,0 | 12,7 | 9,0     |
| 150206848      | 3/4"               | 1/2"               | 37,5 | 27    | 16,0 | 14,0 | 15,0    |
| 150206868      | 3/4"               | 3/4"               | 40,0 | 27    | 16,5 | 16,5 | 19,0    |
| 150208838      | 1"                 | 3/8"               | 42,8 | 36    | 22,1 | 12,7 | 9,0     |
| 150208848      | 1"                 | 1/2"               | 46,0 | 36    | 22,1 | 15,9 | 12,7    |
| 150208868      | 1"                 | 3/4"               | 43,0 | 34    | 19,0 | 16,5 | 19,0    |
| 150208888      | 1"                 | 1"                 | 45,5 | 34    | 19,0 | 19,0 | 23,0    |

**BSP - Connector**

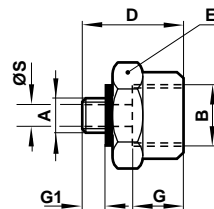
**Reducer - Male BSPP x Female BSPP**



| Product number | A BSPP male thread | B BSPP female thread | D    | E A/F | G max. |
|----------------|--------------------|----------------------|------|-------|--------|
| 160231805      | 1/8"               | M5x0,8               | 10,5 | 14    | 6,0    |
| 160232805      | 1/4"               | M5x0,8               | 13,3 | 17    | 7,3    |
| 160232818      | 1/4"               | 1/8"                 | 13,0 | 17    | 8,0    |
| 160233818      | 3/8"               | 1/8"                 | 14,0 | 19    | 9,0    |
| 160233828      | 3/8"               | 1/4"                 | 14,0 | 19    | 9,0    |
| 160234818      | 1/2"               | 1/8"                 | 15,5 | 24    | 10,0   |
| 160234828      | 1/2"               | 1/4"                 | 15,5 | 24    | 10,0   |
| 160234838      | 1/2"               | 3/8"                 | 15,5 | 24    | 10,0   |
| 160236828      | 3/4"               | 1/4"                 | 23,0 | 32    | 14,2   |
| 160236838      | 3/4"               | 3/8"                 | 17,5 | 30    | 12,0   |
| 160236848      | 3/4"               | 1/2"                 | 17,5 | 30    | 12,0   |

Supplied with sealing washers

**Expander- Male BSPP x Female BSPP**



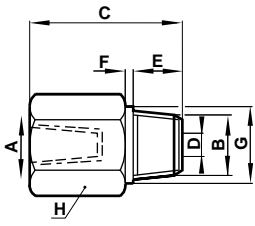
| Product number | A BSPP male thread | B BSPP female thread | D    | E A/F | G1    | ØS min. | G    |
|----------------|--------------------|----------------------|------|-------|-------|---------|------|
| 160230518      | M5x0,8             | 1/8"                 | 14,5 | 14    | 4,0   | 2,0     | 7,4  |
| 160231828      | 1/8"               | 1/4"                 | 19,5 | 17    | 6,0   | 5,5     | 9,5  |
| 160231838      | 1/8"               | 3/8"                 | 21,0 | 22    | 6,0   | 5,5     | 10,5 |
| 160232838      | 1/4"               | 3/8"                 | 22,5 | 22    | 8,0   | 8,0     | 10,5 |
| 160232848      | 1/4"               | 1/2"                 | 26,0 | 26    | 8,0   | 8,0     | 13,0 |
| 160232868      | 1/4"               | 3/4"                 | 32,8 | 32    | 7,3   | 6,5     | 16,3 |
| 160233848      | 3/8"               | 1/2"                 | 27,0 | 26    | 9,0   | 11      | 13,0 |
| 160233868      | 3/8"               | 3/4"                 | 34,2 | 32    | 8,7   | 9,5     | 16,3 |
| 160234868      | 1/2"               | 3/4"                 | 37,8 | 32    | 11,75 | 13,6    | 16,3 |

Supplied with sealing washers

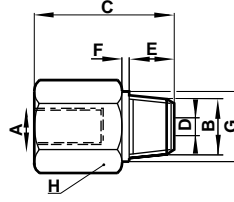


**Adaptor- Female NPTF to Male BSPT**

**Gauge Adaptor  
Female BSPP to Male NPTF**

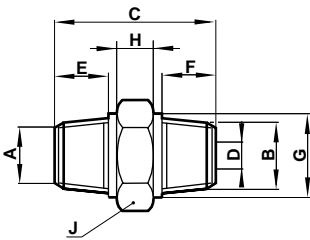


| Product number | A NPTF thread | B BSPT thread | C    | ∅D    | E     | F   | ∅G   | H A/F |
|----------------|---------------|---------------|------|-------|-------|-----|------|-------|
| 154231818      | 1/8"          | 1/8"          | 27,5 | 4,75  | 9,50  | 2,0 | 10,7 | 15,0  |
| 154232828      | 1/4"          | 1/4"          | 36,0 | 7,60  | 11,10 | 2,0 | 13,7 | 19,0  |
| 154233838      | 3/8"          | 3/8"          | 38,0 | 9,60  | 12,70 | 2,0 | 16,7 | 22,0  |
| 154234848      | 1/2"          | 1/2"          | 47,0 | 12,70 | 15,90 | 2,0 | 21,7 | 27,0  |
| 154236868      | 3/4"          | 3/4"          | 50,0 | 17,45 | 19,05 | 2,0 | 26,7 | 36,0  |



| Product number | A BSPP thread | B NPTF thread | C    | ∅D    | E    | F   | ∅G   | H A/F |
|----------------|---------------|---------------|------|-------|------|-----|------|-------|
| 172232828      | 1/4"          | 1/4"          | 33,5 | 7,60  | 14,3 | 2,0 | 17,7 | 19,0  |
| 172233838      | 3/8"          | 3/8"          | 33,5 | 9,60  | 14,3 | 2,0 | 16,7 | 24,0  |
| 172234848      | 1/2"          | 1/2"          | 44,0 | 12,70 | 19,0 | 2,0 | 21,7 | 27,0  |

**Hexagon Nipple - Male NPTF to Male BSPT**

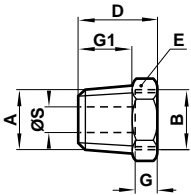


| Product number | A NPTF thread | B BSPT thread | C    | ∅D    | E    | F     | ∅G   | H   | J    |
|----------------|---------------|---------------|------|-------|------|-------|------|-----|------|
| 154201818      | 1/8"          | 1/8"          | 27,0 | 4,75  | 9,5  | 9,50  | 10,7 | 2,0 | 11,0 |
| 154202828      | 1/4"          | 1/4"          | 3,50 | 7,60  | 14,3 | 11,10 | 13,7 | 2,0 | 14,0 |
| 154203838      | 3/8"          | 3/8"          | 37,0 | 9,60  | 14,3 | 12,70 | 16,7 | 2,0 | 17,0 |
| 154204848      | 1/2"          | 1/2"          | 46,5 | 12,70 | 19,0 | 15,90 | 21,7 | 2,0 | 22,0 |
| 154206868      | 3/4"          | 3/4"          | 47,5 | 17,45 | 19,0 | 19,05 | 26,7 | 2,0 | 27,0 |

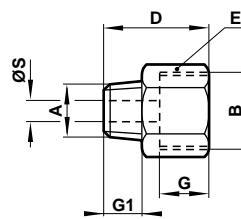
Adaptor Fittings - Allow connection between components and system using BSP or NPT threads

**BSP Connector  
Reducer – Male BSPT x Female BSPP**

**Expander – Male BSPT x Female BSPP**



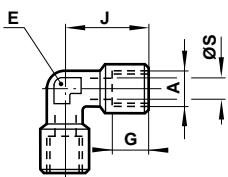
| Product number | A BSPT male thread | B BSPP female thread | D    | E A/F | G1 min. | ∅S min. | G    |
|----------------|--------------------|----------------------|------|-------|---------|---------|------|
| 150231818      | 1/8"               | 1/8"                 | 20,0 | 14    | 7,5     | 5,5     | 7,4  |
| 150232818      | 1/4"               | 1/8"                 | 16,0 | 14    | 11,0    | 5,5     | 7,4  |
| 150232828      | 1/4"               | 1/4"                 | 26,0 | 17    | 11,0    | 8,0     | 9,5  |
| 150233818      | 3/8"               | 1/8"                 | 16,5 | 17    | 11,5    | 5,5     | 7,4  |
| 150233828      | 3/8"               | 1/4"                 | 16,5 | 17    | 11,5    | 8,0     | 9,5  |
| 150233838      | 3/8"               | 3/8"                 | 27,5 | 22    | 11,5    | 11,0    | 10,5 |
| 150234818      | 1/2"               | 1/8"                 | 19,5 | 22    | 14,0    | 5,5     | 7,4  |
| 150234828      | 1/2"               | 1/4"                 | 19,5 | 22    | 14,0    | 8,0     | 9,5  |
| 150234838      | 1/2"               | 3/8"                 | 19,5 | 22    | 14,0    | 11,0    | 10,5 |
| 150234848      | 1/2"               | 1/2"                 | 33,0 | 26    | 14,0    | 15,0    | 13,0 |
| 150236828      | 3/4"               | 1/4"                 | 29,5 | 27    | 19,05   | 11,5    | 11,0 |
| 150236838      | 3/4"               | 3/8"                 | 23,5 | 27    | 16,5    | 11,0    | 10,5 |
| 150236848      | 3/4"               | 1/2"                 | 23,5 | 27    | 16,5    | 15,0    | 13,0 |
| 150238838      | 1"                 | 3/8"                 | 34,5 | 35    | 22,1    | 15,0    | 11,4 |
| 150238848      | 1"                 | 1/2"                 | 26,5 | 34    | 19,0    | 15,0    | 13,0 |
| 150238868      | 1"                 | 3/4"                 | 26,5 | 34    | 19,0    | 19,0    | 16,5 |



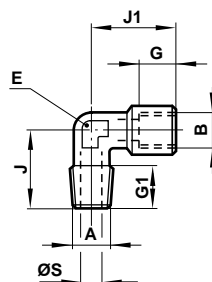
| Product number | A BSPT male thread | B BSPP female thread | D    | E A/F | G1 min. | ∅S min. | G    |
|----------------|--------------------|----------------------|------|-------|---------|---------|------|
| 150231828      | 1/8"               | 1/4"                 | 22,0 | 17    | 7,5     | 5       | 9,5  |
| 150231838      | 1/8"               | 3/8"                 | 22,5 | 22    | 7,5     | 5       | 10,5 |
| 150231848      | 1/8"               | 1/2"                 | 31,0 | 27    | 8,6     | 5       | 15,0 |
| 150232838      | 1/4"               | 3/8"                 | 27,0 | 22    | 11,0    | 8       | 10,5 |
| 150232848      | 1/4"               | 1/2"                 | 30,0 | 26    | 11,0    | 8       | 13,0 |
| 150232868      | 1/4"               | 3/4"                 | 37,3 | 32    | 11,1    | 7       | 16,3 |
| 150233848      | 3/8"               | 1/2"                 | 30,5 | 26    | 11,5    | 11      | 13,0 |
| 150233868      | 3/8"               | 3/4"                 | 38,3 | 32    | 12,7    | 11      | 16,3 |
| 150234868      | 1/2"               | 3/4"                 | 35,0 | 32    | 14,0    | 15      | 14,5 |
| 150236888      | 3/4"               | 1"                   | 47,5 | 41    | 19,05   | 18      | 19,0 |

**Elbow – 2 x Female BSPP**

**Elbow – Male BSPT x Female BSPP**



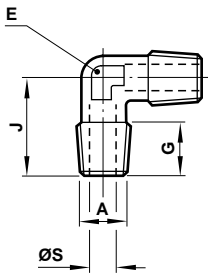
| Product number | A BSPP female thread | E A/F | G min. | J    | ∅S  |
|----------------|----------------------|-------|--------|------|-----|
| 160420018      | 1/8"                 | 12    | 7,0    | 21   | 5,5 |
| 160420028      | 1/4"                 | 13    | 9,5    | 25,5 | 8   |
| 160420038      | 3/8"                 | 16    | 11,5   | 28   | 11  |
| 160420048      | 1/2"                 | 20    | 15,0   | 32   | 15  |
| 160420068      | 3/4"                 | 27    | 14,5   | 36,5 | 19  |



| Product number | A BSPT male thread | B BSPP female thread | E A/F | G1   | G min. | J    | J1   | ∅S  |
|----------------|--------------------|----------------------|-------|------|--------|------|------|-----|
| 150430018      | 1/8"               | 1/8"                 | 12    | 8    | 7,0    | 21   | 18,5 | 5,5 |
| 150430028      | 1/4"               | 1/4"                 | 13    | 11   | 9,5    | 25,5 | 24   | 8   |
| 150430038      | 3/8"               | 3/8"                 | 16    | 11,5 | 11,5   | 28   | 27   | 11  |
| 150430048      | 1/2"               | 1/2"                 | 20    | 14   | 13,0   | 32   | 29,5 | 15  |
| 150430068      | 3/4"               | 3/4"                 | 27    | 14,5 | 14,5   | 36,5 | 32   | 19  |

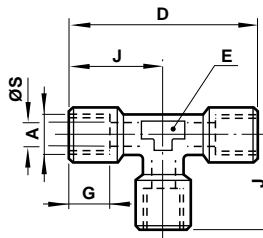


**Elbow – 2 x Male BSPT**



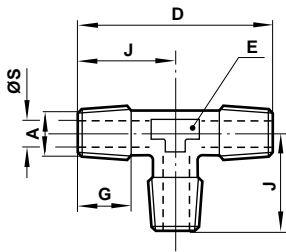
| Product number | A BSPT male thread | E A/F | G   | J    | ØS |
|----------------|--------------------|-------|-----|------|----|
| 150400018      | 1/8"               | 12    | 7,5 | 18,5 | 6  |
| 150400028      | 1/4"               | 13    | 11  | 24   | 8  |
| 150400038      | 3/8"               | 16    | 12  | 27   | 11 |
| 150400048      | 1/2"               | 20    | 14  | 29,5 | 15 |

**Tee – 3 x Female BSPP**



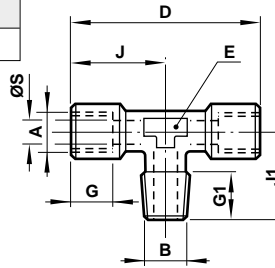
| Product number | A BSPP female thread | D  | E A/F | G min. | J    | ØS |
|----------------|----------------------|----|-------|--------|------|----|
| 160620018      | 1/8"                 | 39 | 12    | 7,4    | 19,5 | 6  |
| 160620028      | 1/4"                 | 49 | 13    | 9,5    | 24,5 | 8  |
| 160620038      | 3/8"                 | 54 | 16    | 10,5   | 27   | 11 |
| 160620048      | 1/2"                 | 64 | 20    | 13,0   | 29   | 15 |
| 160620068      | 3/4"                 | 73 | 27    | 14,5   | 36,5 | 19 |

**Tee – 3 x Male BSPT**



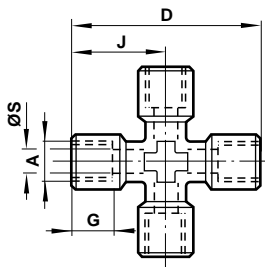
| Product number | A BSPT male thread | D  | E A/F | G  | J  | ØS |
|----------------|--------------------|----|-------|----|----|----|
| 150600028      | 1/4"               | 46 | 13    | 11 | 23 | 8  |

**Tee – 2 x Female BSPP x Male BSPT Leg**



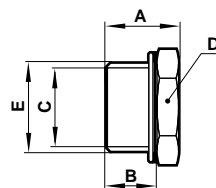
| Product number | A BSPP female thread | B BSPT male thread | D  | E A/F | G1   | G min. | J1   | J    | ØS |
|----------------|----------------------|--------------------|----|-------|------|--------|------|------|----|
| 150690018      | 1/8"                 | 1/8"               | 39 | 12    | 8    | 8,5    | 17,5 | 19,5 | 6  |
| 150690028      | 1/4"                 | 1/4"               | 49 | 13    | 11   | 11     | 23   | 24,5 | 8  |
| 150690038      | 3/8"                 | 3/8"               | 54 | 16    | 11,5 | 12     | 25,5 | 27   | 11 |
| 150690048      | 1/2"                 | 1/2"               | 64 | 20    | 14   | 15     | 29   | 32   | 15 |
| 150690068      | 3/4"                 | 3/4"               | 73 | 27    | 14,5 | 16,5   | 32   | 36,5 | 19 |

**Cross – 4 x Female BSPP**



| Product number | A BSPP female thread | D  | G   | J    | ØS |
|----------------|----------------------|----|-----|------|----|
| 160920018      | 1/8"                 | 39 | 8,5 | 19,5 | 6  |
| 160920028      | 1/4"                 | 50 | 11  | 25   | 8  |
| 160920038      | 3/8"                 | 56 | 12  | 28   | 11 |
| 160920048      | 1/2"                 | 64 | 15  | 32   | 15 |

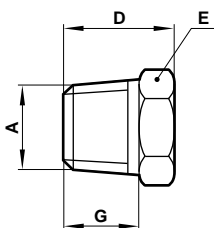
**Plug – Male BSPP**



| Product number | A    | B   | C BSPP male thread | D A/F | E Ø  |
|----------------|------|-----|--------------------|-------|------|
| 160050005      | 8,0  | 4,5 | M5                 | 8     | -    |
| 160050018      | 10,0 | 6,5 | 1/8"               | 14    | 13,4 |
| 160050028      | 13,0 | 9   | 1/4"               | 17    | 17,6 |
| 160050038      | 13,5 | 9,5 | 3/8"               | 19    | 20,9 |
| 160050048      | 14,5 | 10  | 1/2"               | 24    | 26,4 |
| 160050068      | 16   | 11  | 3/4"               | 30    | 32,4 |
| 160050088      | 17   | 12  | 1"                 | 40    | 38,9 |

Supplied with sealing washer

**Plug – Male BSPT**

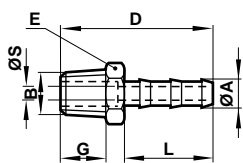


| Product number | A BSPT male thread | D    | E A/F | G     |
|----------------|--------------------|------|-------|-------|
| 150050018      | 1/8"               | 14,5 | 10    | 9,5   |
| 150050028      | 1/4"               | 16,5 | 14    | 11,1  |
| 150050038      | 3/8"               | 19   | 17    | 12,7  |
| 150050048      | 1/2"               | 22,5 | 22    | 15,9  |
| 150050068      | 3/4"               | 27   | 27    | 19,05 |
| 150050088      | 1"                 | 30   | 36    | 22,1  |



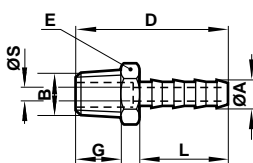
## Nickel Plated BSP & Hose Fittings

### Hose Adaptor Metric I/D Hose Bore x Male BSPT



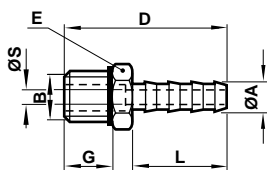
| Product number | A hose bore | B BSPT male thread | D    | E A/F | G     | L    | ØS min. |
|----------------|-------------|--------------------|------|-------|-------|------|---------|
| 291170418      | 4           | 1/8"               | 32,0 | 12    | 7,5   | 19,5 | 3,2     |
| 291170618      | 6           | 1/8"               | 32,0 | 12    | 7,5   | 19,5 | 3,2     |
| 291170628      | 6           | 1/4"               | 35,5 | 14    | 11,0  | 19,5 | 3,2     |
| 291170638      | 6           | 3/8"               | 42,5 | 17    | 14,3  | 22,5 | 5,0     |
| 291170718      | 7           | 1/8"               | 32,0 | 12    | 7,5   | 19,5 | 5,0     |
| 291170728      | 7           | 1/4"               | 35,5 | 14    | 11,0  | 19,5 | 6,0     |
| 291170738      | 7           | 3/8"               | 36,0 | 17    | 11,5  | 19,5 | 6,0     |
| 291170828      | 8           | 1/4"               | 35,5 | 14    | 11,0  | 19,5 | 7,5     |
| 291170838      | 8           | 3/8"               | 36,0 | 17    | 11,5  | 19,5 | 7,5     |
| 291170918      | 9           | 1/8"               | 36,0 | 13    | 8,3   | 22,5 | 5,0     |
| 291170928      | 9           | 1/4"               | 41,0 | 14    | 12,3  | 22,5 | 7,6     |
| 291170938      | 9           | 3/8"               | 42,5 | 17    | 14,25 | 22,5 | 7,6     |
| 291170948      | 9           | 1/2"               | 45,5 | 22    | 16,8  | 22,5 | 7,6     |
| 291171018      | 10          | 1/8"               | 36,0 | 13    | 8,3   | 22,5 | 8,8     |
| 291171028      | 10          | 1/4"               | 35,5 | 14    | 11,0  | 19,5 | 7,5     |
| 291171038      | 10          | 3/8"               | 36,0 | 17    | 11,5  | 19,5 | 7,5     |
| 291171238      | 12          | 3/8"               | 36,0 | 17    | 11,5  | 19,5 | 9,5     |
| 291171328      | 13          | 1/4"               | 48,5 | 16    | 12,3  | 29,5 | 7,0     |
| 291171338      | 13          | 3/8"               | 49,5 | 17    | 14,25 | 29,5 | 11,0    |
| 291171348      | 13          | 1/2"               | 52,5 | 22    | 16,8  | 29,5 | 11,0    |
| 291171368      | 13          | 3/4"               | 55,0 | 27    | 18,5  | 29,5 | 11,0    |
| 291171638      | 16          | 3/8"               | 36,0 | 19    | 11,5  | 19,5 | 11      |
| 291171648      | 16          | 1/2"               | 39,0 | 22    | 14,0  | 19,5 | 12,5    |
| 291171668      | 16          | 3/4"               | 43,5 | 27    | 16,5  | 19,5 | 14,5    |
| 291171938      | 19          | 3/8"               | 58,5 | 22    | 14,25 | 38,0 | 11,0    |
| 291171948      | 19          | 1/2"               | 61,0 | 22    | 16,8  | 38,0 | 14,0    |
| 291171968      | 19          | 3/4"               | 63,5 | 27    | 18,5  | 38,0 | 17,5    |
| 291172568      | 25          | 3/4"               | 63,5 | 27    | 18,5  | 38,0 | 18,0    |
| 291172588      | 25          | 1"                 | 67,5 | 35    | 21,4  | 38,0 | 22,0    |
| 291173288      | 32          | 1"                 | 72,5 | 35    | 21,4  | 43,0 | 24,0    |

### Hose Adaptor Imperial I/D Hose Bore x Male BSPT



| Product number | A hose bore | B BSPT male thread | D    | E A/F | G     | L    | ØS min. |
|----------------|-------------|--------------------|------|-------|-------|------|---------|
| 301170318      | 3/16"       | 1/8"               | 36   | 10    | 8,3   | 22,5 | 4,2     |
| 301170328      | 3/16"       | 1/4"               | 41   | 14    | 12,3  | 22,5 | 4,2     |
| 301170418      | 1/4"        | 1/8"               | 36   | 10    | 8,3   | 22,5 | 5,35    |
| 301170428      | 1/4"        | 1/4"               | 41   | 14    | 12,3  | 22,5 | 5,35    |
| 301170438      | 1/4"        | 3/8"               | 42,5 | 17    | 14,25 | 22,5 | 5,35    |
| 301170448      | 1/4"        | 1/2"               | 45,5 | 22    | 16,8  | 22,5 | 5,35    |
| 301170518      | 5/16"       | 1/8"               | 36   | 12    | 8,3   | 22,5 | 5       |
| 301170528      | 5/16"       | 1/4"               | 41   | 14    | 12,3  | 22,5 | 7       |
| 301170618      | 3/8"        | 1/8"               | 36   | 12    | 8,3   | 22,5 | 5       |
| 301170628      | 3/8"        | 1/4"               | 41   | 14    | 12,3  | 22,5 | 7       |
| 301170638      | 3/8"        | 3/8"               | 42,5 | 17    | 14,25 | 22,5 | 8,33    |
| 301170648      | 3/8"        | 1/2"               | 45,5 | 22    | 16,8  | 22,5 | 8,33    |
| 301170728      | 1/2"        | 1/4"               | 48,5 | 17    | 12,3  | 29,5 | 7       |
| 301170738      | 1/2"        | 3/8"               | 49,5 | 17    | 14,25 | 29,5 | 10,7    |
| 301170748      | 1/2"        | 1/2"               | 52,5 | 22    | 16,8  | 29,5 | 10,7    |
| 301170768      | 1/2"        | 3/4"               | 55,0 | 27    | 18,5  | 29,5 | 10,7    |
| 301170848      | 5/8"        | 1/2"               | 61,0 | 22    | 16,8  | 38,0 | 14,0    |
| 301170868      | 5/8"        | 3/4"               | 63,5 | 27    | 18,5  | 38,0 | 14,5    |
| 301170948      | 3/4"        | 1/2"               | 61,0 | 22    | 16,8  | 38,0 | 14,0    |
| 301170968      | 3/4"        | 3/4"               | 63,5 | 27    | 18,5  | 38,0 | 17,5    |
| 301170988      | 3/4"        | 1"                 | 67,5 | 35    | 21,4  | 38,0 | 17,55   |
| 301171088      | 1"          | 1"                 | 67,5 | 35    | 21,4  | 38,0 | 22,4    |
| 3011711A8      | 1 1/4"      | 1 1/4"             | 80,0 | 42    | 24,7  | 43,0 | 29,25   |
| 3011712B8      | 1 1/2"      | 1 1/2"             | 80,0 | 50    | 24,7  | 43,0 | 36,0    |

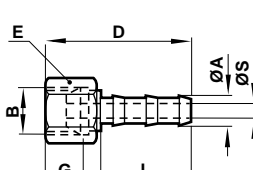
### Hose Adaptor – Metric I/D Hose Bore x Male BSPP



| Product number | A hose bore | B BSPP male thread | D    | E A/F | G    | L    | ØS min. |
|----------------|-------------|--------------------|------|-------|------|------|---------|
| 292170203      | 2,5         | M3                 | 14,0 | 5     | 3,5  | 7,5  | 1,8     |
| 292170305      | 3           | M5x0,8"            | 15,6 | 8     | 3,5  | 7,5  | 2,0     |
| 292170318      | 3           | 1/8"               | 21,0 | 14    | 7,4  | 7,5  | 2,0     |
| 292170418      | 4           | 1/8"               | 36,5 | 14    | 7,4  | 22,5 | 3,3     |
| 292170428      | 4           | 1/4"               | 40,5 | 19    | 10,0 | 22,5 | 3,3     |
| 292170518      | 5           | 1/8"               | 36,5 | 14    | 7,4  | 22,5 | 4,0     |
| 292170618      | 6           | 1/8"               | 36,5 | 14    | 7,4  | 22,5 | 5,0     |
| 292170628      | 6           | 1/4"               | 40,5 | 19    | 10,0 | 22,5 | 5,0     |
| 292170638      | 6           | 3/8"               | 43,0 | 22    | 11,4 | 22,5 | 5,0     |
| 292170918      | 9           | 1/8"               | 36,5 | 14    | 7,4  | 22,5 | 7,6     |
| 292170928      | 9           | 1/4"               | 40,5 | 19    | 10,0 | 22,5 | 7,6     |
| 292170938      | 9           | 3/8"               | 43,0 | 22    | 11,4 | 22,5 | 7,6     |
| 292170948      | 9           | 1/2"               | 47,0 | 27    | 15,0 | 22,5 | 7,6     |
| 292171328      | 13          | 1/4"               | 47,5 | 19    | 10,0 | 29,5 | 11,0    |
| 292171338      | 13          | 3/8"               | 49,5 | 22    | 11,4 | 29,5 | 11,0    |
| 292171348      | 13          | 1/2"               | 54,5 | 27    | 15,0 | 29,5 | 11,0    |
| 292171368      | 13          | 3/4"               | 59,5 | 32    | 16,3 | 29,5 | 11,0    |
| 292171968      | 19          | 3/4"               | 67,5 | 32    | 16,3 | 38,0 | 17,5    |

Supplied with sealing washer

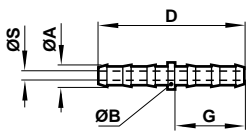
### Swivel Hose Adaptor – Imperial I/D x Female BSPP



| Product number | A hose bore | B BSPP female thread | D    | E A/F | G    | L    | ØS min. |
|----------------|-------------|----------------------|------|-------|------|------|---------|
| 302180418      | 1/4"        | 1/8"                 | 32,3 | 13    | 4,6  | 22,5 | 4,0     |
| 302180428      | 1/4"        | 1/4"                 | 34,8 | 17    | 6,0  | 22,5 | 5,35    |
| 302180438      | 1/4"        | 3/8"                 | 35,8 | 22    | 6,0  | 22,5 | 5,35    |
| 302180628      | 3/8"        | 1/4"                 | 34,8 | 17    | 6,0  | 22,5 | 6,35    |
| 302180638      | 3/8"        | 3/8"                 | 35,8 | 22    | 6,0  | 22,5 | 8,33    |
| 302180648      | 3/8"        | 1/2"                 | 37,9 | 27    | 7,4  | 22,5 | 8,33    |
| 302180748      | 1/2"        | 1/2"                 | 44,9 | 27    | 7,4  | 29,5 | 10,7    |
| 302180768      | 1/2"        | 3/4"                 | 49,9 | 32    | 11,9 | 29,5 | 10,7    |
| 302180968      | 3/4"        | 3/4"                 | 58,4 | 32    | 11,9 | 38,0 | 16,5    |



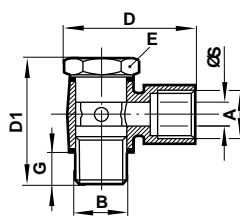
### Hose Connector – Imperial



| Product number | A hose bore | B  | D  | G    | ØS    |
|----------------|-------------|----|----|------|-------|
| 300140303      | 3/16"       | 8  | 47 | 22,5 | 4,2   |
| 300140404      | 1/4"        | 9  | 47 | 22,5 | 5,35  |
| 300140505      | 5/16"       | 12 | 47 | 22,5 | 7,0   |
| 300140606      | 3/8"        | 13 | 47 | 22,5 | 8,33  |
| 300140707      | 1/2"        | 16 | 62 | 29,5 | 10,7  |
| 300140808      | 5/8"        | 19 | 79 | 38,0 | 14,0  |
| 300140909      | 3/4"        | 23 | 79 | 38,0 | 17,55 |
| 300141010      | 1"          | 28 | 79 | 38,0 | 22,4  |

Both ends identical.

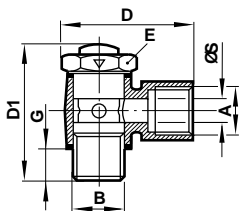
### Elbow Banjo Assembly Non Regulating Bolt



| Product number | A thread BSP | B thread BSP | D  | D1 | E A/F | G   | ØS  |
|----------------|--------------|--------------|----|----|-------|-----|-----|
| 16A511818      | 1/8"         | 1/8"         | 29 | 29 | 14    | 5   | 6,0 |
| 16A512828      | 1/4"         | 1/4"         | 38 | 32 | 17    | 6   | 7,6 |
| 16A513838      | 3/8"         | 3/8"         | 44 | 45 | 22    | 9,5 | 9,6 |
| 16A514848      | 1/2"         | 1/2"         | 63 | 47 | 27    | 12  | 9,6 |

Female parallel BSP thread to male parallel BSP thread

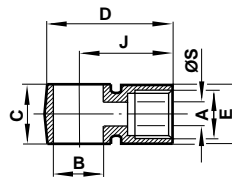
### Elbow Banjo Assembly Regulating Out



| Product number | A thread BSP | B thread BSP | D  | D1 | E A/F | G    | ØS  |
|----------------|--------------|--------------|----|----|-------|------|-----|
| 16K511818      | 1/8"         | 1/8"         | 29 | 34 | 14    | 5,0  | 6,0 |
| 16K512828      | 1/4"         | 1/4"         | 38 | 37 | 17    | 6,0  | 7,6 |
| 16K513838      | 3/8"         | 3/8"         | 44 | 52 | 22    | 9,5  | 9,6 |
| 16K514848      | 1/2"         | 1/2"         | 63 | 58 | 27    | 12,0 | 9,6 |

Arrow on bolt hexagon indicates free flow direction.  
Pressure range 1 -10 bar.

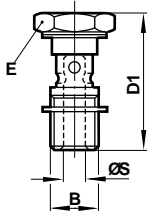
### Elbow Banjo Body



| Product number | A thread BSP | B for BSP bolt | C    | D    | E Ø  | J  | ØS  |
|----------------|--------------|----------------|------|------|------|----|-----|
| 160511818      | 1/8"         | 1/8"           | 14,0 | 28,0 | 13,0 | 21 | 6,0 |
| 160512828      | 1/4"         | 1/4"           | 16,0 | 37,0 | 16,0 | 28 | 7,6 |
| 160513838      | 3/8"         | 3/8"           | 20,5 | 42,0 | 20,5 | 31 | 9,6 |
| 160514848      | 1/2"         | 1/2"           | 22,0 | 61,0 | 24,7 | 47 | 9,6 |

Female parallel BSP thread

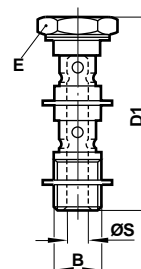
### Banjo Bolt – Non Regulating Single Stacking



| Product number | B thread BSP | D1 | E A/F | ØS   |
|----------------|--------------|----|-------|------|
| 20A000018      | 1/8"         | 29 | 14    | 4,5  |
| 20A000028      | 1/4"         | 33 | 17    | 5,5  |
| 20A000038      | 3/8"         | 41 | 22    | 9,2  |
| 20A000048      | 1/2"         | 49 | 27    | 10,5 |

Male parallel BSP thread.  
All banjo bolts supplied complete with sealing washers.

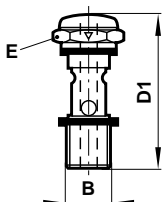
### Banjo Bolt – Non Regulating Double Stacking



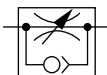
| Product number | B thread BSP | D1   | E A/F | ØS   |
|----------------|--------------|------|-------|------|
| 20B000018      | 1/8"         | 44   | 14    | 4,5  |
| 20B000028      | 1/4"         | 50   | 17    | 5,5  |
| 20B000038      | 3/8"         | 62,5 | 22    | 9,2  |
| 20B000048      | 1/2"         | 74   | 27    | 10,5 |

Male parallel BSP thread

### Banjo Bolt – Regulating Single stacking BSP parallel

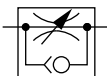


#### Regulating Out



| Product number | B thread | D1   | E A/F |
|----------------|----------|------|-------|
| 20K000018      | 1/8"     | 34,0 | 14    |
| 20K000028      | 1/4"     | 36,5 | 17    |
| 20K000038      | 3/8"     | 51,5 | 22    |
| 20K000048      | 1/2"     | 57,0 | 27    |

#### Regulating In



| Product number | B thread | D1   | E A/F |
|----------------|----------|------|-------|
| 20L000018      | 1/8"     | 34,0 | 14    |
| 20L000028      | 1/4"     | 36,5 | 17    |
| 20L000038      | 3/8"     | 51,5 | 22    |
| 20L000048      | 1/2"     | 57,0 | 27    |

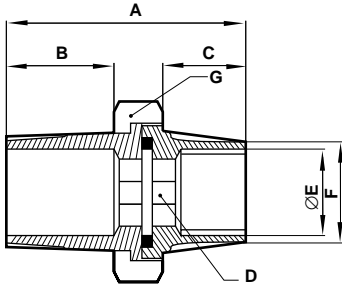
### Bi-Directional Flow

| Product number | B thread | D1   | E A/F |
|----------------|----------|------|-------|
| 20M000018      | 1/8"     | 34,0 | 14    |
| 20M000028      | 1/4"     | 36,5 | 17    |
| 20M000038      | 3/8"     | 51,5 | 22    |
| 20M000048      | 1/2"     | 57,0 | 27    |

All banjo bolts supplied complete with sealing washers.  
Arrow on bolt hexagon indicates free flow direction.  
Pressure range 1 -10 bar.

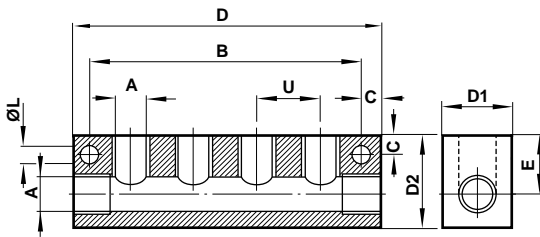


### Flat Union



| Assembly part number | Nom size | A O/All Length | B Length | C Length | D A/F Hex Thro' | E Ø  | F BSPT thread | G A/F Hex |
|----------------------|----------|----------------|----------|----------|-----------------|------|---------------|-----------|
| 150331818            | 1/8"     | 33,3           | 15,0     | 10,0     | 5               | 6,0  | 1/8"          | 15        |
| 150332828            | 1/4"     | 42,0           | 18,5     | 13,0     | 8               | 9,5  | 1/4"          | 24        |
| 150333838            | 3/8"     | 43,0           | 19,0     | 13,0     | 10              | 12,0 | 3/8"          | 27        |
| 150334848            | 1/2"     | 52,0           | 23,0     | 17,5     | 14              | 15,0 | 1/2"          | 30        |
| 150336868            | 3/4"     | 56,5           | 25,0     | 19,0     | 17              | 20,0 | 3/4"          | 38        |
| 150338888            | 1"       | 68,0           | 29,0     | 23,0     | 19              | 24,0 | 1"            | 46        |

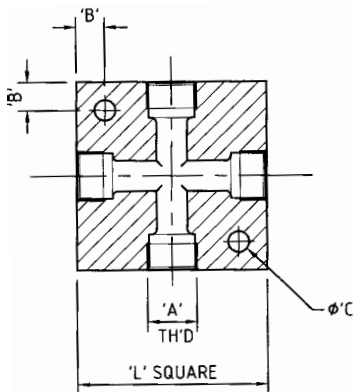
### Single Sided Manifold



| Product number | No. of outlets | A thread BSP | B   | C | D   | D1   | D2   | E  | L   | U  |
|----------------|----------------|--------------|-----|---|-----|------|------|----|-----|----|
| 34 0504 01     | 4              | 1/8"         | 71  | 5 | 81  | 16,0 | 25,0 | 15 | 5,5 | 17 |
| 34 0504 02     | 4              | 1/4"         | 99  | 5 | 109 | 23,0 | 31,0 | 20 | 5,5 | 23 |
| 34 0504 03     | 4              | 3/8"         | 115 | 6 | 127 | 25,4 | 34,9 | 23 | 6,5 | 27 |
| 34 0506 01     | 6              | 1/8"         | 105 | 5 | 115 | 16,0 | 25,0 | 15 | 5,5 | 17 |
| 34 0506 02     | 6              | 1/4"         | 145 | 5 | 155 | 23,0 | 31,0 | 20 | 5,5 | 23 |
| 34 0506 03     | 6              | 3/8"         | 169 | 6 | 181 | 25,4 | 34,9 | 23 | 6,5 | 27 |

Product is unplated brass

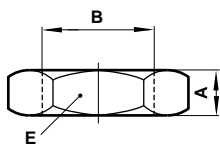
### 4 Way Block Cross Connector



| Product number | A    | B   | C   | L    |
|----------------|------|-----|-----|------|
| 160940018      | 1/8" | 4,3 | 4,5 | 25,0 |
| 160940028      | 1/4" | 6,5 | 5,5 | 40,0 |
| 160940038      | 3/8" | 7,5 | 5,5 | 50,0 |
| 160940048      | 1/2" | 7,5 | 5,5 | 50,0 |

Product is aluminium

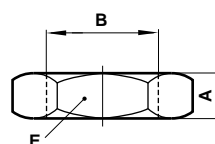
### Locknut - Metric



| Product number | B thread BSP | A   | E A/F |
|----------------|--------------|-----|-------|
| 360546 01      | 1/8"         | 4,8 | 13    |
| 360546 02      | 1/4"         | 6,4 | 17    |
| 360546 03      | 3/8"         | 6,4 | 22    |
| 360546 04      | 1/2"         | 6,4 | 27    |
| 360546 06      | 3/4"         | 7,1 | 32    |
| 360546 07      | 7/8"         | 7,9 | 36    |
| 360546 08      | 1"           | 8,7 | 41    |
| 360546 09      | 1 1/4"       | 8,7 | 50    |
| 360546 10      | 1 1/2"       | 9,5 | 55    |

Product is unplated brass

### Locknut - Inch



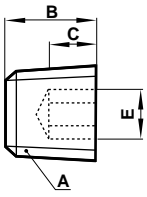
| Product number | B thread BSP | A    | E A/F |
|----------------|--------------|------|-------|
| 340223 01      | 1/8"         | 0,19 | 0,53  |
| 340223 02      | 1/4"         | 0,25 | 0,71  |
| 340223 03      | 3/8"         | 0,25 | 0,82  |
| 340223 04      | 1/2"         | 0,25 | 1,01  |
| 360546 06      | 3/4"         | 0,28 | 1,30  |
| 340223 07      | 7/8"         | 0,31 | 1,48  |
| 340223 08      | 1"           | 0,34 | 1,67  |

Product is unplated brass



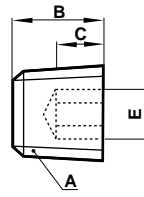


**Taper plug  
Brass - unplated**



| Product number | A thread BSPT | B  | C  | E A/F |
|----------------|---------------|----|----|-------|
| 250130018      | 1/8"          | 8  | 6  | 5     |
| 250130028      | 1/4"          | 10 | 8  | 6     |
| 250130038      | 3/8"          | 11 | 8  | 8     |
| 250130048      | 1/2"          | 13 | 8  | 10    |
| 250130068      | 3/4"          | 17 | 11 | 14    |
| 250130088      | 1"            | 19 | 13 | 17    |

**Taper plug  
Steel - zinc plated**



| Product number | A thread BSPT | B  | C  | E A/F |
|----------------|---------------|----|----|-------|
| 250130018FZ    | 1/8"          | 8  | 6  | 5     |
| 250130028FZ    | 1/4"          | 10 | 8  | 6     |
| 250130038FZ    | 3/8"          | 11 | 8  | 8     |
| 250130048FZ    | 1/2"          | 13 | 8  | 10    |
| 250130068FZ    | 3/4"          | 17 | 11 | 14    |
| 250130088FZ    | 1"            | 19 | 13 | 17    |

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