

techhose

QUALITY CONNECTIONS

Hydraulics

Pneumatics
& Vacuum

Industrial

Compressed Air
& Ring Main

Process &
Instrumentation

Push-in Fittings & Tubing

Plastic Push-in Fittings



PLASTIC PUSH-IN FITTINGS BSP & Metric Threads x Metric Tube



Features:

- Convenient One Touch fittings provide instant connections
- Elliptical release ring facilitates pneumatic installation in confined spaces
- Light manual pressure on the elliptical release ring is all that is required to instantly disconnect each tube; no special tools required
- Nickel-plated brass threaded body ensures anti-corrosion and anti-contamination
- All taper threaded fittings are pre-coated with PTFE sealant and require no additional sealing

 **Working Temperature:**
0°C to +60°C

 **Maximum Working Pressure:**
10 bar (150 psi)

Construction:

| | |
|---------------|---------------------|
| Resin Body: | PBT |
| Metal Body: | Nickel-plated brass |
| Packing: | Nitrile |
| Back Ring: | POM |
| O-Ring: | Nitrile |
| Collar: | Nickel-plated zinc |
| Sleeve: | POM |
| Locking Claw: | Stainless steel |
| Media: | Air and vacuum |
| Threads: | BSPP, BSPT, metric |
| OD: | Metric |

PLASTIC PUSH-IN FITTINGS


One Touch Emergency Fittings Kits



Convenient, compact boxes containing a selection of popular FT Pro One Touch plastic push-in fittings along with handy tube cutter.

Available in three sizes: 6mm, 8mm and 10mm. Can be used with nylon 6, 11, 12, and polyurethane (ester and ether).

 **Working Temperature:**
Brass & Acetal:
0°C to +60°C*

 **Maximum Working Pressure:**
10 bar (150 psi)*
Negative Pressure:
-750mm Hg (10 Torr)*

Media:
Air and vacuum only.

Plastic Push-in

| 1060 | OD mm |
|---------------|-------|
| FTP-06MMBOX-P | 6 |
| FTP-08MMBOX-P | 8 |
| FTP-10MMBOX-P | 10 |

Tech Sheet 1964



Contents:

6mm

Plastic Push-in Fittings & Tube Cutter

| | | | |
|---|---|--|----------------------------------|
| 1 x Tube Cutter KTC-1 | 10 x Equal Tees 2019-8404 | 10 x Equal Connectors 2019-8305 | 2 x Equal Bulkheads 2019-8503 |
| 8 x Equal Elbows 2019-8354 | 8 x 1/8" BSPP Male Stud Elbows 2028-8247 | 5 x 1/4" BSPP Male Stud Elbows 2028-8254 | |
| 2 x 1/8" BSPT Flow Controllers 2022-9852 | 2 x 1/4" BSPT Flow Controllers 2022-9878 | 2 x Flow Controllers (Unidirectional) 2022-9746 | |
| 10 x 1/8" BSPT Male Studs 2019-4965 | 10 x 1/4" BSPT Male Studs 2019-4973 | 2 x Shut Off Valves (Tube x Tube) HVFF06-06 | |
| 5 x M5 BSPT Male Studs 2019-4957 | 10 x 1/8" BSPP Male Studs 2028-7819 | 10 x 1/4" BSPP Male Studs 2028-7843 | |

8mm

Plastic Push-in Fittings & Tube Cutter

| | | | |
|---|---|--|----------------------------------|
| 1 x Tube Cutter KTC-1 | 8 x Equal Tees 2019-8412 | 10 x Equal Connectors 2019-8313 | 2 x Equal Bulkheads 2019-8511 |
| 6 x Equal Elbows 2019-8362 | 6 x 1/8" BSPP Male Stud Elbows 2028-8270 | 5 x 1/4" BSPP Male Stud Elbows 2028-8288 | |
| 2 x 1/8" BSPT Flow Controllers 2022-9886 | 2 x 1/4" BSPT Flow Controllers 2022-9894 | 2 x Flow Controllers (Unidirectional) 2022-9753 | |
| 10 x 1/8" BSPT Male Studs 2019-4999 | 10 x 1/4" BSPT Male Studs 2019-5004 | 2 x Shut Off Valves (Tube x Tube) HVFF08-08 | |
| 5 x 3/8" BSPT Male Studs 2019-5012 | 10 x 1/8" BSPP Male Studs 2028-7876 | 10 x 1/4" BSPP Male Studs 2028-7884 | |

10mm

Plastic Push-in Fittings & Tube Cutter

| | | |
|---|--|---|
| 1 x Tube Cutter KTC-1 | 2 x Flow Controllers (Unidirectional) 2022-9761 | 8 x Equal Connectors 2019-8321 |
| 3 x Equal Elbows 2019-8370 | 3 x 1/8" BSPP Male Stud Elbows 2028-8312 | 3 x 1/4" BSPP Male Stud Elbows 2028-8320 |
| 2 x 1/4" BSPT Flow Controllers 2022-9928 | 1 x 3/8" BSPT Flow Controller 2022-9936 | 2 x Equal Tees 2019-8420 |
| 7 x 1/8" BSPT Male Studs 2019-5038 | 7 x 1/4" BSPT Male Studs 2019-5046 | 2 x Equal Bulkheads 2019-8529 |
| 5 x 3/8" BSPT Male Studs 2019-5053 | 8 x 1/8" BSPP Male Studs 2028-7926 | 6 x 1/4" BSPP Male Studs 2028-7934 |

*Dependent upon tubing specification.

ONE TOUCH PLASTIC PUSH-IN FITTINGS, METRIC



Working Temperature:
0°C to +60°C



Maximum Working Pressure:
10 bar (150 psi)

Media:
Air and vacuum only.

Negative Pressure:
-750mm Hg (10 Torr)

Male Studs



Male Thread, Metric & BSPT

| 1060 | OD mm | Thread |
|-----------|-------|--------|
| 2019-4890 | 4 | M5 |
| 2019-4932 | 4 | 1/8" |
| 2046-7163 | 4 | M6 |
| 2019-4940 | 4 | 1/4" |
| 2046-7164 | 4 | 3/8" |
| 2019-4957 | 6 | M5 |
| 2019-4965 | 6 | 1/8" |
| 2046-7165 | 6 | M6 |
| 2019-4973 | 6 | 1/4" |
| 2019-4981 | 6 | 3/8" |
| 2046-7166 | 6 | 1/2" |
| 2019-4999 | 8 | 1/8" |
| 2019-5004 | 8 | 1/4" |
| 2019-5012 | 8 | 3/8" |
| 2019-5020 | 8 | 1/2" |
| 2019-5038 | 10 | 1/8" |
| 2019-5046 | 10 | 1/4" |
| 2019-5053 | 10 | 3/8" |
| 2019-5061 | 10 | 1/2" |
| 2019-5076 | 12 | 1/4" |
| 2019-5087 | 12 | 3/8" |
| 2019-5095 | 12 | 1/2" |
| 2019-5096 | 16 | 3/8" |
| 2019-5097 | 16 | 1/2" |

Tech Sheet 1964

Male Thread, Metric & BSPT



| 1060 | OD mm | Thread |
|-----------|-------|--------|
| 2019-0010 | 4 | M5 |
| 2019-0011 | 4 | M6 |
| 2019-0012 | 4 | 1/8" |
| 2019-0013 | 4 | 1/4" |
| 2019-0014 | 6 | M5 |
| 2019-0015 | 6 | M6 |
| 2019-0016 | 6 | 1/8" |
| 2019-0017 | 6 | 1/4" |
| 2019-0018 | 6 | 3/8" |
| 2019-0019 | 6 | 1/2" |
| 2019-0020 | 8 | 1/8" |
| 2019-0021 | 8 | 1/4" |
| 2019-0022 | 8 | 3/8" |
| 2019-0023 | 8 | 1/2" |
| 2019-0024 | 10 | 1/8" |
| 2019-0025 | 10 | 1/4" |
| 2019-0026 | 10 | 3/8" |
| 2019-0027 | 10 | 1/2" |
| 2019-0028 | 12 | 1/4" |
| 2019-0029 | 12 | 3/8" |
| 2019-0030 | 12 | 1/2" |
| 2019-0031 | 16 | 3/8" |
| 2019-0032 | 16 | 1/2" |

Female Studs



Female Thread, BSPP

| 1060 | OD mm | Thread |
|-----------|-------|--------|
| 2019-6325 | 4 | 1/8" |
| 2046-7167 | 4 | 1/4" |
| 2019-6366 | 6 | 1/8" |
| 2019-6416 | 6 | 1/4" |
| 2019-6432 | 6 | 3/8" |
| 2019-6440 | 8 | 1/8" |
| 2019-6465 | 8 | 1/4" |
| 2019-6721 | 8 | 3/8" |
| 2046-7168 | 8 | 1/2" |
| 2019-6739 | 10 | 1/8" |
| 2019-6754 | 10 | 1/4" |
| 2019-6911 | 10 | 3/8" |
| 2046-7169 | 10 | 1/2" |
| 2019-6929 | 12 | 1/4" |
| 2019-7018 | 12 | 3/8" |
| 2019-7059 | 12 | 1/2" |

Tech Sheet 1964

Female Bulkhead Connectors



Female Thread, Metric & BSPP

| 1060 | OD mm | Thread | Bulkhead |
|-----------|-------|--------|----------|
| 2046-7194 | 4 | M5 | M12 x 1 |
| 2019-7083 | 4 | 1/8" | M12 x 1 |
| 2046-7196 | 4 | 1/4" | M12 x 1 |
| 2046-7197 | 6 | M5 | M14 x 1 |
| 2019-7125 | 6 | 1/8" | M14 x 1 |
| 2046-7198 | 6 | M6 | M14 x 1 |
| 2019-7133 | 6 | 1/4" | M14 x 1 |
| 2046-7199 | 6 | 3/8" | M14 x 1 |
| 2046-7200 | 6 | 1/2" | M14 x 1 |
| 2046-7201 | 8 | 1/8" | M16 x 1 |
| 2019-7166 | 8 | 1/4" | M16 x 1 |
| 2019-7182 | 8 | 3/8" | M16 x 1 |
| 2046-7202 | 8 | 1/2" | M16 x 1 |
| 2046-7203 | 10 | 1/8" | M20 x 1 |
| 2019-7299 | 10 | 1/4" | M20 x 1 |
| 2019-7307 | 10 | 3/8" | M20 x 1 |
| 2046-7204 | 10 | 1/2" | M20 x 1 |
| 2019-7315 | 12 | 1/4" | M22 x 1 |
| 2019-7497 | 12 | 3/8" | M22 x 1 |
| 2046-7205 | 12 | 1/2" | M22 x 1 |

Tech Sheet 1964

Male Thread, BSPP



| 1060 | OD mm | Thread |
|-----------|-------|--------|
| 2028-7736 | 4 | 1/8" |
| 2028-7793 | 4 | 1/4" |
| 2028-7819 | 6 | 1/8" |
| 2028-7843 | 6 | 1/4" |
| 2028-7868 | 6 | 3/8" |
| 2028-7876 | 8 | 1/8" |
| 2028-7884 | 8 | 1/4" |
| 2028-7900 | 8 | 3/8" |
| 2028-7918 | 8 | 1/2" |
| 2028-7926 | 10 | 1/8" |
| 2028-7934 | 10 | 1/4" |
| 2028-7942 | 10 | 3/8" |
| 2028-7959 | 10 | 1/2" |
| 2028-7967 | 12 | 1/4" |
| 2028-7975 | 12 | 3/8" |
| 2028-7983 | 12 | 1/2" |
| 2028-7986 | 16 | 3/8" |
| 2028-7987 | 16 | 1/2" |

Tech Sheet 1964



For Brass Nickel
Plated Hose Tails
see pages 1140-1146

Working Temperature:
 Brass: 0°C to +60°C
 Acetal: 0°C to +60°C

Maximum Working Pressure:
 10 bar (150 psi)

Media:
 Air and vacuum only.

Negative Pressure:
 -750mm Hg (10 Torr)

Male Stud Swivel Elbows



Male Thread, Metric & BSPT

| 1060 | OD mm | Thread |
|-----------|-------|--------|
| 2019-5103 | 4 | M5 |
| 2019-5111 | 4 | 1/8" |
| 2046-7170 | 4 | M6 |
| 2019-5129 | 4 | 1/4" |
| 2019-5822 | 6 | M5 |
| 2019-5145 | 6 | 1/8" |
| 2046-7171 | 6 | M6 |
| 2019-5152 | 6 | 1/4" |
| 2019-5160 | 6 | 3/8" |
| 2046-7172 | 6 | 1/2" |
| 2019-5178 | 8 | 1/8" |
| 2019-5186 | 8 | 1/4" |
| 2019-5194 | 8 | 3/8" |
| 2019-5202 | 8 | 1/2" |
| 2019-5210 | 10 | 1/8" |
| 2019-5228 | 10 | 1/4" |
| 2019-5236 | 10 | 3/8" |
| 2019-5244 | 10 | 1/2" |
| 2019-5251 | 12 | 1/4" |
| 2019-5269 | 12 | 3/8" |
| 2019-5277 | 12 | 1/2" |
| 2019-5278 | 16 | 3/8" |
| 2019-5279 | 16 | 1/2" |

Tech Sheet 1964



Male Thread, BSPP

| 1060 | OD mm | Thread |
|-----------|-------|--------|
| 2028-8221 | 4 | 1/8" |
| 2028-8239 | 4 | 1/4" |
| 2028-8247 | 6 | 1/8" |
| 2028-8254 | 6 | 1/4" |
| 2028-8262 | 6 | 3/8" |
| 2028-8270 | 8 | 1/8" |
| 2028-8288 | 8 | 1/4" |
| 2028-8296 | 8 | 3/8" |
| 2028-8304 | 8 | 1/2" |
| 2028-8312 | 10 | 1/8" |
| 2028-8320 | 10 | 1/4" |
| 2028-8338 | 10 | 3/8" |
| 2028-8379 | 10 | 1/2" |
| 2028-8403 | 12 | 1/4" |
| 2028-8411 | 12 | 3/8" |
| 2028-8429 | 12 | 1/2" |

Tech Sheet 1964

Male Stud Swivel Elbows



Extended Male Thread, Metric & BSPT

| 1060 | OD mm | Thread |
|-----------|-------|--------|
| 2019-5905 | 4 | M5 |
| 2019-5913 | 4 | 1/8" |
| 2019-5939 | 6 | M5 |
| 2019-5947 | 6 | 1/8" |
| 2046-7191 | 6 | M6 |
| 2019-5954 | 6 | 1/4" |
| 2019-5970 | 8 | 1/8" |
| 2019-5988 | 8 | 1/4" |
| 2019-6135 | 10 | 1/8" |
| 2019-6150 | 10 | 1/4" |
| 2019-6192 | 12 | 1/4" |
| 2019-6200 | 12 | 3/8" |

Tech Sheet 1964



Extended Male Thread, BSPP

| 1060 | OD mm | Thread |
|-----------|-------|--------|
| 2033-8729 | 4 | 1/8" |
| 2033-8737 | 4 | 1/4" |
| 2033-8745 | 6 | 1/8" |
| 2033-8752 | 6 | 1/4" |
| 2033-8778 | 6 | 3/8" |
| 2033-8786 | 8 | 1/8" |
| 2033-9107 | 8 | 1/4" |
| 2033-9115 | 8 | 3/8" |
| 2033-9131 | 10 | 1/8" |
| 2033-9149 | 10 | 1/4" |
| 2033-9156 | 10 | 3/8" |
| 2033-9180 | 12 | 3/8" |

Tech Sheet 1964

45° Male Stud Elbows



Male Thread, BSPT

| 1060 | OD mm | Thread |
|-----------|-------|--------|
| 2019-0210 | 6 | 1/8" |
| 2019-0211 | 6 | 1/4" |



For Silencers
 see page 631

ONE TOUCH PLASTIC PUSH-IN FITTINGS, METRIC



Working Temperature:
Brass: 0°C to +60°C
Acetal: 0°C to +60°C



Maximum Working Pressure:
10 bar (150 psi)

Media:
Air and vacuum only.

Negative Pressure:
-750mm Hg (10 Torr)

Male Stud Swivel Tees



Branch Male Thread, Metric & BSPT

| 1060 | OD mm | Thread |
|-----------|-------|--------|
| 2019-5293 | 4 | M5 |
| 2019-5301 | 4 | 1/8" |
| 2019-5335 | 4 | 1/4" |
| 2019-5541 | 6 | M5 |
| 2019-5749 | 6 | 1/8" |
| 2019-5764 | 6 | 1/4" |
| 2019-5772 | 6 | 3/8" |
| 2046-7175 | 6 | 1/2" |
| 2019-5780 | 8 | 1/8" |
| 2019-5798 | 8 | 1/4" |
| 2019-5806 | 8 | 3/8" |
| 2019-5814 | 8 | 1/2" |
| 2019-5830 | 10 | 1/8" |
| 2019-5848 | 10 | 1/4" |
| 2019-5855 | 10 | 3/8" |
| 2019-5863 | 10 | 1/2" |
| 2019-5871 | 12 | 1/4" |
| 2019-5889 | 12 | 3/8" |
| 2019-5897 | 12 | 1/2" |

Tech Sheet 1964



Branch Male Thread, BSPP

| 1060 | OD mm | Thread |
|-----------|-------|--------|
| 2028-8007 | 4 | 1/8" |
| 2028-8023 | 4 | 1/4" |
| 2028-8031 | 6 | 1/8" |
| 2028-8049 | 6 | 1/4" |
| 2028-8056 | 6 | 3/8" |
| 2028-8064 | 8 | 1/8" |
| 2028-8072 | 8 | 1/4" |
| 2028-8122 | 8 | 3/8" |
| 2028-8130 | 8 | 1/2" |
| 2028-8148 | 10 | 1/8" |
| 2028-8155 | 10 | 1/4" |
| 2028-8163 | 10 | 3/8" |
| 2028-8189 | 12 | 1/4" |
| 2028-8205 | 12 | 3/8" |
| 2028-8213 | 12 | 1/2" |

Tech Sheet 1964



Run Male Thread, Metric & BSPT

| 1060 | OD mm | Thread |
|-----------|-------|--------|
| 2019-7992 | 4 | M5 |
| 2019-8008 | 4 | 1/8" |
| 2019-8010 | 4 | 1/4" |
| 2019-8012 | 6 | M5 |
| 2019-8032 | 6 | 1/8" |
| 2019-8040 | 6 | 1/4" |
| 2019-8057 | 6 | 3/8" |
| 2019-8065 | 8 | 1/8" |
| 2019-8073 | 8 | 1/4" |
| 2019-8081 | 8 | 3/8" |
| 2019-8089 | 8 | 1/2" |
| 2019-8107 | 10 | 1/8" |
| 2019-8115 | 10 | 1/4" |
| 2019-8123 | 10 | 3/8" |
| 2019-8156 | 12 | 3/8" |
| 2019-8164 | 12 | 1/2" |

Tech Sheet 1964



Run Male Thread, BSPP

| 1060 | OD mm | Thread |
|-----------|-------|--------|
| 2033-8570 | 6 | 1/8" |
| 2033-8588 | 6 | 1/4" |
| 2033-8612 | 8 | 1/4" |

Tech Sheet 1964

Male Stud Swivel Ys



Male Thread, Metric & BSPT

| 1060 | OD mm | Thread |
|-----------|-------|--------|
| 2019-7513 | 4 | 1/8" |
| 2019-7547 | 6 | 1/8" |
| 2019-7554 | 6 | 1/4" |
| 2019-7570 | 6 | 3/8" |
| 2019-7596 | 8 | 1/8" |
| 2019-7604 | 8 | 1/4" |
| 2019-7612 | 8 | 3/8" |
| 2019-7620 | 8 | 1/2" |
| 2019-7638 | 10 | 1/8" |
| 2019-7646 | 10 | 1/4" |
| 2019-7653 | 10 | 3/8" |
| 2019-7950 | 10 | 1/2" |
| 2019-7968 | 12 | 1/4" |
| 2019-7976 | 12 | 3/8" |
| 2019-7984 | 12 | 1/2" |

Tech Sheet 1964



For **Combination Nipples**
see page 1497

Working Temperature:
 Brass: 0°C to +60°C
 Acetal: 0°C to +60°C

Maximum Working Pressure:
 10 bar (150 psi)

Media:
 Air and vacuum only.

Negative Pressure:
 -750mm Hg (10 Torr)

Tube x Tube Connectors



Equal Straights

| 1060 | OD mm |
|-----------|-------|
| 2019-8297 | 4 |
| 2019-8305 | 6 |
| 2019-8313 | 8 |
| 2019-8321 | 10 |
| 2019-8339 | 12 |
| 2019-8340 | 16 |

Tech Sheet 1964



Equal Tees

| 1060 | OD mm |
|-----------|-------|
| 2019-8396 | 4 |
| 2019-8404 | 6 |
| 2019-8412 | 8 |
| 2019-8420 | 10 |
| 2019-8438 | 12 |
| 2019-8439 | 16 |

Tech Sheet 1964



Equal Crosses

| 1060 | OD mm |
|-----------|-------|
| 2019-8974 | 4 |
| 2019-8982 | 6 |
| 2019-8990 | 8 |
| 2019-9006 | 10 |
| 2019-9014 | 12 |

Tech Sheet 1964



Unequal Straights

| 1060 | OD mm | OD mm |
|-----------|-------|-------|
| 2019-8545 | 4 | 6 |
| 2019-8552 | 6 | 8 |
| 2019-8560 | 8 | 10 |
| 2019-8578 | 10 | 12 |
| 2019-8579 | 12 | 16 |

Tech Sheet 1964



Equal Ys

| 1060 | OD mm |
|-----------|-------|
| 2019-8446 | 4 |
| 2019-8453 | 6 |
| 2019-8461 | 8 |
| 2019-8479 | 10 |
| 2019-8487 | 12 |

Tech Sheet 1964



Equal Bulkheads

| 1060 | OD mm | Bulkhead |
|-----------|-------|----------|
| 2019-8495 | 4 | M12 x 1 |
| 2019-8503 | 6 | M14 x 1 |
| 2019-8511 | 8 | M16 x 1 |
| 2019-8529 | 10 | M20 x 1 |
| 2019-8537 | 12 | M22 x 1 |

Tech Sheet 1964



Equal Elbows

| 1060 | OD mm |
|-----------|-------|
| 2019-8347 | 4 |
| 2019-8354 | 6 |
| 2019-8362 | 8 |
| 2019-8370 | 10 |
| 2019-8388 | 12 |
| 2019-8392 | 16 |

Tech Sheet 1964



Unequal Ys

| 1060 | OD mm | OD mm |
|-----------|-------|-------|
| 2019-9139 | 6 | 4 |
| 2019-9162 | 8 | 6 |
| 2019-9170 | 10 | 8 |
| 2019-9188 | 12 | 10 |

Tech Sheet 1964



For Manual & Mechanical Valves
 see pages 545-549

ONE TOUCH PLASTIC PUSH-IN FITTINGS, METRIC



Tube x Stem Connectors



Straights, Tube x Stem

| 1060 | OD mm | Stem OD mm |
|-----------|-------|------------|
| 2028-8437 | 4 | 6 |
| 2028-8445 | 4 | 8 |
| 2028-8452 | 6 | 8 |
| 2028-8460 | 6 | 10 |
| 2028-8478 | 8 | 10 |
| 2028-8486 | 8 | 12 |
| 2028-8494 | 10 | 12 |

Tech Sheet 1964



BSPP & Metric

| 1060 | OD mm | Thread |
|-----------|-------|--------|
| 2019-0220 | 4 | M5 |
| 2019-0226 | 8 | 1/8" |



Elbows, Tube x Stem

| 1060 | OD mm | Stem OD mm |
|-----------|-------|------------|
| 2024-2566 | 4 | 4 |
| 2024-2574 | 6 | 6 |
| 2024-2582 | 8 | 8 |
| 2024-2590 | 10 | 10 |
| 2024-2608 | 12 | 12 |

Tech Sheet 1964

Ys, Tube x Stem



| 1060 | OD mm | Stem OD mm |
|-----------|-------|------------|
| 2024-2616 | 4 | 4 |
| 2024-2624 | 6 | 6 |
| 2024-2632 | 8 | 8 |
| 2024-2640 | 10 | 10 |
| 2024-2657 | 12 | 12 |

Tech Sheet 1964



Reducing Ys, Tube x Stem

| 1060 | OD mm | Stem OD mm |
|-----------|-------|------------|
| 2024-2673 | 4 | 6 |
| 2024-2699 | 6 | 8 |
| 2024-2731 | 8 | 10 |

Tech Sheet 1964

Plugs



Tube

| 1060 | OD mm |
|-----------|-------|
| 2028-8627 | 4 |
| 2028-8635 | 6 |
| 2028-8643 | 8 |
| 2028-8668 | 10 |
| 2028-8684 | 12 |

Tech Sheet 1964

Equal Double Joint Adaptors



Tube x Tube

| 1060 | OD mm |
|-----------|-------|
| 2028-8502 | 4 |
| 2028-8510 | 6 |
| 2028-8528 | 8 |
| 2028-8536 | 10 |
| 2028-8544 | 12 |

Tech Sheet 1964

Reducers



Tube x Tube

| 1060 | OD mm | Stem OD mm |
|-----------|-------|------------|
| 2028-8551 | 6 | 4 |
| 2028-8569 | 8 | 4 |
| 2028-8577 | 8 | 6 |
| 2028-8585 | 10 | 6 |
| 2028-8593 | 10 | 8 |
| 2028-8601 | 12 | 8 |
| 2028-8619 | 12 | 10 |

Tech Sheet 1964

Tube Plugs



Tube

| 1060 | OD mm |
|-----------|-------|
| 2033-8505 | 4 |
| 2033-8513 | 6 |
| 2033-8521 | 8 |
| 2033-8539 | 10 |
| 2033-8547 | 12 |

Tech Sheet 1964

Single Banjos



Male Thread, Metric & BSPT

| 1060 | OD mm | Thread |
|-----------|-------|--------|
| 2019-8172 | 4 | M5 |
| 2019-8180 | 4 | 1/8" |
| 2046-7183 | 4 | M6 |
| 2019-8198 | 6 | M5 |
| 2019-8206 | 6 | 1/8" |
| 2046-7185 | 6 | M6 |
| 2019-8214 | 6 | 1/4" |
| 2046-7186 | 6 | 3/8" |
| 2019-8222 | 8 | 1/8" |
| 2019-8230 | 8 | 1/4" |
| 2019-8248 | 8 | 3/8" |
| 2046-7188 | 10 | 1/4" |
| 2019-8255 | 10 | 3/8" |
| 2019-8263 | 10 | 1/2" |
| 2046-7189 | 12 | 1/4" |
| 2019-8271 | 12 | 3/8" |
| 2019-8289 | 12 | 1/2" |

Tech Sheet 1964

Working Temperature:
 Brass: 0°C to +60°C
 Acetal: 0°C to +60°C

Maximum Working Pressure:
 10 bar (150 psi)

Media:
 Air and vacuum only.

Negative Pressure:
 -750mm Hg (10 Torr)

Reducing Manifolds



Male Thread, BSPT

| 1060 | Inlet OD mm | Outlet OD mm | Thread |
|-----------|-------------|--------------|--------|
| 2019-9022 | 6 | 4 | 1/8" |
| 2019-9035 | 8 | 4 | 1/4" |
| 2019-9048 | 8 | 6 | 1/4" |
| 2019-9055 | 10 | 8 | 3/8" |

Tech Sheet 1964



Tube x Tube

| 1060 | Inlet OD mm | Outlet OD mm |
|-----------|-------------|--------------|
| 2019-9063 | 6 | 4 |
| 2019-9071 | 8 | 4 |
| 2019-9089 | 8 | 6 |
| 2019-9097 | 10 | 6 |
| 2023-0637 | 10 | 8 |

Tech Sheet 1964



For Metric Polyurethane Tubing
 see pages 897-900

Speed Control Valves



In-line, Tube x Tube

| 1060 | OD mm |
|-----------|-------|
| 2022-9720 | 4 |
| 2022-9746 | 6 |
| 2022-9753 | 8 |
| 2022-9761 | 10 |
| 2022-9779 | 12 |

Tech Sheet 1964



Elbow, Male Thread, Metric & BSPT

| 1060 | OD mm | Thread |
|-----------|-------|--------|
| 2022-9829 | 4 | M5 |
| 2022-9845 | 4 | 1/8" |
| 2022-9860 | 4 | 1/4" |
| 2022-9837 | 6 | M5 |
| 2022-9852 | 6 | 1/8" |
| 2046-7181 | 6 | M6 |
| 2022-9878 | 6 | 1/4" |
| 2022-9902 | 6 | 3/8" |
| 2022-9886 | 8 | 1/8" |
| 2022-9894 | 8 | 1/4" |
| 2022-9910 | 8 | 3/8" |
| 2046-7182 | 8 | 1/2" |
| 2022-9928 | 10 | 1/4" |
| 2022-9936 | 10 | 3/8" |
| 2022-9969 | 10 | 1/2" |
| 2022-9944 | 12 | 1/4" |
| 2022-9951 | 12 | 3/8" |
| 2022-9977 | 12 | 1/2" |

Tech Sheet 1964

Manual Shut Off Valves

Maximum Working Pressure:
 7 bar (100 psi)



BSPT x BSPT

| 1060 | Thread | Thread |
|------------|--------|--------|
| HVSS-01-01 | 1/8" | 1/8" |
| HVSS-02-01 | 1/4" | 1/8" |
| HVSS-02-02 | 1/4" | 1/4" |
| HVSS-02-03 | 1/4" | 3/8" |
| HVSS-03-03 | 3/8" | 3/8" |
| HVSS-04-03 | 1/2" | 3/8" |
| HVSS-04-04 | 1/2" | 1/2" |

Tech Sheet 1964



Tube x BSPT

| 1060 | OD mm | Thread |
|----------|-------|--------|
| HVFS6-01 | 6 | 1/8" |
| HVFS6-02 | 6 | 1/4" |
| HVFS6-03 | 6 | 3/8" |
| HVFS8-01 | 8 | 1/8" |
| HVFS8-02 | 8 | 1/4" |
| HVFS8-03 | 8 | 3/8" |

Tech Sheet 1964

Maximum Working Pressure:
 7 bar (100 psi)



Tube x Tube, Venting

| 1060 | OD mm | OD mm |
|-----------|-------|-------|
| HVFF06-06 | 6 | 6 |
| HVFF08-06 | 8 | 6 |
| HVFF08-08 | 8 | 8 |
| HVFF10-10 | 10 | 10 |
| HVFF12-10 | 12 | 10 |
| HVFF12-12 | 12 | 12 |

Tech Sheet 1964




PLASTIC PUSH-IN FITTINGS NPT & UNF Threads x Metric & Imperial Tube



Features:

- Convenient One Touch fittings provide instant connections
- Elliptical release ring facilitates pneumatic installation in confined spaces
- Light manual pressure on the elliptical release ring is all that is required to instantly disconnect each tube; no special tools required
- Nickel-plated brass threaded body ensures anti-corrosion and anti-contamination
- All taper threaded fittings are pre-coated with PTFE sealant and require no additional sealing

 **Working Temperature:**
-10°C to +60°C

 **Maximum Working Pressure**
10 bar (150 psi)

Construction:

| | |
|---------------|--------------------------------|
| Resin Body: | PBT |
| Metal Body: | Nickel-plated brass |
| Packing: | Nitrile |
| Back Ring: | POM |
| O-Ring: | Nitrile |
| Collar: | Nickel-plated zinc |
| Sleeve: | POM |
| Locking Claw: | Stainless steel |
| Media: | Air and vacuum |
| Threads: | NPT, UNF |
| OD: | Metric and imperial tube sizes |

ONE TOUCH NPT PLASTIC PUSH-IN FITTINGS, IMPERIAL



Working Temperature:
0°C to +60°C

Maximum Working Pressure:
10 bar (150 psi)

Media:
Air and vacuum only.

Negative Pressure:
-750mm Hg (10 Torr)

Male Studs



Male Thread (Hex Body), NPT

| 1101 | OD | Thread |
|-----------|-------|--------|
| 2110-7800 | 1/8" | 1/8" |
| 2110-7826 | 1/8" | 1/4" |
| 2110-7842 | 5/32" | 1/8" |
| 2110-7859 | 5/32" | 1/4" |
| 2110-7875 | 3/16" | 1/8" |
| 2110-7909 | 3/16" | 1/4" |
| 2110-7925 | 3/16" | 3/8" |
| 2110-7941 | 1/4" | 1/8" |
| 2110-7958 | 1/4" | 1/4" |
| 2110-7966 | 1/4" | 3/8" |
| 2110-7974 | 5/16" | 1/8" |
| 2110-7982 | 5/16" | 1/4" |
| 2110-7990 | 5/16" | 3/8" |
| 2110-8006 | 3/8" | 1/8" |
| 2110-8014 | 3/8" | 1/4" |
| 2110-8022 | 3/8" | 1/2" |
| 2110-8063 | 1/2" | 1/4" |
| 2110-8071 | 1/2" | 3/8" |
| 2110-8089 | 1/2" | 1/2" |

Tech Sheet 1964

Male Thread (Hex Body), UNF

| 1101 | OD | Thread |
|-----------|-------|--------|
| 2110-7776 | 1/8" | 10-32 |
| 2110-7834 | 5/32" | 10-32 |
| 2110-7933 | 1/4" | 10-32 |

Tech Sheet 1964



Male Thread (Round), NPT

| 1101 | OD | Thread |
|-----------|-------|--------|
| 2110-8105 | 1/8" | 1/8" |
| 2110-8113 | 1/8" | 1/4" |
| 2110-8139 | 5/32" | 1/8" |
| 2110-8147 | 5/32" | 1/4" |
| 2110-8188 | 3/16" | 1/8" |
| 2110-8204 | 3/16" | 1/4" |
| 2110-8220 | 3/16" | 3/8" |
| 2110-8246 | 1/4" | 1/8" |
| 2110-8253 | 1/4" | 1/4" |
| 2110-8279 | 1/4" | 3/8" |
| 2110-8287 | 1/4" | 1/8" |
| 2110-8295 | 1/4" | 1/4" |
| 2110-8303 | 1/4" | 3/8" |
| 2110-8311 | 3/8" | 1/8" |
| 2110-8329 | 3/8" | 1/4" |
| 2110-8337 | 3/8" | 3/8" |
| 2110-8345 | 3/8" | 1/2" |
| 2110-8352 | 1/2" | 1/4" |
| 2110-8360 | 1/2" | 3/8" |
| 2110-8378 | 1/2" | 1/2" |

Tech Sheet 1964

Male Thread (Round), UNF

| 1101 | OD | Thread |
|-----------|-------|--------|
| 2110-8097 | 1/8" | 10-32 |
| 2110-8121 | 5/32" | 10-32 |
| 2110-8154 | 3/16" | 10-32 |
| 2110-8238 | 1/4" | 10-32 |

Tech Sheet 1964

Female Studs



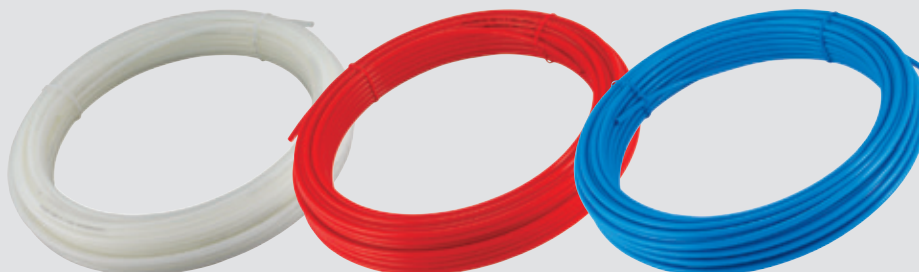
Female Thread, NPT

| 1101 | OD | Thread |
|-----------|-------|--------|
| 2110-8386 | 1/8" | 1/8" |
| 2110-8394 | 1/8" | 1/4" |
| 2110-8402 | 5/32" | 1/8" |
| 2110-8410 | 5/32" | 1/4" |
| 2110-8428 | 3/16" | 1/8" |
| 2110-8436 | 3/16" | 1/4" |
| 2110-8444 | 1/4" | 1/8" |
| 2110-8451 | 1/4" | 1/4" |
| 2110-8469 | 1/4" | 3/8" |
| 2110-8477 | 5/16" | 1/8" |
| 2110-8485 | 5/16" | 1/4" |
| 2110-8493 | 5/16" | 3/8" |
| 2110-8519 | 3/8" | 1/8" |
| 2110-8527 | 3/8" | 1/4" |
| 2110-8535 | 3/8" | 3/8" |
| 2110-8543 | 3/8" | 1/2" |
| 2110-8550 | 1/2" | 1/4" |
| 2110-8568 | 1/2" | 3/8" |
| 2110-8576 | 1/2" | 1/2" |

Tech Sheet 1964



You might also need
Nylon Tubing
see page 913



ONE TOUCH NPT PLASTIC PUSH-IN FITTINGS, IMPERIAL



Working Temperature:
Brass: 0°C to +60°C
Acetal: 0°C to +60°C



Maximum Working Pressure:
10 bar (150 psi)

Media:

Air and vacuum only.

Negative Pressure:

-750mm Hg (10 Torr)

Male Stud Swivel Elbows



Male Thread, NPT

| 1101 | OD | Thread |
|-----------|-------|--------|
| 2110-8592 | 1/8" | 1/8" |
| 2110-8600 | 1/8" | 1/4" |
| 2110-8626 | 5/32" | 1/8" |
| 2110-8634 | 5/32" | 1/4" |
| 2110-8659 | 3/16" | 1/8" |
| 2110-8667 | 3/16" | 1/4" |
| 2110-8691 | 3/16" | 3/8" |
| 2110-8717 | 1/4" | 1/8" |
| 2110-8725 | 1/4" | 1/4" |
| 2110-8733 | 1/4" | 3/8" |
| 2110-8741 | 5/16" | 1/8" |
| 2110-8758 | 5/16" | 1/4" |
| 2110-8766 | 5/16" | 3/8" |
| 2110-8774 | 3/8" | 1/8" |
| 2110-8782 | 3/8" | 1/4" |
| 2110-8790 | 3/8" | 3/8" |
| 2110-8808 | 3/8" | 1/2" |
| 2110-8816 | 1/2" | 1/4" |
| 2110-8824 | 1/2" | 3/8" |
| 2110-8832 | 1/2" | 1/2" |

Tech Sheet 1964

Male Thread, UNF

| 1101 | OD | Thread |
|-----------|-------|--------|
| 2110-8584 | 1/8" | 10-32 |
| 2110-8618 | 5/32" | 10-32 |
| 2110-8709 | 1/4" | 10-32 |

Tech Sheet 1964



Extended Male Thread, NPT

| 1101 | OD | Thread |
|-----------|-------|--------|
| 2110-8857 | 1/8" | 1/8" |
| 2110-8865 | 1/8" | 1/4" |
| 2110-8907 | 5/32" | 1/4" |
| 2110-8923 | 3/16" | 1/8" |
| 2110-8931 | 3/16" | 1/4" |
| 2110-8949 | 3/16" | 3/8" |
| 2110-8964 | 1/4" | 1/8" |
| 2110-8972 | 1/4" | 1/4" |
| 2110-8980 | 1/4" | 3/8" |
| 2110-8998 | 5/16" | 1/8" |
| 2110-9004 | 5/16" | 1/4" |
| 2110-9020 | 3/8" | 1/8" |
| 2110-9038 | 3/8" | 1/4" |
| 2110-9046 | 3/8" | 3/8" |
| 2110-9053 | 3/8" | 1/2" |
| 2110-9061 | 1/2" | 1/4" |
| 2110-9087 | 1/2" | 1/2" |

Tech Sheet 1964

Extended Male Thread, UNF

| 1101 | OD | Thread |
|-----------|-------|--------|
| 2110-8840 | 1/8" | 10-32 |
| 2110-8881 | 5/32" | 10-32 |
| 2110-8915 | 3/16" | 10-32 |
| 2110-8956 | 1/4" | 10-32 |

Tech Sheet 1964

Female Swivel Elbows



Female Thread, NPT

| 1101 | OD | Thread |
|-----------|-------|--------|
| 2110-9095 | 1/8" | 1/8" |
| 2110-9111 | 5/32" | 1/8" |
| 2110-9129 | 5/32" | 1/4" |
| 2110-9137 | 3/16" | 1/8" |
| 2110-9145 | 3/16" | 1/4" |
| 2110-9178 | 1/4" | 1/8" |
| 2110-9186 | 1/4" | 1/4" |
| 2110-9194 | 1/4" | 3/8" |
| 2110-9202 | 5/16" | 1/8" |
| 2110-9228 | 5/16" | 1/4" |
| 2110-9236 | 5/16" | 3/8" |
| 2110-9251 | 5/16" | 1/2" |
| 2110-9277 | 3/8" | 1/8" |
| 2110-9269 | 3/8" | 1/4" |
| 2110-9285 | 3/8" | 3/8" |
| 2110-9293 | 3/8" | 1/2" |
| 2111-0093 | 1/2" | 1/4" |
| 2111-0101 | 1/2" | 3/8" |
| 2111-0119 | 1/2" | 1/2" |

Tech Sheet 1964



You might also need **Solenoid Valves**
see pages **1031-1034**

ONE TOUCH NPT PLASTIC PUSH-IN FITTINGS, IMPERIAL



Male Stud Elbow



Male Thread, BSPT

| 1060 | OD | Thread |
|----------|------|--------|
| PL1/4-01 | 1/4" | 1/8" |
| PL1/4-02 | 1/4" | 1/4" |
| PL3/8-01 | 3/8" | 1/8" |
| PL3/8-02 | 3/8" | 1/4" |
| PL1/2-03 | 1/2" | 3/8" |
| PL1/2-04 | 1/2" | 1/2" |

Male Stud Tees



Male Thread, BSPT

| 1060 | OD | Thread |
|----------|------|--------|
| PB1/4-01 | 1/4" | 1/8" |
| PB1/4-02 | 1/4" | 1/4" |
| PB3/8-02 | 3/8" | 1/4" |
| PB1/2-02 | 1/2" | 1/4" |



Male Thread, NPT

| 1060 | OD | Thread |
|-----------|------|--------|
| PB1/8-N01 | 1/8" | 1/8" |
| PB1/4-N02 | 1/4" | 1/4" |

Male Studs



Male Thread, BSPT

| 1060 | OD | Thread |
|----------|------|--------|
| PC1/4-01 | 1/4" | 1/8" |
| PC1/4-02 | 1/4" | 1/4" |
| PC3/8-01 | 3/8" | 1/8" |
| PC3/8-02 | 3/8" | 1/4" |
| PC3/8-04 | 3/8" | 1/2" |
| PC1/2-03 | 1/2" | 3/8" |
| PC1/2-04 | 1/2" | 1/2" |

Plugs



Tube

| 1060 | OD |
|-------|------|
| PP1/8 | 1/8" |
| PP1/4 | 1/4" |
| PP3/8 | 3/8" |
| PP1/2 | 1/2" |

Female Studs



Female Thread, BSPP

| 1060 | OD | Thread |
|-----------|------|--------|
| PCF1/4-01 | 1/4" | 1/8" |
| PCF1/4-02 | 1/4" | 1/4" |
| PCF3/8-02 | 3/8" | 1/4" |
| PCF3/8-04 | 3/8" | 1/2" |
| PCF1/2-03 | 1/2" | 3/8" |
| PCF1/2-04 | 1/2" | 1/2" |

Tube Cap



Tube

| 1060 | OD |
|--------|------|
| PPF1/2 | 1/2" |

Tube x Tube Connectors



Equal Straights

| 1060 | OD |
|-------|------|
| PU1/8 | 1/8" |
| PU1/4 | 1/4" |
| PU3/8 | 3/8" |
| PU1/2 | 1/2" |



Unequal Straights

| 1060 | OD | OD |
|-----------|------|------|
| PG1/2-3/8 | 1/2" | 3/8" |



Equal Elbows

| 1060 | OD |
|-------|------|
| PV1/8 | 1/8" |
| PV1/4 | 1/4" |
| PV3/8 | 3/8" |
| PV1/2 | 1/2" |



Equal Tees

| 1060 | OD |
|-------|------|
| PE1/8 | 1/8" |
| PE1/4 | 1/4" |
| PE3/8 | 3/8" |
| PE1/2 | 1/2" |



Equal Bulkheads

| 1060 | OD |
|-------|------|
| PM3/8 | 3/8" |

ONE TOUCH NPT PLASTIC PUSH-IN FITTINGS, IMPERIAL



Working Temperature:
Brass: 0°C to +60°C
Acetal: 0°C to +60°C



Maximum Working Pressure:
10 bar (150 psi)

Media:
Air and vacuum only.

Negative Pressure:
-750mm Hg (10 Torr)

Male Studs



Male Thread, NPT

| 1101 | OD mm | Thread |
|-----------|-------|--------|
| 2111-2420 | 4 | 1/8" |
| 2111-2446 | 4 | 1/4" |
| 2111-2453 | 4 | 3/8" |
| 2111-2461 | 6 | 1/8" |
| 2111-2479 | 6 | 1/4" |
| 2111-2487 | 6 | 3/8" |
| 2111-2495 | 8 | 1/8" |
| 2111-2503 | 8 | 1/4" |
| 2111-2511 | 8 | 3/8" |
| 2111-2529 | 8 | 1/2" |
| 2111-2537 | 10 | 1/8" |
| 2111-2545 | 10 | 1/4" |
| 2111-2552 | 10 | 3/8" |
| 2111-2560 | 10 | 1/2" |
| 2111-2578 | 12 | 1/4" |
| 2111-2586 | 12 | 3/8" |
| 2111-2594 | 12 | 1/2" |

Tech Sheet 1964

Male Stud Swivel Elbows



Male Thread, NPT

| 1101 | OD mm | Thread |
|-----------|-------|--------|
| 2111-2768 | 4 | 1/8" |
| 2111-2776 | 4 | 1/4" |
| 2111-2784 | 6 | 1/8" |
| 2111-2792 | 6 | 1/4" |
| 2111-2800 | 6 | 3/8" |
| 2111-2818 | 6 | 1/2" |
| 2111-2826 | 8 | 1/8" |
| 2111-2834 | 8 | 1/4" |
| 2111-2842 | 8 | 3/8" |
| 2111-2859 | 8 | 1/2" |
| 2111-2867 | 10 | 1/8" |
| 2111-2875 | 10 | 1/4" |
| 2111-2883 | 10 | 3/8" |
| 2111-2891 | 10 | 1/2" |
| 2111-2909 | 12 | 1/4" |
| 2111-2917 | 12 | 3/8" |
| 2111-2925 | 12 | 1/2" |

Tech Sheet 1964

Female Swivel Elbows



Female Thread, NPT

| 1101 | OD mm | Thread |
|-----------|-------|--------|
| 2111-3113 | 4 | 1/8" |
| 2111-3121 | 4 | 1/4" |
| 2111-3139 | 6 | 1/8" |
| 2111-3147 | 6 | 1/4" |
| 2111-3154 | 6 | 3/8" |
| 2111-3162 | 8 | 1/8" |
| 2111-3170 | 8 | 1/4" |
| 2111-3196 | 8 | 3/8" |
| 2111-3204 | 8 | 1/2" |
| 2111-3212 | 10 | 1/8" |
| 2111-3220 | 10 | 1/4" |
| 2111-3238 | 10 | 3/8" |
| 2111-3246 | 10 | 1/2" |
| 2111-3253 | 12 | 1/4" |
| 2111-3261 | 12 | 3/8" |
| 2111-3279 | 12 | 1/2" |

Tech Sheet 1964

Female Studs



Female Thread, NPT

| 1101 | OD mm | Thread |
|-----------|-------|--------|
| 2111-2602 | 4 | 1/8" |
| 2111-2610 | 4 | 1/4" |
| 2111-2628 | 6 | 1/8" |
| 2111-2636 | 6 | 1/4" |
| 2111-2644 | 6 | 3/8" |
| 2111-2651 | 8 | 1/8" |
| 2111-2669 | 8 | 1/4" |
| 2111-2677 | 8 | 3/8" |
| 2111-2685 | 8 | 1/2" |
| 2111-2693 | 10 | 1/8" |
| 2111-2701 | 10 | 1/4" |
| 2111-2719 | 10 | 3/8" |
| 2111-2727 | 10 | 1/2" |
| 2111-2735 | 12 | 1/4" |
| 2111-2743 | 12 | 3/8" |
| 2111-2750 | 12 | 1/2" |

Tech Sheet 1964



Extended Male Thread, NPT

| 1101 | OD mm | Thread |
|-----------|-------|--------|
| 2111-2933 | 4 | 1/8" |
| 2111-2941 | 4 | 1/4" |
| 2111-2958 | 6 | 1/8" |
| 2111-2966 | 6 | 1/4" |
| 2111-2974 | 6 | 3/8" |
| 2111-2982 | 8 | 1/8" |
| 2111-3006 | 8 | 1/4" |
| 2111-3014 | 8 | 3/8" |
| 2111-3030 | 8 | 1/2" |
| 2111-3048 | 10 | 1/8" |
| 2111-3055 | 10 | 1/4" |
| 2111-3063 | 10 | 3/8" |
| 2111-3071 | 10 | 1/2" |
| 2111-3089 | 12 | 1/4" |
| 2111-3097 | 12 | 3/8" |
| 2111-3105 | 12 | 1/2" |

Tech Sheet 1964

Male Stud Swivel Tees



Branch Male Thread, NPT

| 1101 | OD mm | Thread |
|-----------|-------|--------|
| 2111-3287 | 4 | 1/8" |
| 2111-3295 | 4 | 1/4" |
| 2111-3303 | 6 | 1/8" |
| 2111-3311 | 6 | 1/4" |
| 2111-3329 | 6 | 3/8" |
| 2111-3337 | 8 | 1/8" |
| 2111-3345 | 8 | 1/4" |
| 2111-3352 | 8 | 3/8" |
| 2111-3360 | 8 | 1/2" |
| 2111-3378 | 10 | 1/8" |
| 2111-3386 | 10 | 1/4" |
| 2111-3394 | 10 | 3/8" |
| 2111-3402 | 10 | 1/2" |
| 2111-3410 | 12 | 1/4" |
| 2111-3428 | 12 | 3/8" |
| 2111-3436 | 12 | 1/2" |

Tech Sheet 1964

ONE TOUCH NPT PLASTIC PUSH-IN FITTINGS, IMPERIAL



Working Temperature:
Brass: 0°C to +60°C
Acetal: 0°C to +60°C

Maximum Working Pressure:
10 bar (150 psi)

Media:
Air and vacuum only.

Negative Pressure:
-750mm Hg (10 Torr)

Male Stud Swivel Tees



Run Male Thread, NPT

| 1101 | OD mm | Thread |
|-----------|-------|--------|
| 2111-3485 | 4 | 1/8" |
| 2111-3519 | 4 | 1/4" |
| 2111-3527 | 6 | 1/8" |
| 2111-3535 | 6 | 1/4" |
| 2111-3568 | 8 | 1/8" |
| 2111-3576 | 8 | 1/4" |
| 2111-3584 | 8 | 3/8" |
| 2111-3592 | 8 | 1/2" |
| 2111-3600 | 10 | 1/4" |
| 2111-3618 | 10 | 3/8" |
| 2111-3626 | 10 | 1/2" |
| 2111-3634 | 12 | 1/4" |
| 2111-3642 | 12 | 3/8" |
| 2111-3659 | 12 | 1/2" |

Tech Sheet 1964

Male Stud Swivel Ys



Male Thread, NPT

| 1101 | OD mm | Thread |
|-----------|-------|--------|
| 2111-3667 | 4 | 1/8" |
| 2111-3675 | 6 | 1/8" |
| 2111-3683 | 6 | 1/4" |
| 2111-3691 | 6 | 3/8" |
| 2111-3709 | 8 | 1/8" |
| 2111-3717 | 8 | 1/4" |
| 2111-3725 | 8 | 3/8" |
| 2111-3733 | 8 | 1/2" |
| 2111-3758 | 10 | 1/4" |
| 2111-3766 | 10 | 3/8" |
| 2111-3774 | 10 | 1/2" |
| 2111-3782 | 12 | 1/4" |
| 2111-3790 | 12 | 3/8" |
| 2111-3808 | 12 | 1/2" |

Tech Sheet 1964

Female Bulkhead Connectors



Female Thread, NPT

| 1101 | OD mm | Thread |
|-----------|-------|--------|
| 2111-3816 | 4 | 1/8" |
| 2111-3832 | 4 | 1/4" |
| 2111-3840 | 6 | 1/8" |
| 2111-3857 | 6 | 1/4" |
| 2111-3865 | 6 | 3/8" |
| 2111-3873 | 6 | 1/2" |
| 2111-3881 | 8 | 1/8" |
| 2111-3899 | 8 | 1/4" |
| 2111-3907 | 8 | 3/8" |
| 2111-3915 | 8 | 1/2" |
| 2111-3923 | 10 | 1/4" |
| 2111-3931 | 10 | 3/8" |
| 2111-3949 | 10 | 1/2" |
| 2111-3956 | 12 | 1/4" |
| 2111-3964 | 12 | 3/8" |
| 2111-3972 | 12 | 1/2" |

Tech Sheet 1964

Single Banjos



Male Thread, NPT

| 1101 | OD mm | Thread |
|-----------|-------|--------|
| 2111-4020 | 4 | 1/8" |
| 2111-4038 | 6 | 1/8" |
| 2111-4053 | 6 | 1/4" |
| 2111-4061 | 8 | 1/8" |
| 2111-4079 | 8 | 1/4" |
| 2111-4087 | 8 | 3/8" |
| 2111-4095 | 10 | 3/8" |
| 2111-4111 | 12 | 1/4" |
| 2111-4137 | 12 | 1/2" |

Tech Sheet 1964

Male x Female Thread (Stacking), NPT



| 1101 | OD mm | Thread |
|-----------|-------|--------|
| 2111-4145 | 4 | 1/8" |
| 2111-4152 | 4 | 1/4" |
| 2111-4160 | 6 | 1/8" |
| 2111-4178 | 6 | 1/4" |
| 2111-4186 | 6 | 3/8" |
| 2111-4202 | 8 | 1/4" |
| 2111-4210 | 8 | 3/8" |
| 2111-4228 | 8 | 1/2" |
| 2111-4236 | 10 | 1/4" |
| 2111-4244 | 10 | 3/8" |
| 2111-4251 | 10 | 1/2" |
| 2111-4277 | 12 | 3/8" |
| 2111-4285 | 12 | 1/2" |

Tech Sheet 1964

Reducing Manifolds



Male Thread, NPT

| 1101 | Inlet OD mm | Outlet OD mm | Thread |
|-----------|-------------|--------------|--------|
| 2111-3980 | 6 | 4 | 1/8" |
| 2111-3998 | 8 | 4 | 1/4" |
| 2111-4004 | 8 | 6 | 1/4" |
| 2111-4012 | 10 | 8 | 3/8" |

Tech Sheet 1964

Speed Control Valves



Male Thread, NPT

| 1101 | OD mm | Thread |
|-----------|-------|--------|
| 2111-4293 | 4 | 1/8" |
| 2111-4301 | 4 | 1/4" |
| 2111-4319 | 6 | 1/8" |
| 2111-4327 | 6 | 1/4" |
| 2111-4335 | 6 | 3/8" |
| 2111-4343 | 8 | 1/8" |
| 2111-4350 | 8 | 1/4" |
| 2111-4368 | 8 | 3/8" |
| 2111-4376 | 8 | 1/2" |
| 2111-4384 | 10 | 1/4" |
| 2111-4392 | 10 | 3/8" |
| 2111-4400 | 10 | 1/2" |
| 2111-4418 | 12 | 1/4" |
| 2111-4426 | 12 | 3/8" |
| 2111-4434 | 12 | 1/2" |

Tech Sheet 1964

Male Thread, NPT x Tube



| 1101 | OD mm | Thread |
|-----------|-------|--------|
| 2111-4442 | 6 | 1/8" |
| 2111-4459 | 6 | 1/4" |
| 2111-4467 | 6 | 3/8" |
| 2111-4475 | 8 | 1/8" |
| 2111-4483 | 8 | 1/4" |
| 2111-4491 | 8 | 3/8" |

Tech Sheet 1964



PLASTIC PUSH-IN FITTINGS

One Touch+ 16 Bar Rated



Features:

- One of the highest pressure rated polymer push-in fittings available on the market
- Convenient One Touch+ fittings provide instant connections
- Elliptical release ring facilitates pneumatic installation in confined spaces
- Light manual pressure on the elliptical release ring is all that is required to instantly disconnect each tube; no special tools required
- Nickel-plated brass ensures anti-corrosion and anti-contamination
- All taper threaded fittings are pre-coated with PTFE sealant and require no additional sealing



Working Temperature:
-10°C to +60°C



Working Pressure
-0.8 bar 16 bar

*Dependent upon tubing specification.

Construction:

Resin Body: Technopolymer resin

Metal Body: Nickel-plated brass

Packing: Nitrile

Back O-Ring: POM

O-Ring: Nitrile

Collar: Nickel-plated zinc

Collet: Technopolymer resin

Collet Ring: Nickel-plated brass

Sleeve: POM

PLASTIC PUSH-IN FITTINGS


One Touch+ Emergency Fittings Kits, 16 Bar Rated



Convenient, compact boxes containing a selection of popular FT Pro One Touch+ plastic push-in fittings along with handy tube cutter.

Available in three sizes: 6mm, 8mm and 10mm. Can be used with nylon 6, 11, 12, and polyurethane (ester and ether).

 **Working Temperature:**
0°C to +60°C

 **Maximum Working Pressure:**
16 bar (220 psi)
Negative Pressure:
-750mm Hg (10 Torr)

Media:
Air and vacuum only.

Plastic, 16 bar Rated Push-in

| 1103 | OD mm |
|-----------------|-------|
| FTP-06MMBOX-OTP | 6 |
| FTP-08MMBOX-OTP | 8 |
| FTP-10MMBOX-OTP | 10 |

Tech Sheet 10019



Contents:

6mm

Plastic Push-in Fittings & Tube Cutter

| | | | |
|---|---|---|----------------------------------|
| 1 x Tube Cutter KTC-1 | 10 x Equal Tees 2175-1038 | 10 x Equal Connectors 2175-1024 | 2 x Equal Bulkheads 2175-1057 |
| 8 x Equal Elbows 2175-1033 | 8 x 1/8" BSPT Male Stud Elbows 2175-0909 | 5 x 1/4" BSPT Male Stud Elbows 2175-0910 | |
| 5 x 1/4" BSPP Female Bulkheads 2175-1009 | 4 x 6mm Equal Ys 2175-1043 | 2 x Shut Off Valves 2175-1127 | |
| 10 x 1/8" BSPP Male Studs 2175-0873 | 10 x 1/4" BSPP Male Studs 2175-0874 | 2 x 1/8" BSPT Single Banjos 2175-1085 | |
| 5 x M5 Male Studs 2175-0854 | 10 x 1/8" BSPT Male Studs 2175-0856 | 10 x 1/4" BSPT Male Studs 2175-0857 | |

8mm

Plastic Push-in Fittings & Tube Cutter

| | | | |
|---|---|---|----------------------------------|
| 1 x Tube Cutter KTC-1 | 8 x Equal Tees 2175-1039 | 10 x Equal Connectors 2175-1025 | 2 x Equal Bulkheads 2175-1058 |
| 5 x Equal Elbows 2175-1034 | 6 x 1/8" BSPT Male Stud Elbows 2175-0913 | 5 x 1/4" BSPT Male Stud Elbows 2175-0914 | |
| 2 x 1/4" BSPP Female Bulkheads 2175-1013 | 4 x Equal Ys 2175-1044 | 2 x Shut Off Valves 2175-1129 | |
| 10 x 1/8" BSPT Male Studs 2175-0860 | 10 x 1/4" BSPT Male Studs 2175-0861 | 4 x 1/8" BSPT Single Banjos 2175-1088 | |
| 10 x 1/8" BSPP Male Studs 2175-0876 | 10 x 1/4" BSPP Male Studs 2175-0877 | 6 x 3/8" BSPP Male Studs 2175-0878 | |

10mm

Plastic Push-in Fittings & Tube Cutter

| | | | |
|---|---|---|----------------------------------|
| 1 x Tube Cutter KTC-1 | 5 x Equal Tees 2175-1040 | 6 x Equal Connectors 2175-1026 | 2 x Equal Bulkheads 2175-1059 |
| 3 x Equal Elbows 2175-1035 | 2 x 1/8" BSPT Male Stud Elbows 2175-0917 | 2 x 1/4" BSPT Male Stud Elbows 2175-0918 | |
| 3 x 1/4" BSPP Female Bulkheads 2175-1017 | 2 x Equal Ys 2175-1045 | 1 x Speed Control Valve 2175-1154 | |
| 8 x 1/8" BSPP Male Studs 2175-0880 | 6 x 1/4" BSPP Male Studs 2175-0881 | 2 x 3/8" BSPT Single Banjos 2175-1092 | |
| 7 x 3/8" BSPT Male Studs 2175-0864 | 7 x 1/4" BSPT Male Studs 2175-0865 | 2 x 3/8" BSPT Male Studs 2175-0866 | |

*Dependent upon tubing specification.

ONE TOUCH+ PLASTIC PUSH-IN FITTINGS (16 BAR RATED)



Working Temperature:
0°C to +60°C



Maximum Working Pressure:
16 bar (220 psi)

Media:
Air and vacuum only.

Negative Pressure:
-750mm Hg (10 Torr)

Male Studs



Male Thread, Metric & BSPT

| 1103 | OD mm | Thread |
|-----------|-------|--------|
| 2175-0849 | 4 | M5 |
| 2175-0850 | 4 | M6 |
| 2175-0851 | 4 | 1/8" |
| 2175-0852 | 4 | 1/4" |
| 2175-0853 | 4 | 3/8" |
| 2175-0854 | 6 | M5 |
| 2175-0855 | 6 | M6 |
| 2175-0856 | 6 | 1/8" |
| 2175-0857 | 6 | 1/4" |
| 2175-0858 | 6 | 3/8" |
| 2175-0859 | 6 | 1/2" |
| 2175-0860 | 8 | 1/8" |
| 2175-0861 | 8 | 1/4" |
| 2175-0862 | 8 | 3/8" |
| 2175-0863 | 8 | 1/2" |
| 2175-0864 | 10 | 1/8" |
| 2175-0865 | 10 | 1/4" |
| 2175-0866 | 10 | 3/8" |
| 2175-0867 | 10 | 1/2" |
| 2175-0868 | 12 | 1/4" |
| 2175-0869 | 12 | 3/8" |
| 2175-0870 | 12 | 1/2" |
| 2207-0684 | 14 | 3/8" |
| 2207-0685 | 14 | 1/2" |
| 2207-0686 | 16 | 3/8" |
| 2207-0687 | 16 | 1/2" |

Tech Sheet 10019



Male Thread, BSPP

| 1103 | OD mm | Thread |
|-----------|-------|--------|
| 2175-0871 | 4 | 1/8" |
| 2175-0872 | 4 | 1/4" |
| 2175-0873 | 6 | 1/8" |
| 2175-0874 | 6 | 1/4" |
| 2175-0875 | 6 | 3/8" |
| 2175-0876 | 8 | 1/8" |
| 2175-0877 | 8 | 1/4" |
| 2175-0878 | 8 | 3/8" |
| 2175-0879 | 8 | 1/2" |
| 2175-0880 | 10 | 1/8" |
| 2175-0881 | 10 | 1/4" |
| 2175-0882 | 10 | 3/8" |
| 2175-0883 | 10 | 1/2" |
| 2175-0884 | 12 | 1/4" |
| 2175-0885 | 12 | 3/8" |
| 2175-0886 | 12 | 1/2" |
| 2207-0688 | 14 | 3/8" |
| 2207-0689 | 14 | 1/2" |
| 2207-0690 | 16 | 3/8" |
| 2207-0691 | 16 | 1/2" |

Tech Sheet 10019

Female Studs



Female Thread, BSPP

| 1103 | OD mm | Thread |
|-----------|-------|--------|
| 2175-0887 | 4 | 1/8" |
| 2175-0888 | 4 | 1/4" |
| 2175-0889 | 6 | 1/8" |
| 2175-0890 | 6 | 1/4" |
| 2175-0891 | 6 | 3/8" |
| 2175-0892 | 8 | 1/8" |
| 2175-0893 | 8 | 1/4" |
| 2175-0894 | 8 | 3/8" |
| 2175-0895 | 8 | 1/2" |
| 2175-0896 | 10 | 1/8" |
| 2175-0897 | 10 | 1/4" |
| 2175-0898 | 10 | 3/8" |
| 2175-0899 | 10 | 1/2" |
| 2175-0900 | 12 | 1/4" |
| 2175-0901 | 12 | 3/8" |
| 2175-0902 | 12 | 1/2" |
| 2207-0692 | 14 | 3/8" |
| 2207-0693 | 14 | 1/2" |
| 2207-0694 | 16 | 3/8" |
| 2207-0695 | 16 | 1/2" |

Tech Sheet 10019

Female Elbow



BSPP x Tube

| 1103 | OD mm | Thread |
|-----------|-------|--------|
| 2207-0800 | 4 | 1/8" |
| 2207-0801 | 4 | 1/4" |
| 2207-0802 | 6 | 1/8" |
| 2207-0803 | 6 | 1/4" |
| 2207-0804 | 6 | 3/8" |
| 2207-0806 | 8 | 1/8" |
| 2207-0807 | 8 | 1/4" |
| 2207-0808 | 8 | 3/8" |
| 2207-0809 | 8 | 1/2" |
| 2207-0810 | 10 | 1/8" |
| 2207-0811 | 10 | 1/4" |
| 2207-0812 | 10 | 3/8" |
| 2207-0813 | 10 | 1/2" |
| 2207-0814 | 12 | 1/4" |
| 2207-0815 | 12 | 3/8" |
| 2207-0816 | 12 | 1/2" |

Male Stud Swivel Elbows



Male Thread, Metric & BSPT

| 1103 | OD mm | Thread |
|-----------|-------|--------|
| 2175-0903 | 4 | M5 |
| 2175-0904 | 4 | M6 |
| 2175-0905 | 4 | 1/8" |
| 2175-0906 | 4 | 1/4" |
| 2175-0907 | 6 | M5 |
| 2175-0908 | 6 | M6 |
| 2175-0909 | 6 | 1/8" |
| 2175-0910 | 6 | 1/4" |
| 2175-0911 | 6 | 3/8" |
| 2175-0912 | 6 | 1/2" |
| 2175-0913 | 8 | 1/8" |
| 2175-0914 | 8 | 1/4" |
| 2175-0915 | 8 | 3/8" |
| 2175-0916 | 8 | 1/2" |
| 2175-0917 | 10 | 1/8" |
| 2175-0918 | 10 | 1/4" |
| 2175-0919 | 10 | 3/8" |
| 2175-0920 | 10 | 1/2" |
| 2175-0921 | 12 | 1/4" |
| 2175-0922 | 12 | 3/8" |
| 2175-0923 | 12 | 1/2" |
| 2207-0696 | 14 | 3/8" |
| 2207-0697 | 14 | 1/2" |
| 2207-0698 | 16 | 3/8" |
| 2207-0699 | 16 | 1/2" |

Tech Sheet 10019



Male Thread, BSPP

| 1103 | OD mm | Thread |
|-----------|-------|--------|
| 2175-0924 | 4 | 1/8" |
| 2175-0925 | 4 | 1/4" |
| 2175-0926 | 6 | 1/8" |
| 2175-0927 | 6 | 1/4" |
| 2175-0928 | 6 | 3/8" |
| 2207-0714 | 6 | 1/2" |
| 2175-0929 | 8 | 1/8" |
| 2175-0930 | 8 | 1/4" |
| 2175-0931 | 8 | 3/8" |
| 2175-0932 | 8 | 1/2" |
| 2175-0933 | 10 | 1/8" |
| 2175-0934 | 10 | 1/4" |
| 2175-0935 | 10 | 3/8" |
| 2175-0936 | 10 | 1/2" |
| 2175-0937 | 12 | 1/4" |
| 2175-0938 | 12 | 3/8" |
| 2175-0939 | 12 | 1/2" |
| 2207-0700 | 14 | 3/8" |
| 2207-0701 | 14 | 1/2" |
| 2207-0702 | 16 | 3/8" |
| 2207-0703 | 16 | 1/2" |

Tech Sheet 10019

ONE TOUCH+ PLASTIC PUSH-IN FITTINGS (16 BAR RATED)



Working Temperature:
0°C to +60°C

Maximum Working Pressure:
16 bar (220 psi)

Media:
Air and vacuum only.

Negative Pressure:
-750mm Hg (10 Torr)

Male Stud Swivel Elbows



Extended Male Thread, Metric & BSPT

| 1103 | OD mm | Thread |
|-----------|-------|--------|
| 2175-0940 | 4 | M5 |
| 2175-0941 | 4 | 1/8" |
| 2175-0942 | 4 | 1/4" |
| 2175-0943 | 6 | M5 |
| 2175-0944 | 6 | 1/8" |
| 2175-0945 | 6 | 1/4" |
| 2175-0946 | 6 | 3/8" |
| 2175-0947 | 8 | 1/8" |
| 2175-0948 | 8 | 1/4" |
| 2175-0949 | 8 | 3/8" |
| 2175-0950 | 10 | 1/8" |
| 2175-0951 | 10 | 1/4" |
| 2175-0952 | 10 | 3/8" |
| 2175-0953 | 10 | 1/2" |
| 2175-0954 | 12 | 1/4" |
| 2175-0956 | 12 | 1/2" |

Tech Sheet 10019

Extended Male Thread, BSPP

| 1103 | OD mm | Thread |
|-----------|-------|--------|
| 2175-0957 | 4 | 1/8" |
| 2175-0958 | 4 | 1/4" |
| 2175-0959 | 6 | 1/8" |
| 2175-0960 | 6 | 1/4" |
| 2175-0961 | 6 | 3/8" |
| 2175-0962 | 8 | 1/8" |
| 2175-0963 | 8 | 1/4" |
| 2175-0964 | 10 | 1/8" |
| 2175-0965 | 10 | 1/4" |
| 2175-0966 | 10 | 3/8" |
| 2175-0967 | 12 | 3/8" |

Tech Sheet 10019

Male Stud Swivel Tees



Run Male Thread, BSPP

| 1103 | OD mm | Thread |
|-----------|-------|--------|
| 2175-0968 | 4 | 1/8" |
| 2175-0969 | 4 | 1/4" |
| 2175-0970 | 6 | 1/8" |
| 2175-0971 | 6 | 1/4" |
| 2175-0972 | 8 | 1/4" |
| 2175-0973 | 10 | 1/4" |

Tech Sheet 10019



Branch Male Thread, BSPP

| 1103 | OD mm | Thread |
|-----------|-------|--------|
| 2175-0974 | 4 | 1/8" |
| 2175-0975 | 4 | 1/4" |
| 2175-0976 | 6 | 1/8" |
| 2175-0977 | 6 | 1/4" |
| 2175-0978 | 6 | 3/8" |
| 2175-0979 | 8 | 1/8" |
| 2175-0980 | 8 | 1/4" |
| 2175-0981 | 8 | 3/8" |
| 2175-0982 | 8 | 1/2" |
| 2175-0983 | 10 | 1/8" |
| 2175-0984 | 10 | 1/4" |
| 2175-0985 | 10 | 3/8" |
| 2175-1160 | 10 | 1/2" |
| 2175-0986 | 12 | 1/4" |
| 2175-0987 | 12 | 3/8" |
| 2175-0988 | 12 | 1/2" |

Tech Sheet 10019

BSPT x Tube

| 1103 | OD mm | Thread |
|-----------|-------|--------|
| 2175-1170 | 4 | M5 |
| 2175-1171 | 4 | 1/8" |
| 2175-1172 | 4 | 1/4" |
| 2175-1173 | 6 | M5 |
| 2175-1174 | 6 | 1/8" |
| 2175-1175 | 6 | 1/4" |
| 2175-1176 | 6 | 3/8" |
| 2175-1177 | 6 | 1/2" |
| 2175-1178 | 8 | 1/8" |
| 2175-1179 | 8 | 1/4" |
| 2175-1180 | 8 | 3/8" |
| 2175-1181 | 8 | 1/2" |
| 2175-1182 | 10 | 1/8" |
| 2175-1183 | 10 | 1/4" |
| 2175-1184 | 10 | 3/8" |
| 2175-1185 | 10 | 1/2" |
| 2175-1186 | 12 | 1/4" |

BSPT & Metric

| 1103 | OD mm | Thread |
|-----------|-------|--------|
| 2176-0001 | 4 | M5 |
| 2176-0002 | 4 | 1/8" |
| 2176-0003 | 4 | 1/4" |
| 2176-0004 | 4 | 3/8" |
| 2176-0005 | 6 | M5 |
| 2176-0006 | 6 | 1/8" |
| 2176-0007 | 6 | 1/4" |
| 2176-0009 | 8 | 1/8" |
| 2176-0011 | 8 | 3/8" |
| 2176-0012 | 8 | 1/2" |
| 2176-0015 | 10 | 3/8" |
| 2176-0016 | 10 | 1/2" |
| 2176-0018 | 12 | 3/8" |
| 2176-0019 | 12 | 1/2" |
| 2176-0020 | 16 | 3/8" |
| 2176-0021 | 16 | 1/2" |



ONE TOUCH+ PLASTIC PUSH-IN FITTINGS (16 BAR RATED)



Working Temperature:
0°C to +60°C



Maximum Working Pressure:
16 bar (220 psi)

Media:
Air and vacuum only.

Negative Pressure:
-750mm Hg (10Torr)

Female Bulkhead Connectors



Female Thread, BSPP

| 1103 | OD mm | Thread |
|-----------|-------|--------|
| 2175-1006 | 4 | 1/8" |
| 2175-1007 | 4 | 1/4" |
| 2175-1008 | 6 | 1/8" |
| 2175-1009 | 6 | 1/4" |
| 2175-1010 | 6 | 3/8" |
| 2175-1011 | 6 | 1/2" |
| 2175-1012 | 8 | 1/8" |
| 2175-1013 | 8 | 1/4" |
| 2175-1014 | 8 | 3/8" |
| 2175-1015 | 8 | 1/2" |
| 2175-1016 | 10 | 1/8" |
| 2175-1017 | 10 | 1/4" |
| 2175-1018 | 10 | 3/8" |
| 2175-1019 | 10 | 1/2" |
| 2175-1020 | 12 | 1/4" |
| 2175-1021 | 12 | 3/8" |
| 2175-1022 | 12 | 1/2" |

Tech Sheet 10019

Male Stud Swivel Ys



Male Thread, Metric & BSPP

| 1103 | OD mm | Thread |
|-----------|-------|--------|
| 2175-0989 | 4 | M5 |
| 2175-0990 | 4 | 1/8" |
| 2174-1001 | 4 | 1/4" |
| 2175-0991 | 6 | M5 |
| 2175-0992 | 6 | 1/8" |
| 2175-0993 | 6 | 1/4" |
| 2175-0994 | 6 | 3/8" |
| 2174-1002 | 6 | 1/2" |
| 2175-0995 | 8 | 1/8" |
| 2175-0996 | 8 | 1/4" |
| 2175-0997 | 8 | 3/8" |
| 2175-0998 | 8 | 1/2" |
| 2175-0999 | 10 | 1/8" |
| 2175-1000 | 10 | 1/4" |
| 2175-1001 | 10 | 3/8" |
| 2175-1002 | 10 | 1/2" |
| 2175-1003 | 12 | 1/4" |
| 2175-1004 | 12 | 3/8" |
| 2175-1005 | 12 | 1/2" |

Tech Sheet 10019

Tube x Tube Connectors



Equal Straights

| 1103 | OD mm |
|-----------|-------|
| 2175-1023 | 4 |
| 2175-1024 | 6 |
| 2175-1025 | 8 |
| 2175-1026 | 10 |
| 2175-1027 | 12 |
| 2207-0704 | 14 |
| 2207-0705 | 16 |

Tech Sheet 10019



Unequal Straights

| 1103 | OD mm | OD mm |
|-----------|-------|-------|
| 2175-1028 | 6 | 4 |
| 2174-1005 | 8 | 4 |
| 2175-1029 | 8 | 6 |
| 2175-1030 | 10 | 8 |
| 2174-1010 | 12 | 6 |
| 2174-1015 | 12 | 8 |
| 2175-1031 | 12 | 10 |
| 2174-1020 | 16 | 12 |

Tech Sheet 10019



Equal Elbows

| 1103 | OD mm |
|-----------|-------|
| 2175-1032 | 4 |
| 2175-1033 | 6 |
| 2175-1034 | 8 |
| 2175-1035 | 10 |
| 2175-1036 | 12 |
| 2207-0706 | 14 |
| 2207-0707 | 16 |

Tech Sheet 10019



Equal Tees

| 1103 | OD mm |
|-----------|-------|
| 2175-1037 | 4 |
| 2175-1038 | 6 |
| 2175-1039 | 8 |
| 2175-1040 | 10 |
| 2175-1041 | 12 |
| 2207-0708 | 14 |
| 2207-0709 | 16 |

Tech Sheet 10019

Reducing on Branch Tees



Tube x Tube

| 1103 | OD A mm | OD B mm | OD C mm |
|-----------|---------|---------|---------|
| 2174-1030 | 6 | 4 | 6 |
| 2174-1031 | 8 | 6 | 8 |
| 2174-1032 | 10 | 8 | 10 |
| 2174-1033 | 12 | 10 | 12 |

Tube x Tube Connectors



Equal Ys

| 1103 | OD mm |
|-----------|-------|
| 2175-1042 | 4 |
| 2175-1043 | 6 |
| 2175-1044 | 8 |
| 2175-1045 | 10 |
| 2175-1046 | 12 |
| 2207-0710 | 14 |
| 2207-0711 | 16 |

Tech Sheet 10019



Unequal Ys

| 1103 | OD mm | OD mm |
|-----------|-------|-------|
| 2175-1047 | 4 | 6 |
| 2175-1048 | 6 | 8 |
| 2175-1049 | 8 | 10 |
| 2175-1050 | 10 | 12 |

Tech Sheet 10019

ONE TOUCH+ PLASTIC PUSH-IN FITTINGS (16 BAR RATED)



° Working Temperature:
0°C to +60°C

Maximum Working Pressure:
16 bar (220 psi)

Media:
Air and vacuum only.

Negative Pressure:
-750mm Hg (10Torr)

Tube x Tube Connectors



Equal Crosses

| 1103 | OD mm |
|------------------|-------|
| 2175-1051 | 4 |
| 2175-1052 | 6 |
| 2175-1053 | 8 |
| 2175-1054 | 10 |
| 2175-1055 | 12 |
| Tech Sheet 10019 | |



Equal Bulkheads

| 1103 | OD mm |
|------------------|-------|
| 2175-1056 | 4 |
| 2175-1057 | 6 |
| 2175-1058 | 8 |
| 2175-1059 | 10 |
| 2175-1060 | 12 |
| 2174-1040 | 16 |
| Tech Sheet 10019 | |



For Control Valves
see page 1056

Tube x Stem Connectors



Straights, Tube x Stem

| 1103 | OD mm | Stem OD mm |
|------------------|-------|------------|
| 2175-1061 | 4 | 6 |
| 2175-1062 | 4 | 8 |
| 2175-1063 | 6 | 8 |
| 2175-1064 | 6 | 10 |
| 2175-1065 | 8 | 10 |
| 2174-1070 | 8 | 12 |
| 2175-1066 | 10 | 12 |
| Tech Sheet 10019 | | |



Elbows, Tube x Stem

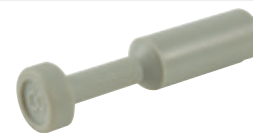
| 1103 | OD mm | Stem OD mm |
|------------------|-------|------------|
| 2175-1067 | 4 | 4 |
| 2175-1068 | 6 | 6 |
| 2175-1069 | 8 | 8 |
| 2175-1070 | 10 | 10 |
| 2175-1071 | 12 | 12 |
| Tech Sheet 10019 | | |



Ys, Tube x Stem

| 1103 | OD mm | Stem OD mm |
|------------------|-------|------------|
| 2175-1072 | 6 | 6 |
| 2175-1073 | 8 | 8 |
| 2175-1074 | 10 | 10 |
| 2174-1081 | 12 | 12 |
| Tech Sheet 10019 | | |

Plugs



Tube

| 1103 | OD mm |
|------------------|-------|
| 2175-1075 | 4 |
| 2175-1076 | 6 |
| 2175-1077 | 8 |
| 2175-1078 | 10 |
| 2175-1079 | 12 |
| Tech Sheet 10019 | |

Blanking Cap



| 1103 | OD mm |
|-----------|-------|
| 2174-2000 | 4 |
| 2174-2001 | 6 |
| 2174-2002 | 8 |
| 2174-2003 | 10 |
| 2174-2004 | 12 |

Single Banjos



Male Thread, Metric & BSPT

| 1103 | OD mm | Thread |
|------------------|-------|--------|
| 2175-1080 | 4 | M5 |
| 2175-1081 | 4 | M6 |
| 2175-1082 | 4 | 1/8" |
| 2174-2006 | 4 | 1/4" |
| 2175-1083 | 6 | M5 |
| 2175-1084 | 6 | M6 |
| 2175-1085 | 6 | 1/8" |
| 2175-1086 | 6 | 1/4" |
| 2175-1087 | 6 | 3/8" |
| 2175-1088 | 8 | 1/8" |
| 2175-1089 | 8 | 1/4" |
| 2175-1090 | 8 | 3/8" |
| 2174-2008 | 10 | 1/8" |
| 2175-1091 | 10 | 1/4" |
| 2175-1092 | 10 | 3/8" |
| 2175-1093 | 10 | 1/2" |
| 2175-1094 | 12 | 1/4" |
| 2175-1095 | 12 | 3/8" |
| 2175-1096 | 12 | 1/2" |
| Tech Sheet 10019 | | |

ONE TOUCH+ PLASTIC PUSH-IN FITTINGS (16 BAR RATED)



Working Temperature:
0°C to +60°C

Maximum Working Pressure:
16 bar (220 psi)

Media:
Air and vacuum only.

Negative Pressure:
-750mm Hg (10Torr)

Reducing Manifolds



Tube x Male Thread, BSPP

| 1103 | Inlet OD mm | Outlet OD mm | Thread |
|-----------|-------------|--------------|--------|
| 2174-3000 | 4 | 4 | 1/8" |
| 2174-3001 | 4 | 4 | 1/4" |
| 2174-3002 | 6 | 6 | 1/8" |
| 2174-3003 | 6 | 6 | 1/4" |
| 2174-3004 | 6 | 6 | 3/8" |
| 2175-1097 | 6 | 4 | 1/8" |
| 2174-3005 | 8 | 8 | 1/8" |
| 2175-1098 | 8 | 4 | 1/4" |
| 2175-1099 | 8 | 6 | 1/4" |
| 2174-3006 | 8 | 8 | 1/4" |
| 2174-3007 | 8 | 8 | 3/8" |
| 2175-1100 | 10 | 8 | 3/8" |

Tech Sheet 10019



Tube x Tube

| 1103 | Inlet OD mm | Outlet OD mm |
|-----------|-------------|--------------|
| 2175-1101 | 6 | 4 |
| 2175-1102 | 8 | 4 |
| 2175-1103 | 8 | 6 |
| 2175-1104 | 10 | 6 |
| 2175-1105 | 10 | 8 |

Tech Sheet 10019

Manual Shut Off Valves



BSPT x BSPT

| 1103 | Thread | Thread |
|-----------|--------|--------|
| 2175-1106 | 1/8" | 1/8" |
| 2175-1107 | 1/4" | 1/8" |
| 2175-1108 | 1/4" | 1/4" |
| 2175-1109 | 1/4" | 3/8" |
| 2175-1110 | 3/8" | 3/8" |
| 2175-1111 | 1/2" | 3/8" |
| 2175-1112 | 1/2" | 1/2" |

Tech Sheet 10019



Tube x BSPT

| 1103 | OD mm | Thread |
|-----------|-------|--------|
| 2175-1113 | 6 | 1/8" |
| 2175-1114 | 6 | 1/4" |
| 2175-1115 | 6 | 3/8" |
| 2175-1116 | 8 | 1/8" |
| 2175-1117 | 8 | 1/4" |
| 2175-1118 | 8 | 3/8" |
| 2175-1119 | 10 | 1/4" |
| 2175-1120 | 10 | 3/8" |
| 2175-1121 | 10 | 1/2" |
| 2175-1122 | 12 | 1/4" |
| 2175-1123 | 12 | 3/8" |
| 2175-1124 | 12 | 1/2" |

Tech Sheet 10019



Tube x Tube

| 1103 | OD mm | OD mm |
|-----------|-------|-------|
| 2175-1125 | 4 | 4 |
| 2175-1126 | 6 | 4 |
| 2175-1127 | 6 | 6 |
| 2175-1128 | 8 | 6 |
| 2175-1129 | 8 | 8 |
| 2175-1130 | 10 | 10 |
| 2175-1131 | 12 | 10 |
| 2175-1132 | 12 | 12 |

Tech Sheet 10019

Speed Control Valves



Tube x Metric & BSPT

| 1103 | OD mm | Thread |
|-----------|-------|--------|
| 2175-1133 | 4 | M5 |
| 2175-1134 | 4 | 1/8" |
| 2175-1135 | 4 | 1/4" |
| 2175-1136 | 6 | M5 |
| 2175-1137 | 6 | M6 |
| 2175-1138 | 6 | 1/8" |
| 2175-1139 | 6 | 1/4" |
| 2175-1140 | 6 | 3/8" |
| 2175-1141 | 8 | 1/8" |
| 2175-1142 | 8 | 1/4" |
| 2175-1143 | 8 | 3/8" |
| 2175-1144 | 8 | 1/2" |
| 2175-1145 | 10 | 1/4" |
| 2175-1146 | 10 | 3/8" |
| 2175-1147 | 10 | 1/2" |
| 2175-1148 | 12 | 1/4" |
| 2175-1149 | 12 | 3/8" |
| 2175-1150 | 12 | 1/2" |

Tech Sheet 10019



Tube x Tube

| 1103 | OD mm |
|-----------|-------|
| 2175-1151 | 4 |
| 2175-1152 | 6 |
| 2175-1153 | 8 |
| 2175-1154 | 10 |
| 2175-1155 | 12 |

Tech Sheet 10019



MICRO PUSH-IN FITTINGS

One Touch



Features:

- Convenient One Touch micro fittings provide instant connections
- Elliptical release ring
- 40% less volume and 20% smaller OD compared with standard One Touch fittings, making them ideal for use in confined spaces
- Light manual pressure on the elliptical release ring is all that is required to instantly disconnect each tube; no special tools required
- Nickel plated brass ensures anti-corrosion and anti-contamination
- Available in metric, parallel and taper BSP threads, imperial NPT and UNF threads
- All taper threaded fittings are pre-coated with PTFE sealant and require no additional sealing

 **Working Temperature:**
-10°C to +60°C

 **Maximum Working Pressure**
-0.8 bar to 10 bar

*Dependent upon tubing specification.

Construction:

| | |
|--------------|---------------------|
| Resin Body: | PBT |
| Metal Body: | Nickel-plated brass |
| Packing: | Nitrile |
| Back Ring: | POM |
| O-Ring: | Nitrile |
| Collar: | Nickel-plated zinc |
| Collet: | PBT |
| Collet Ring: | Nickel plated brass |
| Sleeve: | POM |

MICRO ONE TOUCH METRIC PLASTIC PUSH-IN FITTINGS



Working Temperature:
0°C to +60°C



Maximum Working Pressure:
10 bar (150 psi)

40% less volume and a 20% smaller OD than the standard One Touch design..

Micro One Touch fittings are specially designed for pneumatic systems that are used in confined spaces, saving you time and money on installations.

Male Studs

Male Thread (Hex Body), Metric



| 0315 | OD mm | Thread |
|----------|-------|--------|
| PC03-M3C | 3 | M3 |
| PC04-M3C | 4 | M3 |
| PC03-M5C | 3 | M5 |
| PC04-M5C | 4 | M5 |
| PC06-M5C | 6 | M5 |
| PC03-M6C | 3 | M6 |
| PC04-M6C | 4 | M6 |
| PC06-M6C | 6 | M6 |

Tech Sheet 10000

Male Thread (Hex Body), BSPT

| 0315 | OD mm | Thread |
|----------|-------|--------|
| PC04-01C | 4 | 1/8" |
| PC06-01C | 6 | 1/8" |

Tech Sheet 10000

Male Thread (Hex Body), BSPP

| 0315 | OD mm | Thread |
|-----------|-------|--------|
| PC04-G01C | 4 | 1/8" |
| PC06-G01C | 6 | 1/8" |

Tech Sheet 10000

Male Stud Elbows

Male Thread, Metric



| 0315 | OD mm | Thread |
|----------|-------|--------|
| PL03-M3C | 3 | M3 |
| PL04-M3C | 4 | M3 |
| PL03-M5C | 3 | M5 |
| PL04-M5C | 4 | M5 |
| PL06-M5C | 6 | M5 |
| PL03-M6C | 3 | M6 |
| PL04-M6C | 4 | M6 |
| PL06-M6C | 6 | M6 |

Tech Sheet 10000

Male Thread, BSPT

| 0315 | OD mm | Thread |
|----------|-------|--------|
| PL04-01C | 4 | 1/8" |
| PL06-01C | 6 | 1/8" |

Tech Sheet 10000

Male Thread, BSPP

| 0315 | OD mm | Thread |
|-----------|-------|--------|
| PL04-G01C | 4 | 1/8" |
| PL06-G01C | 6 | 1/8" |

Tech Sheet 10000

Male Thread (Round Body), Metric



| 0315 | OD mm | Thread |
|-----------|-------|--------|
| POC03-M3C | 3 | M3 |
| POC04-M3C | 4 | M3 |
| POC03-M5C | 3 | M5 |
| POC04-M5C | 4 | M5 |
| POC06-M5C | 6 | M5 |
| POC03-M6C | 3 | M6 |
| POC04-M6C | 4 | M6 |
| POC06-M6C | 6 | M6 |

Tech Sheet 10000

Male Thread (Round Body), BSPT

| 0315 | OD mm | Thread |
|-----------|-------|--------|
| POC04-01C | 4 | 1/8" |
| POC06-01C | 6 | 1/8" |

Tech Sheet 10000

Male Thread (Round Body), BSPP

| 0315 | OD mm | Thread |
|------------|-------|--------|
| POC04-G01C | 4 | 1/8" |
| POC06-G01C | 6 | 1/8" |

Tech Sheet 10000

Female Studs

Female Thread (Hex Body), Metric



| 0315 | OD mm | Thread |
|-----------|-------|--------|
| PCF03-M3C | 3 | M3 |
| PCF04-M3C | 4 | M3 |
| PCF03-M5C | 3 | M5 |
| PCF04-M5C | 4 | M5 |
| PCF06-M5C | 6 | M5 |
| PCF03-M6C | 3 | M6 |
| PCF04-M6C | 4 | M6 |
| PCF06-M6C | 6 | M6 |

Tech Sheet 10000

Female Thread (Hex Body), BSPT

| 0315 | OD mm | Thread |
|-----------|-------|--------|
| PCF04-01C | 4 | 1/8" |
| PCF06-01C | 6 | 1/8" |

Tech Sheet 10000

Female Thread (Hex Body), BSPP

| 0315 | OD mm | Thread |
|------------|-------|--------|
| PCF04-G01C | 4 | 1/8" |
| PCF06-G01C | 6 | 1/8" |

Tech Sheet 10000

Male Stud Tees

Branch Male Thread, Metric



| 0315 | OD mm | Thread |
|----------|-------|--------|
| PT03-M3C | 3 | M3 |
| PT04-M3C | 4 | M3 |
| PT03-M5C | 3 | M5 |
| PT04-M5C | 4 | M5 |
| PT06-M5C | 6 | M5 |
| PT03-M6C | 3 | M6 |
| PT04-M6C | 4 | M6 |
| PT06-M6C | 6 | M6 |

Tech Sheet 10000

Branch Male Thread, BSPT

| 0315 | OD mm | Thread |
|----------|-------|--------|
| PT04-01C | 4 | 1/8" |
| PT06-01C | 6 | 1/8" |

Tech Sheet 10000

Branch Male Thread, BSPP

| 0315 | OD mm | Thread |
|-----------|-------|--------|
| PT04-G01C | 4 | 1/8" |
| PT06-G01C | 6 | 1/8" |

Tech Sheet 10000

MICRO ONE TOUCH METRIC PLASTIC PUSH-IN FITTINGS



Working Temperature:
0°C to +60°C

Maximum Working Pressure:
10 bar (150 psi)

40% less volume and a 20% smaller OD

than the standard One Touch design. Micro One Touch fittings are specially designed for pneumatic systems that are used in confined spaces, saving you time and money on installations.

Male Stud Tees



Run Male Thread, Metric

| 0315 | OD mm | Thread |
|-----------|-------|--------|
| PST03-M3C | 3 | M3 |
| PST04-M3C | 4 | M3 |
| PST03-M5C | 3 | M5 |
| PST04-M5C | 4 | M5 |
| PST06-M5C | 6 | M5 |
| PST03-M6C | 3 | M6 |
| PST04-M6C | 4 | M6 |
| PST06-M6C | 6 | M6 |

Tech Sheet 10000

Run Male Thread, BSPT

| 0315 | OD mm | Thread |
|-----------|-------|--------|
| PST04-01C | 4 | 1/8" |
| PST06-01C | 6 | 1/8" |

Tech Sheet 10000

Run Male Thread, BSPP

| 0315 | OD mm | Thread |
|------------|-------|--------|
| PST04-G01C | 4 | 1/8" |
| PST06-G01C | 6 | 1/8" |

Tech Sheet 10000



You might also need
**Polyurethane Coil
Assemblies**
see page 900

Equal Connectors



Straights

| 0315 | OD mm |
|--------|-------|
| PUC03C | 3 |
| PUC04C | 4 |
| PUC06C | 6 |

Tech Sheet 10000



Elbows

| 0315 | OD mm |
|--------|-------|
| PUL03C | 3 |
| PUL04C | 4 |
| PUL06C | 6 |

Tech Sheet 10000



Tees

| 0315 | OD mm |
|--------|-------|
| PUT03C | 3 |
| PUT04C | 4 |
| PUT06C | 6 |

Tech Sheet 10000



Ys

| 0315 | OD mm |
|-------|-------|
| PY04C | 4 |
| PY06C | 6 |

Tech Sheet 10000

Bulkheads



Equal Elbows

| 0315 | OD mm |
|--------|-------|
| PLM04C | 4 |
| PLM06C | 6 |

Tech Sheet 10000



Customers who bought
from this page also
purchased **Metric Nylon
Tubing** see page 913

MICRO ONE TOUCH IMPERIAL NPT & UNF PLASTIC PUSH-IN FITTINGS



Working Temperature:
0°C to +60°C



Maximum Working Pressure:
10 bar (150 psi)

40% less volume and a 20% smaller OD than the standard One Touch design.

Micro One Touch fittings are specially designed for pneumatic systems that are used in confined spaces, saving you time and money on installations.

Male Studs



Male Thread (Hex Body), NPT

| 0315 | OD | Thread |
|-------------|-------|--------|
| PC1/8-N00C | 1/8" | 1/16" |
| PC5/32-N00C | 5/32" | 1/16" |
| PC1/4-N00C | 1/4" | 1/16" |
| PC1/8-N01C | 1/8" | 1/8" |
| PC5/32-N01C | 5/32" | 1/8" |
| PC1/4-N01C | 1/4" | 1/8" |

Tech Sheet 10001

Male Thread (Hex Body), UNF

| 0315 | OD | Thread mm |
|-------------|-------|-----------|
| PC1/8-U10C | 1/8" | 10-32 |
| PC5/32-U10C | 5/32" | 10-32 |
| PC1/4-U10C | 1/4" | 10-32 |

Tech Sheet 10001



Male Thread (Round Body), NPT

| 0315 | OD | Thread |
|--------------|-------|--------|
| POC1/8-N00C | 1/8" | 1/16" |
| POC5/32-N00C | 5/32" | 1/16" |
| POC1/4-N00C | 1/4" | 1/16" |
| POC1/8-N01C | 1/8" | 1/8" |
| POC5/32-N01C | 5/32" | 1/8" |
| POC1/4-N01C | 1/4" | 1/8" |

Tech Sheet 10001

Male Thread (Round Body), UNF

| 0315 | OD | Thread mm |
|--------------|-------|-----------|
| POC1/8-U10C | 1/8" | 10-32 |
| POC5/32-U10C | 5/32" | 10-32 |
| POC1/4-U10C | 1/4" | 10-32 |

Tech Sheet 10001

Female Studs



Female Thread, NPT

| 0315 | OD | Thread |
|--------------|-------|--------|
| PCF5/32-N00C | 5/32" | 1/16" |
| PCF1/4-N00C | 1/4" | 1/16" |
| PCF1/8-N01C | 1/8" | 1/8" |
| PCF5/32-N01C | 5/32" | 1/8" |
| PCF1/4-N01C | 1/4" | 1/8" |

Tech Sheet 10001

Female Thread, UNF

| 0315 | OD | Thread mm |
|--------------|-------|-----------|
| PCF1/8-U10C | 1/8" | 10-32 |
| PCF5/32-U10C | 5/32" | 10-32 |
| PCF1/4-U10C | 1/4" | 10-32 |

Tech Sheet 10001



You might also need
Hose & Tube Cutters
see page 905

Male Stud Elbows



Male Thread, NPT

| 0315 | OD | Thread |
|-------------|-------|--------|
| PL1/8-N00C | 1/8" | 1/16" |
| PL5/32-N00C | 5/32" | 1/16" |
| PL1/4-N00C | 1/4" | 1/16" |
| PL1/8-N01C | 1/8" | 1/8" |
| PL5/32-N01C | 5/32" | 1/8" |
| PL1/4-N01C | 1/4" | 1/8" |

Tech Sheet 10001

Male Thread, UNF

| 0315 | OD | Thread mm |
|-------------|-------|-----------|
| PL1/8-U10C | 1/8" | 10-32 |
| PL5/32-U10C | 5/32" | 10-32 |
| PL1/4-U10C | 1/4" | 10-32 |

Tech Sheet 10001



Extended Male Thread, NPT

| 0315 | OD | Thread |
|--------------|-------|--------|
| PLL1/8-N00C | 1/8" | 1/16" |
| PLL5/32-N00C | 5/32" | 1/16" |
| PLL1/4-N00C | 1/4" | 1/16" |
| PLL1/8-N01C | 1/8" | 1/8" |
| PLL5/32-N01C | 5/32" | 1/8" |
| PLL1/4-N01C | 1/4" | 1/8" |

Tech Sheet 10001

Extended Male Thread, UNF

| 0315 | OD | Thread mm |
|--------------|-------|-----------|
| PLL1/8-U10C | 1/8" | 10-32 |
| PLL5/32-U10C | 5/32" | 10-32 |
| PLL1/4-U10C | 1/4" | 10-32 |

Tech Sheet 10001

MICRO ONE TOUCH IMPERIAL NPT & UNF PLASTIC PUSH-IN FITTINGS



Working Temperature:
0°C to +60°C

Maximum Working Pressure:
10 bar (150 psi)

40% less volume and a 20% smaller OD than the standard One Touch design.

Micro One Touch fittings are specially designed for pneumatic systems that are use in confined spaces, saving you time and money on installations.

Male Stud Tees



Branch Male Thread, NPT

| 0315 | OD | Thread |
|-------------|-------|--------|
| PT1/8-N00C | 1/8" | 1/16" |
| PT5/32-N00C | 5/32" | 1/16" |
| PT1/4-N00C | 1/4" | 1/16" |
| PT1/8-N01C | 1/8" | 1/8" |
| PT5/32-N01C | 5/32" | 1/8" |
| PT1/4-N01C | 1/4" | 1/8" |

Tech Sheet 10001

Branch Male Thread, UNF

| 0315 | OD | Thread mm |
|-------------|-------|-----------|
| PT1/8-U10C | 1/8" | 10-32 |
| PT5/32-U10C | 5/32" | 10-32 |
| PT1/4-U10C | 1/4" | 10-32 |

Tech Sheet 10001



Run Male Thread, NPT

| 0315 | OD | Thread |
|--------------|-------|--------|
| PST1/8-N00C | 1/8" | 1/16" |
| PST5/32-N00C | 5/32" | 1/16" |
| PST1/4-N00C | 1/4" | 1/16" |
| PST1/8-N01C | 1/8" | 1/8" |
| PST1/4-N01C | 1/4" | 1/8" |

Tech Sheet 10001

Run Male Thread, UNF

| 0315 | OD | Thread mm |
|--------------|-------|-----------|
| PST1/8-U10C | 1/8" | 10-32 |
| PST5/32-U10C | 5/32" | 10-32 |
| PST1/4-U10C | 1/4" | 10-32 |

Tech Sheet 10001

Equal Connectors



Straights

| 0315 | OD |
|----------|-------|
| PUC1/8C | 1/8" |
| PUC5/32C | 5/32" |
| PUC1/4C | 1/4" |

Tech Sheet 10001



Elbows

| 0315 | OD |
|----------|-------|
| PUL1/8C | 1/8" |
| PUL5/32C | 5/32" |
| PUL1/4C | 1/4" |

Tech Sheet 10001



Tees

| 0315 | OD |
|----------|-------|
| PUT1/8C | 1/8" |
| PUT5/32C | 5/32" |
| PUT1/4C | 1/4" |

Tech Sheet 10001



Ys

| 0315 | OD |
|---------|-------|
| PY5/32C | 5/32" |
| PY1/4C | 1/4" |

Tech Sheet 10001

Bulkheads



Equal Straights

| 0315 | OD |
|----------|-------|
| PMM1/8C | 1/8" |
| PMM5/32C | 5/32" |
| PMM1/4C | 1/4" |

Tech Sheet 10001



Equal Elbows

| 0315 | OD |
|----------|-------|
| PLM1/8C | 1/8" |
| PLM5/32C | 5/32" |
| PLM1/4C | 1/4" |

Tech Sheet 10001

Speed Control Valves



Male Thread, UNF

| 0315 | OD | Thread mm |
|--------------|-------|-----------|
| NSE1/8-U10C | 1/8" | 10-32 |
| NSE5/32-U10C | 5/32" | 10-32 |
| NSE1/4-U10C | 1/4" | 10-32 |

Tech Sheet 10001

CHECK & STOP VALVES



Working Temperature:
Brass: 0°C to +60°C
Acetal: 0°C to +60°C



Maximum Working Pressure:
10 bar (150 psi)

Media:
Air and vacuum only.

Negative Pressure:
-750mm Hg (10Torr)

Cracking Pressure:
0.3 bar to 0.5 bar (5 psi to 7.5 psi)

Check Valves

Free flow thread to tube



Tube x BSPT

| 1060 | OD mm | Thread |
|-----------|-------|--------|
| PCVC04-01 | 4 | 1/8" |
| PCVC04-02 | 4 | 1/4" |
| PCVC06-01 | 6 | 1/8" |
| PCVC06-02 | 6 | 1/4" |
| PCVC08-01 | 8 | 1/8" |
| PCVC08-02 | 8 | 1/4" |
| PCVC10-02 | 10 | 1/4" |
| PCVC10-03 | 10 | 3/8" |
| PCVC12-02 | 12 | 1/4" |
| PCVC12-03 | 12 | 3/8" |

Tech Sheet 10134



Tube x Tube

| 1060 | OD mm |
|--------|-------|
| PCVU04 | 4 |
| PCVU06 | 6 |
| PCVU08 | 8 |
| PCVU10 | 10 |

Tech Sheet 10134

Female x Female, BSPT

| 1060 | Thread |
|-----------|--------|
| PCFF01-01 | 1/8" |
| PCFF02-02 | 1/4" |
| PCFF03-03 | 3/8" |
| PCFF04-04 | 1/2" |

Tech Sheet 10134

Free flow female to male



Male x Female, BSPP

| 1060 | Thread |
|-----------|--------|
| PCVF01-01 | 1/8" |
| PCVF02-02 | 1/4" |
| PCVF03-03 | 3/8" |
| PCVF04-04 | 1/2" |

Tech Sheet 10134

Stop Valves, Self-sealing



Tube x BSPT

| 1060 | OD mm | Thread |
|----------|-------|--------|
| SPC06-02 | 6 | 1/4" |
| SPC08-02 | 8 | 1/4" |
| SPC08-03 | 8 | 3/8" |
| SPC10-02 | 10 | 1/4" |
| SPC10-03 | 10 | 3/8" |
| SPC10-04 | 10 | 1/2" |
| SPC12-03 | 12 | 3/8" |
| SPC12-04 | 12 | 1/2" |

Tech Sheet 10134



Tube x Tube

| 1060 | OD mm |
|-------|-------|
| SPU06 | 6 |
| SPU08 | 8 |
| SPU10 | 10 |
| SPU12 | 12 |

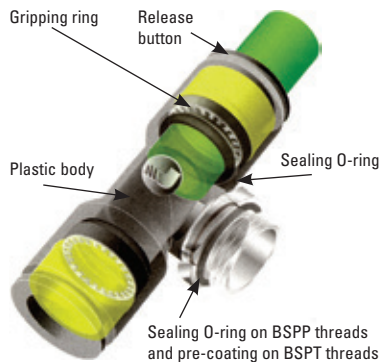
Tech Sheet 10134



For Air Receivers & Accessories
see pages 433-434



LF 3000® PUSH-IN FITTINGS



Pre-coated Threads:

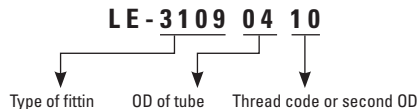
All taper threaded LF 3000 male fittings are supplied with a pre-coated thread for immediate installation.



Identification:

The part numbers have been chosen by a method of mnemonics. Each LF 3000 fitting is identified by

- Its series
- The diameter of passage through the fitting
- The thread code or second tube diameter



Seals:

All LF 3000 fittings with BSPP and M5 threads are supplied complete with an integral O-ring seal or a pre-assembled nylon sealing washer. This permits instant assembly of the fitting without preparation of the thread, and provides a fixed assembled height to the fitting



Working Temperature:
-20°C to +80°C

Maximum Working Pressure:
20 bar

Vacuum Capability:

Vacuum of 755mm Hg (99% vacuum).

Suitable Fluids:

Compressed air, LF 3000 can also be used for conveying various types of liquids (water, cutting oil, etc) for industrial applications. The working pressure, from 0.6-10 bar and temperatures from 0-60°C, are dependent upon the fluid conveyed and the type of O-ring used. Silicone free.

Male Stud Fittings, Hexagonal



BSPT

| 1014 | OD mm | Thread |
|---------------|-------|--------|
| LE-3175 04 10 | 4 | 1/8" |
| LE-3175 04 13 | 4 | 1/4" |
| LE-3175 06 10 | 6 | 1/8" |
| LE-3175 06 13 | 6 | 1/4" |
| LE-3175 06 17 | 6 | 3/8" |
| LE-3175 06 21 | 6 | 1/2" |
| LE-3175 08 10 | 8 | 1/8" |
| LE-3175 08 13 | 8 | 1/4" |
| LE-3175 08 17 | 8 | 3/8" |
| LE-3175 08 21 | 8 | 1/2" |
| LE-3175 10 13 | 10 | 1/4" |
| LE-3175 10 17 | 10 | 3/8" |
| LE-3175 10 21 | 10 | 1/2" |
| LE-3175 12 13 | 12 | 1/4" |
| LE-3175 12 17 | 12 | 3/8" |
| LE-3175 12 21 | 12 | 1/2" |
| LE-3175 14 17 | 14 | 3/8" |
| LE-3175 14 21 | 14 | 1/2" |
| LE-3175 16 17 | 16 | 3/8" |
| LE-3175 16 21 | 16 | 1/2" |

Tech Sheet 10626

Metric & BSPP

| 1014 | OD mm | Thread |
|---------------|-------|----------|
| LE-3101 03 09 | 3 | M3 x 0.5 |
| LE-3101 03 19 | 3 | M5 x 0.8 |
| LE-3101 04 09 | 4 | M3 x 0.5 |
| LE-3101 04 19 | 4 | M5 x 0.8 |
| LE-3101 04 55 | 4 | M7 x 1 |
| LE-3101 04 13 | 4 | 1/4" |
| LE-3101 06 19 | 6 | M5 x 0.8 |
| LE-3101 06 55 | 6 | M7 x 1 |
| LE-3101 06 10 | 6 | 1/8" |
| LE-3101 06 13 | 6 | 1/4" |
| LE-3101 06 17 | 6 | 3/8" |
| LE-3101 06 21 | 6 | 1/2" |
| LE-3101 08 10 | 8 | 1/8" |
| LE-3101 08 13 | 8 | 1/4" |
| LE-3101 08 17 | 8 | 3/8" |
| LE-3101 10 13 | 10 | 1/4" |
| LE-3101 10 17 | 10 | 3/8" |
| LE-3101 10 21 | 10 | 1/2" |
| LE-3101 12 13 | 12 | 1/4" |
| LE-3101 12 17 | 12 | 3/8" |
| LE-3101 12 21 | 12 | 1/2" |
| LE-3101 14 21 | 14 | 1/2" |
| LE-3101 16 17 | 16 | 3/8" |
| LE-3101 16 21 | 16 | 1/2" |

Tech Sheet 10626

Female Stud Fittings



Metric & BSPP

| 1014 | OD mm | Thread |
|---------------|-------|----------|
| LE-3114 04 19 | 4 | M5 x 0.8 |
| LE-3114 04 10 | 4 | 1/8" |
| LE-3114 04 13 | 4 | 1/4" |
| LE-3114 06 10 | 6 | 1/8" |
| LE-3114 06 13 | 6 | 1/4" |
| LE-3114 08 10 | 8 | 1/8" |
| LE-3114 08 13 | 8 | 1/4" |
| LE-3114 08 17 | 8 | 3/8" |
| LE-3114 10 13 | 10 | 1/4" |
| LE-3114 10 17 | 10 | 3/8" |
| LE-3114 10 21 | 10 | 1/2" |
| LE-3114 12 17 | 12 | 3/8" |
| LE-3114 12 21 | 12 | 1/2" |

Tech Sheet 10626



Partnership brands available



Hydraulic Accumulators & Accessories

See section 1 pages 227-228



Hydraulic Oil Coolers

See section 1 page 273



Pneumatic Quick Release Couplings

See section 3 pages 330-390



Filters & Drains Air, Water & Vacuum

See section 4 page 430



Plastic Push-in Fittings

See section 6 pages 800-803



Ball & Check Valves

See section 5 pages 628



Plastic Push-in Fittings

See section 6 pages 793-807



Metal Push-in Fittings

See section 6 pages 848-851



Ball Valves

See section 7 pages 933-935



Blow Guns

See section 15 page 1596



Aluminium Ring Main Systems

See section 8 pages 1063-1067



ENGINEERING YOUR SUCCESS.

LF 3000® PUSH-IN FITTINGS



Male Stud Elbows



BSPT

| 1014 | OD mm | Thread |
|---------------|-------|--------|
| LE-3109 04 10 | 4 | 1/8" |
| LE-3109 04 13 | 4 | 1/4" |
| LE-3109 06 10 | 6 | 1/8" |
| LE-3109 06 13 | 6 | 1/4" |
| LE-3109 06 17 | 6 | 3/8" |
| LE-3109 06 21 | 6 | 1/2" |
| LE-3109 08 10 | 8 | 1/8" |
| LE-3109 08 13 | 8 | 1/4" |
| LE-3109 08 17 | 8 | 3/8" |
| LE-3109 08 21 | 8 | 1/2" |
| LE-3109 10 13 | 10 | 1/4" |
| LE-3109 10 17 | 10 | 3/8" |
| LE-3109 10 21 | 10 | 1/2" |
| LE-3109 12 13 | 12 | 1/4" |
| LE-3109 12 17 | 12 | 3/8" |
| LE-3109 12 21 | 12 | 1/2" |
| LE-3109 14 17 | 14 | 3/8" |
| LE-3109 14 21 | 14 | 1/2" |
| LE-3109 16 17 | 16 | 3/8" |
| LE-3109 16 21 | 16 | 1/2" |

Tech Sheet 10626



Metric & BSPP

| 1014 | OD mm | Thread |
|---------------|-------|----------|
| LE-3199 03 19 | 3 | M5 x 0.8 |
| LE-3199 04 09 | 4 | M3 x 0.5 |
| LE-3199 04 19 | 4 | M5 x 0.8 |
| LE-3199 04 55 | 4 | M7 x 1 |
| LE-3199 04 10 | 4 | 1/8" |
| LE-3199 04 13 | 4 | 1/4" |
| LE-3199 06 19 | 6 | M5 x 0.8 |
| LE-3199 06 55 | 6 | M7 x 1 |
| LE-3199 06 10 | 6 | 1/8" |
| LE-3199 06 13 | 6 | 1/4" |
| LE-3199 06 17 | 6 | 3/8" |
| LE-3199 06 21 | 6 | 1/2" |
| LE-3199 08 10 | 8 | 1/8" |
| LE-3199 08 13 | 8 | 1/4" |
| LE-3199 08 17 | 8 | 3/8" |
| LE-3199 08 21 | 8 | 1/2" |
| LE-3199 10 13 | 10 | 1/4" |
| LE-3199 10 17 | 10 | 3/8" |
| LE-3199 10 21 | 10 | 1/2" |
| LE-3199 12 13 | 12 | 1/4" |
| LE-3199 12 21 | 12 | 1/2" |
| LE-3199 14 17 | 14 | 3/8" |
| LE-3199 14 21 | 14 | 1/2" |
| LE-3199 16 17 | 16 | 3/8" |
| LE-3199 16 21 | 16 | 1/2" |

Tech Sheet 10626

Extended Male Stud Elbows



BSPT

| 1014 | OD mm | Thread |
|---------------|-------|--------|
| LE-3129 04 13 | 4 | 1/4" |
| LE-3129 06 10 | 6 | 1/8" |
| LE-3129 06 13 | 6 | 1/4" |
| LE-3129 08 10 | 8 | 1/8" |
| LE-3129 08 13 | 8 | 1/4" |
| LE-3129 08 17 | 8 | 3/8" |
| LE-3129 10 17 | 10 | 3/8" |
| LE-3129 12 13 | 12 | 1/4" |
| LE-3129 12 17 | 12 | 3/8" |
| LE-3129 12 21 | 12 | 1/2" |
| LE-3129 14 21 | 14 | 1/2" |

Tech Sheet 10626



Metric & BSPP

| 1014 | OD mm | Thread |
|---------------|-------|----------|
| LE-3169 04 19 | 4 | M5 x 0.8 |
| LE-3169 04 13 | 4 | 1/4" |
| LE-3169 06 19 | 6 | M5 x 0.8 |
| LE-3169 06 10 | 6 | 1/8" |
| LE-3169 06 13 | 6 | 1/4" |

Tech Sheet 10626

45° Male Elbows



BSPT

| 1014 | OD mm | Thread |
|---------------|-------|--------|
| LE-3113 04 10 | 4 | 1/8" |
| LE-3113 06 10 | 6 | 1/8" |
| LE-3113 06 13 | 6 | 1/4" |
| LE-3113 08 13 | 8 | 1/4" |
| LE-3113 08 17 | 8 | 3/8" |
| LE-3113 10 13 | 10 | 1/4" |
| LE-3113 10 17 | 10 | 3/8" |
| LE-3113 12 17 | 12 | 3/8" |

Tech Sheet 10626



Metric & BSPP

| 1014 | OD mm | Thread |
|---------------|-------|----------|
| LE-3133 04 19 | 4 | M5 x 0.8 |
| LE-3133 06 19 | 6 | M5 x 0.8 |
| LE-3133 06 10 | 6 | 1/8" |

Tech Sheet 10626

Female Stud Elbows



BSPP

| 1014 | OD mm | Thread |
|---------------|-------|--------|
| LE-3192 04 10 | 4 | 1/8" |
| LE-3192 04 13 | 4 | 1/4" |
| LE-3192 06 10 | 6 | 1/8" |
| LE-3192 06 13 | 6 | 1/4" |
| LE-3192 08 10 | 8 | 1/8" |
| LE-3192 08 13 | 8 | 1/4" |
| LE-3192 08 17 | 8 | 3/8" |
| LE-3192 10 13 | 10 | 1/4" |
| LE-3192 10 17 | 10 | 3/8" |
| LE-3192 12 13 | 12 | 1/4" |
| LE-3192 12 17 | 12 | 3/8" |
| LE-3192 12 21 | 12 | 1/2" |

Tech Sheet 10626



You might also need
Leak-free LIQUIfit Fittings
see pages 800-803

LF 3000® PUSH-IN FITTINGS



Male Stud Branch Tees



BSPT

| 1014 | OD mm | Thread |
|---------------|-------|--------|
| LE-3108 04 10 | 4 | 1/8" |
| LE-3108 04 13 | 4 | 1/4" |
| LE-3108 06 10 | 6 | 1/8" |
| LE-3108 06 13 | 6 | 1/4" |
| LE-3108 08 10 | 8 | 1/8" |
| LE-3108 08 13 | 8 | 1/4" |
| LE-3108 10 13 | 10 | 1/4" |
| LE-3108 10 17 | 10 | 3/8" |
| LE-3108 10 21 | 10 | 1/2" |
| LE-3108 12 13 | 12 | 1/4" |
| LE-3108 12 17 | 12 | 3/8" |
| LE-3108 12 21 | 12 | 1/2" |
| LE-3108 14 21 | 14 | 1/2" |
| LE-3108 16 17 | 16 | 3/8" |
| LE-3108 16 21 | 16 | 1/2" |

Tech Sheet 10626

Male Stud Run Tees



BSPT

| 1014 | OD mm | Thread |
|---------------|-------|--------|
| LE-3103 04 13 | 4 | 1/4" |
| LE-3103 06 10 | 6 | 1/8" |
| LE-3103 08 10 | 8 | 1/8" |
| LE-3103 08 13 | 8 | 1/4" |
| LE-3103 10 13 | 10 | 1/4" |
| LE-3103 10 21 | 10 | 1/2" |
| LE-3103 12 13 | 12 | 1/4" |
| LE-3103 12 17 | 12 | 3/8" |

Tech Sheet 10626



Metric & BSPP

| 1014 | OD mm | Thread |
|---------------|-------|----------|
| LE-3193 04 19 | 4 | M5 x 0.8 |
| LE-3193 04 10 | 4 | 1/8" |
| LE-3193 06 19 | 6 | M5 x 0.8 |
| LE-3193 06 10 | 6 | 1/8" |
| LE-3193 08 10 | 8 | 1/8" |
| LE-3193 08 17 | 8 | 3/8" |
| LE-3193 10 13 | 10 | 1/4" |
| LE-3193 12 17 | 12 | 3/8" |
| LE-3193 14 21 | 14 | 1/2" |

Tech Sheet 10626

Threaded Standpipes



Stem x BSPT

| 1014 | Stem OD mm | Thread |
|---------------|------------|--------|
| LE-3121 04 13 | 4 | 1/4" |
| LE-3121 06 13 | 6 | 1/4" |
| LE-3121 10 17 | 10 | 3/8" |

Tech Sheet 10626



Stem x BSPP

| 1014 | Stem OD mm | Thread |
|---------------|------------|--------|
| LE-3131 08 13 | 8 | 1/4" |
| LE-3131 12 21 | 12 | 1/2" |
| LE-3131 14 17 | 14 | 3/8" |

Tech Sheet 10626

Double Y Pieces



BSPT

| 1014 | OD mm | Thread |
|---------------|-------|--------|
| LE-3112 06 13 | 6 | 1/4" |

Tech Sheet 10626



BSPP

| 1014 | OD mm | Thread |
|---------------|-------|--------|
| LE-3132 06 13 | 6 | 1/4" |

Tech Sheet 10626

Twin Banjos



BSPP

| 1014 | OD mm | Thread |
|---------------|-------|--------|
| LE-3149 04 10 | 4 | 1/8" |
| LE-3149 06 10 | 6 | 1/8" |
| LE-3149 06 13 | 6 | 1/4" |
| LE-3149 08 13 | 8 | 1/4" |
| LE-3149 08 17 | 8 | 3/8" |

Tech Sheet 10626

Stacking Banjo Bolts



2 Body High Modules BSPP

| 1014 | Thread |
|---------------|--------|
| LE-3528 00 13 | 1/4" |

Tech Sheet 10626



3 Body High Modules BSPP

| 1014 | Thread |
|---------------|--------|
| LE-3529 00 10 | 1/8" |
| LE-3529 00 13 | 1/4" |

Tech Sheet 10626

Double Banjos



Metric & BSPP

| 1014 | OD mm | Thread |
|---------------|-------|----------|
| LE-3119 04 19 | 4 | M5 x 0.8 |
| LE-3119 08 13 | 8 | 1/4" |

Tech Sheet 10626

Single Banjo Bolts



BSPP

| 1014 | Thread |
|---------------|--------|
| LE-3527 00 10 | 1/8" |
| LE-3527 00 13 | 1/4" |
| LE-3527 00 17 | 3/8" |

Tech Sheet 10626

Female Threaded Banjo Bolts



BSPP

| 1014 | Thread | Thread |
|---------------|--------|--------|
| LE-3524 00 10 | 1/8" | 1/8" |
| LE-3524 00 13 | 1/4" | 1/4" |

Tech Sheet 10626

Single Banjo Bodies



BSPP

| 1014 | OD mm | Thread |
|---------------|-------|--------|
| LE-3538 06 10 | 6 | 1/8" |
| LE-3538 06 13 | 6 | 1/4" |
| LE-3538 08 13 | 8 | 1/4" |

Tech Sheet 10626

LF 3000® PUSH-IN FITTINGS



Tube/Tube Connectors - Equal & Unequal



Equal

| 1014 | OD mm |
|---------------|-------|
| LE-3106 03 00 | 3 |
| LE-3106 04 00 | 4 |
| LE-3106 06 00 | 6 |
| LE-3106 08 00 | 8 |
| LE-3106 10 00 | 10 |
| LE-3106 12 00 | 12 |
| LE-3106 14 00 | 14 |
| LE-3106 16 00 | 16 |

Tech Sheet 10626

Unequal

| 1014 | OD mm | OD mm |
|---------------|-------|-------|
| LE-3106 03 04 | 3 | 4 |
| LE-3106 04 06 | 4 | 6 |
| LE-3106 04 08 | 4 | 8 |
| LE-3106 06 08 | 6 | 8 |
| LE-3106 06 10 | 6 | 10 |
| LE-3106 08 10 | 8 | 10 |
| LE-3106 10 12 | 10 | 12 |
| LE-3106 12 14 | 12 | 14 |
| LE-3106 12 16 | 16 | 12 |

Tech Sheet 10626

Bulkhead Connectors

All bulkhead fixing nuts are complete with an integral sealing ring for improved performance.



Equal

| 1014 | OD mm |
|---------------|-------|
| LE-3116 04 00 | 4 |
| LE-3116 06 00 | 6 |
| LE-3116 08 00 | 8 |
| LE-3116 10 00 | 10 |
| LE-3116 12 00 | 12 |
| LE-3116 14 00 | 14 |

Tech Sheet 10626

Bulkhead Elbows

All bulkhead fixing nuts are complete with an integral sealing ring for improved performance.



Equal

| 1014 | OD mm |
|---------------|-------|
| LE-3139 04 00 | 4 |
| LE-3139 06 00 | 6 |
| LE-3139 08 00 | 8 |
| LE-3139 10 00 | 10 |
| LE-3139 12 00 | 12 |

Tech Sheet 10626

Single Y Pieces



Equal

| 1014 | OD mm |
|---------------|-------|
| LE-3140 04 00 | 4 |
| LE-3140 06 00 | 6 |
| LE-3140 08 00 | 8 |
| LE-3140 10 00 | 10 |
| LE-3140 12 00 | 12 |

Tech Sheet 10626

Unequal

| 1014 | OD mm | OD mm |
|---------------|-------|-------|
| LE-3140 04 06 | 4 | 6 |
| LE-3140 06 08 | 6 | 8 |
| LE-3140 08 10 | 8 | 10 |
| LE-3140 10 12 | 10 | 12 |

Tech Sheet 10626

Elbows



Equal

| 1014 | OD mm |
|---------------|-------|
| LE-3102 04 00 | 4 |
| LE-3102 06 00 | 6 |
| LE-3102 08 00 | 8 |
| LE-3102 10 00 | 10 |
| LE-3102 12 00 | 12 |
| LE-3102 14 00 | 14 |
| LE-3102 16 00 | 16 |

Tech Sheet 10626

Unequal

| 1014 | OD mm | OD mm |
|---------------|-------|-------|
| LE-3102 04 06 | 4 | 6 |
| LE-3102 06 08 | 6 | 8 |
| LE-3102 08 10 | 8 | 10 |
| LE-3102 10 12 | 10 | 12 |

Tech Sheet 10626

Female Bulkhead Connectors

All bulkhead fixing nuts are complete with an integral sealing ring for improved performance.



BSPP

| 1014 | OD mm | Thread |
|---------------|-------|--------|
| LE-3136 04 10 | 4 | 1/8" |
| LE-3136 06 10 | 6 | 1/8" |
| LE-3136 06 13 | 6 | 1/4" |
| LE-3136 08 10 | 8 | 1/8" |
| LE-3136 08 13 | 8 | 1/4" |
| LE-3136 10 17 | 10 | 3/8" |
| LE-3136 12 17 | 12 | 3/8" |

Tech Sheet 10626

Multiple Y Pieces



Equal

| 1014 | OD mm |
|---------------|-------|
| LE-3144 04 04 | 4 |
| LE-3144 06 06 | 6 |

Tech Sheet 10626

Unequal

| 1014 | OD mm | OD mm |
|---------------|-------|-------|
| LE-3144 04 06 | 4 | 6 |
| LE-3144 06 08 | 6 | 8 |

Tech Sheet 10626

Tees



Equal

| 1014 | OD mm |
|---------------|-------|
| LE-3104 03 00 | 3 |
| LE-3104 04 00 | 4 |
| LE-3104 06 00 | 6 |
| LE-3104 08 00 | 8 |
| LE-3104 10 00 | 10 |
| LE-3104 12 00 | 12 |
| LE-3104 14 00 | 14 |
| LE-3104 16 00 | 16 |

Tech Sheet 10626

Unequal, Branch

| 1014 | OD mm | OD mm |
|---------------|-------|-------|
| LE-3104 04 06 | 4 | 6 |
| LE-3104 06 04 | 6 | 4 |
| LE-3104 06 08 | 6 | 8 |
| LE-3104 08 06 | 8 | 6 |
| LE-3104 08 10 | 8 | 10 |
| LE-3104 10 08 | 10 | 8 |
| LE-3104 10 12 | 10 | 12 |
| LE-3104 12 10 | 12 | 10 |
| LE-3104 16 12 | 16 | 12 |

Tech Sheet 10626

Mixed Bulkhead Connectors

All bulkhead fixing nuts are complete with an integral sealing ring for improved performance.



Push-in x Compression

| 1014 | OD mm |
|---------------|-------|
| LE-3146 04 00 | 4 |
| LE-3146 06 00 | 6 |

Tech Sheet 10626

LF 3000® PUSH-IN FITTINGS

Unequal Multiple Elbow with Fixing Holes



Reducing Tube x Tube

| 1014 | OD mm | OD mm |
|---------------|-------|-------|
| LE-3306 06 04 | 6 | 4 |
| LE-3306 08 04 | 8 | 4 |
| LE-3306 08 06 | 8 | 6 |
| LE-3306 10 06 | 10 | 6 |
| LE-3306 10 08 | 10 | 8 |

Tech Sheet 10626

Manifold with LF 3000 Push-in Connection



BSPP x Tube

| 1014 | OD mm | Thread |
|---------------|-------|--------|
| LE-3310 04 13 | 4 | 1/4" |
| LE-3310 06 13 | 6 | 1/4" |
| LE-3310 08 17 | 8 | 3/8" |

Tech Sheet 10626

Blanking Plugs



Tube

| 1014 | OD mm |
|---------------|-------|
| LE-3126 04 00 | 4 |
| LE-3126 06 00 | 6 |
| LE-3126 08 00 | 8 |
| LE-3126 10 00 | 10 |
| LE-3126 12 00 | 12 |
| LE-3126 14 00 | 14 |
| LE-3126 16 00 | 16 |

Tech Sheet 10626

Plug-in Equal & Unequal Compact Elbow with Plastic Tailpiece



Equal

| 1014 | OD mm |
|---------------|-------|
| LE-3182 04 00 | 4 |
| LE-3182 06 00 | 6 |
| LE-3182 08 00 | 8 |
| LE-3182 10 00 | 10 |
| LE-3182 12 00 | 12 |

Tech Sheet 10626

Unequal

| 1014 | OD mm | Stem OD mm |
|---------------|-------|------------|
| LE-3182 04 06 | 4 | 6 |
| LE-3182 06 04 | 6 | 4 |
| LE-3182 06 08 | 6 | 8 |
| LE-3182 08 10 | 8 | 10 |
| LE-3182 10 12 | 10 | 12 |

Tech Sheet 10626

Extended Equal & Unequal Elbow with Plastic Tailpiece



Equal

| 1014 | OD mm |
|---------------|-------|
| LE-3184 12 00 | 12 |

Tech Sheet 10626

Unequal

| 1014 | OD mm | Stem OD mm |
|---------------|-------|------------|
| LE-3184 08 10 | 8 | 10 |

Tech Sheet 10626

45° Equal Elbow with Plastic Tailpiece



Tube x Stem

| 1014 | OD mm |
|---------------|-------|
| LE-3180 04 00 | 4 |
| LE-3180 08 00 | 8 |

Tech Sheet 10626

Cross Equal



Tube x Tube

| 1014 | OD mm |
|---------------|-------|
| LE-3107 06 00 | 6 |

Tech Sheet 10626

Plug-in Equal Compact Tee with Plastic Tailpiece



Tube x Stem

| 1014 | OD mm |
|---------------|-------|
| LE-3188 06 00 | 6 |
| LE-3188 08 00 | 8 |

Tech Sheet 10626

Plug-in Equal & Unequal Single Y Piece



Reducing Tube x Stem

| 1014 | OD mm | Stem OD mm |
|---------------|-------|------------|
| LE-3142 04 06 | 4 | 6 |
| LE-3142 06 08 | 6 | 8 |
| LE-3142 08 10 | 8 | 10 |

Tech Sheet 10626

Plug-in Equal Tee with Plastic Tailpiece



Tube x Stem

| 1014 | OD mm | Stem OD mm |
|---------------|-------|------------|
| LE-3183 06 00 | 6 | 6 |
| LE-3183 08 00 | 8 | 8 |

Tech Sheet 10626

Plug-in Multiple Y Piece



Tube x Stem

| 1014 | OD mm | Stem OD mm |
|---------------|-------|------------|
| LE-3143 04 06 | 4 | 6 |

Tech Sheet 10626

Barbed Connector for Unequal Tube



Stem x Hose Tail

| 1014 | Stem OD mm | To Suit Hose OD mm |
|---------------|------------|--------------------|
| LE-3122 04 53 | 4 | 5 |
| LE-3122 06 05 | 6 | 7 |
| LE-3122 08 56 | 8 | 6.3 |
| LE-3122 10 08 | 10 | 10 |
| LE-3122 12 10 | 12 | 12 |
| LE-3122 12 62 | 12 | 14.5 |

Tech Sheet 10626

Double Male Stem Connector - Plastic



Tube x Tube

| 1014 | OD mm |
|---------------|-------|
| LE-3120 04 00 | 4 |
| LE-3120 06 00 | 6 |
| LE-3120 08 00 | 8 |
| LE-3120 10 00 | 10 |

Tech Sheet 10626

Increaser



Tube x Stem

| 1014 | OD mm | Stem OD mm |
|---------------|-------|------------|
| LE-3168 06 04 | 6 | 4 |
| LE-3168 08 06 | 8 | 6 |
| LE-3168 10 08 | 10 | 8 |
| LE-3168 12 10 | 12 | 10 |

Tech Sheet 10626

LF 3000® PUSH-IN FITTINGS



Reducer



Tube x Stem

| 1014 | OD mm | Stem OD mm |
|---------------|-------|------------|
| LE-3166 03 04 | 3 | 4 |
| LE-3166 04 06 | 4 | 6 |
| LE-3166 04 08 | 4 | 8 |
| LE-3166 04 10 | 4 | 10 |
| LE-3166 06 08 | 6 | 8 |
| LE-3166 06 10 | 6 | 10 |
| LE-3166 06 12 | 6 | 12 |
| LE-3166 06 14 | 6 | 14 |
| LE-3166 08 10 | 8 | 10 |
| LE-3166 08 12 | 8 | 12 |
| LE-3166 08 14 | 8 | 14 |
| LE-3166 10 12 | 10 | 12 |
| LE-3166 10 14 | 10 | 14 |
| LE-3166 12 14 | 12 | 14 |

Tech Sheet 10626

LF 3000 Multi Connectors

The Legris multi connector is designed for simultaneous connection and disconnection of 2, 4, 7 and 12 tubes. Its LF 3000 technology and performance makes it easy to use:- instant connection and disconnection, without tools, - full flow, without restriction. In order to facilitate the installation, each tube outlet is numbered. A location pin avoids assembly errors and a cap helps to guide the tubes and to protect connections. To cover all users needs, this range can also be used for bulkhead connections.



Male Screw Body

| 1014 | OD mm | No of Tubes |
|------------------|-------|-------------|
| LE-3320 04 00 04 | 4 | 4 |
| LE-3320 04 00 07 | 4 | 7 |
| LE-3320 04 00 12 | 4 | 12 |
| LE-3320 06 00 04 | 6 | 4 |
| LE-3320 06 00 07 | 6 | 7 |

Tech Sheet 10626



Female Screw Body

| 1014 | OD mm | No of Tubes |
|------------------|-------|-------------|
| LE-3321 04 00 04 | 4 | 4 |
| LE-3321 04 00 07 | 4 | 7 |
| LE-3321 04 00 12 | 4 | 12 |
| LE-3321 06 00 04 | 6 | 4 |
| LE-3321 06 00 07 | 6 | 7 |

Tech Sheet 10626



Screw Cap

| 1014 | No of Tubes |
|---------------|-------------|
| LE-3329 00 02 | 4 and 7 |

Tech Sheet 10626

DIN Rail Connections

These components are similar in principle to the electrical connectors found in control panels and are used to rationalise cabling and to assist trouble shooting. Used alongside electrical connectors, Legris DIN rail connectors provide similar facilities for pneumatics circuits, and are mounted on the same rail profile which allows electric and pneumatics to run side by side. All tube connections are Legris push-in fittings for plastic tubing

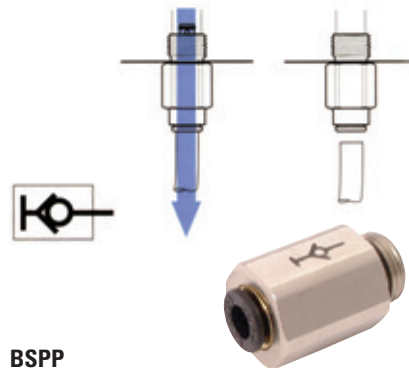


Connector for 2 Tubes In-line

| 1014 | To Suit Hose OD mm |
|---------------|--------------------|
| LE-3379 08 00 | 8 |

Tech Sheet 10626

Self-Sealing Male Stud Fittings



BSPP

| 1014 | OD mm | Thread |
|---------------|-------|--------|
| LE-3391 04 10 | 4 | 1/8" |
| LE-3391 06 10 | 6 | 1/8" |
| LE-3391 08 13 | 8 | 1/4" |
| LE-3391 10 17 | 10 | 3/8" |

Tech Sheet 10626

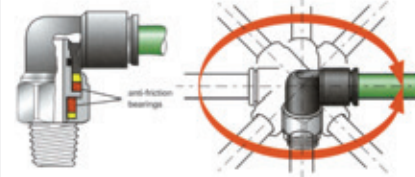
Clip Strips for Tubes



| 1014 | To Suit Hose OD mm |
|---------------|--------------------|
| LE-CLIP 04 00 | 4 |
| LE-CLIP 06 00 | 6 |
| LE-CLIP 08 00 | 8 |
| LE-CLIP 10 00 | 10 |
| LE-CLIP 12 00 | 12 |
| LE-CLIP 14 00 | 14 |

Tech Sheet 10626

Oscillating Compact Elbows



BSPT

| 1014 | OD mm | Thread |
|---------------|-------|--------|
| LE-3159 04 10 | 4 | 1/8" |
| LE-3159 06 10 | 6 | 1/8" |
| LE-3159 06 13 | 6 | 1/4" |
| LE-3159 08 10 | 8 | 1/8" |
| LE-3159 08 13 | 8 | 1/4" |

Tech Sheet 10626



Metric & BSPP

| 1014 | OD mm | Thread |
|---------------|-------|----------|
| LE-3189 04 19 | 4 | M5 x 0.8 |
| LE-3189 06 19 | 6 | M5 x 0.8 |
| LE-3189 06 10 | 6 | 1/8" |
| LE-3189 06 13 | 6 | 1/4" |
| LE-3189 08 10 | 8 | 1/8" |
| LE-3189 08 17 | 8 | 3/8" |
| LE-3189 10 13 | 10 | 1/4" |
| LE-3189 10 17 | 10 | 3/8" |

Tech Sheet 10626

Coloured Release Button Covers for LF 3000 3rd Generation



| 1014 | OD mm | Colour |
|---------------|-------|--------|
| LE-3110 14 00 | 14 | White |
| LE-3110 14 02 | 14 | Green |
| LE-3110 06 03 | 6 | Red |
| LE-3110 14 03 | 14 | Red |
| LE-3110 04 04 | 4 | Blue |
| LE-3110 06 04 | 6 | Blue |
| LE-3110 12 04 | 12 | Blue |
| LE-3110 14 04 | 14 | Blue |
| LE-3110 14 05 | 14 | Yellow |

Tech Sheet 10626

LEAK-FREE, PUSH-IN FITTINGS NPT THREADS X IMPERIAL TUBE

Introducing LIQUIfi™ a range of leak-free, push-in fittings in a bio-based compact body.

LIQUIfi™ offers:

- The most compact profile on the market
- EPDM patented sealing technology
- Full flo
- No pumping effect
- No need for locking clip or tube insert
- Optimum performance suitable for food and water contact
- 100% bio-based body and base

 **Working Temperature:**

| | |
|------|---------------|
| 1/4" | +2°C to +38°C |
| | +65°C |
| | +93°C |
| 3/8" | +2°C to +38°C |
| | +65°C |
| | +93°C |
| 1/2" | +2°C to +38°C |
| | +65°C |
| | +93°C |



Maximum Working Pressure:

| |
|--------|
| 16 bar |
| 10 bar |
| 6 bar |
| 13 bar |
| 7 bar |
| 4 bar |
| 11 bar |
| 7 bar |
| 4 bar |

Suitable for use with chemicals and other potentially aggressive liquids.
Please contact our technical department for full details.



Male Stud Fittings



Hexagonal, NPT

| 1014 | OD | Thread |
|----------------|------|--------|
| LE-6305 56 14W | 1/4" | 1/4" |

Tech Sheet 10625

Female Stud Fittings



NPT

| 1014 | OD | Thread |
|----------------|------|--------|
| LE-6315 56 14W | 1/4" | 1/4" |
| LE-6315 60 18W | 3/8" | 3/8" |

Tech Sheet 10625

Tees



Equal

| 1014 | OD |
|----------------|------|
| LE-6304 56 00W | 1/4" |
| LE-6304 60 00W | 3/8" |
| LE-6304 62 00W | 1/2" |

Tech Sheet 10625

Equal Elbows



Tube x Tube

| 1014 | OD |
|----------------|------|
| LE-6302 56 00W | 1/4" |
| LE-6302 60 00W | 3/8" |
| LE-6302 62 00W | 1/2" |

Tech Sheet 10625

Straight Connectors



Equal, Tube x Tube

| 1014 | OD |
|----------------|------|
| LE-6306 56 00W | 1/4" |
| LE-6306 60 00W | 3/8" |
| LE-6306 62 00W | 3/8" |

Tech Sheet 10625

Tube/Tube Connectors



Unequal, Tube x Tube

| 1014 | OD | OD |
|----------------|------|------|
| LE-6306 56 60W | 1/4" | 3/8" |
| LE-6306 60 62W | 3/8" | 1/2" |

Tech Sheet 10625

Bulkhead Connectors



Tube x Tube

| 1014 | OD |
|----------------|------|
| LE-6316 56 00W | 1/4" |
| LE-6316 60 00W | 3/8" |
| LE-6316 62 00W | 1/2" |

Tech Sheet 10625

Single Y Pieces



Tube x Tube

| 1014 | OD |
|----------------|------|
| LE-6340 56 00W | 1/4" |
| LE-6340 60 00W | 3/8" |
| LE-6340 62 00W | 1/2" |

Tech Sheet 10625

Tube Blanking Caps



Tube

| 1014 | OD |
|----------------|------|
| LE-6351 56 00W | 1/4" |
| LE-6351 60 00W | 3/8" |

Tech Sheet 10625

LEAK-FREE, PUSH-IN FITTINGS NPT THREADS X IMPERIAL TUBE



Connectors



Tube x Hose Tail

| 1014 | Stem OD | To Suit Hose ID |
|----------------|---------|-----------------|
| LE-6322 56 56W | 1/4" | 0.28 |
| LE-6322 60 56W | 3/8" | 0.28 |
| LE-6322 60 08W | 3/8" | 0.33 |
| LE-6322 60 60W | 3/8" | 0.4 |
| LE-6322 62 60W | 1/2" | 0.4 |

Tech Sheet 10625

Plugs



Tube

| 1014 | OD |
|----------------|------|
| LE-6326 56 00W | 1/4" |

Tech Sheet 10625

Acetal Check Valves



Tube x Tube

| 1014 | OD |
|----------------|------|
| LE-7992 56 00W | 1/4" |
| LE-7992 60 00W | 3/8" |

Tech Sheet 10625

Tank Ball Valves



Tube x Female, NPT

| 1014 | OD | Thread |
|----------------|------|--------|
| LE-4022 56 14W | 1/4" | 1/4" |
| LE-4022 60 18W | 3/8" | 3/8" |

Tech Sheet 10625

In-line Ball Valves



Tube x Tube

| 1014 | OD |
|----------------|------|
| LE-4020 56 00W | 1/4" |
| LE-4020 60 00W | 3/8" |

Tech Sheet 10625



Tube x Male, NPT

| 1014 | OD | Thread |
|----------------|------|--------|
| LE-4021 56 14W | 1/4" | 1/4" |
| LE-4021 60 18W | 3/8" | 3/8" |

Tech Sheet 10625

Reducers



Tube x Stem

| 1014 | OD | Stem OD |
|----------------|------|---------|
| LE-6366 56 08W | 1/4" | 5/16" |
| LE-6366 56 60W | 1/4" | 3/8" |
| LE-6366 60 62W | 3/8" | 1/2" |

Tech Sheet 10625

Plug-in Equal Compact Elbows



Tube x Stem

| 1014 | OD |
|----------------|------|
| LE-6382 56 00W | 1/4" |
| LE-6382 60 00W | 3/8" |
| LE-6382 62 00W | 1/2" |

Tech Sheet 10625

Plug-in Equal Branch Tees



Tube x Stem

| 1014 | OD |
|----------------|------|
| LE-6388 56 00W | 1/4" |
| LE-6388 60 00W | 3/8" |

Tech Sheet 10625

LEAK-FREE, PUSH-IN FITTINGS BSP THREADS X METRIC TUBE



Male Stud Fittings



BSPT

| 1014 | OD mm | Thread |
|----------------|-------|--------|
| LE-6505 04 10W | 4 | 1/8" |
| LE-6505 04 13W | 4 | 1/4" |
| LE-6505 06 10W | 6 | 1/8" |
| LE-6505 06 13W | 6 | 1/4" |
| LE-6505 08 10W | 8 | 1/8" |
| LE-6505 08 13W | 8 | 1/4" |
| LE-6505 08 17W | 8 | 3/8" |
| LE-6505 10 13W | 10 | 1/4" |
| LE-6505 10 17W | 10 | 3/8" |
| LE-6505 10 21W | 10 | 1/2" |
| LE-6505 12 17W | 12 | 3/8" |
| LE-6505 12 21W | 12 | 1/2" |

Tech Sheet 10625

Female Stud Fittings



BSPT

| 1014 | OD mm | Thread |
|----------------|-------|--------|
| LE-6315 06 10W | 6 | 1/8" |
| LE-6315 06 13W | 6 | 1/4" |
| LE-6315 08 13W | 8 | 1/4" |
| LE-6315 08 17W | 8 | 3/8" |

Tech Sheet 10625

Fixed Male Stud Elbows



BSPT

| 1014 | OD mm | Thread |
|----------------|-------|--------|
| LE-6579 06 10W | 6 | 1/8" |
| LE-6579 06 13W | 6 | 1/4" |
| LE-6579 06 17W | 6 | 3/8" |

Tech Sheet 10625

Swivel Male Stud Fittings



BSPT

| 1014 | OD mm | Thread |
|----------------|-------|--------|
| LE-6509 06 10W | 6 | 1/8" |
| LE-6509 06 13W | 6 | 1/4" |
| LE-6509 06 17W | 6 | 3/8" |
| LE-6509 08 10W | 8 | 1/8" |
| LE-6509 08 13W | 8 | 1/4" |
| LE-6509 08 17W | 8 | 3/8" |
| LE-6509 10 13W | 10 | 1/4" |
| LE-6509 10 17W | 10 | 3/8" |
| LE-6509 10 21W | 10 | 1/2" |
| LE-6509 12 17W | 12 | 3/8" |
| LE-6509 12 21W | 12 | 1/2" |

Tech Sheet 10625

Tees



Equal

| 1014 | OD mm |
|----------------|-------|
| LE-6304 04 00W | 4 |
| LE-6304 06 00W | 6 |
| LE-6304 08 00W | 8 |
| LE-6304 10 00W | 10 |
| LE-6304 12 00W | 12 |

Tech Sheet 10625

Swivel Branch Tees



BSPT

| 1014 | OD mm | Thread |
|----------------|-------|--------|
| LE-6508 06 10W | 6 | 1/8" |
| LE-6508 06 13W | 6 | 1/4" |
| LE-6508 06 17W | 6 | 3/8" |
| LE-6508 08 13W | 8 | 1/4" |
| LE-6508 08 17W | 8 | 3/8" |
| LE-6508 10 13W | 10 | 1/4" |
| LE-6508 10 17W | 10 | 3/8" |
| LE-6508 10 21W | 10 | 1/2" |
| LE-6508 12 17W | 12 | 3/8" |
| LE-6508 12 21W | 12 | 1/2" |

Tech Sheet 10625

Swivel Male Run Tees



BSPT

| 1014 | OD mm | Thread |
|----------------|-------|--------|
| LE-6503 06 13W | 6 | 1/4" |
| LE-6503 08 10W | 8 | 1/8" |
| LE-6503 08 13W | 8 | 1/4" |
| LE-6503 08 17W | 8 | 3/8" |
| LE-6503 12 17W | 12 | 3/8" |
| LE-6503 12 21W | 12 | 1/2" |

Tech Sheet 10625

Stem Adaptors



BSPT

| 1014 | OD mm | Thread |
|----------------|-------|--------|
| LE-6521 06 10W | 6 | 1/8" |
| LE-6521 06 13W | 6 | 1/4" |
| LE-6521 06 17W | 6 | 3/8" |
| LE-6521 08 10W | 8 | 1/8" |
| LE-6521 08 13W | 8 | 1/4" |
| LE-6521 08 17W | 8 | 3/8" |
| LE-6521 10 13W | 10 | 1/4" |
| LE-6521 10 17W | 10 | 3/8" |
| LE-6521 10 21W | 10 | 1/2" |
| LE-6521 12 17W | 12 | 3/8" |
| LE-6521 12 21W | 12 | 1/2" |

Tech Sheet 10625

LEAK-FREE, PUSH-IN FITTINGS



Equal Elbows



Tube x Tube

| 1014 | OD mm |
|----------------|-------|
| LE-6302 04 00W | 4 |
| LE-6302 06 00W | 6 |
| LE-6302 08 00W | 8 |
| LE-6302 10 00W | 10 |
| LE-6302 12 00W | 12 |

Tech Sheet 10625

Single Y Pieces



Tube x Tube

| 1014 | OD mm |
|----------------|-------|
| LE-6340 04 00W | 4 |
| LE-6340 06 00W | 6 |
| LE-6340 08 00W | 8 |
| LE-6340 10 00W | 10 |
| LE-6340 12 00W | 12 |

Tech Sheet 10625

Plug-in Equal Compact Elbows



Tube x Stem

| 1014 | OD mm |
|----------------|-------|
| LE-6382 04 00W | 4 |
| LE-6382 06 00W | 6 |
| LE-6382 08 00W | 8 |
| LE-6382 10 00W | 10 |
| LE-6382 12 00W | 12 |

Tech Sheet 10625

Straight Connectors



Equal, Tube x Tube

| 1014 | OD mm |
|----------------|-------|
| LE-6306 04 00W | 4 |
| LE-6306 06 00W | 6 |
| LE-6306 08 00W | 8 |
| LE-6306 10 00W | 10 |
| LE-6306 12 00W | 12 |

Tech Sheet 10625

Tube Blanking Caps



Tube

| 1014 | OD mm |
|----------------|-------|
| LE-6351 04 00W | 4 |
| LE-6351 06 00W | 6 |
| LE-6351 08 00W | 8 |
| LE-6351 10 00W | 10 |
| LE-6351 12 00W | 12 |

Tech Sheet 10625

Plug-in Equal Branch Tees



Tube x Stem

| 1014 | OD mm |
|----------------|-------|
| LE-6388 04 00W | 4 |
| LE-6388 06 00W | 6 |
| LE-6388 08 00W | 8 |
| LE-6388 10 00W | 10 |

Tech Sheet 10625

Bulkhead Connectors



Tube x Tube

| 1014 | OD mm |
|----------------|-------|
| LE-6316 04 00W | 4 |
| LE-6316 06 00W | 6 |
| LE-6316 08 00W | 8 |
| LE-6316 10 00W | 10 |
| LE-6316 12 00W | 12 |

Tech Sheet 10625

Reducers



Tube x Stem

| 1014 | OD mm | Stem OD mm |
|----------------|-------|------------|
| LE-6366 04 06W | 4 | 6 |
| LE-6366 06 08W | 6 | 8 |
| LE-6366 08 10W | 8 | 10 |

Tech Sheet 10625

Plugs



Tube

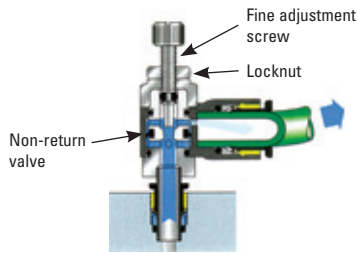
| 1014 | OD mm |
|----------------|-------|
| LE-6326 04 00W | 4 |
| LE-6326 06 00W | 6 |
| LE-6326 08 00W | 8 |
| LE-6326 10 00W | 10 |
| LE-6326 12 00W | 12 |

Tech Sheet 10625

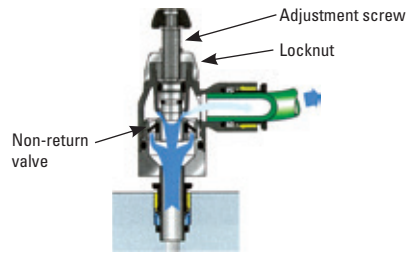
FLOW CONTROL REGULATORS POLYMER VERSION



Miniature



Compact



Working Temperature:
0°C to +70°C

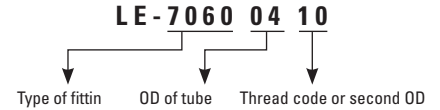
Working Pressure:
1 to 10 bar

Working Fluids:
Compressed air

Identification:

The part numbers have been chosen by a method of mnemonics. Each item is identified by

- Its series
- The diameter of passage through the fitting
- The thread code or second tube diameter



Compact



Exhaust Version (A), BSPP

| 1012 | OD mm | Thread |
|---------------|-------|--------|
| LE-7060 06 10 | 6 | 1/8" |
| LE-7060 06 13 | 6 | 1/4" |
| LE-7060 08 10 | 8 | 1/8" |
| LE-7060 08 13 | 8 | 1/4" |
| LE-7060 08 17 | 8 | 3/8" |
| LE-7060 10 13 | 10 | 1/4" |
| LE-7060 10 17 | 10 | 3/8" |
| LE-7060 12 17 | 12 | 3/8" |
| LE-7060 12 21 | 12 | 1/2" |

Tech Sheet 10627



Supply Version (B), BSPP

| 1012 | OD mm | Thread |
|---------------|-------|--------|
| LE-7061 04 10 | 4 | 1/8" |
| LE-7061 06 10 | 6 | 1/8" |
| LE-7061 06 13 | 6 | 1/4" |
| LE-7061 08 13 | 8 | 1/4" |
| LE-7061 08 17 | 8 | 3/8" |
| LE-7061 10 17 | 10 | 3/8" |
| LE-7061 12 21 | 12 | 1/2" |

Tech Sheet 10627



Bi-directional Version (C), BSPP

| 1012 | OD mm | Thread |
|---------------|-------|--------|
| LE-7062 04 10 | 4 | 1/8" |
| LE-7062 06 10 | 6 | 1/8" |
| LE-7062 06 13 | 6 | 1/4" |
| LE-7062 08 10 | 8 | 1/8" |
| LE-7062 08 13 | 8 | 1/4" |

Tech Sheet 10627

Miniature



Exhaust Version (A), Metric & BSPP

| 1012 | OD mm | Thread |
|---------------|-------|----------|
| LE-7660 03 19 | 3 | M5 x 0.8 |
| LE-7660 04 19 | 4 | M5 x 0.8 |
| LE-7660 04 10 | 4 | 1/8" |
| LE-7660 06 19 | 6 | M5 x 0.8 |
| LE-7660 06 10 | 6 | 1/8" |
| LE-7660 06 13 | 6 | 1/4" |
| LE-7660 08 10 | 8 | 1/8" |
| LE-7660 08 13 | 8 | 1/4" |
| LE-7660 08 17 | 8 | 3/8" |

Tech Sheet 10627



Supply Version (B), Metric & BSPP

| 1012 | OD mm | Thread |
|---------------|-------|----------|
| LE-7669 03 09 | 3 | M3 x 0.5 |
| LE-7669 04 19 | 4 | M5 x 0.8 |
| LE-7669 04 10 | 4 | 1/8" |
| LE-7669 06 19 | 6 | M5 x 0.8 |
| LE-7669 06 10 | 6 | 1/8" |
| LE-7669 08 13 | 8 | 1/4" |

Tech Sheet 10627

Plug-in Compact



Exhaust Version (A)

| 1012 | OD mm |
|---------------|-------|
| LE-7030 08 00 | 8 |

Tech Sheet 10627

Supply Version (B)

| 1012 | OD mm |
|---------------|-------|
| LE-7031 06 00 | 6 |
| LE-7031 08 00 | 8 |

Tech Sheet 10627

FLOW CONTROL REGULATORS POLYMER VERSION

In-line Panel Mountable with LF 3000 Push-in Connections



One Way Adjustment (A), for Nylon PU Tubing

| 1012 | OD mm |
|---------------|-------|
| LE-7776 04 00 | 4 |
| LE-7776 06 00 | 6 |
| LE-7776 08 00 | 8 |
| LE-7776 10 00 | 10 |
| LE-7776 12 00 | 12 |

In-line with LF 3000 Push-in Connections



One Way Adjustment (A), for Nylon and PU Tubing

| 1012 | OD mm |
|---------------|-------|
| LE-7770 04 00 | 4 |
| LE-7770 06 00 | 6 |
| LE-7770 08 00 | 8 |
| LE-7770 10 00 | 10 |
| LE-7770 12 00 | 12 |

Bi-directional (C)

| 1012 | OD mm |
|---------------|-------|
| LE-7772 04 00 | 4 |
| LE-7772 06 00 | 6 |
| LE-7772 08 00 | 8 |

Compact Swivel Outlet



Exhaust Version (A), BSPP

| 1012 | OD mm | Thread |
|---------------|-------|--------|
| LE-7740 06 10 | 6 | 1/8" |
| LE-7040 08 10 | 8 | 1/8" |

Tech Sheet 10627

Exhaust Version (A), BSPT

| 1012 | OD mm | Thread |
|---------------|-------|--------|
| LE-7045 08 17 | 8 | 3/8" |

In-line with Threaded Connections



One Way Adjustment (C), Panel Mountable, BSPP

| 1012 | Thread |
|---------------|--------|
| LE-7771 10 10 | 1/8" |
| LE-7771 13 13 | 1/4" |
| LE-7771 17 17 | 3/8" |
| LE-7771 21 21 | 1/2" |

Miniature Swivel Outlet



Supply Version (B), Metric & BSPP

| 1012 | OD mm | Thread |
|---------------|-------|----------|
| LE-7649 04 19 | 4 | M5 x 0.8 |
| LE-7649 06 19 | 6 | M5 x 0.8 |
| LE-7649 06 10 | 6 | 1/8" |



Compact, with Recessed Adjustment Screw



Exhaust Version (A), Metric & BSPP

| 1012 | OD mm | Thread |
|---------------|-------|----------|
| LE-7010 04 19 | 4 | M5 x 0.8 |
| LE-7010 04 10 | 4 | 1/4" |
| LE-7010 06 19 | 6 | M5 x 0.8 |
| LE-7010 06 10 | 6 | 1/8" |
| LE-7010 06 13 | 6 | 1/4" |
| LE-7010 08 10 | 8 | 1/8" |
| LE-7010 08 13 | 8 | 1/4" |
| LE-7010 10 13 | 10 | 1/4" |
| LE-7010 10 17 | 10 | 3/8" |

Supply Version (B), Metric & BSPP

| 1012 | OD mm | Thread |
|---------------|-------|----------|
| LE-7011 06 19 | 6 | M5 x 0.8 |
| LE-7011 06 10 | 6 | 1/8" |
| LE-7011 06 13 | 6 | 1/4" |
| LE-7011 08 13 | 8 | 1/4" |
| LE-7011 10 13 | 10 | 1/4" |

Bi-directional (C), Metric



| 1012 | OD mm | Thread |
|---------------|-------|----------|
| LE-7012 04 19 | 4 | M5 x 0.8 |

Metal Body with LF 3000 Instant Fittings

 Flow Control Regulators Metal Version
Working Temperature:
0°C to +70°C



Exhaust Flow Control, BSPP

| 1012 | OD mm | Thread |
|---------------|-------|--------|
| LE-7100 06 13 | 6 | 1/4" |
| LE-7100 08 10 | 8 | 1/8" |
| LE-7100 08 13 | 8 | 1/4" |
| LE-7100 12 21 | 12 | 1/2" |
| LE-7100 14 21 | 14 | 1/2" |

Supply Flow Control, BSPP

| 1012 | OD mm | Thread |
|---------------|-------|--------|
| LE-7101 06 13 | 6 | 1/4" |

FLOW CONTROL REGULATORS & FUNCTION FITTINGS

Metal Body with Threaded Fittings

Exhaust Flow Control, BSPP

| 1012 | Thread |
|---------------|--------|
| LE-7110 13 13 | 1/4" |
| LE-7110 17 17 | 3/8" |
| LE-7110 21 21 | 1/2" |



Supply Flow Control, BSPP

| 1012 | Thread |
|---------------|--------|
| LE-7111 13 13 | 1/4" |

Blocking Fittings: Which are mounted in pairs in a cylinder-lock the piston by simultaneously cutting off the supply and exhaust. Functional locks are more precise and rapid when blocking fittings are located on the cylinder: the volume of air in the supply line no longer needs to be taken into consideration.

Male Thread BSPP

Working Temperature: -20°C to +70°C
No. of Cycles: 10 million at 20°C and 1 Hz
Body: Treated brass

Working Pressure: 1 to 10 bar



With LF 3000 Instant Fittings, BSPP

| 1012 | Thread A mm | Thread B mm | Thread |
|---------------|-------------|-------------|--------|
| LE-7880 06 10 | 6 | 4 | 1/8" |
| LE-7880 06 13 | 6 | 4 | 1/4" |
| LE-7880 08 13 | 8 | 4 | 1/4" |
| LE-7880 08 17 | 8 | 4 | 3/8" |
| LE-7880 10 17 | 10 | 4 | 3/8" |
| LE-7880 12 21 | 12 | 4 | 1/2" |

With Threaded Connection

| 1012 | OD A mm | OD B mm | Thread |
|---------------|---------|---------|--------|
| LE-7881 13 10 | 1/8" | M5 | 1/4" |
| LE-7881 13 13 | 1/4" | M5 | 1/4" |
| LE-7881 17 17 | 3/8" | M5 | 3/8" |
| LE-7881 21 21 | 1/2" | M5 | 1/2" |

Blocker/Flow Regulator

Working Temperature: -15°C to +60°C

Body: Polymer HR/brass body with captive seal. This fitting combines the functions of blocking and flow regulation, saving space and installing time

With LF 3000 Instant Fittings, BSPP

| 1012 | OD A mm | OD B mm | Thread |
|---------------|---------|---------|--------|
| LE-7883 06 10 | 6 | 4 | 1/8" |
| LE-7883 06 13 | 6 | 4 | 1/4" |
| LE-7883 08 13 | 8 | 4 | 1/4" |



Push-in Connectors

Supply Version, BSPP

| 1012 | OD mm | Thread |
|---------------|-------|--------|
| LE-7984 06 10 | 6 | 1/8" |
| LE-7984 06 13 | 6 | 1/4" |
| LE-7984 08 10 | 8 | 1/8" |
| LE-7984 08 13 | 8 | 1/4" |



Supply Version, BSPT

| 1012 | OD mm | Thread |
|---------------|-------|--------|
| LE-7985 06 13 | 6 | 1/4" |
| LE-7985 08 13 | 8 | 1/4" |



Miniature with Push-in Connection

Exhaust Version, Metric & BSPP

| 1012 | OD mm | Thread |
|---------------|-------|----------|
| LE-7180 04 19 | 4 | M5 x 0.8 |
| LE-7180 04 10 | 4 | 1/8" |
| LE-7180 06 10 | 6 | 1/8" |
| LE-7180 08 10 | 8 | 1/8" |



Miniature with Threaded Fitting

Exhaust Version, Metric & BSPP

| 1012 | Thread |
|---------------|----------|
| LE-7190 19 19 | M5 x 0.8 |
| LE-7190 10 10 | 1/8" |



Recessed Adjustment Screw

Push-in, Exhaust Version, Metric & BSPP

| 1012 | OD mm | Thread |
|---------------|-------|----------|
| LE-7130 04 19 | 4 | M5 x 0.8 |
| LE-7130 04 10 | 4 | 1/8" |
| LE-7130 06 19 | 6 | M5 x 0.8 |
| LE-7130 06 10 | 6 | 1/8" |
| LE-7130 06 13 | 6 | 1/4" |
| LE-7130 08 10 | 8 | 1/8" |
| LE-7130 08 13 | 8 | 1/4" |
| LE-7130 08 17 | 8 | 3/8" |
| LE-7130 10 13 | 10 | 1/4" |
| LE-7130 10 17 | 10 | 3/8" |
| LE-7130 12 17 | 12 | 3/8" |
| LE-7130 12 21 | 12 | 1/2" |



Threaded Fitting, Exhaust Version, Metric & BSPP

| 1012 | Thread |
|---------------|----------|
| LE-7140 19 19 | M5 x 0.8 |
| LE-7140 10 10 | 1/8" |
| LE-7140 13 13 | 1/4" |
| LE-7140 17 17 | 3/8" |
| LE-7140 21 21 | 1/2" |



Threaded Fitting, Exhaust Version, BSPP

| 1012 | Thread |
|---------------|--------|
| LE-7810 13 13 | 1/4" |
| LE-7810 17 17 | 3/8" |



Threaded Fitting, Bi-directional, BSPP

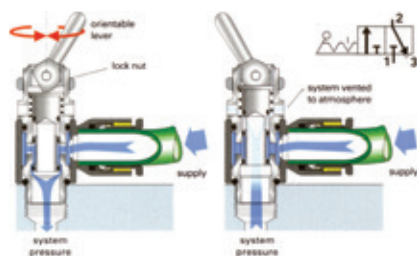
| 1012 | Thread |
|---------------|--------|
| LE-7812 10 10 | 1/8" |
| LE-7812 13 13 | 1/4" |



FLOW CONTROL REGULATORS & FUNCTION FITTINGS



Pilot Operated Vent Fittings



Male Thread, with Push-in Connection, BSPP

| 1012 | OD mm | Thread |
|---------------|-------|--------|
| LE-7800 04 10 | 4 | 1/8" |
| LE-7800 06 10 | 6 | 1/8" |
| LE-7800 06 13 | 6 | 1/4" |
| LE-7800 08 13 | 8 | 1/4" |

Tech Sheet 10628



2/2 Manual Switch Operated Valve, BSPP

| 1012 | OD mm | Thread |
|---------------|-------|--------|
| LE-7802 06 10 | 6 | 1/8" |
| LE-7802 06 13 | 6 | 1/4" |
| LE-7802 08 10 | 8 | 1/8" |
| LE-7802 08 13 | 8 | 1/4" |

Tech Sheet 10628

Pneumatic Sensor Fittings

Working Temperature: -15°C to +60°C
 Breaking Pressure: 0.6 bar
 Response Time: 3ms

Working Pressure: 3 to 8 bar



With LF 3000 Push-in Fittings for Nylon and PU Tubing, Metric & BSPP

| 1012 | OD mm | Thread |
|---------------|-------|----------|
| LE-7818 04 19 | 4 | M5 x 0.8 |
| LE-7818 04 10 | 4 | 1/8" |
| LE-7818 04 13 | 4 | 1/4" |
| LE-7818 04 17 | 4 | 3/8" |
| LE-7818 04 21 | 4 | 1/2" |

Tech Sheet 10632



Threaded Fittings, Metric & BSPP

| 1012 | Thread | Thread |
|---------------|--------|--------|
| LE-7818 19 10 | 1/8" | M5 |
| LE-7818 19 13 | 1/4" | M5 |

Tech Sheet 10632

In-line Non-return Valve

With LF 3000 Push-in Connector



| 1012 | OD mm |
|---------------|-------|
| LE-7996 04 00 | 4 |
| LE-7996 06 00 | 6 |
| LE-7996 08 00 | 8 |
| LE-7996 10 00 | 10 |
| LE-7996 12 00 | 12 |

Piloted Non-return Valves



BSPP

| 1012 | OD mm | Thread |
|---------------|-------|--------|
| LE-7892 06 10 | 6 | 1/8" |
| LE-7892 08 10 | 8 | 1/8" |
| LE-7892 06 13 | 6 | 1/4" |
| LE-7892 08 13 | 8 | 1/4" |
| LE-7892 08 17 | 8 | 3/8" |

Tech Sheet 10661

Piloted Non-return, Regulator & Exhaust



BSPP

| 1012 | OD mm | Thread |
|---------------|-------|--------|
| LE-7894 06 10 | 6 | 1/8" |
| LE-7894 08 10 | 8 | 1/8" |
| LE-7894 06 13 | 6 | 1/4" |
| LE-7894 08 13 | 8 | 1/4" |
| LE-7894 08 17 | 8 | 3/8" |

Tech Sheet 10661

SNAP CONNECTORS



Body with LF 3000 Connection



| 1012 | OD A mm | OD B mm |
|---------------|---------|---------|
| LE-7926 05 06 | 6 | 5 |
| LE-7926 05 08 | 8 | 5 |
| LE-7926 07 10 | 10 | 7,3 |

Tech Sheet 10629


Probe with LF 3000 Connection




| 1012 | OD A mm | OD B mm |
|---------------|---------|---------|
| LE-7960 05 06 | 6 | 5 |
| LE-7960 05 08 | 8 | 5 |
| LE-7960 07 10 | 10 | 7,3 |

Tech Sheet 10629

QS, STANDARD SERIES PUSH-IN FITTINGS

 **Ambient Temperature:**
-10°C to +80°C

 **Temperature Dependent Operating Pressure:**
- 0.95 to 6 bar at 80°C
- 0.95 to 14 bar at 20°C

- Simple and reliable connection and release
- Wide range of variants: large selection for maximum flexibility in standard applications

- PBT housing, POM release ring, NBR tube seal
- Operating media: compressed air, vacuum, (water as per manufacturer's declaration)

Male Studs



Male Thread, BSPP

| 0009 | OD mm | Thread | Quantity | Manufacturer's Code |
|--------|-------|--------|----------|---------------------|
| 186106 | 4 | G1/8" | 10 | QS-G1/8-4-I |
| 186107 | 6 | G1/8" | 10 | QS-G1/8-6-I |
| 186109 | 8 | G1/8" | 10 | QS-G1/8-10-I |
| 186108 | 6 | G1/4" | 10 | QS-G1/4-6-I |
| 186110 | 8 | G1/4" | 10 | QS-G1/4-8-I |
| 186111 | 8 | G3/8" | 10 | QS-G3/8-8-I |
| 132999 | 10 | G1/8" | 10 | QS-G3/8-10-I |
| 186112 | 10 | G1/4" | 10 | QS-G3/8-12-I |
| 186113 | 10 | G3/8" | 10 | QS-G1/2-12-I |
| 186114 | 12 | G3/8" | 10 | QS-G1/8-8-I |
| 186115 | 12 | G1/2" | 1 | QS-G1/4-10-I |

Tech Sheet 70377



Male Thread, BSPT

| 0009 | OD mm | Thread | Quantity | Manufacturer's Code |
|--------|-------|--------|----------|---------------------|
| 153012 | 4 | R1/8" | 10 | QS-1/8-4-I |
| 153013 | 6 | R1/8" | 10 | QS-1/8-6-I |
| 153014 | 6 | R1/4" | 10 | QS-1/4-6-I |
| 153015 | 8 | R1/8" | 10 | QS-1/8-8-I |
| 153016 | 8 | R1/4" | 10 | QS-1/4-8-I |
| 153017 | 8 | R3/8" | 10 | QS-3/8-8-I |
| 190647 | 10 | R1/8" | 10 | QS-1/8-10-I |
| 153018 | 10 | R1/4" | 10 | QS-1/4-10-I |
| 153019 | 10 | R3/8" | 10 | QS-3/8-10-I |
| 190648 | 10 | R1/2" | 1 | QS-1/2-10-I |
| 190649 | 12 | R1/4" | 10 | QS-1/4-12-I |
| 153020 | 12 | R3/8" | 10 | QS-3/8-12-I |
| 153021 | 12 | R1/2" | 1 | QS-1/2-12-I |

Tech Sheet 70380



Male Thread, BSPP (Hex Body)

| 0009 | OD mm | Thread | Quantity | Manufacturer's Code |
|--------|-------|--------|----------|---------------------|
| 186095 | 4 | G1/8" | 10 | QS-G1/8-4 |
| 186096 | 6 | G1/8" | 10 | QS-G1/8-6 |
| 186097 | 6 | G1/4" | 10 | QS-G1/4-6 |
| 186098 | 8 | G1/8" | 10 | QS-G1/8-8 |
| 186099 | 8 | G1/4" | 10 | QS-G1/4-8 |
| 186100 | 8 | G3/8" | 10 | QS-G3/8-8 |
| 186101 | 10 | G1/4" | 10 | QS-G1/4-10 |
| 186102 | 10 | G3/8" | 10 | QS-G3/8-10 |
| 186350 | 12 | G1/4" | 10 | QS-G1/4-12 |
| 186103 | 12 | G3/8" | 10 | QS-G3/8-12 |
| 186104 | 12 | G1/2" | 1 | QS-G1/2-12 |

Tech Sheet 70379



Male Thread, BSPT (Hex Body)

| 0009 | OD mm | Thread | Quantity | Manufacturer's Code |
|--------|-------|--------|----------|---------------------|
| 153001 | 4 | R1/8" | 10 | QS-1/8-4 |
| 190644 | 4 | R1/4" | 10 | QS-1/4-4 |
| 153002 | 6 | R1/8" | 10 | QS-1/8-6 |
| 153003 | 6 | R1/4" | 10 | QS-1/4-6 |
| 190645 | 6 | R3/8" | 10 | QS-3/8-6 |
| 153004 | 8 | R1/8" | 10 | QS-1/8-8 |
| 153005 | 8 | R1/4" | 10 | QS-1/4-8 |
| 153006 | 8 | R3/8" | 10 | QS-3/8-8 |
| 190643 | 10 | R1/8" | 10 | QS-1/8-10 |
| 153007 | 10 | R1/4" | 10 | QS-1/4-10 |
| 153008 | 10 | R3/8" | 10 | QS-3/8-10 |
| 190646 | 10 | R1/2" | 1 | QS-1/2-10 |
| 164980 | 12 | R1/4" | 10 | QS-1/4-12 |
| 153009 | 12 | R3/8" | 10 | QS-3/8-12 |
| 153010 | 12 | R1/2" | 1 | QS-1/2-12 |

Tech Sheet 70378

Female Studs

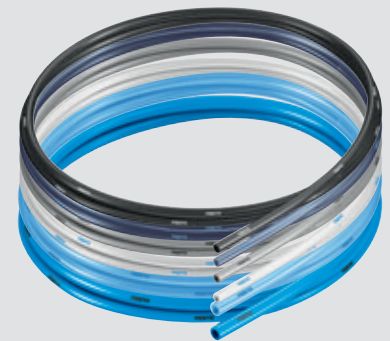


Female Thread, BSPT

| 0009 | OD mm | Thread | Quantity | Manufacturer's Code |
|--------|-------|--------|----------|---------------------|
| 153022 | 4 | R1/8" | 10 | QSF-1/8-4-B |
| 130709 | 4 | R1/8" | 100 | QSF-1/8-4-B-100 |
| 190650 | 4 | R1/4" | 10 | QSF-1/4-4-B |
| 153023 | 6 | R1/8" | 10 | QSF-1/8-6-B |
| 130712 | 6 | R1/4" | 100 | QSF-1/4-6-B-100 |
| 130710 | 6 | R1/8" | 100 | QSF-1/8-6-B-100 |
| 153024 | 6 | R1/4" | 10 | QSF-1/4-6-B |
| 190652 | 6 | R3/8" | 10 | QSF-3/8-6-B |
| 153025 | 8 | R1/8" | 10 | QSF-1/8-8-B |
| 130711 | 8 | R1/8" | 50 | QSF-1/8-8-B-50 |
| 153026 | 8 | R1/4" | 10 | QSF-1/4-8-B |
| 130713 | 8 | R1/4" | 50 | QSF-1/4-8-B-50 |
| 153027 | 8 | R3/8" | 10 | QSF-3/8-8-B |
| 130715 | 8 | R3/8" | 50 | QSF-3/8-8-B-50 |
| 153028 | 10 | R1/4" | 10 | QSF-1/4-10-B |
| 130714 | 10 | R1/4" | 50 | QSF-1/4-10-B-50 |
| 153029 | 10 | R3/8" | 10 | QSF-3/8-10-B |
| 130716 | 10 | R3/8" | 50 | QSF-3/8-10-B-50 |
| 190651 | 12 | R1/4" | 10 | QSF-1/4-12-B |
| 153030 | 12 | R3/8" | 10 | QSF-3/8-12-B |
| 130717 | 12 | R3/8" | 20 | QSF-3/8-12-B-20 |
| 190653 | 12 | R1/2" | 1 | QSF-1/2-12-B |
| 190654 | 16 | R1/2" | 1 | QSF-1/2-16-B |

Tech Sheet 70384

FESTO




You might also need
Polyurethane Tubing
see pages **911-912**

QS, STANDARD SERIES PUSH-IN FITTINGS

FESTO

 **Ambient Temperature:**
-10°C to +80°C

 **Temperature Dependant Operating Pressure:**
- 0.95 to 6 bar at 80°C
- 0.95 to 14 bar at 20°C

- Simple and reliable connection and release
- Wide range of variants: large selection for maximum flexibility in standard applications

- PBT housing, POM release ring, NBR tube seal
- Operating media: compressed air, vacuum, (water as per manufacturer's declaration)

Male Stud 90° Elbows



Male Thread, BSPP

| 0009 | OD mm | Thread | Quantity | Manufacturer's Code |
|--------|-------|--------|----------|---------------------|
| 186116 | 4 | G1/8" | 10 | QSL-G1/8-4 |
| 186117 | 6 | G1/8" | 10 | QSL-G1/8-6 |
| 186118 | 6 | G1/4" | 10 | QSL-G1/4-6 |
| 186119 | 8 | G1/8" | 10 | QSL-G1/8-8 |
| 186120 | 8 | G1/4" | 10 | QSL-G1/4-8 |
| 186121 | 8 | G3/8" | 10 | QSL-G3/8-8 |
| 186122 | 10 | G1/4" | 10 | QSL-G1/4-10 |
| 186123 | 10 | G3/8" | 10 | QSL-G3/8-10 |
| 186351 | 12 | G1/4" | 10 | QSL-G1/4-12 |
| 186124 | 12 | G3/8" | 10 | QSL-G3/8-12 |
| 186125 | 12 | G1/2" | 1 | QSL-G1/2-12 |

Tech Sheet 70385



Male Thread, BSPT

| 0009 | OD mm | Thread | Quantity | Manufacturer's Code |
|--------|-------|--------|----------|---------------------|
| 153045 | 4 | R1/8" | 10 | QSL-1/8-4 |
| 190659 | 4 | R1/4" | 10 | QSL-1/4-4 |
| 153046 | 6 | R1/8" | 10 | QSL-1/8-6 |
| 153047 | 6 | R1/4" | 10 | QSL-1/4-6 |
| 190660 | 6 | R3/8" | 10 | QSL-3/8-6 |
| 153048 | 8 | R1/8" | 10 | QSL-1/8-8 |
| 153049 | 8 | R1/4" | 10 | QSL-1/4-8 |
| 153050 | 8 | R3/8" | 10 | QSL-3/8-8 |
| 190658 | 10 | R1/8" | 10 | QSL-1/8-10 |
| 153051 | 10 | R1/4" | 10 | QSL-1/4-10 |
| 153052 | 10 | R3/8" | 10 | QSL-3/8-10 |
| 190661 | 10 | R1/2" | 1 | QSL-1/2-10 |
| 164981 | 12 | R1/4" | 10 | QSL-1/4-12 |
| 153053 | 12 | R3/8" | 10 | QSL-3/8-12 |
| 153054 | 12 | R1/2" | 1 | QSL-1/2-12 |

Tech Sheet 70386

Male Stud 90° Extended Elbows



Male Thread, BSPT

| 0009 | OD mm | Thread | Quantity | Manufacturer's Code |
|--------|-------|--------|----------|---------------------|
| 153076 | 4 | R1/8" | 10 | QSL-1/8-4 |
| 190662 | 4 | R1/4" | 10 | QSL-1/4-4 |
| 153077 | 6 | R1/8" | 10 | QSL-1/8-6 |
| 153078 | 6 | R1/4" | 10 | QSL-1/4-6 |
| 190663 | 6 | R3/8" | 10 | QSL-3/8-6 |
| 153079 | 8 | R1/8" | 10 | QSL-1/8-8 |
| 153080 | 8 | R1/4" | 10 | QSL-1/4-8 |
| 153081 | 8 | R3/8" | 10 | QSL-3/8-8 |
| 153082 | 10 | R1/4" | 10 | QSL-1/4-10 |
| 153083 | 10 | R3/8" | 10 | QSL-3/8-10 |
| 190664 | 10 | R1/2" | 1 | QSL-1/2-10 |
| 153084 | 12 | R3/8" | 10 | QSL-3/8-12 |
| 153085 | 12 | R1/2" | 1 | QSL-1/2-12 |

Tech Sheet 70393

Female Stud 90° Elbows



Female Thread, BSPT

| 0009 | OD mm | Thread | Quantity | Manufacturer's Code |
|--------|-------|--------|----------|---------------------|
| 153273 | 4 | R1/8" | 10 | QSLF-1/8-4-B |
| 153274 | 6 | R1/8" | 10 | QSLF-1/8-6-B |
| 153275 | 6 | R1/4" | 10 | QSLF-1/4-6-B |
| 153276 | 8 | R1/8" | 10 | QSLF-1/8-8-B |
| 153277 | 8 | R1/4" | 10 | QSLF-1/4-8-B |
| 153278 | 8 | R3/8" | 10 | QSLF-3/8-8-B |
| 153279 | 10 | R1/4" | 10 | QSLF-1/4-10-B |
| 153280 | 10 | R3/8" | 10 | QSLF-3/8-10-B |

Tech Sheet 70387

Male Stud Tees



Branch Male Thread, BSPT

| 0009 | OD mm | Thread | Quantity | Manufacturer's Code |
|--------|-------|--------|----------|---------------------|
| 153106 | 4 | R1/8" | 10 | QST-1/8-4 |
| 190668 | 4 | R1/4" | 10 | QST-1/4-4 |
| 153107 | 6 | R1/8" | 10 | QST-1/8-6 |
| 153108 | 6 | R1/4" | 10 | QST-1/4-6 |
| 190670 | 6 | R3/8" | 10 | QST-3/8-6 |
| 153109 | 8 | R1/8" | 10 | QST-1/8-8 |
| 153110 | 8 | R1/4" | 10 | QST-1/4-8 |
| 153111 | 8 | R3/8" | 10 | QST-3/8-8 |
| 190667 | 10 | R1/8" | 10 | QST-1/8-10 |
| 153112 | 10 | R1/4" | 10 | QST-1/4-10 |
| 153113 | 10 | R3/8" | 10 | QST-3/8-10 |
| 190672 | 10 | R1/2" | 1 | QST-1/2-10 |
| 190669 | 12 | R1/4" | 10 | QST-1/4-12 |
| 153114 | 12 | R3/8" | 10 | QST-3/8-12 |
| 153115 | 12 | R1/2" | 1 | QST-1/2-12 |

Tech Sheet 70395


Run Male Thread, BSPT




| 0009 | OD mm | Thread | Quantity | Manufacturer's Code |
|--------|-------|--------|----------|---------------------|
| 153117 | 4 | R1/8" | 10 | QSTL-1/8-4 |
| 153118 | 6 | R1/8" | 10 | QSTL-1/8-6 |
| 153119 | 6 | R1/4" | 10 | QSTL-1/4-6 |
| 153120 | 8 | R1/8" | 10 | QSTL-1/8-8 |
| 153121 | 8 | R1/4" | 10 | QSTL-1/4-8 |
| 153122 | 8 | R3/8" | 10 | QSTL-3/8-8 |
| 153123 | 10 | R1/4" | 10 | QSTL-1/4-10 |
| 153124 | 10 | R3/8" | 10 | QSTL-3/8-10 |
| 153125 | 12 | R3/8" | 10 | QSTL-3/8-12 |
| 153126 | 12 | R1/2" | 1 | QSTL-1/2-12 |

Tech Sheet 70399

QS, STANDARD SERIES PUSH-IN FITTINGS

 **Ambient Temperature:**
-10°C to +80°C

 **Temperature Dependent Operating Pressure:**
- 0.95 to 6 bar at 80°C
- 0.95 to 14 bar at 20°C

- Simple and reliable connection and release
- Wide range of variants: large selection for maximum flexibility in standard applications

- PBT housing, POM release ring, NBR tube seal
- Operating media: compressed air, vacuum, (water as per manufacturer's declaration)

Male Stud Ys



Male Thread, BSPT

| 0009 | OD mm | Thread | Quantity | Manufacturer's Code |
|--------|-------|--------|----------|---------------------|
| 153138 | 4 | R1/8" | 10 | QSY-1/8-4 |
| 190675 | 4 | R1/4" | 10 | QSY-1/4-4 |
| 153139 | 6 | R1/8" | 10 | QSY-1/8-6 |
| 153140 | 6 | R1/4" | 10 | QSY-1/4-6 |
| 153141 | 8 | R1/8" | 10 | QSY-1/8-8 |
| 153142 | 8 | R1/4" | 10 | QSY-1/4-8 |
| 153143 | 8 | R3/8" | 10 | QSY-3/8-8 |
| 153145 | 10 | R3/8" | 10 | QSY-3/8-10 |
| 153144 | 10 | R1/4" | 10 | QSY-1/4-10 |
| 153146 | 12 | R3/8" | 10 | QSY-3/8-12 |
| 153147 | 12 | R1/2" | 1 | QSY-1/2-12 |

Tech Sheet 70404



Male Thread, Metric

| 0009 | OD mm | Thread | Quantity | Manufacturer's Code |
|--------|-------|--------|----------|---------------------|
| 190673 | 4 | M5 | 10 | QSY-M5-4 |
| 190674 | 6 | M5 | 10 | QSY-M5-6 |

Tech Sheet 70405

Male Stud 90° Ys



Male Thread, BSPT

| 0009 | OD mm | Thread | Quantity | Manufacturer's Code |
|--------|-------|--------|----------|---------------------|
| 153172 | 4 | R1/8" | 1 | QSYL-1/8-4 |
| 153173 | 6 | R1/8" | 1 | QSYL-1/8-6 |
| 153174 | 6 | R1/4" | 1 | QSYL-1/4-6 |
| 153175 | 8 | R1/8" | 1 | QSYL-1/8-8 |
| 153176 | 8 | R1/4" | 1 | QSYL-1/4-8 |
| 153177 | 8 | R3/8" | 1 | QSYL-3/8-8 |
| 153178 | 10 | R1/4" | 1 | QSYL-1/4-10 |
| 153179 | 10 | R3/8" | 1 | QSYL-3/8-10 |
| 153180 | 12 | R3/8" | 1 | QSYL-3/8-12 |
| 153181 | 12 | R1/2" | 1 | QSYL-1/2-12 |

Tech Sheet 70401

Single Banjos



Male Thread, BSPT (Hex Body)

| 0009 | OD mm | Thread | Quantity | Manufacturer's Code |
|--------|-------|--------|----------|---------------------|
| 153086 | 4 | R1/8" | 10 | QSLV-1/8-4 |
| 153087 | 6 | R1/8" | 10 | QSLV-1/8-6 |
| 153088 | 6 | R1/4" | 10 | QSLV-1/4-6 |
| 153089 | 8 | R1/8" | 10 | QSLV-1/8-8 |
| 153090 | 8 | R1/4" | 10 | QSLV-1/4-8 |
| 153091 | 8 | R3/8" | 10 | QSLV-3/8-8 |
| 153092 | 10 | R1/4" | 10 | QSLV-1/4-10 |
| 153093 | 10 | R3/8" | 10 | QSLV-3/8-10 |
| 153094 | 12 | R3/8" | 10 | QSLV-3/8-12 |
| 153095 | 12 | R1/2" | 1 | QSLV-1/2-12 |

Tech Sheet 70392



Male Thread, BSPP (Hex Body)

| 0009 | OD mm | Thread | Quantity | Manufacturer's Code |
|--------|-------|--------|----------|---------------------|
| 186137 | 4 | G1/8" | 10 | QSLV-G1/8-4 |
| 190666 | 6 | M5 | 10 | QSLV-M5-6 |
| 186138 | 6 | G1/8" | 10 | QSLV-G1/8-6 |
| 186139 | 6 | G1/4" | 10 | QSLV-G1/4-6 |
| 186140 | 8 | G1/8" | 10 | QSLV-G1/8-8 |
| 186141 | 8 | G1/4" | 10 | QSLV-G1/4-8 |
| 186142 | 8 | G3/8" | 10 | QSLV-G3/8-8 |
| 186143 | 10 | G1/4" | 10 | QSLV-G1/4-10 |
| 186144 | 10 | G3/8" | 10 | QSLV-G3/8-10 |
| 186145 | 12 | G3/8" | 10 | QSLV-G3/8-12 |
| 186146 | 12 | G1/2" | 1 | QSLV-G1/2-12 |

Tech Sheet 70390

Tube x Tube Connectors



Equal Straights

| 0009 | OD mm | Quantity | Manufacturers Code |
|--------|-------|----------|--------------------|
| 153031 | 4 | 10 | QS-4 |
| 153032 | 6 | 10 | QS-6 |
| 153033 | 8 | 10 | QS-8 |
| 153034 | 10 | 10 | QS-10 |
| 153035 | 12 | 10 | QS-12 |

Tech Sheet 70417



Unequal Straights

| 0009 | OD mm | OD mm | Quantity | Manufacturers Code |
|--------|-------|-------|----------|--------------------|
| 153037 | 6 | 4 | 10 | QS-6-4 |
| 130606 | 8 | 4 | 10 | QS-8-4 |
| 153038 | 8 | 6 | 10 | QS-8-6 |
| 130607 | 10 | 6 | 10 | QS-10-6 |
| 153039 | 10 | 8 | 10 | QS-10-8 |
| 130608 | 12 | 8 | 10 | QS-12-8 |
| 153040 | 12 | 10 | 10 | QS-12-10 |

Tech Sheet 70418



Equal Bulkheads with Fixed Collar

| 0009 | OD mm | Quantity | Manufacturers Code |
|--------|-------|----------|--------------------|
| 130642 | 8 | 10 | QSS-8-F |
| 130643 | 10 | 10 | QSS-10-F |
| 130644 | 12 | 10 | QSS-12-F |

Tech Sheet 70421



Equal Bulkheads

| 0009 | OD mm | Quantity | Manufacturers Code |
|--------|-------|----------|--------------------|
| 153157 | 4 | 10 | QSS-4 |
| 153158 | 6 | 10 | QSS-6 |
| 153159 | 8 | 10 | QSS-8 |
| 153160 | 10 | 10 | QSS-10 |
| 153161 | 12 | 10 | QSS-12 |

Tech Sheet 70422

QS, STANDARD SERIES PUSH-IN FITTINGS

FESTO

Ambient Temperature:
-10°C to +80°C

Temperature Dependant Operating Pressure:
- 0.95 to 6 bar at 80°C
- 0.95 to 14 bar at 20°C

- Simple and reliable connection and release
- Wide range of variants: large selection for maximum flexibility in standard applications

- PBT housing, POM release ring, NBR tube seal
- Operating media: compressed air, vacuum, (water as per manufacturer's declaration)

Tube x Tube Connectors

Equal Elbows



| 0009 | OD mm | Quantity | Manufacturers Code |
|--------|-------|----------|--------------------|
| 153070 | 4 | 10 | QSL-4 |
| 153071 | 6 | 10 | QSL-6 |
| 153072 | 8 | 10 | QSL-8 |
| 153073 | 10 | 10 | QSL-10 |
| 153074 | 12 | 10 | QSL-12 |

Tech Sheet 70424

Equal Tees



| 0009 | OD mm | Quantity | Manufacturers Code |
|--------|-------|----------|--------------------|
| 153128 | 4 | 10 | QST-4 |
| 153129 | 6 | 10 | QST-6 |
| 153130 | 8 | 10 | QST-8 |
| 153131 | 10 | 10 | QST-10 |
| 153132 | 12 | 10 | QST-12 |

Tech Sheet 70426

Unequal Tees



| 0009 | OD mm | OD mm | Quantity | Manufacturers Code |
|--------|-------|-------|----------|--------------------|
| 153134 | 6 | 4 | 10 | QST-6-4 |
| 130613 | 8 | 4 | 10 | QST-8-4 |
| 153135 | 8 | 6 | 10 | QST-8-6 |
| 130614 | 10 | 6 | 10 | QST-10-6 |
| 153136 | 10 | 8 | 10 | QST-10-8 |
| 130615 | 12 | 8 | 10 | QST-12-8 |
| 153137 | 12 | 10 | 10 | QST-12-10 |
| 130616 | 16 | 12 | 1 | QST-16-12 |

Tech Sheet 70427

Equal Ys



| 0009 | OD mm | Quantity | Code |
|--------|-------|----------|--------|
| 153148 | 4 | 10 | QSY-4 |
| 153149 | 6 | 10 | QSY-6 |
| 153150 | 8 | 10 | QSY-8 |
| 153151 | 10 | 10 | QSY-10 |
| 153152 | 12 | 10 | QSY-12 |

Tech Sheet 70429

Unequal Ys



| 0009 | OD mm | OD mm | Quantity | Manufacturers Code |
|--------|-------|-------|----------|--------------------|
| 153153 | 6 | 4 | 10 | QSY-6-4 |
| 130610 | 8 | 4 | 10 | QSY-8-4 |
| 153154 | 8 | 6 | 10 | QSY-8-6 |
| 130611 | 10 | 6 | 10 | QSY-10-6 |
| 153155 | 10 | 8 | 10 | QSY-10-8 |
| 130612 | 12 | 8 | 10 | QSY-12-8 |
| 153156 | 12 | 10 | 10 | QSY-12-10 |
| 190708 | 16 | 12 | 1 | QSY-16-12 |

Tech Sheet 70430

Tube x Stem Connectors



Straights, Tube x Stem

| 0009 | OD mm | Stem OD mm | Quantity | Code |
|--------|-------|------------|----------|--------------|
| 153041 | 6 | 4 | 10 | QS-6H-4 |
| 130622 | 8 | 4 | 10 | QS-8H-4 |
| 153042 | 8 | 6 | 10 | QS-8H-6 |
| 130623 | 10 | 6 | 10 | QS-10H-6 |
| 153043 | 10 | 8 | 10 | QS-10H-8 |
| 132981 | 12 | 6 | 10 | QS-12H-6 |
| 130624 | 12 | 8 | 10 | QS-12H-8 |
| 153044 | 12 | 10 | 10 | QS-12H-10 |
| 130698 | 12 | 10 | 20 | QS-12H-10-20 |

Tech Sheet 70431

Elbows, Tube x Stem



| 0009 | OD mm | Stem OD mm | Quantity | Manufacturers Code |
|--------|-------|------------|----------|--------------------|
| 153056 | 4 | 4 | 10 | QSL-4H |
| 153057 | 6 | 6 | 10 | QSL-6H |
| 153058 | 8 | 8 | 10 | QSL-8H |
| 153059 | 10 | 10 | 10 | QSL-10H |
| 153060 | 12 | 12 | 10 | QSL-12H |

Tech Sheet 70432

Reducing Elbows, Tube x Stem



| 0009 | OD mm | Stem OD mm | Quantity | Code |
|--------|-------|------------|----------|-----------|
| 153061 | 6 | 4 | 10 | QSL-6H-4 |
| 153062 | 8 | 6 | 10 | QSL-8H-6 |
| 153063 | 10 | 8 | 10 | QSL-10H-8 |

Tech Sheet 70433

Tube x Tube Plugs



Tube

| 0009 | OD mm | Quantity | Code |
|--------|-------|----------|--------|
| 153262 | 4 | 10 | QSC-4 |
| 153263 | 6 | 10 | QSC-6 |
| 153264 | 8 | 10 | QSC-8 |
| 153265 | 10 | 10 | QSC-10 |
| 153266 | 12 | 10 | QSC-12 |

Tech Sheet 70440

Tube x Stem Extended Connectors



Elbows, Tube x Stem

| 0009 | OD mm | Stem OD mm | Quantity | Code |
|--------|-------|------------|----------|----------|
| 153065 | 4 | 4 | 10 | QSL-4HL |
| 153066 | 6 | 6 | 10 | QSL-6HL |
| 153067 | 8 | 8 | 10 | QSL-8HL |
| 153068 | 10 | 10 | 10 | QSL-10HL |
| 153069 | 12 | 12 | 10 | QSL-12HL |

Tech Sheet 70434

Tube x Stem Plugs




Tube x Stem


| 0009 | OD mm | Stem OD mm | Quantity | Manufacturers Code |
|--------|-------|------------|----------|--------------------|
| 153267 | 4 | 4 | 10 | QSC-4H |
| 153268 | 6 | 6 | 10 | QSC-6H |
| 153269 | 8 | 8 | 10 | QSC-8H |
| 153270 | 10 | 10 | 10 | QSC-10H |
| 153271 | 12 | 12 | 10 | QSC-12H |

Tech Sheet 70441

QS, MINIATURE SERIES PUSH-IN FITTINGS

FESTO

 **Ambient Temperature:**
-10°C to +80°C

 **Temperature Dependent Operating Pressure:**
- 0.95 to 6 bar at 80°C
- 0.95 to 14 bar at 20°C

- Simple and reliable connection and release
- Compact for maximum component density in confined installation space

- PBT housing, POM release ring, NBR tube seal
- Operating media: compressed air, vacuum

Male Studs



Male Thread, BSPP

| 0009 | OD mm | Thread | Quantity | Code |
|------------------|-------|--------|----------|--------------|
| 186266 | 4 | G1/8" | 10 | QSM-G1/8-4-I |
| 186267 | 6 | G1/8" | 10 | QSM-G1/8-6-I |
| Tech Sheet 70481 | | | | |



Male Thread, Metric & BSPT

| 0009 | OD mm | Thread | Quantity | Code |
|------------------|-------|--------|----------|-------------|
| 153314 | 4 | M3 | 10 | QSM-M3-4-I |
| 153315 | 4 | M5 | 10 | QSM-M5-4-I |
| 153319 | 4 | M7 | 10 | QSM-M7-4-I |
| 153316 | 4 | R1/8" | 10 | QSM-1/8-4-I |
| 153321 | 6 | M7 | 10 | QSM-M7-6-I |
| 153317 | 6 | M5 | 10 | QSM-M5-6-I |
| 153318 | 6 | R1/8" | 10 | QSM-1/8-6-I |
| Tech Sheet 70479 | | | | |



Male Thread, BSPP (Hex Body)

| 0009 | OD mm | Thread | Quantity | Code |
|------------------|-------|--------|----------|------------|
| 186264 | 4 | R1/8" | 10 | QSM-G1/8-4 |
| 186265 | 6 | R1/8" | 10 | QSM-G1/8-6 |
| Tech Sheet 70480 | | | | |



Male Thread, Metric & BSPT (Hex Body)

| 0009 | OD mm | Thread | Quantity | Code |
|------------------|-------|--------|----------|-----------|
| 153303 | 4 | M3 | 10 | QSM-M3-4 |
| 153304 | 4 | M5 | 10 | QSM-M5-4 |
| 153305 | 4 | R1/8" | 10 | QSM-1/8-4 |
| 153306 | 6 | M5 | 10 | QSM-M5-6 |
| 132600 | 6 | M6 | 10 | QSM-M6-6 |
| 153307 | 6 | R1/8" | 10 | QSM-1/8-6 |
| Tech Sheet 70478 | | | | |

Male Stud 90° Elbows



Male Thread, BSPP

| 0009 | OD mm | Thread | Quantity | Code |
|------------------|-------|--------|----------|-------------|
| 186268 | 4 | G1/8" | 10 | QSML-G1/8-4 |
| 186269 | 6 | G1/8" | 10 | QSML-G1/8-6 |
| Tech Sheet 70484 | | | | |



Male Thread, Metric & BSPT

| 0009 | OD mm | Thread | Quantity | Code |
|------------------|-------|--------|----------|------------|
| 153332 | 4 | M3 | 10 | QSML-M3-4 |
| 153333 | 4 | M5 | 10 | QSML-M5-4 |
| 186352 | 4 | M7 | 10 | QSML-M7-4 |
| 153334 | 4 | R1/8" | 10 | QSML-1/8-4 |
| 153335 | 6 | M5 | 10 | QSML-M5-6 |
| 186353 | 6 | M7 | 10 | QSML-M7-6 |
| 153336 | 6 | R1/8" | 10 | QSML-1/8-6 |
| Tech Sheet 70483 | | | | |

FESTO


You might also need
SPAN Series Pressure Sensors
see page 428



QS, MINIATURE SERIES PUSH-IN FITTINGS

FESTO

 **Ambient Temperature:**
-10°C to +80°C

 **Temperature Dependant Operating Pressure:**
- 0.95 to 6 bar at 80°C
- 0.95 to 14 bar at 20°C

- Simple and reliable connection and release
- Compact for maximum component density in confined installation space

- PBT housing, POM release ring, NBR tube seal
- Operating media: compressed air, vacuum

Tube x Tube Connectors



Equal Straights

| 0009 | OD mm | Quantity | Code |
|--------|-------|----------|-------|
| 153324 | 4 | 10 | QSM-4 |
| 153325 | 6 | 10 | QSM-6 |

Tech Sheet 70491



Unequal Straights

| 0009 | OD mm | OD mm | Quantity | Code |
|--------|-------|-------|----------|---------|
| 153326 | 4 | 3 | 10 | QSM-4-3 |
| 153327 | 6 | 4 | 10 | QSM-6-4 |

Tech Sheet 70492



Equal Bulkheads

| 0009 | OD mm | Quantity | Code |
|--------|-------|----------|--------|
| 153376 | 4 | 10 | QSMS-4 |
| 153377 | 6 | 10 | QSMS-6 |

Tech Sheet 70498



Equal Elbows

| 0009 | OD mm | Quantity | Code |
|--------|-------|----------|--------|
| 153344 | 4 | 10 | QSML-4 |
| 153345 | 6 | 10 | QSML-6 |

Tech Sheet 70493



Equal Tees

| 0009 | OD mm | Quantity | Code |
|--------|-------|----------|--------|
| 153366 | 4 | 10 | QSMT-4 |
| 153367 | 6 | 10 | QSMT-6 |

Tech Sheet 70494



Unequal Tees

| 0009 | OD mm | OD mm | Quantity | Code |
|--------|-------|-------|----------|----------|
| 153368 | 4 | 3 | 10 | QSMT-4-3 |
| 153369 | 6 | 4 | 10 | QSMT-6-4 |

Tech Sheet 70495



Equal Ys

| 0009 | OD mm | Quantity | Code |
|--------|-------|----------|--------|
| 153371 | 4 | 10 | QSMY-4 |
| 153372 | 6 | 10 | QSMY-6 |

Tech Sheet 70496



Unequal Ys

| 0009 | OD mm | OD mm | Quantity | Code |
|--------|-------|-------|----------|----------|
| 153373 | 4 | 3 | 10 | QSMY-4-3 |
| 153374 | 6 | 4 | 10 | QSMY-6-4 |

Tech Sheet 70497

Tube x Stem Connectors



Unequal Straights, Tube x Stem

| 0009 | ODmm | Stem OD mm | Quantity | Code |
|--------|------|------------|----------|----------|
| 153328 | 4 | 3 | 10 | QSM-4H-3 |
| 153329 | 6 | 4 | 10 | QSM-6H-4 |

Tech Sheet 70499



Equal Elbows, Tube x Stem

| 0009 | OD mm | Stem OD mm | Quantity | Code |
|--------|-------|------------|----------|---------|
| 153347 | 4 | 4 | 10 | QSML-4H |
| 153348 | 6 | 6 | 10 | QSML-6H |

Tech Sheet 70500



Unequal Elbows, Tube x Stem

| 0009 | OD mm | Stem OD mm | Quantity | Code |
|--------|-------|------------|----------|-----------|
| 153349 | 4 | 3 | 10 | QSML-4H-3 |
| 153350 | 6 | 4 | 10 | QSML-6H-4 |

Tech Sheet 70501

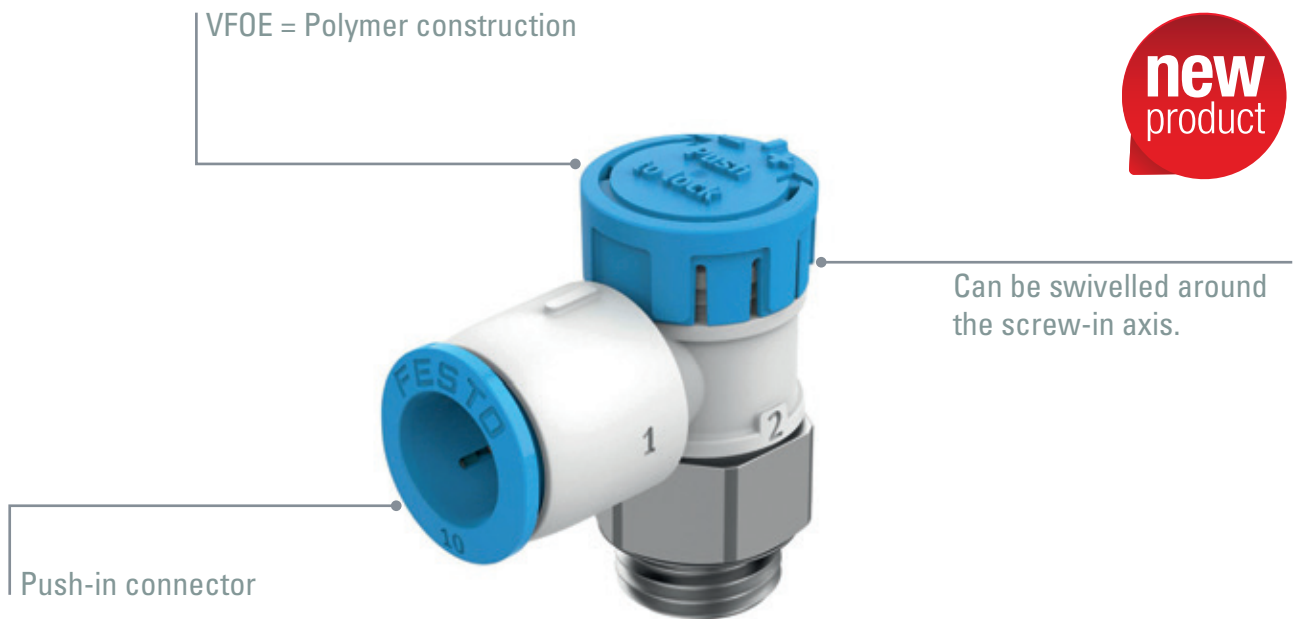
FLOW REGULATORS & FUNCTION FITTINGS

For the full range and more information, please contact one of our sales team.

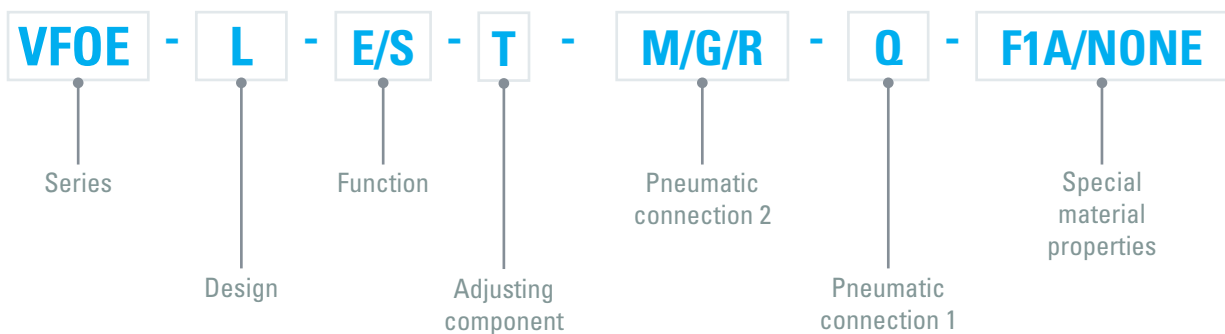
FLOW REGULATORS



Features



Product Description





One-way Flow Control Valves, Elbow Outlet

Ambient Temperature:
-10°C to +60°C

- Sturdy metal design
- Can be swivelled around the screw-in axis after mounting
- Push-in connector

Working Pressure:
0.2 to 10 bar

- Polymer design
- Can be rotated 360° around the screw-in axis after mounting/not permitted for continuous rotation
- Push-in connector

- Polymer design



Exhaust Control, Rotary Knob Detented, Metric & BSPP

| 0009 | OD mm | Thread | Manufacturer's Code |
|---------|-------|--------|---------------------|
| 8068723 | 4 | M5 | VFOE-LE-T-M5-Q4 |
| 8068724 | 6 | M5 | VFOE-LE-T-M5-Q6 |
| 8068725 | 4 | 1/8" | VFOE-LE-T-G18-Q4 |
| 8068726 | 6 | 1/8" | VFOE-LE-T-G18-Q6 |
| 8068727 | 8 | 1/8" | VFOE-LE-T-G18-Q8 |
| 8068728 | 6 | 1/4" | VFOE-LE-T-G14-Q6 |
| 8068729 | 8 | 1/4" | VFOE-LE-T-G14-Q8 |
| 8068732 | 10 | 3/8" | VFOE-LE-T-G38-Q10 |

Tech Sheet 71679

Exhaust Control, Rotary Knob Detented, BSPT

| 0009 | OD mm | Thread | Manufacturer's Code |
|---------|-------|--------|---------------------|
| 8068734 | 4 | 1/8" | VFOE-LE-T-R18-Q4 |
| 8068735 | 6 | 1/8" | VFOE-LE-T-R18-Q6 |
| 8068736 | 8 | 1/8" | VFOE-LE-T-R18-Q8 |

Tech Sheet 71679

- Polymer design



Supply Air One-way Detented Flow Control Function, BSPP

| 0009 | OD mm | Thread | Manufacturer's Code |
|---------|-------|--------|---------------------|
| 8068747 | 4 | 1/8" | VFOE-LS-T-G18-Q4 |
| 8068748 | 6 | 1/8" | VFOE-LS-T-G18-Q6 |
| 8068749 | 8 | 1/8" | VFOE-LS-T-G18-Q8 |

Supply Air One-way Detented, Flow Control Function, BSPT

| 0009 | OD mm | Thread | Manufacturer's Code |
|---------|-------|--------|---------------------|
| 8068750 | 4 | 1/8" | VFOE-LS-T-R18-Q4 |
| 8068751 | 6 | 1/8" | VFOE-LS-T-R18-Q6 |
| 8068752 | 8 | 1/8" | VFOE-LS-T-R18-Q8 |

- Sturdy metal design



Supply Control, Slotted Head Screw, Male Thread, Metric & BSPP x Push-in

| 0009 | OD mm | Thread | Manufacturer's Code |
|--------|-------|--------|---------------------|
| 193153 | 3 | M5 | GRLZ-M5-QS-3-D |
| 193156 | 3 | G1/8" | GRLZ-1/8-QS-3-D |
| 193154 | 4 | M5 | GRLZ-M5-QS-4-D |
| 193157 | 4 | G1/8" | GRLZ-1/8-QS-4-D |
| 193155 | 6 | M5 | GRLZ-M5-QS-6-D |
| 193158 | 6 | G1/8" | GRLZ-1/8-QS-6-D |
| 193159 | 8 | G1/8" | GRLZ-1/8-QS-8-D |

Tech Sheet 71232

- Sturdy metal design



Exhaust Control, Slotted Head Screw, Male Thread, Metric & BSPP x Push-in

| 0009 | OD mm | Thread | Manufacturer's Code |
|--------------|-------|--------|---------------------|
| 193137 | 3 | M5 | GRLA-M5-QS-3-D |
| 193142 | 3 | G1/8" | GRLA-1/8-QS-3-D |
| 193138 | 4 | M5 | GRLA-M5-QS-4-D |
| 193143 | 4 | G1/8" | GRLA-1/8-QS-4-D |
| 193139 | 6 | M5 | GRLA-M5-QS-6-D |
| 193144-FESTO | 6 | G1/8" | GRLA-1/8-QS-6-D |
| 193146 | 6 | G1/4" | GRLA-1/4-QS-6-D |
| 193149 | 6 | G3/8" | GRLA-3/8-QS-6-D |
| 193145 | 8 | G1/8" | GRLA-1/8-QS-8-D |
| 193147 | 8 | G1/4" | GRLA-1/4-QS-8-D |
| 193150 | 8 | G3/8" | GRLA-3/8-QS-8-D |
| 193148 | 10 | G1/4" | GRLA-1/4-QS-10-D |
| 193151 | 10 | G3/8" | GRLA-3/8-QS-10-D |
| 193152 | 12 | G1/2" | GRLA-1/2-QS-12-D |

Tech Sheet 71233

- Sturdy metal design



Exhaust Control, Knurled Screw, Male Thread, Metric & BSPP x Push-in

| 0009 | OD mm | Thread | Manufacturer's Code |
|--------|-------|--------|---------------------|
| 197576 | 3 | M5 | GRLA-M5-QS-3-RS-D |
| 197579 | 3 | G1/8" | GRLA-1/8-QS-3-RS-D |
| 197577 | 4 | M5 | GRLA-M5-QS-4-RS-D |
| 197580 | 4 | G1/8" | GRLA-1/8-QS-4-RS-D |
| 197578 | 6 | M5 | GRLA-M5-QS-6-RS-D |
| 197581 | 6 | G1/8" | GRLA-1/8-QS-6-RS-D |
| 534338 | 6 | G1/4" | GRLA-1/4-QS-6-RS-D |
| 534341 | 6 | G3/8" | GRLA-3/8-QS-6-RS-D |
| 534337 | 8 | G1/8" | GRLA-1/8-QS-8-RS-D |
| 534339 | 8 | G1/4" | GRLA-1/4-QS-8-RS-D |
| 534342 | 8 | G3/8" | GRLA-3/8-QS-8-RS-D |
| 534340 | 10 | G1/4" | GRLA-1/4-QS-10-RS-D |
| 534343 | 10 | G3/8" | GRLA-3/8-QS-10-RS-D |
| 534344 | 12 | G1/2" | GRLA-1/2-QS-12-RS-D |

Tech Sheet 71237

- Sturdy metal design



Medium Flow, Exhaust Control, Slotted Head Screw, Male Thread, Metric & BSPP x Push-in

| 0009 | OD mm | Thread | Manufacturer's Code |
|--------|-------|--------|---------------------|
| 537075 | 6 | G1/8" | GRLA-1/8-QS-6-MF-D |
| 537076 | 8 | G1/8" | GRLA-1/8-QS-8-MF-D |

Tech Sheet 71236

FUNCTION FITTINGS

Piloted Non-return Valves

- Controlled, piloted non-return function
- Manual exhausting
- Rotatable when installed
- Push-in fitting



Working Pressure:

0.5 to 10 bar

Pilot Pressure:

2 to 10 bar (M5, 1/8, 1/4)
1 to 10 bar (3/8, 1/2)



Ambient Temperature:

-10°C to +60°C



Male Thread, BSPP

| 0009 | Thread | Manufacturer's Code |
|--------|--------|---------------------|
| 530029 | M5 | HGL-M5-B |
| 530030 | G1/8" | HGL-1/8-B |
| 530031 | G1/4" | HGL-1/4-B |
| 530032 | G3/8" | HGL-3/8-B |
| 530033 | G1/2" | HGL-1/2-B |

Tech Sheet 71243



Male Thread BSPP x Push-in

| 0009 | OD mm | Thread | Manufacturer's Code |
|--------|-------|--------|---------------------|
| 530038 | 4 | M5 | HGL-M5-QS-4 |
| 530039 | 4 | G1/8" | HGL-1/8-QS-4 |
| 530040 | 6 | G1/8" | HGL-1/8-QS-6 |
| 530041 | 8 | G1/4" | HGL-1/4-QS-8 |
| 530043 | 8 | G3/8" | HGL-3/8-QS-8 |
| 530042 | 10 | G1/4" | HGL-1/4-QS-10 |
| 530044 | 10 | G3/8" | HGL-3/8-QS-10 |
| 530045 | 12 | G1/2" | HGL-1/2-QS-12 |

Tech Sheet 71242

FESTO



Differential Pressure Regulator

- Constant differential pressure between input and output
- Cuts energy usage on cylinder return stroke approx 20%
- Connecting thread M5, R1/8, R1/4, R3/8, R1/2
- Push-in connector for tubing OD 4, 6, 8, 10, 12mm
- Rotatable 360 degrees

new product



Energy Saving Regulator LRL, LLLL

| 0010 | Thread | Outlet Port | Type |
|--------|--------|-------------|---------------|
| 153510 | M5 | Top | LRL-M5-QS-4 |
| 153512 | M5 | Top | LRL-M5-QS-6 |
| 153511 | 1/8" | Top | LRL-1/8-QS-4 |
| 153513 | 1/8" | Top | LRL-1/8-QS-6 |
| 153515 | 1/8" | Top | LRL-1/8-QS-8 |
| 153514 | 1/4" | Top | LRL-1/4-QS-6 |
| 153516 | 1/4" | Top | LRL-1/4-QS-8 |
| 153518 | 1/4" | Top | LRL-1/4-QS-10 |
| 153517 | 3/8" | Top | LRL-3/8-QS-8 |
| 153519 | 3/8" | Top | LRL-3/8-QS-10 |
| 153520 | 3/8" | Top | LRL-3/8-QS-12 |
| 153521 | 1/2" | Top | LRL-1/2-QS-12 |
| 153498 | M5 | Side | LRL-M5-QS-4 |
| 153500 | M5 | Side | LRL-M5-QS-6 |
| 153499 | 1/8" | Side | LRL-1/8-QS-4 |
| 153501 | 1/8" | Side | LRL-1/8-QS-6 |
| 153503 | 1/8" | Side | LRL-1/8-QS-8 |
| 153502 | 1/4" | Side | LRL-1/4-QS-6 |
| 153504 | 1/4" | Side | LRL-1/4-QS-8 |
| 153506 | 1/4" | Side | LRL-1/4-QS-10 |
| 153505 | 3/8" | Side | LRL-3/8-QS-8 |
| 153507 | 3/8" | Side | LRL-3/8-QS-10 |
| 153508 | 3/8" | Side | LRL-3/8-QS-12 |
| 153509 | 1/2" | Side | LRL-1/2-QS-12 |

More variants available online

FESTO

You might also need
SFAB Series Flow Sensors
 see page 427



55000 SERIES, 20 BAR RATED



Working Temperature:
-20°C to +80°C

Maximum Working Pressure:
20 bar

BSPT in conformity with ISO 7.1, BS 21, DIN 2999.

BSPP in conformity with ISO 228 Class A.

Metric in conformity with ISO R/262.

Fittings with "Short" tapered thread allow assembly with tapered as well as parallel threads (BSPT, NPT and BSPP) and have reduced overall height.2

Straight Male Adaptors

This is a Taper Thread designed so that it's suitable for BSPT, BSPP, NPTF and Metric.



Universal Short Thread Type

| 1020 | OD mm | Thread |
|------------|-------|--------|
| 5500000001 | 4 | 1/8" |
| 5500000013 | 4 | 1/4" |
| 5500000002 | 5 | 1/8" |
| 5500000003 | 5 | 1/4" |
| 5500000004 | 6 | 1/8" |
| 5500000005 | 6 | 1/4" |
| 5500000014 | 6 | 3/8" |
| 5500000015 | 6 | 1/2" |
| 5500000006 | 8 | 1/8" |
| 5500000007 | 8 | 1/4" |
| 5500000008 | 8 | 3/8" |
| 5500000016 | 8 | 1/2" |
| 5500000009 | 10 | 1/4" |
| 5500000010 | 10 | 3/8" |
| 5500000017 | 10 | 1/2" |
| 5500000011 | 12 | 1/4" |
| 5500000012 | 12 | 3/8" |
| 5500000018 | 12 | 1/2" |
| 5500000019 | 14 | 3/8" |
| 5500000020 | 14 | 1/2" |

Tech Sheet 10709



(Round Body) BSPT

| 1020 | OD mm | Thread |
|------------|-------|--------|
| 5501000001 | 4 | 1/8" |
| 5501000002 | 6 | 1/8" |
| 5501000003 | 6 | 1/4" |
| 5501000004 | 8 | 1/8" |
| 5501000005 | 8 | 1/4" |

Tech Sheet 10709



(Hex Body) Metric & BSPP

| 1020 | OD mm | Thread |
|------------|-------|------------|
| 5002000N01 | 4 | M5 |
| 5002000N02 | 4 | 1/8" |
| 5002000N22 | 4 | 1/4" |
| 5002000N18 | 5 | M5 |
| 5002000N19 | 5 | 1/8" |
| 5002000N20 | 6 | M5 |
| 5002000N12 | 6 | M12 x 1 |
| 5002000N13 | 6 | M12 x 1.25 |
| 5002000N14 | 6 | M12 x 1.5 |
| 5002000N03 | 6 | 1/8" |
| 5002000N04 | 6 | 1/4" |
| 5002000N27 | 6 | 3/8" |
| 5002000N28 | 6 | 1/2" |
| 5002000N17 | 8 | M12 x 1.5 |
| 5002000N05 | 8 | 1/8" |
| 5002000N06 | 8 | 1/4" |
| 5002000N07 | 8 | 3/8" |
| 5002000N29 | 8 | 1/2" |
| 5002000N08 | 10 | 1/4" |
| 5002000N09 | 10 | 3/8" |
| 5002000N31 | 10 | 1/2" |
| 5002000N32 | 12 | 1/4" |
| 5002000N11 | 12 | 3/8" |
| 5002000N23 | 12 | 1/2" |
| 5002000N24 | 14 | 3/8" |
| 5002000N25 | 14 | 1/2" |

Tech Sheet 10709

Straight Female Adaptors



(Hex Body) Metric & BSPT

| 1020 | OD mm | Thread |
|------------|-------|--------|
| 5003000N08 | 4 | M5 |
| 5003000N01 | 4 | 1/8" |
| 5003000N09 | 4 | 1/4" |
| 5003000N06 | 5 | 1/8" |
| 5003000N02 | 6 | 1/8" |
| 5003000N03 | 6 | 1/4" |
| 5003000N04 | 8 | 1/8" |
| 5003000N05 | 8 | 1/4" |
| 5003000N10 | 8 | 3/8" |
| 5003000N11 | 10 | 1/4" |
| 5003000N12 | 10 | 3/8" |
| 5003000N13 | 10 | 1/2" |
| 5003000N14 | 12 | 3/8" |
| 5003000N15 | 12 | 1/2" |

Tech Sheet 10709

Bulkhead Connectors



Tube x Tube

| 1020 | OD mm |
|------------|-------|
| 5005000N01 | 4 |
| 5005000N06 | 5 |
| 5005000N02 | 6 |
| 5005000N03 | 8 |
| 5005000N04 | 10 |
| 5005000N05 | 12 |

Tech Sheet 10709

55000 SERIES METAL BODY PUSH-IN FITTINGS



Working Temperature:
-20°C to +80°C



Maximum Working Pressure:
20 bar

Parallel gas in conformity with ISO 228 Class A
Metric in conformity with ISO R/262

Straight Connectors



Equal Straight Connectors

| 1020 | OD mm |
|----------|-------|
| 55040-4 | 4 |
| 55040-5 | 5 |
| 55040-6 | 6 |
| 55040-8 | 8 |
| 55040-10 | 10 |
| 55040-12 | 12 |
| 55040-14 | 14 |

Tech Sheet 10709

Unequal Straight Connectors

| 1020 | OD mm | OD mm |
|-------------|-------|-------|
| 55040-6-4 | 6 | 4 |
| 55040-8-6 | 8 | 6 |
| 55040-10-8 | 10 | 8 |
| 55040-12-10 | 12 | 10 |
| 55040-10-6 | 10 | 6 |

Tech Sheet 10709

Male Swivel Elbows

This is a taper thread designed so that its suitable for BSPT, BSPP, NPTF and metric.



Universal Short Thread Type

| 1020 | OD mm | Thread |
|--------------|-------|--------|
| 55111-4-1/8 | 4 | 1/8" |
| 55111-4-1/4 | 4 | 1/4" |
| 55111-5-1/8 | 5 | 1/8" |
| 55111-6-1/2 | 6 | 1/2" |
| 55111-6-1/8 | 6 | 1/8" |
| 55111-6-1/4 | 6 | 1/4" |
| 55111-6-3/8 | 6 | 3/8" |
| 55111-8-1/8 | 8 | 1/8" |
| 55111-8-1/4 | 8 | 1/4" |
| 55111-8-3/8 | 8 | 3/8" |
| 55111-8-1/2 | 8 | 1/2" |
| 55111-10-1/4 | 10 | 1/4" |
| 55111-10-3/8 | 10 | 3/8" |
| 55111-10-1/2 | 10 | 1/2" |
| 55111-12-1/4 | 12 | 1/4" |
| 55111-12-3/8 | 12 | 3/8" |
| 55111-12-1/2 | 12 | 1/2" |
| 55111-14-3/8 | 14 | 3/8" |
| 55111-14-1/2 | 14 | 1/2" |

Tech Sheet 10709



Metric & BSPP

| 1020 | OD mm | Thread |
|----------------|-------|----------|
| 55116-4-M3X0.5 | 4 | M3 x 0.5 |
| 55116-4-M5 | 4 | M5 |
| 55116-4-M7X1 | 4 | M7 x 1 |
| 55116-4-1/8 | 4 | 1/8" |
| 55116-4-1/4 | 4 | 1/4" |
| 55116-5-M5 | 5 | M5 |
| 55116-5-1/8 | 5 | 1/8" |
| 55116-6-M5 | 6 | M5 |
| 55116-6-1/8 | 6 | 1/8" |
| 55116-6-1/4 | 6 | 1/4" |
| 55116-6-3/8 | 6 | 3/8" |
| 55116-6-1/2 | 6 | 1/2" |
| 55116-8-1/8 | 8 | 1/8" |
| 55116-8-1/4 | 8 | 1/4" |
| 55116-8-3/8 | 8 | 3/8" |
| 55116-8-1/2 | 8 | 1/2" |
| 55116-10-1/4 | 10 | 1/4" |
| 55116-10-3/8 | 10 | 3/8" |
| 55116-10-1/2 | 10 | 1/2" |
| 55116-12-1/4 | 12 | 1/4" |
| 55116-12-3/8 | 12 | 3/8" |
| 55116-12-1/2 | 12 | 1/2" |
| 55116-14-3/8 | 14 | 3/8" |
| 55116-14-1/2 | 14 | 1/2" |

Tech Sheet 10709

Elbow Connectors



Equal Elbow Connectors

| 1020 | OD mm |
|----------|-------|
| 55130-4 | 4 |
| 55130-5 | 5 |
| 55130-6 | 6 |
| 55130-8 | 8 |
| 55130-10 | 10 |
| 55130-12 | 12 |
| 55130-14 | 14 |

Tech Sheet 10709



Equal Stem Elbows

| 1020 | OD mm |
|----------|-------|
| 55140-4 | 4 |
| 55140-6 | 6 |
| 55140-8 | 8 |
| 55140-10 | 10 |
| 55140-12 | 12 |

Tech Sheet 10709

Reducing Stem Elbows

| 1020 | OD mm | Stem OD mm |
|-------------|-------|------------|
| 55140-4-6 | 4 | 6 |
| 55140-6-4 | 6 | 4 |
| 55140-8-10 | 8 | 10 |
| 55140-10-12 | 10 | 12 |

Tech Sheet 10709



For **PRO3**
see page **420**

55000 SERIES, 20 BAR RATED



Working Temperature:
-20°C to +80°C

Maximum Working Pressure: 20 bar
Vacuum: -0.99 bar

Parallel gas in conformity with ISO 228 Class A
Metric in conformity with ISO R/262

Fittings with "Universal Short" thread are suitable for both taper as well as parallel threads like NPT, NPTF, BSPP and BSPT

Tee Connectors



Equal Tees

| 1020 | OD mm |
|----------|-------|
| 55230-4 | 4 |
| 55230-5 | 5 |
| 55230-6 | 6 |
| 55230-8 | 8 |
| 55230-10 | 10 |
| 55230-12 | 12 |
| 55230-14 | 14 |

Tech Sheet 10709



Equal Stem Tees

| 1020 | OD mm |
|----------|-------|
| 55240-4 | 4 |
| 55240-6 | 6 |
| 55240-8 | 8 |
| 55240-10 | 10 |
| 55240-12 | 12 |

Tech Sheet 10709



Reducing Stem Tees

| 1020 | OD mm | Stem OD mm |
|-------------|-------|------------|
| 55240-4-6 | 4 | 6 |
| 55240-6-4 | 6 | 4 |
| 55240-8-10 | 8 | 10 |
| 55240-10-12 | 10 | 12 |

Tech Sheet 10709

Y Connectors



Equal Y Connectors

| 1020 | OD mm |
|----------|-------|
| 55310-4 | 4 |
| 55310-6 | 6 |
| 55310-8 | 8 |
| 55310-10 | 10 |
| 55310-12 | 12 |

Tech Sheet 10709

In-line Manifolds



Reducing, Tube x Tube

| 1020 | OD mm | OD mm |
|------------|-------|-------|
| 55350-6-4 | 6 | 4 |
| 55350-8-4 | 8 | 4 |
| 55350-8-6 | 8 | 6 |
| 55350-10-6 | 10 | 6 |
| 55350-10-8 | 10 | 8 |

Tech Sheet 10709

Double Y Connectors



Tube x Tube, Reducing

| 1020 | OD mm | OD mm |
|-----------|-------|-------|
| 55330-4-4 | 4 | 4 |
| 55330-4-6 | 6 | 4 |
| 55330-6-6 | 6 | 6 |
| 55330-6-8 | 8 | 6 |

Tech Sheet 10709



Tube x Male Thread, Universal, BSPT, BSPP & NPT

| 1020 | OD mm | Thread |
|-------------|-------|--------|
| 55340-4-1/8 | 4 | 1/8" |
| 55340-4-1/4 | 4 | 1/4" |
| 55340-6-1/8 | 6 | 1/8" |
| 55340-6-1/4 | 6 | 1/4" |

Tech Sheet 10709



Tube x Male Thread, BSPP

| 1020 | OD mm | Thread |
|-------------|-------|--------|
| 55345-4-1/8 | 4 | 1/8" |
| 55345-4-1/4 | 4 | 1/4" |
| 55345-6-1/8 | 6 | 1/8" |
| 55345-6-1/4 | 6 | 1/4" |

Tech Sheet 10709

Banjos



Single Body, Metric & BSPP

| 1020 | OD mm | Thread |
|--------------|-------|--------|
| 55500-4-M5 | 4 | M5 |
| 55500-4-M6 | 4 | M6 |
| 55500-4-1/8 | 4 | 1/8" |
| 55500-5-M5 | 5 | M5 |
| 55500-5-M6 | 5 | M6 |
| 55500-5-1/8 | 5 | 1/8" |
| 55500-5-1/4 | 5 | 1/4" |
| 55500-6-M5 | 6 | M5 |
| 55500-6-M6 | 6 | M6 |
| 55500-6-1/8 | 6 | 1/8" |
| 55500-6-1/4 | 6 | 1/4" |
| 55500-8-1/8 | 8 | 1/8" |
| 55500-8-1/4 | 8 | 1/4" |
| 55500-8-3/8 | 8 | 3/8" |
| 55500-10-3/8 | 10 | 3/8" |
| 55500-12-3/8 | 12 | 3/8" |
| 55500-12-1/2 | 12 | 1/2" |

Tech Sheet 10709



Double Banjo Body, Metric & BSPP

| 1020 | OD mm | Thread |
|-------------|-------|--------|
| 55510-4-M5 | 4 | M5 |
| 55510-5-1/8 | 5 | 1/8" |
| 55510-5-1/4 | 5 | 1/4" |
| 55510-6-1/8 | 6 | 1/8" |
| 55510-6-1/4 | 6 | 1/4" |
| 55510-8-1/8 | 8 | 1/8" |
| 55510-8-1/4 | 8 | 1/4" |

Tech Sheet 10709

55000 SERIES, 20 BAR RATED



Banjo Bolts



Single, Metric & BSPP

| 1020 | Thread |
|---------------|-----------|
| 55410-M5 | M5 |
| 55410-M6 | M6 |
| 55410-1/8 | 1/8" |
| 55410-1/4 | 1/4" |
| 55410-3/8 | 3/8" |
| 55410-1/2 | 1/2" |
| 55410-M12X1.5 | M12 x 1.5 |

Tech Sheet 10709



Double, BSPP

| 1020 | Thread |
|-----------|--------|
| 55420-1/8 | 1/8" |
| 55420-1/4 | 1/4" |
| 55420-3/8 | 3/8" |
| 55420-1/2 | 1/2" |

Tech Sheet 10709



Triple, BSPP

| 1020 | Thread |
|-----------|--------|
| 55430-1/8 | 1/8" |
| 55430-1/4 | 1/4" |
| 55430-3/8 | 3/8" |
| 55430-1/2 | 1/2" |

Tech Sheet 10709

56000 SERIES - MINIATURE PUSH-IN FITTINGS



Working Temperature:
-20 to 80

Maximum Working Pressure: 20 bar (290 psi)

Vacuum: -0.99 bar

Male Studs



Male Thread, Metric

| 1020 | OD mm | Thread |
|----------|-------|--------|
| MP1-2-M3 | 2 | M3 |
| MP1-2-M5 | 2 | M5 |
| MP1-3-M3 | 3 | M3 |
| MP1-3-M5 | 3 | M5 |

Tech Sheet 984

Swivel Male Stud Elbow



Male Thread, Metric

| 1020 | OD mm | Thread |
|----------|-------|--------|
| MP7-2-M3 | 2 | M3 |
| MP7-2-M5 | 2 | M5 |
| MP7-3-M3 | 3 | M3 |
| MP7-3-M5 | 3 | M5 |

Tech Sheet 984

Swivel Tee Male Centre Leg



Male Thread, Metric

| 1020 | OD mm | Thread |
|-----------|-------|--------|
| MP12-3-M5 | 3 | M5 |

Tech Sheet 984



For **Quick Couplings for Plastic Injection Moulding**
see page 391



METRIC PUSH-IN FITTINGS, TECHNOPOLYMER

Straight Connector



Tube x Tube

| 9151 | Tube OD mm |
|---------|------------|
| 2019001 | 4 |
| 2019002 | 5 |
| 2019003 | 6 |
| 2019004 | 8 |
| 2019005 | 10 |
| 2019006 | 12 |

Equal Elbow



Tube x Tube

| 9151 | Tube OD mm |
|---------|------------|
| 2L21001 | 4 |
| 2021002 | 5 |
| 2L21003 | 6 |
| 2L21004 | 8 |
| 2021005 | 10 |
| 2021006 | 12 |

Equal Tee



Tube x Tube

| 9151 | Tube OD mm |
|---------|------------|
| 2L22001 | 4 |
| 2022002 | 5 |
| 2L22003 | 6 |
| 2L22004 | 8 |
| 2022005 | 10 |
| 2022006 | 12 |

Male Stud Swivel Elbow



BSP Parallel x Tube

| 9151 | Thread BSPP | Tube OD mm |
|---------|-------------|------------|
| 2L34001 | M5 | 4 |
| 2L34002 | G1/8" | 4 |
| 2L34003 | G1/4" | 4 |
| 2L34006 | M5 | 6 |
| 2L34007 | G1/8" | 6 |
| 2L34008 | G1/4" | 6 |
| 2L34009 | G1/8" | 8 |
| 2L34010 | G1/4" | 8 |
| 2L34011 | G3/8" | 8 |
| 2L34013 | G1/4" | 10 |
| 2L34014 | G3/8" | 10 |
| 2L34016 | G3/8" | 12 |
| 2L34017 | G1/2" | 12 |

Female Stud Swivel Elbow



BSP Parallel x Tube

| 9151 | Thread BSPP | Tube OD mm |
|---------|-------------|------------|
| 2L34F01 | M5 | 4 |
| 2L34F06 | M5 | 6 |
| 2L34F05 | G1/8" | 4 |
| 2L34F07 | G1/8" | 6 |
| 2L34F08 | G1/4" | 6 |
| 2L34F09 | G1/8" | 8 |
| 2L34F10 | G1/4" | 8 |

Plug



Stem

| 9151 | Tube OD mm |
|---------|------------|
| 2L10001 | 4 |
| 2010002 | 5 |
| 2L10003 | 6 |
| 2L10004 | 8 |
| 2L10005 | 10 |
| 2L10006 | 12 |
| 2010007 | 14 |

Male Stud Swivel Tee



BSP Parallel x Tube

| 9151 | Thread BSPP | Tube OD mm |
|---------|-------------|------------|
| 2L35001 | M5 | 4 |
| 2L35002 | G1/8" | 4 |
| 2L35003 | G1/4" | 4 |
| 2L35006 | M5 | 6 |
| 2L35007 | G1/8" | 6 |
| 2L35008 | G1/4" | 6 |
| 2L35009 | G1/8" | 8 |
| 2L35010 | G1/4" | 8 |
| 2L35011 | G3/8" | 8 |
| 2L35013 | G1/4" | 10 |
| 2L35014 | G3/8" | 10 |
| 2L35016 | G3/8" | 12 |
| 2L35017 | G1/2" | 12 |

Equal Y



Tube x Tube

| 9151 | Tube OD mm |
|---------|------------|
| 2023001 | 4 |
| 2023002 | 5 |
| 2023003 | 6 |
| 2023004 | 8 |
| 2L23005 | 10 |
| 2L23006 | 12 |

Male Stud Y



BSP Parallel x Tube

| 9151 | Thread BSPP | Tube OD mm |
|---------|-------------|------------|
| 2L23402 | G1/8" | 4 |
| 2L23403 | G1/4" | 4 |
| 2L23406 | G1/8" | 6 |
| 2L23407 | G1/4" | 6 |
| 2L23409 | G1/8" | 8 |
| 2L23410 | G1/4" | 8 |
| 2L23412 | G3/8" | 8 |

METRIC PUSH-IN FITTINGS, TECHNOPOLYMER

Y Stem



Stem x Tube

| 9151 | OD mm Stem | OD mm Tube |
|---------|------------|------------|
| 2024001 | 4 | 4 |
| 2024003 | 6 | 6 |
| 2L24004 | 8 | 8 |
| 2L24005 | 10 | 10 |
| 2L24006 | 12 | 12 |

Y Elbow



BSP Parallel x Tube

| 9151 | Thread BSPP | Tube OD mm |
|---------|-------------|------------|
| 2L25003 | G1/8" | 4 |
| 2L25004 | G1/8" | 6 |
| 2L25005 | G1/4" | 6 |
| 2L25008 | G1/4" | 8 |
| 2L25009 | G3/8" | 8 |

Plug-in Elbow



Stem x Tube

| 9151 | Stem OD mm | Tube OD mm |
|---------|------------|------------|
| 2L46001 | 4 | 4 |
| 2L46002 | 6 | 6 |
| 2L46003 | 8 | 8 |
| 2L46004 | 10 | 10 |

Distribution Fitting



Tube x Tube

| 9151 | Tube OD mm A | Tube OD mm B |
|---------|--------------|--------------|
| 2L42001 | 4 | 4 |
| 2L42002 | 6 | 4 |
| 2L42004 | 6 | 6 |
| 2L42005 | 8 | 6 |

Distribution Fitting



BSP Parallel x Tube

| 9151 | Thread BSPP | Tube OD mm |
|---------|-------------|------------|
| 2L43001 | M5 | 4 |
| 2L43002 | G1/8" | 4 |
| 2L43003 | G1/4" | 4 |
| 2L43008 | G1/8" | 6 |
| 2L43009 | G1/4" | 6 |

Tube Removal Tool



For use with Push-in Fittings

| 9150 | To Suit Tube mm |
|---------|-----------------|
| 2017001 | 4-14 |

Aluminium Distribution Manifold



BSP Parallel x Tube Inlet Ports

| 9185 | BSPP Inlet Thread | Tube OD mm | Outlets |
|---------|-------------------|------------|---------|
| 7304106 | G1/8" | 4 | 6 |
| 7304112 | G1/8" | 4 | 12 |
| 7306206 | G1/4" | 6 | 6 |
| 7306212 | G1/4" | 6 | 12 |
| 7308306 | G3/8" | 8 | 6 |
| 7308312 | G3/8" | 8 | 12 |

For Round RNDC Cylinders
see page 538




















PUSH-IN FITTINGS KITS



A convenient range of Metal Work push-in fittings in a kit. Comprising of seventeen removable compartments. These are contained in a hand carry case measuring 57mm deep x 340mm long x 265mm wide, made from tough polypropylene, with a clear view plastic hinged lid, sliding locks and carry handle. There are four pneumatic push-in fittings kits available: 4mm, 6mm 8mm and a 6/8mm combination.




















| | | | | | |
|---|--|--|--|--|--|
|  5 x M5-4MM Male Stud |  5 x M5-4MM Stem Adaptor |  2 x 4-14MM Tool |  3 x 4MM Bulkhead |  2 x M5-4 Swivel Elbow |  2 x G1/8-4 Swivel Elbow |
|  5 x G1/8-4MM Male Stud |  5 x G1/8-4MM Stem Adaptor | | |  3 x 4/6 Enlarger |  5 x 4MM Plug |
|  5 x G1/4-4MM Male Stud |  5 x G1/4-4MM Stem Adaptor |  5 x 4MM Joiner |  5 x 4MM Equal Elbow |  5 x 4MM Equal Tee | |
|  3 x G1/8-4MM Female Stud |  3 x G1/4-4MM Female Stud | | | | |

Push-in Fittings Kit

4mm Outside Diameter


















| 9153 | Description |
|------------|-------------|
| HANDYFIT-4 | Assorted |

| | | | | | |
|---|--|--|--|--|--|
|  5 x M5-6MM Male Stud |  5 x M5-6MM Stem Adaptor |  2 x 4-14MM Tool |  3 x 6MM Bulkhead |  2 x G1/8-6 Swivel Elbow |  2 x G1/4-6 Swivel Elbow |
|  5 x G1/8-6MM Male Stud |  5 x G1/8-6MM Stem Adaptor | | |  3 x 6/4 Reducer |  5 x 6MM Plug |
|  5 x G1/4-6MM Male Stud |  5 x G1/4-6MM Stem Adaptor |  5 x 6MM Joiner |  5 x 6MM Equal Elbow |  5 x 6MM Equal Tee | |
|  3 x G1/8-6MM Female Stud |  3 x G1/4-6MM Female Stud | | | | |

Push-in Fittings Kit

6mm Outside Diameter


















| 9153 | Description |
|------------|-------------|
| HANDYFIT-6 | Assorted |

| | | | | | |
|---|---|--|--|--|--|
|  5 x G1/8-8MM Male Stud |  5 x G1/8-8MM Stem Adaptor |  2 x 4-14MM Tool |  3 x 8MM Bulkhead |  2 x G1/8-8 Swivel Elbow |  2 x G1/4-8 Swivel Elbow |
|  5 x G1/4-8MM Male Stud |  5 x G1/4-8MM Stem Adaptor | | |  3 x 8/6 Reducer |  5 x 8MM Plug |
|  5 x G3/8-8MM Male Stud |  5 x G3/8-8MM Stem Adaptor |  5 x 8MM Joiner |  5 x 8MM Equal Elbow |  5 x 8MM Equal Tee | |
|  3 x G1/8-8MM Female Stud |  3 x G1/4-8MM Female Stud | | | | |

Push-in Fittings Kit

8mm Outside Diameter

| 9153 | Description |
|------------|-------------|
| HANDYFIT-8 | Assorted |

| | | | | | |
|---|---|--|--|--|--|
|  5 x G1/8-8MM Male Stud |  5 x G1/8-8MM Stem Adaptor |  5 x 6MM Equal Tee |  5 x 8MM Equal Tee |  3 x 6mm Joiner |  3 x 8mm Joiner |
|  5 x G1/4-8MM Male Stud |  5 x G1/4-8MM Stem Adaptor | | |  3 x 6/4 Reducer |  3 x 8/6 Reducer |
|  5 x G1/8-8MM Male Stud |  5 x G1/8-8MM Stem Adaptor |  5 x 6MM Equal Elbow |  5 x 8MM Equal Elbow |  2 x 4-14MM Tool | |
|  5 x G1/4-8MM Male Stud |  5 x G1/4-8MM Stem Adaptor | | | | |

Push-in Fittings Kit

6mm & 8mm Outside Diameter

| 9153 | Description |
|--------------|-------------|
| HANDYFIT-6/8 | Assorted |

FLOW MICRO-REGULATORS


MFR Compact 'O' Threaded Brass Ring

Technical Features

- The job of flow micro-regulators is to regulate speed in the pneumatic cylinders. The configuration of both type C (to be mounted on the cylinder inlet) and type V (to be mounted on the valve port) is such as to ensure full flow on feed and regulated flow on charge. Type B (bidirectional) can be used to regulate the flow both on feed and discharge. Flow micro-regulators are divided into 4 series:
- MRF Compact 'O': Can be adjusted using a screwdriver; the regulation pin is lubricated with a particular anti-vibration grease; it has reduced dimensions and fine adjustment in the first turns; adjustment can be prevented by assembling a disposable cap (supplied separately) that can be removed using a tool.
- MRF Compact 'N': Can be adjusted using the knob and/or screwdriver; adjustment can be prevented by tightening the ring nut; it has the same regulation curve as those in series 'O'.

Main Features

- Reduced dimensions
- Excellent regulation
- Regulation with a screwdriver and disposable anti-tampering cap (Compact 'O')
- Regulation with either a screwdriver and/or a knob, can be fixed with a ring nut (Compact 'N')
- Available in all sizes (from M5 to 1/2") with a brass or a technopolymer ring
- Can be mounted with an automatic screwdriver
- Comes with a ring that can rotate even with the MRF mounted in position

-  **Working Temperature Range:**
 -10°C to +70°C (Brass Ring)
 -10°C to +50°C (Technopolymer Ring)

-  **Maximum Working Pressure:**
 10 bar



Type C to Suit Cylinder

| 9148 | Thread BSPT | Tube OD mm |
|----------|-------------|------------|
| 9001001C | M5 | 4 |
| 9001002C | M5 | 5 |
| 9001007C | M5 | 6 |
| 9001011C | R1/8" | 4 |
| 9001012C | R1/8" | 5 |

Type V to Suit Valves

| 9148 | Thread BSPT | Tube OD mm |
|----------|-------------|------------|
| 9001101V | R1/8" | 6 |
| 9001103V | R1/8" | 8 |
| 9001102V | R1/4" | 6 |
| 9001104V | R1/4" | 8 |
| 9001115V | R3/8" | 8 |

Type B Bidirectional to Suit Cylinder & Valves

| 9148 | Thread BSPT | Tube OD mm |
|----------|-------------|------------|
| 9001609B | R1/4" | 10 |
| 9001623B | R1/4" | 12 |
| 9001610B | R3/8" | 10 |
| 9001624B | R3/8" | 12 |
| 9001625B | R1/2" | 12 |

MRF Compact 'O' Threaded Brass Ring, Imperial



Type C to suit Cylinder

| 9148 | Thread BSPT | Tube OD |
|----------|-------------|---------|
| 9001020C | R1/8" | 1/8" |
| 9001021C | R1/4" | 1/4" |
| 9001022C | R3/8" | 3/8" |

Type B Bidirectional to suit Cylinders & Valves

| 9148 | Thread BSPT | Tube OD |
|----------|-------------|---------|
| 9001620B | R1/8" | 1/8" |
| 9001621B | R1/4" | 1/4" |
| 9001622B | R3/8" | 3/8" |

Type V to suit Valves

| 9148 | Thread BSPT | Tube OD |
|----------|-------------|---------|
| 9001120V | R1/8" | 1/8" |
| 9001121V | R1/4" | 1/4" |
| 9001122V | R3/8" | 3/8" |

Accessories for MRF Compact 'O'



Anti-tampering Cap

| 9148 | To Fit Thread BSPT |
|---------|--------------------|
| 9090001 | M5 |
| 9090002 | R1/8" - R1/4" |
| 9090003 | R3/8" - R1/2" |

MRF Compact 'O' Technopolymer Ring



Type C to suit Cylinder

| 9148 | Thread BSPT | Tube OD mm |
|----------|-------------|------------|
| 9011001C | M5 | 4 |
| 9011007C | M5 | 6 |
| 9011011C | R1/8" | 4 |
| 9011003C | R1/8" | 6 |
| 9011005C | R1/8" | 8 |
| 9011004C | R1/4" | 6 |
| 9011006C | R1/4" | 8 |
| 9011008C | R1/4" | 10 |
| 9011014C | R1/4" | 12 |
| 9011009C | R3/8" | 10 |
| 9011015C | R3/8" | 12 |
| 9011016C | R1/2" | 12 |

Type V to suit Valves

| 9148 | Thread BSPT | Tube OD mm |
|----------|-------------|------------|
| 9011110V | M5 | 4 |
| 9011105V | M5 | 6 |
| 9011111V | R1/8" | 4 |
| 9011101V | R1/8" | 6 |
| 9011103V | R1/8" | 8 |
| 9011102V | R1/4" | 6 |
| 9011104V | R1/4" | 8 |
| 9011106V | R1/4" | 10 |
| 9011123V | R1/4" | 12 |
| 9011114V | R3/8" | 10 |
| 9011124V | R3/8" | 12 |
| 9011125V | R1/2" | 12 |

Type B Bidirectional to suit Cylinders & Valves

| 9148 | Thread BSPT | Tube OD mm |
|----------|-------------|------------|
| 9011601B | M5 | 4 |
| 9011612B | M5 | 6 |
| 9011602B | R1/8" | 4 |
| 9011605B | R1/8" | 6 |
| 9011607B | R1/8" | 8 |
| 9011606B | R1/4" | 6 |
| 9011608B | R1/4" | 8 |
| 9011609B | R1/4" | 10 |
| 9011623B | R1/4" | 12 |
| 9011610B | R3/8" | 10 |
| 9011624B | R3/8" | 12 |
| 9011625B | R1/2" | 12 |

FLOW MICRO-REGULATORS

MRF Compact 'N' Brass Ring



Type C to suit Cylinder

| 9148 | Thread BSPT | Tube OD mm |
|----------|-------------|------------|
| 9031001C | M5 | 4 |
| 9031003C | M5 | 5 |
| 9031005C | M5 | 6 |
| 9031002C | R1/8" | 4 |
| 9031004C | R1/8" | 5 |
| 9031006C | R1/8" | 6 |
| 9031008C | R1/8" | 8 |
| 9031007C | R1/4" | 6 |
| 9031009C | R1/4" | 8 |
| 9031010C | R3/8" | 8 |
| 9031011C | R1/4" | 10 |
| 9031014C | R1/4" | 12 |
| 9031012C | R3/8" | 10 |
| 9031015C | R3/8" | 12 |
| 9031016C | 1/2" | 12 |

Type V to suit Valves

| 9148 | Thread BSPT | Tube OD mm |
|----------|-------------|------------|
| 9031101V | M5 | 4 |
| 9031103V | M5 | 5 |
| 9031105V | M5 | 6 |
| 9031102V | R1/8" | 4 |
| 9031104V | R1/8" | 5 |
| 9031106V | R1/8" | 6 |
| 9031108V | R1/8" | 8 |
| 9031107V | R1/4" | 6 |
| 9031109V | R1/4" | 8 |
| 9031110V | R3/8" | 8 |
| 9031111V | R1/4" | 10 |
| 9031114V | R1/4" | 12 |
| 9031112V | R3/8" | 10 |
| 9031115V | R3/8" | 12 |
| 9031116V | 1/2" | 12 |

Type B Bidirectional to suit Cylinders & Valves

| 9148 | Thread BSPT | Tube OD mm |
|----------|-------------|------------|
| 9031201B | M5 | 4 |
| 9031203B | M5 | 5 |
| 9031205B | M5 | 6 |
| 9031202B | R1/8" | 4 |
| 9031204B | R1/8" | 5 |
| 9031206B | R1/8" | 6 |
| 9031208B | R1/8" | 8 |
| 9031207B | R1/4" | 6 |
| 9031209B | R1/4" | 8 |
| 9031210B | R3/8" | 8 |
| 9031211B | R1/4" | 10 |
| 9031214B | R1/4" | 12 |
| 9031212B | R3/8" | 10 |
| 9031215B | R3/8" | 12 |
| 9031216B | 1/2" | 12 |

MRF Compact 'N' Technopolymer Ring



Type C to suit Cylinder

| 9148 | Thread BSPT | Tube OD mm |
|----------|-------------|------------|
| 9021001C | M5 | 4 |
| 9021005C | M5 | 6 |
| 9021002C | R1/8" | 4 |
| 9021006C | R1/8" | 6 |
| 9021008C | R1/8" | 8 |
| 9021007C | R1/4" | 6 |
| 9021009C | R1/4" | 8 |
| 9021011C | R1/4" | 10 |
| 9021014C | R1/4" | 12 |
| 9021012C | R3/8" | 10 |
| 9021212C | R3/8" | 10 |
| 9021015C | R3/8" | 12 |
| 9021016C | R1/2" | 12 |

Type V to suit Valves

| 9148 | Thread BSPT | Tube OD mm |
|----------|-------------|------------|
| 9021101V | M5 | 4 |
| 9021105V | M5 | 6 |
| 9021102V | R1/8" | 4 |
| 9021106V | R1/8" | 6 |
| 9021108V | R1/8" | 8 |
| 9011107V | R1/4" | 6 |
| 9021109V | R1/4" | 8 |
| 9021111V | R1/4" | 10 |
| 9021114V | R1/4" | 12 |
| 9021112V | R3/8" | 10 |
| 9021115V | R3/8" | 12 |
| 9021116V | R1/2" | 12 |

Type B Bidirectional to suit Cylinders & Valves

| 9148 | Thread BSPT | Tube OD mm |
|----------|-------------|------------|
| 9021201B | M5 | 4 |
| 9021205B | M5 | 6 |
| 9021202B | R1/8" | 4 |
| 9021206B | R1/8" | 6 |
| 9021208B | R1/8" | 8 |
| 9021207B | R1/4" | 6 |
| 9021209B | R1/4" | 8 |
| 9021211B | R1/4" | 10 |
| 9021214B | R1/4" | 12 |
| 9021215B | R3/8" | 12 |
| 9021216B | R1/2" | 12 |

MRF Compact 'N' Threaded Brass Ring



Type C to suit Cylinder

| 9148 | Thread BSPT | Tube OD |
|----------|-------------|---------|
| 9031301C | R1/8" | 1/8" |
| 9031302C | R1/4" | 1/4" |
| 9031303C | R3/8" | 3/8" |

Type V to suit Valves

| 9148 | Thread BSPT | Tube OD |
|----------|-------------|---------|
| 9031401V | R1/8" | 1/8" |
| 9031402V | R1/4" | 1/4" |
| 9031403V | R3/8" | 3/8" |

Type B Bidirectional to suit Cylinders & Valves

| 9148 | Thread BSPT | Tube OD |
|----------|-------------|---------|
| 9031501B | R1/8" | 1/8" |
| 9031502B | R1/4" | 1/4" |
| 9031503B | R3/8" | 3/8" |

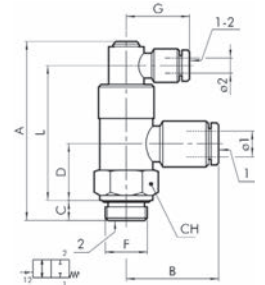
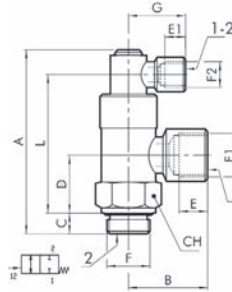
BLOCK FITTINGS

Blocking Fitting

Stop valves mounted on the cylinder inlets allow a flow of air only in the presence of a pneumatic pilot. This item is mainly used as a safety valve. When pressure drops in the pneumatic pilot, all cylinder movement is halted.

Technical Data

| | Bidirectional | | | |
|--------------------------|---------------|------|------|------|
| | 1/8" | 1/4" | 3/8" | 1/2" |
| Operating Pressure bar | 0.5-10 | | | |
| Operating temperature °C | -10° to +60° | | | |
| Flow rate (6 bar) | 320 | 700 | 1060 | 1700 |



Fully Threaded

| 9148 | F | F1 | F2 |
|-------------|-------|-------|-------|
| W6001101001 | G1/8" | G1/8" | G1/8" |
| W6001111011 | G1/4" | G1/4" | G1/8" |
| W6001121021 | G3/8" | G3/8" | G1/8" |

Tube Fittings

| 9148 | F | Ø1 mm | Ø2 mm |
|-------------|-------|-------|-------|
| W6001101106 | G1/8" | 6 | 4 |
| W6001111106 | G1/4" | 6 | 4 |
| W6001111108 | G1/4" | 8 | 4 |
| W6001121108 | G3/8" | 8 | 4 |
| W6001121110 | G3/8" | 10 | 4 |
| W6001131112 | G1/2" | 12 | 4 |



FLOW CONTROL VALVES

Unidirectional In-line Flow Control



To suit Cylinders

| 9148 | Thread BSP | Mounting Thread |
|---------|------------|-----------------|
| 9041001 | M5 | M10 x 0.75 |
| 9041002 | G1/8" | M12 x 1 |
| 9041003 | G1/4" | M12 x 1 |
| 9041004 | G3/8" | M15 x 1 |
| 9041005 | G1/2" | M15 x 1 |

Bidirectional In-line Flow Control



To suit Cylinders

| 9148 | Thread BSP | Mounting Thread |
|---------|------------|-----------------|
| 9041201 | M5 | M10 x 0.75 |
| 9041202 | G1/8" | M12 x 1 |
| 9041203 | G1/4" | M12 x 1 |
| 9041204 | G3/8" | M15 x 1 |
| 9041205 | G1/2" | M15 x 1 |

Unidirectional Flow Control



With Push-in Fittings

| 9148 | Tube Ø mm | Mounting Thread |
|---------|-----------|-----------------|
| 9041301 | 4 | M9 x 0.75 |
| 9041316 | 6 | M12 x 0.7 |
| 9041324 | 8 | M15 x 1 |

Unidirectional Flow Control Fittings

► Flow Direction



Flow Direction Thread to Tube

| 9148 | Thread BSP | Tube Ø mm |
|---------|------------|-----------|
| 9041401 | M5 | 4 |
| 9041402 | G1/8" | 4 |
| 9041408 | G1/8" | 6 |
| 9041409 | G1/4" | 6 |
| 9041410 | G1/8" | 8 |
| 9041411 | G1/4" | 8 |
| 9041412 | G3/8" | 8 |

Unidirectional Flow Control Fittings

► Flow Direction



Flow Direction Tube to Thread

| 9148 | Thread BSP | Tube Ø mm |
|---------|------------|-----------|
| 9041501 | M5 | 4 |
| 9041502 | G1/8" | 4 |
| 9041508 | G1/8" | 6 |
| 9041509 | G1/4" | 6 |
| 9041510 | G1/8" | 8 |
| 9041511 | G1/4" | 8 |
| 9041512 | G3/8" | 8 |

Quick Exhaust Valves



BSP

| 9149 | Thread BSP |
|---------|------------|
| 9101201 | 1/8" |
| 9201201 | 1/4" |
| 9401201 | 1/2" |



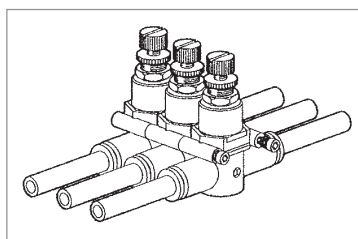
FUNCTIONAL FITTINGS

Line on Line is an exclusive range of products for mounting on pneumatic circuits. With these small, highly efficient components it is possible to perform all pneumatic functions at any point of the circuit.

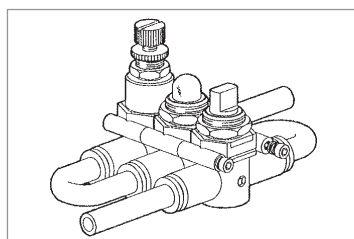
Line on Line is ultra-modular; the components can be connected in parallel, in series or combined parallel/series.

All Line on Line products are available for pipe-pipe connection with integral push-in fittings, or for thread-pipe connection with a brass nickel-plated male thread and an integral push-in fitting.

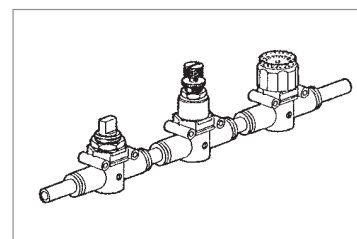
The body is made of technopolymer, giving a product that is extremely lightweight and compact. One side of the body is marked with an indelible pneumatic symbol to facilitate identification and indicate the direction of flow.



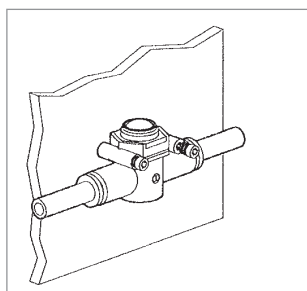
Parallel Lines



Serial Line Parallel Fittings



Serial Line In-line Fittings



Wall Fixing

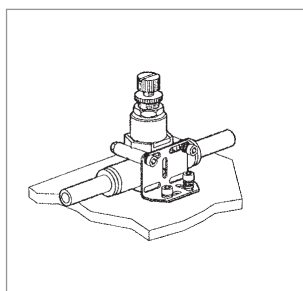
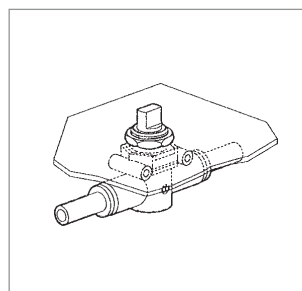
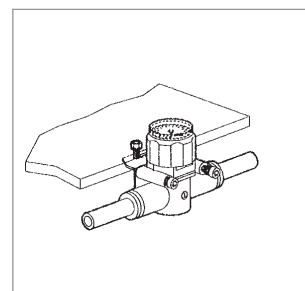


Plate Fixing



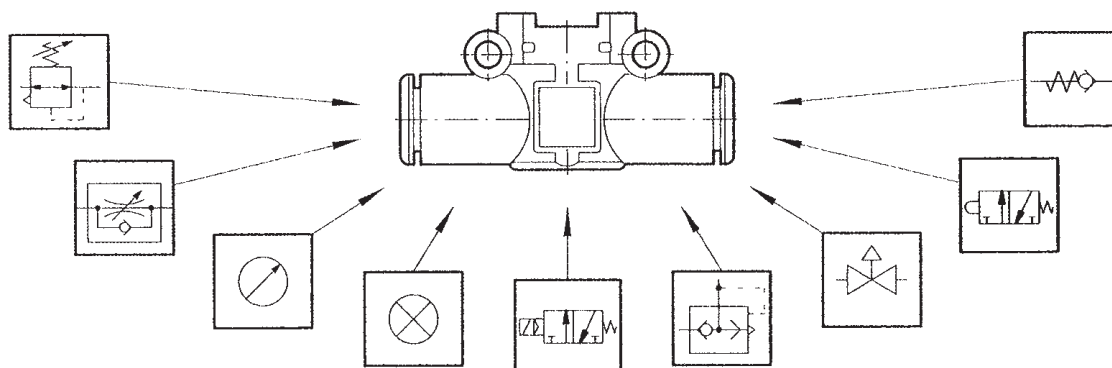
Panel Fixing



Under Wall Fixing

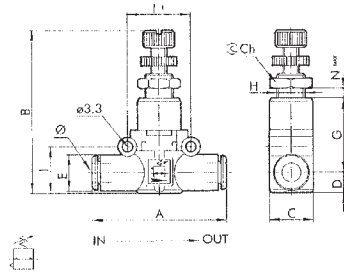
Technical Specifications

- Maximum operating pressure: 10 bar
- Temperature range: -20°C to +60°C
- Maximum flow rate on regulation at 6.3 bar: 155 NI/min (4mm), 450 NI/min (6mm), 850 NI/min (8mm)
- Adjustment: manual or using a screwdriver
- Internal system: tapered needle
- Recommended pipe: Rilson PA 11, nylon 6, polyamide 12, polypropylene
- Fluid: lubricated or non-lubricated filtered air



FUNCTIONAL FITTINGS

Line Mounted Pressure Regulator



lineonline

Tube to Tube

| 9148 | Ø | A | B | C | D | E |
|---------|---|------|-------|------|-----|------|
| 9061316 | 6 | 47 | 46-52 | 14.7 | 6.4 | 11.4 |
| 9061324 | 8 | 55.5 | 52-58 | 18.7 | 9.1 | 13.8 |

In-line Quick Exhaust Valve

Fig. A.

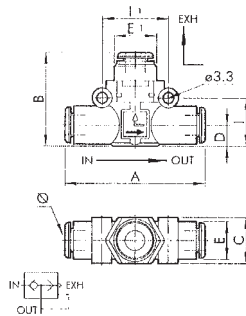
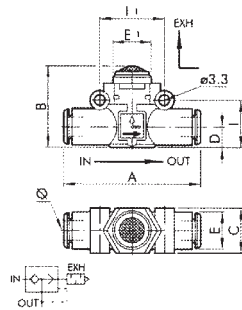


Fig. B.



lineonline

Tube to Tube

| 9148 | Ø | Figure | A | B | C | D | E | E1 | I | I1 |
|---------|---|--------|------|------|------|-----|------|----|------|----|
| 9063016 | 6 | A | 47 | 29 | 14.7 | 6.4 | 11.4 | 13 | 14.6 | 20 |
| 9063024 | 8 | A | 55.5 | 35 | 18.7 | 9.1 | 13.8 | 15 | 18.7 | 24 |
| 9063116 | 6 | B | 47 | 25.5 | 14.7 | 6.4 | 11.4 | 14 | 14.6 | 20 |
| 9063124 | 8 | B | 55.5 | 31.5 | 18.7 | 9.1 | 13.8 | 18 | 18.7 | 24 |

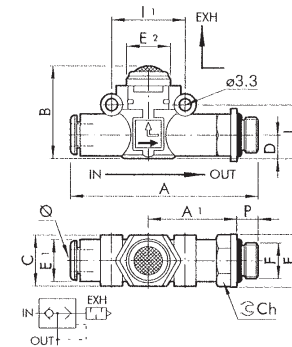
In-line Quick Exhaust Valve



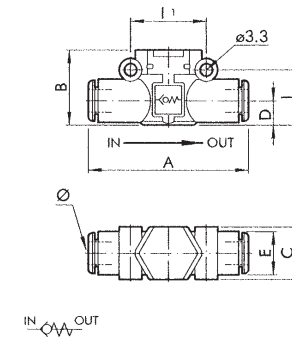
lineonline

Tube to Thread

| 9148 | Ø | Figure | P | A | A1 | B | C | D | E | E1 | E2 | I | I1 | I2 |
|---------|---|--------|---|------|------|------|------|-----|----|------|----|------|----|----|
| 9063308 | 6 | 1/8 | 6 | 57.3 | 27.8 | 25.5 | 14.7 | 6.4 | 14 | 11.4 | 14 | 14.6 | 20 | 12 |
| 9063309 | 6 | 1/4 | 8 | 60.3 | 28.8 | 25.5 | 14.7 | 6.4 | 18 | 11.4 | 14 | 14.6 | 20 | 14 |
| 9063310 | 8 | 1/8 | 6 | 65.5 | 31.8 | 31.5 | 18.7 | 9.1 | 15 | 13.8 | 18 | 18.7 | 24 | 13 |
| 9063311 | 8 | 1/4 | 8 | 69.7 | 34.2 | 31.5 | 18.7 | 9.1 | 18 | 13.8 | 18 | 18.7 | 24 | 14 |



In-line Check Valve



Tube to Tube

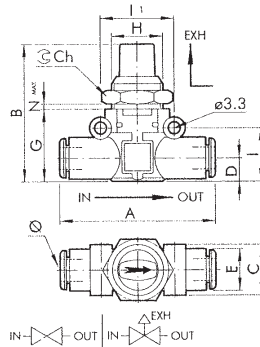
| 9148 | Ø | A | B | C | D | E | I | I1 |
|---------|---|------|------|------|-----|------|------|----|
| 9064016 | 6 | 47 | 20 | 14.7 | 6.4 | 11.4 | 14.6 | 20 |
| 9064024 | 8 | 55.5 | 25.5 | 18.7 | 9.1 | 13.8 | 18.7 | 24 |

FUNCTIONAL FITTINGS

In-line Shut-off Valve

Technical Data

- Inlet Flow rate at 6.3 bar ΔP 1 bar:
280 NI/min (6mm), 470 NI/min (8mm)
- V2V L: on/off function
- V3V L: on/off function with vent



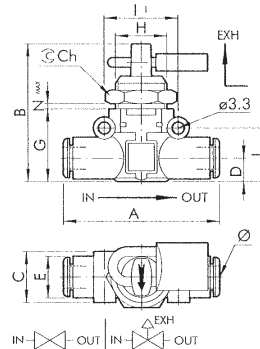
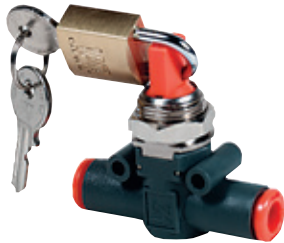
Tube to Tube

| 9148 | Function | Ø | A | B | C | D | E | G | H | I | I1 | Ch | Nmax |
|---------|----------|---|------|----|------|-----|------|----|---------|------|----|----|------|
| 9065016 | V2V L | 6 | 47 | 41 | 14.7 | 6.4 | 11.4 | 21 | M15 x 1 | 14.6 | 20 | 17 | 5.5 |
| 9066016 | V3V L | 6 | 47 | 41 | 14.7 | 6.4 | 11.4 | 21 | M15 x 1 | 14.6 | 20 | 17 | 5.5 |
| 9065024 | V2V L | 8 | 55.5 | 46 | 18.7 | 9.1 | 13.8 | 26 | M15 x 1 | 18.7 | 24 | 17 | 5.5 |
| 9066024 | V3V L | 8 | 55.5 | 46 | 18.7 | 9.1 | 13.8 | 26 | M15 x 1 | 18.7 | 24 | 17 | 5.5 |

In-line Shut-off Valve, Lockable

Technical Data

- V2V L: on/off function
- V3V L: on/off function with vent



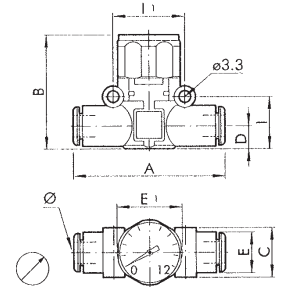
Tube to Tube

| 9148 | Function | Ø | A | B | C | D | E | G | H | I | I1 | Ch | Nmax |
|---------|----------|---|------|----|------|-----|------|----|---------|------|----|----|------|
| 9065116 | V2V L | 6 | 47 | 41 | 14.7 | 6.4 | 11.4 | 21 | M15 x 1 | 14.6 | 20 | 17 | 5.5 |
| 9066116 | V3V L | 6 | 47 | 41 | 14.7 | 6.4 | 11.4 | 21 | M15 x 1 | 14.6 | 20 | 17 | 5.5 |
| 9065124 | V2V L | 8 | 55.5 | 46 | 18.7 | 9.1 | 13.8 | 26 | M15 x 1 | 18.7 | 24 | 17 | 5.5 |
| 9066124 | V3V L | 8 | 55.5 | 46 | 18.7 | 9.1 | 13.8 | 26 | M15 x 1 | 18.7 | 24 | 17 | 5.5 |

In-line Pressure Gauge

Technical Data

- Operating pressure: 12 bar
- Precision: +4% full scale

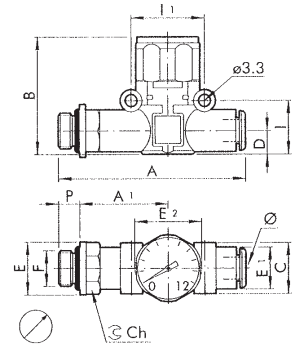


Tube to Tube

| 9148 | Ø | A | B | C | D | E | E1 | I | I1 |
|---------|---|------|----|------|-----|------|----|------|----|
| 9067016 | 6 | 47 | 35 | 14.7 | 6.4 | 11.4 | 23 | 14.6 | 20 |
| 9067024 | 8 | 55.5 | 41 | 18.7 | 9.1 | 13.8 | 23 | 18.7 | 24 |

Technical Data

- Operating pressure: 12 bar
- Precision: +4% full scale



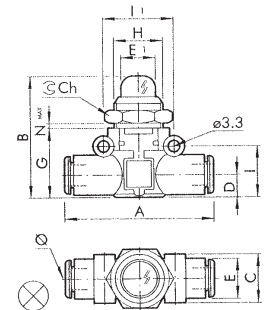
Thread to Tube

| 9148 | Function | Ø | P | A | A1 | B | C | D | E | E1 | E2 | I | I1 | Ch |
|---------|----------|---|---|------|------|----|------|-----|----|------|----|------|----|----|
| 9067108 | 1/8 | 6 | 6 | 57.3 | 27.5 | 35 | 14.7 | 6.4 | 14 | 11.4 | 23 | 14.6 | 20 | 12 |
| 9067109 | 1/4 | 6 | 8 | 60.3 | 28.8 | 35 | 14.7 | 6.4 | 18 | 11.4 | 23 | 14.6 | 20 | 14 |
| 9067110 | 1/8 | 8 | 6 | 65.3 | 31.8 | 41 | 18.7 | 9.1 | 15 | 13.8 | 23 | 18.7 | 24 | 14 |
| 9067111 | 1/4 | 8 | 8 | 69.7 | 34.2 | 41 | 18.7 | 9.1 | 18 | 13.8 | 23 | 18.7 | 24 | 14 |

In-line Pressure Indicator

Technical Data

- Operating pressure: 2-12 bar
- A = Orange, V = Green



Tube to Tube

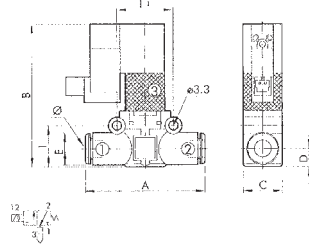
| 9148 | Type | Ø | A | B | C | D | E | E1 | G | H | I | I1 | Ch | Nmax |
|---------|------|---|------|----|------|-----|------|------|----|---------|------|----|----|------|
| 9068016 | A | 6 | 47 | 37 | 14.7 | 6.4 | 11.4 | 10.6 | 21 | M15 x 1 | 14.6 | 20 | 17 | 4.5 |
| 9068216 | V | 6 | 47 | 37 | 14.7 | 6.4 | 11.4 | 10.6 | 21 | M15 x 1 | 14.6 | 20 | 17 | 4.5 |
| 9068024 | A | 8 | 55.5 | 41 | 18.7 | 9.1 | 13.8 | 10.6 | 26 | M15 x 1 | 18.7 | 24 | 17 | 4.5 |
| 9068224 | V | 8 | 55.5 | 41 | 18.7 | 9.1 | 13.8 | 10.6 | 26 | M15 x 1 | 18.7 | 24 | 17 | 4.5 |

FUNCTIONAL FITTINGS

In-line 3 Port Solenoid Valve, Silenced Exhaust

Technical Data

- Operating pressure: 2.5-7 bar
- Flow rate at 6.3 bar ΔP 0.5 bar: 270 NI/min (6mm), 500 NI/min (8mm)
- Voltage: 24V DC
- Power: 1.2W

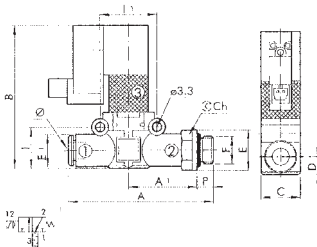
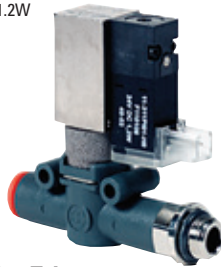


Tube to Tube

| 9148 | Ø | A | B | C | D | E | I | I1 |
|---------|---|------|------|------|-----|------|------|----|
| 9069016 | 6 | 47 | 55.5 | 14.7 | 6.4 | 11.4 | 14.6 | 20 |
| 9069024 | 8 | 55.5 | 63.5 | 18.7 | 9.1 | 13.8 | 18.7 | 24 |

Technical Data

- Operating pressure: 2.5-7 bar
- Flow rate at 6.3 bar ΔP 0.5 bar: 270 NI/min, 500 NI/min
- Voltage: 24V DC
- Power: 1.2W



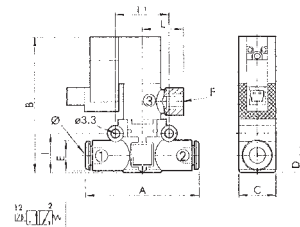
Thread to Tube

| 9148 | Ø | F | P | A | A1 | B | C | I | I1 | Ch1 |
|---------|---|-----|---|------|------|------|------|------|----|-----|
| 9069408 | 6 | 1/8 | 6 | 57.3 | 27.8 | 55.5 | 14.7 | 14.6 | 20 | 12 |
| 9069409 | 6 | 1/4 | 8 | 60.3 | 28.8 | 55.5 | 14.7 | 14.6 | 20 | 14 |
| 9069410 | 8 | 1/8 | 6 | 65.3 | 31.3 | 63.5 | 18.7 | 18.7 | 24 | 14 |
| 9069411 | 8 | 1/4 | 8 | 69.7 | 34.2 | 63.5 | 18.7 | 18.7 | 24 | 14 |

In-line 3 Port Solenoid Valve, Threaded Exhaust

Technical Data

- Operating pressure: 2.5 to 7 bar
- Flow rate at 6.3 bar ΔP 0.5 bar: 500 NI/min
- Voltage: 24V DC
- Power: 1.2W



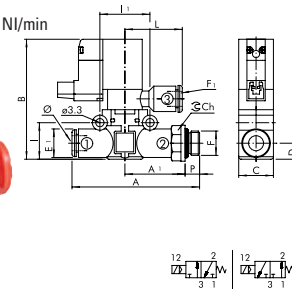
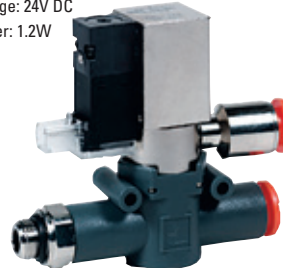
Tube to Tube

| 9148 | Ø | A | B | C | D | E | E1 | I | I1 | L |
|---------|---|------|------|------|-----|------|-----|------|----|------|
| 9069224 | 8 | 55.5 | 63.5 | 18.7 | 9.1 | 13.8 | 1/8 | 18.7 | 24 | 21.5 |

In-line 3 Port Solenoid Valve, Silenced Exhaust

Technical Data

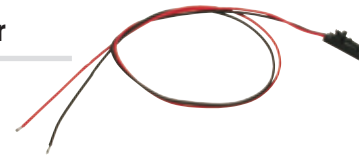
- Operating pressure: 2.5 to 7 bar
- Flow rate at 6.3 bar ΔP 0.5 bar: 270 NI/min, 500 NI/min
- Voltage: 24V DC
- Power: 1.2W



Tube to Thread

| 9148 | Ø | F | P | A | A1 | B | C | D | E | E1 | F1 | I | I1 | L | Ch1 |
|---------|---|-----|---|------|------|------|------|-----|----|------|-----|------|----|------|-----|
| 9069610 | 8 | 1/8 | 6 | 65.3 | 31.8 | 63.5 | 18.7 | 9.1 | 15 | 13.8 | 1/8 | 18.7 | 24 | 25.1 | 1 |
| 9069611 | 8 | 1/4 | 8 | 69.7 | 34.2 | 63.5 | 18.7 | 9.1 | 18 | 13.8 | 1/8 | 18.7 | 24 | 21.5 | 1 |

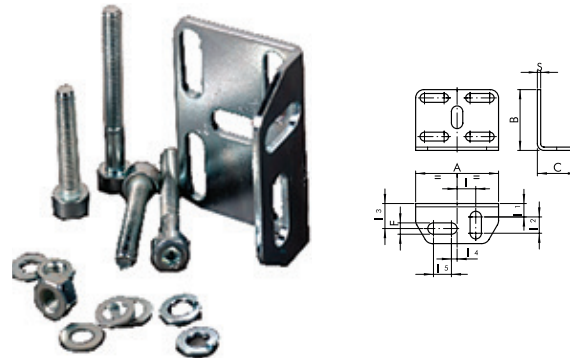
Electrical Connector



Plug-in

| 9148 | Description |
|-------------|--------------------------------|
| W0970512000 | Plug-in Connector, 300mm Leads |

Fixing Bracket



To suit All Line on Line Products

| 9148 | A | B | C | F | I | I1 | I2 | 13 | 14 | 15 | S |
|---------|----|----|------|-----|-----|-----|-----|-----|----|-----|-----|
| 9062110 | 30 | 22 | 14.5 | 4.2 | 6.8 | 4.8 | 5.9 | 9.1 | 2 | 6.5 | 1.2 |

U Tube



Tube

| 9148 | OD mm |
|---------|-------|
| 9062216 | 6 |
| 9062224 | 8 |

SERIES 7000 SUPER-RAPID COMPACT FITTINGS

Material: Technopolymer



Working Pressure:

-0.9 to 16 bar

Swivel Male Stud Elbows



Metric & BSPP

| 0158 | OD mm | Thread |
|-------------|-------|--------|
| 7522 4-M5 | 4 | M5 |
| 7522 4-M7 | 4 | M7 |
| 7522 4-1/8 | 4 | 1/8" |
| 7522 4-1/4 | 4 | 1/4" |
| 7522 6-M5 | 6 | M5 |
| 7522 6-M7 | 6 | M7 |
| 7522 6-1/8 | 6 | 1/8" |
| 7522 6-1/4 | 6 | 1/4" |
| 7522 8-1/8 | 8 | 1/8" |
| 7522 8-1/4 | 8 | 1/4" |
| 7522 8-3/8 | 8 | 3/8" |
| 7522 10-1/4 | 10 | 1/4" |
| 7522 10-3/8 | 10 | 3/8" |
| 7522 10-1/2 | 10 | 1/2" |
| 7522 12-1/4 | 12 | 1/4" |
| 7522 12-3/8 | 12 | 3/8" |
| 7522 12-1/2 | 12 | 1/2" |
| 7522 16-1/2 | 16 | 1/2" |
| 7522 16-3/4 | 16 | 3/4" |

Tech Sheet 68274

Swivel Male Stud Extended Elbows



BSPP, Extended

| 0158 | OD mm | Thread |
|------------|-------|--------|
| 7526 4-1/8 | 4 | 1/8" |
| 7526 6-1/8 | 6 | 1/8" |
| 7526 6-1/4 | 6 | 1/4" |
| 7526 8-1/8 | 8 | 1/8" |
| 7526 8-1/4 | 8 | 1/4" |

Tech Sheet 68274

Swivel Male Stud Branch Tees



Metric & BSPP

| 0158 | OD mm | Thread |
|-------------|-------|--------|
| 7432 4-M5 | 4 | M5 |
| 7432 4-1/8 | 4 | 1/8" |
| 7432 6-M5 | 6 | M5 |
| 7432 6-1/8 | 6 | 1/8" |
| 7432 6-1/4 | 6 | 1/4" |
| 7432 8-1/8 | 8 | 1/8" |
| 7432 8-1/4 | 8 | 1/4" |
| 7432 8-3/8 | 8 | 3/8" |
| 7432 10-1/4 | 10 | 1/4" |
| 7432 10-3/8 | 10 | 3/8" |
| 7432 10-1/2 | 10 | 1/2" |
| 7432 12-1/4 | 12 | 1/4" |
| 7432 12-3/8 | 12 | 3/8" |
| 7432 12-1/2 | 12 | 1/2" |
| 7432 16-1/2 | 16 | 1/2" |
| 7432 16-3/4 | 16 | 3/4" |

Tech Sheet 68274

Swivel Male Stud Run Tees



BSPP

| 0158 | OD mm | Thread |
|-------------|-------|--------|
| 7442 4-1/8 | 4 | 1/8" |
| 7442 6-1/8 | 6 | 1/8" |
| 7442 6-1/4 | 6 | 1/4" |
| 7442 8-1/8 | 8 | 1/8" |
| 7442 8-1/4 | 8 | 1/4" |
| 7442 8-3/8 | 8 | 3/8" |
| 7442 10-1/4 | 10 | 1/4" |
| 7442 10-3/8 | 10 | 3/8" |
| 7442 12-3/8 | 12 | 3/8" |
| 7442 12-1/2 | 12 | 1/2" |
| 7442 16-1/2 | 16 | 1/2" |
| 7442 16-3/4 | 16 | 3/4" |

Tech Sheet 68274

Swivel Male Stud Ys



BSPP

| 0158 | OD mm | Thread |
|-------------|-------|--------|
| 7562 4-1/8 | 4 | 1/8" |
| 7562 6-1/8 | 6 | 1/8" |
| 7562 6-1/4 | 6 | 1/4" |
| 7562 8-1/8 | 8 | 1/8" |
| 7562 8-1/4 | 8 | 1/4" |
| 7562 10-1/4 | 10 | 1/4" |
| 7562 10-3/8 | 10 | 3/8" |

Tech Sheet 68274

Swivel Male Stud Double Ys



BSPP

| 0158 | OD mm | Thread |
|------------|-------|--------|
| 7572 4-1/8 | 4 | 1/8" |
| 7572 4-1/4 | 4 | 1/4" |
| 7572 6-1/8 | 6 | 1/8" |
| 7572 6-1/4 | 6 | 1/4" |

Tech Sheet 68274

SERIES 7000 SUPER-RAPID COMPACT FITTINGS

Material: Technopolymer



Working Pressure:
-0.9 to 16 bar

Tube x Tube Connectors



Equal Straights

| 0158 | OD mm |
|---------|-------|
| 7580 4 | 4 |
| 7580 6 | 6 |
| 7580 8 | 8 |
| 7580 10 | 10 |
| 7580 12 | 12 |

Tech Sheet 68274



Equal Elbows

| 0158 | OD mm |
|---------|-------|
| 7550 4 | 4 |
| 7550 6 | 6 |
| 7550 8 | 8 |
| 7550 10 | 10 |
| 7550 12 | 12 |
| 7550 16 | 16 |

Tech Sheet 68274



Equal Tees

| 0158 | OD mm |
|---------|-------|
| 7540 4 | 4 |
| 7540 6 | 6 |
| 7540 8 | 8 |
| 7540 10 | 10 |
| 7540 12 | 12 |
| 7540 16 | 16 |

Tech Sheet 68274



Equal Ys

| 0158 | OD mm |
|---------|-------|
| 7560 4 | 4 |
| 7560 6 | 6 |
| 7560 8 | 8 |
| 7560 10 | 10 |

Tech Sheet 68274



Unequal Ys

| 0158 | OD mm | OD mm |
|-----------|-------|-------|
| 7560 6-4 | 6 | 4 |
| 7560 8-6 | 8 | 6 |
| 7560 10-8 | 10 | 8 |

Tech Sheet 68274



Unequal Double Ys

| 0158 | OD mm | OD mm |
|----------|-------|-------|
| 7575 6-4 | 6 | 4 |
| 7575 8-6 | 8 | 6 |

Tech Sheet 68274

Tube x Stem Connectors



Unequal Straights

| 0158 | OD mm | Stem OD mm |
|------------|-------|------------|
| 7800 4-6 | 4 | 6 |
| 7800 4-8 | 4 | 8 |
| 7800 6-8 | 6 | 8 |
| 7800 6-10 | 6 | 10 |
| 7800 6-12 | 6 | 12 |
| 7800 8-10 | 8 | 10 |
| 7800 8-12 | 8 | 12 |
| 7800 10-12 | 10 | 12 |

Tech Sheet 68274



Elbows

| 0158 | OD mm | Stem OD mm |
|------------|-------|------------|
| 7555 4-4 | 4 | 4 |
| 7555 6-6 | 6 | 6 |
| 7555 8-8 | 8 | 8 |
| 7555 10-10 | 10 | 10 |
| 7555 12-12 | 12 | 12 |

Tech Sheet 68274

Stem Connectors



Stem x Stem

| 0158 | Stem OD mm |
|---------|------------|
| 7950 4 | 4 |
| 7950 6 | 6 |
| 7950 8 | 8 |
| 7950 10 | 10 |
| 7950 12 | 12 |

Tech Sheet 68274

Reducing Manifolds



Tube x Tube

| 0158 | Inlet OD mm | Outlet OD mm |
|-----------|-------------|--------------|
| 7545 6-4 | 6 | 4 |
| 7545 8-6 | 8 | 6 |
| 7545 10-8 | 10 | 10 |

Tech Sheet 68274



Swivel Male, BSPP

| 0158 | Inlet OD mm | Outlet OD mm | Thread |
|---------------|-------------|--------------|--------|
| 7542 6-4-1/8 | 6 | 4 | 1/8" |
| 7542 6-4-1/4 | 6 | 4 | 1/4" |
| 7542 8-6-1/8 | 8 | 6 | 1/8" |
| 7542 8-6-1/4 | 8 | 6 | 1/4" |
| 7542 10-8-1/4 | 10 | 8 | 1/4" |
| 7542 10-8-3/8 | 10 | 8 | 3/8" |

Tech Sheet 68274

SERIES 7000 SUPER-RAPID COMPACT FITTINGS

Material: Technopolymer

Working Pressure:
-0.9 to 16 bar

Single Banjo Bodies



BSPP

| 0158 | OD mm | Thread |
|-------------|-------|--------|
| 7610 4-1/8 | 4 | 1/8" |
| 7610 6-1/8 | 6 | 1/8" |
| 7610 6-1/4 | 6 | 1/4" |
| 7610 8-1/8 | 8 | 1/8" |
| 7610 8-1/4 | 8 | 1/4" |
| 7610 10-1/4 | 10 | 1/4" |
| 7610 10-3/8 | 10 | 3/8" |
| 7610 12-3/8 | 12 | 3/8" |

Tech Sheet 68274

Twin Banjo Bodies



BSPP

| 0158 | OD mm | Thread |
|-------------|-------|--------|
| 7640 4-1/8 | 4 | 1/8" |
| 7640 6-1/8 | 6 | 1/8" |
| 7640 6-1/4 | 6 | 1/4" |
| 7640 8-1/8 | 8 | 1/8" |
| 7640 8-1/4 | 8 | 1/4" |
| 7640 10-1/4 | 10 | 1/4" |

Tech Sheet 68274

Swivel Banjos, 1 Outlet



BSPP

| 0158 | OD mm | Thread |
|-------------|-------|--------|
| 7622 4-1/8 | 4 | 1/8" |
| 7622 6-1/8 | 6 | 1/8" |
| 7622 6-1/4 | 6 | 1/4" |
| 7622 8-1/8 | 8 | 1/8" |
| 7622 8-1/4 | 8 | 1/4" |
| 7622 10-1/4 | 10 | 1/4" |
| 7622 10-3/8 | 10 | 3/8" |
| 7622 12-3/8 | 12 | 3/8" |

Tech Sheet 68274

Swivel Twin Banjos, 2 Outlets



BSPP

| 0158 | OD mm | Thread |
|-------------|-------|--------|
| 7652 4-1/8 | 4 | 1/8" |
| 7652 6-1/8 | 6 | 1/8" |
| 7652 6-1/4 | 6 | 1/4" |
| 7652 8-1/8 | 8 | 1/8" |
| 7652 8-1/4 | 8 | 1/4" |
| 7652 10-1/4 | 10 | 1/4" |
| 7652 10-3/8 | 10 | 3/8" |

Tech Sheet 68274

Double Adjustable Banjos, 2 Outlets



BSPP

| 0158 | OD mm | Thread |
|----------------|-------|--------|
| 7612 02-4-1/8 | 4 | 1/8" |
| 7612 02-6-1/8 | 6 | 1/8" |
| 7612 02-6-1/4 | 6 | 1/4" |
| 7612 02-8-1/8 | 8 | 1/8" |
| 7612 02-8-1/4 | 8 | 1/4" |
| 7612 02-10-1/4 | 10 | 1/4" |
| 7612 02-10-3/8 | 10 | 3/8" |
| 7612 02-12-3/8 | 12 | 3/8" |

Tech Sheet 68274

Double Adjustable Twin Banjos, 4 Outlets



BSPP

| 0158 | OD mm | Thread |
|----------------|-------|--------|
| 7642 02-4-1/8 | 4 | 1/8" |
| 7642 02-6-1/8 | 6 | 1/8" |
| 7642 02-6-1/4 | 6 | 1/4" |
| 7642 02-8-1/8 | 8 | 1/8" |
| 7642 02-8-1/4 | 8 | 1/4" |
| 7642 02-10-1/4 | 10 | 1/4" |

Tech Sheet 68274

Triple Adjustable Banjos, 3 Outlets



BSPP

| 0158 | OD mm | Thread |
|----------------|-------|--------|
| 7612 03-4-1/8 | 4 | 1/8" |
| 7612 03-6-1/8 | 6 | 1/8" |
| 7612 03-6-1/4 | 6 | 1/4" |
| 7612 03-8-1/8 | 8 | 1/8" |
| 7612 03-8-1/4 | 8 | 1/4" |
| 7612 03-10-1/4 | 10 | 1/4" |

Tech Sheet 68274

Triple Adjustable Twin Banjos, 6 Outlets



BSPP

| 0158 | OD mm | Thread |
|----------------|-------|--------|
| 7642 03-4-1/8 | 4 | 1/8" |
| 7642 03-6-1/8 | 6 | 1/8" |
| 7642 03-6-1/4 | 6 | 1/4" |
| 7642 03-8-1/8 | 8 | 1/8" |
| 7642 03-8-1/4 | 8 | 1/4" |
| 7642 03-10-1/4 | 10 | 1/4" |

Tech Sheet 68274

Banjo Bolts



Double Stem, BSPP

| 0158 | Thread |
|-------------|--------|
| 7632 02-1/8 | 1/8" |
| 7632 02-1/4 | 1/4" |
| 7632 02-3/8 | 3/8" |

Tech Sheet 68274

Triple Stem, BSPP

| 0158 | Thread |
|-------------|--------|
| 7632 03-1/8 | 1/8" |
| 7632 03-1/4 | 1/4" |

Tech Sheet 68274





Push-in Fittings & Ring Main Systems

For
Ring Main
Systems
see section 8
page 1061



For Push-in
Fittings
see section 6
page 763

PUSH-IN FITTINGS, METRIC

Media: Compressed air. Suitable for vacuum.

| Temperature at: | Pressure 5/32" – 5/16" 4mm – 8mm | Pressure 3/8" - 1/2": 10mm – 22mm |
|-----------------|--|---|
| Air | | |
| -20°C | 16 bar | 10 bar |

| Potable Liquids and Air | | |
|-------------------------|--------|--------|
| +1°C | 16 bar | 10 bar |
| +20°C | 16 bar | 10 bar |
| +65°C | 10 bar | 7 bar |

Straight Adaptors



Male Thread, Super Thread

| 1400 | OD mm | Thread |
|----------|-------|--------|
| LM0104M5 | 4 | M5 |
| RM010411 | 4 | 1/8" |
| RM010511 | 5 | 1/8" |
| RM010512 | 5 | 1/4" |
| RM010611 | 6 | 1/8" |
| RM010612 | 6 | 1/4" |
| RM010811 | 8 | 1/8" |
| RM010812 | 8 | 1/4" |
| RM010813 | 8 | 3/8" |
| RM011012 | 10 | 1/4" |
| RM011013 | 10 | 3/8" |
| RM011014 | 10 | 1/2" |
| RM011213 | 12 | 3/8" |
| RM011214 | 12 | 1/2" |



Male Thread, Metric

| 1400 | OD mm | Thread |
|----------|-------|--------|
| RM0104M5 | 4 | M5 |
| RM0106M5 | 6 | M5 |



Male Thread, BSPP

| 1400 | OD mm | Thread |
|-----------|-------|--------|
| PM010411E | 4 | 1/8" |
| PM010412E | 4 | 1/4" |
| PM010511E | 5 | 1/8" |
| PM010512E | 5 | 1/4" |
| PM010611E | 6 | 1/8" |
| PM010612E | 6 | 1/4" |
| PM010811E | 8 | 1/8" |
| PM010812E | 8 | 1/4" |
| PM010813E | 8 | 3/8" |
| PM011012E | 10 | 1/4" |
| PM011013E | 10 | 3/8" |
| PM011014E | 10 | 1/2" |
| PM011213E | 12 | 3/8" |
| PM011514E | 15 | 1/2" |



Male Thread, BSPT

| 1400 | OD mm | Thread |
|-----------|-------|--------|
| PM010401E | 4 | 1/8" |
| PM010402E | 4 | 1/4" |
| PM010501E | 5 | 1/8" |
| PM010502E | 5 | 1/4" |
| PM010601E | 6 | 1/8" |
| PM010602E | 6 | 1/4" |
| PM010801E | 8 | 1/8" |
| PM010802E | 8 | 1/4" |
| PM010803E | 8 | 3/8" |
| PM011002E | 10 | 1/4" |
| PM011003E | 10 | 3/8" |
| PM011004E | 10 | 1/2" |
| PM011203E | 12 | 3/8" |
| PM011204E | 12 | 1/2" |

Brass Straight Adaptors



Male Thread, BSPP

| 1400 | OD mm | Thread |
|----------|-------|--------|
| MM010411 | 4 | 1/8" |
| MM010611 | 6 | 1/8" |



Male Super Thread

| 1400 | OD mm | Thread |
|----------|-------|--------|
| LM010411 | 4 | 1/8" |

Equal Tees



Tube x Tube

| 1400 | OD mm |
|---------|-------|
| LM0203E | 3 |
| PM0204E | 4 |
| PM0205E | 5 |
| PM0206E | 6 |
| PM0208E | 8 |
| PM0210E | 10 |
| PM0212E | 12 |
| PM0215E | 15 |

Equal Elbows



Tube x Tube

| 1400 | OD mm |
|---------|-------|
| LM0303E | 3 |
| PM0304E | 4 |
| PM0305E | 5 |
| PM0306E | 6 |
| PM0308E | 8 |
| PM0310E | 10 |
| PM0312E | 12 |
| PM0315E | 15 |

Reducing Elbow Connectors



Tube x Tube

| 1400 | OD mm | OD mm |
|-----------|-------|-------|
| PM210604E | 6 | 4 |
| PM210804E | 8 | 4 |
| PM210806E | 8 | 6 |
| PM211004E | 10 | 4 |
| PM211006E | 10 | 6 |
| PM211008E | 10 | 8 |
| PM211208E | 12 | 8 |
| PM211210E | 12 | 10 |

PUSH-IN FITTINGS, METRIC

Female Adaptors



BSPP

| 1400 | OD mm | Thread |
|------------|-------|--------|
| PM450411E | 4 | 1/8" |
| PM450611E | 6 | 1/8" |
| PM450612E | 6 | 1/4" |
| PM450812E | 8 | 1/4" |
| PM451015FE | 10 | 5/8" |

Stem Elbows



Tube x Stem

| 1400 | OD mm | Stem OD mm |
|-----------|-------|------------|
| PM220404E | 4 | 4 |
| PM220505E | 5 | 5 |
| PM220606E | 6 | 6 |
| PM220808E | 8 | 8 |
| PM221010E | 10 | 10 |
| PM221212E | 12 | 12 |
| PM221515E | 15 | 15 |

Equal Straight Connectors



Tube x Tube

| 1400 | OD mm |
|---------|-------|
| PM0404E | 4 |
| PM0405E | 5 |
| PM0406E | 6 |
| PM0408E | 8 |
| PM0410E | 10 |

Reducing Straight Connectors



Tube x Tube

| 1400 | OD mm | OD mm |
|-----------|-------|-------|
| PM200604E | 6 | 4 |
| PM200804E | 8 | 4 |
| PM200806E | 8 | 6 |
| PM201004E | 10 | 4 |
| PM201006E | 10 | 6 |
| PM201008E | 10 | 8 |
| PM201208E | 12 | 8 |
| PM201210E | 12 | 10 |

Stem Adaptors



Super Thread, BSPP

| 1400 | Stem OD mm | Thread |
|----------|------------|--------|
| RM050411 | 4 | 1/8" |
| RM050412 | 4 | 1/4" |
| RM050512 | 5 | 1/4" |
| RM050611 | 6 | 1/8" |
| RM050612 | 6 | 1/4" |
| RM051013 | 10 | 3/8" |
| RM051014 | 10 | 1/2" |
| RM051213 | 12 | 3/8" |

Metric

| 1400 | Stem OD mm | Thread |
|----------|------------|--------|
| RM0504M5 | 4 | M5 |
| RM0506M5 | 6 | M5 |



BSPT

| 1400 | Stem OD mm | Thread |
|-----------|------------|--------|
| PM050401E | 4 | 1/8" |
| PM050402E | 4 | 1/4" |
| PM050501E | 5 | 1/8" |
| PM050502E | 5 | 1/4" |
| PM050601E | 6 | 1/8" |
| PM050602E | 6 | 1/4" |
| PM050801E | 8 | 1/8" |
| PM050802E | 8 | 1/4" |
| PM050803E | 8 | 3/8" |
| PM051002E | 10 | 1/4" |
| PM051003E | 10 | 3/8" |
| PM051004E | 10 | 1/2" |
| PM051203E | 12 | 3/8" |
| PM051204E | 12 | 1/2" |



BSPP

| 1400 | Stem OD mm | Thread |
|-----------|------------|--------|
| PM050411E | 4 | 1/8" |
| PM050412E | 4 | 1/4" |
| PM050511E | 5 | 1/8" |
| PM050512E | 5 | 1/4" |
| PM050611E | 6 | 1/8" |
| PM050612E | 6 | 1/4" |
| PM050811E | 8 | 1/8" |
| PM050812E | 8 | 1/4" |
| PM050813E | 8 | 3/8" |
| PM051012E | 10 | 1/4" |
| PM051013E | 10 | 3/8" |
| PM051014E | 10 | 1/2" |
| PM051213E | 12 | 3/8" |
| PM051214E | 12 | 1/2" |

Dividers



Tube x Tube

| 1400 | OD mm |
|---------|-------|
| PM2304E | 4 |
| RM2306E | 6 |
| RM2308E | 8 |
| PM2310E | 10 |

Bulkhead Adaptors

Media:

Compressed air. Suitable for vacuum.

Maximum bulkhead mounting torque 27Nm.



BSPP

| 1400 | OD mm | Thread | Bulkhead |
|----------|-------|--------|----------|
| RM070612 | 6 | 1/4" | 3/8" |

Swivel Tees Offset Leg

Media:

Compressed Air. Suitable for vacuum.



BSPT

| 1400 | OD mm | Thread |
|-----------|-------|--------|
| PM110601E | 6 | 1/8" |
| PM110802E | 8 | 1/4" |
| PM111003E | 10 | 3/8" |
| PM111203E | 12 | 3/8" |
| PM111204E | 12 | 1/2" |



BSPP Thread

| 1400 | OD mm | Thread |
|-----------|-------|--------|
| PM110411E | 4 | 1/8" |
| PM110511E | 5 | 1/8" |
| PM110512E | 5 | 1/4" |
| PM110611E | 6 | 1/8" |
| PM110612E | 6 | 1/4" |
| PM110811E | 8 | 1/8" |
| PM110812E | 8 | 1/4" |
| PM110813E | 8 | 3/8" |
| PM111012E | 10 | 1/4" |
| PM111013E | 10 | 3/8" |
| PM111014E | 10 | 1/2" |
| PM111213E | 12 | 3/8" |
| PM111214E | 12 | 1/2" |

PUSH-IN FITTINGS, METRIC

Bulkhead Connectors



BSPP Thread

| 1400 | OD mm | Thread |
|---------|-------|--------|
| PM1204E | 4 | 3/8" |
| PM1206E | 6 | 3/8" |
| PM1208E | 8 | 1/2" |
| PM1210E | 10 | 1/2" |
| PM1212E | 12 | 3/4" |

Reducers



Tube x Stem

| 1400 | Stem OD mm | Thread |
|-----------|------------|--------|
| PM060504E | 5 | 4 |
| PM060604E | 6 | 4 |
| PM060605E | 6 | 5 |
| PM060804E | 8 | 4 |
| PM060805E | 8 | 5 |
| PM060806E | 8 | 6 |
| PM061006E | 10 | 6 |
| PM061008E | 10 | 8 |
| PM061208E | 12 | 8 |
| PM061210E | 12 | 10 |
| PM061510E | 15 | 10 |

Single Banjo Body



BSPP Thread

| 1400 | OD mm | Thread |
|-----------|-------|--------|
| RM150411E | 4 | 1/8" |
| RM150511E | 5 | 1/8" |
| RM150811E | 8 | 1/4" |
| RM151013E | 10 | 3/8" |
| RM151214E | 12 | 1/2" |

Banjo Bolts



Single, BSPP Thread

| 1400 | Thread |
|--------|--------|
| RM1611 | 1/8" |
| RM1614 | 1/2" |

Media:

Compressed air. Suitable for vacuum.



Double, BSPP Thread

| 1400 | Thread |
|--------|--------|
| RM1711 | 1/8" |
| RM1712 | 1/4" |
| RM1713 | 3/8" |
| RM1714 | 1/2" |

Swivel Elbows



Super Thread, BSPP

| 1400 | OD mm | Thread |
|----------|-------|--------|
| RM090412 | 4 | 1/4" |
| RM090611 | 6 | 1/8" |
| RM090612 | 6 | 1/4" |
| RM090811 | 8 | 1/8" |
| RM090812 | 8 | 1/4" |
| RM091013 | 10 | 3/8" |
| RM091213 | 12 | 3/8" |
| RM091214 | 12 | 1/2" |



Metric Thread

| 1400 | OD mm | Thread |
|----------|-------|--------|
| LM0904M5 | 4 | M5 |
| RM0904M5 | 4 | M5 |
| RM0905M5 | 5 | M5 |
| RM0906M5 | 6 | M5 |

Plugs

Media:

Compressed Air. Suitable for vacuum.



Tube

| 1400 | Stem OD mm | Colour |
|---------|------------|--------|
| PM0804R | 4 | Red |
| PM0805R | 5 | Red |
| PM0806R | 6 | Red |
| PM0808R | 8 | Red |
| PM0810R | 10 | Red |
| PM0812R | 12 | Red |
| PM0815R | 15 | Black |



BSPP Thread

| 1400 | OD mm | Thread |
|-----------|-------|--------|
| PM090411E | 4 | 1/8" |
| PM090412E | 4 | 1/4" |
| PM090511E | 5 | 1/8" |
| PM090512E | 5 | 1/4" |
| PM090611E | 6 | 1/8" |
| PM090612E | 6 | 1/4" |
| PM090811E | 8 | 1/8" |
| PM090812E | 8 | 1/4" |
| PM090813E | 8 | 3/8" |
| PM091012E | 10 | 1/4" |
| PM091013E | 10 | 3/8" |
| PM091014E | 10 | 1/2" |
| PM091213E | 12 | 3/8" |
| PM091214E | 12 | 1/2" |



BSPT Thread

| 1400 | OD mm | Thread |
|-----------|-------|--------|
| PM090401E | 4 | 1/8" |
| PM090402E | 4 | 1/4" |
| PM090501E | 5 | 1/8" |
| PM090502E | 5 | 1/4" |
| PM090601E | 6 | 1/8" |
| PM090602E | 6 | 1/4" |
| PM090801E | 8 | 1/8" |
| PM090802E | 8 | 1/4" |
| PM090803E | 8 | 3/8" |
| PM091002E | 10 | 1/4" |
| PM091003E | 10 | 3/8" |
| PM091004E | 10 | 1/2" |
| PM091203E | 12 | 3/8" |
| PM091204E | 12 | 1/2" |

PUSH-IN FITTINGS, METRIC

Swivel Tees Centre Leg



Super Thread, BSPP

| 1400 | OD mm | Thread |
|----------|-------|--------|
| RM100611 | 6 | 1/8" |
| RM100612 | 6 | 1/4" |



BSPT Thread

| 1400 | OD mm | Thread |
|-----------|-------|--------|
| PM100401E | 4 | 1/8" |
| PM100402E | 4 | 1/4" |
| PM100502E | 5 | 1/4" |
| PM100601E | 6 | 1/8" |
| PM100602E | 6 | 1/4" |
| PM100801E | 8 | 1/8" |
| PM100802E | 8 | 1/4" |
| PM100803E | 8 | 3/8" |
| PM101002E | 10 | 1/4" |
| PM101003E | 10 | 3/8" |
| PM101004E | 10 | 1/2" |
| PM101203E | 12 | 3/8" |
| PM101204E | 12 | 1/2" |



BSPP Thread

| 1400 | OD mm | Thread |
|-----------|-------|--------|
| PM100411E | 4 | 1/8" |
| PM100412E | 4 | 1/4" |
| PM100511E | 5 | 1/8" |
| PM100512E | 5 | 1/4" |
| PM100611E | 6 | 1/8" |
| PM100612E | 6 | 1/4" |
| PM100811E | 8 | 1/8" |
| PM100812E | 8 | 1/4" |
| PM100813E | 8 | 3/8" |
| PM101012E | 10 | 1/4" |
| PM101013E | 10 | 3/8" |
| PM101014E | 10 | 1/2" |
| PM101213E | 12 | 3/8" |
| PM101214E | 12 | 1/2" |

Tube to Hose Stem



Stem x Hose Tail

| 1400 | Stem OD mm | To Suit Hose ID mm |
|-----------|------------|--------------------|
| PM250604E | 6 | 4 |
| PM250806E | 8 | 6 |
| PM251008E | 10 | 8 |

Collet Covers



Colour Coding and Additional Security

The slip-on collet covers shown in this photograph prevent accidental removal or tampering with tubing. Tubing can be inserted with the collet cover already attached to the fittings or the cover can be slid into position afterwards. The cover is easily removed as and when required and comes in a variety of colours for colour-coding.

Colours available - suffix indicates colour

i.e. E = Black S = Grey
R = Red B = Blue
Y = Yellow G = Green

Please indicate, by suffix the colour required or black will be supplied.

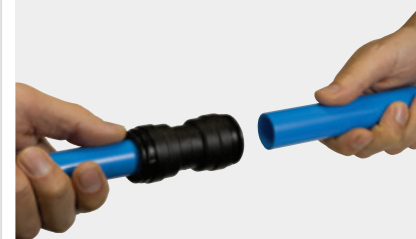
Metric

| 1400 | OD mm |
|---------|-------|
| PM1904E | 4 |
| PM1905E | 5 |
| PM1910E | 10 |
| PM1912E | 12 |
| PM1915E | 15 |
| PM1922E | 22 |

Locking Clip



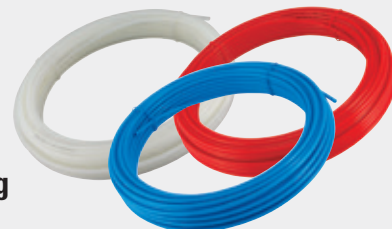
| 1400 | OD mm |
|----------|-------|
| PMC1815R | 15 |



For John Guest
Ring Main System
see pages 1088-1092



You might also need Nylon Tubing
see pages 913-917



PUSH-IN FITTINGS, IMPERIAL

Media: Compressed air. Suitable for vacuum.

- Drink dispensers and pure water fittings

| Temperature at: | Working Pressure 5/32"-5/16" | Working Pressure 3/8"-1/2" |
|-----------------|------------------------------|----------------------------|
| +20°C | 16 bar | 10 bar |
| +23°C | 16 bar | 10 bar |
| +70°C | 10 bar | 7 bar |

Straight Adaptors



Male Thread, BSPT

| 1400 | OD | Thread |
|-----------|-------|--------|
| PM010401S | 5/32" | 1/8" |
| PM010402S | 5/32" | 1/4" |
| PI010601S | 3/16" | 1/8" |
| PI010801S | 1/4" | 1/8" |
| PI010802S | 1/4" | 1/4" |
| PM010801S | 5/16" | 1/8" |
| PM010802S | 5/16" | 1/4" |
| PM010803S | 5/16" | 3/8" |
| PI011202S | 3/8" | 1/4" |
| PI011203S | 3/8" | 3/8" |
| PI011603S | 1/2" | 3/8" |
| PI011604S | 1/2" | 1/2" |

Male Thread, BSPP

| 1400 | OD | Thread |
|-----------|------|--------|
| PI010812S | 1/4" | 1/4" |
| PI011212S | 3/8" | 1/4" |

Male Thread, NPT

| 1400 | OD | Thread |
|-----------|-------|--------|
| PM010421S | 5/32" | 1/8" |
| PM010422S | 5/32" | 1/4" |
| PI010621S | 3/16" | 1/8" |
| PI010821S | 1/4" | 1/8" |
| PI010822S | 1/4" | 1/4" |
| PI010823S | 1/4" | 3/8" |
| PM010821S | 5/16" | 1/8" |
| PM010822S | 5/16" | 1/4" |
| PM010823S | 5/16" | 3/8" |
| PI011221S | 3/8" | 1/8" |
| PI011222S | 3/8" | 1/4" |
| PI011223S | 3/8" | 3/8" |
| PI011224S | 3/8" | 1/2" |
| PI011623S | 1/2" | 3/8" |
| PI011624S | 1/2" | 1/2" |
| PI012026S | 5/8" | 3/4" |

Equal Straight Connectors



Tube x Tube

| 1400 | OD |
|---------|-------|
| PM0404S | 5/32" |
| PI0406S | 3/16" |
| PI0408S | 1/4" |
| PM0408S | 5/16" |
| PI0412S | 3/8" |
| PI0416S | 1/2" |

Equal Tees



Tube x Tube

| 1400 | OD |
|---------|-------|
| PM0204S | 5/32" |
| PI0206S | 3/16" |
| PI0208S | 1/4" |
| PM0208S | 5/16" |
| PI0212S | 3/8" |
| PI0216S | 1/2" |

Branch Reducing Tees



Tube x Tube

| 1400 | OD | OD |
|-----------|------|------|
| PI301208S | 3/8" | 1/4" |
| PI301612S | 1/2" | 3/8" |

Bulkhead Connectors



Tube x Tube

| 1400 | OD |
|---------|-------|
| PI1206S | 3/16" |
| PI1208S | 1/4" |
| PM1208S | 5/16" |
| PI1212S | 3/8" |
| PI1216S | 1/2" |

Swivel Branch Tee, Leg



BSPT

| 1400 | OD | Thread |
|-----------|------|--------|
| PI100802S | 1/4" | 1/4" |



Swivel Branch Tee, Run



BSPT

| 1400 | OD | Thread |
|-----------|-------|--------|
| PM110801S | 5/16" | 1/8" |

Reducing Bulkhead Connectors



Tube x Tube

| 1400 | OD | OD |
|-----------|------|------|
| PI121208S | 3/8" | 1/4" |

Stem Adaptors



Male Thread, BSPT

| 1400 | Stem OD | Thread |
|-----------|---------|--------|
| PI050801S | 1/4" | 1/8" |
| PI050802S | 1/4" | 1/4" |
| PM050801S | 5/16" | 1/8" |
| PM050802S | 5/16" | 1/4" |
| PI051202S | 3/8" | 1/4" |
| PI051203S | 3/8" | 3/8" |
| PI051603S | 1/2" | 3/8" |
| PI051604S | 1/2" | 1/2" |

Male Thread, BSPP

| 1400 | Stem OD | Thread |
|-----------|---------|--------|
| PI051212S | 3/8" | 1/4" |
| PI051213S | 3/8" | 3/8" |

Male Thread, NPT

| 1400 | Stem OD | Thread |
|-----------|---------|--------|
| PM050421S | 5/32" | 1/8" |
| PM050422S | 5/32" | 1/4" |
| PI050621S | 3/16" | 1/8" |
| PI050821S | 1/4" | 1/8" |
| PI050822S | 1/4" | 1/4" |
| PI050823S | 1/4" | 3/8" |
| PM050821S | 5/16" | 1/8" |
| PM050822S | 5/16" | 1/4" |
| PM050823S | 5/16" | 3/8" |
| PI051222S | 3/8" | 1/4" |
| PI051223S | 3/8" | 3/8" |
| PI051623S | 1/2" | 3/8" |
| PI051624S | 1/2" | 1/2" |

PUSH-IN FITTINGS, IMPERIAL



John Guest

Equal Elbows



Tube x Tube

| 1400 | OD |
|---------|-------|
| PM0304S | 5/32" |
| PI0306S | 3/16" |
| PI0308S | 1/4" |
| PM0308S | 5/16" |
| PI0312S | 3/8" |
| PI0316S | 1/2" |

Reducing Elbows



Tube x Tube

| 1400 | OD | OD |
|-----------|-------|-------|
| PM210804S | 5/16" | 5/32" |
| PI211006S | 5/16" | 3/16" |
| PI211008S | 5/16" | 1/4" |
| PI211206S | 3/8" | 3/16" |
| PI211208S | 3/8" | 1/4" |
| PI211210S | 3/8" | 5/16" |
| PI211610S | 1/2" | 5/16" |
| PI211612S | 1/2" | 3/8" |

Stem Elbows



Tube x Stem

| 1400 | Stem OD | Thread |
|-----------|---------|--------|
| PM220404S | 5/32" | 5/32" |
| PI220606S | 3/16" | 3/16" |
| PI220808S | 1/4" | 1/4" |
| PM220808S | 5/16" | 5/16" |
| PI221206S | 3/8" | 3/16" |
| PI221208S | 3/8" | 1/4" |
| PI221210S | 3/8" | 5/16" |
| PI221212S | 3/8" | 3/8" |
| PI221616S | 1/2" | 1/2" |

Rigid Elbows



Male Thread, NPT

| 1400 | OD | Thread |
|-----------|-------|--------|
| PI480821S | 1/4" | 1/8" |
| PI480822S | 1/4" | 1/4" |
| PI480823S | 1/4" | 3/8" |
| PI481022S | 5/16" | 1/4" |
| PI481023S | 5/16" | 3/8" |
| PI481222S | 3/8" | 1/4" |
| PI481223S | 3/8" | 3/8" |
| PI482024S | 5/8" | 1/2" |

Swivel Elbows



Male Thread, BSPT

| 1400 | OD | Thread |
|-----------|-------|--------|
| PI090801S | 1/4" | 1/8" |
| PI090802S | 1/4" | 1/4" |
| PM090801S | 5/16" | 1/8" |
| PM090803S | 5/16" | 3/8" |
| PI091202S | 3/8" | 1/4" |
| PI091203S | 3/8" | 3/8" |
| PI091603S | 1/2" | 3/8" |
| PI091604S | 1/2" | 1/2" |

Male Thread, NPT

| 1400 | OD | Thread |
|-----------|-------|--------|
| PM090421S | 5/32" | 1/8" |
| PI090621S | 3/16" | 1/8" |
| PI090822S | 1/4" | 1/4" |
| PI091623S | 1/2" | 3/8" |
| PI091624S | 1/2" | 1/2" |

Plugs



Tube

| 1400 | Stem OD |
|---------|---------|
| PM0804S | 5/32" |
| PI0806S | 3/16" |
| PI0808S | 1/4" |
| PM0808S | 5/16" |
| PI0812S | 3/8" |
| PI0816S | 1/2" |

Female Adaptors



BSPP

| 1400 | OD | Thread |
|------------|-------|--------|
| PI451014FS | 5/16" | 1/2" |
| PI451213S | 3/8" | 3/8" |
| PI451214FS | 3/8" | 1/2" |
| PI451613S | 1/2" | 3/8" |



NPT

| 1400 | OD | Thread |
|-----------|------|--------|
| PI450822S | 1/4" | 1/4" |
| PI451222S | 3/8" | 1/4" |

Reducers



Tube x Stem

| 1400 | Stem OD | OD |
|-----------|---------|-------|
| PI060605S | 3/16" | 5/32" |
| PI061006S | 5/16" | 3/16" |
| PI061008S | 5/16" | 1/4" |
| PI061206S | 3/8" | 3/16" |
| PI061208S | 3/8" | 1/4" |
| PI061210S | 3/8" | 5/16" |
| PI061610S | 1/2" | 5/16" |
| PI061612S | 1/2" | 3/8" |

PUSH-IN FITTINGS, IMPERIAL



Dividers



2 Way, Tube x Tube

| 1400 | OD |
|---------|------|
| PI2308S | 1/4" |
| PI2312S | 3/8" |
| PI2316S | 1/2" |



Reducing 2 Way, Tube x Tube

| 1400 | OD A | OD B |
|-----------|------|-------|
| PI241210S | 3/8" | 5/16" |



Reducing 3 Way, Tube x Tube

| 1400 | OD A | OD B |
|-----------|------|------|
| PI491612S | 1/2" | 3/8" |

Enlargers



Tube x Stem

| 1400 | OD | Stem OD |
|-----------|------|---------|
| PI131012S | 3/8" | 5/16" |
| PI131216S | 1/2" | 3/8" |

Cross



Tube x Tube

| 1400 | OD |
|---------|------|
| PI4712S | 3/8" |

U-Bends



Tube x Tube

| 1400 | OD |
|---------|------|
| PIUB16S | 1/2" |

End Stops



| 1400 | OD |
|---------|------|
| PI4608S | 1/4" |
| PI4612S | 3/8" |

Tube to Hose Stems



Stem x Hose Tail

| 1400 | Stem OD | To Suit Hose ID |
|-----------|---------|-----------------|
| PI250806S | 1/4" | 3/16" |
| PI250808S | 1/4" | 1/4" |
| PI250810S | 1/4" | 5/16" |
| PI251006S | 5/16" | 3/16" |
| PI251008S | 5/16" | 1/4" |
| PM250808S | 5/16" | 5/16" |
| PI251012S | 5/16" | 3/8" |
| PI251208S | 3/8" | 1/4" |
| PI251210S | 3/8" | 5/16" |
| PI251212S | 3/8" | 3/8" |
| PI251216S | 3/8" | 1/2" |
| PI251612S | 1/2" | 3/8" |
| PI251616S | 1/2" | 1/2" |

Tube Hose to Elbows



Stem x Hose Tail

| 1400 | Stem OD | To Suit Hose ID |
|-----------|---------|-----------------|
| PI290808S | 1/4" | 1/4" |
| PI290810S | 1/4" | 5/16" |
| PI291008S | 5/16" | 1/4" |
| PM290808S | 5/16" | 5/16" |
| PI291208S | 3/8" | 1/4" |
| PI291210S | 3/8" | 5/16" |

Reducing Straight Connectors



Tube x Tube

| 1400 | OD A | OD B |
|-----------|-------|-------|
| PI200806S | 1/4" | 3/16" |
| PM200804S | 5/16" | 5/32" |
| PI201006S | 5/16" | 3/16" |
| PI201008S | 5/16" | 1/4" |
| PI201206S | 3/8" | 3/16" |
| PI201208S | 3/8" | 1/4" |
| PI201210S | 3/8" | 5/16" |
| PI201610S | 1/2" | 5/16" |
| PI201612S | 1/2" | 3/8" |

Flow Bend Tube Clips



90°

| 1400 | OD mm | OD |
|---------|-------|-------|
| PM2608S | 8 | 5/16" |
| PM2610S | 10 | 3/8" |

Tube Supports



Tube

| 1400 | To Suit Hose ID |
|---------|-----------------|
| TSI250S | 1/4" |
| TSI312S | 5/16" |
| TSI375S | 3/8" |

Locking Clip



| 1400 | OD |
|----------|------|
| PIC1808R | 1/4" |
| PIC1812R | 3/8" |

Collet Covers



Imperial

| 1400 | OD |
|---------|-------|
| PM1904S | 5/32" |
| PI1908S | 1/4" |
| PM1908S | 5/16" |
| PI1916S | 1/2" |