



techhose

QUALITY CONNECTIONS

Hydraulics

Pneumatics
& Vacuum

Industrial

Compressed Air
& Ring Main

Process &
Instrumentation

Push-in Fittings & Tubing

Metal Push-in Fittings

ALL METAL PUSH-IN FITTINGS

One Touch



Features:

- Convenient One Touch fittings provide instant connections
- Light manual pressure on the collet ring is all that is required to instantly disconnect each tube; no special tool is required
- Nickel-plated brass ensures anti-corrosion and anti-contamination



Working Temperature:
-10°C to +60°C



Working Pressure
-0.8 bar to 8 bar*

*Dependent upon tubing specification.

Construction:

Resin Body: Nickel-plated brass

Packing: Nitrile

Back O-Ring: POM

O-Ring: Nitrile

Collet Ring: Nickel-plated brass

ALL METAL PUSH-IN FITTINGS


One Touch Emergency Fittings Kits



Convenient, compact boxes containing a selection of popular FT Pro One Touch metal 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:**
-10°C to +60°C*

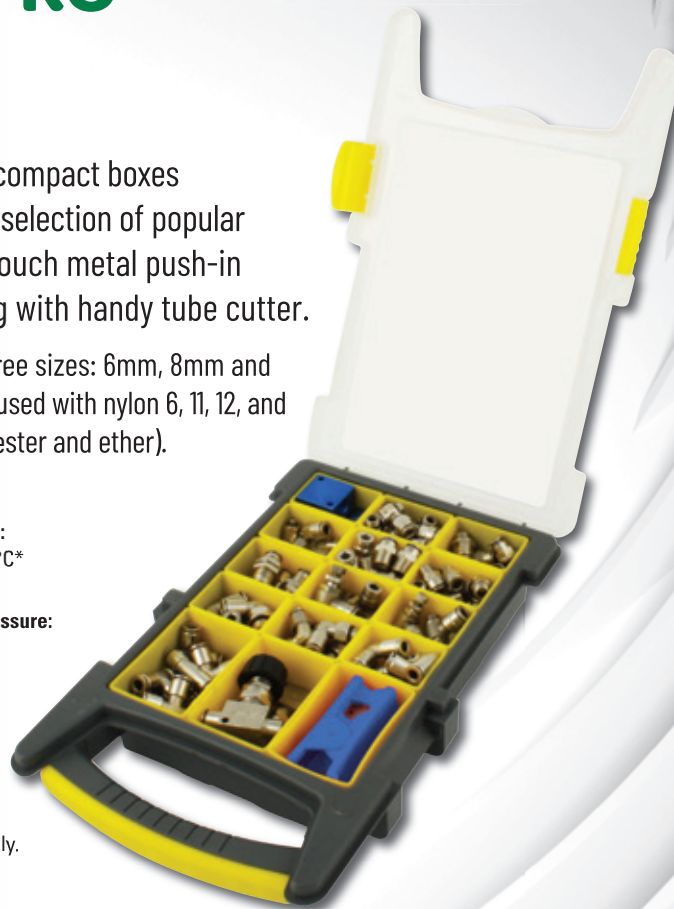
 **Working Pressure:**
0.8 to 8 bar*

Media:
Air and vacuum only.

Metal Push-in

0315	OD mm
FTP-06MMBOX-M	6
FTP-08MMBOX-M	8
FTP-10MMBOX-M	10

Tech Sheet 3130



Contents:

6mm

Metal Push-in Fittings & Tube Cutter

1 x Tube Cutter KTC-1	2 x Shut Off Valves MNSF06	10 x Equal Tees MPUT-6	
8 x Equal Elbows MPUL-6	8 x 1/8" BSPP Male Stud Elbows MPL6-G01	5 x 1/4" BSPP Male Stud Elbows MPL6-G02	
2 x 1/8" BSPT Speed Controllers MNSE6-G01	2 x 1/4" BSPT Speed Controllers MNSE6-G02	10 x Equal Connectors MPUC-6	2 x Equal Bulkheads MPM-6
10 x 1/8" BSPT Male Studs MPC6-01	10 x 1/4" BSPT Male Studs MPC6-02	5 x M5 BSPT Male Studs MPC6-M5	
10 x 1/8" BSPP Male Studs MPC6-G01	10 x 1/4" BSPP Male Studs MPC6-G02	4 x 1/8" Manifolds KMDS-1/8	

8mm

Metal Push-in Fittings & Tube Cutter

1 x Tube Cutter KTC-1	2 x Shut Off Valves MNSF08	6 x Equal Tees MPUT-8	2 x Equal Bulkheads MPM-8
6 x Equal Elbows MPUL-8	6 x 1/8" BSPP Male Stud Elbows MPL8-G01	5 x 1/4" BSPP Male Stud Elbows MPL8-G02	
2 x 1/8" BSPT Speed Controllers MNSE8-G01	2 x 1/4" BSPT Speed Controllers MNSE8-G02	10 x Equal Connectors MPUC-8	
10 x 1/8" BSPT Male Studs MPC8-01	10 x 1/4" BSPT Male Studs MPC8-02	8 x 3/8" BSPT Male Studs MPC8-03	
8 x 1/8" BSPP Male Studs MPC8-G01	8 x 1/4" BSPP Male Studs MPC8-G02	4 x 1/8" Manifolds KMDS-1/8	

10mm

Metal Push-in Fittings & Tube Cutter

1 x Tube Cutter KTC-1	1 x Shut Off Valve MNSF10	4 x Equal Tees MPUT-10
2 x Equal Elbows MPUL-10	2 x 1/4" BSPP Male Stud Elbows MPL10-G01	2 x 3/8" BSPP Male Stud Elbows MPL10-G03
2 x 1/4" BSPT Speed Controllers MNSE10-G02	1 x 3/8" BSPT Speed Controller MNSE10-G03	6 x Equal Connectors MPUC-10
8 x 1/4" BSPT Male Studs MPC10-02	10 x 3/8" BSPT Male Studs MPC10-03	2 x Equal Bulkheads MPM-10
8 x 1/4" BSPP Male Studs MPC10-G02	5 x 3/8" BSPP Male Studs MPC10-G03	1 x 1/4" Manifolds KMDS-1/4

*Dependent upon tubing specification.

ONE TOUCH ALL METAL PUSH-IN FITTINGS



Working Temperature:
-10°C to +60°C
(dependent upon
tubing specification)

Working Pressure:
0.8 to 8 bar (dependent
upon tubing specification)

Tube connection and disconnection can be repeated several times and is performed with one hand, without the use of tools. Nickel plated brass bodies ensures anti-corrosion and anti-contamination.

Material: Body and Collet: Nickel plated brass
O-Ring: Nitrile
Threads: BSPT, BSPP and metric
Tube to Connect: PU, PE, nylon 6-11-12
Fluid: Compressed air

Male Studs



Male Thread, Metric & BSPT

0315	OD mm	Thread
MPC4-M5	4	M5
MPC4-01	4	1/8"
MPC4-M6	4	M6
MPC4-02	4	1/4"
MPC6-M5	6	M5
MPC6-01	6	1/8"
MPC6-M6	6	M6
MPC6-02	6	1/4"
MPC8-01	8	1/8"
MPC8-02	8	1/4"
MPC8-03	8	3/8"
MPC10-02	10	1/4"
MPC10-03	10	3/8"
MPC10-04	10	1/2"
MPC12-02	12	1/4"
MPC12-03	12	3/8"
MPC12-04	12	1/2"

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Male Thread, BSPP

0315	OD mm	Thread
MPC4-G01	4	1/8"
MPC4-G02	4	1/4"
MPC6-G01	6	1/8"
MPC6-G02	6	1/4"
MPC6-G03	6	3/8"
MPC6-G04	6	1/2"
MPC8-G01	8	1/8"
MPC8-G02	8	1/4"
MPC8-G03	8	3/8"
MPC8-G04	8	1/2"
MPC10-G02	10	1/4"
MPC10-G03	10	3/8"
MPC10-G04	10	1/2"
MPC12-G02	12	1/4"
MPC12-G03	12	3/8"
MPC12-G04	12	1/2"
MPC14-G03	14	3/8"
MPC14-G04	14	1/2"

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Male Hex Studs



Male Super Thread

0315	OD mm	Thread
MPCS4-G01	4	1/8"
MPCS4-G02	4	1/4"
MPCS6-G01	6	1/8"
MPCS6-G02	6	1/4"
MPCS6-G03	6	3/8"
MPCS6-G04	6	1/2"
MPCS8-G01	8	1/8"
MPCS8-G02	8	1/4"
MPCS8-G03	8	3/8"
MPCS8-G04	8	1/2"
MPCS10-G02	10	1/4"
MPCS10-G03	10	3/8"
MPCS10-G04	10	1/2"
MPCS12-G02	12	1/4"
MPCS12-G03	12	3/8"
MPCS12-G04	12	1/2"
MPCS14-G03	14	3/8"
MPCS14-G04	14	1/2"

Male Round Studs



Male Super Thread

0315	OD mm	Thread
MPCS4-M5	4	M5
MPCS4-01	4	1/8"
MPCS6-M5	6	M5
MPCS6-01	6	1/8"
MPCS6-02	6	1/4"
MPCS8-01	8	1/8"
MPCS8-02	8	1/4"

Female Studs



Female Thread, BSPP

0315	OD mm	Thread
MPCF4-G01	4	1/8"
MPCF4-G02	4	1/4"
MPCF6-G01	6	1/8"
MPCF6-G02	6	1/4"
MPCF8-G01	8	1/8"
MPCF8-G02	8	1/4"
MPCF8-G03	8	3/8"
MPCF10-G02	10	1/4"
MPCF10-G03	10	3/8"
MPCF10-G04	10	1/2"
MPCF12-G02	12	1/4"
MPCF12-G03	12	3/8"
MPCF12-G04	12	1/2"

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Female Bulkhead Connectors



Female Thread, BSPP

0315	OD mm	Thread
MPMF6-G01	6	1/8"
MPMF6-G02	6	1/4"

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Female Swivel Elbows



Female Thread, BSPP

0315	OD mm	Thread
MPLF4-G01	4	1/8"
MPLF6-G01	6	1/8"
MPLF6-G02	6	1/4"
MPLF8-G02	8	1/4"
MPLF8-G04	8	1/2"
MPLF10-G02	10	1/4"

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ONE TOUCH ALL METAL PUSH-IN FITTINGS



Working Temperature:
-10°C to +60°C
(dependent upon
tubing specification)



Working Pressure:
0.8 to 8 bar (dependent
upon tubing specification)

Tube connection and disconnection can be repeated several times and is performed with one hand, without the use of tools. Nickel plated brass bodies ensures anti-corrosion and anti-contamination.

Material: Body and Collet: Nickel plated brass
O-Ring: Nitrile
Threads: BSPT, BSPP and metric
Tube to Connect: PU, PE, nylon 6-11-12
Fluid: Compressed air

Male Stud Swivel Elbows



Male Thread, Metric & BSPT

0315	OD mm	Thread
MPL4-01	4	1/8"
MPL6-01	6	1/8"
MPL6-02	6	1/4"
MPL8-01	8	1/8"
MPL8-02	8	1/4"
MPL8-03	8	3/8"
MPL8-04	8	1/2"
MPL10-02	10	1/4"
MPL10-03	10	3/8"
MPL10-04	10	1/2"
MPL12-02	12	1/4"
MPL12-03	12	3/8"
MPL12-04	12	1/2"
5711114-3/8	14	3/8"
5711114-1/2	14	1/2"

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Male Thread, BSPP

0315	OD mm	Thread
MPL4-M5	4	M5
MPL4-G01	4	1/8"
MPL4-G02	4	1/4"
MPL6-M5	6	M5
MPL6-G01	6	1/8"
MPL6-G02	6	1/4"
MPL8-G01	8	1/8"
MPL8-G02	8	1/4"
MPL8-G03	8	3/8"
MPL8-G04	8	1/2"
MPL10-G02	10	1/4"
MPL10-G03	10	3/8"
MPL10-G04	10	1/2"
MPL12-G02	12	1/4"
MPL12-G03	12	3/8"
MPL12-G04	12	1/2"
MPL14-G03	14	3/8"
MPL14-G04	14	1/2"

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Extended Male Thread, BSPP

0315	OD mm	Thread
MPLL4-G01	4	1/8"
MPLL6-G01	6	1/8"
MPLL6-G02	6	1/4"
MPLL8-G01	8	1/8"
MPLL8-G02	8	1/4"
MPLL8-G03	8	3/8"
MPLL10-G02	10	1/4"
MPLL10-G03	10	3/8"
MPLL10-G04	10	1/2"
MPLL12-G02	12	1/4"
MPLL12-G03	12	3/8"
MPLL12-G04	12	1/2"

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Male Stud Swivel Tees



Branch Male Thread, BSPP

0315	OD mm	Thread
MPB4-M5	4	M5
MPB4-G01	4	1/8"
MPB4-G02	4	1/4"
MPB6-M5	6	M5
MPB6-G01	6	1/8"
MPB6-G02	6	1/4"
MPB8-G01	8	1/8"
MPB8-G02	8	1/4"
MPB8-G03	8	3/8"
MPB8-G04	8	1/2"
MPB10-G02	10	1/4"
MPB10-G03	10	3/8"
MPB10-G04	10	1/2"
MPB12-G03	12	3/8"
MPB12-G04	12	1/2"
MPB14-G03	14	3/8"
MPB14-G04	14	1/2"

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Single Banjos



Male Thread, Metric & BSPP

0315	OD mm	Thread
MPH4-M5	4	M5
MPH4-G01	4	1/8"
MPH6-G01	6	1/8"
MPH8-G01	8	1/8"
MPH8-G02	8	1/4"

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Speed Control Valves



Tube x Metric & BSPP

0315	OD mm	Thread
MNSE4-M5	4	M5
MNSE4-G01	4	1/8"
MNSE4-G02	4	1/4"
MNSE6-G01	6	1/8"
MNSE6-G02	6	1/4"
MNSE8-G01	8	1/8"
MNSE8-G02	8	1/4"
MNSE8-G03	8	3/8"
MNSE10-G02	10	1/4"
MNSE10-G03	10	3/8"
MNSE10-G04	10	1/2"
MNSE12-G02	12	1/4"
MNSE12-G03	12	3/8"
MNSE12-G04	12	1/2"

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ONE TOUCH ALL METAL PUSH-IN FITTINGS



Working Temperature:
-10°C to +60°C
(dependent upon
tubing specification)

Working Pressure:
0.8 to 8 bar (dependent
upon tubing specification)

Tube connection and disconnection can be repeated several times and is performed with one hand, without the use of tools. Nickel plated brass bodies ensures anti-corrosion and anti-contamination.

Material: Body and Collet: Nickel plated brass
O-Ring: Nitrile
Threads: BSPT, BSPP and metric
Tube to Connect: PU, PE, nylon 6-11-12
Fluid: Compressed air

Tube x Tube Connectors

Equal Straights

0315	OD mm
MPUC-4	4
MPUC-6	6
MPUC-8	8
MPUC-10	10
MPUC-12	12
MPUC-14	14

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Unequal Straights

0315	OD mm	OD mm
MPG6-4	6	4
MPG8-6	8	6
MPG10-8	10	8
MPG12-10	12	10

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Equal Elbows

0315	OD mm
MPUL-4	4
MPUL-6	6
MPUL-8	8
MPUL-10	10
MPUL-12	12
MPUL-14	14

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Equal Tees

0315	OD mm
MPUT-4	4
MPUT-6	6
MPUT-8	8
MPUT-10	10
MPUT-12	12
MPUT-14	14

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Equal Ys

0315	OD mm
MPY-6	6
MPY-8	8

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Equal Bulkheads

0315	OD mm
MPM-4	4
MPM-6	6
MPM-8	8
MPM-10	10
MPM-12	12

Tech Sheet 3130

Tube x Stem Connectors

Straight, Tube x Stem

0315	Stem OD mm	OD mm
MPJG6-4	6	4
MPJG8-4	8	4
MPJG8-6	8	6
MPJG10-4	10	4
MPJG10-6	10	6
MPJG10-8	10	8
MPJG12-8	12	8
MPJG12-10	12	10

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Standpipes

Male Thread, BSPP

0315	Stem OD mm	Thread
MPCJ4-G01	4	1/8"
MPCJ4-G02	4	1/4"
MPCJ6-G01	6	1/8"
MPCJ6-G02	6	1/4"
MPCJ8-G02	8	1/4"
MPCJ8-G03	8	3/8"
MPCJ8-G04	8	1/2"
MPCJ10-G02	10	1/4"
MPCJ10-G03	10	3/8"
MPCJ10-G04	10	1/2"
MPCJ12-G02	12	1/4"
MPCJ12-G03	12	3/8"
MPCJ12-G04	12	1/2"

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Female Thread, BSPP

0315	Stem OD mm	Thread
MPCFJ4-G01	4	1/8"
MPCFJ4-G02	4	1/4"
MPCFJ6-G01	6	1/8"
MPCFJ6-G02	6	1/4"
MPCFJ8-G02	8	1/4"
MPCFJ8-G03	8	3/8"
MPCFJ8-G04	8	1/2"
MPCFJ10-G02	10	1/4"
MPCFJ10-G03	10	3/8"
MPCFJ10-G04	10	1/2"
MPCFJ12-G02	12	1/4"
MPCFJ12-G03	12	3/8"
MPCFJ12-G04	12	1/2"

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Shut Off Valves


Tube x Tube

0315	OD mm
MNSF04	4
MNSF06	6
MNSF08	8
MNSF10	10
MNSF12	12

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LF 3600® PUSH-IN FITTINGS

All metal new LF 3600 (except sealing components) is compatible with many liquids and gases of average aggressiveness and is ideal for environments that require mechanical strength-incorporating high phosphorus chemical nickel plating that conforms to FDA standard (FOOD AND DRUG ADMINISTRATION).

 **Working Temperature:**
-20°C to +120°C

 **Maximum Working Pressure for Compressed Air:**
20 bar



NOTE: Ideal for food applications.

These fittings represents only part of this new range, for full details please speak to our technical department.



Male Stud Fittings



BSPT

1014	OD mm	Thread
LE-3675 04 10	4	1/8"
LE-3675 04 13	4	1/4"
LE-3675 06 10	6	1/8"
LE-3675 06 13	6	1/4"
LE-3675 08 10	8	1/8"
LE-3675 08 13	8	1/4"
LE-3675 08 17	8	3/8"
LE-3675 10 13	10	1/4"
LE-3675 10 17	10	3/8"
LE-3675 10 21	10	1/2"
LE-3675 12 13	12	1/4"
LE-3675 12 17	12	3/8"
LE-3675 12 21	12	1/2"
LE-3675 14 17	14	3/8"
LE-3675 14 21	14	1/2"

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Standpipe, BSPT

1014	Stem OD mm	Thread
LE-3621 04 10	4	1/8"
LE-3621 06 10	6	1/8"
LE-3621 06 13	6	1/4"
LE-3621 08 10	8	1/8"
LE-3621 08 13	8	1/4"
LE-3621 10 13	10	1/4"
LE-3621 10 17	10	3/8"
LE-3621 12 17	12	3/8"
LE-3621 12 21	12	1/2"

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Elbow, BSPT

1014	OD mm	Thread
LE-3609 04 10	4	1/8"
LE-3609 04 13	4	1/4"
LE-3609 06 10	6	1/8"
LE-3609 06 13	6	1/4"
LE-3609 08 10	8	1/8"
LE-3609 08 13	8	1/4"
LE-3609 08 17	8	3/8"
LE-3609 10 13	10	1/4"
LE-3609 10 17	10	3/8"
LE-3609 12 13	12	1/4"
LE-3609 12 17	12	3/8"
LE-3609 12 21	12	1/2"
LE-3609 14 21	14	1/2"

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Hexagon, Metric & BSPP

1014	OD mm	Thread
LE-3601 04 10	4	1/8"
LE-3601 04 52	4	M6 x 1
LE-3601 04 13	4	1/4"
LE-3601 04 56	4	M8 x 1
LE-3601 06 19	6	M5 x 0.8
LE-3601 06 10	6	1/8"
LE-3601 06 60	6	M10 x 1
LE-3601 06 13	6	1/4"
LE-3601 08 10	8	1/8"
LE-3601 08 13	8	1/4"
LE-3601 08 17	8	3/8"
LE-3601 10 13	10	1/4"
LE-3601 10 17	10	3/8"
LE-3601 10 21	10	1/2"
LE-3601 12 13	12	1/4"
LE-3601 12 17	12	3/8"
LE-3601 12 21	12	1/2"
LE-3601 14 17	14	3/8"
LE-3601 14 21	14	1/2"

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Metric

1014	OD mm	Thread
LE-3681 04 19	4	M5 x 0.8

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Extended Male Stud Elbow, Metric & BSPP

1014	OD mm	Thread
LE-3669 04 19	4	M5 x 0.8
LE-3669 04 10	4	1/8"
LE-3669 06 10	6	1/8"
LE-3669 06 13	6	1/4"
LE-3669 08 10	8	1/8"
LE-3669 08 13	8	1/4"
LE-3669 10 13	10	1/4"
LE-3669 10 17	10	3/8"
LE-3669 12 17	12	3/8"
LE-3669 14 21	14	1/2"

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Standpipe, Metric & BSPP

1014	Stem OD mm	Thread
LE-3631 04 19	4	M5 x 0.8
LE-3631 04 10	4	1/8"
LE-3631 06 10	6	1/8"
LE-3631 06 13	6	1/4"
LE-3631 08 13	8	1/4"
LE-3631 10 13	10	1/4"
LE-3631 10 17	10	3/8"
LE-3631 10 21	10	1/2"
LE-3631 12 17	12	3/8"
LE-3631 12 21	12	1/2"
LE-3631 14 21	14	1/2"

Tech Sheet 1528

LF 3600® PUSH-IN FITTINGS



Male Stud Fittings



Elbow, Metric & BSPP

1014	OD mm	Thread
LE-3699 04 19	4	M5 x 0.8
LE-3699 04 52	4	M6 x 1
LE-3699 04 13	4	1/4"
LE-3699 04 56	4	M8 x 1
LE-3699 06 10	6	1/8"
LE-3699 06 60	6	M10 x 1
LE-3699 06 13	6	1/4"
LE-3699 08 10	8	1/8"
LE-3699 08 13	8	1/4"
LE-3699 08 17	8	3/8"
LE-3699 10 13	10	1/4"
LE-3699 10 17	10	3/8"
LE-3699 12 13	12	1/4"
LE-3699 12 17	12	3/8"
LE-3699 12 21	12	1/2"
LE-3699 14 17	14	3/8"

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Branch Tee, BSPT

1014	OD mm	Thread
LE-3608 06 10	6	1/8"
LE-3608 06 13	6	1/4"
LE-3608 08 13	8	1/4"
LE-3608 10 13	10	1/4"
LE-3608 12 17	12	3/8"
LE-3608 14 21	14	1/2"

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Run Tee, BSPT

1014	OD mm	Thread
LE-3603 06 10	6	1/8"
LE-3603 06 13	6	1/4"
LE-3603 08 13	8	1/4"
LE-3603 10 13	10	1/4"

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Branch Tee, BSPP

1014	OD mm	Thread
LE-3698 04 10	4	1/8"
LE-3698 06 13	6	1/4"
LE-3698 08 13	8	1/4"
LE-3698 14 21	14	1/2"

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Run Tee, BSPP

1014	OD mm	Thread
LE-3693 06 10	6	1/8"
LE-3693 08 13	8	1/4"

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Extended Stud Elbow, BSPT

1014	OD mm	Thread
LE-3629 04 10	4	1/8"
LE-3629 06 10	6	1/8"
LE-3629 06 13	6	1/4"
LE-3629 08 10	8	1/8"
LE-3629 08 13	8	1/4"

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Female Stud Fittings



Female Stud Hexagon, Metric & BSPP

1014	OD mm	Thread
LE-3614 04 10	4	1/8"
LE-3614 04 13	4	1/4"
LE-3614 06 10	6	1/8"
LE-3614 06 13	6	1/4"
LE-3614 08 10	8	1/8"
LE-3614 08 13	8	1/4"
LE-3614 10 17	10	3/8"
LE-3614 12 17	12	3/8"
LE-3614 12 21	12	1/2"

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Single Banjo c/w Bolt



Metric & BSPP

1014	OD mm	Thread
LE-3618 04 19	4	M5 x 0.8
LE-3618 04 10	4	1/8"
LE-3618 06 19	6	M5 x 0.8
LE-3618 06 10	6	1/8"
LE-3618 06 13	6	1/4"
LE-3618 08 10	8	1/8"
LE-3618 08 13	8	1/4"
LE-3618 10 17	10	3/8"

Tech Sheet 1528

Equal Connectors



Tube x Tube

1014	OD mm
LE-3606 04 00	4
LE-3606 06 00	6
LE-3606 08 00	8
LE-3606 10 00	10
LE-3606 12 00	12
LE-3606 14 00	14

Tech Sheet 1528

LF 3600® PUSH-IN FITTINGS



Equal Elbows



Tube x Tube

1014	OD mm
LE-3602 04 00	4
LE-3602 06 00	6
LE-3602 08 00	8
LE-3602 10 00	10
LE-3602 12 00	12
LE-3602 14 00	14

Tech Sheet 1528

Equal Tees



Tube x Tube

1014	OD mm
LE-3604 04 00	4
LE-3604 06 00	6
LE-3604 08 00	8
LE-3604 10 00	10
LE-3604 12 00	12
LE-3604 14 00	14

Tech Sheet 1528

Double Male Stem Connectors



Stem x Stem

1014	Stem OD mm
LE-3620 04 00	4
LE-3620 06 00	6
LE-3620 08 00	8
LE-3620 10 00	10
LE-3620 12 00	12

Tech Sheet 1528

Equal Bulkhead Elbows



Tube x Tube

1014	OD mm
LE-3639 04 00	4
LE-3639 06 00	6
LE-3639 08 00	8
LE-3639 10 00	10
LE-3639 12 00	12

Tech Sheet 1528

Bulkhead Connectors



Tube x Tube

1014	OD mm
LE-3616 04 00	4
LE-3616 06 00	6
LE-3616 08 00	8
LE-3616 10 00	10
LE-3616 12 00	12
LE-3616 14 00	14

Tech Sheet 1528



Female, BSPP

1014	OD mm	Thread
LE-3636 06 10	6	1/8"
LE-3636 06 13	6	1/4"
LE-3636 08 10	8	1/8"
LE-3636 08 13	8	1/4"
LE-3636 10 17	10	3/8"
LE-3636 12 21	12	1/2"

Tech Sheet 1528

Blanking Plugs



Tube

1014	Stem OD mm
LE-3626 04 00	4
LE-3626 06 00	6
LE-3626 08 00	8
LE-3626 10 00	10
LE-3626 12 00	12

Tech Sheet 1528

Plug-in Fittings



Reducer, Tube x Stem

1014	OD mm	Stem OD mm
LE-3666 04 06	4	6
LE-3666 04 08	4	8
LE-3666 06 08	6	8
LE-3666 06 10	6	10
LE-3666 08 10	8	10
LE-3666 08 12	8	12
LE-3666 10 12	10	12
LE-3666 12 14	12	14

Tech Sheet 1528



Increaser

1014	OD mm	Stem OD mm
LE-3668 06 04	6	4

Tech Sheet 1528



Metric/Imperial Adaptor, Tube x Stem

1014	OD	Stem OD mm
LE-3667 06 56	1/4"	6

Tech Sheet 1528



Stem x Hose Tail

1014	Stem OD	To Suit Hose ID mm
LE-3622 04 53	4	3.2
LE-3622 04 05	4	5
LE-3622 06 05	6	5
LE-3622 08 56	8	6.3
LE-3622 08 08	8	8
LE-3622 10 56	10	6.3
LE-3622 10 08	10	8
LE-3622 12 08	12	8
LE-3622 12 10	12	10
LE-3622 12 62	12	12.5

Tech Sheet 1528

CENTRALISED LUBRICATION SYSTEM FITTINGS



This range of fittings has been designed for uses involving both rotation or linear movements which require lubrication.

Designed using Legris push-in technology, this range is produced with specific applications in mind, hence its:

- Emphasis on safety – the tube cannot be disconnected without using a spanner
- Nitrile seals on nut assemblies
- Sealing of tube by 2 O-rings in addition to the gripping teeth

Working Temperature: -40°C to +120°C
Working Pressure: Up to 60 bar

The characteristics provide a perfect component for such applications as:

- Lubrication circuits on industrial machinery: Wood industry, textile, paper, cement industry
- Lubrication on industrial equipment and vehicles (trucks)
- Lubrication on public works vehicles (mobile cranes) and agricultural equipment

Suitable Fluids: Lubricating oils, liquid or viscous greases, oil sprays

Material:
Body: Brass
Seals: Nitrile rubber

Equal Connectors



Equal Straights

1012	OD mm
LE-6106 04 00	4
LE-6106 06 00	6
LE-6106 08 00	8



Equal Tees

1012	OD mm
LE-6104 04 00	4

Copper Washers



1012	OD mm
LE-0138 08 00	8
LE-0138 10 00	10
LE-0138 12 00	12

Close Tolerance Rigid Nylon



25 Metre Coils, Black

6001	OD mm	ID mm	Bend Radius mm
1025L04 01 25	4	2.5	35
1025L06 01	6	4	45
1025L08 01 05	8	5	70
1025L08 01	8	6	65

Stud Couplings



Male Studs, BSPT

1012	OD mm	Thread
LE-6105 04 10	4	1/8"
LE-6105 06 10	6	1/8"
LE-6105 04 13	4	1/4"
LE-6105 06 13	6	1/4"



Male Studs, Metric Taper

1012	OD mm	Thread
LE-6105 04 52	4	M6 x 1
LE-6105 04 56	4	M8 x 1
LE-6105 04 57	4	M8 x 1.25
LE-6105 04 60	4	M10 x 1
LE-6105 06 60	6	M10 x 1



Male Studs, Metric Parallel

1012	OD mm	Thread
LE-6101 06 60	6	M10 x 1
LE-6101 06 65	6	M12 x 1



Female Studs, Metric Parallel

1012	OD mm	Thread
LE-6114 04 56	4	M8 x 1
LE-6114 06 56	6	M8 x 1



Male Stud Elbows, BSPT

1012	OD mm	Thread
LE-6179 04 10	4	1/8"
LE-6179 06 10	6	1/8"
LE-6179 04 13	4	1/4"
LE-6179 06 13	6	1/4"



Male Stud Elbows, Metric

1012	OD mm	Thread
LE-6179 04 52	4	M6 x 1
LE-6179 04 56	4	M8 x 1
LE-6179 04 57	4	M8 x 1.25
LE-6179 04 60	4	M10 x 1
LE-6179 06 65	6	M12 x 1
LE-6179 08 65	8	M12 x 1

50000 SERIES - BRASS PUSH-IN FITTINGS



Working Temperature:
-20°C to +80°C



Maximum Working Pressure:
-0.99 to 20 bar (290 psi)

Media:
Suitable for compressed air and vacuum

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

Male Studs



Male Thread, Metric & BSPP

1020	OD mm	Thread
P2-3-M5	3	M5
P2-4-M5	4	M5
P2-4-1/8	4	1/8"
P2-4-1/4	4	1/4"
P2-5-M5	5	M5
P2-5-1/8	5	1/8"
P2-6-M5	6	M5
P2-6-1/8	6	1/8"
P2-6-1/4	6	1/4"
P2-6-3/8	6	3/8"
P2-6-1/2	6	1/2"
P2-8-1/8	8	1/8"
P2-8-1/4	8	1/4"
P2-8-3/8	8	3/8"
P2-8-1/2	8	1/2"
P2-10-1/4	10	1/4"
P2-10-3/8	10	3/8"
P2-10-1/2	10	1/2"
P2-12-1/4	12	1/4"
P2-12-3/8	12	3/8"
P2-12-1/2	12	1/2"
P2-14-3/8	14	3/8"
P2-14-1/2	14	1/2"

Tech Sheet 30106



Male Thread, BSPT (Universal Short)

1020	OD mm	Thread
P1-4-1/8	4	1/8"
P1-4-1/4	4	1/4"
P1-5-1/8	5	1/8"
P1-5-1/4	5	1/4"
P1-6-1/8	6	1/8"
P1-6-1/4	6	1/4"
P1-6-3/8	6	3/8"
P1-6-1/2	6	1/2"
P1-8-1/8	8	1/8"
P1-8-1/4	8	1/4"
P1-8-3/8	8	3/8"
P1-8-1/2	8	1/2"
P1-10-1/4	10	1/4"
P1-10-3/8	10	3/8"
P1-10-1/2	10	1/2"
P1-12-1/4	12	1/4"
P1-12-3/8	12	3/8"
P1-12-1/2	12	1/2"
P1-14-3/8	14	3/8"
P1-14-1/2	14	1/2"

Tech Sheet 30106

Universal, BSPT, BSPP & NPT (Round Body, Internal Hex)



1020	OD mm	Thread
P20-3-M5	3	M5
P20-4-M5	4	M5
P20-4-1/8	4	1/8"
P20-6-M5	6	M5
P20-6-1/8	6	1/8"
P20-6-1/4	6	1/4"
P20-8-1/8	8	1/8"
P20-8-1/4	8	1/4"

Tech Sheet 30106

Female Studs



Female Thread, Metric & BSPP

1020	OD mm	Thread
P3-3-M5	3	M5
P3-4-M5	4	M5
P3-4-1/8	4	1/8"
P3-4-1/4	4	1/4"
P3-5-1/8	5	1/8"
P3-6-1/8	6	1/8"
P3-6-1/4	6	1/4"
P3-8-1/8	8	1/8"
P3-8-1/4	8	1/4"
P3-8-3/8	8	3/8"
P3-10-1/4	10	1/4"
P3-10-3/8	10	3/8"
P3-10-1/2	10	1/2"
P3-12-3/8	12	3/8"
P3-12-1/2	12	1/2"

Tech Sheet 30106

Male Stud Elbows



Universal, BSPT, BSPP & NPT

1020	OD mm	Thread
P6-4-M5	4	M5
P6-4-1/8	4	1/8"
P6-5-1/8	5	1/8"
P6-6-1/8	6	1/8"
P6-6-1/4	6	1/4"
P6-8-1/8	8	1/8"
P6-8-1/4	8	1/4"
P6-10-1/4	10	1/4"
P6-10-3/8	10	3/8"
P6-12-1/4	12	1/4"
P6-12-3/8	12	3/8"

Tech Sheet 30106

Male Stud Swivel Elbows



Extended Male Thread, BSPP

1020	OD mm	Thread
P51-6-18	6	1/8"
P51-6-14	6	1/4"
P51-8-14	8	1/4"
P51-8-38	8	3/8"

Tech Sheet 30106



Extended Male, Universal, BSPT, BSPP & NPT

1020	OD mm	Thread
P50-4-18	4	1/8"
P50-6-18	6	1/8"
P50-6-14	6	1/4"
P50-8-18	8	1/8"
P50-8-14	8	1/4"
P50-10-38	10	3/8"

Tech Sheet 30106

50000 SERIES - BRASS PUSH-IN FITTINGS



Working Temperature:
-18°C to +70°C

Maximum Working Pressure:
20 bar (220 psi)

Media:
Suitable for compressed air and vacuum

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

Male Stud Swivel Elbows



Male Thread, Metric & BSPP

1020	OD	Thread
P8-3-M5	3	M5
P8-4-M5	4	M5
P8-4-1/8	4	1/8"
P8-4-1/4	4	1/4"
P8-5-M5	5	M5
P8-5-1/8	5	1/8"
P8-6-M5	6	M5
P8-6-1/8	6	1/8"
P8-6-1/4	6	1/4"
P8-6-3/8	6	3/8"
P8-8-1/8	8	1/8"
P8-8-1/4	8	1/4"
P8-8-3/8	8	3/8"
P8-8-1/2	8	1/2"
P8-10-1/4	10	1/4"
P8-10-3/8	10	3/8"
P8-10-1/2	10	1/2"
P8-12-1/4	12	1/4"
P8-12-3/8	12	3/8"
P8-12-1/2	12	1/2"
P8-14-3/8	14	3/8"
P8-14-1/2	14	1/2"

Tech Sheet 30106



Universal, BSPT, BSPP & NPT

1020	OD mm	Thread
P7-4-1/8	4	1/8"
P7-4-1/4	4	1/4"
P7-5-1/8	5	1/8"
P7-6-1/8	6	1/8"
P7-6-1/4	6	1/4"
P7-8-1/8	8	1/8"
P7-8-1/4	8	1/4"
P7-8-3/8	8	3/8"
P7-8-1/2	8	1/2"
P7-10-1/4	10	1/4"
P7-10-3/8	10	3/8"
P7-10-1/2	10	1/2"
P7-12-3/8	12	3/8"
P7-12-1/2	12	1/2"
P7-14-3/8	14	3/8"
P7-14-1/2	14	1/2"

Tech Sheet 30106

Female Stud Elbows



Female Thread, BSPP

1020	OD mm	Thread
P14-4-18	4	1/8"
P14-4-14	4	1/4"
P14-6-18	6	1/8"
P14-6-14	6	1/4"
P14-8-18	8	1/8"
P14-8-14	8	1/4"
P14-8-38	8	3/8"

Tech Sheet 30106

Male Stud Tees



Branch Male Thread, BSPT

1020	OD mm	Thread
P10-4-1/8	4	1/8"
P10-5-1/8	5	1/8"
P10-6-1/8	6	1/8"
P10-8-1/8	8	1/8"
P10-8-1/4	8	1/4"
P10-10-1/4	10	1/4"
P10-12-1/4	12	1/4"
P10-12-3/8	12	3/8"

Tech Sheet 30106

Male Stud Swivel Tees



Branch Male Thread, Metric & BSPP

1020	OD mm	Thread
P12-4-M5	4	M5
P12-4-1/8	4	1/8"
P12-5-M5	5	M5
P12-5-1/8	5	1/8"
P12-6-M5	6	M5
P12-6-1/8	6	1/8"
P12-6-1/4	6	1/4"
P12-8-1/8	8	1/8"
P12-8-1/4	8	1/4"
P12-8-3/8	8	3/8"
P12-8-1/2	8	1/2"
P12-10-1/4	10	1/4"
P12-10-3/8	10	3/8"
P12-10-1/2	10	1/2"
P12-12-3/8	12	3/8"
P12-12-1/2	12	1/2"
P12-14-3/8	14	3/8"
P12-14-1/2	14	1/2"

Tech Sheet 30106



Universal, BSPT, BSPP & NPT

1020	OD mm	Thread
P11-5-1/8	5	1/8"
P11-6-1/8	6	1/8"
P11-6-1/4	6	1/4"
P11-8-1/8	8	1/8"
P11-8-1/4	8	1/4"
P11-8-3/8	8	3/8"
P11-8-1/2	8	1/2"
P11-10-1/4	10	1/4"
P11-10-3/8	10	3/8"
P11-10-1/2	10	1/2"
P11-12-3/8	12	3/8"
P11-12-1/2	12	1/2"
P11-14-3/8	14	3/8"
P11-14-1/2	14	1/2"

Tech Sheet 30106

50000 SERIES - BRASS PUSH-IN FITTINGS

Working Temperature:
-18°C to +70°C

Maximum Working Pressure:
20 bar (220 psi)

Media:
Suitable for compressed air and vacuum

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

Male Stud Swivel Tees



Run Male Thread, Metric & BSPP

1020	OD mm	Thread
P45-4-M5	4	M5
P45-5-1/8	5	1/8"
P45-6-M5	6	M5
P45-6-1/8	6	1/8"
P45-6-1/4	6	1/4"
P45-8-1/8	8	1/8"
P45-8-1/4	8	1/4"

Tech Sheet 30106



Universal, BSPT, BSPP & NPT

1020	OD mm	Thread
P44-4-1/8	4	1/8"
P44-6-1/8	6	1/8"
P44-6-1/4	6	1/4"
P44-8-1/8	8	1/8"
P44-8-1/4	8	1/4"
P44-10-3/8	10	3/8"
P44-12-3/8	12	3/8"

Tech Sheet 30106

Straight Connectors



Equal Tube x Tube

1020	OD mm
P4-3	3
P4-4	4
P4-5	5
P4-6	6
P4-8	8
P4-10	10
P4-12	12
P4-14	14

Tech Sheet 30106

Unequal Tube x Tube

1020	OD mm
P4-6-4	6-4
P4-8-6	8-6

Tech Sheet 30106

Equal Elbows



Tube x Tube

1020	OD mm
P9-3	3
P9-4	4
P9-5	5
P9-6	6
P9-8	8
P9-10	10
P9-12	12
P9-14	14

Tech Sheet 30106

Equal Bulkhead Connectors



Tube x Tube

1020	OD mm	Thread
P5-3	3	M10 x 1
P5-4	4	M12 x 1
P5-5	5	M14 x 1
P5-6	6	M14 x 1
P5-8	8	M16 x 1
P5-10	10	M20 x 1
P5-12	12	M22 x 1

Tech Sheet 30106

Equal Tees



Tube x Tube

1020	OD mm
P16-3	3
P16-4	4
P16-5	5
P16-6	6
P16-8	8
P16-10	10
P16-12	12
P16-14	14

Tech Sheet 30106

Equal Ys



Tube x Tube

1020	OD mm
P21-3	3
P21-4	4
P21-5	5
P21-6	6
P21-8	8
P21-10	10

Tech Sheet 30106

Stem Adaptor



Metric & BSPP

1020	Stem OD mm	Thread
P30-4-M5	4	M5
P30-4-1/8	4	1/8"
P30-5-M5	5	M5
P30-5-1/8	5	1/8"
P30-5-1/4	5	1/4"
P30-6-M5	6	M5
P30-6-1/8	6	1/8"
P30-6-1/4	6	1/4"
P30-8-1/8	8	1/8"
P30-8-1/4	8	1/4"
P30-8-3/8	8	3/8"
P30-10-1/4	10	1/4"
P30-10-3/8	10	3/8"
P30-12-1/4	12	1/4"
P30-12-3/8	12	3/8"

Tech Sheet 30106

Reducers



Tube x Stem

1020	OD mm	Stem OD mm
P32-4-3	3	4
P32-5-4	4	5
P32-6-4	4	6
P32-6-5	5	6
P32-8-6	6	8
P32-10-8	8	10
P32-12-8	8	12
P32-12-10	10	12

Tech Sheet 30106

50000 SERIES, BRASS PUSH-IN FITTINGS



Working Temperature:
-18°C to +70°C

Maximum Working Pressure:
20 bar (220 psi)

Media:
Suitable for compressed air and vacuum

Single Banjo Body, 1 Outlet



Bolt Thread, Metric & BSPP

1020	OD mm	Thread
P17-4-M5	4	M5
P17-4-1/8	4	1/8"
P17-6-M5	6	M5
P17-6-1/8	6	1/8"
P17-6-1/4	6	1/4"
P17-8-1/8	8	1/8"
P17-8-1/4	8	1/4"
P17-8-3/8	8	3/8"
P17-10-1/4	10	1/4"
P17-12-3/8	12	3/8"

Tech Sheet 30106

5 Way Manifolds



BSPP

1020	OD mm	Thread
P39-4-1/8	4	1/8"
P39-6-1/8	6	1/8"
P39-6-1/4	6	1/4"
P39-8-1/4	8	1/4"

Tech Sheet 30106

Disassembling Tool



1020
P43

Tech Sheet 30106

Single Banjo Assembly, 1 Outlet



Bolt Thread, Metric & BSPP

1020	OD mm	Thread
P22-4-M5	4	M5
P22-4-1/8	4	1/8"
P22-5-M5	5	M5
P22-5-1/8	5	1/8"
P22-6-M5	6	M5
P22-6-1/8	6	1/8"
P22-6-1/4	6	1/4"
P22-8-1/8	8	1/8"
P22-8-1/4	8	1/4"
P22-8-3/8	8	3/8"
P22-10-1/4	10	1/4"
P22-10-3/8	10	3/8"
P22-12-3/8	12	3/8"

Tech Sheet 30106

Double Banjo Assembly, 2 Outlets



Bolt Thread, BSPP

1020	OD mm	Thread
P23-4-1/8	4	1/8"
P23-6-1/8	6	1/8"
P23-6-1/4	6	1/4"
P23-8-1/8	8	1/8"
P23-8-1/4	8	1/4"
P23-8-3/8	8	3/8"
P23-10-1/4	10	1/4"
P23-12-3/8	12	3/8"

Tech Sheet 30106

Triple Banjo Assembly, 3 Outlets



Bolt Thread, BSPP

1020	OD mm	Thread
P24-6-1/8	6	1/8"
P24-6-1/4	6	1/4"
P24-8-1/4	8	1/4"

Tech Sheet 30106

Double Banjo Tee Assembly, 4 Outlets



Bolt Thread, BSPP

1020	OD mm	Thread
P26-6-1/4	6	1/4"
P26-8-1/4	8	1/4"

Tech Sheet 30106

Double Banjo Tee Assembly, 6 Outlets



Bolt Thread, BSPP

1020	OD mm	Thread
P27-8-1/4	8	1/4"

Tech Sheet 30106

Swivel Single Banjo Assembly, 1 Outlet



Bolt Thread, Metric & BSPP

1020	OD mm	Thread
P28-4-M5	4	M5
P28-4-1/8	4	1/8"
P28-5-M5	5	M5
P28-5-1/8	5	1/8"
P28-5-1/4	5	1/4"
P28-6-M5	6	M5
P28-6-1/8	6	1/8"
P28-6-1/4	6	1/4"
P28-8-1/8	8	1/8"
P28-8-1/4	8	1/4"
P28-10-1/4	10	1/4"

Tech Sheet 30106

Swivel Double Banjo Tee Assembly, 2 Outlets



Bolt Thread, BSPP

1020	OD mm	Thread
P29-4-1/8	4	1/8"
P29-6-1/8	6	1/8"

Tech Sheet 30106

50000 SERIES BRASS PUSH-IN FITTINGS

Working Temperature:
-20°C to +80°C

Maximum Working Pressure:
20 bar
Vacuum: -0.99 bar

Material:
Body and Collet: Robust nickel plated
brass body and Acetalic resin collet

O-Ring: Nitrile
Media: Compressed air

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

Elbows



Equal

1025	OD mm
50130N4	4
50130N6	6
50130N8	8
50130N10	10
50130N12	12
50130N14	14

Male Swivel Elbows



Universal, BSPT, BSPP & NPT

1025	OD mm	Thread
50111N4-1/8	4	1/8"
50111N4-1/4	4	1/4"
50111N6-1/8	6	1/8"
50111N6-1/4	6	1/4"
50111N8-1/8	8	1/8"
50111N8-1/4	8	1/4"
50111N8-3/8	8	3/8"
50111N8-1/2	8	1/2"
50111N10-1/4	10	1/4"
50111N10-3/8	10	3/8"
50111N10-1/2	10	1/2"
50111N12-3/8	12	3/8"
50111N12-1/2	12	1/2"
50111N14-3/8	14	3/8"
50111N14-1/2	14	1/2"

Female Swivel Elbows



BSPP

1025	OD mm	Thread
50106N4-1/8	4	1/8"
50106N4-1/4	4	1/4"
50106N6-1/8	6	1/8"
50106N6-1/4	6	1/4"
50106N8-1/8	8	1/8"
50106N8-1/4	8	1/4"
50106N8-3/8	8	3/8"

Tees



Equal

1025	OD mm
50230N4	4
50230N6	6
50230N8	8
50230N10	10
50230N12	12
50230N14	14

Male Swivel Tees



Universal, BSPT, BSPP & NPT

1025	OD mm	Thread
50211N4-1/8	4	1/8"
50211N4-1/4	4	1/4"
50211N6-1/8	6	1/8"
50211N6-1/4	6	1/4"
50211N8-1/8	8	1/8"
50211N8-1/4	8	1/4"
50211N8-3/8	8	3/8"
50211N8-1/2	8	1/2"
50211N10-1/4	10	1/4"
50211N10-3/8	10	3/8"
50211N10-1/2	10	1/2"
50211N12-3/8	12	3/8"
50211N12-1/2	12	1/2"
50211N14-3/8	14	3/8"
50211N14-1/2	14	1/2"

Male Swivel Offset Tees



Universal, BSPT, BSPP & NPT

1025	OD mm	Thread
50223N4-1/8	4	1/8"
50223N4-1/4	4	1/4"
50223N6-1/8	6	1/8"
50223N6-1/4	6	1/4"
50223N8-1/8	8	1/8"
50223N8-1/4	8	1/4"
50223N8-3/8	8	3/8"
50223N8-1/2	8	1/2"
50223N10-1/4	10	1/4"
50223N10-3/8	10	3/8"
50223N10-1/2	10	1/2"
50223N12-3/8	12	3/8"
50223N12-1/2	12	1/2"

Male Swivel Banjo



BSPP & Metric

1025	OD mm	Thread
50550N4-M5	4	M5
50550N4-1/8	4	1/8"
50550N6-M5	6	M5
50550N6-1/8	6	1/8"
50550N6-1/4	6	1/4"
50550N8-1/8	8	1/8"
50550N8-1/4	8	1/4"
50550N8-3/8	8	3/8"
50550N10-1/4	10	1/4"
50550N10-3/8	10	3/8"
50550N12-3/8	12	3/8"

Y Connectors



Equal

1025	OD mm
50310N4	4
50310N6	6
50310N8	8
50310N10	10

Straight Connector



Equal

1025	OD mm
50040N4	4
50040N6	6
50040N8	8
50040N10	10
50040N12	12

Unequal

1025	OD mm	OD mm
50040N6-4	4	6
50040N8-6	6	8
50040N10-8	8	10
50040N12-10	10	12

Reducer



Tube x Stem Reducers

1025	OD mm	OD mm
50700N6-4	6	4
50700N8-4	8	4
50700N8-6	8	6
50700N10-4	10	4
50700N10-6	10	6
50700N10-8	10	8
50700N12-8	12	8
50700N12-10	12	10

55000 SERIES METAL BODY PUSH-IN FITTINGS



Working Temperature:
-20°C to +80°C

Maximum Working Pressure:
20 bar

Vacuum: -0.99 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 "Universal Short" thread are suitable for both taper as well as parallel threads like NPT, NPTF, BSPP and BSPT.

Straight Male Adaptors

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



Universal, BSPT, BSPP & NPT

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



Universal, BSPT, BSPP & NPT

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	Thread Size:
5005000N01	4	M12X1
5005000N06	5	M14X1
5005000N02	6	M14X1
5005000N03	8	M16X1
5005000N04	10	M20X1
5005000N05	12	M22X1

Tech Sheet 10709

58000 SERIES HIGH PRESSURE LUBRICATION FITTINGS



Working Temperature:
-30°C to +150°C



Maximum Working Pressure:
150 bar



Maximum Working Pressure for compressed air:
30 bar



Maximum Working Pressure for fluids:
150 bar

- Nickel plated brass collet and body
- Compressed air, oil and grease
- PA6, PA11, PA12 polyethylene, polyurethane (polyurethane hoses require a minimum hardness of 98 shore)

Male Adaptors



Metric & BSPT

1020	OD mm	Thread
58000-4-M6	4	M6 x 1
58000-4-M8	4	M8 x 1
58000-4-M10	4	M10 x 1
58000-4-1/8	4	1/8"
58000-6-M6	6	M6 x 1
58000-6-M8	6	M8 x 1
58000-6-M10	6	M10 x 1
58000-6-1/8	6	1/8"

Elbow Adaptors



Metric & BSPP

1020	OD mm	Thread
58100-4-M6	4	M6 x 1
58100-4-M8	4	M8 x 1
58100-4-M10	4	M10 x 1
58100-4-1/8	4	1/8"
58100-6-M6X1	6	M6 x 1
58100-6-M8X1	6	M8 x 1
58100-6-M10X1	6	M10 x 1
58100-6-1/8	6	1/8"

Swivel Elbow Adaptors



Metric & BSPT

1020	OD mm	Thread
58110-4-M6	4	M6 x 1
58110-4-M8	4	M8 x 1
58110-4-M10	4	M10 x 1
58110-4-1/8	4	1/8"
58110-6-M6	6	M6 x 1
58110-6-M8	6	M8 x 1
58110-6-M10	6	M10 x 1
58110-6-1/8	6	1/8"

Straight Connectors



Tube x Tube

1020	OD mm	OD mm
58040-4	4	4
58040-6	6	6

89000 SERIES IMPERIAL TUBE FITTINGS



Working Temperature:
-20°c to +80°C

Working Pressure:
-0.99 bar to 20 bar

Fittings with “Short” tapered thread allow assembly with tapered as well as parallel threads (BSPT, NPT and BSPP) and have a reduced overall height. The clamping washer made in stainless steel ensures the perfect grip on the tube with all kinds of material without damage to the surface.

The connection between the tube and the fitting ensure a tight seal even in severe conditions such as impact and vibration. The design of the geometric seal ensures the perfect fit for vacuum applications Suitable to be used with PA6, PA11, PA12, Polyethylene, Polyurethane (minimum hardness of 98 shore).

Material:
Body: Brass nickel plated
Collet: Brass nickel plated
Capsule: Brass nickel plated
Clamping Washer: Stainless steel 301
Media: Compressed air, vacuum, water

Straight Male Adaptors

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



Universal Short Thread Type

1020	OD	Thread
8900000001	1/8"	1/8"
8900000002	1/8"	1/4"
8900000003	5/32"	1/8"
8900000004	5/32"	1/4"
8900000005	1/4"	1/8"
8900000006	1/4"	1/4"
8900000007	1/4"	3/8"
8900000008	5/16"	1/8"
8900000009	5/16"	1/4"
8900000010	5/16"	3/8"
8900000011	3/8"	1/8"
8900000012	3/8"	1/4"
8900000013	3/8"	3/8"
8900000014	3/8"	1/2"
8900000015	1/2"	1/8"
8900000016	1/2"	1/4"
8900000017	1/2"	3/8"
8900000018	1/2"	1/2"

Tech Sheet 10707

Straight Female Adaptors



NPT

1020	OD	Thread
8903000001	1/8"	1/8"
8903000002	1/8"	1/4"
8903000003	5/32"	1/8"
8903000004	5/32"	1/4"
8903000005	1/4"	1/8"
8903000006	1/4"	1/4"
8903000007	3/8"	1/4"
8903000008	3/8"	3/8"

Tech Sheet 10707

Swivel Male Elbows

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



Universal Short Thread Type

1020	OD	Thread
8911100001	1/8"	1/8"
8911100002	1/8"	1/4"
8911100003	5/32"	1/8"
8911100004	5/32"	1/4"
8911100005	1/4"	1/8"
8911100006	1/4"	1/4"
8911100007	1/4"	3/8"
8911100008	5/16"	1/8"
8911100009	5/16"	1/4"
8911100011	3/8"	1/8"
8911100012	3/8"	1/4"
8911100013	3/8"	3/8"
8911100014	3/8"	1/2"
8911100015	1/2"	1/4"
8911100016	1/2"	3/8"
8911100017	1/2"	1/2"

Tech Sheet 10707

Swivel Female Elbows



NPT

1020	OD	Thread
8910600001	5/32"	1/8"
8910600002	1/4"	1/4"
8910600003	5/32"	1/8"
8910600004	1/4"	1/4"
8910600005	3/8"	1/8"
8910600006	3/8"	1/4"

Tech Sheet 10707

Swivel Tee Male Centre Leg

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



Universal Short Thread Type

1020	OD	Thread
8921100001	1/8"	1/8"
8921100005	1/4"	1/8"
8921100006	1/4"	1/4"
8921100007	1/4"	3/8"
8921100014	3/8"	1/8"
8921100008	3/8"	1/4"
8921100009	3/8"	3/8"
8921100010	3/8"	1/2"
8921100011	1/2"	1/4"
8921100012	1/2"	3/8"
8921100013	1/2"	1/2"

Tech Sheet 10707




For PRO3
see page 420

89000 SERIES IMPERIAL TUBE FITTINGS



 **Working Temperature:**
-20°C to +80°C

 **Working Pressure:**
-0.99 bar to 20 bar

The clamping washer made in stainless steel ensures the perfect grip on the tube with all kinds of material without damage to the surface.

The connection between the tube and the fitting ensure a tight seal even in severe conditions such as impact and vibration.

The design of the geometric seal ensures the perfect fit for vacuum applications.

Suitable to be used with PA6, PA11, PA12, polyethylene, polyurethane (minimum hardness of 98 shore).

Material:

Body: Brass nickel plated

Collet: Brass nickel plated

Capsule: Brass nickel plated

Clamping Washer: Stainless steel 301

Media: Compressed air, vacuum, water

Straight Male Adaptors



Tube x Tube

1020	OD
8904000001	1/8"
8904000002	5/32"
8904000004	1/4"
8904000005	5/16"
8904000007	3/8"
8904000008	1/2"

Tech Sheet 10707

Equal Elbows



Tube x Tube

1020	OD
8913000001	1/8"
8913000002	5/32"
8913000003	1/4"
8913000004	5/16"
8913000005	3/8"
8913000006	1/2"

Tech Sheet 10707

Equal Bulkheads



Tube x Tube

1020	OD
8905000001	1/8"
8905000003	1/4"
8905000004	5/16"
8905000005	3/8"
8905000006	1/2"

Tech Sheet 10707

Unequal Straight Male Adaptors



Tube x Tube

1020	OD	OD
8904000003	1/4"	5/32"
8904000006	3/8"	1/4"
8904000009	3/8"	1/2"

Tech Sheet 10707

Equal Tees



Tube x Tube

1020	OD
8923000001	1/8"
8923000003	1/4"
8923000004	5/16"
8923000005	3/8"
8923000006	1/2"

Tech Sheet 10707

Stem Reducers



Tube x Tube

1020	Stem OD	OD
8970000001	1/4"	1/8"
8970000002	1/4"	5/32"
8970000003	3/8"	1/4"
8970000004	1/2"	1/4"
8970000005	1/2"	3/8"

Tech Sheet 10707



For **Stainless Steel Mini Cylinders**
see page **457**



FOOD GRADE PUSH-IN FITTINGS



Working Temperature:
-15°C to +190°C

Working Pressure:
-0.99 to 20 bar



Brass nickel plated fittings designed for the food industry.
Suitable for compressed air, vacuum and water.

Straight Adaptors



Male Thread, Metric & BSPP

1020	OD mm	Thread
70020-4-M5	4	M5
70020-4-1/8	4	1/8"
70020-6-1/8	6	1/8"
70020-6-1/4	6	1/4"
70020-8-1/8	8	1/8"
70020-8-1/4	8	1/4"
70020-10-1/4	10	1/4"
70020-10-3/8	10	3/8"
70020-12-3/8	12	3/8"

Tech Sheet 1905

Swivel Elbows



Male Thread, Metric & BSPP

1020	OD mm	Thread
70116-4-M5	4	M5
70116-4-1/8	4	1/8"
70116-6-1/8	6	1/8"
70116-6-1/4	6	1/4"
70116-8-1/8	8	1/8"
70116-8-1/4	8	1/4"
70116-10-1/4	10	1/4"
70116-10-3/8	10	3/8"
70116-12-3/8	12	3/8"

Tech Sheet 1905

Tee Connectors



Tube x Tube

1020	OD mm
70230-4	4
70230-6	6
70230-8	8
70230-10	10
70230-12	12

Tech Sheet 1905

Straight Connectors



Tube x Tube

1020	OD mm
70040-4	4
70040-6	6
70040-8	8
70040-10	10
70040-12	12

Tech Sheet 1905

Swivel Tees



Male Thread, BSPT

1020	OD mm	Thread
70216-4-1/8	4	1/8"
70216-6-1/8	6	1/8"
70216-6-1/4	6	1/4"
70216-8-1/8	8	1/8"
70216-8-1/4	8	1/4"

Tech Sheet 1905



For ISO 15552 Cylinders
see pages 478-486



PNEUFIT® PUSH-IN FITTINGS, METRIC



- Very compact units featuring retained collets and positive tube anchorage
- Silicone free O-ring seals
- Non-PTFE based thread sealant on all BSP taper threads
- Easy tube insertion for rapid assembly
- Positive tube anchorage
- For simple and quick assembly of pneumatic circuits
- Wide range of types available
- Reliable and corrosion resistant

Fluid: Compressed air

Body: Nickel plated brass

Washer (Banjo): PA

Collet: Nickel plated brass

Thread Sealant: Non-PTFE

O-Ring: VMQ free NBR

Tube Sizes:

Warning: The push-in tube fittings in this section must not be used in vehicle air braking and ancillary systems

Tube Types: Positive tube anchorage

Warning: PA 11 or 12, PUR and other plasticised or unplasticised tubing which conforms to the tolerances specified in BS 5409, Part 1, 1976, light and normal dut , DIN 73378, DIN 74234, NFE 49-100

Working Temperature:
-20°C to +80°C

Maximum Working Pressure:
Vacuum – 18 bar unless otherwise stated
(dependant upon tubing specification)

Straight Adaptors



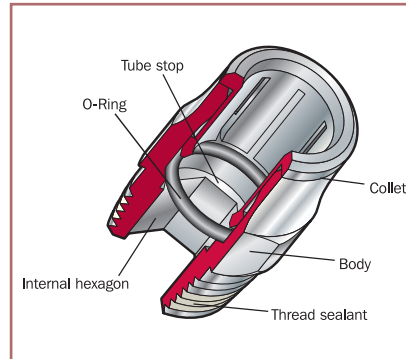
BSP & Metric

0038	OD mm	Thread
102250405	4	M5
102250418	4	1/8"
102250428	4	1/4"
102250605	6	M5
102250618	6	1/8"
102250628	6	1/4"
102250818	8	1/8"
102250828	8	1/4"
102250838	8	3/8"
102251018	10	1/8"
102251028	10	1/4"
102251038	10	3/8"
102251228	12	1/4"
102251238	12	3/8"



BSPT

0038	OD mm	Thread
101250418	4	1/8"
101250428	4	1/4"
101250618	6	1/8"
101250628	6	1/4"
101250818	8	1/8"
101250828	8	1/4"
101250838	8	3/8"
101251018	10	1/8"
101251028	10	1/4"
101251038	10	3/8"
101251228	12	1/4"
101251238	12	3/8"



Straight Stem Adaptors



BSP

0038	OD mm	Thread
102150418	4	1/8"
102150618	6	1/8"
102150838	8	3/8"
102151028	10	1/4"
102151038	10	3/8"
102151248	12	3/8"



BSPT

0038	OD mm	Thread
101150418	4	1/8"
101150618	6	1/8"
101150628	6	1/4"
101150818	8	1/8"
101150828	8	1/4"
101151028	10	1/4"
101151038	10	3/8"
101151238	12	3/8"

Swivel Elbows



BSPT

0038	OD mm	Thread
101470418	4	1/8"
101470428	4	1/4"
101470618	6	1/8"
101470628	6	1/4"
101470638	6	3/8"
101470818	8	1/8"
101470828	8	1/4"
101470838	8	3/8"
101471018	10	1/8"
101471028	10	1/4"
101471038	10	3/8"
101471228	12	1/4"
101471238	12	3/8"

Elbow Connectors



Tube x Tube

0038	OD mm
100400400	4
100400600	6
100400800	8
100401000	10
100401200	12

Straight Connectors



Tube x Tube

0038	OD mm
100200400	4
100200600	6
100200800	8
100201000	10
100201200	12

Bulkhead Connectors



Tube x Tube

0038	OD mm
100290400	4
100290600	6
100290800	8
100291000	10
100291200	12

Tee Connectors



Tube x Tube

0038	OD mm
100600400	4
100600600	6
100600800	8
100601000	10
100601200	12

PNEUFIT® PUSH-IN FITTINGS, IMPERIAL



- For simple and quick assembly of pneumatic circuits
- Positive tube anchorage
- Wide range of types available
- Reliable and corrosion resistant

Medium: Compressed air

Collet and Body Manufactured from Bar:
Nickel plated brass to BS 2874: 1986 (CZ121)

Body Manufactured from Stamping:
Nickel plated brass to BS 2872: 1969 (CZ122)

Seal: Nitrile rubber

Tube Sizes: 1/8", 1/4", 3/8", 1/2" O/D

Warning:
The push-in tube fittings in this section must not be used in vehicle air braking and ancillary systems

Working Temperature:
-20°C to +80°C

Maximum Working Pressure:
Vacuum – 18 bar unless otherwise stated
(dependant upon tubing specification)

Straight Adaptors



BSPT

0038	OD	Thread
121250118	1/8"	1/8"
121250418	1/4"	1/8"
121250428	1/4"	1/4"
121250628	3/8"	1/4"
121250638	3/8"	3/8"

Straight Connectors



Tube x Tube

0038	OD
120200400	1/4"
120200600	3/8"

Bulkhead Connectors



Tube x Tube

0038	OD	Thread
120290400	1/4"	M12 x 1.0
120290600	3/8"	M20 x 1.5

Elbow Connectors



Tube x Tube

0038	OD
120400400	1/4"
120400600	3/8"

90° Swivel Elbow Adaptors



BSPT

0038	OD	Thread
121470418	1/4"	1/8"
121470428	1/4"	1/4"
121470628	3/8"	1/4"
121470638	3/8"	3/8"

Swivel Tee Adaptor



BSPT

0038	OD	Thread
121670418	1/4"	1/8"

Tee Connectors



Tube x Tube

0038	OD
120600300	3/16"
120600400	1/4"
120600600	3/8"



For Olympian Plus Boxed Sets
see page 683



NON-RETURN VALVES & FITTINGS



Non-return Valves

- Allow free flow in one direction only
- Simple reliable design
- Low weight
- Low cracking pressure
- High operating pressure

Medium:

Compressed air, filtered, lubricated and non-lubricated, vacuum

Body:

Anodised aluminium

Collet:

Nickel plated brass

Spring:

Stainless steel

Seals:

Nitrile rubber

Valve and Insert:

Aluminium

Working Temperature:
-20°C to +80°C

Mounting:

Line mounted, push-in connection

Tubing Types:

Nylon 11 or 12. Polyurethane, and other plasticised or unplasticised tubing which conforms to the tolerances specified in BS 5409, part 1, 1976, light and normal duty, DIN 73378, DIN 74234, NFE 49100

Working Pressure:
-0.9 to 16 bar (dependent upon operating specification of tubing)



T50 Series, In-line Push-in

0038	OD mm	Cracking Pressure Bar
T50P0004	4	0.03
T50P0006	6	0.03
T50P0008	8	0.03
T50P0010	10	0.03
T50P0012	12	0.03

Tech Sheet 20749

Blocking, Pressure Reducing & Pneumatic Sensor Fittings

- Very compact units
- Safer pneumatic systems
- Easy tube insertion for rapid assembly of pneumatic circuits
- BSP threads

Working Temperature:
0°C to +70°C

Operating Pressures:
Blocking Fitting:
Supply pressure: 1-10 bar

Pressure Reducing Fitting:
Primary pressure: 1-16 bar max.
Secondary pressure: 1-8 bar max.

Pressure Sensor Fitting:
Cylinder pressure (Pc): 10 bar max.
Sensor supply pressure: 3-10 bar

Tubing Types:

Nylon 11 or 12, polyurethane and other plasticised or unplasticised tubing which conforms to the tolerances specified in BS 5409, Part 1, 1976, light and normal duty, DIN 73378, DIN 74234, NFE 49-100

Cover (pilot thread): Brass

Lock rings: SUS

Main body: Brass

Case (female thread):
Zinc die-casting

Valve: SUS and NBR

Springs: SUS

Sealing: NBR



Blocking Fitting, BSPP

0038	OD	Thread
102GA1818	1/8"	1/8"
102GA2828	1/4"	1/4"
102GA3838	3/8"	3/8"
102GA4848	1/2"	1/2"

Tech Sheet 71731

Banjo body: Aluminium

Retaining ring: PA

Banjo bolt and valve:
Brass - zinc plated

Washer: NBR



Pressure Reducing Fitting, BSPP

0038	OD	Thread
102GB1818	1/8"	1/8"
102GB2828	1/4"	1/4"
102GB3838	3/8"	3/8"
102GB4848	1/2"	1/2"

Tech Sheet 71732

Body: PA

Banjo bolt: nickel plated brass

Washer: NBR and PU



Pneumatic Sensor Fitting, BSPP

0038	OD	Thread
102GD0418	4	1/8"
102GD0428	4	1/4"

Tech Sheet 71733



For Norgren Excelon Plus
see pages 686-688

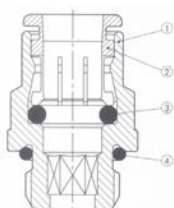
FOOD GRADE FITTINGS

Series F Push-in Fittings, Safe for Use in the Food Industry

Brass parts are chemically treated with phosphorus nickel-plating according to the NSF®/ANSI 51 standard of the food programme. The seals are made of FDA-approved FKM/FPM. Fittings contain no technopolymer, solving the problem of incompatibility with detergents and other chemicals.

The fittings can be used up to +150°C, making them suitable for high temperature applications other industries. The threads are cylindrical and under-head o-rings provide a pneumatic seal. This avoids the need for sealants (e.g. Teflon®) which could release solid fragments during screwing and unscrewing that would contaminate the environment or the fluid. Our fittings can be screwed and unscrewed any number of times and still remain clean and pneumatically sealed.

This choice of materials and treatments make these fittings suitable for use in the chemical, pharmaceutical, medical and electronics industry.



1. Body: chemically nickel plated brass to NSF®/ANSI 51 standards
2. Gripper: chemically nickel plated brass to NSF®/ANSI 51 standards
3. Fitting seal: FKM/FPM
4. Port seal: FKM/FPM

Temperature Range:
-20°C to +150°C (-4°F to 302°F)

Pressure:
-0.99 to 16 bar (-0.099 to 1.6 MPa)

Technical Features

- Threaded ports: M5, G1/8", G1/4", G3/8", G1/2"
- Pipe diameter: 4, 6, 8 and 10mm
- Recommended pipe: Rilsan PA 11, nylon 6, polyamide 12, polypropylene
- Under-head O-ring can be screwed and unscrewed any number of times; no fragments of Teflon® or sealant will contaminate the fluid
- Corrosion proof: chemical nickel-plating + FKM/FPM, compatible with numerous substances
- No plastic parts, so no risk of incompatibility

Male Stud



BSP Parallel x Tube

9186	Tube OD mm	Thread BSPP
2F01001	4	M5
2F01002	4	G1/8"
2F01003	4	G1/4"
2F01000	6	M5
2F01007	6	G1/8"
2F01008	6	G1/4"
2F01009	8	G1/8"
2F01010	8	G1/4"
2F01011	8	G3/8"
2F01012	10	G1/4"
2F01013	10	G3/8"
2F01022	10	G1/2"

Male Stud



BSP Tapered x Tube

9186	Tube OD mm	Thread BSPT
2F01C02	4	R1/8"
2F01C07	6	R1/8"
2F01C08	6	R1/4"
2F01C09	8	R1/8"
2F01C10	8	R1/4"
2F01C11	8	R3/8"
2F01C13	10	R1/4"
2F01C14	10	R3/8"

Straight Connector



Tube x Tube

9186	Tube OD mm	Bulkhead Thread
2F03001	4	M13 x 1
2F03003	6	M15 x 1
2F03004	8	M17 x 1
2F03005	10	M20 x 1

Equal Tee



Tube x Tube

9186	Tube OD mm
2F05001	4
2F05003	6
2F05004	8
2F05005	10

FOOD GRADE FITTINGS

Male Stud Swivel Elbow



BSP Parallel x Tube

9186	Thread BSPP	Tube OD mm
2F31001	M5	4
2F31002	G1/8"	4
2F31003	G1/4"	4
2F31007	M5	6
2F31008	G1/8"	6
2F31009	G1/4"	6
2F31010	G1/8"	8
2F31011	G1/4"	8
2F31012	G3/8"	8
2F31013	G1/4"	10
2F31014	G3/8"	10
2F31015	G1/2"	10

Bulkhead Connector



Tube x Tube

9186	Tube OD mm	Bulkhead Thread
2F11001	4	M13 x 1
2F11003	6	M15 x 1
2F11004	8	M17 x 1
2F11005	10	M20 x 1

Equal Elbow



Tube x Tube

9186	Tube OD mm
2F04001	4
2F04003	6
2F04004	8
2F04005	10

Male Stud Swivel Elbow



BSP Parallel x Tube

9186	Thread BSPT	Tube OD mm
2F31C02	R1/8"	4
2F31C03	R1/4"	4
2F31C08	R1/8"	6
2F31C09	R1/4"	6
2F31C10	R1/8"	8
2F31C11	R1/4"	8
2F31C12	R3/8"	8
2F31C13	R1/4"	10
2F31C14	R3/8"	10

Male Stem Adaptor



BSP Parallel x Tube

9186	Thread BSPP	Tube OD mm
2F06001	M5	4
2F06002	G1/8"	4
2F06003	G1/4"	4
2F06000	M5	6
2F06007	G1/8"	6
2F06008	G1/4"	6
2F06009	G1/8"	8
2F06010	G1/4"	8
2F06011	G3/8"	8
2F06012	G1/4"	10
2F06013	G1/4"	10

Male Stud Elbow



BSP Parallel x Tube

9186	Thread BSPT	Tube OD mm
2F39C02	R1/8"	4
2F39C08	R1/8"	6
2F39C09	R1/4"	6
2F39C10	R1/8"	8
2F39C11	R1/4"	8
2F39C12	R3/8"	8
2F39C13	R1/4"	10

Male Swivel Branch Tee



BSP Parallel x Tube

9186	Thread BSPP	Tube OD mm
2F32002	G1/8"	4
2F32008	G1/8"	6
2F32009	G1/4"	6
2F32010	G1/8"	8
2F32011	G1/4"	8
2F32012	G3/8"	8
2F32013	G1/4"	10
2F32014	G3/8"	10

Female Stud



BSP Parallel x Tube

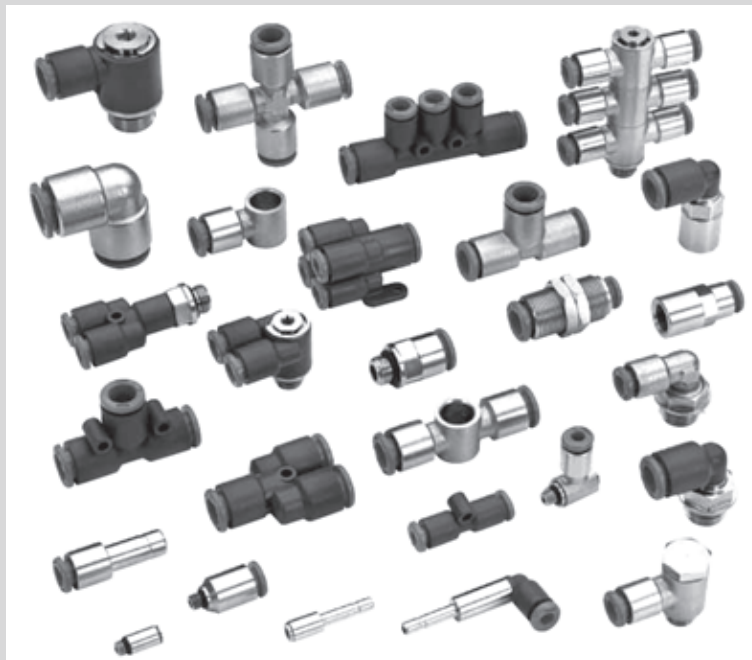
9186	Thread BSPP	Tube OD mm
2F02001	G1/8"	4
2F02005	G1/8"	6
2F02006	G1/4"	6
2F02007	G1/8"	8
2F02008	G1/4"	8
2F02011	G1/4"	10

NICKEL PLATED BRASS & TECHNOPOLYMER

Push-in fittings by Metal Work are the best elements for connecting pipes and actuators.

Quick and easy to use, the Metal Work push-in fitting can be re-used thousands of times without affecting the pneumatic and mechanical seal in any way. It comes in various configurations and guarantees a virtually unlimited, highly flexible use. The clamping spring with its special shape grips the pipe without scratching or deforming it, which facilitates release.

In the fittings, the release bushing has patented screwdriver slots to facilitate release in applications not accessible to the fingers.

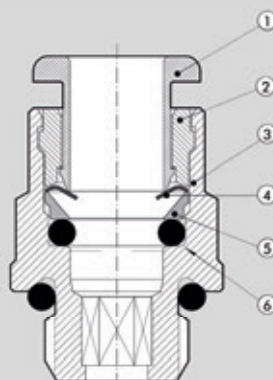


Technical Data

Threaded coupling	M3 - M5 - M7 - 1/8" - 1/4" - 3/8" - 1/2"
Diameter	Ø 3mm - Ø 3.17mm - Ø 4mm - Ø 5mm - Ø 6mm - Ø 8mm - Ø 10mm - Ø 12mm - Ø 14mm
Temperature range for brass fittings	-20 °C to +80 °C -4 °F to 176 °F
Temperature range for technopolymer fittings	-20 °C to +60 °C -4 °F to 140 °F
Pressure range for brass fittings	-0.99 bar ... 16 bar / -0.099 MPa ... 1.6 MPa
Pressure range for technopolymer fittings	-0.99 bar ... 12 bar / -0.099 MPa ... 1.2 MPa
Recommended pipe	Rilsan PA 11 - Nylon 6 - Polyamide 12 - Polypropylene
Fluid	Vacuum - Compressed air

Components

1. Ring or release bushing: technopolymer
2. Locking bushing: brass or technopolymer
3. Body: brass or technopolymer
4. Clamping spring: stainless steel
(for pipes Ø 3 and Ø 3.17 and R31 Ø 5 and R32 Ø 5: brass gripper)
5. Spring supporting ring: technopolymer
6. Seal: NBR



METRIC PUSH-IN FITTINGS, NICKEL PLATED BRASS



Male Stud



BSP Parallel x Tube

9150	Thread BSPP	Tube OD mm
2L01001	M5	4
2L01002	G1/8"	4
2L01003	G1/4"	4
2001005	G1/8"	5
2001006	G1/4"	5
2L01000	M5	6
2L01007	G1/8"	6
2L01008	G1/4"	6
2L01009	G1/8"	8
2L01010	G1/4"	8
2L01011	G3/8"	8
2L01012	G1/4"	10
2L01013	G3/8"	10
2001019	G1/4"	12
2001014	G3/8"	12
2001015	G1/2"	12
2001016	G3/8"	14
2001017	G1/2"	14
2L01018	G1/2"	10

Female Stud



BSP Parallel x Tube

9150	Thread BSPP	Tube OD mm
2L02001	G1/8"	4
2L02002	G1/4"	4
2002003	G1/8"	5
2002004	G1/4"	5
2L02005	G1/8"	6
2L02006	G1/4"	6
2L02007	G1/8"	8
2L02008	G1/4"	8
2L02009	G1/4"	10
2L02010	G3/8"	10
2L02011	G3/8"	12
2L02012	G1/2"	12

Male Stud



BSP Tapered x Tube

9150	Thread BSPT	Tube OD mm
2L01C02	R1/8"	4
2L01C07	R1/8"	6
2L01C08	R1/4"	6
2L01C09	R1/8"	8
2L01C10	R1/4"	8
2L01C11	R3/8"	8

Straight Connector



Tube x Tube

9150	Tube OD mm
2L03001	4
2003002	5
2L03003	6
2L03004	8
2L03005	10
2003006	12
2003007	14

Straight Connector, Reducing



Tube x Tube

9150	Tube OD mm
2L03301	4 6
2L03302	4 8
2L03303	6 8
2L03304	6 10
2L03305	8 10
2L03306	6 12
2L03307	8 12
2L03308	10 12

Bulkhead Connector



Tube x Tube

9150	Bulkhead Thread	Tube OD mm
2L11001	M11	4
2011002	M14	5
2L11003	M13	6
2L11004	M15	8
2L11005	M17	10
2011006	M20	12
2011007	M24	14

Unequal Bulkhead Connector



Tube x Tube

9150	Tube OD mm
2L11301	4 6
2L11302	4 8
2L11303	6 8
2L11304	6 10
2L11305	8 10
2L11306	6 12
2L11307	8 12
2L11308	10 12

Equal Elbow



Tube x Tube

9150	Tube OD mm
2L04001	4
2004002	5
2L04003	6
2L04004	8
2L04005	10
2004006	12
2004007	14

Equal Tee



Tube x Tube

9150	Tube OD mm
2L05001	4
2005002	5
2L05003	6
2L05004	8
2L05005	10
2005006	12
2005007	14

Equal Cross



Tube x Tube

9150	Tube OD mm
2L40003	6
2L40004	8

METRIC PUSH-IN FITTINGS, NICKEL PLATED BRASS



Male Stud Swivel Elbow



BSP Parallel x Tube

9150	Thread BSPP	Tube OD mm
2L31001	M5	4
2L31002	G1/8"	4
2L31003	G1/4"	4
2031004	M5	5
2031005	G1/8"	5
2031006	G1/4"	5
2L31007	M5	6
2L31008	G1/8"	6
2L31009	G1/4"	6
2L31010	G1/8"	8
2L31011	G1/4"	8
2L31012	G3/8"	8
2L31013	G1/4"	10
2L31014	G3/8"	10
2031016	G1/4"	12
2031017	G3/8"	12
2031018	G1/2"	12
2031019	G1/2"	14

Male Rotary Elbow



BSP Tapered x Tube

9150	Thread BSPT	Tube OD mm
2L31C02	R1/8"	4
2L31C03	R1/4"	4
2L31C08	R1/8"	6
2L31C09	R1/4"	6
2L31C10	R1/8"	8
2L31C11	R1/4"	8
2L31C12	R3/8"	8
2L31C13	R1/4"	10
2L31C14	R3/8"	10
2031C15	R3/8"	12
2031C16	R1/2"	12

Male Stud Elbow



BSP Tapered x Tube

9150	Thread BSPT	Tube OD mm
2L39C02	R1/8"	4
2L39C08	R1/8"	6
2L39C09	R1/4"	6
2L39C10	R1/8"	8
2L39C11	R1/4"	8
2L39C13	R1/4"	10

Male Stud Swivel Tee



BSP Parallel & Tube

9150	Thread BSPP	Tube OD mm
2L32002	G1/8"	4
2L32003	G1/4"	4
2032005	G1/8"	5
2L32008	G1/8"	6
2L32009	G1/4"	6
2L32010	G1/8"	8
2L32011	G1/4"	8
2L32012	G3/8"	8
2L32013	G1/4"	10
2L32014	G3/8"	10
2032017	G3/8"	12
2032018	G1/2"	12
2032019	G1/2"	14

Extension Stem



Stem x Stem

9150	Stem OD mm
2007001	4
2007002	5
2007003	6
2L07004	8
2007005	10
2007006	12
2007007	14

Stem Reducer



Stem x Tube

9150	Stem OD mm	Tube OD mm
2008001	5	4
2L08002	6	4
2008003	6	5
2L08004	8	4
2008005	8	5
2L08006	8	6
2L08007	10	6
2L08008	10	8
2008009	12	4
2008010	12	6
2008011	12	8
2008015	12	10
2008014	14	8
2008017	14	10
2008018	14	12

Male Stem Adaptor



BSP Parallel x Tube

9150	Thread BSPP	Stem OD mm
2006001	M5	4
2006002	G1/8"	4
2006003	G1/4"	4
2006004	M5	5
2006005	G1/8"	5
2006006	G1/4"	5
2006000	M5	6
2006007	G1/8"	6
2006008	G1/4"	6
2006009	G1/8"	8
2006010	G1/4"	8
2006011	G3/8"	8
2006012	G1/4"	10
2006013	G3/8"	10
2006019	G1/4"	12
2006014	G3/8"	12
2006015	G1/2"	12
2006016	G3/8"	14
2006017	G1/2"	14

SUPER-RAPID PUSH-IN FITTINGS

Material:

Body nickel plated brass. O-ring NBR seals PTFE/NBR/PA


Working Pressure:

0.8 to 16 bar

Male Stud Couplings



Sprint Parallel Male Stud, BSPP

0158	OD mm	Thread
S6510 4 1/8	4	1/8"
S6510 4 1/4	4	1/4"
S6510 5 1/8	5	1/8"
S6510 5 1/4	5	1/4"
S6510 6 1/8	6	1/8"
S6510 6 1/4	6	1/4"
S6510 8 1/8	8	1/8"
S6510 8 1/4	8	1/4"
S6510 8 3/8	8	3/8"
S6510 10 1/4	10	1/4"
S6510 10 3/8	10	3/8"
S6510 10 1/2	10	1/2"
S6510 12 1/4	12	1/4"
S6510 12 3/8	12	3/8"
S6510 12 1/2	12	1/2"
S6510 14 3/8	14	3/8"
S6510 14 1/2	14	1/2"

Tech Sheet 1861



Parallel Male Stud, BSPP & Metric with O-Ring

0158	OD mm	Thread
6512 4 M5	4	M5
6512 4 M6	4	M6
6512 4 1/8	4	1/8"
6512 4 1/4	4	1/4"
6512 5 M5	5	M5
6512 6 M5	6	M5
6512 6 1/8	6	1/8"
6512 6 1/4	6	1/4"
6512 8 1/8	8	1/8"
6512 8 1/4	8	1/4"
6512 8 3/8	8	3/8"
6512 10 1/4	10	1/4"
6512 10 3/8	10	3/8"
6512 12 1/4	12	1/4"
6512 12 3/8	12	3/8"

Tech Sheet 1861

Female Stud Couplings



Female Stud, BSPP & Metric

0158	OD mm	Thread
6463 4 M5	4	M5
6463 4 1/8	4	1/8"
6463 5 1/8	5	1/8"
6463 6 1/8	6	1/8"
6463 6 1/4	6	1/4"
6463 8 1/8	8	1/8"
6463 8 1/4	8	1/4"
6463 10 1/4	10	1/4"

Tech Sheet 1862

Elbows



Sprint Taper Male Elbow, BSPT

0158	OD mm	Thread
S6500 4 1/8	4	1/8"
S6500 4 1/4	4	1/4"
S6500 5 1/8	5	1/8"
S6500 5 1/4	5	1/4"
S6500 6 1/8	6	1/8"
S6500 6 1/4	6	1/4"
S6500 8 1/8	8	1/8"
S6500 8 1/4	8	1/4"
S6500 8 3/8	8	3/8"
S6500 10 1/4	10	1/4"
S6500 10 3/8	10	3/8"
S6500 12 1/4	12	1/4"
S6500 12 3/8	12	3/8"

Tech Sheet 1863



Sprint Swivel Parallel Male Stud, BSPP

0158	OD mm	Thread
S6520 4 1/8	4	1/8"
S6520 4 1/4	4	1/4"
S6520 5 1/8	5	1/8"
S6520 5 1/4	5	1/4"
S6520 6 1/8	6	1/8"
S6520 6 1/4	6	1/4"
S6520 8 1/8	8	1/8"
S6520 8 1/4	8	1/4"
S6520 8 3/8	8	3/8"
S6520 10 1/4	10	1/4"
S6520 10 3/8	10	3/8"
S6520 10 1/2	10	1/2"
S6520 12 1/4	12	1/4"
S6520 12 3/8	12	3/8"
S6520 12 1/2	12	1/2"
S6520 14 3/8	14	3/8"
S6520 14 1/2	14	1/2"

Tech Sheet 1863



Swivel Parallel Male Elbow, BSPP & Metric with O-Ring

0158	OD mm	Thread
6522 4 M5	4	M5
6522 4 1/8	4	1/8"
6522 4 1/4	4	1/4"
6522 5 M5	5	M5
6522 6 M5	6	M5
6522 6 1/8	6	1/8"
6522 6 1/4	6	1/4"
6522 8 1/8	8	1/8"
6522 8 1/4	8	1/4"
6522 8 3/8	8	3/8"
6522 10 1/4	10	1/4"
6522 10 3/8	10	3/8"
6522 12 1/4	12	1/4"
6522 12 3/8	12	3/8"

Tech Sheet 1863

SUPER-RAPID PUSH-IN FITTINGS

Material:

Body nickel plated brass. O-ring NBR seals PTFE/NBR/PA



Working Pressure:

0.8 to 16 bar

Tees



Sprint Swivel Branch Tee Parallel, BSPP

0158	OD mm	Thread
S6430 4 1/8	4	1/8"
S6430 5 1/8	5	1/8"
S6430 5 1/4	5	1/4"
S6430 6 1/8	6	1/8"
S6430 6 1/4	6	1/4"
S6430 8 1/8	8	1/8"
S6430 8 1/4	8	1/4"
S6430 8 3/8	8	3/8"
S6430 10 1/4	10	1/4"
S6430 10 3/8	10	3/8"
S6430 12 1/4	12	1/4"
S6430 12 3/8	12	3/8"
S6430 12 1/2	12	1/2"
S6430 14 1/2	14	1/2"

Tech Sheet 1864



Swivel Branch Tee Parallel, BSPP & Metric with O-Ring

0158	OD mm	Thread
6432 4 M5	4	M5
6432 4 1/8	4	1/8"
6432 5 M5	5	M5
6432 6 1/8	6	1/8"
6432 6 1/4	6	1/4"
6432 8 1/8	8	1/8"
6432 8 1/4	8	1/4"
6432 8 3/8	8	3/8"
6432 10 1/4	10	1/4"
6432 10 3/8	10	3/8"
6432 12 1/4	12	1/4"
6432 12 3/8	12	3/8"

Tech Sheet 1864



Sprint Swivel Run Tee Parallel, BSPP

0158	OD mm	Thread
S6440 4 1/8	4	1/8"
S6440 5 1/8	5	1/8"
S6440 6 1/8	6	1/8"
S6440 6 1/4	6	1/4"
S6440 8 1/8	8	1/8"
S6440 8 1/4	8	1/4"
S6440 8 3/8	8	3/8"
S6440 10 1/4	10	1/4"
S6440 10 3/8	10	3/8"
S6440 12 3/8	12	3/8"
S6440 14 1/2	14	1/2"

Tech Sheet 1864



Swivel Run Tee Parallel, BSPP & Metric with O-Ring

0158	OD mm	Thread
6442 4 M5	4	M5
6442 4 1/8	4	1/8"
6442 5 M5	5	M5
6442 6 1/8	6	1/8"
6442 6 1/4	6	1/4"
6442 8 1/8	8	1/8"
6442 8 1/4	8	1/4"
6442 8 3/8	8	3/8"
6442 10 1/4	10	1/4"
6442 10 3/8	10	3/8"
6442 12 1/4	12	1/4"
6442 12 3/8	12	3/8"

Tech Sheet 1864

Banjo Bolts



Single Banjo, BSPP & Metric with O-Ring

0158	OD mm	Thread
6622 4 M5	4	M5
6622 4 1/8	4	1/8"
6622 6 1/8	6	1/8"
6622 6 1/4	6	1/4"
6622 8 1/8	8	1/8"
6622 8 1/4	8	1/4"
6622 10 1/4	10	1/4"

Tech Sheet 20121



Double Banjo, BSPP with O-Ring

0158	OD mm	Thread
6632 4 1/8	4	1/8"
6632 6 1/8	6	1/8"
6632 8 1/8	8	1/8"
6632 8 1/4	8	1/4"
6632 10 1/4	10	1/4"

Tech Sheet 1866

Stem Adaptors



Parallel Stem Adaptor, BSPP x Metric

0158	Stem OD mm	Thread
6811 4 M5	4	M5
6811 4 1/8	4	1/8"
6811 5 1/8	5	1/8"
6811 5 1/4	5	1/4"
6811 6 1/8	6	1/8"
6811 6 1/4	6	1/4"
6811 8 1/8	8	1/8"
6811 8 1/4	8	1/4"
6811 10 1/4	10	1/4"
6811 10 3/8	10	3/8"
6811 12 3/8	12	3/8"
6811 14 1/2	14	1/2"

Tech Sheet 20122

SUPER-RAPID PUSH-IN FITTINGS

Material:

Body nickel plated brass. O-ring NBR seals PTFE/NBR/PA


Working Pressure:

0.8 to 16 bar

Tube Connectors



Swivel Y Connector, BSPP & Metric

0158	OD mm	Thread
6451 4 M5	4	M5
S6450 4 1/8	4	1/8"
S6450 6 1/8	6	1/8"
S6450 8 1/8	8	1/8"
S6450 8 1/4	8	1/4"



Equal Y Tube Connector

0158	OD mm
6560 4	4
6560 6	6
6560 8	8
6560 10	10

Tech Sheet 1869



Straight Tube Connector

0158	OD mm
6580 4	4
6580 5	5
6580 6	6
6580 8	8
6580 10	10
6580 12	12
6580 14	14

Tech Sheet 1867



Equal Bulkhead Tube Connector

0158	OD mm	Thread
6590 4	4	M10 x 1
6590 5	5	M12 x 1
6590 6	6	M14 x 1
6590 8	8	M16 x 1
6590 10	10	M18 x 1
6590 12	12	M20 x 1
6590 14	14	M22 x 1

Tech Sheet 20123



Equal Elbow Tube Connector

0158	OD mm
6550 4	4
6550 5	5
6550 6	6
6550 8	8
6550 10	10
6550 12	12
6550 14	14

Tech Sheet 20124



Equal Tee Tube Connector

0158	OD mm
6540 4	4
6540 5	5
6540 6	6
6540 8	8
6540 10	10
6540 12	12
6540 14	14

Tech Sheet 20125



Equal Cross Tube Connector

0158	OD mm
6600 4	4
6600 5	5
6600 6	6
6600 8	8
6600 10	10
6600 12	12

Tech Sheet 20126



Tube/Stem Reducer

0158	Tube OD mm	Stem OD mm
6800 4 5	4	5
6800 4 6	4	6
6800 4 8	4	8
6800 5 6	5	6
6800 5 8	5	8
6800 6 8	6	8
6800 6 10	6	10
6800 6 12	6	12
6800 8 10	8	10
6800 8 12	8	12
6800 10 12	10	12
6800 10 14	10	14
6800 12 14	12	14

Tech Sheet 1870



Tube to Stem Elbow

0158	OD mm	Stem OD mm
6555 4 4	4	4
6555 6 6	6	6
6555 8 8	8	8
6555 10 10	10	10

Tech Sheet 20127

Press Fit Cartridges



Tube

0158	OD mm
6700 4	4
6700 5	5
6700 6	6

Tech Sheet 20128

Blanking Caps & Plugs



Tube Blanking Cap

0158	OD mm
6750 4	4
6750 6	6
6750 8	8
6750 12	12

Tech Sheet 20129




Plastic Blanking Plug

0158	OD mm
6900 4MM	4
6900 5MM	5
6900 6MM	6
6900 8MM	8
6900 10MM	10
6900 12MM	12
6900 14MM	14

SERIES 8000 SUPER-RAPID PUSH-IN FITTINGS

Series 8000 has a patented additional seal that provides a double tight seal on the tube, ensuring a highly reliable connection and avoiding any possible leakage. Connection and disconnection of the tube can be repeated several times without the use of proper tools and without compromising the performance of the fitting or the sealing on the tube

Material:
Body and Gripper: Nickel plated brass
Seals: Nitrile

 **Working Pressure:**
 -0.9 to 16 bar

Male Studs



BSPP

0158	OD mm	Thread
8512 4-1/8	4	1/8"
8512 6-1/8	6	1/8"
8512 6-1/4	6	1/4"
8512 8-1/8	8	1/8"
8512 8-1/4	8	1/4"
8512 10-1/4	10	1/4"
8512 10-3/8	10	3/8"
8512 12-3/8	12	3/8"
8512 12-1/2	12	1/2"

Tech Sheet 68276

Male Stud Swivel Elbows



BSPP

0158	OD mm	Thread
8522 4-1/8	4	1/8"
8522 6-1/8	6	1/8"
8522 6-1/4	6	1/4"
8522 8-1/8	8	1/8"
8522 8-1/4	8	1/4"
8522 10-1/4	10	1/4"
8522 10-3/8	10	3/8"
8522 12-3/8	12	3/8"
8522 12-1/2	12	1/2"

Tech Sheet 68276

Male Stud Swivel Tees



BSPP

0158	OD mm	Thread
8432 4-1/8	4	1/8"
8432 6-1/8	6	1/8"
8432 8-1/8	8	1/8"
8432 8-1/4	8	1/4"

Tech Sheet 68276

Tube x Tube Connectors



Equal Straights

0158	OD mm
8580 4	4
8580 6	6
8580 8	8

Tech Sheet 68276



Equal Tees

0158	OD mm
8540 4	4
8540 6	6
8540 8	8

Tech Sheet 68276



Equal Elbows

0158	OD mm
8550 4	4
8550 6	6
8550 8	8

Tech Sheet 68276

SERIES H8000 DUAL SEAL SUPER-RAPID FITTINGS

Series H8000 fittings are designed to be used in particularly dirty and dusty environments. The patented system, with double tightening on the tube, guarantees a highly reliable connection and avoids any risk of leakage.

Features:

- Protection against dust and debris
- Silicone free
- Suitable for vacuum and metal tubes

Material:

Body and Gripper: Nickel plated brass
Seals: Viton



Working Pressure:

-0.9 to +60 bar

Male Studs



BSPP

0158	OD mm	Thread
H8512 4-1/8-V	4	1/8"
H8512 6-1/4-V	6	1/4"
H8512 6-1/8-V	6	1/8"
H8512 8-1/4-V	8	1/4"
H8512 8-1/8-V	8	1/8"
H8512 8-3/8-V	8	3/8"
H8512 10-1/2-V	10	1/2"
H8512 10-1/4-V	10	1/4"
H8512 10-1/8-V	10	1/8"
H8512 10-3/8-V	10	3/8"
H8512 12-1/2-V	12	1/2"
H8512 12-1/4-V	12	1/4"
H8512 12-3/8-V	12	3/8"
H8512 14-1/2-V	14	1/2"
H8512 14-3/8-V	14	3/8"
H8512 16-1/2-V	16	1/2"
H8512 16-3/8-V	16	3/8"

Tech Sheet 68275

Male Stud Swivel Elbows



BSPP

0158	OD mm	Thread
H8522 4-1/8-V	4	1/8"
H8522 6-1/4-V	6	1/4"
H8522 6-1/8-V	6	1/8"
H8522 8-1/4-V	8	1/8"
H8522 8-1/4-V	8	1/4"
H8522 8-3/8-V	8	3/8"
H8522 10-1/2-V	10	1/2"
H8522 10-1/4-V	10	1/4"
H8522 10-1/8-V	10	1/8"
H8522 10-3/8-V	10	3/8"
H8522 12-1/2-V	12	1/2"
H8522 12-1/4-V	12	1/4"
H8522 12-3/8-V	12	3/8"
H8522 14-1/2-V	14	1/2"
H8522 14-3/8-V	14	3/8"

Tech Sheet 68275

Tube x Tube Connectors



Equal Tees

0158	OD mm
H8540 4-V	4
H8540 6-V	6
H8540 8-V	8
H8540 10-V	10
H8540 12-V	12
H8540 14-V	14

Tech Sheet 68275



Equal Elbows

0158	OD mm
H8550 4-V	4
H8550 6-V	6
H8550 8-V	8
H8550 10-V	10
H8550 12-V	12
H8550 14-V	14

Tech Sheet 68275



Equal Straights

0158	OD mm
H8580 4-V	10
H8580 6-V	6
H8580 8-V	8
H8580 10-V	10
H8580 12-V	12
H8580 14-V	14

Tech Sheet 68275

APPLICATION FIELDS

- › WELDING
- › CUTTING
- › CEMENT PLANT
- › ROADS AND MOTORWAYS
- › PAINTING

