



How to Choose Your Fittings

Key points to consider before choosing your industrial connector

What function do you need?

- Protect your system
- Detect end of cylinder rod stroke
- Control and improve the performance of your system
- Working on your system

What type of fluid is being conveyed?

- Compatibility of seal and connector materials with the fluid

What are the conditions of use?

- Vacuum
- Pressure
- Fluid temperature
- With or without seal
- Flow requirements

Which kind of thread do you need?

- Male thread/Female thread
- BSPP, BSPT, NPT, Metric

Which connector do you need?

- Push-In Fittings
- Compression Fittings
- Spigot Fittings
- Tailpiece Adaptors

Do you have compliance requirements?

- Norms & regulations
- ISO 9001/ISO TS 16949; RoHS, FDA, NSF
- Silicone-free, phthalates free, etc...
- Compatible materials with the application
- Chemical compatibility

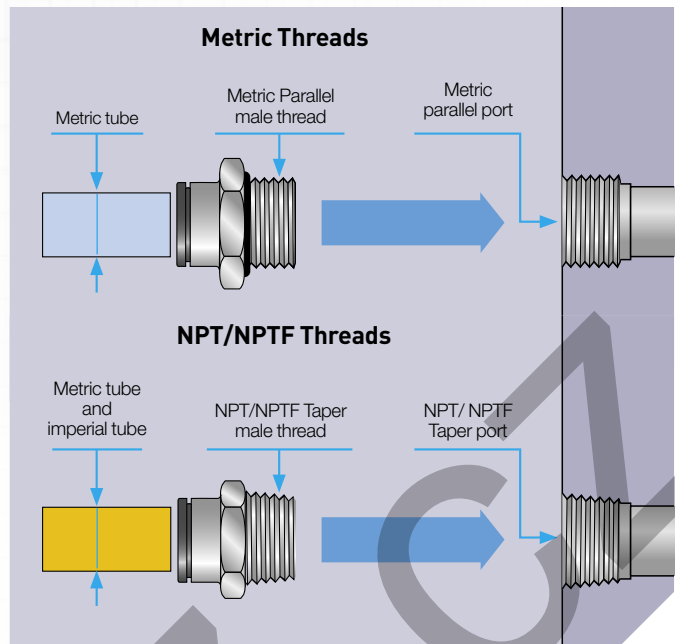
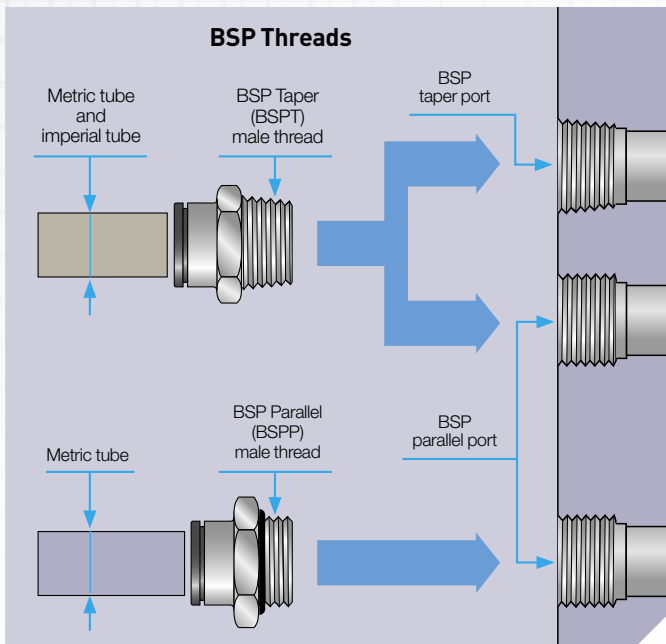
What is your application environment?

- Ambient air quality (pollution)
- Risk of shocks
- Confined areas/access difficulties
- External uses (UV, saline environments)
- Use of products on mobile equipment

Have you thought about additional product requirements?

- Tubing
- Valves
- Couplings
- Blowguns

General Information on Fittings



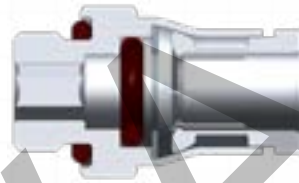
Push-In Fittings

Tube retention with gripping ring



- No damage to the tube
- Ideal for polymer tubes
- Particularly compact

Tube retention with collet



- Robust solution for harsh environments
- Resistant to high pressure, excellent lifespan
- Ideal for grooved metal tubes

Tube retention with reversed collet



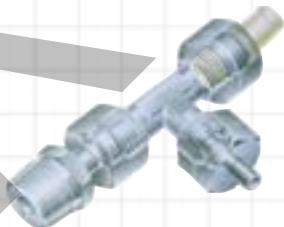
- Protected disconnection
- Can withstand very high pressures
- Double sealing

Advantages

Allows flexible and modular systems to be assembled quickly.
 Provides a compact and lightweight connection solution.
 Facilitates installation due to a swivelling body.
 Reliability of the connection ensured through the one-piece design.

Suitable for use with a wide range of tubes.
 Prolongs the lifespan of your systems.

Compression Fittings



Connection and sealing achieved by crimping a metal olive onto a tube. The seals are metal to metal.

Advantages

Can withstand very high pressures and temperatures.
 Allows all types of tube to be connected, both polymer and metal.
 Increases the lifetime of the fitting.

Spigot Compression Fittings



Connection and sealing by the distortion and gripping of a plastic tube.

Advantages

Intended for the connection of very flexible or non-calibrated tubes.

Part Number Identification

The part numbers are selected using a technical mnemonic code.

Each fitting and valve is identified by:

- model series (4 digits)
- nominal diameter (2 digits)

Fittings

3101 08 10

Item type

Nominal diameter

Thread code

Tube O.D.

4 mm 04
6 mm 06
8 mm 08
10 mm 10
12 mm 12
16 mm 16

Inch

1/4" 56
3/8" 60
1/2" 62

Nominal diameter code: equates to the outside diameter of the tube

Thread code: see tables below

When the product does not have a thread, the code used is: 00.

3101 Stud Fitting, Male BSPP and Metric Thread

Nickel-plated brass, NBR






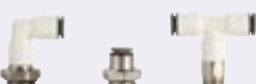





You will find the part type at the top of each table

Thread Identification

BSP Thread	Code	NPT/NPTF Threads	Code
1/8"	10	1/16"	08
1/4"	13	1/8"	11
3/8"	17	1/4"	14
1/2"	21	3/8"	18
3/4"	27	1/2"	22
1"	34	3/4"	28
1 1/4"	42	1"	35
1 1/2"	49	1 1/4"	43
2"	48	1 1/2"	50
		2"	44

Metric Thread	Code	Metric Thread	Code	Metric Thread	Code
M3x0.5	09	M12x1.25	66	M22x1.5	82
M5x0.8	19	M12x1.5	67	M24x1.5	83
M6x1	52	M13x1.25	68	M27x1.5	85
M7x1	55	M14x1.25	70	M30x2	88
M8x1	56	M14x1.5	71	M33x1.5	90
M8x1.25	57	M16x1.25	74	M39x1.5	36
M10x1	60	M16x1.5	75	M42x1.5	37
M10x1.5	62	M18x1.5	78	M42x2	96
M12x1	65	M20x1.5	80	M48x2	98

Product Specifications Overview

	Materials	Fluids	Maximum Pressure (bar)	Temperature		Performance in Aggressive Environments		Page
				Min.	Max.	Mechanical	Chemical	
Push-In Fittings								
LF 3000® 	Technical polymer/ nickel-plated brass: NBR	Compressed air	20	-20°C	+80°C	Good	Moderate	18
LF 3200 	Nickel-plated brass/ NBR	Compressed air	20	-15°C	+80°C	Excellent	Moderate	41
LIQUIfit® 	Bio-sourced polymer/ EPDM	Liquids	16	-10°C	+95°C	Moderate	Excellent	43
LIQUIfit® with Metal Adaptor 	Bio-sourced polymer/ nickel-plated brass FDA/stainless steel 316L/EPDM	Liquids	16	-10°C	+95°C version all metal: +130°C	Moderate	Excellent	55
LF 3600 	Nickel-plated brass FDA/FKM	All brass-compatible fluids	30	-25°C	+150°C	Excellent	Good	60
Low lead brass LF 3600 	Low lead brass FDA/FKM	All brass-compatible fluids, water	30	-25°C	+150°C	Excellent	Good	68
LF 3800 	Stainless steel 316L/ FKM	All fluids	30	-25°C	+150°C	Excellent	Excellent	71
LF 6800 	Nickel-plated brass/ EPDM	O ₂ , analytical gases	15	-10°C	+95°C	Moderate	Excellent	77
LF 6100 	Brass/NBR	All brass-compatible fluids	60	-40°C	+120°C	Excellent	Excellent	80

LF 3000® Push-In Fittings / Stud Fittings



A range of technical polymer fittings to cover most needs of low pressure pneumatic applications.

Ø metric: 3 to 16 mm
Ø inch: 1/8" to 1/2"

Technical Characteristics

- **Compatible Fluids:** Compressed air
Other fluids: please consult us
- **Working Pressure:** Vacuum to 20 bar
- **Working Temperature:** -20°C to +80°C

Tightening Torque (daN.m)	Threads								
	M3 x0.5	M5 x0.8	M7 x1	M10 x1	M12 x1.5	G1/8	G1/4	G3/8	G1/2
	0.06	0.16	0.8	0.8	1.1	0.8	1.2	3	3.5

Reliable performance is dependent upon the type of fluid conveyed, component materials and tubing being used.

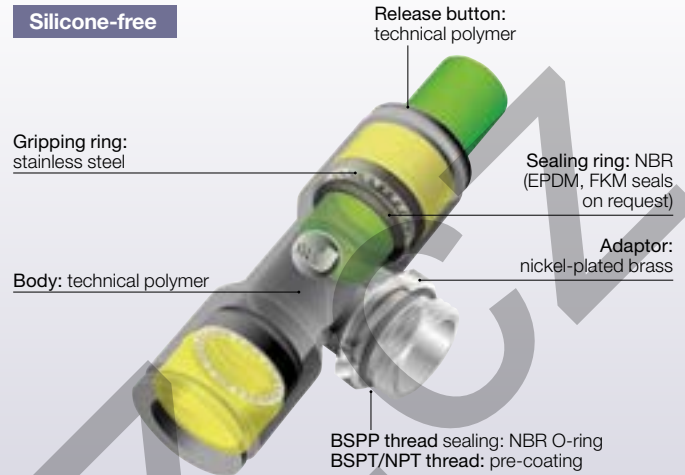
Use is guaranteed with a vacuum of 755 mm Hg (99% vacuum).

Advantages

- Robust, lightweight, compact to build your pneumatic circuits
- Full flow connections to optimize flow rates
- Use in vacuum as well as in compressed air
- Customised products upon request. Please, contact us.

Component Materials

Silicone-free

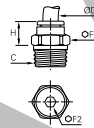


Regulations

- ISO 14743
- PED
- RoHS
- REACH

3175 Stud Fitting, Male BSPT Thread

Nickel-plated brass, NBR

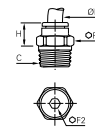


ØD	C		F1	F2	H	Kg
4	R1/8	3175 04 10	10	3	9.5	0.005
	R1/4	3175 04 13	14	3	6.5	0.011
	R3/8	3175 04 17	17	3	8	0.024
6	R1/8	3175 06 10	11	4	11.5	0.005
	R1/4	3175 06 13	14	4	8.5	0.011
	R3/8	3175 06 17	17	4	8.5	0.021
8	R1/2	3175 06 21	21	4	9	0.043
	R1/8	3175 08 10	13	5	20	0.011
	R1/4	3175 08 13	14	6	17	0.014
10	R3/8	3175 08 17	17	6	13	0.021
	R1/2	3175 08 21	21	6	12	0.039
	R1/8	3175 10 10	16	5	22.5	0.017
12	R1/4	3175 10 13	16	7	20	0.017
	R3/8	3175 10 17	17	8	16.5	0.019
	R1/2	3175 10 21	21	8	14	0.036
14	R1/4	3175 12 13	19	7	26.5	0.029
	R3/8	3175 12 17	19	9	24	0.028
	R1/2	3175 12 21	21	10	19.5	0.036
16	R3/8	3175 14 17	22	9	28.5	0.044
	R1/2	3175 14 21	24	10	23.5	0.046
	R3/8	3175 16 17	27	9	32.5	0.068
	R1/2	3175 16 21	27	12	32.5	0.079

Pre-coated thread

3175 Stud Fitting, Male NPT Thread

Nickel-plated brass, NBR



ØD	C		F1	F2	H	Kg
6	NPT1/8	3175 06 11	11	4	11.5	0.006
	NPT1/4	3175 06 14	14	4	8.5	0.012
	NPT1/4	3175 10 14	16	7	20	0.018
10	NPT3/8	3175 10 18	18	8	16.5	0.023
	NPT1/2	3175 10 22	22	8	14	0.038
	NPT3/8	3175 12 18	19	9	24	0.030
	NPT1/2	3175 12 22	22	10	19.5	0.037

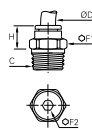
Pre-coated thread
5/32"(4 mm) and 5/16"(8 mm) are also available.

LF 3000® Push-In Fittings / Stud Fittings

3175 Stud Fitting, Male NPT Thread

Inch

Nickel-plated brass, NBR



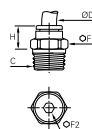
ØD	C		F1	F2	H	Kg
1/8	NPT1/8	3175 53 11	11	2	7.2	0.006
	NPT1/4	3175 53 14	14	2	8	0.015
	NPT1/8	3175 56 11	11	4	11.9	0.007
1/4	NPT1/4	3175 56 14	14	4	9.4	0.013
	NPT3/8	3175 56 18	18	5	7.6	0.024
3/8	NPT1/8	3175 60 11	16	4	22.7	0.019
	NPT1/4	3175 60 14	16	7	20.5	0.019
1/2	NPT3/8	3175 62 18	18	7	17.5	0.026
	NPT1/2	3175 62 22	22	9.5	25.9	0.048

Pre-coated thread

3175 Stud Fitting, Male BSPT Thread

Inch

Nickel-plated brass, NBR

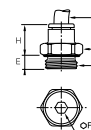


ØD	C		F1	F2	H	Kg
1/8	R1/8	3175 53 10	11	3	8.5	0.005
	R1/8	3175 55 10	11.1	3.2	15.5	0.009
3/16	R1/4	3175 55 13	14.3	4	15	0.020
	R1/8	3175 56 10	11	4	12	0.006
1/4	R1/4	3175 56 13	14	4	9.5	0.021
	R1/4	3175 60 13	16	7	20.5	0.018
3/8	R3/8	3175 60 17	17	7	16.5	0.019
	R1/2	3175 60 21	21	7	14	0.037
	R1/4	3175 62 13	22	6	26.9	0.044
1/2	R3/8	3175 62 17	22	7	25.9	0.048
	R1/2	3175 62 21	24	7	20.5	0.049

Pre-coated thread

3101 Stud Fitting, Male BSPP and Metric Thread

Nickel-plated brass, NBR

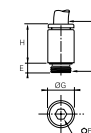


ØD	C		E	F1	F2	H	Kg
3	M3x0.5	3101 03 09*	2.5	8		12.5	0.003
	M5x0.8	3101 03 19	3.5	8	2.5	12.5	0.004
	M3x0.5	3101 04 09*	2.5	8		14.5	0.003
4	M5x0.8	3101 04 19	3	9	2.5	14	0.004
	M7x1	3101 04 55	5	10	2.5	14	0.004
	G1/8	3101 04 10	5	13	3	11.5	0.007
6	G1/4	3101 04 13	5.5	16	3	10.5	0.011
	M5x0.8	3101 06 19	3.5	11	2.5	16	0.005
	M7x1	3101 06 55	5	10	3	16	0.006
	M10x1	3101 06 60	5	13	4	13	0.007
	M12x1.5	3101 06 67	5.5	15	4	13	0.009
	G1/8	3101 06 10	5	13	4	13	0.007
8	G1/4	3101 06 13	5.5	16	4	12.5	0.011
	G3/8	3101 06 17	5.5	20	4	13	0.020
	G1/2	3101 06 21	7	24	4	20	0.039
	M10x1	3101 08 60	5	13	5	21	0.011
	M12x1.5	3101 08 67	5.5	15	5	21	0.015
	G1/8	3101 08 10	4.5	13	5	20.5	0.011
10	G1/4	3101 08 13	5.5	16	6	19.5	0.016
	G3/8	3101 08 17	5.5	20	6	18	0.022
	G1/2	3101 08 21	7	24	6	16.5	0.038
12	G1/4	3101 10 13	5.5	16	7	23	0.018
	G3/8	3101 10 17	5.5	20	8	19.5	0.021
	G1/2	3101 10 21	7	24	8	18.5	0.033
14	G1/4	3101 12 13	5.5	19	7	27.5	0.027
	G3/8	3101 12 17	5.5	20	9	27	0.028
	G1/2	3101 12 21	7	24	11	22.5	0.035
16	G3/8	3101 14 17	5.5	22	9	29.5	0.041
	G1/2	3101 14 21	7	24	11	28	0.046
	G3/8	3101 16 17	7.5	27	9	32.5	0.061
18	G1/2	3101 16 21	9	27	12	32.5	0.068

*Bi-material O ring seal

3181 Stud Fitting Round Body, Male Metric Thread

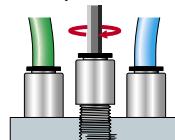
Nickel-plated brass, NBR



ØD	C		E	F	G	H	Kg
4	M5x0.8	3181 04 19	3.5	2.5	8.5	14.5	0.003
	M7x1	3181 04 55	5	3	10	14	0.004
6	M5x0.8	3181 06 19	3.5	2.5	11	16.5	0.005
	M7x1	3181 06 55	5	3	10	16	0.005

The internal hexagon and circular external shape ensure that model 3181 provides highly compact assembly.

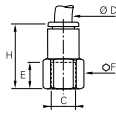
They can be easily installed with an Allen key without the need of a spanner.



LF 3000® Push-In Fittings / Stud Fittings

3114 Stud Fitting, Female BSPP and Metric Thread

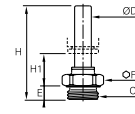
Nickel-plated brass, NBR



ØD	C		E	F	H	Kg
4	M5x0.8	3114 04 19	6.5	8	19.5	0.005
	G1/8	3114 04 10	9.5	13	22.5	0.010
	G1/4	3114 04 13	13.5	16	26.5	0.015
6	G1/8	3114 06 10	9.5	13	24.5	0.011
	G1/4	3114 06 13	13.5	16	28.5	0.016
	G1/8	3114 08 10	9.5	13	29	0.015
8	G1/4	3114 08 13	13.5	16	33	0.021
	G3/8	3114 08 17	14	19	34	0.025
	G1/4	3114 10 13	13.5	16	36	0.028
10	G3/8	3114 10 17	14	19	36	0.027
	G1/2	3114 10 21	19.5	24	41.5	0.047
12	G3/8	3114 12 17	14	19	40	0.033
	G1/2	3114 12 21	19.5	24	45.5	0.052
14	G3/8	3114 14 17	14	22	42.5	0.057
16	G1/2	3114 16 21	15	27	49	0.096

3131 Stud Standpipe, Male BSPP and Metric Thread

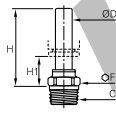
Technical polymer, Nickel-plated brass, NBR



ØD	C		E	F	H	H1	Kg
4	M5x0.8	3131 04 19	3.5	8	31	16	0.002
	G1/8	3131 04 10	5	13	30	13.5	0.005
	G1/4	3131 04 13	5.5	16	31	13.5	0.010
6	G1/8	3131 06 10	5	13	32	13.5	0.005
	G1/4	3131 06 13	5.5	16	33	13.5	0.010
	G1/8	3131 08 10	5	13	35.5	12.5	0.008
8	G1/4	3131 08 13	5.5	16	34.5	10.5	0.010
	G3/8	3131 08 17	5.5	20	34.5	10.5	0.015
	G1/4	3131 10 13	5.5	16	43.5	17.5	0.012
10	G3/8	3131 10 17	5.5	20	41.5	15.5	0.015
	G1/2	3131 10 21	7	24	41.5	15.5	0.024
12	G3/8	3131 12 17	5.5	20	42	12	0.015
	G1/2	3131 12 21	7	24	43.5	12	0.024
14	G3/8	3131 14 17	5.5	20	46.5	14	0.016
	G1/2	3131 14 21	7	24	48	13.5	0.025

3121 Stud Standpipe, Male BSPT Thread

Technical polymer, Nickel-plated brass

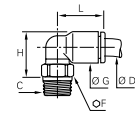


ØD	C		F	H	H1	Kg
4	R1/8	3121 04 10	10	26	14	0.005
	R1/4	3121 04 13	14	26.5	14.5	0.014
6	R1/8	3121 06 10	10	28	14	0.005
	R1/4	3121 06 13	14	28.5	14.5	0.014
8	R1/8	3121 08 10	10	29.5	11	0.005
	R1/4	3121 08 13	14	28.5	10	0.012
10	R1/4	3121 10 13	15	36	15.5	0.012
	R3/8	3121 10 17	17	36	15.5	0.017
12	R1/2	3121 10 21	21	36	15.5	0.032
	R3/8	3121 12 17	17	36.5	12	0.018
	R1/2	3121 12 21	21	36.5	12	0.030

Pre-coated thread

3109 Stud Elbow, Male BSPT Thread

Technical polymer, Nickel-plated brass, NBR



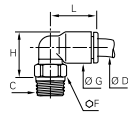
ØD	C		F	G	H	L	Kg
4	R1/8	3109 04 10	10	8.5	13.5	14	0.006
	R1/4	3109 04 13	14	8.5	14	14	0.015
6	R3/8	3109 04 17	17	8.5	13.5	14	0.019
	R1/8	3109 06 10	10	10.5	15.5	16	0.006
	R1/4	3109 06 13	14	10.5	16	16	0.015
8	R3/8	3109 06 17	17	10.5	16	16	0.020
	R1/2	3109 06 21	21	10.5	16.5	16	0.035
	R1/8	3109 08 10	10	13.5	19	23	0.007
10	R1/4	3109 08 13	14	13.5	18	23	0.014
	R3/8	3109 08 17	17	13.5	18	23	0.018
	R1/2	3109 08 21	21	13.5	19.5	23	0.032
12	R1/8	3109 10 10	15	16	23	26.5	0.012
	R1/4	3109 10 13	15	16	22	26.5	0.014
	R3/8	3109 10 17	17	16	22	26.5	0.020
14	R1/2	3109 10 21	21	16	22	26.5	0.034
	R1/4	3109 12 13	15	19	25	31	0.016
	R3/8	3109 12 17	17	19	25	31	0.022
16	R1/2	3109 12 21	21	19	25	31	0.037
	R3/8	3109 14 17	20	22	30.5	35.5	0.031
16	R1/2	3109 14 21	24	22	28.5	35.5	0.042
	R3/8	3109 16 17	27	27	53	39	0.106
16	R1/2	3109 16 21	27	27	53	39	0.104

Pre-coated thread
The body swivels for positioning purposes.

LF 3000® Push-In Fittings / Stud Fittings

3109 Stud Elbow, Male NPT Thread

Technical polymer, Nickel-plated brass, NBR



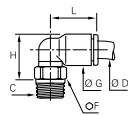
ØD	C		F	G	H	L	Kg
4	NPT1/8	3109 04 11	11	8.4	13.5	14	0.007
	NPT1/4	3109 04 14	14	8.4	14	14	0.016
6	NPT1/8	3109 06 11	11	10.5	15.5	16	0.007
	NPT1/4	3109 06 14	14	10.5	16	16	0.016
8	NPT1/8	3109 08 11	11	13.5	19	23.1	0.009
	NPT1/4	3109 08 14	14	13.5	18	23.1	0.015
10	NPT3/8	3109 10 18	18	16	22	26.5	0.023
	NPT1/2	3109 10 22	22	16	23	26.5	0.046
12	NPT1/2	3109 12 22	22	19	26	31	0.048

Pre-coated thread
The body swivels for positioning purposes.

3109 Stud Elbow, Male NPT Thread

Inch

Technical polymer, Nickel-plated brass, NBR



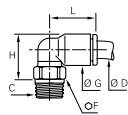
ØD	C		F	G	H	L	Kg
1/8	NPT1/8	3109 53 11	11	8.6	13.5	14.5	0.007
	NPT1/4	3109 53 14	14	8.6	14	14.5	0.015
1/4	NPT1/8	3109 56 11	11	11	17	18	0.008
	NPT1/4	3109 56 14	14	11	16	18	0.014
3/8	NPT3/8	3109 56 18	18	11	16.5	18	0.021
	NPT1/8	3109 60 11	15	16	23.1	27.4	0.014
1/2	NPT1/4	3109 60 14	15	16	23.1	27.4	0.017
	NPT3/8	3109 60 18	18	16	22.1	27.4	0.024
1/2	NPT3/8	3109 62 18	20	22.1	31	35.1	0.033
	NPT1/2	3109 62 22	24	22.1	28.4	35.1	0.045

Pre-coated thread
The body swivels for positioning purposes.
5/32"(4 mm) and 5/16"(8 mm) are also available.

3109 Stud Elbow, Male BSPT Thread

Inch

Technical polymer, Nickel-plated brass, NBR

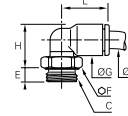


ØD	C		F	G	H	L	Kg
1/8	R1/8	3109 53 10	10	8.6	13.5	14.5	0.011
	R1/8	3109 56 10	10	11	17	18	0.006
1/4	R1/4	3109 56 13	14	11	17	18	0.013
	R1/4	3109 60 13	15	16	22.1	26.4	0.016
3/8	R3/8	3109 60 17	17	16	22.1	26.4	0.054
	R1/4	3109 62 13	20	22.1	31	35.1	0.064
1/2	R3/8	3109 62 17	20	22.1	31	35.1	0.067
	R1/2	3109 62 21	24	22.1	28.4	35.1	0.046

Pre-coated thread
The body swivels for positioning purposes.
5/32"(4 mm) and 5/16"(8 mm) are also available.

3199 Stud Elbow, Male BSPP and Metric Thread

Technical polymer, Nickel-plated brass, NBR



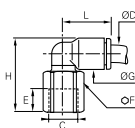
ØD	C		E	F	G	H	L	Kg
3	M3x0.5	3199 03 09*	2.5	8	8.5	15	13	0.003
	M5x0.8	3199 03 19	3	8	8.5	13.5	13	0.003
4	M3x0.5	3199 04 09*	2.5	8	8.5	15	15	0.003
	M5x0.8	3199 04 19	3	8	8.5	13.5	15	0.002
4	M7x1	3199 04 55	4.5	10	8.5	15	14	0.005
	G1/8	3199 04 10	4.5	13	8.5	13	15	0.006
6	G1/4	3199 04 13	5.5	16	8.5	13	15	0.011
	M5x0.8	3199 06 19	3	8	10.5	15.5	17	0.003
6	M7x1	3199 06 55	4.5	10	10.5	17.5	17	0.006
	M10x1	3199 06 60	4.5	13	10.5	15	14	0.006
6	M12x1.5	3199 06 67	5.5	15	10.5	17	17	0.009
	G1/8	3199 06 10	4.5	13	10.5	15	17	0.006
6	G1/4	3199 06 13	5.5	16	10.5	15	17	0.011
	G3/8	3199 06 17	5.5	20	10.5	16	17	0.022
8	G1/2	3199 06 21	7	24	10.5	16	17	0.027
	M10x1	3199 08 60	4.5	13	13.5	20.5	23	0.009
8	M12x1.5	3199 08 67	5.5	15	13.5	18.5	23	0.009
	G1/8	3199 08 10	4.5	13	13.5	20.5	23	0.009
8	G1/4	3199 08 13	5.5	16	13.5	18.5	23	0.012
	G3/8	3199 08 17	5.5	20	13.5	18.5	23	0.017
10	G1/2	3199 08 21	7	24	13.5	19	23	0.027
	G1/4	3199 10 13	5.5	16	16	23.5	26.5	0.014
10	G3/8	3199 10 17	5.5	20	16	22	26.5	0.017
	G1/2	3199 10 21	7	24	16	22	26.5	0.026
12	G1/4	3199 12 13	5.5	16	19	26.5	31	0.016
	G3/8	3199 12 17	5.5	20	19	25	31	0.019
12	G1/2	3199 12 21	7	24	19	25	31	0.029
	G3/8	3199 14 17	5.5	20	22	32.5	35.5	0.029
14	G1/2	3199 14 21	7	24	22	27	35.5	0.028
	G3/8	3199 16 17	7.5	27	27	54.5	39	0.101
16	G1/2	3199 16 21	9	27	27	54.5	39	0.097

The body swivels for positioning purposes.
*Bi-material seal

LF 3000® Push-In Fittings / Stud Fittings

3192 Stud Elbow, Female BSPP Thread

Technical polymer, Nickel-plated brass, NBR

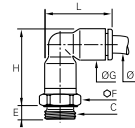


ØD	C		E	F	G	H	L	Kg
4	G1/8	3192 04 10	8.5	13	8.5	23	14	0.010
	G1/4	3192 04 13	11.5	16	8.5	27	14	0.016
6	G1/8	3192 06 10	8.5	13	10.5	25	16	0.010
	G1/4	3192 06 13	11.5	16	10.5	29	16	0.017
8	G1/8	3192 08 10	8.5	13	13.5	28	23	0.012
	G1/4	3192 08 13	11.5	16	13.5	32	23	0.020
10	G3/8	3192 08 17	12	19	13.5	33	23	0.026
	G1/4	3192 10 13	11	16	16	34.5	26.5	0.020
12	G3/8	3192 10 17	12	19	16	35	26.5	0.025
	G1/2	3192 10 21	16	24	16	41	26.5	0.048
14	G1/4	3192 12 13	11	16	19	38	30.5	0.022
	G3/8	3192 12 17	12	19	19	38.5	30.5	0.027
16	G1/2	3192 12 21	16	24	19	43.5	30.5	0.050

The body swivels for positioning purposes.

3169 Extended Stud Elbow, Male BSPP and Metric Thread

Technical polymer, Nickel-plated brass, NBR

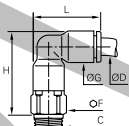


ØD	C		E	F	G	H	L	Kg
4	M5x0.8	3169 04 19	3.5	8	8.5	23	19	0.006
	G1/8	3169 04 10	5	13	8.5	22.5	19	0.008
6	G1/4	3169 04 13	5.5	16	8.5	22.5	19	0.014
	M5x0.8	3169 06 19	3.5	10	10.5	27.5	23	0.008
8	M7x1	3169 06 55	4.5	10	10.5	26	23	0.012
	G1/8	3169 06 10	5	13	10.5	27	23	0.011
10	G1/4	3169 06 13	5.5	16	10.5	27	23	0.016
	G1/8	3169 08 10	5	13	13.5	36	29.5	0.018
12	G1/4	3169 08 13	5.5	16	13.5	33	29.5	0.021
	G3/8	3169 08 17	5.5	20	13.5	33	29.5	0.028
14	G1/4	3169 10 13	5.5	16	16	40.5	34.5	0.028
	G3/8	3169 10 17	5.5	20	16	40.5	34.5	0.036
16	G1/2	3169 10 21	7	24	16	40.5	34.5	0.049
	G1/4	3169 12 13	5.5	19	19	44.5	40.5	0.044
18	G3/8	3169 12 17	5.5	20	19	42	40.5	0.038
	G1/2	3169 12 21	7	24	19	42	40.5	0.043
20	G3/8	3169 14 17	5.5	22	22	51	46.5	0.059
	G1/2	3169 14 21	7	24	22	48.5	46.5	0.063
22	G3/8	3169 16 17	7.5	27	27	82.5	52	0.220
	G1/2	3169 16 21	9	27	27	82.5	52	0.206

The body swivels for positioning purposes.

3129 Extended Stud Elbow, Male BSPT Thread

Technical polymer, Nickel-plated brass, NBR



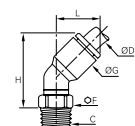
ØD	C		F	G	H	L	Kg
4	R1/8	3129 04 10	10	8.5	23	19	0.008
	R1/4	3129 04 13	14	8.5	23.5	19	0.018
6	R1/8	3129 06 10	10	10.5	27	22.5	0.010
	R1/4	3129 06 13	14	10.5	27.5	22.5	0.020
8	R1/8	3129 08 10	13	13.5	34.5	29.5	0.018
	R1/4	3129 08 13	14	13.5	32.5	29.5	0.022
10	R3/8	3129 08 17	17	13.5	33	29.5	0.032
	R1/4	3129 10 13	15	16	39.5	34.5	0.031
12	R3/8	3129 10 17	17	16	39.5	34.5	0.042
	R1/2	3129 10 21	21	16	39.5	34.5	0.058
14	R1/4	3129 12 13	19	19	45.5	40.5	0.051
	R3/8	3129 12 17	19	19	45.5	40.5	0.047
16	R1/2	3129 12 21	21	19	45.5	40.5	0.053
	R3/8	3129 14 17	21	22	51.5	46.5	0.065
18	R1/2	3129 14 21	21	22	51.5	46.5	0.071

Pre-coated thread

The body swivels for positioning purposes.

3113 45° Elbow, Male BSPT Thread

Technical polymer, Nickel-plated brass, NBR



ØD	C		F	G	H	L	Kg
4	R1/8	3113 04 10	10	9	21	13	0.006
	R1/8	3113 06 10	10	11	24.5	14.5	0.006
6	R1/4	3113 06 13	14	11	25	14.5	0.015
	R1/8	3113 08 10	10	13.5	30	19.5	0.007
8	R1/4	3113 08 13	14	13.5	28.5	19.5	0.014
	R3/8	3113 08 17	17	13.5	28.5	19.5	0.018
10	R1/4	3113 10 13	15	16	33.5	23	0.014
	R3/8	3113 10 17	17	16	33.5	23	0.020
12	R1/2	3113 10 21	21	16	34	23	0.032
	R1/4	3113 12 13	15	19	39	26	0.016
14	R3/8	3113 12 17	17	19	39	26	0.022
	R1/2	3113 12 21	21	19	39	26	0.034

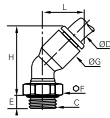
Pre-coated thread

The body swivels for positioning purposes.

This model prevents distortion of the tube.

3133 45° Elbow, Male BSPP and Metric Thread

Technical polymer, Nickel-plated brass, NBR

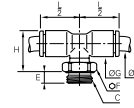


ØD	C		E	F	G	H	L	Kg
4	M5x0.8	3133 04 19	3.5	8	9	23	13	0.003
	G1/8	3133 04 10	4.5	13	9	20.5	13	0.006
6	M5x0.8	3133 06 19	3.5	8	11	28	14.5	0.003
	G1/8	3133 06 10	4.5	13	11	24	14.5	0.006
6	G1/4	3133 06 13	5.5	16	11	24	14.5	0.011
	G1/8	3133 08 10	4.5	13	13.5	31	19.5	0.009
8	G1/4	3133 08 13	5.5	16	13.5	29	19.5	0.012
	G3/8	3133 08 17	5.5	20	13.5	29	19.5	0.017
8	G1/4	3133 10 13	5.5	16	16	35	23	0.014
	G3/8	3133 10 17	5.5	20	16	33.5	23	0.017
10	G1/2	3133 10 21	7	24	16	33.5	23	0.026
	G1/4	3133 12 13	5.5	16	19	40.5	26	0.016
12	G3/8	3133 12 17	5.5	20	19	39	26	0.019
	G1/2	3133 12 21	7	24	19	39	26	0.029

The body swivels for positioning purposes.
This model prevents distortion of the tube.

3198 Stud Branch Tee, Male BSPP and Metric Thread

Technical polymer, Nickel-plated brass, NBR

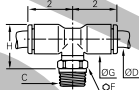


ØD	C		E	F	G	H	L/2	Kg
4	M5x0.8	3198 04 19	3.5	8	8.5	17.5	14	0.003
	G1/8	3198 04 10	5	13	8.5	15	14	0.006
4	G1/4	3198 04 13	5.5	16	8.5	15	14	0.011
	M5x0.8	3198 06 19	3.5	8	10.5	19.5	16	0.004
6	G1/8	3198 06 10	5	13	10.5	17	16	0.007
	G1/4	3198 06 13	5.5	16	10.5	17	16	0.012
6	G1/8	3198 08 10	4.5	13	13.5	23.5	23	0.011
	G1/4	3198 08 13	5.5	16	13.5	21.5	23	0.014
8	G3/8	3198 08 17	5.5	20	13.5	21.5	23	0.019
	G1/4	3198 10 13	5.5	16	16	26	26.5	0.017
10	G3/8	3198 10 17	5.5	20	16	24	26.5	0.020
	G1/2	3198 10 21	7	24	16	24	26.5	0.029
12	G1/4	3198 12 13	5.5	16	19	29	31	0.021
	G3/8	3198 12 17	5.5	20	19	27	31	0.024
12	G1/2	3198 12 21	7	24	19	27	31	0.033
	G3/8	3198 14 17	5.5	20	22	32.5	35.5	0.036
14	G1/2	3198 14 21	7	24	22	27	35.5	0.036
	G3/8	3198 16 17	7.5	27	27	54.5	38.5	0.121
16	G1/2	3198 16 21	9	27	27	54.5	38.5	0.117

The body swivels for positioning purposes.

3108 Stud Branch Tee, Male BSPT Thread

Technical polymer, Nickel-plated brass, NBR

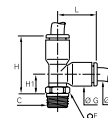


ØD	C		F	G	H	L/2	Kg
4	R1/8	3108 04 10	10	8.5	15.5	14	0.006
	R1/4	3108 04 13	14	8.5	16	14	0.015
6	R1/8	3108 06 10	10	10.5	17.5	16	0.007
	R1/4	3108 06 13	14	10.5	18	16	0.016
6	R1/8	3108 08 10	10	13.5	22	23	0.009
	R1/4	3108 08 13	14	13.5	21	23	0.016
8	R3/8	3108 08 17	17	13.5	21	23	0.020
	R1/4	3108 10 13	15	16	24	26.5	0.017
10	R3/8	3108 10 17	17	16	24	26.5	0.022
	R1/2	3108 10 21	21	16	24	26.5	0.034
10	R1/4	3108 12 13	15	19	27	31	0.021
	R3/8	3108 12 17	17	19	27	31	0.027
12	R1/2	3108 12 21	21	19	27	31	0.041
	R3/8	3108 14 17	20	22	30.5	35	0.038
14	R1/2	3108 14 21	24	22	28.5	35	0.049
	R3/8	3108 16 17	27	27	53	38.5	0.128
16	R1/2	3108 16 21	27	27	53	38.5	0.124

Pre-coated thread
The body swivels for positioning purposes.

3103 Stud Run Tee, BSPT Thread

Technical polymer, Nickel-plated brass, NBR



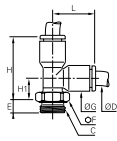
ØD	C		F	G	H	H1	L	Kg
4	R1/8	3103 04 10	10	8.5	23.5	9	14.5	0.006
	R1/4	3103 04 13	14	8.5	24	9.5	14.5	0.015
6	R1/8	3103 06 10	10	10.5	27.5	10	17.5	0.007
	R1/4	3103 06 13	14	10.5	28	10.5	17.5	0.016
6	R1/8	3103 08 10	10	13.5	35	12	23	0.009
	R1/4	3103 08 13	14	13.5	34	11	23	0.015
8	R3/8	3103 08 17	17	13.5	34	11	23	0.020
	R1/4	3103 10 13	15	16	40.5	14	26.5	0.017
10	R3/8	3103 10 17	17	16	40.5	14	26.5	0.022
	R1/2	3103 10 21	21	16	40.5	14	26.5	0.035
10	R1/4	3103 12 13	15	19	46.5	15.5	31	0.021
	R3/8	3103 12 17	17	19	46.5	15.5	31	0.026
12	R1/2	3103 12 21	21	19	46.5	15.5	31	0.041
	R3/8	3103 14 21	24	22	52.5	17.5	35.5	0.049
14	R3/8	3103 16 17	27	27	78	27	38.5	0.126
	R1/2	3103 16 21	27	27	78	27	38.5	0.124

Pre-coated thread
The body swivels for positioning purposes.

LF 3000® Push-In Fittings / Stud Fittings

3193 Stud Run Tee, Male BSPP and Metric Thread

Technical polymer, Nickel-plated brass, NBR

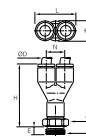


ØD	C		E	F	G	H	H1	L	Kg
4	M5x0.8	3193 04 19	3.5	8	8.5	26	11.5	14.5	0.003
	G1/8	3193 04 10	5	13	8.5	23	8.5	14.5	0.006
	G1/4	3193 04 13	5.5	16	8.5	23	8.5	14.5	0.011
6	M5x0.8	3193 06 19	3.5	8	10.5	29.5	12.5	17.5	0.004
	G1/8	3193 06 10	5	13	10.5	27	10	17.5	0.007
	G1/4	3193 06 13	5.5	16	10.5	27	10	17.5	0.012
8	G1/8	3193 08 10	4.5	13	13.5	36.5	14	23	0.011
	G1/4	3193 08 13	5.5	16	13.5	34.5	12	23	0.014
	G3/8	3193 08 17	5.5	20	13.5	34.5	12	23	0.019
10	G1/4	3193 10 13	5.5	16	16	42	15.5	26.5	0.017
	G3/8	3193 10 17	5.5	20	16	40.5	14	26.5	0.020
	G1/2	3193 10 21	7	24	16	40.5	14	26.5	0.029
12	G1/4	3193 12 13	5.5	16	19	48	17	31	0.021
	G3/8	3193 12 17	5.5	20	19	46.5	15.5	31	0.024
	G1/2	3193 12 21	7	24	19	46.5	15.5	31	0.033
14	G3/8	3193 14 17	5.5	20	22	56.5	21.5	35.5	0.036
	G1/2	3193 14 21	7	24	22	51	16	35.5	0.036
	G3/8	3193 16 17	7.5	27	27	79.5	41	38.5	0.121
16	G1/2	3193 16 21	9	27	27	79.5	41	38.5	0.117

The body swivels for positioning purposes.

3158 Y Piece, Male BSPP and Metric Thread

Technical polymer, Nickel-plated brass, NBR

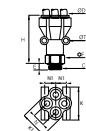


ØD	C		E	F	H	K	L	N	Kg
4	M5x0.8	3158 04 19	3.5	8	32.5	8.5	17.5	9	0.006
	M5x0.8	3158 06 19	3.5	10	39.5	10.5	21.5	11	0.009
6	G1/8	3158 06 10	5	13	39	10.5	21.5	11	0.012
	G1/4	3158 06 13	5.5	16	39.5	10.5	21.5	11	0.017
8	G1/8	3158 08 10	5	13	49	13.5	28	14.5	0.020
	G1/4	3158 08 13	5.5	16	49.5	13.5	28	14.5	0.023
	G3/8	3158 08 17	6	19	48	13.5	28	14.5	0.031
10	G1/4	3158 10 13	5.5	16	58	16	33	17	0.032
	G3/8	3158 10 17	6	20	57.5	16	33	17	0.040
12	G1/2	3158 10 21	7	24	58	16	33	17	0.054
	G3/8	3158 12 17	6	20	62	19	39	20	0.044
	G1/2	3158 12 21	7	24	63	19	39	20	0.050

The body swivels for positioning purposes.

3132 Double Y, Male BSPP Thread

Technical polymer, Nickel-plated brass, NBR

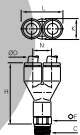


ØD	C		E	F	H	K	K1	N	N1	ØT	Kg
4	G1/8	3132 04 10	5	13	41	25.5	21	10	8.5	3.7	0.022
	G1/4	3132 04 13	5.5	16	40	25.5	21	10	8.5	3.7	0.026
6	G1/8	3132 06 10	5	19	53.5	31.5	26.5	12	10	3.7	0.041
	G1/4	3132 06 13	5.5	19	52.5	31.5	26.5	12	10	3.7	0.042

The body swivels for positioning purposes.

3148 Y Piece, Male BSPT Thread

Technical polymer, Nickel-plated brass, NBR



ØD	C		F	H	K	L	N	Kg
4	R1/8	3148 04 10	10	32.5	8.5	17.5	9	0.009
	R1/4	3148 04 13	14	33	8.5	17.5	9	0.018
6	R1/8	3148 06 10	10	39.5	10.5	21.5	11	0.012
	R1/4	3148 06 13	14	40	10.5	21.5	11	0.021
8	R1/8	3148 08 10	13	56.5	13.5	28	14.5	0.020
	R1/4	3148 08 13	14	55.5	13.5	28	14.5	0.025
	R3/8	3148 08 17	16	48.5	13.5	28	14.5	0.034
10	R1/4	3148 10 13	14	60	19	39	20	0.033
	R3/8	3148 10 17	16	60.5	19	39	20	0.043
	R1/2	3148 10 21	24	61	19	39	20	0.062
12	R3/8	3148 12 17	19	66	19	39	20	0.054
	R1/2	3148 12 21	21	66	19	39	20	0.059

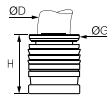
Pre-coated thread

The body swivels for positioning purposes.

LF 3000® Push-In Fittings / Stud Fittings

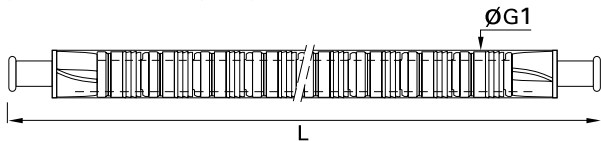
3100 Carstick® Cartridge

Brass, NBR



ØD		G	G1	H	L	Kg
4	3100 04 00	8	11	10	554	0.007
6	3100 06 00	10	14.5	11.5	629	0.002
8	3100 08 00	13	15	15	794	0.002
10	3100 10 00	15.5	19.5	17	930	0.005
12	3100 12 00	19.5	21	19.5	1038	0.010
14	3100 14 00	21	24.5	22.5	1110	0.013

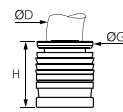
50 cartridges per Carstick®.
Cavity dimensions are available upon request



3100 Carstick® Cartridge

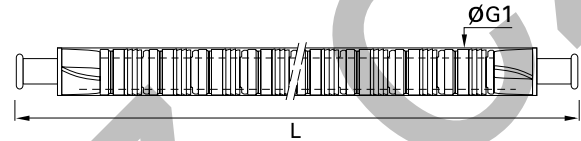
Inch

Nickel-plated brass, NBR

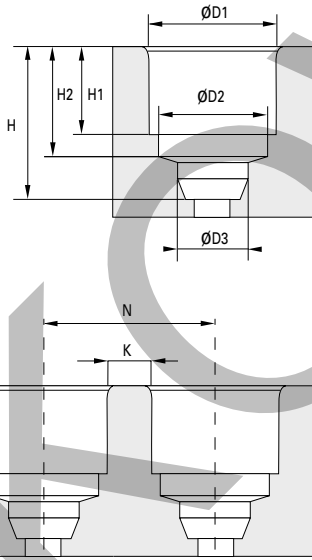


ØD		G	G1	H	L	Kg
1/8	3100 53 00 99	7	10	9	508	0.002
5/32	3100 04 00 99	8	11	10	554	0.007
1/4	3100 56 00 99	10.5	14.5	12	600	0.003
5/16	3100 08 00 99	13	15	15	794	0.002
3/8	3100 60 00 99	15.5	19	16.5	930	0.006

50 cartridges per Carstick®
(4 mm) and 5/16" (8 mm) also available.
Cavity dimensions are available upon request



Cavity Dimensions



Carstick® Metric

Cavity	ØD3	H	H1	H2
4	4.1	10	6	8.15
6	6.1	12	7.5	9.65
8	8.15	15.5	9.9	12.45
10	10.25	19	11.7	14.35
12	12.17	22	13.9	16.75

Carstick® Inch

Cavity	ØD3	H	H1	H2
1/8	3.25	9.5	5.3	7.45
5/32*	4.1	10	6	8.15
1/4	6.45	12.5	8	10.15
5/16*	8.15	15.5	9.9	12.45
3/8	9.65	19	11.7	14.35

Polyamide Cavity

Cavity	ØD1	ØD2	N	K
4	8.25	7.05	9.8	1.5
6	10.2	9.15	12.2	2
8	12.15	10.85	14.2	2
10	14.8	13.2	16.8	2
12	17.5	15.5	20	2.5

Cavity	ØD1	ØD2	N	K
1/8	7.05	6.02	8.6	1.5
5/32*	8.25	7.05	9.75	1.5
1/4	10.55	9.35	12.6	2
5/16*	12.15	10.85	14.2	2
3/8	14.8	13.1	16.8	2

Aluminium Cavity

Cavity	ØD1	ØD2	N	K
4	8.25	7.5	11.5	3
6	10.3	9.15	13.5	3
8	12.2	10.85	15.2	3
10	15.05	13.2	17.1	2
12	17.5	15.5	20	2.5

Cavity	ØD1	ØD2	N	K
1/8	7.1	6.2	8.6	1.5
5/32*	8.25	7.05	11.25	3
1/4	10.6	9.35	12.65	2
5/16*	12.2	10.85	15.2	3
3/8	15.05	13.1	17.1	2

Brass Cavity

Cavity	ØD1	ØD2	N	K
4	8.25	7.05	10.25	2
6	10.25	9.1	12.25	2
8	12.2	10.85	14.25	2
10	15.05	13.2	17.1	2
12	17.65	15.5	20	2.5

Cavity	ØD1	ØD2	N	K
1/8	7.1	6.2	8.6	1.5
5/32*	8.25	7.05	10.25	2
1/4	10.6	9.35	12.65	2
5/16*	12.2	10.85	14.25	2
3/8	15.05	13.1	17.1	2

*5/32" = 4 mm and 5/16" = 8 mm

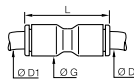
Please consult us for detailed drawings of cavity dimensions and tolerances.

All our dimensions are in millimeters.

LF 3000® Push-In Fittings / Tube-to-Tube Fittings

3106 Equal and Unequal Tube-to-Tube Connector

Technical polymer, NBR

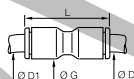


ØD	ØD1		G	L	Kg
3	3	3106 03 00	8.5	25	0.002
	4	3106 03 04	8.5	25	0.002
	1/4	3106 04 56	11	29.5	0.005
4	4	3106 04 00	8.5	25	0.001
	6	3106 04 06	11	28	0.002
	8	3106 04 08	13.5	38	0.005
6	1/4	3106 06 56	13.5	36	0.009
	6	3106 06 00	10.5	28.5	0.002
	8	3106 06 08	13.5	38	0.005
8	10	3106 06 10	16	42	0.008
	8	3106 08 00	13.5	38	0.004
	10	3106 08 10	16	42	0.007
10	12	3106 08 12	19	50.5	0.026
	10	3106 10 00	16	42	0.005
	12	3106 10 12	19	50.5	0.018
12	1/2	3106 12 62	22	56.5	0.041
	12	3106 12 00	19	50.5	0.009
	14	3106 12 14	22	56	0.025
14	16	3106 12 16	27	61	0.066
	14	3106 14 00	22	56	0.014
16	16	3106 16 00	27	60.5	0.041

3106 Equal and Unequal Tube-to-Tube Connector

Inch

Technical polymer, NBR

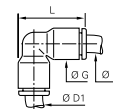


ØD	ØD1		G	L	Kg
1/4	1/4	3106 56 00	11	29.5	0.002
	3/8	3106 60 00	16	42	0.006
3/8	10	3106 60 10	12	50.5	0.028
	1/4	3106 60 56	16	41	0.016
1/2	1/2	3106 62 00	22	55	0.016

5/32"(4 mm) and 5/16"(8 mm) also available

3102 Equal and Unequal Elbow

Technical polymer, NBR

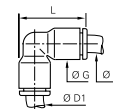


ØD	ØD1		G	L	Kg
4	4	3102 04 00	8.5	19	0.001
	6	3102 04 06	10.5	22.5	0.003
6	6	3102 06 00	10.5	22.5	0.002
	8	3102 06 08	13.5	29.5	0.008
8	8	3102 08 00	13.5	29.5	0.004
	10	3102 08 10	16	34.5	0.011
10	10	3102 10 00	16	34.5	0.006
	12	3102 10 12	19	40.5	0.019
12	12	3102 12 00	19	40.5	0.010
14	14	3102 14 00	22	46.5	0.015
16	16	3102 16 00	27	52	0.043

3102 Equal and Unequal Elbow

Inch

Technical polymer, NBR

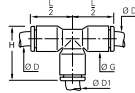


ØD	ØD1		G	L	Kg
1/4	1/4	3102 56 00	11	2.5	0.002
3/8	3/8	3102 60 00	16	34	0.006
1/2	1/2	3102 62 00	22	35	0.017

5/32"(4 mm) and 5/16"(8 mm) also available

3104 Equal and Unequal Tee

Technical polymer, NBR

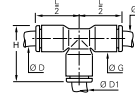


ØD	ØD1		G	H	L/2	Kg
3	3	3104 03 00	8.5	19	14.5	0.004
4	4	3104 04 00	8.5	19	14.5	0.002
	6	3104 04 06	10.5	22.5	17.5	0.007
6	4	3104 06 04	10.5	22.5	17.5	0.005
	6	3104 06 00	10.5	22.5	17.5	0.003
8	6	3104 06 08	13.5	29.5	23	0.015
	4	3104 08 04	13.5	29	17.5	0.013
8	6	3104 08 06	13.5	29.5	23	0.010
	8	3104 08 00	13.5	29.5	23	0.006
10	10	3104 08 10	16	34.5	26.5	0.020
	4	3104 10 04	16	33	26	0.023
10	8	3104 10 08	16	34.5	26.5	0.014
	10	3104 10 00	16	34.5	26.5	0.009
12	12	3104 10 12	19	40.5	31	0.033
	4	3104 12 04	19	39	31	0.040
12	10	3104 12 10	19	40.5	31	0.023
	12	3104 12 00	19	40.5	31	0.014
14	8	3104 14 08	22	46	35.5	0.054
	14	3104 14 00	22	46	35.5	0.022
16	12	3104 16 12	27	52.5	39	0.088
	16	3104 16 00	27	52	39	0.063

3104 Equal and Unequal Tee

Inch

Technical polymer, NBR

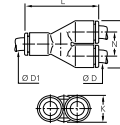


ØD	ØD1		G	H	L/2	Kg
5/32	1/4	3104 04 56	11	23.5	18	0.008
1/8	1/8	3104 53 00	8.4	19	14.5	0.003
	1/4	3104 53 56	11	23.5	18	0.011
3/16	3/16	3104 55 00	11	27.2	21.6	0.016
	5/32	3104 56 04	11	23.5	18.5	0.014
1/4	1/4	3104 56 00	11	23	24	0.003
	1/8	3104 56 53	11	23.5	18.5	0.007
3/8	3/8	3104 56 60	16	33.5	24.5	0.017
	1/4	3104 60 56	16	32.5	25.5	0.019
3/8	3/8	3104 60 00	16	34	26	0.009
	1/2	3104 62 00	22	46	35	0.026
1/2	1/4	3104 62 56	22.1	45.2	35.3	0.059
	3/8	3104 62 60	22	46	35	0.047

5/32"(4 mm) and 5/16"(8 mm) also available

3140 Equal and Unequal Single Y Piece

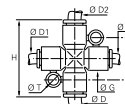
Technical polymer, NBR



ØD	ØD1		H	K	L	N	Kg
4	4	3140 04 00	17.5	8.5	28.5	9	0.002
	6	3140 04 06	17.5	10.5	33	9	0.002
6	6	3140 06 00	21.5	10.5	35	11	0.004
	8	3140 06 08	22.5	13.5	41	11.5	0.005
8	8	3140 08 00	28	13.5	45	14.5	0.006
	10	3140 08 10	28	16	47	14.5	0.008
10	10	3140 10 00	33	16	53	17	0.010
	12	3140 10 12	33	19	57	17	0.012
12	12	3140 12 00	39	19	57	20	0.017

3107 Equal and Unequal Cross

Technical polymer, NBR

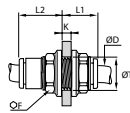


ØD	ØD1	ØD2		G	H	N	ØT	Kg
4	4	4	3107 04 00	11	36	20	4.2	0.014
6	4	6	3107 04 06	11	36	20	4.2	0.009
4	4	6	3107 06 04	11	36	20	4.2	0.011
6	6	6	3107 06 00	11	36	20	4.2	0.005
8	6	8	3107 06 08	11	46	22.5	4.2	0.018
6	6	8	3107 08 06	13.5	46	22.5	4.2	0.022
8	8	8	3107 08 00	13.5	46	22.5	4.2	0.009

LF 3000® Push-In Fittings / Bulkhead Connector Fittings

3116 Equal Bulkhead Connector

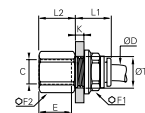
Technical polymer, NBR



ØD		F	K max	L1	L2	ØT min	Kg
4	3116 04 00	13	5.5	15	10	10.5	0.003
6	3116 06 00	15	8	19	11.5	12.5	0.004
8	3116 08 00	18	14.5	25	13.5	15.5	0.007
10	3116 10 00	22	14.5	27.5	15.5	18.5	0.011
12	3116 12 00	26	18.5	33	18	22.5	0.019
14	3116 14 00	29	20.5	37.5	20.5	25.5	0.028

3136 Bulkhead Connector, Female BSP Thread

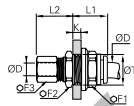
Nickel-plated brass, NBR



ØD	C		E	F1	F2	K max	L1	L2	ØT min	Kg
4	G1/8	3136 04 10	9.5	13	13	7	17	11.5	10.5	0.015
	G1/4	3136 04 13	13.5	13	16	7	17	15.5	10.5	0.021
	G1/8	3136 06 10	9.5	15	15	8	19	10.5	12.5	0.021
6	G1/4	3136 06 13	13.5	15	17	7	19	15.5	12.5	0.027
	G3/8	3136 06 17	12	15	22	8	19	16	12.5	0.041
	G1/8	3136 08 10	9.5	18	17	8	20.5	10.5	15.5	0.029
8	G1/4	3136 08 13	13.5	18	17	8	20.5	14.5	15.5	0.029
	G3/8	3136 10 17	14	22	22	8.5	23	16	18.5	0.050
	G1/2	3136 12 21	19.5	26	27	8.5	27	21.5	22.5	0.098
16	G3/8	3136 16 17	12	29	29	10.5	30	15	27.5	0.125
	G1/2	3136 16 21	15	29	29	10.5	30	19.5	27.5	0.126

3146 Equal Mixed Bulkhead Connector

Nickel-plated brass, NBR

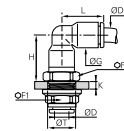


ØD		F1	F2	F3	K max	L1	L2	ØT min	Kg
4	3146 04 00	13	13	10	7	17.5	17.5	10.5	0.018
6	3146 06 00	15	17	13	8	19	18	12.5	0.028
8	3146 08 00	18	19	14	8	20.5	20.5	15.5	0.036
10	3146 10 00	22	22	19	8.5	23	24.5	18.5	0.062
12	3146 12 00	26	25	22	8.5	27	25	22.5	0.095
14	3146 14 00	29	29	24	10.5	27	27	25.5	0.124

Push-in connection with compression fitting

3139 Equal Bulkhead Elbow

Technical polymer, Nickel-plated brass, NBR



ØD		F	F1	G	H	K max	L	ØT min	Kg
4	3139 04 00	13	13	8.5	17	6.5	14.5	10.5	0.014
6	3139 06 00	17	15	10.5	19.5	7	17.5	12.5	0.021
8	3139 08 00	19	18	13.5	24	8	23	15.5	0.032
10	3139 10 00	22	22	16	28	8.5	26	18.5	0.048
12	3139 12 00	24	26	19	33	8.5	31	22.5	0.084
14	3139 14 00	27	29	25.5	37.5	10.5	36	25.5	0.117

The body swivels for positioning purposes.

Boxes protect the contents and are designed to meet your requirements:

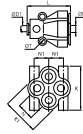
- part numbers and corresponding product pictures allow for immediate visual identification
- bar codes
- easy storage
- tamper-proof system of opening/closing
- recyclable material



LF 3000® Push-In Fittings / Multiple Fittings

3144 Equal and Unequal Multiple Y Piece

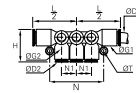
Technical polymer, NBR



ØD	ØD1		K	K1	L	N	N1	ØT	Kg
4	4	3144 04 04	25.5	21	30.5	10	8.5	3.7	0.015
	6	3144 04 06	25.5	21	30.5	10	8.5	3.7	0.013
6	6	3144 06 06	31.5	26.5	37.5	12	10	3.7	0.032
	8	3144 06 08	31.5	26.5	38	12	10	3.7	0.026

3306 90° Multiple Elbow

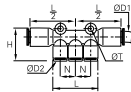
Technical polymer, NBR



ØD1	ØD2		G	G1	H	L/2	N	N1	ØT	Kg
6	4	3306 06 04	13.5	11	18.5	36	43	11.5	4.2	0.034
8	4	3306 08 04	13.5	11	18.5	36.5	43	11.5	4.2	0.025
	6	3306 08 06	13.5	11	18.5	36.5	43	11.5	4.2	0.022
10	6	3306 10 06	16	13.5	23	42	52	14.5	4.2	0.048
	8	3306 10 08	16	13.5	23.5	42	52	14.5	4.2	0.021

3304 Multiple Tee

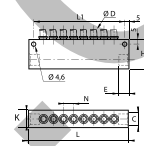
Technical polymer, NBR



ØD1	ØD2		H	L	L/2	N	ØT	Kg
6	4	3304 06 04	24.5	34	37	11.5	4.2	0.015
4	4	3304 08 04	24.5	34	37	11.5	4.2	0.012
8	6	3304 08 06	24.5	34	37	11.5	4.2	0.010
10	6	3304 10 06	36	44	40.5	14.5	4.2	0.019
	8	3304 10 08	36	44	40.5	15.5	4.2	0.015

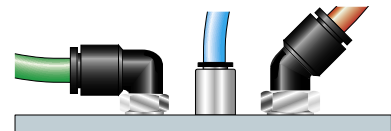
3310 In-Line Manifold

Treated aluminium, NBR



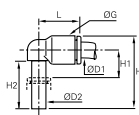
ØD	C		Number of Outlets	E	H	K	L	L1	N	Kg
4	G1/4	3310 04 13	8	10	33	20	114	104	11.5	0.164
6	G1/4	3310 06 13	8	10	33	20	114	104	12.5	0.160
8	G3/8	3310 08 17	6	12	33	20	114	104	15	0.149
10	G1/2	3310 10 21	6	16	48	25	145.5	135.5	17	0.329
12	G1/2	3310 12 21	4	16	45	25	158	148	20.5	0.354

Parker Legris offers the solution to enable many types of configuration options.



3182 Equal and Unequal Plug-In Elbow

Technical polymer, NBR

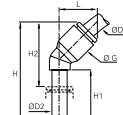


ØD1	ØD2		G	H	H1	H2	L	Kg
4	4	3182 04 00	8.5	23	6	15.5	14	0.005
4	6	3182 04 06	10.5	26.5	7	17	16	0.004
	4	3182 06 04	10.5	24.5	7	15.5	16	0.001
6	6	3182 06 00	10.5	26.5	7	17	16	0.001
	8	3182 06 08	13.5	33.5	8	21.5	23	0.007
8	8	3182 08 00	13.5	33.5	8	21.5	23	0.003
	10	3182 08 10	16	39	10	24.5	26.5	0.010
10	10	3182 10 00	16	39	10	24.5	26.5	0.004
	12	3182 10 12	19	44.5	10.5	27.5	31	0.016
12	12	3182 12 00	19	45.5	10.5	27.5	31	0.007

The references in diameter 4mm and 12mm are not grooved in standard version

3180 45° Plug-In Equal Elbow

Technical polymer, NBR

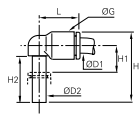


ØD1	ØD2		G	H	H1	H2	L	Kg
4	4	3180 04 00	9	33.5	19	21	13	0.001
6	6	3180 06 00	11	39	21	25	14.5	0.002
8	8	3180 08 00	13.5	44	21.5	25.5	19.5	0.003
10	10	3180 10 00	16	53	27	32.5	23	0.004
12	12	3180 12 00	19	58.5	27.5	34	26.5	0.007

3182 Equal Plug-In Elbow

Inch

Technical polymer, NBR

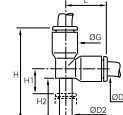


ØD1	ØD2		G	H	H1	H2	L	Kg
1/4	1/4	3182 56 00	11	27.5	7.5	18	18.5	0.002
3/8	3/8	3182 60 00	16	38.5	9	24	26	0.010

5/32"(4 mm) and 5/16"(8 mm) also available

3183 Equal and Unequal Plug-In Run Tee

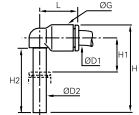
Technical polymer, NBR



ØD1	ØD2		G	H	H1	H2	L	Kg
4	4	3183 04 00	8.5	33	6	15.5	14.5	0.002
	6	3183 04 06	10.5	38.5	7	17	17.5	0.006
6	6	3183 06 00	10.5	38.5	7	17	17	0.002
	8	3183 06 08	13.5	48.5	8	21.5	23	0.014
8	8	3183 08 00	13.5	49	8	21.5	23	0.004
	10	3183 08 10	16	56.5	10.5	24.5	26.5	0.018
10	10	3183 10 00	16	57	10.5	24.5	26.5	0.007
	12	3183 10 12	19	65.5	10.5	27.5	31	0.034
12	12	3183 12 00	19	65.5	10.5	27.5	31	0.011

3184 Extended Equal and Unequal Plug-In Elbow

Technical polymer, NBR

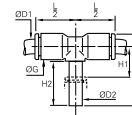


ØD1	ØD2		G	H	H1	H2	L	Kg
4	4	3184 04 00	8.5	32.5	15.5	25	14	0.004
	6	3184 04 06	10.5	38.5	19	29	16	0.004
6	6	3184 06 00	10.5	38.5	19	29	16	0.002
	8	3184 06 08	13.5	49	23.5	37	23	0.007
8	8	3184 08 00	13.5	49	23.5	37	23	0.003
	10	3184 08 10	16	56	26.5	41.5	26.5	0.011
10	10	3184 10 00	16	56	26.5	41.5	26.5	0.005
	12	3184 10 12	19	62.5	28	45.5	31	0.017
12	12	3184 12 00	19	62.5	28	45.5	31	0.008

The references in diameter 4mm and 12mm are not grooved in standard version

3188 Equal and Unequal Plug-In Branch Tee

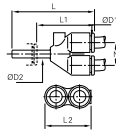
Technical polymer, NBR



ØD1	ØD2		G	H	H1	H2	L/2	Kg
4	4	3188 04 00	8.5	25	8	15.5	14.5	0.001
	6	3188 04 06	10.5	28.5	9	17	16	0.007
6	6	3188 06 00	10.5	28.5	9	17	16	0.002
	8	3188 06 08	13.5	36.5	11	21.5	22	0.014
8	8	3188 08 00	13.5	36.5	11	21.5	23	0.004
	10	3188 08 10	16	41	12.5	24.5	26.5	0.018
10	10	3188 10 00	16	41	12.5	24.5	26.5	0.007
	12	3188 10 12	19	46.5	12.5	27.5	31	0.030
12	12	3188 12 00	19	46.5	12.5	27.5	31	0.012

3142 Equal and Unequal Plug-In Single Y Piece

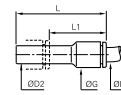
Technical polymer, NBR



ØD1	ØD2		L	L1	L2	N	Kg
4	4	3142 04 00	34	21.5	17.5	9	0.002
	6	3142 04 06	35.5	21.5	17.5	9	0.002
6	6	3142 06 00	39.5	25.5	21.5	11	0.004
	8	3142 06 08	44.5	26	22	11	0.006
8	8	3142 08 00	50.5	32	28	14.5	0.007
	10	3142 08 10	53.5	32	28	14.5	0.022
10	10	3142 10 00	57.5	36	33	17	0.010
	12	3142 10 12	60	35	33	17	0.035
12	12	3142 12 00	66	41	39	20	0.017

3166 Plug-In Reducer

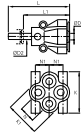
Technical polymer, NBR



ØD1	ØD2		G	L	L1	Kg
3	4	3166 03 04	8.5	37.5	23.5	0.002
	6	3166 04 06	8.5	37.5	23.5	0.001
4	8	3166 04 08	8.5	37.5	19	0.001
	10	3166 04 10	10.5	38	18	0.003
6	8	3166 06 08	10.5	37.5	20	0.001
	10	3166 06 10	10.5	38	17.5	0.002
8	12	3166 06 12	14.5	46	23	0.005
	14	3166 06 14	14.5	48	23	0.007
10	12	3166 08 10	13.5	49	28.5	0.003
	14	3166 08 14	13.5	49	24.5	0.004
12	14	3166 08 14	17	48	23	0.007
	12	3166 10 12	21.5	56.5	33.5	0.005
10	14	3166 10 14	21.5	58.5	33.5	0.005
	12	3166 12 14	23.5	58.5	33.5	0.007

3143 Multiple Plug-In Y Piece

Technical polymer, Nickel-plated brass, NBR

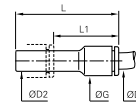


ØD1	ØD2		K	K1	L	L1	N	N1	Kg
4	6	3143 04 06	26	21.5	49.5	35.5	11	8.5	0.018
	8	3143 04 08	26	21.5	51	32	11	8.5	0.021
6	8	3143 06 08	31.5	26.5	57.5	39	12	10	0.035

3166 Plug-In Reducer

Inch

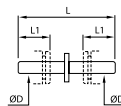
Technical polymer, NBR



ØD1	ØD2		G	L	L1	Kg
1/4	5/16	3166 56 08	11	41	23	0.002
	3/8	3166 56 60	11	41	21	0.002

3120 Stem Connector

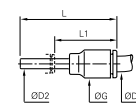
Technical polymer



ØD		L	L1	Kg
4	3120 04 00	34.5	12	0.001
6	3120 06 00	38.5	14	0.001
8	3120 08 00	41	18.5	0.001
10	3120 10 00	51.5	20.5	0.002
12	3120 12 00	60	24.5	0.004
14	3120 14 00	69.5	25.5	0.007

3168 Plug-In Increaser

Technical polymer, NBR



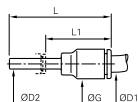
ØD1	ØD2		G	L	L1	Kg
6	4	3168 06 04	10.5	35	23	0.002
	6	3168 08 06	13.5	45	31.5	0.003
8	1/4	3168 08 56	16	40	25.5	0.009
	8	3168 10 08	16	42.5	21	0.004
12	10	3168 12 10	19	49	24.5	0.006

This model exists in nickel-plated brass; please use suffix 85. Example: 3120 06 00 85
Only compatible with Parker Legris fittings. Drawing available upon request.

3168 Plug-In Increaser

Inch

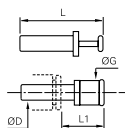
Technical polymer, NBR



ØD1	ØD2		G	L	L1	Kg
1/4	3/16	3168 56 55	20.5	41	25	0.002
	5/32	3168 56 04	11	41	29	0.002

3126 Blanking Plug

Technical polymer



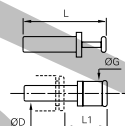
ØD		G	L	L1	Kg
3	3126 03 00	6	25	13.5	0.001
4	3126 04 00	4	30	15.5	0.001
6	3126 06 00	8	33	16.5	0.001
8	3126 08 00	10	35	17.5	0.001
10	3126 10 00	12	42	21	0.002
12	3126 12 00	14	45	22	0.003
14	3126 14 00	16	49	23.5	0.005
16	3126 16 00*	19	57	30	0.064

*Nickel-plated brass

3126 Blanking Plug

Inch

Technical polymer

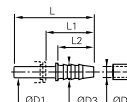


ØD		G	L	L1	Kg
1/4	3126 56 00	8	36.5	22	0.001
3/8	3126 60 00	12	42	22	0.002
1/2	3126 62 00	15	48.5	21.5	0.003

5/32"(4 mm) and 5/16"(8 mm) also available

3122 Plug-In Barb Connector

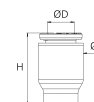
Technical polymer



ØD1	ØD2	ØD3		L	L1	L2	Kg
4	3.2	5	3122 04 53	37	25	17	0.004
	5	7	3122 04 05	37	25	17	0.001
6	5	7	3122 06 05	39	25	17	0.001
	6.3	8.5	3122 08 56	39.5	21	17	0.001
8	8	10	3122 08 08	44.5	26	22	0.001
	6.3	8	3122 10 56	45	24.5	17	0.002
10	8	10	3122 10 08	50	29.5	22	0.002
	8	10	3122 12 08	50	26	22	0.002
12	10	12	3122 12 10	48.5	25.5	22.5	0.002
	12.5	14.5	3122 12 62	57	34	22.5	0.004
14	12.5	14.5	3122 14 62	59.5	34.5	22.5	0.006

3151 End Cap

Technical polymer, NBR



ØD		G	H	Kg
4	3151 04 00	8.5	15	0.001
6	3151 06 00	10.5	17	0.001
8	3151 08 00	13.5	22	0.002
10	3151 10 00	16	22	0.003
12	3151 12 00	19	28	0.005
14	3151 14 00	22	31	0.009

LF 3000® Push-In Fittings / Banjo Fittings



..... A modular solution designed to orientate the tube according to the application.

Ø metric:
4 to 12 mm

Technical Characteristics

- **Compatible Fluids:** Compressed air
Other fluids: please consult us
- **Working Pressure:** Vacuum to 20 bar
- **Working Temperature:** -20°C to +80°C

Tightening Torque (daN.m)	Threads					
	M3 x0.5	M5 x0.8	G1/8	G1/4	G3/8	G1/2
	0.05	0.1	0.4	0.5	0.6	0.7

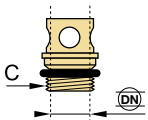
Reliable performance is dependent upon the type of fluid conveyed, component materials and tubing being used.
Use is guaranteed with a vacuum of 755 mm Hg (99% vacuum).

Advantages

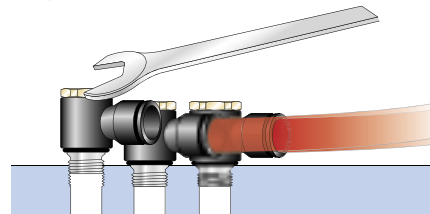
- Screwed from above, for minimum space between connections
- 360° orientable
- Stacking of banjo bodies to allow construction of 2 to 6 outlets

Installation Configurations

Thread and bore diameters for part numbers 3524 - 3527 - 3528 - 3529:



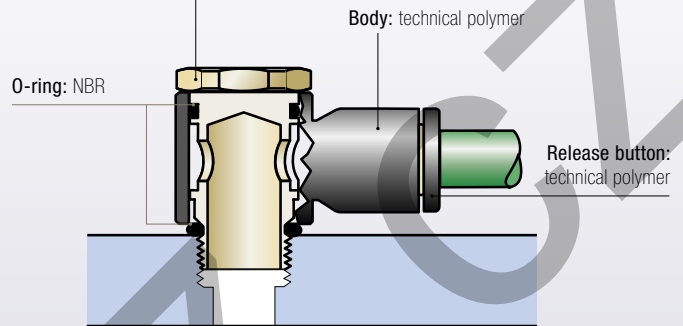
Thread (C)	M5x0.8	G1/8	G1/4	G3/8	G1/2
DN	2.5	5.5	8.5	11	13



Component Materials

Silicone-free

Bolt: nickel-plated brass, with or without pre-coating, depending on the configuration

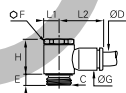


Regulations

- ISO 14743
- PED
- RoHS
- REACH

3118 Single Banjo, Male BSPP and Metric Thread

Technical polymer, Nickel-plated brass, NBR

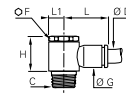


ØD	C		E	F	G	H	L1	L2	Kg
3	M3x0.5	3118 03 09*	3	-	8.5	13	5	16	0.005
	M5x0.8	3118 04 19*	4	-	8.5	13	5	16.5	0.004
4	G1/8	3118 04 10	4	13	8.5	17	7	18.5	0.012
	M5x0.8	3118 06 19*	4	-	10.5	13	7	18.5	0.004
6	G1/8	3118 06 10	4	13	10.5	17	7	20	0.013
	G1/4	3118 06 13	5.5	17	10.5	21	9.5	22	0.023
	G1/8	3118 08 10	4	13	13.5	16.5	7	25	0.014
8	G1/4	3118 08 13	5.5	17	13.5	21	9	27	0.024
	G3/8	3118 08 17	5.5	20	13.5	24.5	11	29	0.038
	G1/4	3118 10 13	5.5	17	16	21	9.5	29	0.025
10	G3/8	3118 10 17	5.5	20	16	24.5	11	31	0.039
	G1/2	3118 10 21	8	25	19	27.5	13.5	36.5	0.083
12	G3/8	3118 12 17	5.5	20	19	24.5	11	34.5	0.040
	G1/2	3118 12 21	8	25	19	27.5	13.5	36.5	0.075

*With screwdriver slot

3018 Single Banjo, Male BSPT Thread

Technical polymer, Nickel-plated brass, NBR



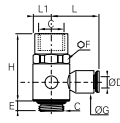
ØD	C		F	G	H	L	L1	Kg
6	R1/8	3018 06 10	13	10.5	18.5	20	7	0.015
	R1/4	3018 06 13	17	10.5	22.5	22	9.5	0.029
8	R1/8	3018 08 10	13	13.5	18.5	25	7	0.016
	R1/4	3018 08 13	17	13.5	22.5	27	9.5	0.030
10	R1/4	3018 10 13	17	16	22.5	29	9.5	0.031
	R3/8	3018 10 17	21	16	26.5	31	11	0.048
12	R1/4	3018 12 13	21	19	26.5	34.5	11	0.052
	R3/8	3018 12 17	21	19	26.5	34.5	11	0.050

Pre-coated thread

LF 3000® Push-In Fittings / Banjo Fittings

3124 Single Banjo, Male/Female BSPP and Metric Thread

Technical polymer, Nickel-plated brass, NBR

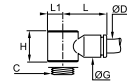


ØD	C		E	F	G	H	L	L1	Kg
4	G1/8	3124 04 10	4	13	8.5	25.5	18.5	7	0.015
6	G1/4	3124 06 13	5.5	17	10.5	33	22	9	0.029
8	G3/8	3124 08 17	5.5	20	13.5	37.5	29	11	0.043

This product family was developed to allow assembly of a function fitting on a cylinder.

3538 Single Banjo Bodies

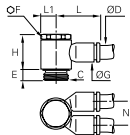
Technical polymer, NBR



ØD	C		G	H	L	L1	Kg
4	M5x0.8	3538 04 19	8.5	13	16	5	0.001
	G1/8	3538 04 10	10.5	14.5	18.5	7	0.002
6	M5x0.8	3538 06 19	11	18	18.5	5	0.002
	G1/8	3538 06 10	10.5	14.5	20	7	0.002
8	G1/4	3538 06 13	13.5	18	22	9.5	0.003
	G1/8	3538 08 10	13.5	14.5	25	7	0.003
10	G1/4	3538 08 13	13.5	18	27	9.5	0.004
	G3/8	3538 08 17	13.5	21.5	29	11.5	0.005
12	G1/4	3538 10 13	16	18	29	9.5	0.005
	G3/8	3538 10 17	16	21.5	31	11.5	0.006
	G3/8	3538 12 17	19	21.5	34.5	11.5	0.008

3149 Twin Banjo, Male BSPP and Metric Thread

Technical polymer, Nickel-plated brass, NBR

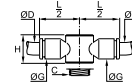


ØD	C		E	F	G	H	L	L1	N	Kg
4	M5x0.8	3149 04 19*	4		8.5	13	16	4.5	9	0.005
	G1/8	3149 04 10	4	13	10.5	16.5	18.5	7	11.5	0.018
6	G1/8	3149 06 10	4	13	10.5	16.5	18.5	7	11.5	0.014
	G1/4	3149 06 13	5.5	17	13.5	21	27	9.5	14.5	0.035
8	G1/4	3149 08 13	5.5	17	13.5	21	27	9.5	14.5	0.026
	G3/8	3149 08 17	5.5	20	16	24.5	31	11	17	0.053
10	G3/8	3149 10 17	5.5	20	16	24.5	31	11	17	0.042

*With screwdriver slot

3539 Double Banjo Bodies

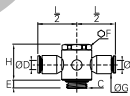
Technical polymer, NBR



ØD	C		G	H	L/2	Kg
6	G1/8	3539 06 10	10.5	14.3	20	0.011
	G1/4	3539 06 13	13.5	18	26	0.015
8	G1/4	3539 08 13	13.5	18	27	0.005
	G3/8	3539 08 17	16	21.5	30.5	0.020
10	G3/8	3539 10 17	16	21.5	31	0.008

3119 Double Banjo, BSPP and Metric Thread

Technical polymer, Nickel-plated brass, NBR

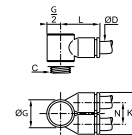


ØD	C		E	F	G	H	L/2	Kg
4	M5x0.8	3119 04 19*	4		8.5	13	8	0.005
	G1/8	3119 06 10	4	13	11	17	20	0.014
6	G1/4	3119 06 13	5.5	17	13.5	21	26.5	0.035
	G1/4	3119 08 13	5.5	17	13.5	21	27	0.026
8	G3/8	3119 08 17	5.5	20	16	24.5	30.5	0.053

*With screwdriver slot

3549 Twin Banjo Bodies

Technical polymer, NBR

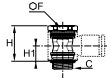


ØD	C		G	K	L	N	Kg
4	M5x0.8	3549 04 19	10	17.5	15.5	9	0.003
	G1/4	3549 04 13	18.5	28	25	14.5	0.020
6	G1/8	3549 06 10	14	22.5	20.5	12	0.003
	G1/4	3549 06 13	18.5	28	25	14.5	0.015
8	G3/8	3549 06 17	22.5	33	28.5	17	0.031
	G1/4	3549 08 13	18.5	28	26	14.5	0.006
10	G3/8	3549 08 17	22.5	33	29.5	17	0.020
	G3/8	3549 10 17	22.5	33	29.5	17	0.009

LF 3000® Push-In Fittings / Modular Banjo Fittings

3527 Single Banjo Bolts, Male BSPP and Metric Thread

Nickel-plated brass, NBR

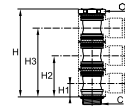


C		F	H	H1	Kg	
M5x0.8	3527 00 19*		17	7.5	0.003	
G1/8	3527 00 10		13	17	7.5	0.011
G1/4	3527 00 13		17	21	9.5	0.020
G3/8	3527 00 17		20	24.5	11	0.033

*With screwdriver slot
Full bore

3529 Stacking Banjo for 3 Body High Modules, Male BSPP Thread

Nickel-plated brass, NBR

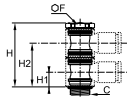


C		F	H	H1	H2	H3	Kg	
G1/8	3529 00 10		13	45.5	7.5	22	36	0.023
G1/4	3529 00 13		17	54	9.5	27.5	45.5	0.042
G3/8	3529 00 17		20	67.5	11	32.5	54	0.069

Full bore
Designed for use with 3 banjo bodies

3528 Stacking Banjo for 2 Body High Modules, Male BSPP and Metric Thread

Nickel-plated brass, NBR

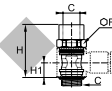


C		F	H	H1	H2	Kg	
M5x0.8	3528 00 19*		24.5	7.5	18.5	0.005	
G1/8	3528 00 10		13	31	7.5	22	0.017
G1/4	3528 00 13		17	39	9.5	27.5	0.031
G3/8	3528 00 17		20	46	11	32.5	0.053

*With screwdriver slot
Full bore
Designed for use with 2 banjo bodies

3524 Threaded Banjo Bolts, Male/Female BSPP and Metric Thread

Nickel-plated brass, NBR



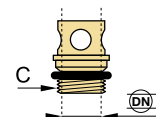
C		F	H	H1	Kg	
G1/8	3524 00 10		13	24.5	7.5	0.013
G1/4	3524 00 13		17	33	9.5	0.027
G3/8	3524 00 17		20	37.5	11	0.039
G1/2	3524 00 21		26	42	11.5	0.067

Full bore

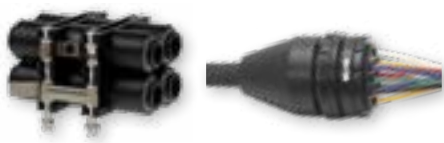
Banjo bolts 3527, 3528, 3529 and 3524 are only usable in association with the corresponding bodies for modular construction 3538, 3539 and 3549.

Thread and passage size for part numbers 3527, 3528, 3529 and 3524.

Thread	M5x0.8	G1/8	G1/4	G3/8	G1/2
	2.5	5.5	8.5	11	13



LF 3000® Push-In Fittings / Modular Plug-In Connectors



These connectors secure and facilitate the connection of several circuits by mechanical coding.

Ø metric:
4 to 8 mm

Technical Characteristics

- **Compatible Fluids:** Compressed air
Other fluids: please consult us
- **Working Pressure:** Vacuum to 10 bar
- **Working Temperature:** -20°C to +80°C

Reliable performance is dependent upon the type of fluid conveyed, component materials and tubing being used.

Use is guaranteed with a vacuum of 755 mm Hg (99% vacuum).

Advantages

- 3 types of solutions: in-line, panel-mounted or DIN rail connector
- Minimized connection space
- Prevents incorrect assembly
- Customised multi-connectors upon request

Component Materials

Silicone-free

- Multi-connectors:**
- panel-mounted: zinc-plated steel, technical polymer
 - in-line: aluminium, technical polymer
 - DIN rail: technical polymer

Connections: LF 3000®

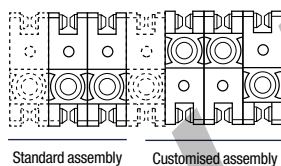


Regulations

- ISO 14743
- PED
- RoHS
- REACH

Installations Configurations

Panel-Mounted



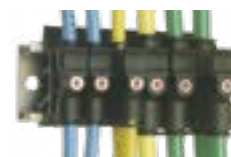
A box contains:

- 10 units
- 20 joining clips and 4 end pins
- 4 mounting brackets
- 4 coupling clips
- 1 dismantling tool

In-Line



DIN Rail Connector

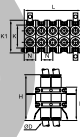


The module is constructed from a number of symmetrical components connected by joining clips. A coupling clip locks the module closed. A dismantling tool allows disconnection.

Maximum 5 modules recommended for the mating module; the fixed module is not limited.

3300 Modular Plug-In Connector

Technical polymer, NBR

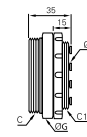


ØD		B	H	H1	K	K1	L	L1	L2	N	Kg
4	3300 04 00	21	40.5	29.5	32	20	55	22	6	11	0.079
6	3300 06 00	28	48	38.5	39	27.5	70	28	7.5	14	0.213
8	3300 08 00	28	50	39	39	27.5	70	28	7.5	14	0.125

Clearance hole for Ø3 mm screw

3320 Multi-Connector Male Screw Body

Technical polymer, NBR

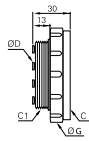


ØD	C	C1		Number of Outlets	G	Kg
	M46x1.5	M40x1.5	3320 04 00 04	4	50	0.069
4	M46x1.5	M40x1.5	3320 04 00 07	7	50	0.071
	M65x1.5	M58x1.5	3320 04 00 12	12	70	0.137
	M46x1.5	M40x1.5	3320 06 00 04	4	50	0.070
6	M46x1.5	M40x1.5	3320 06 00 07	7	50	0.073

The number of male body outlets must correspond to the same number of outlets on the female body.

3321 Multi-Connector Female Screw Body

Technical polymer, NBR

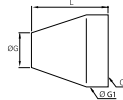


ØD	C	C1		Number of Outlets	G	Kg
4	M46x1.5	M40x1.5		3321 04 00 04	4	55 0.065
	M46x1.5	M40x1.5		3321 04 00 07	7	55 0.063
	M65x1.5	M58x1.5		3321 04 00 12	12	75 0.125
6	M46x1.5	M40x1.5		3321 06 00 04	4	55 0.065
	M46x1.5	M40x1.5		3321 06 00 07	7	55 0.064

The number of female body outlets must correspond to the same number of outlets on the male body.

3329 Multi-Connector Screw Cap

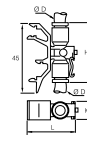
Technical polymer



C		Number of Outlets	G	G1	L	Kg
M40x1.5		3329 00 02	4-7	35	50	55 0.062
M58x1.5		3329 00 03	12	34	70	70 0.139

3379 DIN Rail Connector for 2 Tubes

Technical polymer, NBR

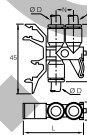


ØD		H	K	L	Kg
4		3379 04 00	34.5	11	39.5 0.010
6		3379 06 00	34.5	11	39.5 0.006
8		3379 08 00	46	13	44.5 0.008

Start pressure test point on the system

3381 DIN Rail Connector for 3 Tubes

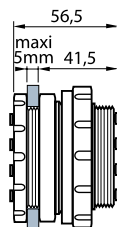
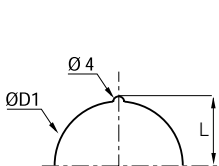
Technical polymer, NBR



ØD		H	K	L	N	Kg
4		3381 04 00	36.5	11	39.5	11.5 0.013
6		3381 06 00	36.5	11	39.5	11.5 0.007
8		3381 08 00	46	13	44.5	14.5 0.033

Start pressure test point on the system

Overall Dimensions for Bulkhead Mounting



Number of Outlets	L	ØD1
2	17	32.5
4-7	21	40.5
12	30.3	58.5

LF 3000® Push-In Fittings / Self-Sealing and Oscillating Fittings



2 functions available for quick machine intervention and to facilitate the operation of the installations.

Ø metric:
4 to 12 mm

Technical Characteristics

- **Compatible Fluids:** Compressed air
Other fluids: please consult us
- **Working Pressure:** Vacuum to 20 bar
(10 bar: self-sealing fitting)
- **Working Temperature:** -20°C to +80°C

Reliable performance is dependent upon the type of fluid conveyed, component materials and tubing being used.

Use is guaranteed with a vacuum of 755 mm Hg (99% vacuum).

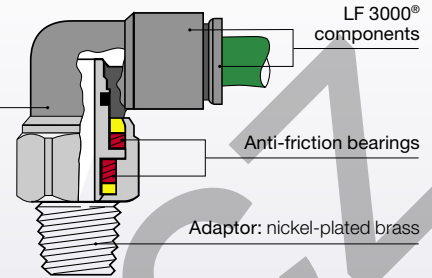
Advantages

- **Self-Sealing Fittings**
 - Prevents fluid flow when there is no tube connected
 - When connected, the compressed air flow is restored
- **Oscillating Fittings**
 - Fitting swivels when cylinder is in movement : no bending of the tube
 - High durability of the fitting/tube assembly

Component Materials

Swivel Fitting

- Body:
- Self-sealing fitting: nickel-plated brass
 - Oscillating fitting: technical polymer



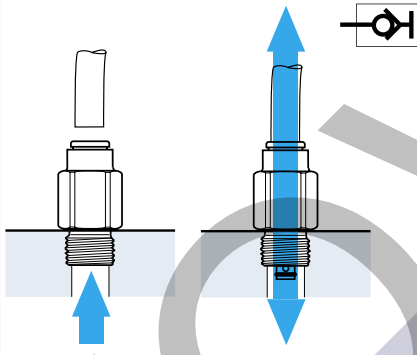
Silicone-free

Regulations

- ISO 14743
- PED
- RoHS
- REACH

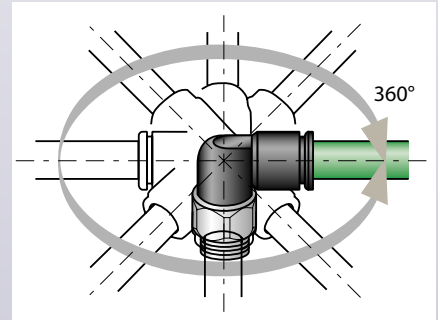
Installation Configurations

Self-Sealing Fitting



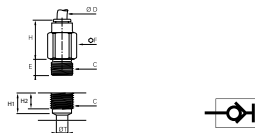
Oscillating Fitting

Tube O.D. (mm)	Torque (daN.m)	Max. Rotation Speed (turn/min.)
4	<math> < 2.5 \cdot 10^{-3}</math>	190
6	<math> < 4 \cdot 10^{-3}</math>	160
8	<math> < 7 \cdot 10^{-3}</math>	120
10	<math> < 11 \cdot 10^{-3}</math>	90
12	<math> < 16 \cdot 10^{-3}</math>	80



3391 Self-Sealing Stud Fitting, Male BSPP Thread

Nickel-plated brass, NBR

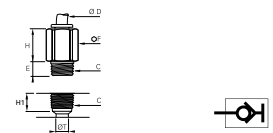


ØD	C	E	F	H	H1	H2	ØT	Kg	
4	G1/8	3391 04 10	5	13	18	7.5	6	5	0.017
6	G1/8	3391 06 10	5	14	19.5	9	6	7.5	0.018
8	G1/8	3391 08 10	5	14	29.5	10	6	7.5	0.025
	G1/4	3391 08 13	5.5	16	25.5	11	8	9	0.032
10	G3/8	3391 10 17	5.5	20	27.5	13	11	10	0.055

Maximum working pressure: 10 bar

3091 Self-Sealing Stud Fitting, Male BSPT Thread

Nickel-plated brass, NBR

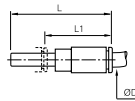


ØD	C	E	F	H	H1	ØT	Kg	
4	R1/8	3091 04 10	7.5	12	18	9.5	5	0.014
6	R1/8	3091 06 10	7.5	13	19.5	9.5	7.5	0.015
8	R1/8	3091 08 10	6.5	14	25	10.5	7.5	0.024
	R1/4	3091 08 13	11	14	25.5	13.5	9	0.021

Maximum working pressure: 10 bar

3160 Self-Sealing Plug-In Fitting

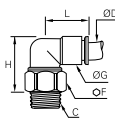
Technical polymer, NBR



ØD		L	L1	Kg
4	3160 04 00	46	33.5	0.006
6	3160 06 00	53.5	31	0.009
8	3160 08 00	58	31	0.014

3159 Oscillating Elbow, Male BSPT Thread

Technical polymer, Nickel-plated brass, NBR

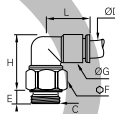


ØD	C		F	G	H	L	Kg
4	R1/8	3159 04 10	12	11	22	17.5	0.013
6	R1/8	3159 06 10	14	14	26.5	20.5	0.020
	R1/4	3159 06 13	14	14	23.5	20.5	0.022
8	R1/8	3159 08 10	17	16	32	23.5	0.034
	R1/4	3159 08 13	17	16	29	23.5	0.034
10	R3/8	3159 08 17	17	16	25	23.5	0.031
	R1/4	3159 10 13	19	19.5	37.5	29	0.051
12	R3/8	3159 10 17	19	19.5	33.5	29	0.046
	R1/4	3159 12 13	21	22	44.5	33.5	0.074
	R3/8	3159 12 17	21	22	41	33.5	0.068

Pre-coated thread

3189 Oscillating Elbow, Male BSPP and Metric Thread

Technical polymer, Nickel-plated brass, NBR



ØD	C		E	F	G	H	L	Kg
4	M5x0.8	3189 04 19	3	12	11	24.5	17.5	0.012
	G1/8	3189 04 10	5	13	11	23	17.5	0.014
6	M5x0.8	3189 06 19	3	12	14	27.5	20.5	0.017
	G1/8	3189 06 10	5	14	14	27	20.5	0.019
8	G1/4	3189 06 13	5.5	16	14	25.5	20.5	0.023
	G1/8	3189 08 10	5	17	16	33.5	23.5	0.034
10	G1/4	3189 08 13	5.5	17	16	31	23.5	0.032
	G3/8	3189 08 17	5.5	20	16	29.5	23.5	0.039
12	G1/4	3189 10 13	5.5	19	19.5	39	29	0.053
	G3/8	3189 10 17	5.5	20	19.5	37	29	0.051
12	G1/4	3189 12 13	5.5	21	22	46.5	33.5	0.073
	G3/8	3189 12 17	5.5	21	22	45.5	33.5	0.071

LF 3000® Push-In Fittings / Maintenance Kit



The essential tool to rapidly carry out the main maintenance operations and reduce production interruptions.

Advantages

- 2 kits available: for BSPP products and BSPT products
- A selection of 24 references covering the most-used products
- Products available in the most common diameters: 4 mm, 6 mm and 8 mm
- A kit contains more than 300 products and can be easily completed with our standard products

Part Numbers Common to Both Kits

ØD	Part Numbers	Qty	ØD	Part Numbers	Qty
4	3104 04 00	10	4	3106 04 00	10
6	3104 06 00	10	6	3106 06 00	10
8	3104 08 00	10	8	3106 08 00	10
ØD1	ØD2	Part Numbers	Qty		
4	6	3166 04 06	10		
6	8	3166 06 08	10		
ØD	Part Numbers	Qty			
4	3126 04 00	20			
6	3126 06 00	20			
8	3126 08 00	20			
	3000 71 00	1			
	0605 12 12	1			

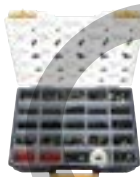
ADDITIONAL PART NUMBERS IN BSPP KIT

ØD	C	Part Numbers	Qty
4	G1/8	3101 04 10	20
6	M5x0.8	3101 06 19	20
6	G1/8	3101 06 10	20
6	G1/4	3101 06 13	20
8	G1/4	3101 08 13	20
4	M5x0.8	3199 04 19	10
4	G1/8	3199 04 10	10
6	M5x0.8	3199 06 19	10
6	G1/8	3199 06 10	10
6	G1/4	3199 06 13	10
8	G1/4	3199 08 13	10

ADDITIONAL PART NUMBERS IN BSPT KIT

ØD	C	Part Numbers	Qty
4	R1/8	3175 04 10	20
4	R1/4	3175 04 13	20
6	R1/8	3175 06 10	20
6	R1/4	3175 06 13	20
8	R1/4	3175 08 13	20
4	R1/8	3109 04 10	10
6	R1/8	3109 06 10	10
6	R1/4	3109 06 13	10
8	R1/8	3109 08 10	10
8	R1/4	3109 08 13	10

3150..57 Maintenance kit, BSPP Thread



	H	L	L1	Kg
3150 00 01 57UN	81	413	330	3,221

3150..58 Maintenance kit, BSPT Thread



	H	L	L1	Kg
3150 00 01 58UN	81	413	330	3,750

LF 3200 Push-In Fittings (3 mm)



A miniaturized and ergonomic range that maintains high mechanical characteristics.

Ø metric:
3 mm

Technical Characteristics

- **Compatible Fluids:** Compressed air
- **Working Pressure:** Vacuum to 20 bar
- **Working Temperature:** -15°C to +80°C
- **Tightening Torque (daN.m):** 0.01 to 0.1

Reliable performance is dependent upon the type of fluid conveyed, component materials and tubing being used.

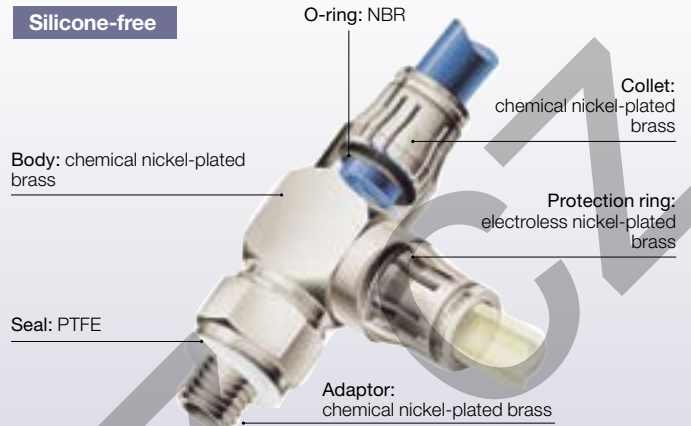
Use is guaranteed with a vacuum of 755 mm Hg (99% vacuum).

Advantages

- Optimization of equipment: weight, small dimensions
- Nickel-plated brass components for better impact and corrosion resistance
- Working pressures: from vacuum to 20 bar

Component Materials

Silicone-free



Regulations

- ISO 14743
- PED
- RoHS
- ATEX (please consult us)
- REACH

3281 Stud Fitting, Male Metric Thread

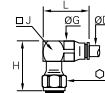
Nickel-plated brass, NBR



ØD	C		F	G	H	Kg
3	M3x0.5	3281 03 09	1.5	6	9.5	0.001
	M5x0.8	3281 03 19	1.5	8	9.5	0.002

3229 Extended Stud Elbow, Male Metric Thread

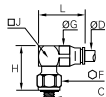
Nickel-plated brass, NBR



ØD	C		F	G	H	J	L	Kg
3	M3x0.5	3229 03 09	6	6	16	6	13.5	0.004
	M5x0.8	3229 03 19	8	6	17	6	13.5	0.005

3299 Compact Stud Elbow, Male Metric Thread

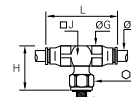
Nickel-plated brass, NBR



ØD	C		F	G	H	J	L	Kg
3	M3x0.5	3299 03 09	6	6	13.5	6	13.5	0.004
	M5x0.8	3299 03 19	8	6	13	6	13.5	0.005

3298 Stud Branch Tee, Male Metric Thread

Nickel-plated brass, NBR

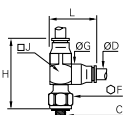


ØD	C		F	G	H	J	L	Kg
3	M3x0.5	3298 03 09	6	6	13.5	6	20.5	0.004
	M5x0.8	3298 03 19	8	6	13	6	20.5	0.005

LF 3200 Push-In Fittings (3 mm)

3293 Stud Run Tee, Male Metric Thread

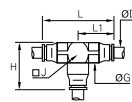
Nickel-plated brass, NBR



ØD	C		F	G	H	J	L	Kg
3	M3x0.5	3293 03 09	6	6	20	6	13.5	0.004
	M5x0.8	3293 03 19	8	6	20	6	13.5	0.005

3204 Equal Tee

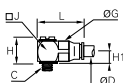
Nickel-plated brass, NBR



ØD			G	H	J	L	L1	Kg
3	3204 03 00		6	13.5	6	20.5	10.5	0.004

3218 Single Banjo, Male Metric Thread

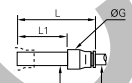
Nickel-plated brass, NBR



ØD	C		G	H	H1	J	L	Kg
3	M3x0.5	3218 03 09	6	9.5	4	6	12.5	0.002
	M5x0.8	3218 03 19	6	10.5	4.5	8	15	0.005

3266 Plug-In Reducer

Nickel-plated brass, NBR, technical polymer



ØD	ØD1		G	L	L1	Kg
3	4	3266 03 04	6	28	19	0.001

3206 Equal Tube/Tube Connector

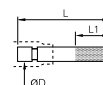
Nickel-plated brass, NBR



ØD			G	L	Kg
3	3206 03 00		6	17	0.002

3226 Blanking Plug

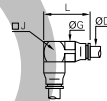
Nickel-plated brass



ØD			L	L1	Kg
3	3226 03 00		20	10	0.004

3202 Equal Elbow

Nickel-plated brass, NBR



ØD			G	J	L	Kg
3	3202 03 00		6	6	13.5	0.003

Installation Configurations



The LF 3200 fitting, connected with a 3 mm polyurethane or antistatic polyurethane tube, is the perfect solution for compact installations:

- which are highly stressed
- whose reliability is critical



LIQUIfit® Push-in Fittings / Stud Fittings



Innovative and compact connectors for the transfer of fluids and liquids.

Ø metric: 4 to 16 mm
Ø inch: 1/4" to 1/2"

Technical Characteristics

- **Compatible Fluids:** Water, beverages, CO₂ (inert use)
Chemical fluids: please consult us
- **Working Pressure:** Vacuum to 16 bar
- **Working Temperature:**
-10°C to +95°C

Tightening Torques (BSPT/NPTF)	Thread	1/8" and 1/4"	3/8" and 1/2"
	daN.m		0.15

Reliable performance is dependent upon the type of fluid conveyed, component materials and tubing being used.

Use is guaranteed with a vacuum of 755 mm Hg (99% vacuum).

Advantages

- Bio-sourced polymer meeting food process regulations
- Compliant with FDA, NSF, DM174, WRAS, KTW, ACS standards
- Easy-to-clean external surfaces
- Free of bisphenol and phthalates

Component Materials

Silicone-free

Grey release button: technical polymer

Body and adaptor: bio-based polymer

Seal: EPDM

Gripping ring or collet (6501 and 6599): stainless steel



ECO DESIGN

Regulations

- RoHS
- REACH
- FDA: 21 CFR
- NSF: 51
- NSF 61 - C HOT
- 1935/2004
- DM 174
- ACS
- WRAS
- KTW
- W270

Pressure and Temperature of the Different Diameters and Related Products of the LIQUIfit® Range

-10°C		Pressure (bar)	
mm Ø	inch Ø	Fittings	PE Tubing
4	5/32	16	16
6	1/4	16	16
8	5/16	16	16
10	3/8	13	15
12	1/2	11	11

+1°C		Pressure (bar)	
mm Ø	inch Ø	Fittings	PE Tubing
4	5/32	16	16
6	1/4	16	16
8	5/16	16	16
10	3/8	13	15
12	1/2	11	11

+20°C		Pressure (bar)	
mm Ø	inch Ø	Fittings	PE Tubing
4	5/32	16	16
6	1/4	16	16
8	5/16	16	16
10	3/8	13	15
12	1/2	11	11

+40°C		Pressure (bar)	
mm Ø	inch Ø	Fittings	PE Tubing
4	5/32	16	16
6	1/4	16	16
8	5/16	16	16
10	3/8	13	15
12	1/2	11	11

+65°C		Pressure (bar)	
mm Ø	inch Ø	Fittings	PE Tubing
4	5/32	12	10
6	1/4	12	10
8	5/16	12	10
10	3/8	7	7
12	1/2	7	7

+95°C		Pressure (bar)	
mm Ø	inch Ø	Fittings	PE Tubing
4	5/32	12	4
6	1/4	12	4
8	5/16	12	4
10	3/8	4	4
12	1/2	4	4

6501 Stud Fitting, Male BSPP Thread

POM, EPDM

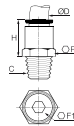


ØD	C		E	F	G	H	Kg
6	G1/8	6501 06 10WP2	6	15	18	18	0.003
	G1/4	6501 06 13WP2	8.5	18	18	15.5	0.004
8	G1/8	6501 08 10WP2	6	17	18	18.5	0.005
	G1/4	6501 08 13WP2	8.5	18	18	20	0.006
	G3/8	6501 08 17WP2	6	21	20	17.5	0.007
10	G1/4	6501 10 13WP2	8.5	19	20	22	0.007
	G3/8	6501 10 17WP2	9	21	20	17	0.007
12	G1/2	6501 10 21WP2	12.5	26	21.5	17	0.011
	G3/8	6501 12 17WP2	9	24	21.5	25	0.011
	G1/2	6501 12 21WP2	12.5	26	21.5	20	0.012

Collet technology
NSF certified fitting only

6505 Stud Fitting, Male BSPT Thread

Bio-based polymer, EPDM

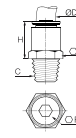


ØD	C		F	F1	H	Kg
4	R1/8	6505 04 10WP2	11	3	18	0.003
	R1/4	6505 04 13WP2	14	3	18	0.004
6	R1/8	6505 06 10WP2	11	4	18	0.002
	R1/4	6505 06 13WP2	14	4	18	0.004
8	R1/8	6505 08 10WP2	17	6	20	0.004
	R1/4	6505 08 13WP2	14	6	20	0.004
10	R3/8	6505 08 17WP2	17	6	20	0.005
	R1/4	6505 10 13WP2	17	7	21.5	0.005
	R3/8	6505 10 17WP2	19	7	21.5	0.007
12	R1/2	6505 10 21WP2	22	7	21.5	0.010
	R3/8	6505 12 17WP2	19	9	24.5	0.008
	R1/2	6505 12 21WP2	22	9	24.5	0.012

6505 Stud Fitting, Male NPTF Thread

Inch

Bio-based polymer, EPDM



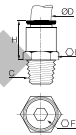
ØD	C		F	F1	H	Kg
1/4	NPT1/8	6505 56 11WP2	1/2	5/32	17	0.002
	NPT1/4	6505 56 14WP2	9/16	5/32	17	0.003
3/8	NPT1/4	6505 60 14WP2	3/4	1/4	22	0.006
	NPT3/8	6505 60 18WP2	3/4	1/4	22	0.007
1/2	NPT3/8	6505 62 18WP2	15/16	3/8	28	0.012
	NPT1/2	6505 62 22WP2	15/16	3/8	28	0.013

Thread without pre-coating

6505 Stud Fitting, Male BSPT Thread

Inch

Bio-based polymer, EPDM

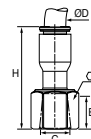


ØD	C		F	F1	H	Kg
1/4	R1/8	6505 56 10WP2	11	5	17	0.002
	R1/4	6505 56 13WP2	14	5	17	0.003
3/8	R3/8	6505 60 17WP2	19	7	22	0.006
	R1/2	6505 60 21WP2	22	7	28	0.012
1/2	R1/2	6505 62 21WP2	24	9	28	0.017

5/32" (4mm) and 5/16" (8mm) are available
Thread without pre-coating

6315 Stud Connector, Female BSPT Thread

Bio-based polymer, EPDM



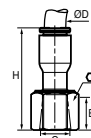
ØD	C		E	F	H	Kg
6	R1/8	6315 06 10WP2	11	13	32	0.003
	R1/4	6315 06 13WP2	14	16	33	0.004
8	R1/4	6315 08 13WP2	14	16	33.5	0.004
	R3/8	6315 08 17WP2	14	20	36	0.009

WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters).

6315 Stud Fitting, Female NPTF Thread

Inch

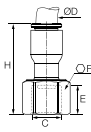
Bio-based polymer, EPDM



ØD	C		F	H	Kg
1/4	NPT1/4	6315 56 14WP2	11/16	30	0.003
3/8	NPT3/8	6315 60 18WP2	13/16	36	0.007

6352 Stud Fitting Flat Type, Female BSPP Thread Inch

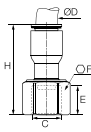
Bio-based polymer, EPDM



ØD	C		E	F	H	Kg
3/8	G3/8	6352 60 17WP2	12	22	36	0.008
	G1/2	6352 60 21WP2	12	27	36	0.011

6325 Faucet Connector, Female UNS Thread Inch

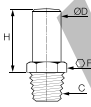
Bio-based polymer, EPDM



ØD	C		E	F	H	Kg
1/4	UNS7/16-24	6325 56 133WP2	7	9/16	31	0.002

6521 Stud Standpipe, Male BSPT Thread

Bio-based polymer

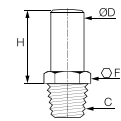


ØD	C		F	H	Kg
6	R1/8	6521 06 10WP2	13	19	0.002
	R1/4	6521 06 13WP2	14	19	0.003
	R3/8	6521 06 17WP2	17	19	0.004
8	R1/8	6521 08 10WP2	19	23	0.003
	R1/4	6521 08 13WP2	19	23	0.004
	R3/8	6521 08 17WP2	19	23	0.004
10	R1/4	6521 10 13WP2	19	25	0.004
	R3/8	6521 10 17WP2	19	25	0.005
	R1/2	6521 10 21WP2	22	25	0.008
12	R3/8	6521 12 17WP2	22	28	0.005
	R1/2	6521 12 21WP2	22	28	0.007

Thread without pre-coating.

6521 Stud Standpipe, Male NPTF Thread Inch

Bio-based polymer

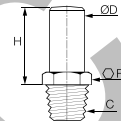


ØD	C		F	H	Kg
3/8	NPT1/4	6521 60 14WP2	3/4	25	0.004
	NPT3/8	6521 60 18WP2	3/4	25	0.004

Thread without pre-coating.

6521 Stud Standpipe, Male BSPT Thread Inch

Bio-based polymer

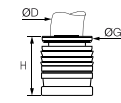


ØD	C		F	H	Kg
1/4	R1/8	6521 56 10WP2	14	19	0.002
	R1/4	6521 56 13WP2	14	19	0.002
	R3/8	6521 56 17WP2	17	19	0.004
3/8	R3/8	6521 60 17WP2	19	25	0.004

Thread without pre-coating.
5/16" (8mm) also available.

6300 LIQUIfit® Cartridge

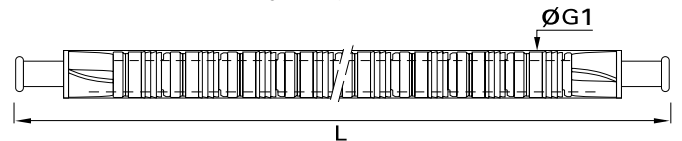
Brass, EPDM



ØD		G	G1	H	L	Kg
4	6300 04 00	8	11	10	554	0.002
6	6300 06 00	10	14.5	11.5	629	0.002
8	6300 08 00	13	15	15	794	0.003
10	6300 10 00	15.5	19.5	17	930	0.005
12	6300 12 00	18.5	21	19.5	1038	0.010

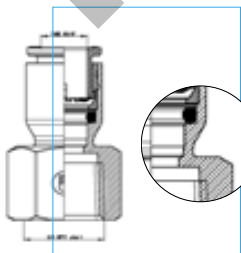
50 cartridges per Carstick®

Please consult us for detailed drawings of cavity dimensions and tolerances

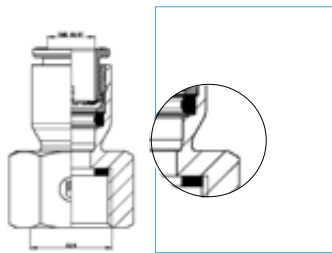


Sealing Profile for Female Thread Stud Fitting

Stud Fitting,
Female NPTF Thread
6315



Stud Fitting Flat Type,
Female BSPP Thread,
6352



6300 Carstick+ Cartridge EPDM Icon



ØD		G	G1	H	L	kg
4	6300 04 01 24	8.1	10.3	10.4	520	0.001
6	6300 06 01 24	9.9	15.3	11.8	590	0.002

6300 Carstick+ Cartridge FKM Icon

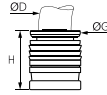


ØD		G	G1	H	L	kg
4	6300 04 01 26	8.1	10.3	10.4	520	0.001
6	6300 06 01 26	9.9	15.3	11.8	590	0.002

6300 LIQUIfit® Cartridge

Inch

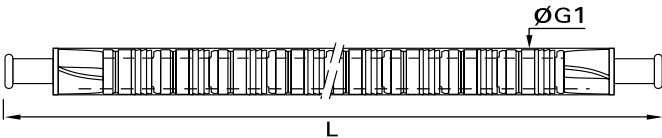
Brass, EPDM



ØD	C	G	G1	H	L	Kg
1/4	6300 56 00	10.5	14.5	12.5	600	0.002
3/8	6300 60 00	15.5	19	17	930	0.005
1/2	6300 62 00	22	25	23	1038	0.011

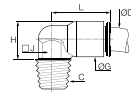
50 cartridges per Carstick®
5/32" (4 mm) and 5/16" (8 mm) also available.

Please consult us for detailed drawings of cavity dimensions and tolerances



6579 Fixed Elbow, Male BSPT Thread

Bio-based polymer, EPDM



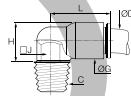
ØD	C	G	H	J	L	Kg
R1/8	6579 06 10WP2	11	14	10	19	0.002
6	R1/4 6579 06 13WP2	11	14	10	19	0.003
	R3/8 6579 06 17WP2	11	14	10	19	0.004

Thread without pre-coating.

6579 Fixed Elbow, Male NPTF Thread

Inch

Bio-based polymer, EPDM



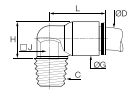
ØD	C	G	H	J	L	Kg
1/4	NPT1/8 6579 56 11WP2	11	22	38	18	0.009
	NPT1/4 6579 56 14WP2	11	26	38	18	0.003
3/8	NPT1/4 6579 60 14WP2	16	32	12	26	0.006

Thread without pre-coating.

6579 Fixed Elbow, Male BSPT Thread

Inch

Bio-based polymer, EPDM



ØD	C	G	H	J	L	Kg
1/4	R1/4 6579 56 13WP2	11	26	10	18	0.003
3/8	R3/8 6579 60 17WP2	16	32	13	26	0.006

Thread without pre-coating.

6599 Stud Elbow, Male BSPP Thread

POM, EPDM



ØD	C	E	F	G	H	Kg
6	G1/8 6599 06 10WP2	6	17	15	24.5	0.007
	G1/4 6599 06 13WP2	8.5	18	15	33	0.008
	G1/8 6599 08 10WP2	6	18	17.5	26	0.010
8	G1/4 6599 08 13WP2	8.5	18	17.5	26	0.011
	G3/8 6599 08 17WP2	9	22	17.5	26	0.012
	G1/4 6599 10 13WP2	8.5	22	20	29.5	0.015
10	G3/8 6599 10 17WP2	9	22	20	29.5	0.015
	G1/2 6599 10 21WP2	12.5	26	20	29.5	0.019
	G3/8 6599 12 17WP2	9	26	23	34.5	0.023
12	G1/2 6599 12 21WP2	12.5	26	23	34.5	0.025

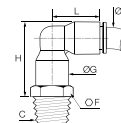
Collet technology

Thread without pre-coating; the body swivels for positioning purposes.

NSF certified fitting only

6509 Stud Elbow, Male BSPT Thread

Bio-based polymer, EPDM



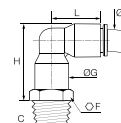
ØD	C	F	G	H	L	Kg
6	R1/8 6509 06 10WP2	13	10.5	28	24	0.037
	R1/4 6509 06 13WP2	14	10.5	28	24	0.007
	R3/8 6509 06 17WP2	17	10.5	28	24	0.008
8	R1/8 6509 08 10WP2	19	13.5	34	29.5	0.010
	R1/4 6509 08 13WP2	19	13.5	34	29.5	0.011
	R3/8 6509 08 17WP2	19	13.5	34	29.5	0.011
10	R1/4 6509 10 13WP2	19	16	38	34.5	0.019
	R3/8 6509 10 17WP2	19	16	38	34.5	0.020
	R1/2 6509 10 21WP2	22	16	38	34.5	0.023
12	R3/8 6509 12 17WP2	22	19	44	40	0.022
	R1/2 6509 12 21WP2	22	19	44	40	0.024

Thread without pre-coating; the body swivels for positioning purposes.

6509 Stud Elbow, Male NPTF Thread

Inch

Bio-based polymer, EPDM



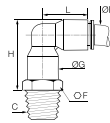
ØD	C	F	G	H	L	Kg
1/4	NPT1/8 6509 56 11WP2	1/2	11	28	23.5	0.003
	NPT1/4 6509 56 14WP2	9/16	11	28	23.5	0.004
	NPT3/8 6509 56 18WP2	3/4	11	28.5	23.5	0.006

Thread without pre-coating; the body swivels for positioning purposes.

6509 Stud Elbow, Male BSPT Thread

Inch

Bio-based polymer, EPDM



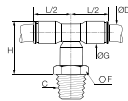
ØD	C		F	G	H	L	Kg
1/2	R1/2	6509 62 21WP2	24	22	50.5	46.5	0.027

5/16" (8 mm) also available.

Thread without pre-coating, the body swivels for positioning purposes.

6508 Branch Tee, Male BSPT Thread

Bio-based polymer, EPDM

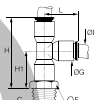


ØD	C		F	G	H	L/2	Kg
6	R1/8	6508 06 10WP2	13	10.5	28	18	0.008
	R1/4	6508 06 13WP2	14	10.5	28	18	0.009
	R3/8	6508 06 17WP2	17	10.5	28	18	0.010
8	R1/8	6508 08 10WP2	19	13.5	34	23	0.012
	R1/4	6508 08 13WP2	19	13.5	34	23	0.013
	R3/8	6508 08 17WP2	19	13.5	34	23	0.013
10	R1/4	6508 10 13WP2	19	16	38	26.5	0.018
	R3/8	6508 10 17WP2	19	16	38	26.5	0.019
	R1/2	6508 10 21WP2	22	16	38	26.5	0.022
12	R1/2	6508 12 21WP2	22	19	44	31	0.026

Thread without pre-coating, the body swivels for positioning purposes.

6503 Run Tee, Male BSPT Thread

Bio-based polymer, EPDM

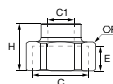


ØD	C		F	G	H	H1	L	Kg
6	R1/4	6503 06 13WP2	14	10.5	40	22	18.5	0.009
	R1/8	6503 08 10WP2	19	13.5	50	27	23	0.012
8	R1/4	6503 08 13WP2	19	13.5	50	27	23	0.013
	R3/8	6503 08 17WP2	19	13.5	50	27	23	0.013
12	R3/8	6503 12 17WP2	22	19	65.5	34.5	31	0.024
	R1/2	6503 12 21WP2	22	19	65.5	34.5	31	0.026

Thread without pre-coating, the body swivels for positioning purposes.

6355 Unequal Connector, Female BSPP Thread

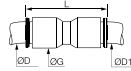
Bio-based polymer, EPDM



C	C1		E	F	H	Kg
G3/4	G1/4	6355 13 27WP2	10	32	23.5	0.050

6306 Equal and Unequal Tube-to-Tube Connector

Bio-based polymer, EPDM

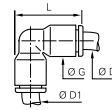


ØD	ØD1		G	L	Kg
4	4	6306 04 00WP2	8.5	26.5	0.002
	6	6306 04 06WP2	10.5	29	0.002
	8	6306 04 08WP2	13.5	37	0.005
6	6	6306 06 00WP2	10.5	30	0.004
	8	6306 06 08WP2	13.5	37	0.005
	10	6306 06 10WP2	16	42	0.007
8	8	6306 08 00WP2	13.5	37	0.004
	10	6306 08 10WP2	16	42	0.007
	12	6306 08 12WP2	19	50	0.012
10	10	6306 10 00WP2	16	42	0.009
	12	6306 10 12WP2	19	50	0.013
12	12	6306 12 00WP2	19	50.5	0.009
16	16	6306 16 00	27	60.5	0.023

6302 Equal and Unequal Union Elbow

Inch

Bio-based polymer, EPDM

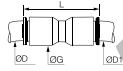


ØD	ØD1		G	L	Kg
5/16	3/8	6302 08 60WP2	16	34	0.009
	1/4	6302 56 00WP2	11	24	0.005
1/4	5/16	6302 56 08WP2	13.5	29.5	0.006
	3/8	6302 56 60WP2	16	34	0.008
3/8	3/8	6302 60 00WP2	16	34	0.006
	1/2	6302 60 62WP2	22	46.5	0.011
1/2	1/2	6302 62 00WP2	22	46.5	0.017

6306 Equal and Unequal Union Connector

Inch

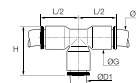
Bio-based polymer, EPDM



ØD	ØD1		G	L	Kg
5/16	3/8	6306 08 60WP2	16	42	0.008
	1/2	6306 08 62WP2	22	55	0.018
1/4	1/4	6306 56 00WP2	11	30	0.004
	3/8	6306 56 60WP2	16	41	0.007
3/8	3/8	6306 60 00WP2	16	42	0.006
	1/2	6306 60 62WP2	22	56	0.020
1/2	1/2	6306 62 00WP2	22	57	0.016

6304 Union Tee

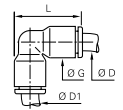
Bio-based polymer, EPDM



ØD	ØD1		G	H	L/2	Kg
4	4	6304 04 00WP2	8.5	20	15.5	0.004
6	6	6304 06 00WP2	10.5	23	18	0.006
8	8	6304 08 00WP2	13.5	29	22.5	0.006
10	10	6304 10 00WP2	16	34.5	26.5	0.009
12	12	6304 12 00WP2	19	40	31	0.014
16	16	6304 16 00	27	53	39	0.037
	12	6304 16 12	27	53	39	0.063

6302 Equal and Unequal Elbow

Bio-based polymer, EPDM

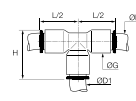


ØD	ØD1		G	L	Kg
4	4	6302 04 00WP2	8.5	19	0.002
	6	6302 04 06WP2	10.5	24	0.004
6	6	6302 06 00WP2	10.5	24	0.004
	8	6302 06 08WP2	13.5	29.5	0.006
8	8	6302 08 00WP2	13.5	29	0.004
	10	6302 08 10WP2	16	34.5	0.008
10	10	6302 10 00WP2	16	34.5	0.005
	12	6302 10 12WP2	19	40.5	0.013
12	12	6302 12 00WP2	19	40.5	0.010
16	16	6302 16 00	27	53	0.024

6304 Equal and Unequal Union Tee

Inch

Bio-based polymer, EPDM

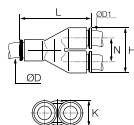


ØD	ØD1		G	H	L/2	Kg
1/4	1/4	6304 56 00WP2	11	24	18	0.002
3/8	3/8	6304 60 00WP2	16	34	26	0.009
	1/4	6304 60 56WP2	16	34	26	0.011
1/2	1/2	6304 62 00WP2	22	47	36	0.027
	3/8	6304 62 60WP2	22	47	36	0.009

5/32" (4mm) and 5/16" (8mm) also available

6340 Equal Single Y Piece

Bio-based polymer, EPDM

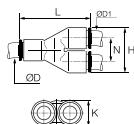


ØD	ØD1		H	K	L	N	Kg
4	4	6340 04 00WP2	17.5	8.5	30	9	0.004
6	6	6340 06 00WP2	21.5	10.5	36.5	11	0.008
8	8	6340 08 00WP2	28	13.5	44.5	14.5	0.007
10	10	6340 10 00WP2	33	16	53	17	0.010
12	12	6340 12 00WP2	39	19	60.5	20	0.025

6340 Equal Single Y Piece

Inch

Bio-based polymer, EPDM

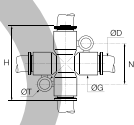


ØD	ØD1		H	K	L	N	Kg
1/4	1/4	6340 56 00WP2	22	11	36	11.5	0.010
3/8	3/8	6340 60 00WP2	33	16	53	17	0.011
1/2	1/2	6340 62 00WP2	45	22	67	23	0.028

5/32" (4 mm) and 5/16" (8 mm) also available.

6307 Equal Cross

Bio-based polymer, EPDM

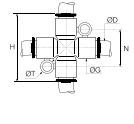


ØD		G	H	N	ØT	Kg
6	6307 06 00WP2	11	36	20	4.2	0.005
8	6307 08 00WP2	13.5	45	22.5	4.2	0.020

6307 Equal Cross

Inch

Bio-based polymer, EPDM

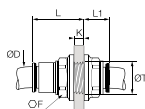


ØD		G	H	L	ØT	Kg
1/4	6307 56 00WP2	11	36	20	4.2	0.010

5/16" (8 mm) also available

6316 Equal Bulkhead Union

Bio-based polymer, EPDM

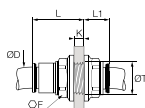


ØD		F	K max	L	L1	ØT min	Kg
4	6316 04 00WP2	13	5.5	15.5	10.5	10.5	0.018
6	6316 06 00WP2	15	8.5	20	10	12.5	0.004
8	6316 08 00WP2	18	14.5	27	10.5	15.5	0.007
10	6316 10 00WP2	22	14.5	30	13	18.5	0.012
12	6316 12 00WP2	26	18.5	35	15.5	22.5	0.020

6316 Bulkhead Union

Inch

Bio-based polymer, EPDM

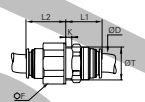


ØD		F	K max	L	L1	ØT min	Kg
1/4	6316 56 00WP2	15	8.5	20	10	12.5	0.004
3/8	6316 60 00WP2	22	14.5	29.5	12.5	18.5	0.012
1/2	6316 62 00WP2	29	20.5	40.5	17	25.5	0.030

5/32" (4mm) and 5/16" (8mm) also available

6976 Bulkhead Union

Stainless steel 316L, EPDM



ØD		F	K max	L1	L2	ØT min	Kg
16	6976 16 00	32	10.5	33	30	27.5	0.166

Electrical protection/class IP55

Complementary LIQUIfit® Range Products

The other LIQUIfit® range products are presented in the corresponding chapters of this catalogue:

Technical Tubing and Hose

Advanced PE



Function Fittings

Non-Return Valves



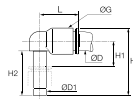
Industrial Ball Valves

LIQUIfit® Ball Valves



6382 Equal and Unequal Plug-In Elbow

Bio-based polymer, EPDM

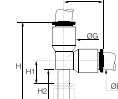


ØD	ØD1		G	H	H1	H2	L	Kg
4	4	6382 04 00WP2	8.5	23	6	15.5	15	0.003
	6	6382 04 06WP2	10.5	26.5	7	17	16.5	0.002
	6	6382 06 00WP2	10.5	26.5	7	17	17	0.003
6	4	6382 06 04WP2	10.5	25	7	15.5	17	0.001
	8	6382 06 08WP2	13.5	33.5	8	21.5	22.5	0.004
8	8	6382 08 00WP2	13.5	33.5	8	21.5	22.5	0.004
	10	6382 08 10WP2	16	39	9.5	24.5	26	0.007
10	10	6382 10 00WP2	16	39	9.5	24.5	26.5	0.004
	12	6382 10 12WP2	19	44.5	10	27	30	0.011
12	12	6382 12 00WP2	19	44.5	10	27	31	0.012

The references in diameter 4mm and 12mm are not grooved in standard version

6383 Plug-In Equal Run Tee

Bio-based polymer, EPDM

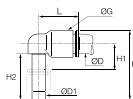


ØD	ØD1		G	H	H1	H2	L	Kg
4	4	6383 04 00WP2	8.5	33	6	15.5	15	0.002
6	6	6383 06 00WP2	10.5	38.5	7	17	18	0.002
8	8	6383 08 00WP2	13.5	49	8	21.5	23	0.005
10	10	6383 10 00WP2	16	57	10.5	25.5	26.5	0.012

6382 Equal and Unequal Plug-In Elbow

Inch

Bio-based polymer, EPDM

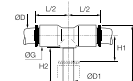


ØD	ØD1		G	H	H1	H2	L	Kg
5/16	3/8	6382 08 60WP2	16	39	10	24.5	26	0.009
1/4	1/4	6382 56 00WP2	11	30.5	11	18	18	0.002
	3/8	6382 56 60WP2	16	39	9	24.5	25.5	0.006
3/8	3/8	6382 60 00WP2	16	39	9	24.5	26.5	0.005
1/2	1/2	6382 62 00WP2	22	49	13	28.5	36	0.004

Equal plug-in elbow: 5/32" (4 mm) and 5/16" (8 mm) also available
The references in diameter 4mm and 12mm are not grooved in standard version

6388 Plug-In Equal Branch Tee

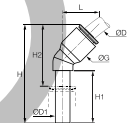
Bio-based polymer, EPDM



ØD	ØD1		G	H	H1	H2	L/2	Kg
4	4	6388 04 00WP2	8.5	25	6	15.5	15	0.005
6	6	6388 06 00WP2	10.5	28.5	7	17	16	0.006
8	8	6388 08 00WP2	13.5	33.5	8	21.5	23	0.005
10	10	6388 10 00WP2	16	41	9.5	24.5	26.5	0.007

6380 Plug-In 45° Equal Elbow

Bio-based polymer, EPDM

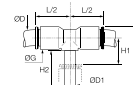


ØD	ØD1		G	H	H1	H2	L	Kg
4	4	6380 04 00WP2	8.5	33.5	19	21	13	0.001
6	6	6380 06 00WP2	11	39	21	25	14.5	0.002
8	8	6380 08 00WP2	13.5	44	21.5	25.5	19.5	0.006
10	10	6380 10 00WP2	16	53	27	32.5	23	0.004
12	12	6380 12 00WP2	19	58	27	34	26	0.012

6388 Plug-In Branch Tee

Inch

Bio-based polymer, EPDM

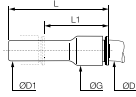


ØD	ØD1		G	H	H1	H2	L/2	Kg
1/4	1/4	6388 56 00WP2	11	30.5	11	20	18	0.002
3/8	3/8	6388 60 00WP2	16	42	12	25	25	0.008

5/32" (4 mm) and 5/16" (8 mm) also available.
For rotary applications, we recommend the use of a special grooved version, available upon request.

6366 Plug-In Reducer

Bio-based polymer, EPDM

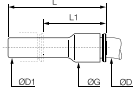


ØD	ØD1		G	L	L1	Kg
4	6	6366 04 06WP2	8.5	38	23.5	0.004
	8	6366 04 08WP2	8.5	38	19	0.004
6	8	6366 06 08WP2	10.5	38	20	0.004
	10	6366 06 10WP2	10.5	39	17.5	0.002
8	10	6366 08 10WP2	13.5	48.5	28.5	0.009
	12	6366 08 12WP2	13.5	48.5	24.5	0.004
10	12	6366 10 12WP2	16	52	33.5	0.005
	14	6366 10 14WP2	16	53	33.5	0.005

6366 Plug-In Reducer

Inch

Bio-based polymer, EPDM

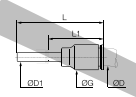


ØD	ØD1		G	L	L1	Kg
1/4	5/16	6366 56 08WP2	11	41	22.5	0.015
	3/8	6366 56 60WP2	11	41	20.5	0.002
5/16	3/8	6366 08 60WP2	13.5	48.5	29	0.003
	1/2	6366 08 62WP2	16	48.5	22	0.007
3/8	1/2	6366 60 62WP2	16	51	30	0.011

6368 Plug-In Increaser

Inch

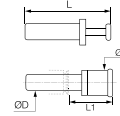
Bio-based polymer, EPDM



ØD	ØD1		G	L	L1	Kg
3/8	5/16	6368 60 08WP2	16	44	25.5	0.004

6326 Blanking Plug

Bio-based polymer

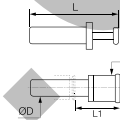


ØD		G	L	L1	Kg
4	6326 04 00WP2	6	30	15.5	0.002
6	6326 06 00WP2	8	33	16.5	0.002
8	6326 08 00WP2	10	35	17.5	0.002
10	6326 10 00WP2	12	42	21	0.003
12	6326 12 00WP2	14	45	22	0.004

6326 Blanking Plug

Inch

Bio-based polymer

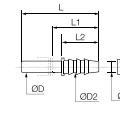


ØD		G	L	L1	Kg
1/4	6326 56 00WP2	8	36.5	22	0.002
3/8	6326 60 00WP2	11.6	42.5	22	0.002
1/2	6326 62 00WP2	14.7	48.5	21.5	0.004

5/32" (4 mm) and 5/16" (8 mm) also available

6322 Plug-In Barb Connector

Bio-based polymer

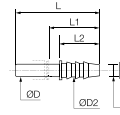


ØD	ØD1	ØD2		L	L1	L2	Kg
6	4	6	6322 06 04WP2	39	25	17	0.004
8	6	8	6322 08 06WP2	43	25	17	0.005
10	7	9	6322 10 07WP2	50	29.5	22	0.006
12	12.5	15.5	6322 12 62WP2	56	32	27.5	0.004

6322 Plug-In Barb Connector

Inch

Bio-based polymer



ØD	ØD1	ØD2		L	L1	L2	Kg
1/4	0.28	0.32	6322 56 56WP2	39	24.5	17	0.001
	0.33	0.38	6322 60 08WP2	50	29.5	22	0.002
3/8	0.28	0.32	6322 60 56WP2	45	24.5	17	0.008
	0.40	0.45	6322 60 60WP2	50	29	22	0.002
1/2	0.40	0.45	6322 62 60WP2	58	37.5	30	0.005

6351 End Cap

Bio-based polymer, EPDM



ØD		G	H	Kg
4	6351 04 00WP2	8.5	15	0.001
6	6351 06 00WP2	10.5	17	0.002
8	6351 08 00WP2	13.5	21.5	0.003
10	6351 10 00WP2	16	22	0.003
12	6351 12 00WP2	19	27.5	0.006

6351 End Cap

Inch

Bio-based polymer, EPDM

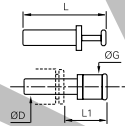


ØD		G	H	Kg
1/4	6351 56 00WP2	11	16	0.001
3/8	6351 60 00WP2	16	22.5	0.003

5/32" (4 mm) and 5/16" (8 mm) also available

6986 Blanking Plug

Stainless steel 316L



	6986 16 00			
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Up to +150°C

LIQUIfit® Push-in Fittings with Stainless Steel Adaptor



Made of nickel-plated brass or stainless steel, the metal base reinforces the installation of the fitting.

Ø metric:
4 to 16 mm

Technical Characteristics

- **Compatible Fluids:** Water, beverages, industrial fluids:
stainless steel threads
Industrial fluids: FDA chemical nickel-plated brass threads
- **Working Pressure:** Vacuum to 16 bar
- **Working Temperature:** -10°C to +130°C (up to 10 bar) for full metal parts
-10°C to +95°C for polymer with metal adaptors

Tightening Torques (BSPP)

Thread	M5 X0.8	G1/8	G1/4	G3/8	G1/2
daN.m	0.16	0.8	1.2	3	3.5

Reliable performance is dependent upon the type of fluid conveyed, component materials and tubing being used.
Use is guaranteed with a vacuum of 755 mm Hg (99% vacuum).

Advantages

- Increased mechanical resistance to tightening
- Compliance with FDA and NSF standards in stainless steel version
- Chemical and mechanical resistance, at high temperature (up to 130°C)
- Bisphenol and phthalate-free

Regulations

- RoHS
- REACH
- FDA: 21 CFR
- 1935/2004
- DM 174
- ACS
- WRAS
- KTW (stainless steel only)
- W270 (stainless steel only)

Component Materials

Silicone-free

Body:
bio-based polymer

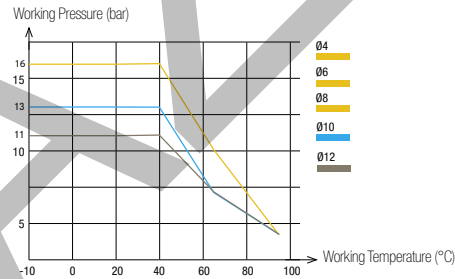
Adaptor:
stainless steel
316L or FDA
chemical nickel-
plated brass

Grey release button:
technical polymer

Gripping ring:
stainless steel

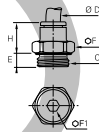
Seals: EPDM

Performance



6911 Stud Fitting, Male BSPP and Metric Thread

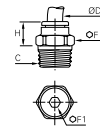
Stainless steel 316L, EPDM



ØD	C	E	F	F1	H	Kg
4	M5x0.8 6911 04 19	3	10	2.5	14	0.006
	G1/8 6911 04 10	4.5	13	3	11.5	0.007
	G1/4 6911 04 13	5.5	16	3	10.5	0.011
6	M5x0.8 6911 06 19	3	11	2.5	16	0.005
	G1/8 6911 06 10	4.5	13	4	13	0.007
	G1/4 6911 06 13	5.5	16	4	12.5	0.011
8	G1/8 6911 08 10	4.5	13	5	20.5	0.011
	G1/4 6911 08 13	5.5	16	6	19.5	0.016
	G3/8 6911 08 17	5.5	21	6	18	0.022
10	G1/4 6911 10 13	5.5	16	7	23	0.018
	G3/8 6911 10 17	5.5	21	8	19.5	0.021
	G1/2 6911 10 21	7	24	8	18	0.033
12	G3/8 6911 12 17	5.5	21	9	27	0.029
	G1/2 6911 12 21	7	24	10	22.5	0.035
	G3/8 6911 12 17	7.5	27	9	32.5	0.060
16	G1/2 6911 16 21	9	27	12	32.5	0.063
	G3/4 6911 16 27	7.5	32	12	32.5	0.096

6975 Stud Fitting, Male BSPT Thread

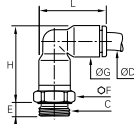
Stainless steel 316L, EPDM



ØD	C	F	F1	H	Kg
4	R1/8 6975 04 10	10	3	9.5	0.005
	R1/4 6975 04 13	14	3	6.5	0.012
6	R1/8 6975 06 10	10	4	11.5	0.005
	R1/4 6975 06 13	14	4	8.5	0.011
8	R1/8 6975 08 10	13	5	20	0.011
	R1/4 6975 08 13	14	6	17	0.014
10	R3/8 6975 08 17	17	6	13	0.021
	R1/4 6975 10 13	16	7	20	0.017
12	R3/8 6975 10 17	17	8	16.5	0.019
	R1/2 6975 10 21	21	8	14	0.037
16	R3/8 6975 12 17	19	9	24	0.028
	R1/2 6975 12 21	21	10	19.5	0.036

6959 Stud Elbow, Male BSPP and Metric Thread

Bio-based polymer, stainless steel 316L, EPDM

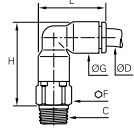


ØD	C		E	F	G	H	L	Kg
4	M5x0.8	6959 04 19	3.5	10	8.5	23	19	0.009
	G1/8	6959 04 10	4.5	13	8.5	22.5	19	0.009
	G1/4	6959 04 13	5.5	16	8.5	22.5	19	0.014
6	M5x0.8	6959 06 19	3.5	10	10.5	26.5	22.5	0.008
	G1/8	6959 06 10	4.5	13	10.5	26.5	22.5	0.011
	G1/4	6959 06 13	5.5	16	10.5	26.5	22.5	0.016
8	G1/8	6959 08 10	4.5	13	13.5	35	29.5	0.018
	G1/4	6959 08 13	5.5	16	13.5	33	29.5	0.020
	G3/8	6959 08 17	5.5	21	13.5	33	29.5	0.028
10	G1/4	6959 10 13	5.5	16	16	40.5	34	0.029
	G3/8	6959 10 17	5.5	21	16	39	34	0.037
	G1/2	6959 10 21	7	24	16	39	34	0.042
12	G1/4	6959 12 13	5.5	19	19	44	40	0.042
	G3/8	6959 12 17	5.5	21	19	42	40	0.040
	G1/2	6959 12 21	7	24	19	42	40	0.049
16	G3/8	6959 16 17	7.5	27	27	54	52	0.088
	G1/2	6959 16 21	9	27	27	55	52	0.084
	G3/4	6959 16 27	10.5	32	27	55	52	0.120

The body swivels for positioning purposes.

6979 Stud Elbow, Male BSPT Thread

Bio-based polymer, stainless steel 316L, EPDM

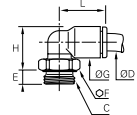


ØD	C		F	G	H	L	Kg
4	R1/8	6979 04 10	10	8.5	23	19	0.008
	R1/4	6979 04 13	14	8.5	23.5	19	0.018
6	R1/8	6979 06 10	10	10.5	27	22.5	0.010
	R1/4	6979 06 13	14	10.5	27.5	22.5	0.020
8	R1/8	6979 08 10	13	13.5	33.5	29.5	0.018
	R1/4	6979 08 13	14	13.5	32.5	29.5	0.022
	R3/8	6979 08 17	17	13.5	33	29.5	0.032
10	R1/4	6979 10 13	15	16	39.5	34	0.031
	R3/8	6979 10 17	17	16	39.5	34	0.041
	R1/2	6979 10 21	21	16	39.5	34	0.060
12	R3/8	6979 12 17	19	19	45.5	40.5	0.051
	R1/2	6979 12 21	21	19	45.5	40.5	0.065

The body swivels for positioning purposes.

6989 Stud Elbow, Male BSPP and Metric Thread

Technical polymer, Nickel-plated brass, NBR



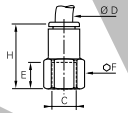
ØD	C		E	F	G	H	L	Kg
4	M5x0.8	6989 04 19	3.5	8	8.5	13.5	14	0.002
	G1/8	6989 04 10	5	13	8.5	13	14	0.006
	G1/4	6989 04 13	5.5	16	8.5	13	14	0.011
6	M5x0.8	6989 06 19	3.5	8	10.5	15.5	16	0.003
	G1/8	6989 06 10	5	13	10.5	15	16	0.006
	G1/4	6989 06 13	5.5	16	10.5	15	16	0.011
8	G1/8	6989 08 10	4.5	13	13.5	20.5	23	0.009
	G1/4	6989 08 13	5.5	16	13.5	18.5	23	0.012
	G3/8	6989 08 17	5.5	20	13.5	18.5	23	0.017
10	G1/4	6989 10 13	5.5	16	16	23.5	26.5	0.014
	G3/8	6989 10 17	5.5	20	16	22	26.5	0.017
	G1/4	6989 12 13	5.5	16	19	26.5	31	0.016
12	G3/8	6989 12 17	5.5	20	19	25	31	0.019
	G1/2	6989 12 21	7	24	19	25	31	0.029

The body swivels for positioning purposes.

*Bi-material seal

6974 Stud Fitting, Female BSPP Thread

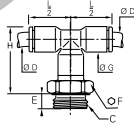
Stainless steel 316L, EPDM



ØD	C		E	F	H	Kg	
16	G3/8	6974 16 17		17	27	44	0.060
	G1/2	6974 16 21		21.5	27	17	0.065
	G3/4	6974 16 27		19	32	47	0.097

6958 Stud Branch Tee, Male BSPP and Metric Thread

Bio-based polymer, stainless steel 316L, EPDM

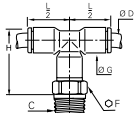


ØD	C		E	F	G	H	L/2	Kg
4	G1/8	6958 04 10	5	13	8.5	22	14	0.009
	G1/4	6958 04 13	5.5	16	8.5	22	14	0.014
6	G1/8	6958 06 10	5	13	10.5	28.5	16	0.011
	G1/4	6958 06 13	5.5	16	10.5	28.5	16	0.016
8	G1/8	6958 08 10	4.5	13	13.5	38	23	0.019
	G3/8	6958 08 17	5.5	21	13.5	36	23	0.030
10	G1/4	6958 10 13	5.5	16	16	43	26.5	0.032
	G3/8	6958 10 17	5.5	21	16	43	26.5	0.055
	G1/2	6958 10 21	7.5	24	16	43	26.5	0.051
12	G3/8	6958 12 17	5.5	21	19	45.5	31	0.042
	G1/2	6958 12 21	7	24	19	45.5	31	0.049

The body swivels for positioning purposes.

6978 Stud Branch Tee, Male BSPT Thread

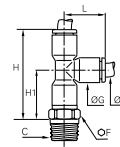
Bio-based polymer, stainless steel 316L, EPDM



ØD	C		F	G	H	L/2	Kg
4	R1/8	6978 04 10	10	8.5	17	14	0.009
	R1/4	6978 04 13	14	8.5	17	14	0.020
6	R1/8	6978 06 10	10	10.5	23	16	0.011
	R1/4	6978 06 13	14	10.5	23	16	0.011
8	R1/8	6978 08 10	13	13.5	30	23	0.020
	R1/4	6978 08 13	14	13.5	30	23	0.025
8	R3/8	6978 08 17	17	13.5	30	23	0.036
	R1/4	6978 10 13	15	16	34.5	26.5	0.033
10	R3/8	6978 10 17	17	16	34.5	26.5	0.043
	R1/2	6978 10 21	21	16	34.5	26.5	0.065
12	R3/8	6978 12 17	19	19	40.5	31	0.053
	R1/2	6978 12 21	21	19	40.5	31	0.061

6973 Stud Run Tee, Male BSPT Thread

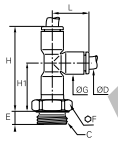
Bio-based polymer, stainless steel 316L, EPDM



ØD	C		F	G	H	H1	L	Kg
4	R1/8	6973 04 10	10	8.5	31	18	14.5	0.009
	R1/4	6973 04 13	14	8.5	31	19	14.5	0.020
6	R1/8	6973 06 10	10	10.5	38	22	17.5	0.011
	R1/4	6973 06 13	14	10.5	39	23	17.5	0.011
8	R1/8	6973 08 10	13	13.5	53	30	23	0.020
	R1/4	6973 08 13	14	13.5	52	29	23	0.025
8	R3/8	6973 08 17	17	13.5	52	29	23	0.036
	R1/4	6973 10 13	15	16	61	35	26.5	0.033
10	R3/8	6973 10 17	17	16	61	35	26.5	0.043
	R1/2	6973 10 21	21	16	61	35	26.5	0.065
12	R3/8	6973 12 17	19	19	70	39	31	0.053
	R1/2	6973 12 21	21	19	70	39	31	0.061

6953 Stud Run Tee, Male BSPP and Metric Thread

Bio-based polymer, stainless steel 316L, EPDM



ØD	C		E	F	G	H	H1	L	Kg
4	G1/8	6953 04 10	5	13	8.5	30	18	14.5	0.009
	G1/4	6953 04 13	5.5	16	8.5	30	18	14.5	0.014
6	G1/8	6953 06 10	5	13	10.5	38	22	17.5	0.011
	G1/4	6953 06 13	5.5	16	10.5	38	22	17.5	0.016
8	G1/4	6953 08 13	5.5	16	13.5	52	29	23	0.022
	G3/8	6953 08 17	5.5	21	13.5	52	29	23	0.030
8	G1/4	6953 10 13	5.5	16	16	61	35	26.5	0.032
	G3/8	6953 10 17	5.5	21	16	61	35	26.5	0.055
10	G1/2	6953 10 21	7.5	24	16	61	35	26.5	0.051
	G3/8	6953 12 17	5.5	21	19	67	36	31	0.042
12	G1/2	6953 12 21	7	24	19	67	36	31	0.049

Complementary Products for LIQUIfit® with Stainless Steel Adaptors

Technical Tubing and Hose

Advanced PE

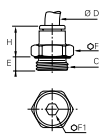
FEP

PFA



6901 Stud Fitting, Male BSPP and Metric Thread

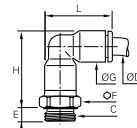
FDA chemical Nickel-plated brass, EPDM



ØD	C	E	F	F1	H	Kg
4	M5x0.8 6901 04 19	3	8	2.5	14	0.003
	G1/8 6901 04 10	5.5	13	3	11.5	0.007
6	M5x0.8 6901 06 19	3	11	2.5	16	0.005
	G1/8 6901 06 10	4.5	13	4	13	0.007
8	G1/4 6901 06 13	5.5	16	4	12.5	0.011
	G1/8 6901 08 10	4.5	13	5	20.5	0.011
8	G1/4 6901 08 13	5.5	16	6	19.5	0.016
	G3/8 6901 08 17	5.5	20	6	18	0.022
10	G1/4 6901 10 13	5.5	16	7	23	0.018
	G3/8 6901 10 17	5.5	20	8	19.5	0.021
12	G1/2 6901 10 21	7	24	8	18	0.033
	G1/2 6901 12 21	7	24	10	22.5	0.035

6999 Stud Elbow, Male BSPP and Metric Thread

Bio-based polymer, FDA chemical Nickel-plated brass, EPDM

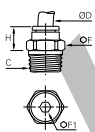


ØD	C	E	F	G	H	L	Kg
4	M5x0.8 6999 04 19	3.5	8	8.5	23	19	0.005
	G1/8 6999 04 10	4.5	13	8.5	22.5	19	0.009
6	M5x0.8 6999 06 19	3.5	10	10.5	26.5	22.5	0.008
	G1/8 6999 06 10	4.5	13	10.5	26.5	22.5	0.011
6	G1/4 6999 06 13	5.5	16	10.5	26.5	22.5	0.016
	G1/8 6999 08 10	4.5	13	13.5	35	29.5	0.018
8	G1/4 6999 08 13	5.5	16	13.5	33	29.5	0.020
	G3/8 6999 08 17	5.5	20	13.5	33	29.5	0.028
10	G1/4 6999 10 13	5.5	16	16	40.5	34	0.029
	G3/8 6999 10 17	5.5	20	16	39	34	0.037
12	G1/2 6999 10 21	7	24	16	39	34	0.042
	G3/8 6999 12 17	5.5	20	19	42	40	0.040
12	G1/2 6999 12 21	7	24	19	42	40	0.049

The body swivels for positioning purposes.

6905 Stud Fitting, Male BSPT Thread

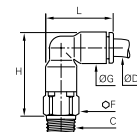
FDA chemical Nickel-plated brass, EPDM



ØD	C	F	F1	H	Kg
4	R1/8 6905 04 10	10	3	9.5	0.005
	R1/4 6905 04 13	14	3	6.5	0.012
6	R1/8 6905 06 10	10	4	11.5	0.005
	R1/4 6905 06 13	14	4	8.5	0.011
8	R1/8 6905 08 10	13	5	20	0.011
	R1/4 6905 08 13	14	6	17	0.014
8	R3/8 6905 08 17	17	6	13	0.021
	R1/4 6905 10 13	16	7	20	0.017
10	R3/8 6905 10 17	17	8	16.5	0.019
	R1/2 6905 10 21	21	8	14	0.037
12	R3/8 6905 12 17	19	9	24	0.028
	R1/2 6905 12 21	21	10	19.5	0.036

6909 Stud Elbow, Male BSPT Thread

Bio-based polymer, FDA chemical Nickel-plated brass, EPDM

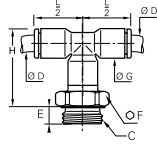


ØD	C	F	G	H	L	Kg
4	R1/8 6909 04 10	10	8.5	23	19	0.008
	R1/4 6909 04 13	14	8.5	23.5	19	0.018
6	R1/8 6909 06 10	10	10.5	27	22.5	0.010
	R1/4 6909 06 13	14	10.5	27.5	22.5	0.020
8	R1/8 6909 08 10	13	13.5	33.5	29.5	0.018
	R1/4 6909 08 13	14	13.5	32.5	29.5	0.022
8	R3/8 6909 08 17	17	13.5	33	29.5	0.032
	R1/4 6909 10 13	15	16	39.5	34	0.031
10	R3/8 6909 10 17	17	16	39.5	34	0.041
	R1/2 6909 10 21	21	16	39.5	34	0.060
12	R3/8 6909 12 17	19	19	45.5	40.5	0.051
	R1/2 6909 12 21	21	19	45.5	40.5	0.065

The body swivels for positioning purposes.

6998 Stud Branch Tee, Male BSPP and Metric Thread

Bio-based polymer, FDA chemical Nickel-plated brass, EPDM

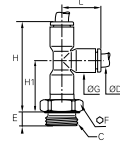


ØD	C		E	F	G	H	L/2	Kg
4	M5x0.8	6998 04 19	3.5	8	8.5	24	14	0.006
	G1/8	6998 04 10	5	13	8.5	22	14	0.009
	G1/4	6998 04 13	5.5	16	8.5	22	14	0.014
6	M5x0.8	6998 06 19	3.5	10	10.5	30	16	0.009
	G1/4	6998 06 13	5.5	16	10.5	29	16	0.016
8	G1/8	6998 08 10	4.5	13	13.5	38	23	0.019
	G1/4	6998 10 13	5.5	16	16	43	26.5	0.032
10	G3/8	6998 10 17	5.5	20	16	43	26.5	0.055
	G1/2	6998 10 21	7.5	24	16	43	26.5	0.051
12	G3/8	6998 12 17	5.5	20	19	45.5	31	0.042
	G1/2	6998 12 21	7	24	19	45.5	31	0.049

The body swivels for positioning purposes.

6993 Stud Run Tee, Male BSPP and Metric Thread

Bio-based polymer, FDA chemical Nickel-plated brass, EPDM

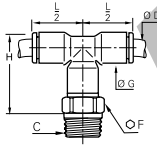


ØD	C		E	F	G	H	H1	L	Kg
4	M5x0.8	6993 04 19	3.5	8	8.5	32	19	14.5	0.006
	G1/8	6993 04 10	5	13	8.5	30	18	14.5	0.009
	G1/4	6993 04 13	5.5	16	8.5	30	18	14.5	0.014
6	M5x0.8	6993 06 19	3.5	10	10.5	39	23	17.5	0.009
	G1/4	6993 06 13	5.5	16	10.5	38	22	17.5	0.016
8	G1/8	6993 08 10	4.5	13	13.5	54	31	23	0.019
	G3/8	6993 08 17	5.5	20	13.5	52	29	23	0.030
10	G3/8	6993 10 17	5.5	20	16	61	35	26.5	0.055
	G1/2	6993 10 21	7.5	24	16	61	35	26.5	0.051
12	G3/8	6993 12 17	5.5	20	19	67	36	31	0.042
	G1/2	6993 12 21	7	24	19	67	36	31	0.049

The body swivels for positioning purposes.

6908 Stud Branch Tee, Male BSPT Thread

Bio-based polymer, FDA chemical Nickel-plated brass, EPDM

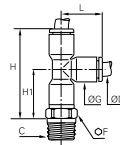


ØD	C		F	G	H	L/2	Kg
4	R1/8	6908 04 10	10	8.5	17	14	0.009
	R1/4	6908 04 13	14	8.5	17	14	0.020
6	R1/4	6908 06 13	14	10.5	23	16	0.011
	R1/8	6908 08 10	13	13.5	30	23	0.020
8	R1/4	6908 08 13	14	13.5	30	23	0.025
	R3/8	6908 08 17	17	13.5	30	23	0.036
	R1/4	6908 10 13	15	16	34.5	26.5	0.033
10	R3/8	6908 10 17	17	16	34.5	26.5	0.043
	R1/2	6908 10 21	21	16	34.5	26.5	0.065
12	R3/8	6908 12 17	19	19	40.5	31	0.053
	R1/2	6908 12 21	21	19	40.5	31	0.061

The body swivels for positioning purposes.

6903 Stud Run Tee, Male BSPT Thread

Bio-based polymer, FDA chemical Nickel-plated brass, EPDM



ØD	C		F	G	H	H1	L	Kg
4	R1/8	6903 04 10	10	8.5	31	18	14.5	0.009
	R1/4	6903 04 13	14	8.5	31	19	14.5	0.020
6	R1/4	6903 06 13	14	10.5	39	23	17.5	0.011
	R1/8	6903 08 10	13	13.5	53	30	23	0.020
8	R1/4	6903 08 13	14	13.5	52	29	23	0.025
	R3/8	6903 08 17	17	13.5	52	29	23	0.036
	R1/4	6903 10 13	15	16	61	35	26.5	0.033
10	R3/8	6903 10 17	17	16	61	35	26.5	0.043
	R1/2	6903 10 21	21	16	61	35	26.5	0.065
12	R3/8	6903 12 17	19	19	70	39	31	0.053
	R1/2	6903 12 21	21	19	70	39	31	0.061

The body swivels for positioning purposes.

LF 3600 Push-In Fittings / Stud Fittings



Made of chemical nickel-plated brass, this range of metal fittings is resistant to industrial and food fluids.

Ø metric:
4 to 14 mm

Technical Characteristics

- **Suitable Fluids:** compressed air, grease, lubricant, water...
- **Working Pressure:** vacuum to 30 bar (20 bar: 3699, 3609, 3639)
- **Working Temperature:** -25°C to +150°C

Maximum Tightening Torque (daN.m)	Threads							
	M5 x0.8	M6 x1	M8 x1	M10 x1	G1/8	G1/4	G3/8	G1/2
	0.16	0.18	0.6	0.8	0.8	1.2	3	3.5

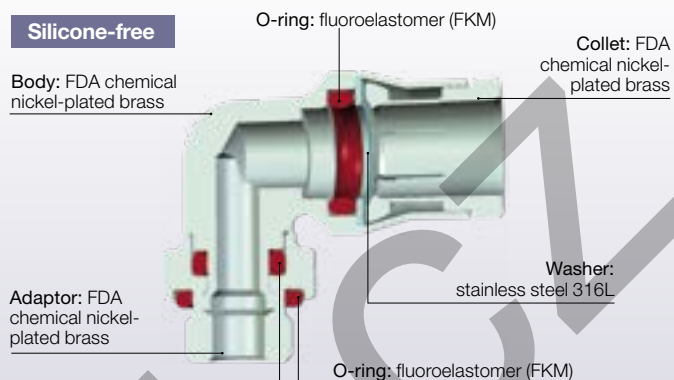
Reliable performance is dependent upon the type of fluid conveyed, component materials and tubing being used.

Use is guaranteed with a vacuum of 755 mm Hg (99% vacuum).

Advantages

- Wide range of working temperatures: up to +150°C
- Wide range of working pressures: from vacuum up to 30 bar
- Materials conform to FDA standards
- Extended chemical compatibility

Component Materials

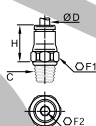


Regulations

- PED
- RoHS
- REACH

3675 Stud Fitting, Male BSPT Thread

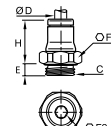
FDA chemical Nickel-plated brass, FKM



ØD	C	Part No.	F1	F2	H	Kg
4	R1/8	3675 04 10	10	3	15	0.009
4	R1/4	3675 04 13	14	3	15	0.017
6	R1/8	3675 06 10	13	4	17	0.011
6	R1/4	3675 06 13	14	4	17	0.018
6	R1/8	3675 08 10	15	5	19	0.015
8	R1/4	3675 08 13	16	6	18	0.019
8	R3/8	3675 08 17	17	6	18.5	0.027
10	R1/4	3675 10 13	18	7	23	0.026
10	R3/8	3675 10 17	18	8	22.5	0.031
10	R1/2	3675 10 21	22	8	22.5	0.056
12	R1/4	3675 12 13	20	7	25.5	0.033
12	R3/8	3675 12 17	20	9	24	0.035
12	R1/2	3675 12 21	22	10	23	0.051
14	R3/8	3675 14 17	22	9	27	0.042
14	R1/2	3675 14 21	24	11	26	0.057

3601 Stud Fitting, Male BSPP and Metric Thread

FDA chemical Nickel-plated brass, FKM

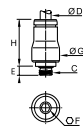


ØD	C	Part No.	E	F1	F2	H	Kg
4	M5x0,8	3601 04 19	3,5	10	2,5	15,5	0,006
4	M6x1	3601 04 52	4,5	10	3	16	0,006
4	M8x1	3601 04 56	5	11	3	14,5	0,007
6	G1/8	3601 04 10	4,5	13	3	14,5	0,009
6	G1/4	3601 04 13	5,5	16	3	14,5	0,015
6	M5x0,8	3601 06 19	3,5	13	2,5	19	0,010
6	M10x1	3601 06 60	5,5	13	4	17,5	0,011
6	G1/8	3601 06 10	4,5	13	4	17,5	0,011
6	G1/4	3601 06 13	5,5	16	4	17	0,015
8	G1/8	3601 08 10	4,5	16	5	21	0,014
8	G1/4	3601 08 13	5,5	16	6	18	0,016
8	G3/8	3601 08 17	5,5	20	6	19	0,028
10	G1/4	3601 10 13	5,5	18	7	25	0,025
10	G3/8	3601 10 17	5,5	20	8	22,5	0,028
10	G1/2	3601 10 21	7	24	8	22,5	0,043
10	G1/4	3601 12 13	5,5	20	7	26,5	0,030
12	G3/8	3601 12 17	5,5	20	9	26	0,034
12	G1/2	3601 12 21	7	24	10	23,5	0,042
14	G3/8	3601 14 17	5,5	22	9	28	0,038
14	G1/2	3601 14 21	7	24	11	26,5	0,045

LF 3600 Push-In Fittings / Stud Fittings

3681 Stud Fitting with Internal Hexagon, Male Metric Thread

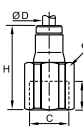
FDA chemical Nickel-plated brass, FKM



ØD	C	E	F	G	H	Kg
4	M5x0.8 3681 04 19	3.5	2.5	10	16	0.005

3614 Stud Fitting, Female BSPP and Metric Thread

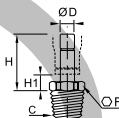
FDA chemical Nickel-plated brass, FKM



ØD	C	E	F	H	Kg
4	M5x0.8 3614 04 19	5	10	22	0.009
	G1/8 3614 04 10	7.5	14	25	0.016
	G1/4 3614 04 13	11	17	29	0.026
6	G1/8 3614 06 10	7.5	14	27.5	0.019
	G1/4 3614 06 13	11	17	31.5	0.028
8	G1/8 3614 08 10	9.5	15	28.5	0.022
	G1/4 3614 08 13	13.5	17	32.5	0.028
10	G3/8 3614 10 17	14	22	38	0.052
	G3/8 3614 12 17	14	22	39	0.055
12	G1/2 3614 12 21	18.5	24	43.5	0.062

3621 Stud Standpipe, Male BSPT Thread

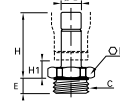
FDA chemical Nickel-plated brass



ØD	C	F	H	H1	Kg
4	R1/8 3621 04 10	10	21	7	0.006
	R1/8 3621 06 10	10	23.5	6.5	0.008
6	R1/4 3621 06 13	14	23.5	6.5	0.016
	R1/8 3621 08 10	10	24	6.5	0.009
8	R1/4 3621 08 13	14	24	6.5	0.017
	R1/4 3621 10 13	14	22	6.5	0.018
10	R3/8 3621 10 17	17	30	7.5	0.022
	R3/8 3621 12 17	17	31	7.5	0.023
12	R1/2 3621 12 21	22	31	7.5	0.041
14	R1/2 3621 14 21	22	33	8	0.042

3631 Stud Standpipe, Male BSPP and Metric Thread

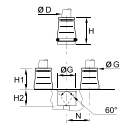
FDA chemical Nickel-plated brass, FKM



ØD	C	E	F	H	H1	Kg
4	M5x0.8 3631 04 19	3.5	13	21.5	7	0.003
	G1/8 3631 04 10	4.5	13	20	7	0.007
	G1/4 3631 04 13	5.5	8	20	7.5	0.011
6	G1/8 3631 06 10	4.5	13	22.5	6.5	0.009
	G1/4 3631 06 13	5.5	16	22.5	6.5	0.012
8	G1/8 3631 08 10	4.5	13	22.5	6.5	0.010
	G1/4 3631 08 13	5.5	16	23	6.5	0.013
10	G3/8 3631 08 17	5.5	20	23	7.5	0.018
	G1/4 3631 10 13	5.5	16	28	6.5	0.015
10	G3/8 3631 10 17	5.5	20	28	7.5	0.022
	G1/2 3631 10 21	7	24	28	7.5	0.028
12	G3/8 3631 12 17	5.5	20	29	7.5	0.023
	G1/2 3631 12 21	7	24	29	7.5	0.033
14	G1/2 3631 14 21	7	24	31	8	0.033

3600 Cartridge

FDA chemical Nickel-plated brass, FKM

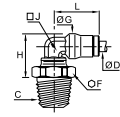


ØD	G	G1	H	H1	H2	N	Kg	
4	3600 04 00	9.8	8	17	8.5	8.5	11	0.006
6	3600 06 00	12.1	10	19	10.5	8.5	13.5	0.009
8	3600 08 00	14.8	13	21	12.5	8.5	16	0.012
10	3600 10 00	17.5	15	24.5	14	10.5	20	0.019
12	3600 12 00	20	17	25	14.5	10.5	22.5	0.023
14	3600 14 00	22	20	28.5	16.5	12	25	0.031

Cavity dimension available upon request

3609 Stud Elbow, Male BSPT Thread

FDA chemical Nickel-plated brass, FKM



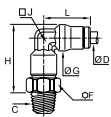
ØD	C	F	G	H	J	L	Kg
4	R1/8 3609 04 10	13	10	15	7	18	0.014
	R1/4 3609 04 13	14	10	17	7	18	0.020
6	R1/8 3609 06 10	13	12	17.5	8	21.5	0.018
	R1/4 3609 06 13	14	12	19	8	21.5	0.025
8	R1/8 3609 08 10	13	15	19.5	10	23.5	0.022
	R1/4 3609 08 13	14	15	21	10	23.5	0.029
10	R3/8 3609 08 17	17	15	21	10	23.5	0.035
	R1/4 3609 10 13	15	17.5	23.5	12	29	0.037
10	R3/8 3609 10 17	17	17.5	25.5	12	29	0.043
	R1/4 3609 12 13	15	19.5	26	15	31	0.049
12	R3/8 3609 12 17	17	19.5	28.5	15	31	0.055
	R1/2 3609 12 21	21	19.5	28.5	15	31	0.072
14	R3/8 3609 14 17	19	21.5	29	16	34	0.063
	R1/2 3609 14 21	22	21.5	30	16	34	0.072

The body swivels for positioning purposes. Maxi pressure = 20 bar

LF 3600 Push-In Fittings / Stud Fittings

3629 Extended Stud Elbow, Male BSPT Thread

FDA chemical Nickel-plated brass, FKM

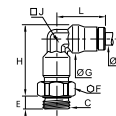


ØD	C		F	G	H	J	L	Kg
4	R1/8	3629 04 10	10	10	24.5	7	18	0.025
	R1/4	3629 06 13	14	12	30.5	8	21.5	0.031
6	R1/8	3629 08 10	14	15	32.5	10	23.5	0.031
	R1/4	3629 08 13	14	15	34	10	23.5	0.037
10	R1/4	3629 10 13	18	17.5	39	12	29	0.054

The body swivels for positioning purposes.

3669 Extended Stud Elbow, Male BSPP and Metric Thread

FDA chemical Nickel-plated brass, FKM

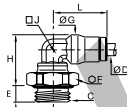


ØD	C		E	F	G	H	J	L	Kg
4	M5x0,8	3669 04 19	3,5	10	10	27,5	7	18	0,014
	G1/8	3669 04 10	4,5	13	10	25,5	7	18	0,017
6	G1/8	3669 06 10	4,5	13	12	31	8	21,5	0,024
	G1/4	3669 06 13	5,5	16	12	30,5	8	21,5	0,028
8	G1/8	3669 08 10	4,5	14	15	33,5	10	23,5	0,031
	G1/4	3669 08 13	5,5	16	15	34	10	23,5	0,035
10	G1/4	3669 10 13	5,5	18	17,5	42	12	29	0,052
	G3/8	3669 10 17	5,5	20	17,5	41	12	29	0,056
12	G1/4	3669 12 13	5,5	20	19,5	47	15	31	0,070
	G3/8	3669 12 17	5,5	20	19,5	46	15	31	0,341
14	G1/2	3669 14 21	7	24	21,5	49	16	34	0,094

The body swivels for positioning purposes.

3699 Compact Elbow, Male BSPP and Metric Thread

FDA chemical Nickel-plated brass, FKM

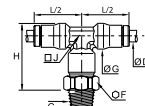


ØD	C		E	F	G	H	J	L	Kg
4	M5x0,8	3699 04 19	3,5	10	10	18	7	18	0,011
	M6x1	3699 04 52	4,5	10	10	18	7	18	0,011
	M8x1	3699 04 56	5	11	10	18	7	18	0,013
	G1/8	3699 04 10	4,5	13	10	17	7	18	0,014
	G1/4	3699 04 13	5,5	16	10	17,5	7	18	0,019
6	M10x1	3699 06 60	5,5	13	12	19	8	21,5	0,017
	G1/8	3699 06 10	4,5	13	12	19	8	21,5	0,018
	G1/4	3699 06 13	5,5	16	12	19,5	8	21,5	0,022
	G1/8	3699 08 10	4,5	13	15	20,5	10	23,5	0,021
	G1/4	3699 08 13	5,5	16	15	21,5	10	23,5	0,027
10	G3/8	3699 08 17	5,5	20	15	21,5	10	23,5	0,033
	G1/4	3699 10 13	5,5	16	17,5	27	12	29	0,037
	G3/8	3699 10 17	5,5	20	17,5	25,5	12	29	0,043
12	G1/4	3699 12 13	5,5	16	19,5	29,5	15	31	0,050
	G3/8	3699 12 17	5,5	20	19,5	28,5	15	31	0,057
14	G1/2	3699 12 21	7	24	19,5	28,5	15	31	0,065
	G3/8	3699 14 17	5,5	20	21,5	29	16	34	0,059
14	G1/2	3699 14 21	7	24	21,5	29,5	16	34	0,062

The body swivels for positioning purposes. Maxi pressure = 20 bar

3608 Stud Branch Tee, Male BSPT Thread

FDA chemical Nickel-plated brass, FKM

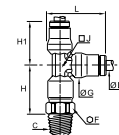


ØD	C		F	G	H	J	L/2	Kg
4	R1/8	3608 04 10	10	10	24.5	7	18	0.020
	R1/4	3608 06 10	13	12	29.5	8	21.5	0.031
6	R1/4	3608 06 13	14	12	30.5	8	21.5	0.038
	R1/8	3608 08 10	14	15	32.5	10	23.5	0.040
8	R1/4	3608 08 13	14	15	34	10	23.5	0.047
	R1/4	3608 10 13	18	17.5	39	12	29	0.067
10	R3/8	3608 10 17	18	17.5	41	12	29	0.070
12	R3/8	3608 12 17	20	19.5	46.5	15	31	0.094
14	R1/2	3608 14 21	22	21.5	50.5	16	34	0.125

The body swivels for positioning purposes.

3603 Stud Run Tee, Male BSPT Thread

FDA chemical Nickel-plated brass, FKM

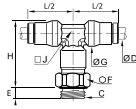


ØD	C		F	G	H	H1	J	L	Kg
4	R1/8	3603 04 10	10	10	19.5	18	7	23	0.018
	R1/8	3603 06 10	13	12	23.5	21.5	8	28	0.031
6	R1/4	3603 06 13	14	12	24.5	21.5	8	28	0.037
	R1/8	3603 08 10	14	15	25	23.5	10	31	0.041
8	R1/4	3603 08 13	14	15	26.5	23.5	10	31	0.044
	R1/4	3603 10 13	18	17.5	30.5	29	12	37.5	0.067
10	R3/8	3603 10 17	18	17.5	32.5	29	12	37.5	0.069
12	R3/8	3603 12 17	20	19.5	36.5	31	15	40.5	0.103
14	R1/2	3603 14 21	22	21.5	40	34	16	45	0.147

The body swivels for positioning purposes.

3698 Stud Branch Tee, Male BSPP and Metric Thread

FDA chemical Nickel-plated brass, FKM

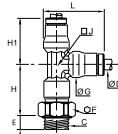


ØD	C		E	F	G	H	J	L/2	Kg
4	M5x0,8	3698 04 19	3,5	10	10	27,5	7	18	0,018
	G1/8	3698 04 10	4,5	13	10	25,5	7	18	0,021
6	G1/8	3698 06 10	4,5	13	12	31	8	21,5	0,031
	G1/4	3698 06 13	5,5	16	12	30,5	8	21,5	0,035
8	G1/8	3698 08 10	4,5	14	15	33,5	10	23,5	0,041
	G1/4	3698 08 13	5,5	16	15	34	10	23,5	0,045
10	G1/4	3698 10 13	5,5	18	17,5	42	12	29	0,066
12	G3/8	3698 12 17	5,5	20	19,5	46	15	31	0,088
14	G1/2	3698 14 21	7	24	21,5	49	16	34	0,119

The body swivels for positioning purposes.

3693 Stud Run Tee, Male BSPP and Metric Thread

FDA chemical Nickel-plated brass, FKM

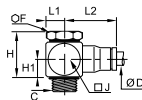


ØD	C		E	F	G	H	H1	J	L	Kg
4	M5x0,8	3693 04 19	3,5	10	10	22,5	18	7	23	0,019
	G1/8	3693 04 10	4,5	13	10	20,5	18	7	23	0,021
6	G1/8	3693 06 10	4,5	13	12	25	21,5	8	28	0,031
	G1/4	3693 06 13	5,5	16	12	24,5	21,5	8	28	0,035
8	G1/8	3693 08 10	4,5	14	15	26,5	23,5	10	31	0,041
	G1/4	3693 08 13	5,5	16	15	26,5	23,5	10	31	0,044
10	G1/4	3693 10 13	5,5	18	17,5	33	29	12	37,5	0,066
12	G3/8	3693 12 17	5,5	20	19,5	36,5	31	15	40,5	0,090
14	G1/2	3693 14 21	7	24	21,5	38,5	34	16	45	0,112

The body swivels for positioning purposes.

3618 Single Banjo, Male BSPP and Metric Thread

FDA chemical Nickel-plated brass, FKM



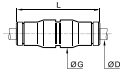
ØD	C		F	H	H1	J	L1	L2	Kg
4	M5x0,8	3618 04 19	8	13	6	10	6	18,5	0,011
	G1/8	3618 04 10	13	16,5	7	15	7,5	22	0,029
6	M5x0,8	3618 06 19	8	13	6	10	5	22,5	0,015
	G1/8	3618 06 10	13	16,5	7	15	7,5	24	0,031
	G1/4	3618 06 13	17	21	9	18	9	24	0,049
8	G1/8	3618 08 10	13	16,5	7	15	7,5	25,5	0,033
	G1/4	3618 08 13	17	21	9	18	9	26,5	0,051
10	G3/8	3618 10 17	20	24,5	11	21,5	11	33	0,105

Maximum temperature: +80°C

LF 3600 Push-In Fittings / Tube-to-Tube Fittings

3606 Equal Tube-to-Tube Connector

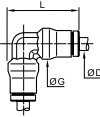
FDA chemical Nickel-plated brass, FKM



ØD		G	L	Kg
4	3606 04 00	10	30.5	0.010
6	3606 06 00	12	36.5	0.016
8	3606 08 00	15	37.5	0.021
10	3606 10 00	17.5	47.5	0.034
12	3606 12 00	19.5	50	0.042
14	3606 14 00	21.5	52.5	0.050

3602 Equal Elbow

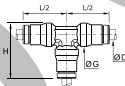
FDA chemical Nickel-plated brass, FKM



ØD		G	L	Kg
4	3602 04 00	10	23	0.010
6	3602 06 00	12	28	0.016
8	3602 08 00	15	31	0.022
10	3602 10 00	17.5	37.5	0.033
12	3602 12 00	19.5	40.5	0.045
14	3602 14 00	21.5	45	0.056

3604 Equal Tee

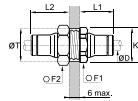
FDA chemical Nickel-plated brass, FKM



ØD		G	H	L/2	Kg
4	3604 04 00	10	23	18	0.014
6	3604 06 00	12	28	21.5	0.023
8	3604 08 00	15	31	23.5	0.032
10	3604 10 00	17.5	37.5	29	0.048
12	3604 12 00	19.5	40.5	31	0.063
14	3604 14 00	21.5	45	34	0.078

3616 Equal Bulkhead Connector

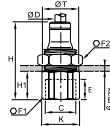
FDA chemical Nickel-plated brass, FKM



ØD		F1	F2	K	L1	L2	ØT min	Kg
4	3616 04 00	13	14	14	14	20	12.5	0.018
6	3616 06 00	16	17	17.5	17	22	15	0.028
8	3616 08 00	18	19	19.5	18.5	23.5	17	0.036
10	3616 10 00	22	27	24	21.5	26.5	21	0.063
12	3616 12 00	24	24	26	23	27	23	0.062
14	3616 14 00	27	27	29.5	25.5	29.5	25	0.079

3636 Bulkhead Connector, Female BSPP Thread

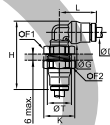
FDA chemical Nickel-plated brass, FKM



ØD	C	E	F1	F2	H	H1	K	ØT min	Kg
4	G1/8	3636 04 10	8.5	14	14	30.5	11	15	0.020
6	G1/8	3636 06 10	8.5	17	17	33	11	18.5	0.033
	G1/4	3636 06 13	11.5	17	17	37	15	18.5	0.033
8	G1/8	3636 08 10	8.5	19	19	34	10.5	21	0.044
	G1/4	3636 08 13	11.5	19	19	38	14.5	21	0.044
10	G3/8	3636 10 17	12	22	27	42.5	16	24	0.073
12	G3/8	3636 12 17	12	24	24	43	16	26	0.077
	G1/2	3636 12 21	16	27	24	48.5	21.5	29.5	0.133

3639 Equal Bulkhead Elbow

FDA chemical Nickel-plated brass, FKM



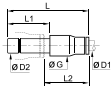
ØD		F1	F2	G	H	K	L	ØT min	Kg
4	3639 04 00	13	14	10	35	14	18	12.5	0.023
6	3639 06 00	16	17	12	40.5	17.5	21.5	15	0.035
8	3639 08 00	18	19	15	44	19.5	23.5	17	0.046
10	3639 10 00	22	27	17.5	51	24	29	21	0.080
12	3639 12 00	24	24	19.5	55	26	31	23	0.086
14	3639 14 00	27	27	21.5	59	29.5	34	25	0.144

The body swivels for positioning purposes.
Maxi pressure = 20 bar

LF 3600 Push-In Fittings / Plug-In Accessories

3666 Plug-In Reducer

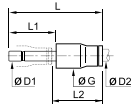
FDA chemical Nickel-plated brass, FKM



ØD1	ØD2		G	L	L1	L2	Kg
4	6	3666 04 06	10	35	19.5	18	0.008
	8	3666 04 08	10	35.5	20	18	0.009
6	8	3666 06 08	12	38	20	20.5	0.012
	10	3666 06 10	12	43.5	25	21	0.015
8	10	3666 08 10	15	44	25	21.5	0.016
	12	3666 08 12	15	44	26	20.5	0.018
10	12	3666 10 12	17.5	50	26	27	0.026
12	14	3666 12 14	19.5	53	28	28.5	0.032

3667 Plug-In Metric/Inch Adaptor

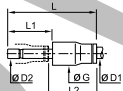
FDA chemical Nickel-plated brass, FKM



ØD1	ØD2		G	L	L1	L2	Kg
6	1/4	3667 06 56	12.5	38.5	19.5	21	0.012
10	3/8	3667 10 60	17	49.5	25	27	0.026
12	1/2	3667 12 62	20	51	26	27.5	0.030

3668 Plug-In Increaser

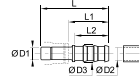
FDA chemical Nickel-plated brass, FKM



ØD1	ØD2		G	L	L1	L2	Kg
6	4	3668 06 04	12	36	17	21.5	0.010

3622 Plug-In Barb Connector

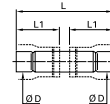
FDA chemical Nickel-plated brass



ØD1	ØD2	ØD3		L	L1	L2	Kg
4	3.2	5	3622 04 53	40.5	27	22.5	0.003
	5	7	3622 04 05	40.5	27	22.5	0.005
6	5	7	3622 06 05	43	27	22.5	0.006
	6.3	8.3	3622 08 56	42	25	22.5	0.008
8	8	10	3622 08 08	44	27	22.5	0.010
	6.3	8.3	3622 10 56	47.5	25.5	22.5	0.011
10	8	10	3622 10 08	47.5	25.5	22.5	0.011
	8	10	3622 12 08	48.5	25.5	22.5	0.015
12	10	12	3622 12 10	48.5	25.5	22.5	0.014
	12.5	14.5	3622 12 62	57	34	29.5	0.019
14	12.5	14.5	3622 14 62	57.5	33	29.5	0.022
	14	16	3622 14 14	59.5	35	29.5	0.023

3620 Male Stem Connector

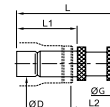
FDA chemical Nickel-plated brass



ØD		L	L1	Kg
4	3620 04 00	31	14	0.002
6	3620 06 00	36.5	17	0.005
8	3620 08 00	37.5	17.5	0.007
10	3620 10 00	47.5	22.5	0.011
12	3620 12 00	49.5	23.5	0.015
14	3620 14 00	53	25	0.016

3626 Blanking Plug

FDA chemical Nickel-plated brass



ØD		G	L	L1	L2	Kg
4	3626 04 00	6	25.5	17.5	11.5	0.004
6	3626 06 00	8	30.5	19.5	13.5	0.009
8	3626 08 00	10	33	20	16	0.009
10	3626 10 00	12	40	25	18	0.015
12	3626 12 00	14	43	26	20	0.021
14	3626 14 00	16	47	28	22.5	0.029

LF 3600 Push-In Fittings / Maintenance Kit



• The essential tool to rapidly carry out the main maintenance operations and reduce production interruptions.

Advantages

- A selection of 24 references covering the most-used products
- Products available in the most common diameters: 4 mm, 6 mm and 8 mm
- A kit contains more than 232 products and can be easily completed with our standard products

3650..33 Maintenance Kit, BSP Parallel Thread



3650 00 00 33

H	L	L1	Kg
81	413	330	2,900

Low Lead Brass LF 3600 Push-In Fittings



This range is designed for applications that require low lead content within the circuit components. These products are made to order, according to your needs and specifications. Please contact us for any project.

Ø metric:
4 to 8 mm

Technical Characteristics

- **Compatible Fluids:** drinking water and vapour
Other fluids: please consult us
- **Working Pressure:** Vacuum to 30 bar. Models 3609, 3699 and 3639 are limited to 20 bar
- **Working Temperature:** -25°C to +150°C

Maximum Tightening Torque (daN.m)	Threads		
	M5x0.8	G1/8	G1/4
	0.06	0.8	1.2

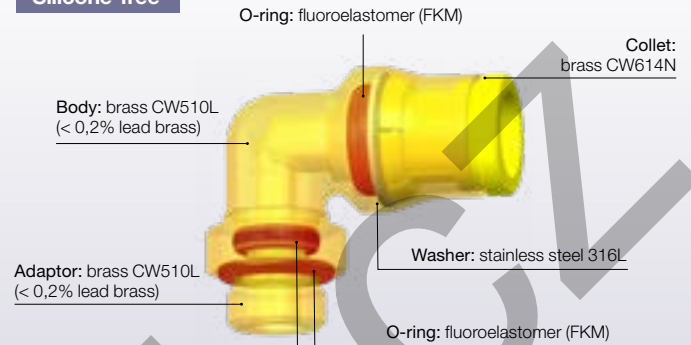
Reliable performance is dependent upon the type of fluid conveyed, component materials and tubing being used. Use is guaranteed with a vacuum of 755 mm Hg (99% vacuum).

Advantages

- Dedicated to coffee machines and beverage vending machines

Component Materials

Silicone-free

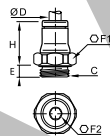


Regulations

- 1935/2004
- NSF/ANSI 169
- DM 174
- FDA : 21 CFR
- RoHS
- REACH
- EN 16889
- LFGB

3601 Stud Fitting, Male BSPP and Metric Thread

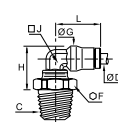
Low lead brass, FKM



ØD	C		E	F1	F2	H	Kg
4	G1/8	3601 04 10 84	5.5	13	3	14.5	0.009
	G1/4	3601 04 13 84	6.5	16	3	14.5	0.015
	M5x0.8	3601 04 19 84	3.5	10	2.5	15.5	0.006
6	G1/8	3601 06 10 84	5.5	13	4	17.5	0.011
	G1/4	3601 06 13 84	6.5	16	4	17	0.015
8	G1/8	3601 08 10 84	5.5	16	5	21	0.014

3609 Stud Elbow, Male BSPT Thread

Low lead brass, FKM

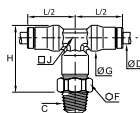


ØD	C		F	G	H	J	L	Kg
4	R1/8	3609 04 10 84	13	10	15	7	18	0.014
	R1/4	3609 04 13 84	14	10	17	7	18	0.020
6	R1/8	3609 06 10 84	13	12	17.5	8	21.5	0.018
	R1/4	3609 06 13 84	14	12	19	8	21.5	0.025

The body swivels for positioning purposes.

3608 Stud Branch Tee, Male BSPT Thread

Low lead brass, FKM

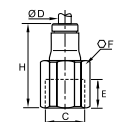


ØD	C		F	G	H	J	L/2	Kg
4	R1/8	3608 04 10 84	10	10	24.5	7	18	0.020

The body swivels for positioning purposes.

3614 Stud Fitting, Female BSPP Thread

Low lead brass, FKM

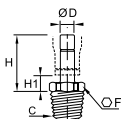


ØD	C		E	F	H	Kg
4	G1/8	3614 04 10 84	7.5	14	25	0.016
	G1/4	3614 04 13 84	11	17	29	0.026
6	G1/8	3614 06 10 84	7.5	14	27.5	0.019
	G1/4	3614 06 13 84	11	17	31.5	0.028

Low Lead Brass LF 3600 Push-In Fittings

3621 Stud Standpipe, Male BSPT Thread

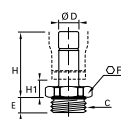
Low lead brass



ØD	C		F	H	H1	Kg
6	R1/8	3621 06 10 84	10	23.5	6.5	0.008

3631 Stud Standpipe, Male BSPP Thread

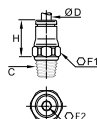
Low lead brass, FKM



ØD	C		E	F	H	H1	Kg
8	G1/8	3631 08 10 84	5.5	13	22.5	6.5	0.010

3675 Stud Fitting, Male BSPT Thread

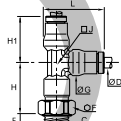
Low lead brass, FKM



ØD	C		F1	F2	H	Kg
4	R1/8	3675 04 10 84	10	3	15	0.009
	R1/4	3675 04 13 84	14	3	15	0.017
6	R1/8	3675 06 10 84	13	4	17	0.011

3693 Stud Run Tee, Male BSPP and Metric Thread

Low lead brass, FKM

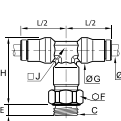


ØD	C		E	F	G	H	H1	J	L	Kg
4	G1/8	3693 04 10 84	5.5	13	10	20.5	18	7	23	0.021
6	G1/8	3693 06 10 84	5.5	13	12	25	21.5	8	28	0.031

The body swivels for positioning purposes.

3698 Stud Branch Tee, Male BSPP and Metric Thread

Low lead brass, FKM

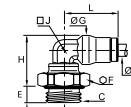


ØD	C		E	F	G	H	J	L/2	Kg
6	G1/8	3698 06 10 84	5.5	13	12	31	8	21.5	0.031

The body swivels for positioning purposes.

3699 Compact Elbow, Male BSPP and Metric Thread

Low lead brass, FKM

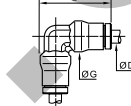


ØD	C		E	F	G	H	J	L	Kg
4	M5x0.8	3699 04 19 84	3.5	10	10	18	7	18	0.011
	G1/8	3699 04 10 84	5.5	13	10	17	7	18	0.014
	G1/4	3699 04 13 84	6.5	16	10	17.5	7	18	0.019
6	G1/8	3699 06 10 84	5.5	13	12	19	8	21.5	0.018
	G1/4	3699 06 13 84	6.5	16	12	19.5	8	21.5	0.022
8	G1/8	3699 08 10 84	5.5	13	15	20.5	10	23.5	0.021

The body swivels for positioning purposes.

3602 Equal Elbow

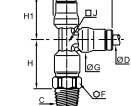
Low lead brass, FKM



ØD			G	L	Kg
4	3602 04 00 84		10	23	0.010

3603 Stud Run Tee, Male BSPT Thread

Low lead brass, FKM

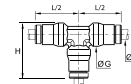


ØD	C		F	G	H	H1	J	L	Kg
4	R1/8	3603 04 10 84	10	10	19.5	18	7	23	0.018

The body swivels for positioning purposes.

3604 Equal Tee

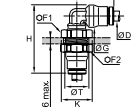
Low lead brass, FKM



ØD			G	H	L/2	Kg
4	3604 04 00 84		10	23	18	0.014
6	3604 06 00 84		12	28	21.5	0.023

3639 Equal Bulkhead Elbow

Low lead brass, FKM



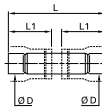
ØD			F1	F2	G	H	K	L	ØT min	Kg
4	3639 04 00 84		13	14	10	35	14	18	12.5	0.023

The body swivels for positioning purposes.

Low Lead Brass LF 3600 Push-In Fittings

3620 Male Stem Connector

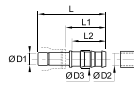
Low lead brass



ØD		L	L1	Kg
4	3620 04 00 84	31	14	0.002
6	3620 06 00 84	36.5	17	0.005

3622 Plug-In Barb Connector

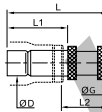
Low lead brass



ØD1	ØD2	ØD3		L	L1	L2	Kg
4	3.2	5	3622 04 53 84	40.5	27	22.5	0.003

3626 Blanking Plug

Low lead brass



ØD		G	L	L1	L2	Kg
4	3626 04 00 84	6	25.5	17.5	11.5	0.004

Related Products

- Polyurethane Tubing
- Polyamide Tubing
- Polyethylene Tubing
- Fluoropolymer Tubing
- Anti-Spark Tubing
- Fireproof PA Tubing
- Brass Flow Control Regulators

LF 3800 Push-In Fittings / Stud Fittings



Made of 316L stainless steel, this range is suitable for conveying corrosive or food fluids, in aggressive environments or for high hygiene requirements.

Ø metric: 4 to 12 mm
Ø inch: 3/16" to 1/2"

Technical Characteristics

- **Compatible Fluids:** All fluids compatible with the fitting component materials
- **Working Pressure:** Vacuum to 30 bar (20 bar: 3879 and 3889)
- **Working Temperature:** -25°C to +150°C

Adaptor Tightening Torque	Threads	M5 x0.8	G1/8	G1/4	G3/8	G1/2
	daN.m	0.16	0.8	1.2	3	3.5

Bulkhead Tightening Torque	Ø (mm)	4	6	8	10	12
	daN.m min. max.		0.5 0.9	0.5 0.9	0.6 1	0.6 1

Reliable performance is dependent upon the type of fluid conveyed, component materials and tubing being used.

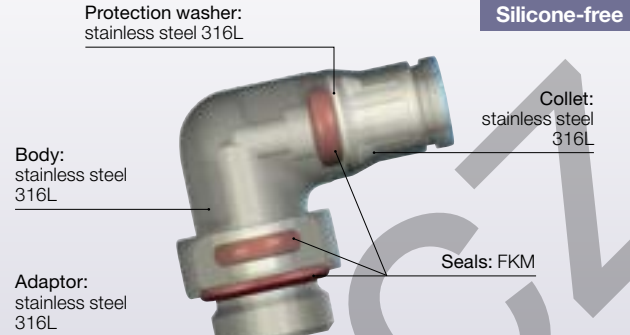
Use is guaranteed with a vacuum of 755 mm Hg (99% vacuum).

Technical performance tested at -25°C according to the ISO 14743 standard.

Regulations

- ISO 14743
- RoHS
- REACH
- FDA : 21 CFR
- PED

Component Materials

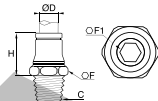


Advantages

- Resistance to corrosion thanks to the component material
- Suitable for permanent food contact
- Suitable for industrial cleaning agents and detergents
- Hygienic external design, for reducing retention zones

3805 Stud Fitting, Male BSPT Thread

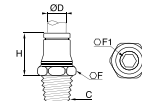
Stainless steel 316L, FKM



ØD	C		F	F1	H	Kg
4	R1/8	3805 04 10	10	3	14.5	0.008
	R1/4	3805 04 13	14	3	14.5	0.015
6	R1/8	3805 06 10	13	4	18	0.012
	R1/4	3805 06 13	14	4	16.5	0.018
	R1/8	3805 08 10	15	5	19	0.014
8	R1/4	3805 08 13	15	6	18	0.018
	R3/8	3805 08 17	17	6	18.5	0.025
10	R1/4	3805 10 13	19	6	24	0.029
	R3/8	3805 10 17	19	6	22.5	0.030
12	R1/4	3805 12 13	22	7	25	0.034
	R3/8	3805 12 17	22	8	24	0.040
	R1/2	3805 12 21	22	10	23	0.046

3805 Stud Fitting, Male NPT Thread

Stainless steel 316L, FKM



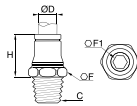
ØD	C		F	F1	H	Kg
4	NPT1/8	3805 04 11	11	3	14.5	0.009
	NPT1/8	3805 06 11	13	4	18	0.012
6	NPT1/4	3805 06 14	14	4	16.5	0.017
	NPT1/8	3805 08 11	15	5	19	0.015
8	NPT1/4	3805 08 14	15	6	18	0.018
	NPT1/4	3805 10 14	19	6	24	0.028
10	NPT3/8	3805 10 18	19	7	22.5	0.031
	NPT1/4	3805 12 14	22	7	25	0.034
12	NPT3/8	3805 12 18	22	8	24	0.039
	NPT1/2	3805 12 22	22	10	23	0.045

LF 3800 Push-In Fittings / Stud Fittings

3805 Stud Fitting, Male NPT Thread

Inch

Stainless steel 316L, FKM

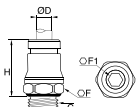


ØD	C		F	F1	H	Kg
3/16	NPT1/8	3805 55 11	10	3	15.5	0.010
	NPT1/8	3805 56 11	13	4	19	0.012
1/4	NPT1/4	3805 56 14	14	4	17.5	0.017
	NPT1/4	3805 60 14	19	6	25	0.029
3/8	NPT3/8	3805 60 18	19	7	24	0.031
	NPT1/4	3805 62 14	22	7	26	0.036
1/2	NPT3/8	3805 62 18	22	8	25	0.041
	NPT1/2	3805 62 22	22	10	25	0.049

5/32" (4 mm) and 5/16" (8 mm) also available

3801 Stud Fitting, Male BSPP and Metric Thread

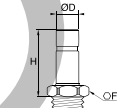
Stainless steel 316L, FKM



ØD	C		F	F1	H	Kg
4	M5x0.8	3801 04 19	10	2.5	17	0.005
	G1/8	3801 04 10	13	3	16.5	0.009
6	M5x0.8	3801 06 19	13	2.5	20.5	0.010
	G1/8	3801 06 10	13	4	18	0.010
6	G1/4	3801 06 13	17	4	18	0.015
	G1/8	3801 08 10	15	5	19	0.013
8	G1/4	3801 08 13	17	5	20.5	0.017
	G3/8	3801 08 17	21	6	20	0.027
10	G1/4	3801 10 13	19	7	25	0.025
	G3/8	3801 10 17	21	7	25	0.034
12	G1/4	3801 12 13	21	7	27	0.030
	G3/8	3801 12 17	21	9	26.5	0.034

3821 Stud Standpipe, Male BSPT Thread

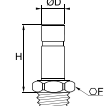
Stainless steel 316L



ØD	C		F	H	Kg
4	R1/8	3821 04 10	10	21	0.006
	R1/8	3821 06 10	10	23	0.007
6	R1/4	3821 06 13	14	24	0.015
	R1/8	3821 08 10	11	24	0.008
8	R1/4	3821 08 13	14	25	0.016
	R1/4	3821 10 13	19	30	0.017
10	R3/8	3821 10 17	19	30	0.022
	R1/4	3821 12 13	19	31	0.017
12	R3/8	3821 12 17	19	31	0.022
	R1/2	3821 12 21	22	32	0.037

3821 Stud Standpipe, Male NPT Thread

Stainless steel 316L

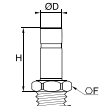


ØD	C		F	H	Kg
4	NPT1/8	3821 04 11	10	21	0.006
	NPT1/8	3821 06 11	10	23	0.007
6	NPT1/4	3821 06 14	14	24	0.016
	NPT1/8	3821 08 11	14	24	0.008
8	NPT1/4	3821 08 14	14	25	0.016
	NPT1/4	3821 10 14	14	30	0.018
10	NPT3/8	3821 10 18	17	30	0.010
	NPT1/4	3821 12 14	14	31	0.018

3821 Stud Standpipe, Male NPT Thread

Inch

Stainless steel 316L

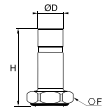


ØD	C		F	H	Kg
1/4	NPT1/8	3821 56 11	10	26	0.009
	NPT1/4	3821 56 14	14	27	0.016
3/8	NPT1/4	3821 60 14	19	32	0.018
	NPT3/8	3821 60 18	19	32	0.028
1/2	NPT1/4	3821 62 14	19	36	0.020
	NPT3/8	3821 62 18	19	37	0.025
1/2	NPT1/2	3821 62 22	22	37	0.042

5/32"(4 mm) and 5/16"(8 mm) also available

3831 Stud Standpipe, Male BSPP and Metric Thread

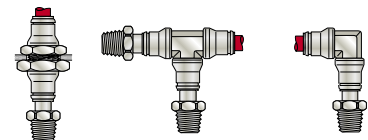
Stainless steel 316L, FKM



ØD	C		F	H	Kg
4	M5x0.8	3831 04 19	10	23.5	0.004
	G1/8	3831 04 10	13	22	0.008
6	G1/8	3831 06 10	13	24	0.009
	G1/4	3831 06 13	17	24	0.015
8	G1/8	3831 08 10	13	25	0.010
	G1/4	3831 08 13	17	27	0.019
8	G3/8	3831 08 17	21	27	0.024
	G1/4	3831 10 13	17	32	0.021
10	G3/8	3831 10 17	21	32	0.025
	G1/4	3831 12 13	17	33	0.021
12	G3/8	3831 12 17	21	33	0.028
	G1/2	3831 12 21	24	36	0.043

Stud standpipe 3821 and 3831 can be used as illustrated, allowing:

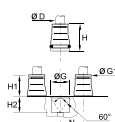
- stock optimisation
- installation of tees and elbows where required



LF 3800 Push-In Fittings / Stud Fittings

3800 Cartridge

Stainless steel 316L, FKM

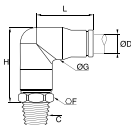


ØD		G	G1	H	H1	H2	N	Kg
4	3800 04 00	9.8	8	17	8.5	8.5	11	0.006
6	3800 06 00	12.1	10	19	10.5	8.5	13.5	0.008
8	3800 08 00	14.8	13	21	12.5	8.5	16	0.012
10	3800 10 00	17.5	15	24.5	14	10.5	20	0.019

Cavity dimensions available on request

3809 Stud Elbow, Male BSPT Thread

Stainless steel 316L, FKM

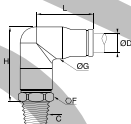


ØD	C	F	G	H	L	Kg
4	R1/8 3809 04 10	10	10	23.5	16.5	0.020
	R1/8 3809 06 10	13	12	27.5	20	0.030
6	R1/4 3809 06 13	14	12	27.5	25	0.036
	R1/8 3809 08 10	14	15	32	25	0.040
8	R1/4 3809 08 13	14	14.5	34	25	0.045
	R1/4 3809 10 13	19	17.5	37.5	27.5	0.068
10	R3/8 3809 10 17	19	17.5	37.5	27.5	0.069

The body swivels for positioning purposes.

3809 Stud Elbow, Male NPT Thread

Stainless steel 316L, FKM

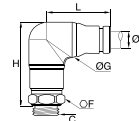


ØD	C	F	G	H	L	Kg
6	NPT1/8 3809 06 11	13	12.5	29	22.5	0.031
	NPT1/4 3809 06 14	14	12.5	29	22.5	0.036
8	NPT1/8 3809 08 11	14	15	34	24	0.040
	NPT1/4 3809 08 14	14	15	34	24	0.045
10	NPT1/4 3809 10 14	19	17.5	39.5	30	0.068
	NPT3/8 3809 10 18	19	17.5	39.5	30	0.071

The body swivels for positioning purposes.

3899 Stud Elbow, Male BSPP and Metric Thread

Stainless steel 316L, FKM

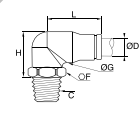


ØD	C	F	G	H	L	Kg
4	M5x0.8 3899 04 19	10	10	26	18	0.020
	G1/8 3899 04 10	13	10	27	19	0.022
	G1/4 3899 04 13	17	10	27	19	0.018
6	M5x0.8 3899 06 19	13	12	33	24	0.031
	G1/8 3899 06 10	6	12	33	24	0.031
	G1/4 3899 06 13	17	12	32	24	0.036
8	G1/8 3899 08 10	14	15	35	25	0.039
	G1/4 3899 08 13	17	15	35	25	0.044
	G3/8 3899 08 17	21	15	34.5	25	0.048
10	G1/4 3899 10 13	19	17	43	31	0.069
	G3/8 3899 10 17	21	17	42	31	0.072

The body swivels for positioning purposes.

3889 Compact Stud Elbow, Male BSPT Thread

Stainless steel 316L, FKM

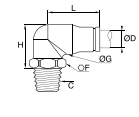


ØD	C	F	G	H	L	Kg
4	R1/8 3889 04 10	13	10	18	17	0.019
	R1/4 3889 04 13	17	10	19.5	16.5	0.018
6	R1/8 3889 06 10	13	12	21.5	20.5	0.025
	R1/4 3889 06 13	14	12	21.5	20.5	0.032
8	R1/8 3889 08 10	14	15	24	22	0.036
	R1/4 3889 08 13	14	15	24	22	0.036
10	R1/4 3889 10 13	17	17.5	28.5	27.5	0.058
	R3/8 3889 10 17	19	17.5	28.5	27.5	0.068
12	R1/4 3889 12 13	22	20	33.5	30	0.088
	R3/8 3889 12 17	22	20	33.5	30	0.090
	R1/2 3889 12 21	22	20	33.5	33	0.097

The body swivels for positioning purposes. Max. 20 bar

3889 Compact Male Stud Elbow, Male NPT Thread

Stainless steel 316L, FKM



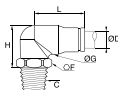
ØD	C	F	G	H	L	Kg
4	NPT1/8 3889 04 11	13	10	17.5	19	0.019
6	NPT1/8 3889 06 11	13	12.5	20	22.5	0.026
	NPT1/4 3889 06 14	14	12.5	20	22.5	0.033
8	NPT1/8 3889 08 11	13	15	25	24	0.036
	NPT1/4 3889 08 14	14	15	24	24	0.036
10	NPT1/4 3889 10 14	17	17.5	27.5	27.5	0.059
	NPT3/8 3889 10 18	19	17.5	28.5	26.5	0.068
12	NPT1/4 3889 12 14	22	20	31.5	32.5	0.086
	NPT3/8 3889 12 18	22	20	32.5	32.5	0.089
	NPT1/2 3889 12 22	22	20	27.5	32.5	0.098

The body swivels for positioning purposes. Max. 20 bar

LF 3800 Push-In Fittings / Stud Fittings

3889 Compact Stud Elbow, Male NPT Thread Inch

Stainless steel 316L, FKM

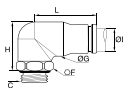


ØD	C		F	G	H	L	Kg
1/4	NPT1/8	3889 56 11	13	12	22	23	0.025
	NPT1/4	3889 56 14	14	12	22	23	0.032
3/8	NPT1/4	3889 60 14	17	17.5	28	30.5	0.058
	NPT3/8	3889 60 18	19	17.5	28	30.5	0.066
1/2	NPT1/4	3889 62 14	22	20	34	33	0.089
	NPT3/8	3889 62 18	22	20	34	33	0.089
	NPT1/2	3889 62 22	22	20	27	33	0.091

The body swivels for positioning purposes. Max. 20 bar.
5/32" (4 mm) and 5/16" (8 mm) also available.

3879 Compact Stud Elbow, Male BSPP Thread

Stainless steel 316L, FKM

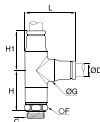


ØD	C		F	G	H	L	Kg
4	G1/8	3879 04 10	13	11	22	19	0.022
	G1/4	3879 04 13	17	11	20	19	0.027
6	G1/8	3879 06 10	13	12	24	24	0.029
	G1/4	3879 06 13	17	12	22	24	0.034
8	G1/8	3879 08 10	13	15	25	25	0.035
	G1/4	3879 08 13	17	15	25	25	0.039
10	G3/8	3879 08 17	21	15	23	25	0.047
	G1/4	3879 10 13	18	17	28.5	31	0.057
12	G3/8	3879 10 17	21	17	28.5	31	0.065
	G1/4	3879 12 13	17	20	33	33	0.077
12	G3/8	3879 12 17	21	20	33	33	0.084
	G1/2	3879 12 21	24	20	30	33	0.096

The body swivels for positioning purposes. Max. 20 bar

3893 Stud Run Tee, Male BSPP and Metric Thread

Stainless steel 316L, FKM



ØD	C		F	G	H	H1	L	Kg
8	G3/8	3893 08 17	21	15	27	25	35.5	0.094

The body swivels for positioning purposes.

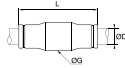
LF 3800 push-in fittings allow connection with several types of Parker tubing shown in Chapter 3 of this catalogue, "Technical Tubing and Hose":

- PFA tubing
- Fluoropolymer tubing
- Polyethylene tubing
- Semi-rigid polyamide and flexible Crystal polyurethane tubing

LF 3800 Push-In Fittings / Tube-to-Tube Fittings

3806 Equal Tube-to-Tube Connector

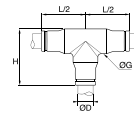
Stainless steel 316L, FKM



ØD		G	L	Kg
4	3806 04 00	10	29	0.009
6	3806 06 00	12	34	0.015
8	3806 08 00	15	36	0.019
10	3806 10 00	17.5	45	0.032
12	3806 12 00	20	46.5	0.040

3804 Equal Tee

Stainless steel 316L, FKM

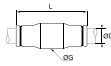


ØD		G	H	L/2	Kg
4	3804 04 00	10	22	19	0.020
6	3804 06 00	12	26	24	0.031
8	3804 08 00	15	29.5	25	0.040
10	3804 10 00	17.5	36.5	31	0.063
12	3804 12 00	20	40	33	0.087

3806 Equal Tube-to-Tube Connector

Inch

Stainless steel 316L, FKM



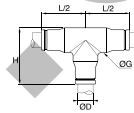
ØD		G	L	Kg
3/16	3806 55 00	11	31	0.010
1/4	3806 56 00	12	36	0.015
3/8	3806 60 00	17	47	0.030
1/2	3806 62 00	20	48	0.039

5/32" (4 mm) and 5/16" (8 mm) also available

3804 Equal Tee

Inch

Stainless steel 316L, FKM

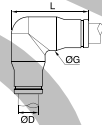


ØD		G	H	L/2	Kg
1/4	3804 56 00	12	30	23	0.031
3/8	3804 60 00	17	38	29	0.059
1/2	3804 62 00	20	43	33	0.088

5/32" (4 mm) and 5/16" (8 mm) also available

3802 Equal Elbow

Stainless steel 316L, FKM

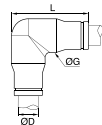


ØD		G	L	Kg
4	3802 04 00	10	21.5	0.015
6	3802 06 00	12	26.5	0.024
8	3802 08 00	15	29.5	0.031
10	3802 10 00	17.5	36.5	0.050
12	3802 12 00	20	40	0.071

3802 Equal Stud Elbow

Inch

Stainless steel 316L, FKM



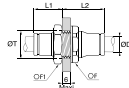
ØD		G	L	Kg
1/4	3802 56 00	12	29	0.023
3/8	3802 60 00	17	38	0.047
1/2	3802 62 00	20	43	0.071

5/32" (4 mm) and 5/16" (8 mm) also available

LF 3800 Push-In Fittings

3816 Equal Bulkhead Connector

Stainless steel 316L, FKM

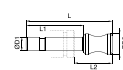


ØD		F	F1	L1	L2	ØT	Kg
4	3816 04 00	13	14	13.5	19.5	13	0.017
6	3816 06 00	17	17	16.5	21.5	14	0.027
8	3816 08 00	19	19	18	24	16	0.034
10	3816 10 00	22	22	21.5	27.5	21	0.048
12	3816 12 00	24	24	24	29	23	0.059

IP55 sealing

3826 Blanking Plug

Stainless steel 316L

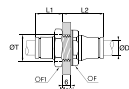


ØD1	ØD2		L	L1	L2	Kg
4	6	3826 04 00	25	17	11	0.003
6	8	3826 06 00	30.4	19.5	13.5	0.007
8	10	3826 08 00	38	20	14	0.014
10	12	3826 10 00	40	25	17	0.025
12	14	3826 12 00	43	26	19	0.039

3816 Equal Bulkhead Connector

Inch

Stainless steel 316L, FKM



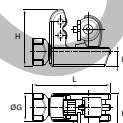
ØD		F	F1	L1	L2	ØT	Kg
3/16	3816 55 00	17	13	15	18	12.5	0.017
1/4	3816 56 00	19	17	19	21	15	0.027
3/8	3816 60 00	22	22	22	27	21	0.052
1/2	3816 62 00	27	27	25	28	25	0.076

IP55 sealing

5/32" (4 mm) and 5/16" (8 mm) also available

3800 Pre-Grooving Tool for Metallic Tubing

Treated steel

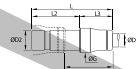


	G	H	H1	K	L	Kg
3800 70 00	25	51	13	36	70	0.326

This tool correctly pre-grooves 4-12 mm O.D. and 3/16"-1/2" O.D. stainless steel tubing, to ensure that the LF 3800 collet grips the tube securely.

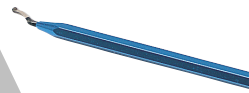
3866 Push-In Reducer

Stainless steel 316L, FKM



ØD1	ØD2		G	L	L1	L2	L3	Kg
4	6	3866 04 06	10	35	19	19	16	0.008
4	8	3866 04 08	10	34	17	20	14	0.011
6	8	3866 06 08	12	42	24	23	19	0.015
6	10	3866 06 10	12	41	19	25	16	0.019
8	10	3866 08 10	15	45	22.5	25	20	0.021
8	12	3866 08 12	15	43	20	26	17	0.025
10	12	3866 10 12	17	50	23	26	24	0.029

6698 Deburring Tool for Rigid Aluminium Pipe



	L	Kg
6698 04 02	140	0.026

LF 6800 Push-In Fittings



Push-in fittings with reinforced cleanliness, for medical applications, bio-medical equipment, breathing systems, diagnosis devices, pharmaceutical process in accordance with the standards of the field of application.

Ø metric:
4 to 12 mm

Technical Characteristics

- **Compatible Fluids:** Breathing, neutral & pure medical gases. Other fluids: please consult us
- **Working Pressure:** Vacuum to 15 bar. Working pressure varies according to temperature (see below)
- **Working Temperature:** -10°C to +95°C

Tightening Torque (Metric & BSPP)	Thread	M5 x0.8	G1/8	G1/4	G3/8	G1/2
	daN.m		1.16	0.8	1.2	3

Reliable performance is dependent upon the type of fluid conveyed, component materials and tubing being used.

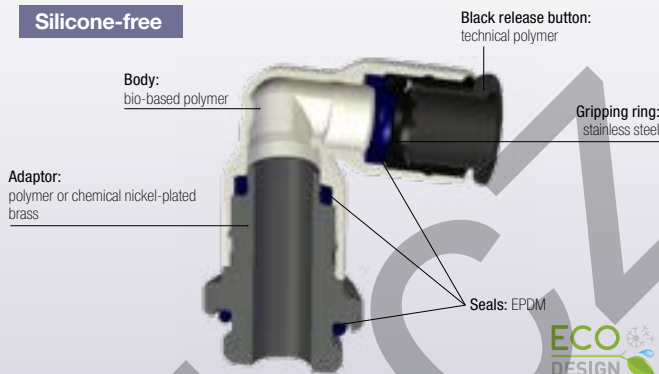
Use is guaranteed with a vacuum of 755 mm Hg (99% vacuum).

Advantages

- Compatibility with ASTM standards
- Recommended for O₂ applications and pure gases
- Bisphenol and phthalate-free

Component Materials

Silicone-free



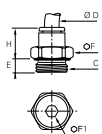
Regulations

- RoHS
- REACH

BAM: Grease certification residue

6801 Stud Fitting, Male BSPP and Metric Thread

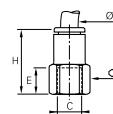
Chemical nickel-plated brass, EPDM



ØD	C		E	F	F1	H	Kg
4	M5x0.8	6801 04 19	3	8	2.5	14	0.003
	G1/8	6801 04 10	5.5	13	3	11.5	0.007
	G1/4	6801 04 13	5.5	16	3	10.5	0.011
6	M5x0.8	6801 06 19	3	10	2.5	16	0.005
	G1/8	6801 06 10	4.5	13	4	13	0.007
	G1/4	6801 06 13	5.5	16	4	12.5	0.011
8	G1/8	6801 08 10	4.5	13	5	20.5	0.011
	G1/4	6801 08 13	5.5	16	6	19.5	0.016
	G3/8	6801 08 17	5.5	20	6	18	0.022
10	G1/4	6801 10 13	5.5	16	7	23	0.018
	G3/8	6801 10 17	5.5	20	8	19.5	0.021
	G1/2	6801 10 21	7	24	8	18	0.033
12	G3/8	6801 12 17	5.5	20	9	27	0.029
	G1/2	6801 12 21	7	24	10	22.5	0.035

6814 Stud Fitting, Female BSPP Thread

Chemical nickel-plated brass, EPDM



ØD	C		E	F	H	Kg
4	G1/8	6814 04 10	9.5	13	22.5	0.010
	G1/4	6814 06 10	9.5	13	24.5	0.011
6	G1/4	6814 06 13	13.5	16	28.5	0.017
	G1/8	6814 08 10	9.5	13	29	0.015
8	G1/4	6814 08 13	13.5	16	33	0.021
	G3/8	6814 08 17	14	19	34	0.025
	G1/4	6814 10 13	13.5	16	36	0.027
10	G3/8	6814 10 17	14	19	36	0.027
	G1/2	6814 10 21	19.5	24	41.5	0.048
12	G3/8	6814 12 17	14	19	40	0.033
	G1/2	6814 12 21	19.5	24	45.5	0.052

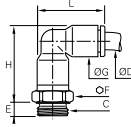
Applications Overview for Medical and Clean Room Environments



LF 6800 Push-In Fittings

6899 Stud Elbow, Male BSPP and Metric Thread

Bio-based polymer, chemical nickel-plated brass, EPDM

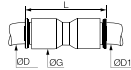


ØD	C		E	F	G	H	L	Kg
4	M5x0.8	6899 04 19	3.5	8	8.5	23	19	0.002
	G1/8	6899 04 10	4.5	13	8.5	22.5	19	0.006
	G1/4	6899 04 13	5.5	16	8.5	22.5	19	0.011
6	M5x0.8	6899 06 19	3.5	10	10.5	26.5	22.5	0.003
	G1/8	6899 06 10	4.5	13	10.5	26.5	22.5	0.006
	G1/4	6899 06 13	5.5	16	10.5	26.5	22.5	0.011
8	G1/8	6899 08 10	4.5	13	13.5	35	29.5	0.009
	G1/4	6899 08 13	5.5	16	13.5	33	29.5	0.012

The body swivels for positioning purposes.

6806 Equal Tube-to-Tube Connector

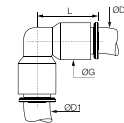
Bio-based polymer, EPDM



ØD	ØD1		G	L	Kg
4	4	6806 04 00	8.5	26.5	0.002
6	6	6806 06 00	10.5	30	0.004
8	8	6806 08 00	13.5	37	0.004
10	10	6806 10 00	16	42	0.009
12	12	6806 12 00	19	50.5	0.009

6802 Equal Elbow

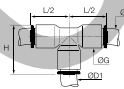
Bio-based polymer, EPDM



ØD	ØD1		G	L	Kg
4	4	6802 04 00	8.5	19	0.002
6	6	6802 06 00	10.5	24	0.004
8	8	6802 08 00	13.5	29	0.004
10	10	6802 10 00	16	34.5	0.005
12	12	6802 12 00	19	40.5	0.010

6804 Equal Tee

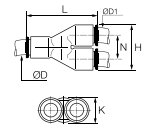
Bio-based polymer, EPDM



ØD	ØD1		G	H	L/2	Kg
4	4	6804 04 00	8.5	20	15.5	0.004
6	6	6804 06 00	10.5	23	18	0.006
8	8	6804 08 00	13.5	29	22.5	0.006
10	10	6804 10 00	16	34.5	26.5	0.009
12	12	6804 12 00	19	40	31	0.014

6840 Equal Single Y Piece

Bio-based polymer, EPDM



ØD	ØD1		H	K	L	N	Kg
4	4	6840 04 00	17.5	8.5	30	9	0.004
6	6	6840 06 00	21.5	10.5	36.5	11	0.008
8	8	6840 08 00	28	13.5	44.5	14.5	0.007
10	10	6840 10 00	33	16	53	17	0.010
12	12	6840 12 00	39	19	60.5	20	0.025

Complementary Products for LF 6800 Push-In Fittings

PU & PFA Tubing



Universal Customised Series Ball Valves, O₂ Applications



With Suffix 30

Cartridges for O₂ Applications



Upon Request Only

Function Fittings for O₂ Applications

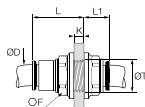


Upon Request Only

LF 6800 Push-In Fittings

6816 Equal Bulkhead Connector

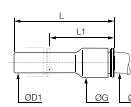
Bio-based polymer, EPDM



ØD		F	K max	L	L1	ØT min	Kg
4	6816 04 00	13	5.5	15.5	10.5	10.5	0.018
6	6816 06 00	15	8.5	20	10	12.5	0.004
8	6816 08 00	18	14.5	27	10.5	15.5	0.007
10	6816 10 00	22	14.5	30	13	18.5	0.012
12	6816 12 00	26	18.5	35	15.5	22.5	0.020

6866 Plug-In Reducer

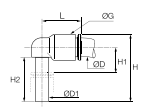
Bio-based polymer, EPDM



ØD	ØD1		G	L	L1	Kg
4	6	6866 04 06	8.5	38	23.5	0.004
6	8	6866 06 08	10.5	38	20	0.004
	10	6866 06 10	10.5	39	17.5	0.002
8	10	6866 08 10	13.5	48.5	28.5	0.009
	12	6866 08 12	13.5	48.5	24.5	0.004

6882 Equal and Unequal Plug-In Elbow

Bio-based polymer, EPDM

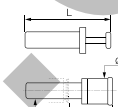


ØD	ØD1		G	H	H1	H2	L	Kg
4	4	6882 04 00	8.5	23	6	15.5	15	0.005
	6	6882 04 06	10.5	26.5	7	17	16.5	0.002
6	6	6882 06 00	10.5	26.5	7	17	17	0.003
	8	6882 06 08	13.5	33.5	8	21.5	22.5	0.004
8	8	6882 08 00	13.5	33.5	8	21.5	22.5	0.004

The reference in diameter 4mm is not grooved in standard version

6826 Blanking Plug

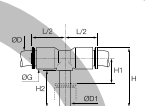
Bio-based polymer



ØD		G	L	L1	Kg
4	6826 04 00	6	30	15.5	0.001
6	6826 06 00	8	33	16.5	0.001
8	6826 08 00	10	35	17.5	0.002
10	6826 10 00	12	42	21	0.003
12	6826 12 00	14	45	22	0.004

6888 Plug-In Equal Branch Tee

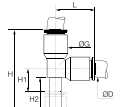
Bio-based polymer, EPDM



ØD	ØD1		G	H	H1	H2	L/2	L	Kg
4	4	6888 04 00	8.5	25	6	15.5	15	0.005	
6	6	6888 06 00	10.5	28.5	7	17	16	0.006	
8	8	6888 08 00	13.5	33.5	8	21.5	23	0.005	

6883 Plug-In Equal Run Tee

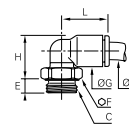
Bio-based polymer, EPDM



ØD	ØD1		G	H	H1	H2	L	Kg
4	4	6883 04 00	8.5	33	6	15.5	15	0.002
6	6	6883 06 00	10.5	38.5	7	17	18	0.002
8	8	6883 08 00	13.5	49	8	21.5	23	0.005

6819 Stud Elbow, Male BSPP and Metric Thread

Technical polymer, Nickel-plated brass, NBR



ØD	C		E	F	G	H	L	Kg
4	M5x0.8	6819 04 19	3.5	8	8.5	13.5	14	0.002
	G1/8	6819 04 10	5	13	8.5	13	14	0.006
	G1/4	6819 04 13	5.5	16	8.5	13	14	0.011
6	M5x0.8	6819 06 19	3.5	8	10.5	15.5	16	0.003
	G1/8	6819 06 10	5	13	10.5	15	16	0.006
	G1/4	6819 06 13	5.5	16	10.5	15	16	0.011
8	G1/8	6819 08 10	4.5	13	13.5	20.5	23	0.009
	G1/4	6819 08 13	5.5	16	13.5	18.5	23	0.012
10	G1/4	6819 10 13	5.5	16	16	23.5	26.5	0.014

The body swivels for positioning purposes.
*Bi-material seal

LF 6100 Push-In Fittings



Dedicated to lubrication and vacuum systems, this technology secures the connection and sealing performance at high pressures.

Ø metric:
4 to 10 mm

Technical Characteristics

- **Compatible Fluids:** Lubricants, compressed air, vacuum, other fluids and compatible gases
- **Working Pressure:** Vacuum to 60 bar
- **Working Temperature:** -40°C to +120°C

Max./Min. Tightening Torques (daN.m)	Thread	M6 x1	M8 x1	M8 x1.25	M10 x1	M12 x1	M14 x1.5	R 1/8	R 1/4
	Taper	0.2/0.6	0.2/1.2	0.2/1	0.2/1.2	0.2/2	0.5/1.5	0.2/1.0	0.5/1.5
	Parallel	-	0.6/1	-	0.6/1	1.8/2.2	-	-	-

Reliable performance is dependent upon the type of fluid conveyed, component materials and tubing being used.

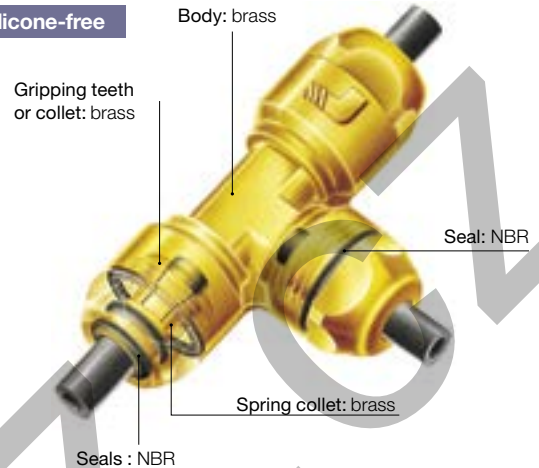
Use is guaranteed with a vacuum of 755 mm Hg (99% vacuum).

Advantages

- Sealing guaranteed by 3 seals
- Tube cannot be disconnected without the use of a spanner
- Up to 60 bar, with rigid polymer or grooved metal tubing

Component Materials

Silicone-free

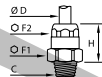


Regulations

- PED
- RoHS
- REACH

6105 Stud Fitting, Male BSPT and Taper Metric Thread

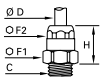
Brass, NBR



ØD	C		F1	F2	H	Kg
4	M6x1	6105 04 52	13	11	16.5	0.013
	M8x1	6105 04 56	13	11	14.5	0.012
	M8x1.25	6105 04 57	13	11	14.5	0.012
	M10x1	6105 04 60	13	11	14.5	0.015
	R1/8	6105 04 10	13	11	14.5	0.014
6	R1/4	6105 04 13	14	11	12.5	0.018
	M10x1	6105 06 60	17	14	16.5	0.024
	R1/8	6105 06 10	17	14	17.5	0.026
8	R1/4	6105 06 13	17	14	16.5	0.029
	M12x1	6105 08 65	19	21	24	0.041
10	M14x1.5	6105 10 71	22	24	26	0.005

6101 Stud Fitting, Male Parallel and Metric Thread

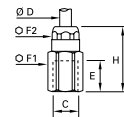
Brass, NBR



ØD	C		F1	F2	H	Kg
4	M10x1	6101 04 60	13	11	14	0.014
	M10x1	6101 06 60	17	14	17.5	0.026
6	M12x1	6101 06 65	17	14	16.5	0.025

6114 Stud Fitting, Female Metric Parallel Thread

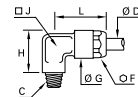
Brass, NBR



ØD	C		E	F1	F2	H	Kg
4	M8x1	6114 04 56	8	13	11	25.5	0.021
6	M8x1	6114 06 56	8	17	14	28.5	0.043

6179 Stud Elbow, Male BSPT and Taper Metric Thread

Brass, NBR

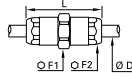


ØD	C		F	G	H	J	L	Kg
4	M6x1	6179 04 52	11	12.5	14.5	8	20	0.017
	M8x1	6179 04 56	11	12.5	14.5	8	20	0.018
	M8x1.25	6179 04 57	11	12.5	15	8	20	0.017
	M10x1	6179 04 60	11	12.5	15.5	8	20	0.019
	R1/8	6179 04 10	11	12.5	15	8	20	0.019
6	R1/4	6179 04 13	11	12.5	17	10	20	0.030
	M10x1	6179 06 60	14	16	18	10	25.5	0.033
	M12x1	6179 06 65	14	16	18	10	25.5	0.032
8	R1/8	6179 06 10	14	16	18	10	25.5	0.035
	R1/4	6179 06 13	14	16	19	10	25.5	0.036
8	M12x1	6179 08 65	17	19	17.5	12	30	0.054

LF 6100 Push-In Fittings

6106 Tube-to-Tube Connector

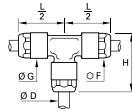
Brass, NBR



ØD		F1	F2	L	Kg
4	6106 04 00	13	11	34	0.025
6	6106 06 00	17	14	39	0.044
8	6106 08 00	19	17	46	0.069

6104 Equal Tee

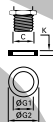
Brass, NBR



ØD		F	G	H	L/2	Kg
4	6104 04 00	11	12.5	26.5	20	0.034
6	6104 06 00	14	16	36	25.5	0.081
8	6104 08 00	17	19	39	30	0.111

0138 Copper Washer

Copper



C		G1	G2	K	Kg
M6	0138 06 00	6.2	9.9	1	0.033
M8	0138 08 00	8.2	11.4	1	0.001
G1/8	0138 10 00	10.2	13.4	1	0.001
M12	0138 12 00	12.2	15.4	1.5	0.001
M14	0138 14 00	14.2	17.9	1.5	0.001
M16	0138 16 00	16.2	19.9	1.5	0.001
M18	0138 18 00	18.2	21.9	1.5	0.001
M20	0138 20 00	20.2	23.9	1.5	0.001
M22	0138 22 00	22.2	26.9	1.5	0.002
M24	0138 24 00	24.3	28.9	2	0.003
M26	0138 26 00	26.3	30.9	2	0.003
M30	0138 30 00	30.3	37.9	2	0.004
M36	0138 36 00	36.3	41.9	2	0.005
G1/4	0138 13 00	13.2	17.9	1.5	0.001
G3/8	0138 17 00	17.2	20.9	1.5	0.001
G1/2	0138 21 00	21.1	25.9	1.5	0.002
G3/4	0138 27 00	27.3	31.9	2	0.003
G1	0138 33 00	33.3	38.9	2	0.005
G1 1/4	0138 42 00	42.3	48.9	2	0.007
G2	0138 60 00	60.5	67.8	2.5	0.014

DIN 7603
ISO 65061

Accessories for Push-In Fittings



These accessories are designed to improve safety and circuit identification.

Ø metric: 4 to 16 mm
Ø inch: 1/4" to 1/2"

Technical Characteristics

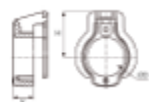
- **Compatible Ranges:** LF 3000®, LIQUIfit®
- **Working Temperature:** -20°C to +95°C
- **Component Materials:** Tamper-proof safety clip, release button cover, clip: technical polymer

Advantages

- Safety:**
- Protection of operators and equipment
 - Prevents accidental disconnection
- Identification:**
- 6 colour coding for fluid circuit identification
 - Easy disconnection with dismantling tool

3130 Tamper-Proof Safety Clip

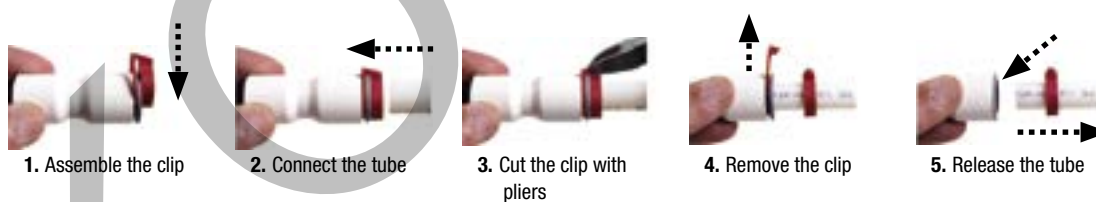
Technical polymer



ØD							H	K	Kg
4		3130 04 02	3130 04 03	3130 04 04	3130 04 05		6.6	3	0.001
6	3130 06 01		3130 06 03	3130 06 04	3130 06 05	3130 06 10	7.8	3.1	0.001
8	3130 08 01	3130 08 02	3130 08 03	3130 08 04	3130 08 05	3130 08 10	9.5	4.3	0.001
10	3130 10 01	3130 10 02	3130 10 03	3130 10 04	3130 10 05	3130 10 10	10.8	4.2	0.002
12	3130 12 01		3130 12 03	3130 12 04	3130 12 05	3130 12 10	12.5	5.1	0.003
14	3130 14 01		3130 14 03				15	6	0.004
16			3130 16 03				27	1.7	0.004
1/4	3130 56 01		3130 56 03	3130 56 04		3130 56 10	8	3	0.001
3/8	3130 60 01						11	4	0.001
1/2			3130 62 03	3130 62 04			14	6	0.004

Installation Process

Tamper-Proof Safety Clip



Coloured Release Button Covers

Coloured release button covers can be mounted on LF 3000® and LIQUIfit® fittings, supplied fitted with manual release buttons.

5 colours are available and allows colour coding to be used throughout circuits.



Disconnection Tool

In cases where access is difficult, this tool can be particularly useful.



Clip Strips

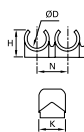
Clips are also designed to fix LF 3000® fittings in series within a minimum of space.



Accessories for Push-In Fittings

CLIP Clip Strip for Tubing and Fittings

Technical polymer

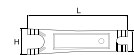


ØD		Number of Outlets	H	K	N	Kg
4	CLIP 04 00	8	9	13.5	10.5	0.007
6	CLIP 06 00	8	10.5	13	10.5	0.008
8	CLIP 08 00	7	12.5	10.5	12	0.007
10	CLIP 10 00	6	14	12	15	0.005
12	CLIP 12 00	5	16.5	14	16.5	0.009
14	CLIP 14 00	4	18	16	20.5	0.009

Delivered in boxes of 10 strips of the same diameter (complete with self-tapping screws of 9,5 mm length) These clips can be used with metric or inch tubing.

3000 70 Disconnection Tool

Treated steel



	H	H1	L	Kg
3000 70 00	25	20	96	0.021

For disconnecting LF 3000® tubing/fittings where access is difficult, we recommend the use of this disconnection tool.

3110 Coloured Release Button Covers

Technical polymer



ØD	○	●	●	●	●	Kg
4	3110 04 00	3110 04 02	3110 04 03	3110 04 04	3110 04 05	0.001
6	3110 06 00	3110 06 02	3110 06 03	3110 06 04	3110 06 05	0.001
8	3110 08 00	3110 08 02	3110 08 03	3110 08 04	3110 08 05	0.001
10	3110 10 00	3110 10 02	3110 10 03	3110 10 04	3110 10 05	0.001
12	3110 12 00	3110 12 02	3110 12 03	3110 12 04	3110 12 05	0.001
14	3110 14 00	3110 14 02	3110 14 03	3110 14 04		0.002
1/4		3110 56 02	3110 56 03	3110 56 04		0.001
3/8	3110 60 00			3110 60 04	3110 60 05	0.001

0605 Fluoropolymer Tape

FKM



	Kg
0605 12 12	0.012

Can be used for temperatures from - 250°C to +260°C.
Chemically inert and resistant to gases, acids, solvents, hydrocarbons, oils, alkalines, steam etc.
Non-toxic, waterproof, self-lubricating. In accordance with CFR21. Can be used on all materials.
Used to facilitate the preparation of leak-free threaded joints.
Supplied on a reel, length = 12 m, width = 12.7 mm, thickness 0.08 mm.