

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.

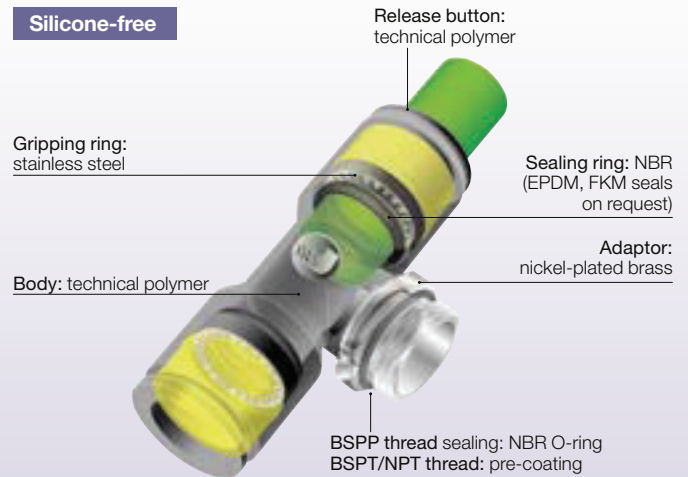
Use is guaranteed with a vacuum of 755 mm Hg (99% vacuum).

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

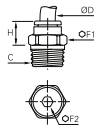


Regulations

- ISO 14743
- PED
- RoHS
- REACH

3175 Stud Fitting, Male BSPT Thread

Nickel-plated brass, NBR

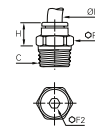


ØD	C		F1	F2	H	Kg
4	R1/8	3175 04 10	10	3	9.5	0.005
	R1/4	3175 04 13	14	3	6.5	0.011
	R3/8	3175 04 17	17	3	8	0.024
6	R1/8	3175 06 10	11	4	11.5	0.005
	R1/4	3175 06 13	14	4	8.5	0.011
	R3/8	3175 06 17	17	4	8.5	0.021
8	R1/2	3175 06 21	21	4	9	0.043
	R1/8	3175 08 10	13	5	20	0.011
	R1/4	3175 08 13	14	6	17	0.014
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



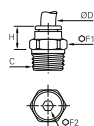
ØD	C		F1	F2	H	Kg
6	NPT1/8	3175 06 11	11	4	11.5	0.006
	NPT1/4	3175 06 14	14	4	8.5	0.012
10	NPT1/4	3175 10 14	16	7	20	0.018
	NPT3/8	3175 10 18	18	8	16.5	0.023
12	NPT1/2	3175 10 22	22	8	14	0.038
	NPT3/8	3175 12 18	19	9	24	0.030
	NPT1/2	3175 12 22	22	10	19.5	0.037

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

3175 Stud Fitting, Male NPT Thread

Inch

Nickel-plated brass, NBR



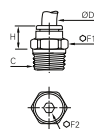
ØD	C		F1	F2	H	Kg
1/8	NPT1/8	3175 53 11	11	2	7.2	0.006
	NPT1/4	3175 53 14	14	2	8	0.015
	NPT1/8	3175 56 11	11	4	11.9	0.007
1/4	NPT1/4	3175 56 14	14	4	9.4	0.013
	NPT3/8	3175 56 18	18	5	7.6	0.024
3/8	NPT1/8	3175 60 11	16	4	22.7	0.019
	NPT1/4	3175 60 14	16	7	20.5	0.019
1/2	NPT3/8	3175 62 18	22	9.5	25.9	0.048
	NPT1/2	3175 62 22	24	9.5	22.1	0.064

Pre-coated thread

3175 Stud Fitting, Male BSPT Thread

Inch

Nickel-plated brass, NBR

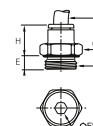


ØD	C		F1	F2	H	Kg
1/8	R1/8	3175 53 10	11	3	8.5	0.005
3/16	R1/8	3175 55 10	11.1	3.2	15.5	0.009
	R1/4	3175 55 13	14.3	4	15	0.020
1/4	R1/8	3175 56 10	11	4	12	0.006
	R1/4	3175 56 13	14	4	9.5	0.021
3/8	R1/4	3175 60 13	16	7	20.5	0.018
	R3/8	3175 60 17	17	7	16.5	0.019
1/2	R1/2	3175 60 21	21	7	14	0.037
	R1/4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

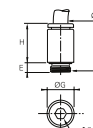


ØD	C		E	F1	F2	H	Kg
3	M3x0.5	3101 03 09*	2.5	8		12.5	0.003
	M5x0.8	3101 03 19	3.5	8	2.5	12.5	0.004
4	M3x0.5	3101 04 09*	2.5	8		14.5	0.003
	M5x0.8	3101 04 19	3	9	2.5	14	0.004
	M7x1	3101 04 55	5	10	2.5	14	0.004
	G1/8	3101 04 10	5	13	3	11.5	0.007
6	G1/4	3101 04 13	5.5	16	3	10.5	0.011
	M5x0.8	3101 06 19	3.5	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
	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
8	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
	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
10	G1/2	3101 08 21	7	24	6	16.5	0.038
	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
12	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
14	G1/2	3101 12 21	7	24	11	22.5	0.035
	G3/8	3101 14 17	5.5	22	9	29.5	0.041
16	G1/2	3101 14 21	7	24	11	28	0.046
	G3/8	3101 16 17	7.5	27	9	32.5	0.061
	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

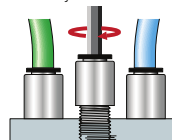
Nickel-plated brass, NBR



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.

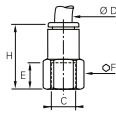
They can be easily installed with an Allen key without the need of a spanner.



LF 3000® Push-In Fittings / Stud Fittings

3114 Stud Fitting, Female BSPP and Metric Thread

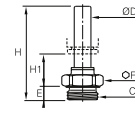
Nickel-plated brass, NBR



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

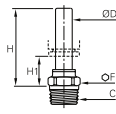
Technical polymer, Nickel-plated brass, NBR



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

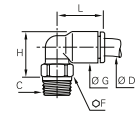


ØD	C		F	H	H1	Kg
4	R1/8	3121 04 10	10	26	14	0.005
	R1/4	3121 04 13	14	26.5	14.5	0.014
6	R1/8	3121 06 10	10	28	14	0.005
	R1/4	3121 06 13	14	28.5	14.5	0.014
8	R1/8	3121 08 10	10	29.5	11	0.005
	R1/4	3121 08 13	14	28.5	10	0.012
	R1/4	3121 10 13	15	36	15.5	0.012
10	R3/8	3121 10 17	17	36	15.5	0.017
	R1/2	3121 10 21	21	36	15.5	0.032
12	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
	R3/8	3109 04 17	17	8.5	13.5	14	0.019
6	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
	R3/8	3109 06 17	17	10.5	16	16	0.020
8	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
	R1/4	3109 08 13	14	13.5	18	23	0.014
10	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
	R1/8	3109 10 10	15	16	23	26.5	0.012
12	R1/4	3109 10 13	15	16	22	26.5	0.014
	R3/8	3109 10 17	17	16	22	26.5	0.020
	R1/2	3109 10 21	21	16	22	26.5	0.034
14	R1/4	3109 12 13	15	19	25	31	0.016
	R3/8	3109 12 17	17	19	25	31	0.022
	R1/2	3109 12 21	21	19	25	31	0.037
16	R3/8	3109 14 17	20	22	30.5	35.5	0.031
	R1/2	3109 14 21	24	22	28.5	35.5	0.042
16	R3/8	3109 16 17	27	27	53	39	0.106
	R1/2	3109 16 21	27	27	53	39	0.104

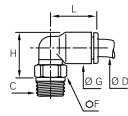
Pre-coated thread

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



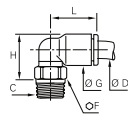
ØD	C		F	G	H	L	Kg
4	NPT1/8	3109 04 11	11	8.4	13.5	14	0.007
	NPT1/4	3109 04 14	14	8.4	14	14	0.016
6	NPT1/8	3109 06 11	11	10.5	15.5	16	0.007
	NPT1/4	3109 06 14	14	10.5	16	16	0.016
8	NPT1/8	3109 08 11	11	13.5	19	23.1	0.009
	NPT1/4	3109 08 14	14	13.5	18	23.1	0.015
10	NPT3/8	3109 10 18	18	16	22	26.5	0.023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



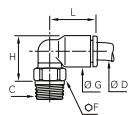
ØD	C		F	G	H	L	Kg
1/8	NPT1/8	3109 53 11	11	8.6	13.5	14.5	0.007
	NPT1/4	3109 53 14	14	8.6	14	14.5	0.015
1/4	NPT1/8	3109 56 11	11	11	17	18	0.008
	NPT1/4	3109 56 14	14	11	16	18	0.014
3/8	NPT3/8	3109 56 18	18	11	16.5	18	0.021
	NPT1/8	3109 60 11	15	16	23.1	27.4	0.014
1/2	NPT3/8	3109 60 18	18	16	22.1	27.4	0.024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

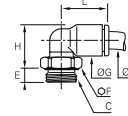


ØD	C		F	G	H	L	Kg
1/8	R1/8	3109 53 10	10	8.6	13.5	14.5	0.011
	R1/8	3109 56 10	10	11	17	18	0.006
1/4	R1/4	3109 56 13	14	11	17	18	0.013
	R1/4	3109 60 13	15	16	22.1	26.4	0.016
3/8	R3/8	3109 60 17	17	16	22.1	26.4	0.054
	R1/4	3109 62 13	20	22.1	31	35.1	0.064
1/2	R3/8	3109 62 17	20	22.1	31	35.1	0.067
	R1/2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



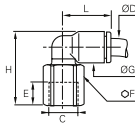
ØD	C		E	F	G	H	L	Kg
3	M3x0.5	3199 03 09*	2.5	8	8.5	15	14.5	0.003
	M5x0.8	3199 03 19	3.5	8	8.5	13.5	14.5	0.003
4	M3x0.5	3199 04 09*	2.5	8	8.5	15	14.5	0.003
	M5x0.8	3199 04 19	3.5	8	8.5	13.5	14	0.002
4	M7x1	3199 04 55	4.5	10	8.5	15	14	0.005
	G1/8	3199 04 10	5	13	8.5	13	14	0.006
6	G1/4	3199 04 13	5.5	16	8.5	13	14	0.011
	M5x0.8	3199 06 19	3.5	8	10.5	15.5	16	0.003
6	M7x1	3199 06 55	4.5	10	10.5	17.5	16	0.006
	M10x1	3199 06 60	5	13	10.5	15	14	0.006
6	M12x1.5	3199 06 67	5.5	15	10.5	15	16	0.009
	G1/8	3199 06 10	5	13	10.5	15	16	0.006
6	G1/4	3199 06 13	5.5	16	10.5	15	16	0.011
	G3/8	3199 06 17	5.5	20	10.5	15.5	16	0.022
6	G1/2	3199 06 21	7	24	10.5	16	16	0.027
	M10x1	3199 08 60	5	13	13.5	20.5	23	0.009
6	M12x1.5	3199 08 67	5.5	15	13.5	18	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
8	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

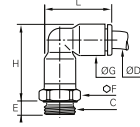


ØD	C		E	F	G	H	L	Kg
4	G1/8	3192 04 10	8.5	13	8.5	23	14	0.010
	G1/4	3192 04 13	11.5	16	8.5	27	14	0.016
6	G1/8	3192 06 10	8.5	13	10.5	25	16	0.010
	G1/4	3192 06 13	11.5	16	10.5	29	16	0.017
8	G1/8	3192 08 10	8.5	13	13.5	28	23	0.012
	G1/4	3192 08 13	11.5	16	13.5	32	23	0.020
10	G3/8	3192 10 17	12	19	16	35	26.5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

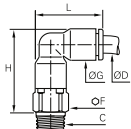


ØD	C		E	F	G	H	L	Kg
4	M5x0.8	3169 04 19	3.5	8	8.5	23	19	0.006
	G1/8	3169 04 10	5	13	8.5	22.5	19	0.008
	G1/4	3169 04 13	5.5	16	8.5	22.5	19	0.014
6	M5x0.8	3169 06 19	3.5	10	10.5	27.5	23	0.008
	M7x1	3169 06 55	4.5	10	10.5	26	23	0.012
	G1/8	3169 06 10	5	13	10.5	27	23	0.011
	G1/4	3169 06 13	5.5	16	10.5	27	23	0.016
8	G1/8	3169 08 10	5	13	13.5	36	29.5	0.018
	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
10	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
	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
12	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
14	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
16	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



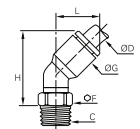
ØD	C		F	G	H	L	Kg
4	R1/8	3129 04 10	10	8.5	23	19	0.008
	R1/4	3129 04 13	14	8.5	23.5	19	0.018
6	R1/8	3129 06 10	10	10.5	27	22.5	0.010
	R1/4	3129 06 13	14	10.5	27.5	22.5	0.020
8	R1/8	3129 08 10	13	13.5	34.5	29.5	0.018
	R1/4	3129 08 13	14	13.5	32.5	29.5	0.022
	R3/8	3129 08 17	17	13.5	33	29.5	0.032
	R1/4	3129 10 13	15	16	39.5	34.5	0.031
10	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
	R1/4	3129 12 13	19	19	45.5	40.5	0.051
12	R3/8	3129 12 17	19	19	45.5	40.5	0.047
	R1/2	3129 12 21	21	19	45.5	40.5	0.053
14	R3/8	3129 14 17	21	22	51.5	46.5	0.065
	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
6	R1/8	3113 06 10	10	11	24.5	14.5	0.006
	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
	R1/4	3113 10 13	15	16	33.5	23	0.014
10	R3/8	3113 10 17	17	16	33.5	23	0.020
	R1/2	3113 10 21	21	16	34	23	0.032
	R1/4	3113 12 13	15	19	39	26	0.016
12	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

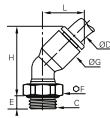
The body swivels for positioning purposes.

This model prevents distortion of the tube.

LF 3000® Push-In Fittings / Stud Fittings

3133 45° Elbow, Male BSPP and Metric Thread

Technical polymer, Nickel-plated brass, NBR

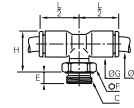


ØD	C		E	F	G	H	L	Kg
4	M5x0.8	3133 04 19	3.5	8	9	23	13	0.003
	G1/8	3133 04 10	4.5	13	9	20.5	13	0.006
6	M5x0.8	3133 06 19	3.5	8	11	28	14.5	0.003
	G1/8	3133 06 10	4.5	13	11	24	14.5	0.006
6	G1/4	3133 06 13	5.5	16	11	24	14.5	0.011
	G1/8	3133 08 10	4.5	13	13.5	31	19.5	0.009
8	G1/4	3133 08 13	5.5	16	13.5	29	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

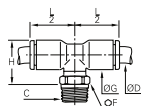


ØD	C		E	F	G	H	L/2	Kg
4	M5x0.8	3198 04 19	3.5	8	8.5	17.5	14	0.003
	G1/8	3198 04 10	5	13	8.5	15	14	0.006
	G1/4	3198 04 13	5.5	16	8.5	15	14	0.011
6	M5x0.8	3198 06 19	3.5	8	10.5	19.5	16	0.004
	G1/8	3198 06 10	5	13	10.5	17	16	0.007
	G1/4	3198 06 13	5.5	16	10.5	17	16	0.012
8	G1/8	3198 08 10	4.5	13	13.5	23.5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

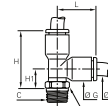


ØD	C		F	G	H	L/2	Kg
4	R1/8	3108 04 10	10	8.5	15.5	14	0.006
	R1/4	3108 04 13	14	8.5	16	14	0.015
6	R1/8	3108 06 10	10	10.5	17.5	16	0.007
	R1/4	3108 06 13	14	10.5	18	16	0.016
6	R1/8	3108 08 10	10	13.5	22	23	0.009
	R1/4	3108 08 13	14	13.5	21	23	0.016
8	R3/8	3108 08 17	17	13.5	21	23	0.020
	R1/4	3108 10 13	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



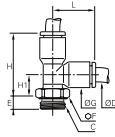
ØD	C		F	G	H	H1	L	Kg
4	R1/8	3103 04 10	10	8.5	23.5	9	14.5	0.006
	R1/4	3103 04 13	14	8.5	24	9.5	14.5	0.015
6	R1/8	3103 06 10	10	10.5	27.5	10	17.5	0.007
	R1/4	3103 06 13	14	10.5	28	10.5	17.5	0.016
6	R1/8	3103 08 10	10	13.5	35	12	23	0.009
	R1/4	3103 08 13	14	13.5	34	11	23	0.015
8	R3/8	3103 08 17	17	13.5	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

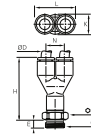


ØD	C		E	F	G	H	H1	L	Kg
4	M5x0.8	3193 04 19	3.5	8	8.5	26	11.5	14.5	0.003
	G1/8	3193 04 10	5	13	8.5	23	8.5	14.5	0.006
	G1/4	3193 04 13	5.5	16	8.5	23	8.5	14.5	0.011
6	M5x0.8	3193 06 19	3.5	8	10.5	29.5	12.5	17.5	0.004
	G1/8	3193 06 10	5	13	10.5	27	10	17.5	0.007
	G1/4	3193 06 13	5.5	16	10.5	27	10	17.5	0.012
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

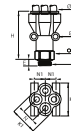


ØD	C		E	F	H	K	L	N	Kg
4	M5x0.8	3158 04 19	3.5	8	32.5	8.5	17.5	9	0.006
	M5x0.8	3158 06 19	3.5	10	39.5	10.5	21.5	11	0.009
6	G1/8	3158 06 10	5	13	39	10.5	21.5	11	0.012
	G1/4	3158 06 13	5.5	16	39.5	10.5	21.5	11	0.017
8	G1/8	3158 08 10	5	13	49	13.5	28	14.5	0.020
	G1/4	3158 08 13	5.5	16	49.5	13.5	28	14.5	0.023
	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

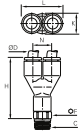


ØD	C		E	F	H	K	K1	N	N1	ØT	Kg
4	G1/8	3132 04 10	5	13	41	25.5	21	10	8.5	3.7	0.022
	G1/4	3132 04 13	5.5	16	40	25.5	21	10	8.5	3.7	0.026
6	G1/8	3132 06 10	5	19	53.5	31.5	26.5	12	10	3.7	0.041
	G1/4	3132 06 13	5.5	19	52.5	31.5	26.5	12	10	3.7	0.042

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

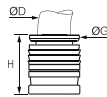
Pre-coated thread

The body swivels for positioning purposes.

LF 3000® Push-In Fittings / Stud Fittings

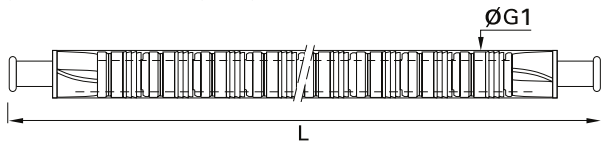
3100 Carstick® Cartridge

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

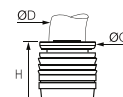
50 cartridges per Carstick®.
Cavity dimensions are available upon request



3100 Carstick® Cartridge

Inch

Nickel-plated brass, NBR

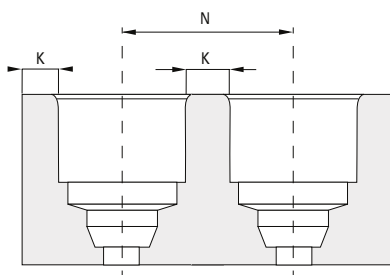
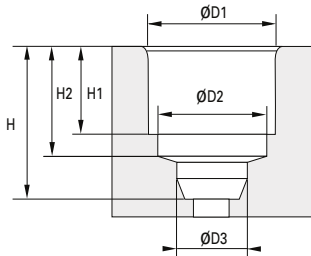


ØD		G	G1	H	L	Kg
1/8	3100 53 00 99	7	10	9	508	0.002
5/32	3100 04 00 99	8	11	10	554	0.007
1/4	3100 56 00 99	10.5	14.5	12	600	0.003
5/16	3100 08 00 99	13	15	15	794	0.002
3/8	3100 60 00 99	15.5	19	16.5	930	0.006

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

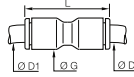
Please consult us for detailed drawings of cavity dimensions and tolerances.

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

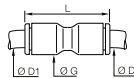


ØD	ØD1		G	L	Kg
3	3	3106 03 00	8.5	25	0.002
	4	3106 03 04	8.5	25	0.002
	1/4	3106 04 56	11	29.5	0.005
4	4	3106 04 00	8.5	25	0.001
	6	3106 04 06	11	28	0.002
	8	3106 04 08	13.5	38	0.005
1/4	1/4	3106 06 56	13.5	36	0.009
	6	3106 06 00	10.5	28.5	0.002
	8	3106 06 08	13.5	38	0.005
6	10	3106 06 10	16	42	0.008
	8	3106 08 00	13.5	38	0.004
	10	3106 08 10	16	42	0.007
8	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
1/2	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
16	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

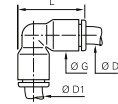


ØD	ØD1		G	L	Kg
1/4	1/4	3106 56 00	11	29.5	0.002
	3/8	3106 60 00	16	42	0.006
3/8	10	3106 60 10	12	50.5	0.028
	1/4	3106 60 56	16	41	0.016
1/2	1/2	3106 62 00	22	55	0.016

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

3102 Equal and Unequal Elbow

Technical polymer, NBR

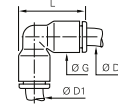


ØD	ØD1		G	L	Kg
4	4	3102 04 00	8.5	19	0.001
	6	3102 04 06	10.5	22.5	0.003
6	6	3102 06 00	10.5	22.5	0.002
	8	3102 06 08	13.5	29.5	0.008
8	8	3102 08 00	13.5	29.5	0.004
	10	3102 08 10	16	34.5	0.011
10	10	3102 10 00	16	34.5	0.006
	12	3102 10 12	19	40.5	0.019
12	12	3102 12 00	19	40.5	0.010
14	14	3102 14 00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

3102 Equal and Unequal Elbow

Inch

Technical polymer, NBR

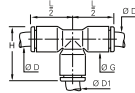


ØD	ØD1		G	L	Kg
1/4	1/4	3102 56 00	11	2.5	0.002
3/8	3/8	3102 60 00	16	34	0.006
1/2	1/2	3102 62 00	22	35	0.017

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

3104 Equal and Unequal Tee

Technical polymer, NBR

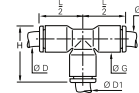


ØD	ØD1		G	H	L/2	Kg
3	3	3104 03 00	8.5	19	14.5	0.004
4	4	3104 04 00	8.5	19	14.5	0.002
	6	3104 04 06	10.5	22.5	17.5	0.007
6	4	3104 06 04	10.5	22.5	17.5	0.005
	6	3104 06 00	10.5	22.5	17.5	0.003
8	6	3104 06 08	13.5	29.5	23	0.015
	8	3104 08 00	13.5	29.5	23	0.010
8	8	3104 08 00	13.5	29.5	23	0.006
	10	3104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

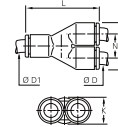


ØD	ØD1		G	H	L/2	Kg
5/32	1/4	3104 04 56	11	23.5	18	0.008
1/8	1/8	3104 53 00	8.4	19	14.5	0.003
	1/4	3104 53 56	11	23.5	18	0.011
3/16	3/16	3104 55 00	11	27.2	21.6	0.016
	5/32	3104 56 04	11	23.5	18.5	0.014
1/4	1/4	3104 56 00	11	23	24	0.003
	1/8	3104 56 53	11	23.5	18.5	0.007
3/8	3/8	3104 56 60	16	33.5	24.5	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

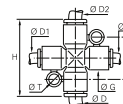
Technical polymer, NBR



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

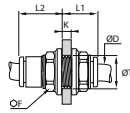


ØD	ØD1	ØD2		G	H	N	ØT	Kg
4	4	4	3107 04 00	11	36	20	4.2	0.014
6	4	6	3107 04 06	11	36	20	4.2	0.009
4	4	6	3107 06 04	11	36	20	4.2	0.011
6	6	6	3107 06 00	11	36	20	4.2	0.005
8	6	8	3107 06 08	11	46	22.5	4.2	0.018
6	6	8	3107 08 06	13.5	46	22.5	4.2	0.022
8	8	8	3107 08 00	13.5	46	22.5	4.2	0.009

LF 3000® Push-In Fittings / Bulkhead Connector Fittings

3116 Equal Bulkhead Connector

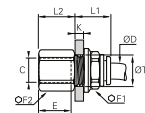
Technical polymer, NBR



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 BSPP Thread

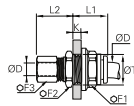
Nickel-plated brass, NBR



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
6	G1/8	3136 06 10	9.5	15	15	8	19	10.5	12.5	0.021
	G1/4	3136 06 13	13.5	15	17	7	19	15.5	12.5	0.027
8	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
10	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
12	G3/8	3136 12 17	14	26	24	8.5	27	16	22.5	0.079
	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

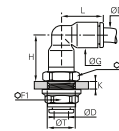


ØD		F1	F2	F3	K max	L1	L2	ØT min	Kg
4	3146 04 00	13	13	10	7	17.5	17.5	10.5	0.018
6	3146 06 00	15	17	13	8	19	18	12.5	0.028
8	3146 08 00	18	19	14	8	20.5	20.5	15.5	0.036
10	3146 10 00	22	22	19	8.5	23	24.5	18.5	0.062
12	3146 12 00	26	25	22	8.5	27	25	22.5	0.095
14	3146 14 00	29	29	24	10.5	27	27	25.5	0.124

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.

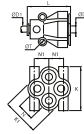
Boxes protect the contents and are designed to meet your requirements:

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



3144 Equal and Unequal Multiple Y Piece

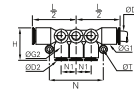
Technical polymer, NBR



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

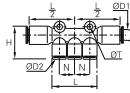
Technical polymer, NBR



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

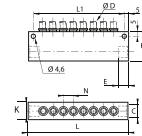
Technical polymer, NBR



ØD1	ØD2		H	L	L/2	N	ØT	Kg
6	4	3304 06 04	24.5	34	37	11.5	4.2	0.015
8	4	3304 08 04	24.5	34	37	11.5	4.2	0.012
	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

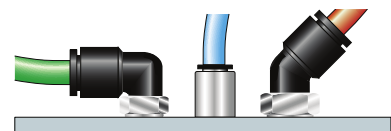
3310 In-Line Manifold

Treated aluminium, NBR



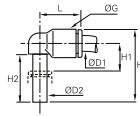
ØD	C		Number of Outlets	E	H	K	L	L1	N	Kg
4	G1/4	3310 04 13	8	10	33	20	114	104	11.5	0.164
6	G1/4	3310 06 13	8	10	33	20	114	104	12.5	0.160
8	G3/8	3310 08 17	6	12	33	20	114	104	15	0.149
10	G1/2	3310 10 21	6	16	48	25	145.5	135.5	17	0.329
12	G1/2	3310 12 21	4	16	45	25	158	148	20.5	0.354

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



3182 Equal and Unequal Plug-In Elbow

Technical polymer, NBR

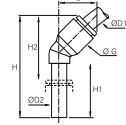


ØD1	ØD2		G	H	H1	H2	L	Kg
4	4	3182 04 00	8.5	23	6	15.5	14	0.005
4	6	3182 04 06	10.5	26.5	7	17	16	0.004
	4	3182 06 04	10.5	24.5	7	15.5	16	0.001
6	6	3182 06 00	10.5	26.5	7	17	16	0.001
	8	3182 06 08	13.5	33.5	8	21.5	23	0.007
8	8	3182 08 00	13.5	33.5	8	21.5	23	0.003
	10	3182 08 10	16	39	10	24.5	26.5	0.010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

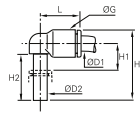


ØD1	ØD2		G	H	H1	H2	L	Kg	
4	4	3180 04 00		9	33.5	19	21	13	0.001
6	6	3180 06 00		11	39	21	25	14.5	0.002
8	8	3180 08 00		13.5	44	21.5	25.5	19.5	0.003
10	10	3180 10 00		16	53	27	32.5	23	0.004
12	12	3180 12 00		19	58.5	27.5	34	26.5	0.007

3182 Equal Plug-In Elbow

Inch

Technical polymer, NBR

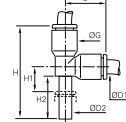


ØD1	ØD2		G	H	H1	H2	L	Kg
1/4	1/4	3182 56 00	11	27.5	7.5	18	18.5	0.002
3/8	3/8	3182 60 00	16	38.5	9	24	26	0.010

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

3183 Equal and Unequal Plug-In Run Tee

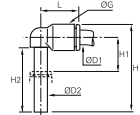
Technical polymer, NBR



ØD1	ØD2		G	H	H1	H2	L	Kg
	4	3183 04 00	8.5	33	6	15.5	14.5	0.002
4	6	3183 04 06	10.5	38.5	7	17	17.5	0.006
	6	3183 06 00	10.5	38.5	7	17	17	0.002
6	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

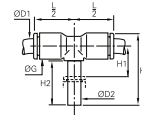


ØD1	ØD2		G	H	H1	H2	L	Kg
	4	3184 04 00	8.5	32.5	15.5	25	14	0.004
4	6	3184 04 06	10.5	38.5	19	29	16	0.004
	6	3184 06 00	10.5	38.5	19	29	16	0.002
6	8	3184 06 08	13.5	49	23.5	37	23	0.007
8	8	3184 08 00	13.5	49	23.5	37	23	0.003
	10	3184 08 10	16	56	26.5	41.5	26.5	0.011
10	10	3184 10 00	16	56	26.5	41.5	26.5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

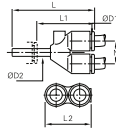
Technical polymer, NBR



ØD1	ØD2		G	H	H1	H2	L/2	Kg
	4	3188 04 00	8.5	25	8	15.5	14.5	0.001
4	6	3188 04 06	10.5	28.5	9	17	16	0.007
	6	3188 06 00	10.5	28.5	9	17	16	0.002
6	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

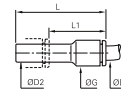
Technical polymer, NBR



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

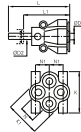
Technical polymer, NBR



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
	12	3166 06 12	14.5	46	23	0.005
8	14	3166 06 14	14.5	48	23	0.007
	10	3166 08 10	13.5	49	28.5	0.003
8	12	3166 08 12	13.5	49	24.5	0.004
	14	3166 08 14	17	48	23	0.007
10	12	3166 10 12	21.5	56.5	33.5	0.005
	14	3166 10 14	21.5	58.5	33.5	0.005
12	14	3166 12 14	23.5	58.5	33.5	0.007

3143 Multiple Plug-In Y Piece

Technical polymer, Nickel-plated brass, NBR

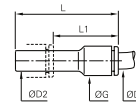


ØD1	ØD2		K	K1	L	L1	N	N1	Kg
4	6	3143 04 06	26	21.5	49.5	35.5	11	8.5	0.018
	8	3143 04 08	26	21.5	51	32	11	8.5	0.021
6	8	3143 06 08	31.5	26.5	57.5	39	12	10	0.035

3166 Plug-In Reducer

Inch

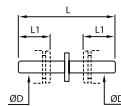
Technical polymer, NBR



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

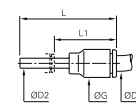
Technical polymer



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



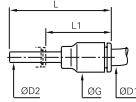
ØD1	ØD2		G	L	L1	Kg
6	4	3168 06 04	10.5	35	23	0.002
	6	3168 08 06	13.5	45	31.5	0.003
8	1/4	3168 08 56	16	40	25.5	0.009
	8	3168 10 08	16	42.5	21	0.004
12	10	3168 12 10	19	49	24.5	0.006

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

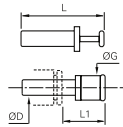
Technical polymer, NBR



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



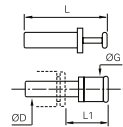
ØD		G	L	L1	Kg
3	3126 03 00	6	25	13.5	0.001
4	3126 04 00	4	30	15.5	0.001
6	3126 06 00	8	33	16.5	0.001
8	3126 08 00	10	35	17.5	0.001
10	3126 10 00	12	42	21	0.002
12	3126 12 00	14	45	22	0.003
14	3126 14 00	16	49	23.5	0.005
16	3126 16 00*	19	57	30	0.064

*Nickel-plated brass

3126 Blanking Plug

Inch

Technical polymer

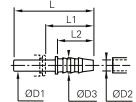


ØD		G	L	L1	Kg
1/4	3126 56 00	8	36.5	22	0.001
3/8	3126 60 00	12	42	22	0.002
1/2	3126 62 00	15	48.5	21.5	0.003

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

3122 Plug-In Barb Connector

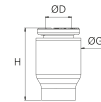
Technical polymer



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

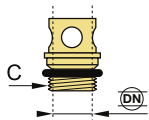
Reliable performance is dependent upon the type of fluid conveyed, component materials and tubing being used.
Use is guaranteed with a vacuum of 755 mm Hg (99% vacuum).

Advantages

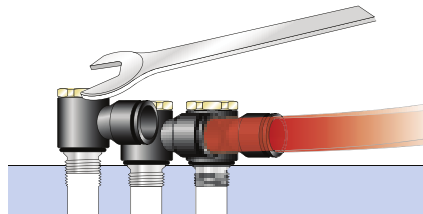
- Screwed from above, for minimum space between connections
- 360° orientable
- Stacking of banjo bodies to allow construction of 2 to 6 outlets

Installation Configurations

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



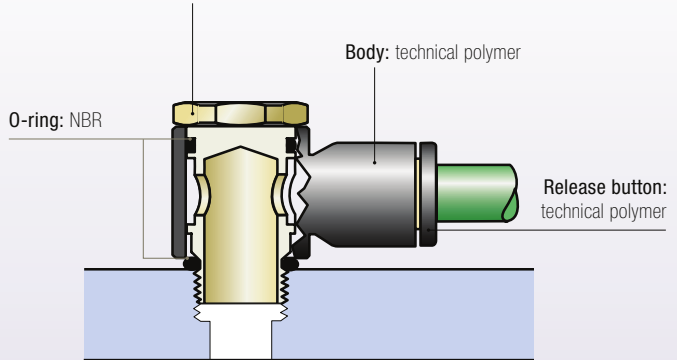
Thread (C)	M5x0.8	G1/8	G1/4	G3/8	G1/2
DN	2.5	5.5	8.5	11	13



Component Materials

Silicone-free

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

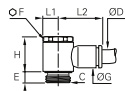


Regulations

- ISO 14743
- PED
- RoHS
- REACH

3118 Single Banjo, Male BSPP and Metric Thread

Technical polymer, Nickel-plated brass, NBR

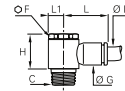


ØD	C		E	F	G	H	L1	L2	Kg
3	M3x0.5	3118 03 09*	3	-	8.5	13	5	16	0.005
	M5x0.8	3118 04 19*	4	-	8.5	13	5	16.5	0.004
4	G1/8	3118 04 10	4	13	8.5	17	7	18.5	0.012
	M5x0.8	3118 06 19*	4	-	10.5	13	7	18.5	0.004
6	G1/8	3118 06 10	4	13	10.5	17	7	20	0.013
	G1/4	3118 06 13	5.5	17	10.5	21	9.5	22	0.023
	G1/8	3118 08 10	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



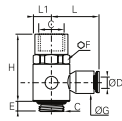
ØD	C		F	G	H	L	L1	Kg
6	R1/8	3018 06 10	13	10.5	18.5	20	7	0.015
	R1/4	3018 06 13	17	10.5	22.5	22	9.5	0.029
8	R1/8	3018 08 10	13	13.5	18.5	25	7	0.016
	R1/4	3018 08 13	17	13.5	22.5	27	9.5	0.030
10	R1/4	3018 10 13	17	16	22.5	29	9.5	0.031
	R3/8	3018 10 17	21	16	26.5	31	11	0.048
12	R1/4	3018 12 13	21	19	26.5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

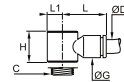


ØD	C		E	F	G	H	L	L1	Kg
4	G1/8	3124 04 10	4	13	8.5	25.5	18.5	7	0.015
6	G1/4	3124 06 13	5.5	17	10.5	33	22	9	0.029
8	G3/8	3124 08 17	5.5	20	13.5	37.5	29	11	0.043

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

3538 Single Banjo Bodies

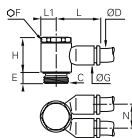
Technical polymer, NBR



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	13	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

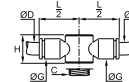


ØD	C		E	F	G	H	L	L1	N	Kg
4	M5x0.8	3149 04 19*	4		8.5	13	16	4.5	9	0.005
	G1/8	3149 04 10	4	13	10.5	16.5	18.5	7	11.5	0.018
6	G1/8	3149 06 10	4	13	10.5	16.5	18.5	7	11.5	0.014
	G1/4	3149 06 13	5.5	17	13.5	21	27	9.5	14.5	0.035
8	G1/4	3149 08 13	5.5	17	13.5	21	27	9.5	14.5	0.026
	G3/8	3149 08 17	5.5	20	16	24.5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

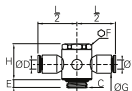
Technical polymer, NBR



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

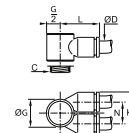


ØD	C		E	F	G	H	L/2	Kg
4	M5x0.8	3119 04 19*	4		8.5	13	8	0.005
6	G1/8	3119 06 10	4	13	11	17	20	0.014
	G1/4	3119 06 13	5.5	17	13.5	21	26.5	0.035
8	G1/4	3119 08 13	5.5	17	13.5	21	27	0.026
	G3/8	3119 08 17	5.5	20	16	24.5	30.5	0.053

*With screwdriver slot

3549 Twin Banjo Bodies

Technical polymer, NBR

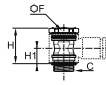


ØD	C		G	K	L	N	Kg
4	M5x0.8	3549 04 19	10	17.5	15.5	9	0.003
	G1/4	3549 04 13	18.5	28	25	14.5	0.020
6	G1/8	3549 06 10	14	22.5	20.5	12	0.003
	G1/4	3549 06 13	18.5	28	25	14.5	0.015
8	G3/8	3549 06 17	22.5	33	28.5	17	0.031
	G1/4	3549 08 13	18.5	28	26	14.5	0.006
10	G3/8	3549 08 17	22.5	33	29.5	17	0.020
	G3/8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

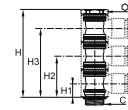


C		F	H	H1	Kg	
M5x0.8	3527 00 19*		17	7.5	0.003	
G1/8	3527 00 10		13	17	7.5	0.011
G1/4	3527 00 13		17	21	9.5	0.020
G3/8	3527 00 17		20	24.5	11	0.033

*With screwdriver slot
Full bore

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

Nickel-plated brass, NBR

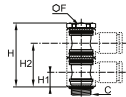


C		F	H	H1	H2	H3	Kg	
G1/8	3529 00 10		13	45.5	7.5	22	36	0.023
G1/4	3529 00 13		17	54	9.5	27.5	45.5	0.042
G3/8	3529 00 17		20	67.5	11	32.5	54	0.069

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

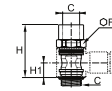


C		F	H	H1	H2	Kg	
M5x0.8	3528 00 19*		24.5	7.5	18.5	0.005	
G1/8	3528 00 10		13	31	7.5	22	0.017
G1/4	3528 00 13		17	39	9.5	27.5	0.031
G3/8	3528 00 17		20	46	11	32.5	0.053

*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



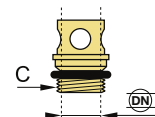
C		F	H	H1	Kg	
G1/8	3524 00 10		13	24.5	7.5	0.013
G1/4	3524 00 13		17	33	9.5	0.027
G3/8	3524 00 17		20	37.5	11	0.039
G1/2	3524 00 21		26	42	11.5	0.067

Full bore

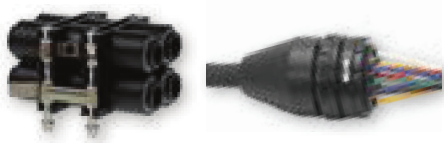
Banjo bolts 3527, 3528, 3529 and 3524 are only usable in association with the corresponding bodies for modular construction 3538, 3539 and 3549.

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®

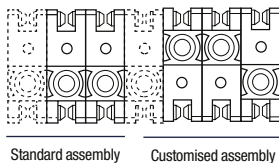


Regulations

- ISO 14743
- PED
- RoHS
- REACH

Installations Configurations

Panel-Mounted



Standard assembly Customised assembly

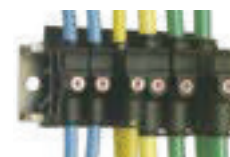
A box contains:

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

In-Line



DIN Rail Connector

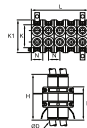


The module is constructed from a number of symmetrical components connected by joining clips. A coupling clip locks the module closed. A dismantling tool allows disconnection.

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

3300 Modular Plug-In Connector

Technical polymer, NBR

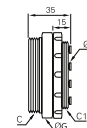


ØD		B	H	H1	K	K1	L	L1	L2	N	Kg
4	3300 04 00	21	40.5	29.5	32	20	55	22	6	11	0.079
6	3300 06 00	28	48	38.5	39	27.5	70	28	7.5	14	0.213
8	3300 08 00	28	50	39	39	27.5	70	28	7.5	14	0.125

Clearance hole for Ø3 mm screw

3320 Multi-Connector Male Screw Body

Technical polymer, NBR

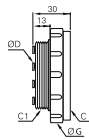


ØD	C	C1		Number of Outlets	G	Kg
	M46x1.5	M40x1.5	3320 04 00 04	4	50	0.069
4	M46x1.5	M40x1.5	3320 04 00 07	7	50	0.071
	M65x1.5	M58x1.5	3320 04 00 12	12	70	0.137
	M46x1.5	M40x1.5	3320 06 00 04	4	50	0.070
6	M46x1.5	M40x1.5	3320 06 00 07	7	50	0.073

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

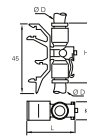


ØD	C	C1		Number of Outlets	G	Kg
4	M46x1.5	M40x1.5	3321 04 00 04	4	55	0.065
	M46x1.5	M40x1.5	3321 04 00 07	7	55	0.063
	M65x1.5	M58x1.5	3321 04 00 12	12	75	0.125
6	M46x1.5	M40x1.5	3321 06 00 04	4	55	0.065
	M46x1.5	M40x1.5	3321 06 00 07	7	55	0.064

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

3379 DIN Rail Connector for 2 Tubes

Technical polymer, NBR

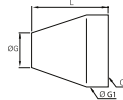


ØD		H	K	L	Kg
4	3379 04 00	34.5	11	39.5	0.010
6	3379 06 00	34.5	11	39.5	0.006
8	3379 08 00	46	13	44.5	0.008

Start pressure test point on the system

3329 Multi-Connector Screw Cap

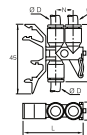
Technical polymer



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

3381 DIN Rail Connector for 3 Tubes

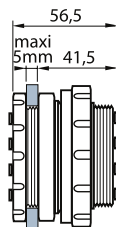
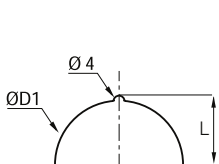
Technical polymer, NBR



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).

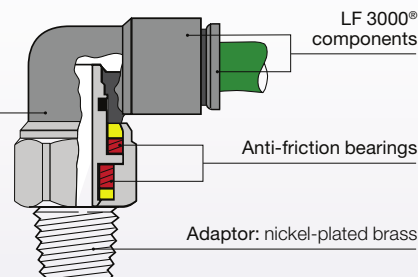
Advantages

- **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



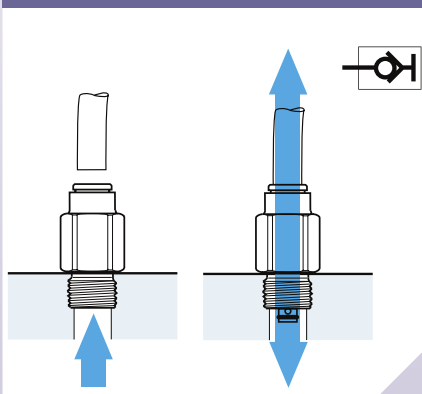
Silicone-free

Regulations

- ISO 14743
- PED
- RoHS
- REACH

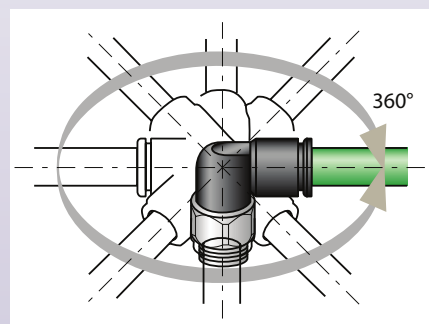
Installation Configurations

Self-Sealing Fitting



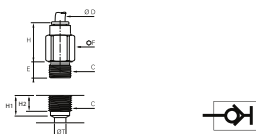
Oscillating Fitting

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



3391 Self-Sealing Stud Fitting, Male BSPP Thread

Nickel-plated brass, NBR

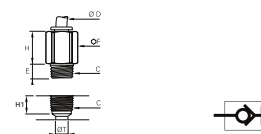


ØD	C		E	F	H	H1	H2	ØT	Kg
4	G1/8	3391 04 10	5	13	18	7.5	6	5	0.017
6	G1/8	3391 06 10	5	14	19.5	9	6	7.5	0.018
8	G1/8	3391 08 10	5	14	29.5	10	6	7.5	0.025
	G1/4	3391 08 13	5.5	16	25.5	11	8	9	0.032
10	G3/8	3391 10 17	5.5	20	27.5	13	11	10	0.055

Maximum working pressure: 10 bar

3091 Self-Sealing Stud Fitting, Male BSPT Thread

Nickel-plated brass, NBR

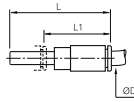


ØD	C		E	F	H	H1	ØT	Kg
4	R1/8	3091 04 10	7.5	12	18	9.5	5	0.014
6	R1/8	3091 06 10	7.5	13	19.5	9.5	7.5	0.015
8	R1/8	3091 08 10	6.5	14	25	10.5	7.5	0.024
	R1/4	3091 08 13	11	14	25.5	13.5	9	0.021

Maximum working pressure: 10 bar

3160 Self-Sealing Plug-In Fitting

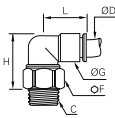
Technical polymer, NBR



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

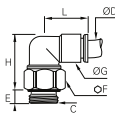


ØD	C		F	G	H	L	Kg
4	R1/8	3159 04 10	12	11	22	17.5	0.013
6	R1/8	3159 06 10	14	14	26.5	20.5	0.020
	R1/4	3159 06 13	14	14	23.5	20.5	0.022
8	R1/8	3159 08 10	17	16	32	23.5	0.034
	R1/4	3159 08 13	17	16	29	23.5	0.034
10	R3/8	3159 08 17	17	16	25	23.5	0.031
	R1/4	3159 10 13	19	19.5	37.5	29	0.051
12	R3/8	3159 10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



3150 00 01 57UN

H L L1 Kg
81 413 330 3,221

3150..58 Maintenance kit, BSPT Thread



3150 00 01 58UN

H L L1 Kg
81 413 330 3,750