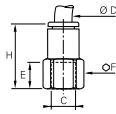


LF 3000® Push-In Fittings / Stud Fittings

3114 Stud Fitting, Female BSPP and Metric Thread

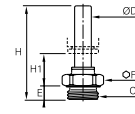
Nickel-plated brass, NBR



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

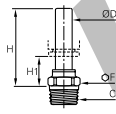
Technical polymer, Nickel-plated brass, NBR



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

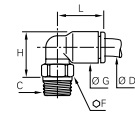


ØD	C		F	H	H1	Kg
4	R1/8	3121 04 10	10	26	14	0.005
	R1/4	3121 04 13	14	26.5	14.5	0.014
6	R1/8	3121 06 10	10	28	14	0.005
	R1/4	3121 06 13	14	28.5	14.5	0.014
8	R1/8	3121 08 10	10	29.5	11	0.005
	R1/4	3121 08 13	14	28.5	10	0.012
10	R1/4	3121 10 13	15	36	15.5	0.012
	R3/8	3121 10 17	17	36	15.5	0.017
12	R1/2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



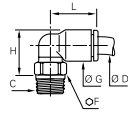
ØD	C		F	G	H	L	Kg
4	R1/8	3109 04 10	10	8.5	13.5	14	0.006
	R1/4	3109 04 13	14	8.5	14	14	0.015
6	R3/8	3109 04 17	17	8.5	13.5	14	0.019
	R1/8	3109 06 10	10	10.5	15.5	16	0.006
	R1/4	3109 06 13	14	10.5	16	16	0.015
8	R3/8	3109 06 17	17	10.5	16	16	0.020
	R1/2	3109 06 21	21	10.5	16.5	16	0.035
	R1/8	3109 08 10	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



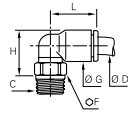
ØD	C		F	G	H	L	Kg
4	NPT1/8	3109 04 11	11	8.4	13.5	14	0.007
	NPT1/4	3109 04 14	14	8.4	14	14	0.016
6	NPT1/8	3109 06 11	11	10.5	15.5	16	0.007
	NPT1/4	3109 06 14	14	10.5	16	16	0.016
8	NPT1/8	3109 08 11	11	13.5	19	23.1	0.009
	NPT1/4	3109 08 14	14	13.5	18	23.1	0.015
10	NPT3/8	3109 10 18	18	16	22	26.5	0.023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



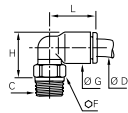
ØD	C		F	G	H	L	Kg
1/8	NPT1/8	3109 53 11	11	8.6	13.5	14.5	0.007
	NPT1/4	3109 53 14	14	8.6	14	14.5	0.015
1/4	NPT1/8	3109 56 11	11	11	17	18	0.008
	NPT1/4	3109 56 14	14	11	16	18	0.014
3/8	NPT3/8	3109 56 18	18	11	16.5	18	0.021
	NPT1/8	3109 60 11	15	16	23.1	27.4	0.014
1/2	NPT1/4	3109 60 14	15	16	23.1	27.4	0.017
	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

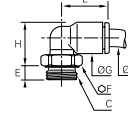


ØD	C		F	G	H	L	Kg
1/8	R1/8	3109 53 10	10	8.6	13.5	14.5	0.011
	R1/8	3109 56 10	10	11	17	18	0.006
1/4	R1/4	3109 56 13	14	11	17	18	0.013
	R1/4	3109 60 13	15	16	22.1	26.4	0.016
3/8	R3/8	3109 60 17	17	16	22.1	26.4	0.054
	R1/4	3109 62 13	20	22.1	31	35.1	0.064
1/2	R3/8	3109 62 17	20	22.1	31	35.1	0.067
	R1/2	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
8	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
10	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
12	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
14	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
16	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