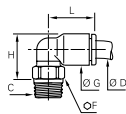


3109 Stud Elbow, Male NPT Thread

Technical polymer, Nickel-plated brass, NBR



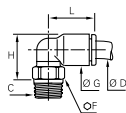
ØD	C		F	G	H	L	Kg
4	NPT1/8	3109 04 11	11	8.4	13.5	14	0.007
	NPT1/4	3109 04 14	14	8.4	14	14	0.016
6	NPT1/8	3109 06 11	11	10.5	15.5	16	0.007
	NPT1/4	3109 06 14	14	10.5	16	16	0.016
8	NPT1/8	3109 08 11	11	13.5	19	23.1	0.009
	NPT1/4	3109 08 14	14	13.5	18	23.1	0.015
	NPT1/4	3109 10 14	15	16	23	26.5	0.017
10	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



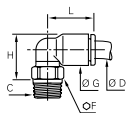
ØD	C		F	G	H	L	Kg
1/8	NPT1/8	3109 53 11	11	8.6	13.5	14.5	0.007
	NPT1/4	3109 53 14	14	8.6	14	14.5	0.015
1/4	NPT1/8	3109 56 11	11	11	17	18	0.008
	NPT1/4	3109 56 14	14	11	16	18	0.014
	NPT3/8	3109 56 18	18	11	16.5	18	0.021
3/8	NPT1/8	3109 60 11	15	16	23.1	27.4	0.014
	NPT1/4	3109 60 14	15	16	23.1	27.4	0.017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

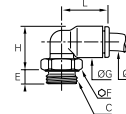


ØD	C		F	G	H	L	Kg
1/8	R1/8	3109 53 10	10	8.6	13.5	14.5	0.011
1/4	R1/8	3109 56 10	10	11	17	18	0.006
	R1/4	3109 56 13	14	11	17	18	0.013
3/8	R1/4	3109 60 13	15	16	22.1	26.4	0.016
	R3/8	3109 60 17	17	16	22.1	26.4	0.054
1/2	R1/4	3109 62 13	20	22.1	31	35.1	0.064
	R3/8	3109 62 17	20	22.1	31	35.1	0.067
	R1/2	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
	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
	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
	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
	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
	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
	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
	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
	G1/2	3199 16 21	9	27	27	54.5	39	0.097

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