

LF 6000 anti-spark push-in fittings



Principle of LF 6000 anti-spark push-in fittings



LF 6000 anti-spark push-in fittings combine LF 3000 technology with a protective cover specifically designed for excellent resistance to **severe conditions** of use, especially **spark projections**.

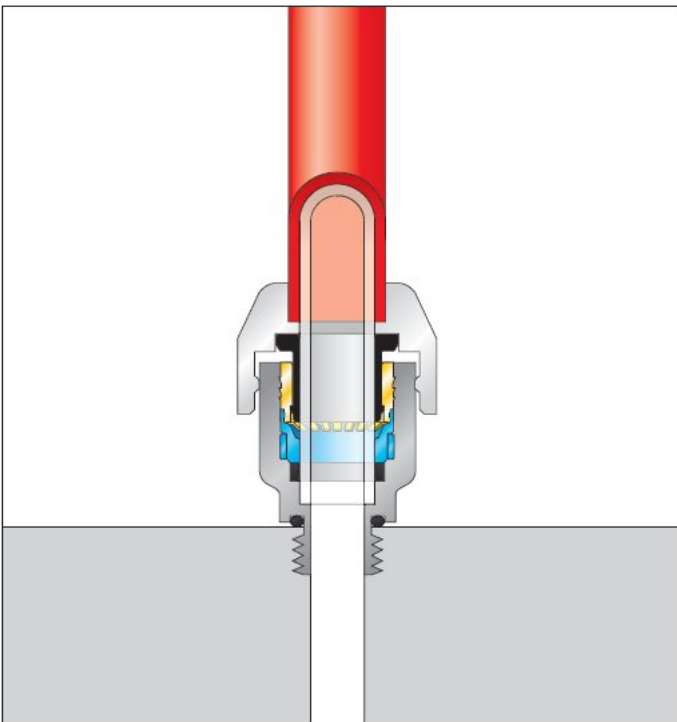
Their **light weight** enables **immediate connection** and **disconnection** by hand, without tools.

A wide range is complemented by an offer of **tubing** that conforms to **UL94 VO**, thus providing a perfect solution for all applications submitted to aggressive environments and, in particular, spark projections.

Thanks to these technical specifications, LF 6000 push-in fittings are perfectly suited for the requirements of the **automotive process industry**.

technical specifications

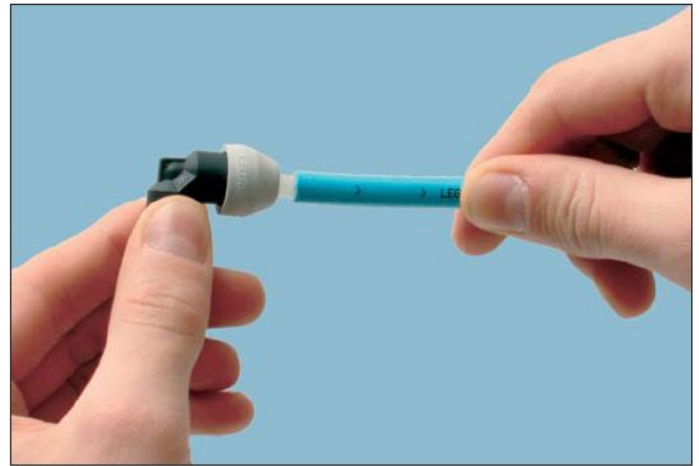
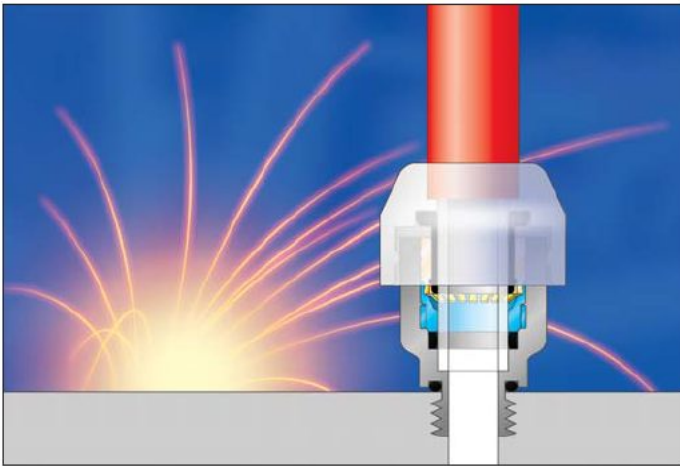
Depend on the nature and thickness of the tube, ambient temperature and fluid conveyed, together with the component materials of the fitting.



All items in the LF 6000 range are guaranteed **SILICONE FREE**

suitable fluids	compressed air, water, cooling liquids					
working pressure	compressed air : 10 bar maxi water, cooling liquids : 6 bar maxi					
vacuum capability	vacuum of 755 mmHg (99% vacuum)					
working temperature	compressed air : 0° to +60°C water, cooling liquids : +3° to +40°C					
materials	body : polymer, conforming to UL94 VO standard 'O' ring : FPM sub-base seal: HNBR (nitrile) protective cover: santopren, conforming to UL94 VO standard					
maximum tightening torque for LF 6000, BSP parallel and metric	Thread	M5x0,8	G1/8"	G1/4"	G3/8"	G1/2"
	m. da N	0,16	0,8	1,2	3	3,5

Advantages of LF 6000 push-in fittings



performance and reliability

- excellent resistance to spark projections, due to a protective cover
- full fluid passage
- automatic sealing
- constant easy connection, by optimized gripping technology

instant connection and disconnection

- time saving during assembly, due to manual instant connection/disconnection, no tools required

lightweight

- reduces the stresses encountered on robotic equipment



models suited to all users' requirements

- from 4mm o.d. to 12mm o.d.
- 3 thread types: BSP parallel, BSP taper and metric
- configurations: straight, elbows, tees, banjos

a complete connection solution

- sheath enclosed tubing (nylon and polyurethane), perfectly suited for use with LF 6000 push-in fittings: the stripped part of the tube is protected against sparks thanks to the integral cover on each fitting

the complete range of LF 6000 anti-spark push-in fittings



threaded fittings

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parallel and metric
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parallel
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tube to tube fittings

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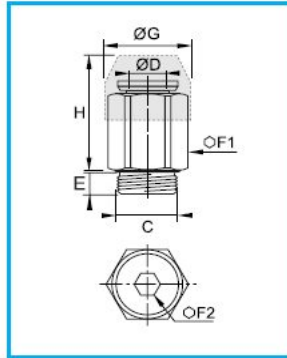


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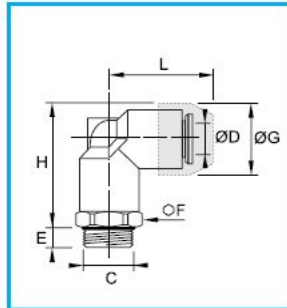
threaded fittings

6001 male stud, BSP parallel and metric thread



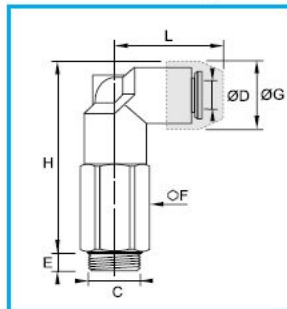
ØD	C		E	F1	F2	G	H	Δkg
6	M5x0,8	6001 06 19	4,5	13	2,5	17	19,5	0,010
6	G1/8	6001 06 10	5	13	4	17	17,5	0,011
6	G1/4	6001 06 13	5,5	16	4	17	17,5	0,021
8	G1/8	6001 08 10	5,5	16	5	19	25,5	0,023
8	G1/4	6001 08 13	5,5	16	6	19	24,5	0,024
8	G3/8	6001 08 17	5,5	20	6	19	23,5	0,035
10	G1/4	6001 10 13	7,5	20	7	24	26,5	0,045
10	G3/8	6001 10 17	5,5	20	8	24	25,5	0,038
10	G1/2	6001 10 21	7	24	8	24	24	0,049
12	G1/4	6001 12 13	7,5	22	7	26,5	31,5	0,055
12	G3/8	6001 12 17	8	22	8	26,5	30,5	0,058
12	G1/2	6001 12 21	7	24	10	26,5	28,5	0,058

6099 male stud elbow, BSP parallel thread



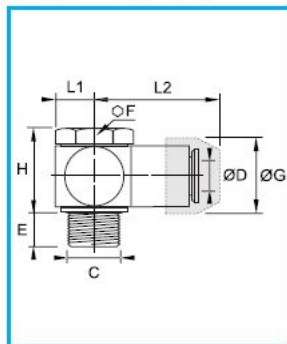
ØD	C		E	F	G	H	L	Δkg
6	G1/8	6099 06 10	4,5	14	17	30,5	25	0,018
6	G1/4	6099 06 13	5,5	16	17	30,5	25	0,023
8	G1/8	6099 08 10	4,5	16	19	37	27,5	0,029
8	G1/4	6099 08 13	5,5	16	19	33,5	27,5	0,026
8	G3/8	6099 08 17	5,5	20	19	33,5	27,5	0,034
10	G1/4	6099 10 13	5,5	21	24	45,5	34	0,050
10	G3/8	6099 10 17	5,5	21	24	42,5	34	0,050
12	G1/4	6099 12 13	5,5	24	26,5	49,5	38,5	0,055
12	G3/8	6099 12 17	5,5	24	26,5	49,5	38,5	0,064
12	G1/2	6099 12 21	7	24	26,5	47,5	38,5	0,070

6069 extended male stud elbow, BSP parallel thread



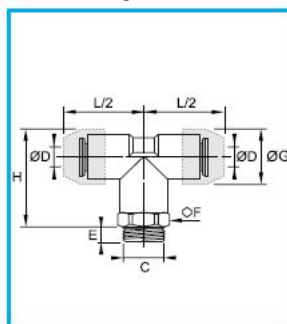
ØD	C		E	F	G	H	L	Δkg
6	G1/8	6069 06 10	4,5	14	17	49,5	25	0,052
6	G1/4	6069 06 13	5,5	16	17	51	25	0,054
8	G1/8	6069 08 10	4,5	16	19	62	27,5	0,114
8	G1/4	6069 08 13	5,5	16	19	55,5	27,5	0,063
8	G3/8	6069 08 17	5,5	20	19	56	27,5	0,092
10	G1/4	6069 10 13	5,5	21	24	73	34	0,000
10	G3/8	6069 10 17	5,5	21	24	69,5	34	0,120
12	G1/4	6069 12 13	5,5	24	26,5	76,5	38,5	0,164
12	G3/8	6069 12 17	5,5	24	26,5	77	38,5	0,151
12	G1/2	6069 12 21	7	24	26,5	80,5	38,5	0,160

6018 single banjo, BSP parallel thread



ØD	C		E	F	G	H	L1	L2	Δkg
6	G1/8	6018 06 10	8	14	17	21,6	8	28	0,022
6	G1/4	6018 06 13	10,5	17	17	21,5	10,5	29,5	0,024
8	G1/8	6018 08 10	8	14	19	21,6	8	30,5	0,029
8	G1/4	6018 08 13	10,5	17	19	21,1	10	32	0,031
8	G3/8	6018 08 17	11,5	22	19	24	13	33,5	0,048
10	G3/8	6018 10 17	11,5	22	24	25	13	45,5	0,060
12	G3/8	6018 12 17	11,5	22	26,5	24,2	13	52,5	0,065

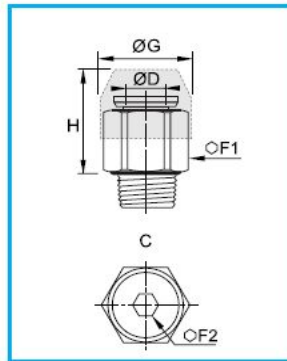
6098 male stud branch tee, BSP parallel thread



ØD	C		E	F	ØG	H	L/2	Δkg
6	G1/8	6098 06 10	4,5	14	17	31,5	25	0,023
6	G1/4	6098 06 13	5,5	16	17	31,5	25	0,030
8	G1/8	6098 08 10	4,5	16	19	37	27,5	0,031
8	G1/4	6098 08 13	5,5	16	19	34	27,5	0,035
8	G3/8	6098 08 17	5,5	20	19	34	27,5	0,040
10	G1/4	6098 10 13	5,5	21	24	45	34	0,058
10	G3/8	6098 10 17	5,5	21	24	42	34	0,060
12	G1/4	6098 12 13	5,5	24	26,5	49	38,5	0,077
12	G3/8	6098 12 17	5,5	24	26,5	50	38,5	0,080

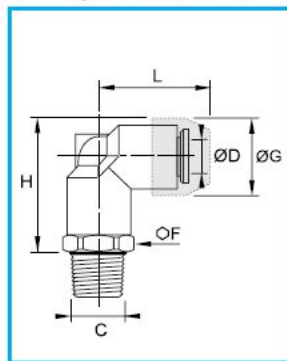
threaded fittings

6005 male stud, BSP taper thread



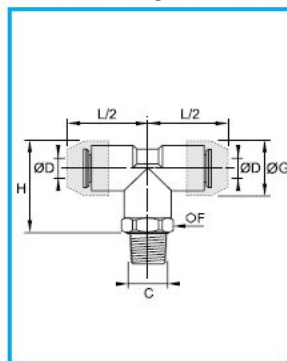
ØD	C		F1	F2	G	H	kg
6	R1/8	6005 06 10	13	4	17	16,8	0,011
6	R1/4	6005 06 13	14	4	17	18	0,018
8	R1/8	6005 08 10	15	5	20	21,5	0,200
8	R1/4	6005 08 13	15	6	20	22,5	0,020
8	R3/8	6005 08 17	17	6	20	21	0,028
10	R1/4	6005 10 13	20	7	24	26,2	0,036
10	R3/8	6005 10 17	20	8	24	25,2	0,033
12	R1/4	6005 12 13	22	7	26,5	23,5	0,059
12	R3/8	6005 12 17	22	9	26,5	30	0,055
12	R1/2	6005 12 21	22	10	26,5	25,5	0,055

6009 male stud elbow, BSP taper thread



ØD	C		F1	F2	G	H	L	kg
6	R1/8	6009 06 10	14	17	31,5	25	25	0,018
6	R1/4	6009 06 13	14	17	32	25	25	0,023
8	R1/8	6009 08 10	16	20	33	27,5	27,5	0,029
8	R1/4	6009 08 13	16	20	33	27,5	27,5	0,026
8	R3/8	6009 08 17	17	20	33	27,5	27,5	0,034
10	R1/4	6009 10 13	21	20	43	34	34	0,050
10	R3/8	6009 10 17	21	24	43	34	34	0,050
12	R1/4	6009 12 13	24	26,5	50,5	38,5	38,5	0,055
12	R3/8	6009 12 17	24	26,5	50,5	38,5	38,5	0,064
12	R1/2	6009 12 21	24	26,5	48,5	38,5	38,5	0,070

6008 male stud branch tee, BSP taper thread



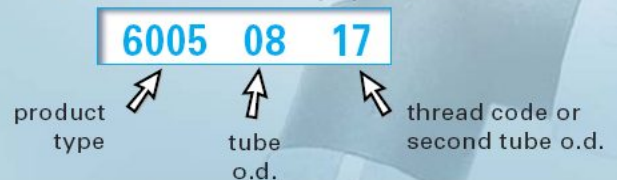
ØD	C		F	G	H	L/2	kg
6	R1/8	6008 06 10	14	17	31,5	25	0,023
6	R1/4	6008 06 13	14	17	32	25	0,030
8	R1/8	6008 08 10	16	20	34	27,5	0,031
8	R1/4	6008 08 13	16	20	33	27,5	0,035
10	R1/4	6008 10 13	21	24	43	34	0,058
10	R3/8	6008 10 17	21	24	43	34	0,060
12	R1/4	6008 12 13	24	26,5	50,5	38,5	0,077
12	R3/8	6008 12 17	24	26,5	50,5	38,5	0,080
12	R1/2	6008 12 21	24	26,5	48,5	38,5	0,085

Identification

Part numbers have been chosen by a method of mnemonics. Each fitting is identified by:

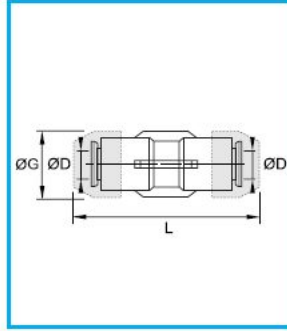
- product type
- the outside diameter of the tube
- the thread code or second tube o.d.

Example of numbering system



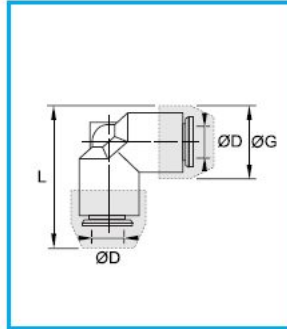
tube to tube fittings

6006 equal tube to tube connector



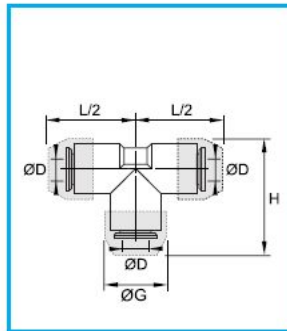
ØD		G	L	Δkg
6	6006 06 00	13,5	50	0,008
8	6006 08 00	16	55	0,011
10	6006 10 00	21	58	0,028
12	6006 12 00	23,5	65	0,040

6002 equal elbow



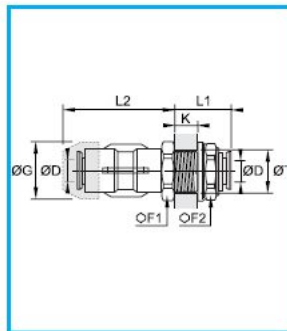
ØD		G	L	Δkg
6	6002 06 00	17	33,5	0,008
8	6002 08 00	19	37	0,011
10	6002 10 00	24	46	0,028
12	6002 12 00	26,5	51,5	0,040

6004 equal tee



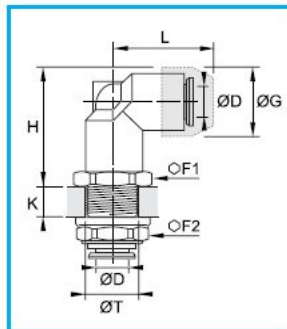
ØD		G	H	L/2	Δkg
6	6004 06 00	17	33,5	25	0,017
8	6004 08 00	19	37	27,5	0,020
10	6004 10 00	24	46	34	0,044
12	6004 12 00	26,5	51,5	38,5	0,063

6016 bulkhead connector



ØD		F1	F2	G	K _{maxi}	L1	L2	T _{mini}	Δkg
6	6016 06 00	17	15	17	8	19	47	12,5	0,025
8	6016 08 00	19	18	19	8,5	20,5	51	15,5	0,044
10	6016 10 00	22	22	24	8	22,5	54	18,5	0,072
12	6016 12 00	24	26	26,5	8,5	27	60,5	22,5	0,100

6039 equal bulkhead elbow



ØD		F1	F2	G	H	K _{maxi}	L	T _{mini}	Δkg
6	6039 06 00	17	15	17	30,5	8	25	12,5	0,025
8	6039 08 00	19	18	20	33	8,5	27,5	15,5	0,046
10	6039 10 00	22	22	24	42	8	34	18,5	0,074
12	6039 12 00	24	26	26	47,5	8,5	38,5	22,5	0,100



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