

LF 3000® Push-In Fittings

The LF 3000® range, with its wide variety of shapes and configurations, allows you to find **the perfect product to meet your needs** and thus **optimise the use** of your equipment.

Product Advantages

World-Class Performance

- 40 years of expertise
- Full bore for optimum flow
- Ideal for vacuum or pressure applications
- Automatic sealing guaranteed, in both static and dynamic applications
- Materials with high resistance
- Durability of product and equipment

Optimal Design

- 100% leak-tested in production
- Date coding to guarantee quality and traceability
- Compact and aesthetic design: reduced dimensions for space-saving
- Tube fixed during connection, preventing leakage
- Conforms to ISO 14743
- Excellent vacuum performance thanks to the patented sealing technology
- Lightweight: reduced energy consumption of operating systems
- Parallel threaded fitting with a patented captive O-ring seal
- Maximum flexibility due to the wide product range



- Applications**
- Robotics
 - Automotive Process
 - Pneumatics
 - Semi-Conductors
 - Textile
 - Packaging
 - Vacuum

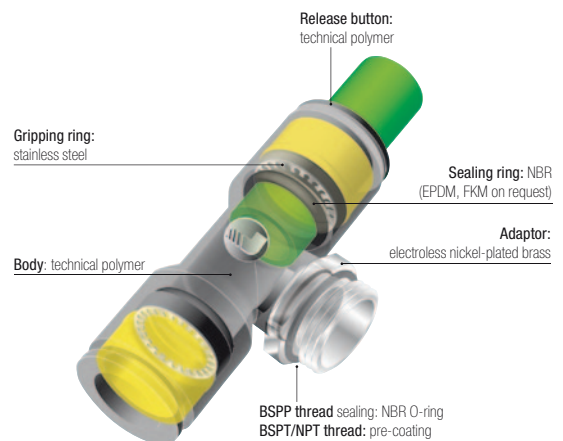
Technical Characteristics

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).

Component Materials



Silicone-free

Regulations

ISO 14743: Pneumatic fluid power, push-in connectors for thermoplastic tubes
DI: 97/23/EC (PED)


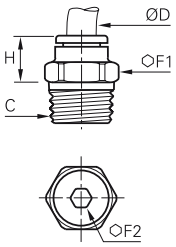
DI: 2002/95/EC (RoHS), 2011/65/EC
DI: 1907/2006 (REACH)

Stud Fittings

3175


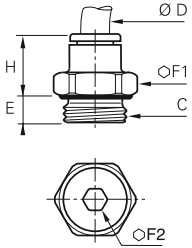
Stud Fitting, Male BSPT Thread

Inch

Image	Nickel-plated brass, NBR	ØD	C	Icon	F1	F2	H	kg	
									Pre-coated thread
		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	18	5	7.5	0.017	
			R3/8	3175 60 17	13	5	20	0.019	
		1/2	R1/2	3175 60 21	14	6	16.8	0.061	
			R1/4	3175 62 13	22	6	26.9	0.044	
			R3/8	3175 62 17	22	7	25.9	0.048	
				R1/2	3175 62 21	24	7	20.5	0.049


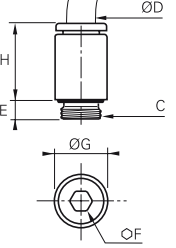
3101

Stud Fitting, Male BSPP and Metric Thread

Image	Nickel-plated brass, NBR	ØD	C	Icon	E	F1	F2	H	kg	
										* Bi-material O ring seal
		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	0.003	
		6	M7x1	3101 04 55	5	10	2.5	14	0.004	
			G1/8	3101 04 10	5	13	3	11.5	0.007	
		8	G1/4	3101 04 13	5.5	16	3	10.5	0.011	
			M5x0.8	3101 06 19	3	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	7.5	24	4	20	0.040	
			M10x1	3101 08 60	5	13	5	21	0.011	
		10	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	
		12	G1/2	3101 08 21	7.5	24	6	16.5	0.039	
			G1/4	3101 10 13	5.5	16	7	23	0.018	
		14	G3/8	3101 10 17	5.5	20	8	19.5	0.021	
			G1/2	3101 10 21	7.5	24	8	18.5	0.033	
		16	G1/4	3101 12 13	5.5	19	7	27.5	0.027	
			G3/8	3101 12 17	5.5	20	9	27	0.029	
		18	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	
		20	G1/2	3101 14 21	7	24	11	28	0.047	
			G3/8	3101 16 17	7.5	27	9	32.5	0.061	
				G1/2	3101 16 21	9	27	12	32.5	0.066

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Stud Fitting Round Body, Male Metric Thread

Image	Nickel-plated brass, NBR	ØD	C	Icon	E	F	G	H	kg
		4	M5x0.8	3181 04 19	3.5	2.5	8.5	14.5	0.005
			M7x1	3181 04 55	5	3	10	14	0.004
		6	M5x0.8	3181 06 19	3.5	2.5	11	16	0.007
			M7x1	3181 06 55	5	3	10	16	0.005

