

# 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



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

Applications

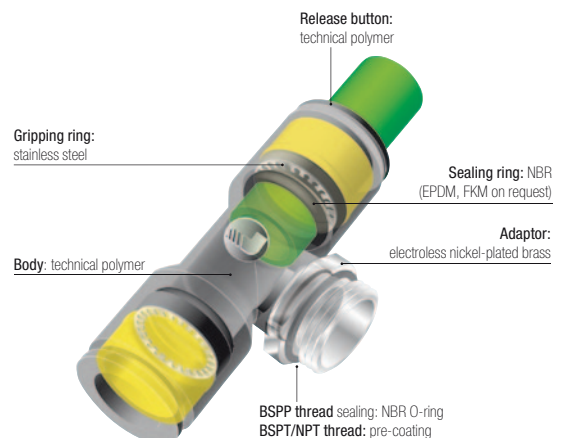
## Technical Characteristics

<b>Compatible Fluids</b>	Compressed air Other fluids: please consult us
<b>Working Pressure</b>	Vacuum to 20 bar
<b>Working Temperature</b>	-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)

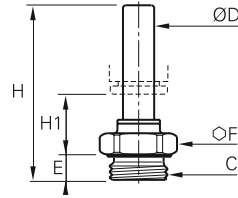
DI: 2002/95/EC (RoHS), 2011/65/EC  
DI: 1907/2006 (REACH)

# Stud Fittings

## 3131 Stud Standpipe, Male BSPP and Metric Thread



Technical polymer, nickel-plated brass, NBR

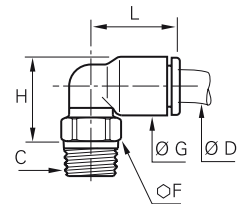


ØD	C		E	F	H	H1	kg
4	M5x0.8	<a href="#">3131 04 19</a>	3.5	8	31	16	0.002
	G1/8	<a href="#">3131 04 10</a>	5	13	30	13.5	0.005
	G1/4	<a href="#">3131 04 13</a>	5.5	16	31	13.5	0.010
6	G1/8	<a href="#">3131 06 10</a>	5	13	32	13.5	0.005
	G1/4	<a href="#">3131 06 13</a>	5.5	16	33	13.5	0.010
8	G1/8	<a href="#">3131 08 10</a>	5	13	35.5	12.5	0.008
	G1/4	<a href="#">3131 08 13</a>	5.5	16	34.5	10.5	0.010
	G3/8	<a href="#">3131 08 17</a>	5.5	20	34.5	10.5	0.015
10	G1/4	<a href="#">3131 10 13</a>	5.5	16	43.5	17.5	0.012
	G3/8	<a href="#">3131 10 17</a>	5.5	20	41.5	15.5	0.015
	G1/2	<a href="#">3131 10 21</a>	7.5	24	41.5	15.5	0.024
12	G3/8	<a href="#">3131 12 17</a>	5.5	20	42	12	0.015
	G1/2	<a href="#">3131 12 21</a>	7	24	43.5	12	0.025
14	G3/8	<a href="#">3131 14 17</a>	5.5	20	46.5	14	0.018
	G1/2	<a href="#">3131 14 21</a>	7	24	48	13.5	0.025

## 3109 Stud Elbow, Male BSPT Thread



Technical polymer, nickel-plated brass, NBR



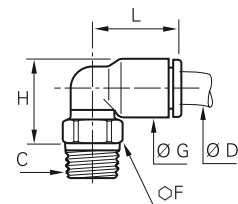
ØD	C		F	G	H	L	kg
4	R1/8	<a href="#">3109 04 10</a>	10	8.5	13.5	14	0.006
	R1/4	<a href="#">3109 04 13</a>	14	8.5	14	14	0.015
	R3/8	<a href="#">3109 04 17</a>	17	8.5	13.5	14	0.018
6	R1/8	<a href="#">3109 06 10</a>	10	10.5	15.5	16	0.006
	R1/4	<a href="#">3109 06 13</a>	14	10.5	16	16	0.015
	R3/8	<a href="#">3109 06 17</a>	17	10.5	16	16	0.019
8	R1/2	<a href="#">3109 06 21</a>	21	10.5	16.5	16	0.034
	R1/8	<a href="#">3109 08 10</a>	10	13.5	19	23	0.007
	R1/4	<a href="#">3109 08 13</a>	14	13.5	18	23	0.014
10	R3/8	<a href="#">3109 08 17</a>	17	13.5	18	23	0.018
	R1/2	<a href="#">3109 08 21</a>	21	13.5	19.5	23	0.033
	R1/8	<a href="#">3109 10 10</a>	15	16	23	26.5	0.012
12	R1/4	<a href="#">3109 10 13</a>	15	16	22	26.5	0.014
	R3/8	<a href="#">3109 10 17</a>	17	16	22	26.5	0.019
	R1/2	<a href="#">3109 10 21</a>	21	16	22	26.5	0.031
14	R1/4	<a href="#">3109 12 13</a>	15	19	25	31	0.016
	R3/8	<a href="#">3109 12 17</a>	17	19	25	31	0.022
	R1/2	<a href="#">3109 12 21</a>	21	19	25	31	0.033
16	R3/8	<a href="#">3109 14 17</a>	20	22	30.5	35.5	0.031
	R1/2	<a href="#">3109 14 21</a>	24	22	28.5	35.5	0.041
16	R3/8	<a href="#">3109 16 17</a>	27	27	53	39	0.106
	R1/2	<a href="#">3109 16 21</a>	27	27	53	39	0.104

Pre-coated thread  
The body swivels for positioning purposes.

## 3109 Stud Elbow, Male NPT Thread



Technical polymer, nickel-plated brass, NBR



ØD	C		F	G	H	L	kg
4	NPT1/8	<a href="#">3109 04 11</a>	11	8.4	13.5	14	0.007
	NPT1/4	<a href="#">3109 04 14</a>	14	8.4	14	14	0.016
6	NPT1/8	<a href="#">3109 06 11</a>	11	10.5	15.5	16	0.007
	NPT1/4	<a href="#">3109 06 14</a>	14	10.5	16	16	0.017
8	NPT1/8	<a href="#">3109 08 11</a>	11	13.5	19	23.1	0.009
	NPT1/4	<a href="#">3109 08 14</a>	14	13.5	18	23.1	0.015
10	NPT1/4	<a href="#">3109 10 14</a>	15	16	23	26.5	0.017
	NPT3/8	<a href="#">3109 10 18</a>	18	16	22	26.5	0.024
	NPT1/2	<a href="#">3109 10 22</a>	22	16	23	26.5	0.045
12	NPT3/8	<a href="#">3109 12 18</a>	18	19	25	31	0.050
	NPT1/2	<a href="#">3109 12 22</a>	22	19	26	31	0.092

Pre-coated thread  
The body swivels for positioning purposes.