

# LF 6100 Push-In Fittings

This fittings range dedicated to **lubrication and vacuum systems**, combines very high performance and manual connection. This technology **secures the connection** and sealing performance, even at high pressure.

## Product Advantages

**Robust** | Designed for mechanically demanding environments  
Excellent pressure and temperature resistance  
Stamped brass forgings for increased service life

**Secure & Reliable** | Perfect sealing guaranteed by the three rings  
The two sealing O-rings positioned before the gripping ring endure no scratching on the tube in the sealing area  
Manual connection for time-saving  
No fluid loss  
Tube cannot be disconnected without the use of a spanner  
Up to 60 bar with rigid polymer or grooved metal tubing  
100% leak-tested in production



Construction Equipment  
Lubrication  
Transportation  
Measurement Systems  
Industrial Machines  
Industrial Vacuum

Applications

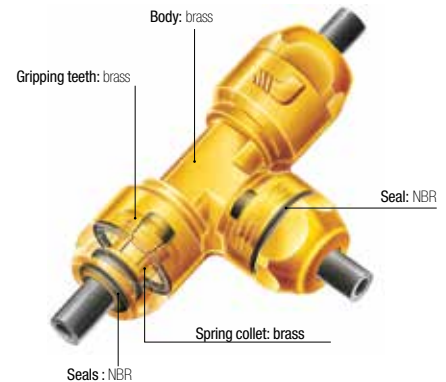
## Technical Characteristics

<b>Compatible Fluids</b>	Lubricants, compressed air, vacuum, other fluids and compatible gases
<b>Working Pressure</b>	Vacuum to 60 bar
<b>Working Temperature</b>	-40° to +120°C

<b>Max./Min. Tightening Torques (daN.m)</b>	<b>Thread</b>	M6 x1	M8 x1	M8 x1.25	M10 x1	M12 x1	M14 x1.5	R 1/8	R 1/4
	<b>Taper</b>	0.2/0.6	0.2/1.2	0.2/1	0.2/1.2	0.2/2	0.5/1.5	0.2/1.0	0.5/1.5
	<b>Parallel</b>	-	0.6/1	-	0.6/1	1.8/2.2	-	-	-

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

DI: 97/23/EC (PED)  
DI: 2002/95/EC (RoHS),  
2011/65/EC

DI: 94/9/EC (ATEX )  
RG: 1907/2006 (REACH)

### Performance

#### Working Pressure / Temperature According to the Tubing Used

O.D. of Tube	-20°C to +20°C		+20°C to +30°C		+30°C to +50°C		+50°C to +80°C		+80°C to 120°C
	Semi-Rigid PA	Rigid PA	Semi-Rigid PA	Rigid PA	Semi-Rigid PA	Rigid PA	Semi-Rigid PA	Rigid PA	FEP
2x4	40	-	33	-	25.5	-	19	-	-
2.5x4	-	52	-	43	-	32	-	24.5	7
2.7x4	23	-	19	-	15	-	11	-	-
4x6	24	45	20	37	15.5	29	11	21	6
5x8	-	52	-	43	-	33	-	24	-
6x8	17	32	14	27	11	21	8	15	4
6x10	-	57	-	47	-	37	-	27	-
7.5x10	17	-	14	-	11	-	8	-	-
8x10	14	-	12	-	9	-	7	-	3

Should your requirement not be covered by our standard range, please consult us for customised fittings.