LEGRIS LF 3000®



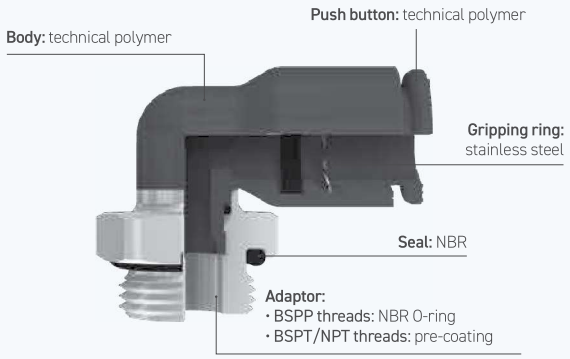
Ideal fitting for pneumatic applications in standard industrial environments. Invented by Legris in the 1960s, push-in fitting technology provides a **reliable and easy-to-use connection for increased productivity.**

Technical specifications

- **Fluids:** compressed air and neutral gases
- **Operating pressure:** 10^{-2} millibar to 20 bar
- **Operating temperature:** -20°C to +80°C
- **Diameter:** 3 to 16 mm – 1/8" to 1/2"
- **Regulations:** RoHS, REACh, ISO 14743, PED

Performance depends on the fluids, materials and tube used.

Component materials



Benefits

Proven push-in connection technology:

- **Robust gripping ring,** tested for endurance without failure over more than 229 million cycles *(test carried out in accordance with ISO 19973)*.
- **Patented nitrile seal (NBR):** the specific shape of the seal reduces connection forces and improves sealing without a pumping effect for both static and dynamic use.
- **Technical polymer reinforced** with fibreglass for improved mechanical and chemical resistance.

Compact solutions to optimise space:

- **Developed to fit into confined spaces**, this design allows for installation without compromising on performance.
- **Includes banjos** that facilitate access and maintenance.

Multiple shapes and sizes for flexible configurations:

- **Over 20 shapes and 8 diameters.**
- **Specific features available:** 360° swivel banjo fittings and oscillating fittings.

Recommended applications



Numerous configurations to optimise pneumatic automation circuits



Reliable for withstanding numerous pressure cycles in packaging processes



Perfectly suited for vacuum used in gripping applications

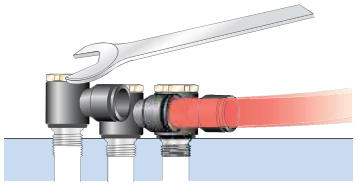
Parker offers **3 versions in the Legris LF 3000® range**

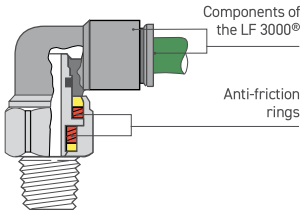


▶ Banjo fittings

Legris LF 3000® banjo fittings can be screwed in from above, making them easy to install in confined spaces, and offer 360° orientation for flexible positioning.

By stacking two or three bodies using a single screw, a wide variety of configurations are possible, including combining different tube diameters.





▶ Swivel fittings

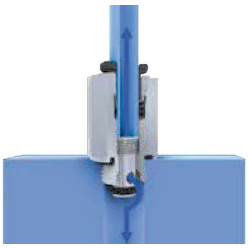
Equipped with anti-friction rings, the fittings rotate when the cylinder is in motion. This eliminates the risk of tube pinching and improves the mechanical integrity and longevity of the fitting-tube assembly.





▶ Self-sealing fittings

Push-in fittings equipped with a valve that closes automatically when the tube is removed, preventing any air leakage — ideal solution when the circuit pressure cannot be shut off.



Installation guide

LF3000® fittings

Maximum tightening torque (daN.m)	Threads									
	M3x0.5	M5x0.8	M7x1	M10x1	M12x1.5	G1/8	G1/4	G3/8	G1/2	G3/4
	0.06	0.16	0.8	0.8	1.1	0.8	1.2	3	3.5	5

Banjo fittings

Torque for tightening (daN.m)	Threads					
	M3x0.5	M5x0.8	G1/8	G1/4	G3/8	G1/2
	0.05	0.1	0.4	0.5	0.6	0.7