LEGRIS BLOCKING FITTINGS



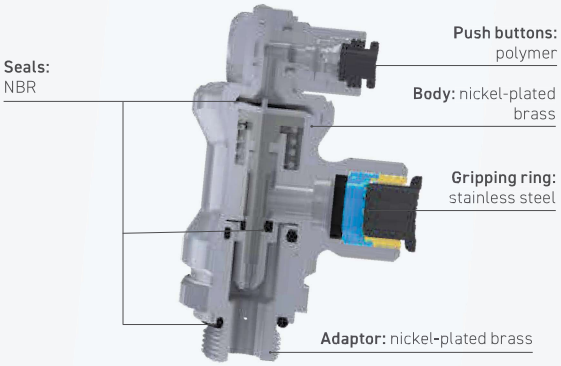
In the event of a drop in control pressure, the reliability of Legris blocking fittings ensures operator safety and protects installations by cutting off the compressed air supply.

Technical specifications

- **Fluids:** compressed air
- **Operating pressure:** 1 to 10 bar
- **Operating temperature:** -20°C to +80°C
- **Tube diameter:** 6 to 12 mm
- **Connection:** G1/8 to G1/2 (BSPP) – R1/8 to R1/2 (BSPT)
- **Regulations:** RoHS, REACh, ISO 14743, PED, ISO 13849-1

Performance depends on the fluid, material and tube used.

Component materials



Benefits

- **Safety product**: endurance tested in accordance with the requirements of DI 2006/42/EC (B10d > 400 million cycles according to ISO 19973).
- **Optimal flow rate** ensuring good cylinder performance.
- **Compact design** to suit all configurations of the pneumatic installation.
- **360° adjustable** for easy installation.
- **Metal version** designed to withstand sparks in welding processes and harsh environments.

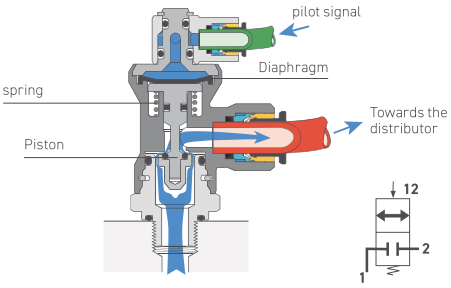
Recommended applications



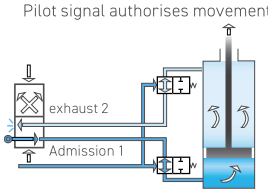
Suitable for secure retention of the cylinder rod

Operating principle

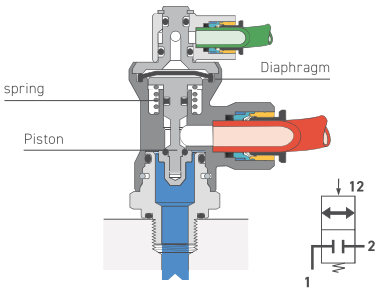
Cylinder in operation (pilot signal active)



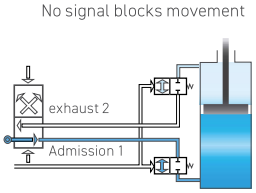
Pilot signal authorises movement



Blocked cylinder (de-piloted)

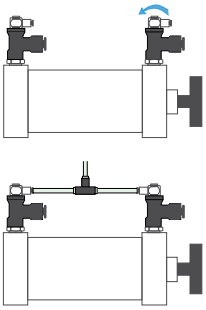


No signal blocks movement



Installation guide

Mounted in pairs, the cylinder blocking fittings are installed directly on the cylinder. Their total orientability provides great flexibility for the creation of pneumatic circuits.



Tightening torque maximum (daN.m)	Threads			
	G1/8	G1/4	G3/8	G1/2
	0.8	1.2	3	3.5

User guide

Model	Flow rate inlet 6 bar	Pilot and de-pilot threshold depending on inlet pressure					
			2 bar	4 bar	6 bar	8 bar	10 bar
ØD 6 and 8 mm, G1/8, G1/4, R1/8, R1/4 threads	650 Nl/min	Pilot pressure	2.40	2.90	3.30	3.60	4.00
	650 Nl/min	Depilot Pressure	1.50	1.80	2.15	2.40	2.80
ØD 10 and 12 mm, G3/8, G1/2, R3/8, R1/2 threads	1600 Nl/min	Pilot pressure	2.70	3.20	3.50	3.80	4.10
	1600 Nl/min	Depilot Pressure	1.40	1.80	2.10	2.40	2.70

7880

Blocking Fitting, Male BSPP Thread

Nickel-plated brass, NBR



Scan for more dimensions

ØD	C	References
6	G1/8	7880 06 10
	G1/4	7880 06 13
8	G1/4	7880 08 13
	G3/8	7880 08 17
10	G3/8	7880 10 17
12	G1/2	7880 12 21

7885

Blocking Fitting, Male BSPT Thread

Nickel-plated brass, NBR



Scan for more dimensions

ØD	C	References
6	R1/8	7885 06 10
	R1/4	7885 06 13
8	R1/4	7885 08 13
	R3/8	7885 08 17
10	R3/8	7885 10 17
12	R1/2	7885 12 21

Pre-coated thread

7881

Blocking Fitting, Male/Female BSPP Thread

Nickel-plated brass, NBR



Scan for more dimensions

C1	C2	References
G1/8	G1/4	7881 13 10
G1/4	G1/4	7881 13 13
G3/8	G3/8	7881 17 17
G1/2	G1/2	7881 21 21

7886

Blocking Fitting, Male/Female BSPT Thread

Nickel-plated brass, NBR



Scan for more dimensions

C1	C2	References
R1/8	R1/4	7886 13 10
R1/4	R1/4	7886 13 13
R3/8	R3/8	7886 17 17
R1/2	R1/2	7886 21 21

Pre-coated thread

7883

Blocker/Flow Regulator, Exhaust, Male BSPP Thread

Nickel-plated brass, technical polymer, NBR



Scan for more dimensions

ØD	C	References
4	G1/8	7883 04 10
6	G1/8	7883 06 10
	G1/4	7883 06 13
8	G1/4	7883 08 13
	G3/8	7883 08 17

Combination of blocking and flow regulation functions
Working temperature: 0 to 70°C