

Push-in L-fitting »Blue Series«, rotating, R 1/2 o. - Riegler 109434

Item no. RGL-109434

Manufacturer Riegler

EAN 4047322265416

Push-in L-fitting »Blue Series«, rotating, R 1/2 o.

TECHNICAL DATA

Betriebsdruck max [bar]	10.000000
Country of Manufacture	China
For hose OD [mm]	12
Material	Plastic or nickel-plated brass
Medium	Compressed air
Norm	DIN 13-1, DIN EN ISO 228-1
Pneumatic connection	R1/2 AG
Seal material	NBR
Series	Blaue Serie
Thread	R 1/2 AG
Weight	0.082 kg
Working pressure max. [bar]	10
Zolltarifnummer	39174000



STANDARDS & COMPLIANCE

ISO 7-1 ISO 228-1 DIN 13-1

DESCRIPTION

Push-in L-fitting »Blue Series«, rotating, R 1/2 o., for hose exterior Ø 12 mm, pmax short term 15 bar
Push-in fittings series manufactured in plastic and nickel-plated brass. All parts are suitable for use with hoses, tubes or pipes made of plastic.

TECHNICAL DATA

Series	Blue series
Max. working pressure short term	15 bar
Min. working pressure	-0.95 bar
Max. working pressure	10 bar
Max. temperature range	80 °C
Min. temperature range	-20 °C
Material	plastic and nickel-plated brass
Sealant	NBR

Medium	compressed air
Recommended hose	PU, PA (nylon)
Applications	compressed air systems, automotive, packaging industry, vacuum
Sleeve	plastic
Thread	R 1/2 ET
for tube O.D.	12 mm
L1	36.3 mm
L2	38.6 mm
a/f	24 mm

STANDARDS AND ORIGIN

- Customs tariff number: 39174000
- Country of origin: CN

ABOUT MALE ELBOWS

Push-in L-fittings turn a tube line through 90 degrees and remove the need for a separate elbow ahead of the consumer. The range accepts tube outside diameters from 3 to 16 mm and works up to 10 to 20 bar depending on version. The lower limit goes down to -0.99 bar, so vacuum lines can be built with the same parts.

WHAT MATTERS WHEN CHOOSING

- Thread: The range covers G 1/8 to G 1/2 male, tapered R 1/8 to R 1/2 male, metric M3, M5 and M6 male plus G 1/4 female. Versions with two ports list thread 1 from G 1/8 to G 1/2 female and thread 2 from G 1/8 male to R 1/2 male separately.
- For tube O.D.: The figure of 3 to 16 mm refers to the outside diameter of the tube, not to the nominal bore. It has to match the tube exactly, otherwise the collet loses its grip.
- Working pressure: The upper limit sits between 10 and 20 bar, the lower limit between -0.99 and 0 bar. Vacuum work calls for the version with the negative lower limit.
- Material and sealant: Plastic with nickel-plated brass, all nickel-plated brass and stainless steel 1.4404 are available, sealed with NBR, FKM or FPM, or FKM or FPM in an FDA-compliant version.
- Medium and series: Besides compressed air, the data covers water, neutral gases and liquids, oil and grease as well as corrosive media within the limits of material compatibility. Series range from Blue Series and Blue Series mini through click-clock, metallica and universal short to inox line and NonPlusUltra.

TYPICAL APPLICATIONS

- Connecting pneumatic cylinders where a straight outlet leaves no room at the end cap.
- Piping valve manifolds and control blocks with tight bend radii.
- Vacuum lines on suction cups and handling equipment.
- Plants with wash-down cycles, where stainless steel 1.4404 faces splash water and cleaning agents.

- Filling and packaging lines that need an FDA-compliant seal close to the product.

Thread standards ISO 7-1, DIN EN ISO 228-1 and DIN 13-1 are recorded for part of the 445 items.
Operating temperature is given as -20 °C at the low end and, depending on material, 80 to 150 °C at the top.