

Push-in T-fitting »Blue Series«, rotating, R 1/4 o. - Riegler 109497

Item no. RGL-109497

Manufacturer Riegler

EAN 4047322025607

Push-in T-fitting »Blue Series«, rotating, R 1/4 o.

TECHNICAL DATA

Betriebsdruck max [bar]	10.000000
Country of Manufacture	China
For hose OD [mm]	10
Material	Plastic or nickel-plated brass
Medium	Compressed air
Norm	DIN 13-1, DIN EN ISO 228-1
Pneumatic connection	R1/4 AG
Seal material	NBR
Series	Blaue Serie
Thread	R 1/4 AG
Weight	0.029 kg
Working pressure max. [bar]	10
Zolltarifnummer	39174000



STANDARDS & COMPLIANCE

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

DESCRIPTION

Push-in T-fitting »Blue Series«, rotating, R 1/4 o., for hose exterior Ø 10 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 1/4 ET
for tube O.D.	10 mm
L1	53.8 mm
L2	29.6 mm
a/f	17 mm

STANDARDS AND ORIGIN

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

ABOUT MALE BRANCH TEES

A push-in T-fitting takes a second outlet directly out of a running compressed air line, so no separate manifold is needed. The tube is pushed in without tools and released via the release ring. The range covers tube outside diameters from 3 to 16 mm at working pressures of 10 to 20 bar.

WHAT MATTERS WHEN CHOOSING

- Pick the thread to match the port. Parallel G threads run from G 1/8 to G 1/2, tapered R threads from R 1/8 to R 1/2, with M3, M5 and M6 available for small valve and cylinder ports.
- The tube O.D. follows the line, not the thread. Sizes from 3 to 16 mm are covered and most thread and diameter combinations are available.
- Material depends on the surroundings. Plastic with nickel-plated brass is the standard build, all nickel-plated brass the fully metallic version, stainless steel 1.4404 the choice for corrosive atmospheres.
- The sealant follows the medium. NBR covers plain compressed air, FKM or FPM suits higher temperatures and oil-bearing media, and the FDA-compliant FKM version is intended for food contact applications.
- Operating temperature starts at -20 °C and ends either at 80 °C or at 150 °C depending on the version. Above 80 °C, check the data table of the individual article.

TYPICAL APPLICATIONS

- Branching the air supply to two cylinders working in parallel on an assembly fixture
- Tapping off a pressure switch or gauge from a continuous line
- Building distribution runs and ring mains along the machine frame
- Linking closely spaced valve ports with M5 threads in tight installation space
- Connecting blow guns and blow-off nozzles to an existing supply line

Threads are made to DIN EN ISO 228-1, ISO 7-1 and DIN 13-1. Besides the Blue Series and Blue

A1-ESD equipment

Keldersstr. 15
42697 Solingen, Deutschland
VAT ID: DE269659389

Phone: +49 212 38340680
shop@esd-equipment.com
fluidics-equipment.com

Page 2/3

Series mini, the inox line, click-clock, metallica, universal short and NonPlusUltra ranges are available, 344 articles in total.