

QR1-S-RAS standard series

R432000031

2026-03-04

AVENTICS Series QR1 Fittings

AVENTICS Series QR1 push-in connectors with easy, secure mounting are available in many versions: for tubing diameters from 3 to 16 mm, as well as in plastic, metal, and stainless steel variants. QR1 Series offers a cylindric thread that allows repeated connection and release without problems (Quick Release) and captive O-ring guarantees an optimal sealing. Our QR program offers the right solution for every application and industry.



Technical data

Industry

Industrial

Note

Archive product: Do not use in new constructions!

Fitting type

Push-in connector

Compressed air connection type

External thread

Port G

1/2 NPT

Compressed air connection type 2

pin bushing

Port D

Ø1/2

Type

QR1-S-RAS

Min. working pressure

-0.95 bar

Max. working pressure

16 bar

Min. ambient temperature

-20 °C

Max. ambient temperature

80 °C

Delivery quantity

5 piece

Weight

0.05 kg

Material

Surface

nickel-plated

Housing material

Polyamide

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Seal material	Acrylonitrile butadiene rubber
Material thread	Brass
Surface thread	nickel-plated
Part No.	R432000031

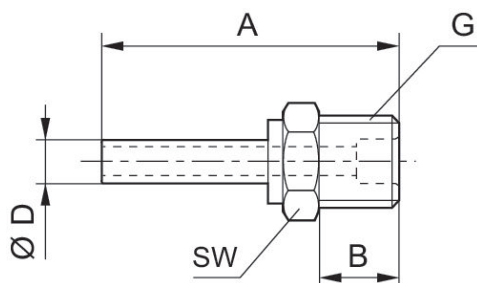
Technical information

The series QR1 (plastic) and QR2 (metal) can not be combined.

Thread seal with captive O-ring

These pneumatic components with NPT or inch thread dimensions are only available from our US sales organization.

Dimensions in inches



Dimensions in inches

Part No.	Port D	Port G	A	B	SW
R432000045	Ø5/32	10-32 UNF	1.45	0.16	3/8
R432000034	Ø1/4	10-32 UNF	1.65	0.16	3/8
R432000047	Ø5/32	1/8 NPT	1.3	0.32	13/32
R432000036	Ø1/4	1/8 NPT	1.5	0.32	13/32
R432000037	Ø1/4	3/8 NPT	1.65	0.47	11/16
R432000046	Ø5/32	1/4 NPT	1.42	0.43	9/16
R432000035	Ø1/4	1/4 NPT	1.62	0.43	9/16
R432000042	Ø5/16	1/4 NPT	1.7	0.43	9/16
R432000039	Ø 3/8	1/4 NPT	2.17	0.43	19/32
R432000032	Ø1/2	1/4 NPT	2.44	0.43	23/32
R432000044	Ø5/16	3/8 NPT	1.73	0.47	11/16
R432000040	Ø 3/8	3/8 NPT	1.93	0.47	11/16
R432000033	Ø1/2	3/8 NPT	2.4	0.47	23/32
R432000038	Ø 3/8	1/2 NPT	2.05	0.59	27/32
R432000031	Ø1/2	1/2 NPT	2.25	0.59	27/32