

QR1-S-RIW standard series

R432000077

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

Swivel banjo connection 1-fold, with internal thread

Compressed air connection type

External thread

Port G

3/8 NPT

Compressed air connection type 2

Push-in fitting

Port D

Ø1/2

Compressed air connection type 3

Internal thread

Type

QR1-S-RIW

Min. working pressure

-0.95 bar

Max. working pressure

10 bar

Min. ambient temperature

0 °C

Max. ambient temperature

60 °C

Weight

0.03 kg

Material

Surface

nickel-plated

Housing material

Polybutyleneterephthalate

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Seal material	Acrylonitrile butadiene rubber
Material tooth lock washer	Stainless Steel
Material release ring	Polyoxymethylene
Material release ring holder	Die cast zinc
	Brass
Surface release ring holder	nickel-plated
Material thread	Brass
Surface thread	nickel-plated
Part No.	R432000077

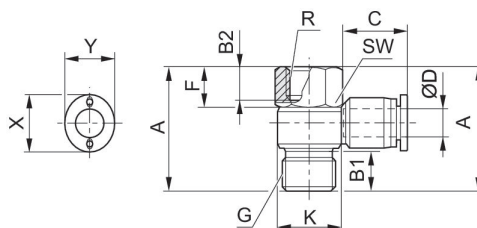
Technical information

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	B1	B2	C	F	Ø K	SW	X
R432000086	Ø5/32	10-32 UNF	0.83	0.16	0.2	0.63	0.26	0.39	5/16	0.473
R432000078	1/4 NPT	10-32 UNF	0.83	0.16	0.2	0.67	0.26	0.39	5/16	0.552
R432000087	Ø5/32	1/8 NPT	0.89	0.2	0.24	0.63	0.28	0.39	9/16	0.473
R432000080	Ø1/4	1/8 NPT	1.42	0.43	0.47	0.67	0.45	0.57	9/16	0.552
R432000084	Ø5/16	1/8 NPT	1.2	0.32	0.36	0.73	0.37	0.57	9/16	0.63
R432000079	Ø1/4	1/4 NPT	1.42	0.43	0.47	0.67	0.45	0.73	11/16	0.552
R432000083	Ø5/16	1/4 NPT	1.42	0.43	0.47	0.73	0.45	0.73	11/16	0.63
R432000081	Ø 3/8	1/4 NPT	1.42	0.43	0.47	0.83	0.45	0.73	11/16	0.749
R432000085	Ø5/16	3/8 NPT	1.65	0.47	0.51	0.73	0.53	0.87	7/8	0.63
R432000082	Ø 3/8	3/8 NPT	1.65	0.47	0.51	0.83	0.55	0.87	7/8	0.749
R432000077	Ø1/2	3/8 NPT	1.65	0.47	0.51	0.89	0.55	0.87	7/8	0.906
R432000076	Ø1/2	1/2 NPT	2.01	0.59	0.63	0.89	0.67	1.1	1	0.906

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Part No.	Y
R432000086	0.39
R432000078	0.47
R432000087	0.39
R432000080	0.47
R432000084	0.55
R432000079	0.47
R432000083	0.55
R432000081	0.67
R432000085	0.52
R432000082	0.67
R432000077	0.83
R432000076	0.83