

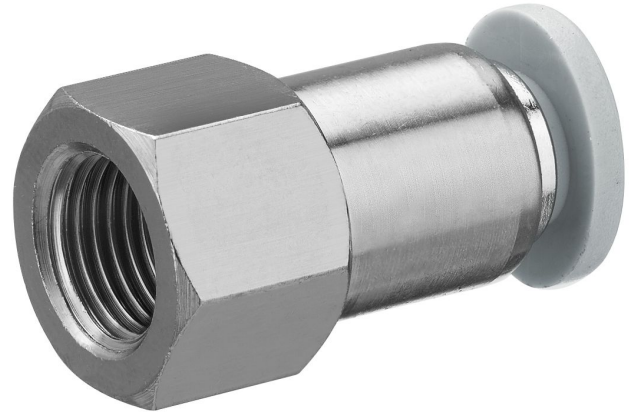
QR1-S-RAI standard series

R432000025

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

Straight female stud fitting

Compressed air connection type

Internal thread

Port G

1/2 NPT

Compressed air connection type 2

Push-in fitting

Port D

Ø5/16

Type

QR1-S-RAI

Min. working pressure

-0.95 bar

Max. working pressure

16 bar

Min. ambient temperature

-20 °C

Max. ambient temperature

80 °C

Delivery quantity

10 piece

Weight

0.05 kg

Material

Surface

nickel-plated

Housing material

Polyamide

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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.	R432000025

Technical information

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

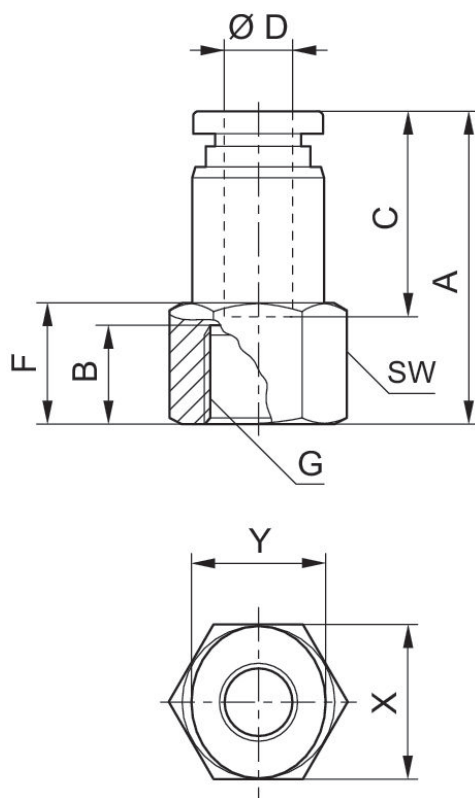
These pneumatic components with NPT or inch thread dimensions are only available from our US sales organization.

Dimensions in inches

QR1-S-RAI standard series

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Dimensions in inches

Part No.	Port D	Port G	A	B	F	C	SW	X	Y
R432000030	Ø5/32	1/8 NPT	1.01	0.36	0.43	0.63	9/16 "	0.47	0.39
R432000020	Ø1/4	1/8 NPT	1.06	0.36	0.39	0.67	9/16 "	0.47	0.39
R432000027	Ø5/16	1/8 NPT	1.13	0.36	0.47	0.73	9/16 "	0.63	0.55
R432000029	Ø5/32	1/4 NPT	1.13	0.47	0.55	0.63	11/16 "	0.47	0.39
R432000019	Ø1/4	1/4 NPT	1.18	0.47	0.55	0.67	11/16 "	0.47	0.39
R432000026	Ø5/16	1/4 NPT	1.23	0.47	0.59	0.73	11/16 "	0.63	0.55
R432000023	Ø 3/8	1/4 NPT	1.34	0.47	0.51	0.83	11/16 "	0.75	0.67
R432000017	Ø1/2	1/4 NPT	1.43	0.47	0.51	0.89	7/8 "	0.91	0.83
R432000021	Ø1/4	3/8 NPT	1.23	0.51	0.59	0.67	7/8 "	0.47	0.39
R432000028	Ø5/16	3/8 NPT	1.28	0.51	0.63	0.73	7/8 "	0.63	0.55
R432000024	Ø 3/8	3/8 NPT	1.38	0.51	0.59	0.83	7/8 "	0.75	0.67
R432000018	Ø1/2	3/8 NPT	1.47	0.51	0.55	0.89	7/8 "	0.91	0.83
R432000025	Ø5/16	1/2 NPT	1.4	0.63	0.75	0.73	7/8 "	0.63	0.55
R432000022	Ø 3/8	1/2 NPT	1.56	0.63	0.75	0.83	7/8 "	0.75	0.67
R432000016	Ø1/2	1/2 NPT	1.56	0.63	0.75	0.89	7/8 "	0.91	0.83