

QR1-S-RAT standard series

R432000282

2026-03-05

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

Elbow fitting 45°

Compressed air connection type

External thread

Port G

1/2 NPT

Compressed air connection type 2

Push-in fitting

Port D

Ø1/2

Type

QR1-S-RAT

Min. working pressure

-0.95 bar

Max. working pressure

10 bar

Min. ambient temperature

0 °C

Max. ambient temperature

60 °C

Delivery quantity

10 piece

Weight

0.05 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.	R432000282

Technical information

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

Thread seal with captive O-ring

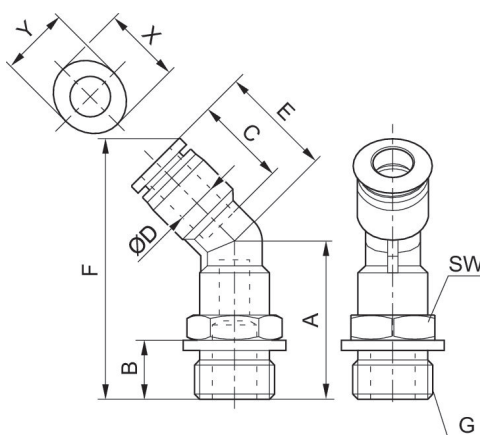
These pneumatic components with NPT or inch thread dimensions are only available from our US sales organization.

Dimensions in inches

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Dimensions in inches

Part No.	Port D	Port G	A	B	C	E	F	SW	X	Y
R432000298	Ø5/32	10-32 UNF	0.87	0.22	0.63	0.71	1.37	7/16	0.47	0.39
R432000286	Ø1/4	10-32 UNF	0.91	0.22	0.67	0.81	1.48	1/2	0.55	0.47
R432000300	Ø5/32	1/8 NPT	0.91	0.32	0.63	0.71	1.41	7/16	0.47	0.39
R432000288	Ø1/4	1/8 NPT	0.99	0.32	0.67	0.81	1.56	1/2	0.55	0.47
R432000296	Ø5/16	1/8 NPT	1.06	0.32	0.73	0.89	1.7	9/16	0.63	0.55
R432000292	Ø 3/8	1/8 NPT	1.26	0.32	0.83	1.03	1.98	11/16	0.75	0.67
R432000284	Ø1/2	1/8 NPT	1.34	0.32	0.89	1.15	2.16	7/8	0.91	0.83
R432000299	Ø5/32	1/4 NPT	1.09	0.43	0.63	0.71	1.47	9/16	0.47	0.39
R432000287	Ø1/4	1/4 NPT	1.15	0.43	0.67	0.81	1.72	9/16	0.55	0.47
R432000295	Ø5/16	1/4 NPT	1.22	0.43	0.73	0.89	1.85	9/16	0.63	0.55
R432000291	Ø 3/8	1/4 NPT	1.38	0.43	0.83	1.03	2.1	11/16	0.75	0.67
R432000283	Ø1/2	1/4 NPT	1.46	0.43	0.89	1.15	2.27	7/8	0.91	0.83
R432000289	Ø1/4	3/8 NPT	1.23	0.47	0.67	0.81	1.8	11/16	0.55	0.47
R432000297	Ø5/16	3/8 NPT	1.26	0.47	0.73	0.89	1.89	11/16	0.63	0.55
R432000293	Ø 3/8	3/8 NPT	1.42	0.47	0.83	1.03	2.14	11/16	0.75	0.67
R432000285	Ø1/2	3/8 NPT	1.5	0.47	0.89	1.15	2.31	7/8	0.91	0.83
R432000294	Ø5/16	1/2 NPT	1.42	0.59	0.73	0.89	2.05	7/8	0.63	0.55
R432000290	Ø 3/8	1/2 NPT	1.54	0.59	0.83	1.03	2.26	7/8	0.75	0.67
R432000282	Ø1/2	1/2 NPT	1.62	0.59	0.89	1.15	2.43	7/8	0.91	0.83