

QR1-S-RPN standard series

R432000139

2025-04-24

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
Fitting type	Straight fitting
Compressed air connection type	External thread
Port G	10-32 UNF
Compressed air connection type 2	Push-in fitting
Port D	Ø5/32
Type	QR1-S-RPN
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	0.009 kg

Material

Housing material	Polyamide
Seal material	Acrylonitrile butadiene rubber
Material tooth lock washer	Stainless Steel
Material release ring	Polyamide

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Material release ring holder	Die cast zinc
	Brass
Surface release ring holder	nickel-plated
Material thread	Brass
Surface thread	nickel-plated
Part No.	R432000139

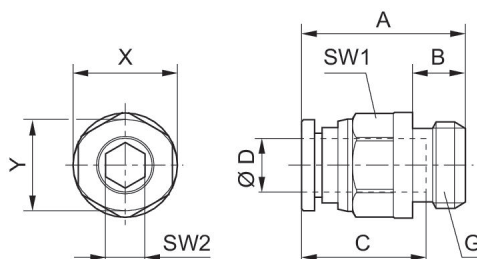
Technical information

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



Dimensions in inches

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Part No.	Port D	Port G	A	B	C	SW1	SW2	X	Y
R432000139	Ø5/32	10-32 UNF	0.87	0.16	0.63	7/16	0.09	0.47	0.39
R432000126	Ø1/4	10-32 UNF	0.99	0.16	0.67	1/2	0.09	0.55	0.47
R432000141	Ø5/32	1/8 NPT	0.87	0.32	0.63	7/16	0.09	0.47	0.39
R432000127	Ø1/4	1/4 NPT	1.01	0.43	0.67	9/16	0.16	0.55	0.47
R432000128	Ø1/4	1/8 NPT	0.93	0.32	0.67	1/2	0.16	0.55	0.47
R432000137	Ø5/16	1/8 NPT	1.14	0.32	0.73	9/16	0.19	0.63	0.55
R432002636	Ø 3/8	1/8 NPT	1.24	0.32	0.83	11/16	0.19	0.75	0.67
R432000140	Ø5/32	1/4 NPT	0.87	0.43	0.63	9/16	0.09	0.47	0.39
R432000127	Ø1/4	1/4 NPT	1	0.43	0.67	9/16	0.16	0.55	0.67
R432000136	Ø5/16	1/4 NPT	1.08	0.43	0.73	9/16	0.22	0.63	0.55
R432000133	Ø 3/8	1/4 NPT	1.38	0.43	0.83	11/16	0.22	0.75	0.67
R432000124	Ø1/2	1/4 NPT	1.18	0.43	0.89	7/8	0.25	0.91	0.67
R432000129	Ø1/4	3/8 NPT	0.99	0.47	0.67	11/16	0.16	0.55	0.47
R432000138	Ø5/16	3/8 NPT	1.01	0.47	0.73	11/16	0.22	0.63	0.55
R432000134	Ø 3/8	3/8 NPT	1.2	0.47	0.83	11/16	0.31	0.75	0.67
R432000125	Ø1/2	3/8 NPT	1.28	0.47	0.89	7/8	0.31	0.91	0.83
R432000135	Ø5/16	1/2 NPT	1.1	0.59	0.73	7/8	0.22	0.63	0.55
R432000132	Ø 3/8	1/2 NPT	1.18	0.59	0.83	7/8	0.31	0.75	0.67
R432000123	Ø1/2	1/2 NPT	1.36	0.59	0.89	7/8	0.31	0.91	0.83