

QR1-S-RW1 standard series

R432000253

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

Swivel banjo connection 1-fold

Compressed air connection type

External thread

Port G

1/8 NPT

Compressed air connection type 2

Push-in fitting

Port D

Ø5/16

Type

QR1-S-RW1

Min. working pressure

-0.95 bar

Max. working pressure

16 bar

Min. ambient temperature

-20 °C

Max. ambient temperature

80 °C

Weight

0.014 kg

Material

Surface

nickel-plated

Housing material

Polyamide

Seal material

Acrylonitrile butadiene rubber

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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.	R432000253

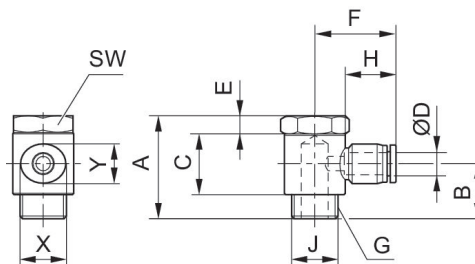
Technical information

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	C	E	F	H	Ø J	SW
R432000254	Ø5/32	10-32 UNF	0.61	–	0.351	0.118	0.78	0.63	0.41	13/32
R432000255	Ø5/32	1/8 NPT	0.95	–	0.473	0.158	0.85	0.63	0.57	7/16
R432000248	Ø1/4	1/8 NPT	0.95	–	0.473	0.158	0.93	0.67	0.57	7/16
R432000253	Ø5/16	1/8 NPT	1.08	–	0.465	0.177	1.12	0.73	0.73	9/16
R432000249	Ø1/4	1/4 NPT	1.08	–	0.465	0.177	1.01	0.67	0.73	9/16
R432000250	Ø3/8	1/4 NPT	1.08	–	0.465	0.177	1.25	0.83	0.73	9/16
R432000252	Ø5/16	1/4 NPT	1.15	–	0.611	0.197	1.13	0.73	0.87	9/16
R432000251	Ø3/8	3/8 NPT	1.28	–	0.611	0.197	1.26	0.83	0.87	3/4
R432000247	Ø1/2	3/8 NPT	1.28	–	0.611	0.197	1.43	0.89	0.87	3/4
R432000246	Ø1/2	1/2 NPT	1.49	–	0.697	0.197	1.43	0.89	1.1	1

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Part No.	X	Y
R432000254	0.47	0.39
R432000255	0.47	0.39
R432000248	0.55	0.47
R432000253	0.63	0.55
R432000249	0.55	0.47
R432000250	0.75	0.67
R432000252	0.63	0.55
R432000251	0.75	0.67
R432000247	0.91	0.83
R432000246	0.91	0.83