

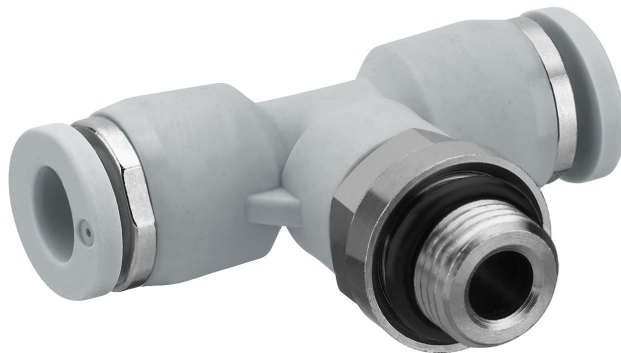
QR1-S-RTT standard series

R432000174

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	T-union
Compressed air connection type	External thread
Port G	10-32 UNF
Compressed air connection type 2	Push-in fitting
Port D	Ø1/4
Type	QR1-S-RTT
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	0.03 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.	R432000174

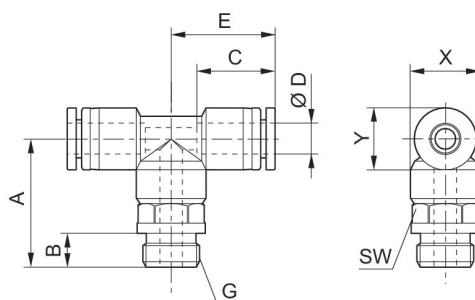
Technical information

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	E	SW	X	Y
R432000171	Ø1/2	1/2 NPT	1.62	0.59	0.89	1.15	7/8	0.91	0.83
R432000172	Ø1/2	1/4 NPT	1.46	0.43	0.89	1.15	7/8	0.91	0.83
R432000173	Ø1/2	3/8 NPT	1.5	0.47	0.89	1.15	7/8	0.91	0.83
R432000174	Ø1/4	10-32 UNF	0.91	0.22	0.67	0.81	1/2	0.55	0.47
R432000175	Ø1/4	1/4 NPT	1.15	0.43	0.67	0.81	9/16	0.55	0.47
R432000176	Ø1/4	1/8 NPT	0.99	0.32	0.67	0.81	1/2	0.55	0.47
R432000177	Ø1/4	3/8 NPT	1.23	0.47	0.67	0.81	11/16	0.55	0.47
R432000178	Ø3/8	1/2 NPT	1.54	0.59	0.83	1.03	7/8	0.75	0.67
R432000179	Ø3/8	1/4 NPT	1.38	0.43	0.83	1.03	11/16	0.75	0.67
R432000180	Ø3/8	3/8 NPT	1.42	0.47	0.83	1.03	11/16	0.75	0.67
R432000181	Ø5/16	1/2 NPT	1.43	0.59	0.73	0.89	7/8	0.63	0.55
R432000182	Ø5/16	1/4 NPT	1.22	0.43	0.73	0.89	9/16	0.63	0.55
R432000183	Ø5/16	1/8 NPT	1.06	0.32	0.73	0.89	9/16	0.63	0.55
R432000184	Ø5/16	3/8 NPT	1.26	0.47	0.73	0.89	11/16	0.63	0.55
R432000185	Ø5/32	10-32 UNF	0.87	0.22	0.63	0.71	7/16	0.47	0.39
R432000186	Ø5/32	1/4 NPT	1.09	0.43	0.63	0.71	9/16	0.47	0.39
R432000187	Ø5/32	1/8 NPT	0.97	0.32	0.63	0.71	7/16	0.47	0.39
R432000188	Ø5/32	3/8 NPT	1.13	0.47	0.63	0.71	11/16	0.47	0.39
R432002639	Ø3/8	1/8 NPT	1.26	0.32	0.83	1.03	11/16	0.75	0.67