

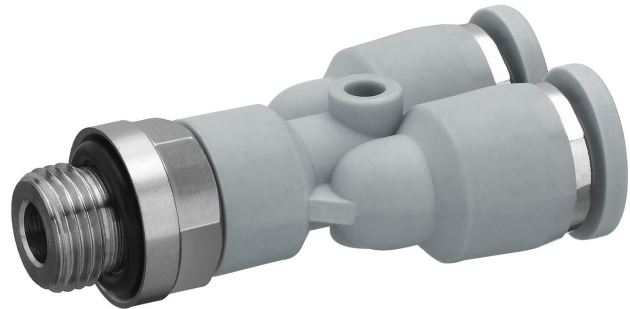
QR1-S-RAY standard series

R432000480

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

Y-fitting

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-RAY

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

0.732 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.	R432000480

Technical information

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

Thread seal with captive O-ring

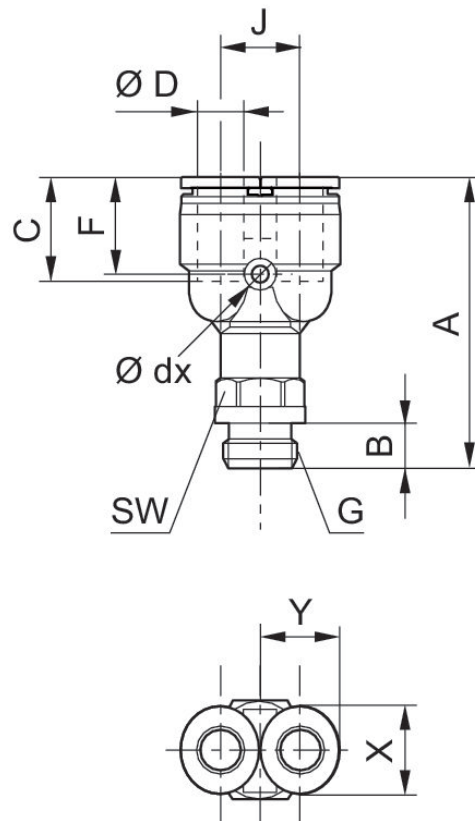
These pneumatic components with NPT or inch thread dimensions are only available from our US sales organization.

Dimensions in inches

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Dimensions in inches

Part No.	Port D	Port G	A	B	C	SW	J	X	Y
R432000473	Ø5/32	10-32 UNF	1.56	0.22	0.63	7/16	0.38	0.39	0.47
R432000476	Ø1/4	10-32 UNF	1.64	0.22	0.67	1/2	0.47	0.47	0.55
R432000474	Ø5/32	1/8 NPT	1.66	0.32	0.63	7/16	0.38	0.39	0.47
R432000477	Ø1/4	1/8 NPT	1.72	0.32	0.67	1/2	0.47	0.47	0.55
R432000480	Ø5/16	1/8 NPT	1.88	0.22	0.73	9/16	0.55	0.55	0.63
R432000484	Ø 3/8	1/8 NPT	2.17	0.32	0.83	11/16	0.71	0.67	0.75
R432000475	Ø5/32	1/4 NPT	1.77	0.43	0.63	9/16	0.38	0.39	0.47
R432000481	Ø5/16	1/4 NPT	2.04	0.32	0.73	9/16	0.55	0.55	0.63
R432000478	Ø1/4	1/4 NPT	1.88	0.43	0.67	9/16	0.47	0.47	0.55
R432000485	Ø 3/8	1/4 NPT	2.29	0.43	0.83	11/16	0.71	0.67	0.75
R432000488	Ø1/2	1/4 NPT	2.39	0.43	0.89	7/8	0.82	0.83	0.91
R432000479	Ø1/4	3/8 NPT	1.96	0.47	0.67	11/16	0.47	0.47	0.55
R432000482	Ø5/16	3/8 NPT	2.08	0.43	0.73	11/16	0.55	0.55	0.63
R432000486	Ø 3/8	3/8 NPT	2.33	0.47	0.83	11/16	0.71	0.67	0.75
R432000489	Ø1/2	3/8 NPT	2.43	0.47	0.89	7/8	0.82	0.83	0.91
R432000483	Ø5/16	1/2 NPT	2.23	0.47	0.73	7/8	0.55	0.55	0.63
R432000487	Ø 3/8	1/2 NPT	2.45	0.59	0.83	7/8	0.71	0.67	0.75
R432000490	Ø1/2	1/2 NPT	2.55	0.59	0.89	7/8	0.82	0.83	0.91