

QR1-S-RCA standard series

R432000051

2026-04-30

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	Sealing cap
Compressed air connection type	Push-in fitting
Port G	Ø1/2
Type	QR1-S-RCA
Min. working pressure	-0.95 bar
Max. working pressure	16 bar
Min. ambient temperature	-20 °C
Max. ambient temperature	80 °C
Delivery quantity	20 piece
Weight	0.009 kg

Material

Surface	nickel-plated
Housing material	Polyamide
Seal material	Acrylonitrile butadiene rubber
Material tooth lock washer	Stainless Steel
Material release ring	Polyoxymethylene
Material release ring holder	Die cast zinc

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Surface release ring holder
Part No.

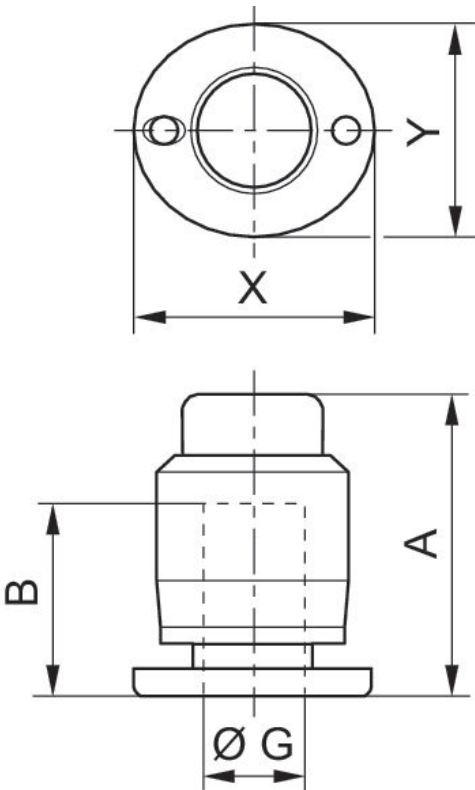
Brass
nickel-plated
R432000051

Technical information

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

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 G	A	B	X	Y
R432002351	Ø5/32	0.69	0.6	0.47	0.39
R432000052	Ø1/4	0.77	0.67	0.55	0.47
R432002352	Ø5/16	0.8	0.72	0.55	0.63
R432000053	Ø3/8	0.93	0.83	0.75	0.67
R432000051	Ø1/2	1	0.89	0.91	0.83