

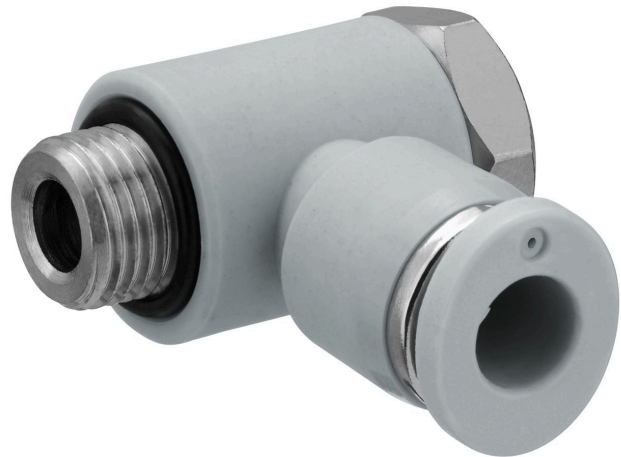
# QR1-S-RW1 standard series

R432000255

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

Ø5/32

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

0.053 kg

## Material

Surface

nickel-plated

Housing material

Polyamide

Seal material

Acrylonitrile butadiene rubber

# QR1-S-RW1 standard series

R432000255

2026-03-05

|                              |                  |
|------------------------------|------------------|
| 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.                     | R432000255       |

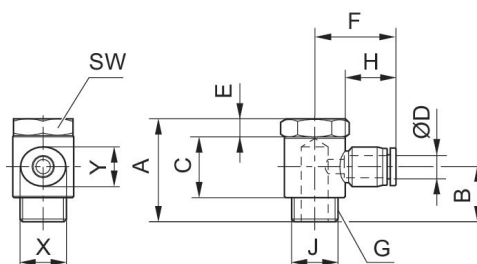
## Technical information

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 |
| <b>R432000255</b> | 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     |

# QR1-S-RW1 standard series

R432000255

2026-03-05

| Part No.          | X    | Y    |
|-------------------|------|------|
| R432000254        | 0.47 | 0.39 |
| <b>R432000255</b> | 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 |