

# QR1-S-RVT standard series

## R432000234

### General series information 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                     | Elbow fitting   |
| Compressed air connection type   | External thread |
| Port G                           | 1/8 NPT         |
| Compressed air connection type 2 | push-in fitting |
| Port D                           | Ø1/4            |
| Type                             | QR1-S-RVT       |
| Working pressure min.            | -0.95 bar       |
| Working pressure max             | 10 bar          |
| Min. ambient temperature         | 0 °C            |
| Max. ambient temperature         | 60 °C           |
| Delivery unit                    | 10 piece        |
| Weight                           | 0.014 kg        |

### Material

|                              |                                |
|------------------------------|--------------------------------|
| Surface                      | nickel-plated                  |
| Housing material             | Polybutyleneterephthalate      |
| Seal material                | Acrylonitrile butadiene rubber |
| Material tooth lock washer   | Stainless Steel                |
| Material release ring        | Polyoxymethylene               |
| Material release ring holder | Die cast zinc<br>Brass         |
| Surface release ring holder  | nickel-plated                  |

Material thread Brass  
Surface thread nickel-plated  
Part No. R432000234

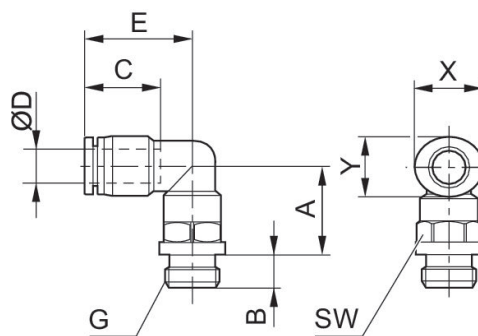
### Technical information

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    | SW    | X    | Y    |
|------------|--------|-----------|------|------|------|------|-------|------|------|
| R432000243 | Ø5/32  | 10-32 UNF | 0.65 | 0.22 | 0.63 | 0.71 | 5/16  | 0.47 | 0.39 |
| R432000232 | Ø1/4   | 10-32 UNF | 0.69 | 0.22 | 0.67 | 0.81 | 5/16  | 0.55 | 0.47 |
| R432000245 | Ø5/32  | 1/8 NPT   | 0.65 | 0.32 | 0.63 | 0.71 | 7/16  | 0.47 | 0.39 |
| R432000234 | Ø1/4   | 1/8 NPT   | 0.67 | 0.32 | 0.67 | 0.81 | 7/16  | 0.55 | 0.47 |
| R432000241 | Ø5/16  | 1/8 NPT   | 0.75 | 0.32 | 0.73 | 0.89 | 7/16  | 0.63 | 0.55 |
| R432002637 | Ø 3/8  | 1/8 NPT   | 0.94 | 0.31 | 0.83 | 1.03 | 11/16 | 0.67 | 0.75 |
| R432000244 | Ø5/32  | 1/4 NPT   | 0.65 | 0.43 | 0.63 | 0.71 | 9/16  | 0.47 | 0.39 |
| R432000233 | Ø1/4   | 1/4 NPT   | 0.71 | 0.43 | 0.67 | 0.81 | 9/16  | 0.55 | 0.47 |
| R432000240 | Ø5/16  | 1/4 NPT   | 0.79 | 0.43 | 0.73 | 0.89 | 9/16  | 0.63 | 0.55 |
| R432000237 | Ø 3/8  | 1/4 NPT   | 0.94 | 0.43 | 0.83 | 1.03 | 19/32 | 0.75 | 0.67 |
| R432000230 | Ø1/2   | 1/4 NPT   | 1.02 | 0.43 | 0.89 | 1.15 | 19/32 | 0.91 | 0.83 |
| R432000235 | Ø1/4   | 3/8 NPT   | 0.75 | 0.47 | 0.67 | 0.81 | 11/16 | 0.55 | 0.47 |
| R432000242 | Ø5/16  | 3/8 NPT   | 0.79 | 0.47 | 0.73 | 0.89 | 11/16 | 0.63 | 0.55 |
| R432000238 | Ø 3/8  | 3/8 NPT   | 0.94 | 0.47 | 0.83 | 1.03 | 11/16 | 0.75 | 0.67 |
| R432000231 | Ø1/2   | 3/8 NPT   | 1.02 | 0.47 | 0.89 | 1.15 | 11/16 | 0.91 | 0.83 |
| R432000239 | Ø5/16  | 1/2 NPT   | 0.83 | 0.59 | 0.73 | 0.89 | 7/8   | 0.63 | 0.55 |
| R432000236 | Ø 3/8  | 1/2 NPT   | 0.94 | 0.59 | 0.83 | 1.03 | 7/8   | 0.75 | 0.67 |
| R432000229 | Ø1/2   | 1/2 NPT   | 1.02 | 0.59 | 0.89 | 1.15 | 7/8   | 0.91 | 0.83 |