

# QR1-S-RAT standard series

R432000286

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

Elbow fitting 45°

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-RAT

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

0.05 kg

## Material

Housing material

Polyamide

Seal material

Acrylonitrile butadiene rubber

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|                              |                        |
|------------------------------|------------------------|
| Material tooth lock washer   | Stainless Steel        |
| Material release ring        | Polyamide              |
| Material release ring holder | Die cast zinc<br>Brass |
| Surface release ring holder  | nickel-plated          |
| Material thread              | Brass                  |
| Surface thread               | nickel-plated          |
| Part No.                     | R432000286             |

## Technical information

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

Thread seal with captive O-ring

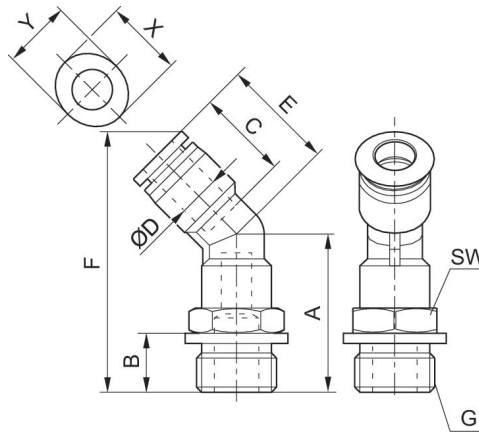
These pneumatic components with NPT or inch thread dimensions are only available from our US sales organization.

Dimensions in inches

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## Dimensions in inches

| Part No.          | Port D | Port G    | A    | B    | C    | E    | F    | SW    | X    | Y    |
|-------------------|--------|-----------|------|------|------|------|------|-------|------|------|
| R432000298        | Ø5/32  | 10-32 UNF | 0.87 | 0.22 | 0.63 | 0.71 | 1.37 | 7/16  | 0.47 | 0.39 |
| <b>R432000286</b> | Ø1/4   | 10-32 UNF | 0.91 | 0.22 | 0.67 | 0.81 | 1.48 | 1/2   | 0.55 | 0.47 |
| R432000300        | Ø5/32  | 1/8 NPT   | 0.91 | 0.32 | 0.63 | 0.71 | 1.41 | 7/16  | 0.47 | 0.39 |
| R432000288        | Ø1/4   | 1/8 NPT   | 0.99 | 0.32 | 0.67 | 0.81 | 1.56 | 1/2   | 0.55 | 0.47 |
| R432000296        | Ø5/16  | 1/8 NPT   | 1.06 | 0.32 | 0.73 | 0.89 | 1.7  | 9/16  | 0.63 | 0.55 |
| R432000292        | Ø 3/8  | 1/8 NPT   | 1.26 | 0.32 | 0.83 | 1.03 | 1.98 | 11/16 | 0.75 | 0.67 |
| R432000284        | Ø1/2   | 1/8 NPT   | 1.34 | 0.32 | 0.89 | 1.15 | 2.16 | 7/8   | 0.91 | 0.83 |
| R432000299        | Ø5/32  | 1/4 NPT   | 1.09 | 0.43 | 0.63 | 0.71 | 1.47 | 9/16  | 0.47 | 0.39 |
| R432000287        | Ø1/4   | 1/4 NPT   | 1.15 | 0.43 | 0.67 | 0.81 | 1.72 | 9/16  | 0.55 | 0.47 |
| R432000295        | Ø5/16  | 1/4 NPT   | 1.22 | 0.43 | 0.73 | 0.89 | 1.85 | 9/16  | 0.63 | 0.55 |
| R432000291        | Ø 3/8  | 1/4 NPT   | 1.38 | 0.43 | 0.83 | 1.03 | 2.1  | 11/16 | 0.75 | 0.67 |
| R432000283        | Ø1/2   | 1/4 NPT   | 1.46 | 0.43 | 0.89 | 1.15 | 2.27 | 7/8   | 0.91 | 0.83 |
| R432000289        | Ø1/4   | 3/8 NPT   | 1.23 | 0.47 | 0.67 | 0.81 | 1.8  | 11/16 | 0.55 | 0.47 |
| R432000297        | Ø5/16  | 3/8 NPT   | 1.26 | 0.47 | 0.73 | 0.89 | 1.89 | 11/16 | 0.63 | 0.55 |
| R432000293        | Ø 3/8  | 3/8 NPT   | 1.42 | 0.47 | 0.83 | 1.03 | 2.14 | 11/16 | 0.75 | 0.67 |
| R432000285        | Ø1/2   | 3/8 NPT   | 1.5  | 0.47 | 0.89 | 1.15 | 2.31 | 7/8   | 0.91 | 0.83 |
| R432000294        | Ø5/16  | 1/2 NPT   | 1.42 | 0.59 | 0.73 | 0.89 | 2.05 | 7/8   | 0.63 | 0.55 |
| R432000290        | Ø 3/8  | 1/2 NPT   | 1.54 | 0.59 | 0.83 | 1.03 | 2.26 | 7/8   | 0.75 | 0.67 |
| R432000282        | Ø1/2   | 1/2 NPT   | 1.62 | 0.59 | 0.89 | 1.15 | 2.43 | 7/8   | 0.91 | 0.83 |