

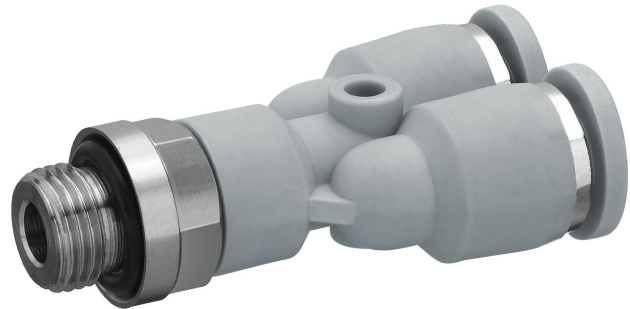
# QR1-S-RAY standard series

R432000490

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

1/2 NPT

Compressed air connection type 2

Push-in fitting

Port D

Ø1/2

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

2.48 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<br>Brass         |
| Surface release ring holder  | nickel-plated                  |
| Material thread              | Brass                          |
| Surface thread               | nickel-plated                  |
| Part No.                     | R432000490                     |

## Technical information

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

Thread seal with captive O-ring

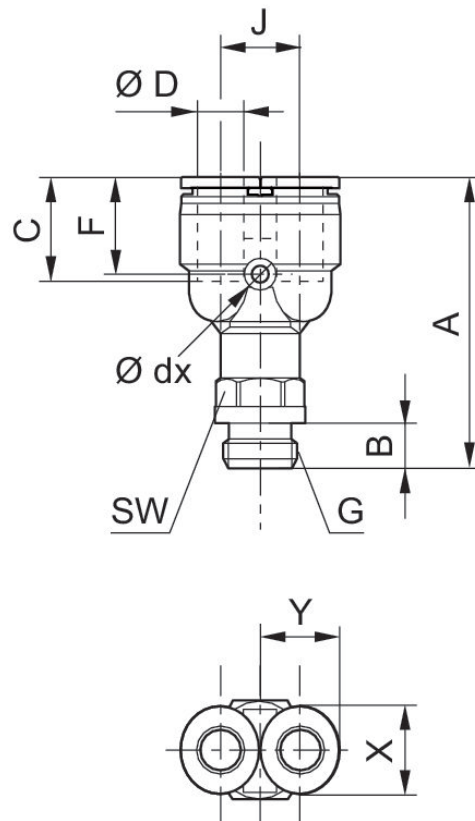
These pneumatic components with NPT or inch thread dimensions are only available from our US sales organization.

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 |
| <b>R432000490</b> | Ø1/2   | 1/2 NPT   | 2.55 | 0.59 | 0.89 | 7/8   | 0.82 | 0.83 | 0.91 |