

## 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                     | Straight fitting with hexagon socket |
| 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-MIN                            |
| Min. working pressure            | -0.95 bar                            |
| Max. working pressure            | 10 bar                               |
| Min. ambient temperature         | 0 °C                                 |
| Max. ambient temperature         | 60 °C                                |
| Delivery quantity                | 25 piece                             |
| Weight                           | 0.005 kg                             |

## Material

|                  |                                |
|------------------|--------------------------------|
| Surface          | nickel-plated                  |
| Housing material | Brass                          |
| Surface housing  | nickel-plated                  |
| Seal material    | Acrylonitrile butadiene rubber |

|                              |                  |
|------------------------------|------------------|
| 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.                     | R432000318       |

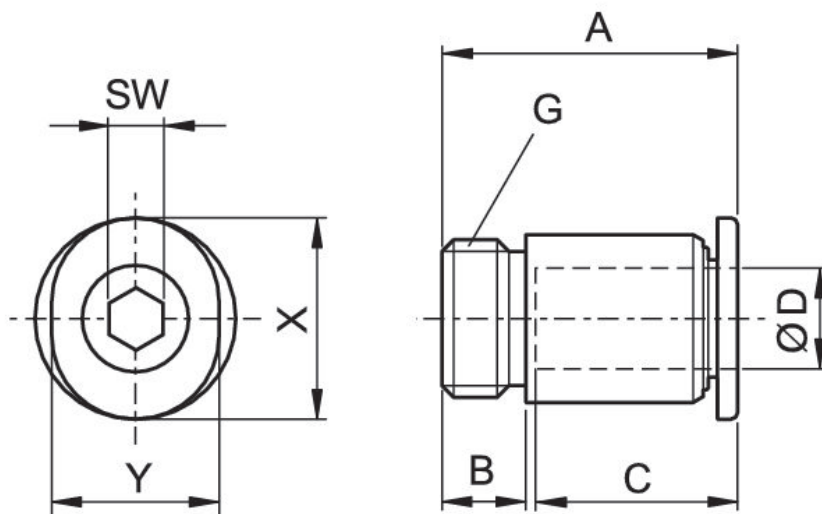
## Technical information

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    | SW   | X    | Y    |
|------------|--------|-----------|------|------|------|------|------|------|
| R432000326 | Ø1/8   | 10-32 UNF | 0.6  | 0.14 | 0.41 | 3/32 | 0.28 | 0.24 |
| R432000325 | Ø1/8   | 1/8 NPT   | 0.56 | 0.32 | 0.41 | 3/32 | 0.28 | 0.24 |
| R432000333 | Ø5/32  | 10-32 UNF | 0.63 | 0.14 | 0.44 | 3/32 | 0.39 | 0.32 |
| R432000331 | Ø5/32  | 1/8 NPT   | 0.6  | 0.32 | 0.44 | 3/32 | 0.39 | 0.32 |

# Series QR1-S-MIN Mini

R432000318

Series QR1

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| Part No.   | Port D | Port G       | A    | B    | C    | SW   | X    | Y    |
|------------|--------|--------------|------|------|------|------|------|------|
| R432000318 | Ø1/4   | 10-32<br>UNF | 0.7  | 0.14 | 0.46 | 3/32 | 0.47 | 0.39 |
| R432000317 | Ø1/4   | 1/8 NPT      | 0.74 | 0.32 | 0.46 | 5/32 | 0.47 | 0.39 |