

Push-in fittings CRQS, Quick Star, stainless steel, NPT



Push-in fittings CRQS, Quick Star, stainless steel, NPT

Technical data

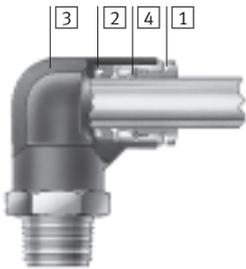
| General technical data | |
|------------------------|---------------------|
| Size | Standard |
| Design | Push-pull principle |
| Mounting position | Any |

| Operating and environmental conditions | |
|--|---|
| Operating pressure [Psi] | -13.8 ... +203.1 |
| Operating medium | Filtered compressed air, lubricated or unlubricated |
| | Vacuum |
| Ambient temperature [°F] | -4 ... +302 |
| Corrosion resistance class CRC ¹⁾ | 4 |

1) Corrosion resistance class 4 according to Festo standard 940 070
 Components subject to particularly high corrosion stress. Parts used with aggressive media, e.g. in the food or chemical industry. These applications should be supported with special tests with the media if required.

Materials

Sectional view



| | | CRQS, NPT |
|-------------------|---------------------|---|
| 1 | Releasing ring | High-alloy stainless steel |
| 2 | Tubing seal | Fluoro elastomer |
| 3 | Housing | High-alloy stainless steel |
| 4 | Tube retaining claw | High-alloy stainless steel |
| Note on materials | | Contains PWIS (paint wetting impairment substances) |
| | | RoHS-compliant |

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Product range overview



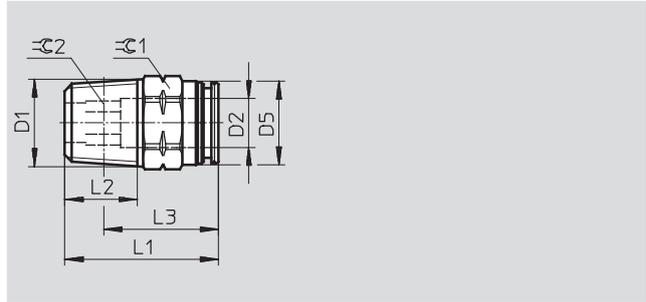
| Design | Version | Type | Connection D1 | | | Connection D2 | | → Page/ Internet |
|---|---|------------|---------------|-------------|------------------|---------------|----------------|---------------------|
| | | | NPT thread | Tubing O.D. | Push-in sleeve ∅ | Tubing O.D. | | |
| Inline | Push-in fitting – Male thread with internal/external hex | | | | | | | |
| |  | CRQS | 1/8 | – | – | – | 5/32, 1/4 | 4 |
| | | | 1/4 | | | | 1/4, 5/16, 3/8 | |
| | | | 3/8 | | | | 3/8, 1/2 | |
| | | | 1/2 | | | | 1/2 | |
| | Push-in connector | | | | | | | |
| |  | CRQS-...T | – | – | 5/32 | – | – | 4 |
| | | | 1/4 | | | | | |
| | | | 5/16 | | | | | |
| | | | 3/8 | | | | | |
| 1/2 | | | | | | | | |
| Push-in connector with push-in sleeve | | | | | | | | |
|  | CRQS-...H | – | – | 1/4 | – | 5/32 | 5 | |
| | | 5/16 | | 1/4 | | | | |
| | | 3/8 | | 1/4, 5/16 | | | | |
| L-shape | Push-in L-fitting, rotatable 360° – Male thread with external hex | | | | | | | |
| |  | CRQSL | 1/8 | – | – | – | 5/32, 1/4 | 6 |
| | | | 1/4 | | | | 1/4, 5/16, 3/8 | |
| | | | 3/8 | | | | 3/8, 1/2 | |
| | | | 1/2 | | | | 1/2 | |
| | Push-in L-connector | | | | | | | |
| |  | CRQSL-...T | – | – | 5/32 | – | – | 6 |
| | | | 1/4 | | | | | |
| | | | 5/16 | | | | | |
| | | | 3/8 | | | | | |
| 1/2 | | | | | | | | |
| T-shape | Push-in T-fitting, rotatable 360° – Male thread with external hex | | | | | | | |
| |  | CRQST | 1/8 | – | – | – | 5/32, 1/4 | 7 |
| | | | 1/4 | | | | 1/4, 5/16, 3/8 | |
| | | | 3/8 | | | | 3/8 | |
| | Push-in T-connector | | | | | | | |
| |  | CRQST-...T | – | – | 5/32 | – | – | 7 |
| | | | 1/4 | | | | | |
| | | | 5/16 | | | | | |
| | | | 3/8 | | | | | |
| | | | 1/2 | | | | | |

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Technical data

Push-in fitting CRQS

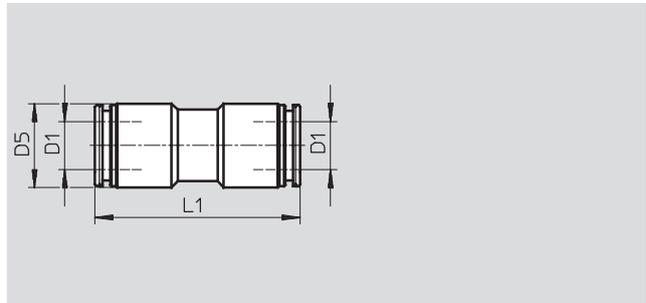
Male thread
with external hex



| Dimensions and ordering data | | | | | | | | | | | | |
|------------------------------|--------------|-------------|---------|------|------|------|--------------|--------------|--------------|----------|-----------------|------------------|
| Connection | Nominal size | Tubing O.D. | D5 Ø | L1 | L2 | L3 | $\approx C1$ | $\approx C2$ | Weight/piece | Part No. | Type | PU ¹⁾ |
| D1 | [inch] | D2 | | | | | | | [oz] | | | |
| 1/8 | 0.118 | 5/32 | 9.5 | 19.5 | 8.5 | 15.4 | 15/32 | 1/8 | 0.342 | 565318 | CRQS-1/8-5/32-U | 1 |
| | 0.157 | 1/4 | 12.0 | 22.0 | 8.5 | 17.9 | 1/2 | 5/32 | 0.388 | 565319 | CRQS-1/8-1/4-U | 1 |
| 1/4 | 0.157 | 1/4 | 12.0 | 24.5 | 13.0 | 18.7 | 35/64 | 5/32 | 0.628 | 565320 | CRQS-1/4-1/4-U | 1 |
| | 0.256 | 5/16 | 14.0 | 25.5 | 13.0 | 19.7 | 35/64 | 1/4 | 0.575 | 565321 | CRQS-1/4-5/16-U | 1 |
| | 0.256 | 3/8 | 16.0 | 32.0 | 13.0 | 26.2 | 21/32 | 1/4 | 0.896 | 565322 | CRQS-1/4-3/8-U | 1 |
| 3/8 | 0.315 | 3/8 | 16.0 | 25.5 | 13.0 | 19.4 | 45/64 | 5/16 | 0.917 | 565323 | CRQS-3/8-3/8-U | 1 |
| | 0.413 | 1/2 | 20.0 | 29.5 | 13.0 | 23.4 | 13/16 | 13/32 | 1.118 | 565324 | CRQS-3/8-1/2-U | 1 |
| 1/2 | 0.413 | 1/2 | 19.5 | 30.5 | 17.0 | 22.4 | 55/64 | 13/32 | 1.633 | 565325 | CRQS-1/2-1/2-U | 1 |

1) Packaging unit

Push-in connector CRQS...T



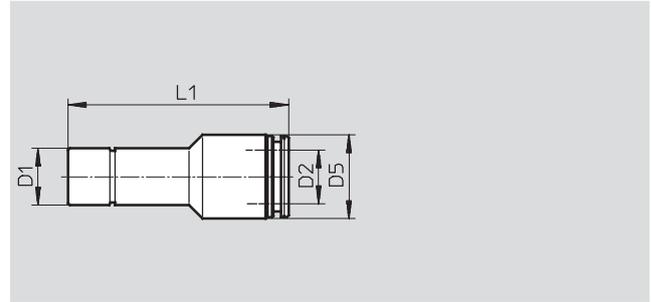
| Dimensions and ordering data | | | | | | | |
|------------------------------|--------------|---------|------|--------------|----------|--------------|------------------|
| Tubing O.D. | Nominal size | D5 Ø | L1 | Weight/piece | Part No. | Type | PU ¹⁾ |
| D1 | [inch] | | | [oz] | | | |
| 5/32 | 0.118 | 9.5 | 28.0 | 0.307 | 565340 | CRQS-5/32T-U | 1 |
| 1/4 | 0.217 | 12.0 | 33.5 | 0.515 | 565341 | CRQS-1/4T-U | 1 |
| 5/16 | 0.256 | 14.0 | 34.0 | 0.695 | 565342 | CRQS-5/16T-U | 1 |
| 3/8 | 0.335 | 16.0 | 38.5 | 0.945 | 565343 | CRQS-3/8T-U | 1 |
| 1/2 | 0.433 | 20.0 | 41.0 | 1.552 | 565344 | CRQS-1/2T-U | 1 |

1) Packaging unit

Push-in fittings CRQS, Quick Star, stainless steel, NPT

Technical data

Push-in connector CRQS-...H
with push-in sleeve



| Dimensions and ordering data | | | | | | | | |
|------------------------------|--------------|-------------|------|------|--------------|----------|------------------|------------------|
| Connection | Nominal size | Tubing O.D. | D5 | L1 | Weight/piece | Part No. | Type | PU ¹⁾ |
| D1 | [inch] | D2 | ∅ | | [oz] | | | |
| 1/4 | 0.118 | 5/32 | 9.5 | 31.5 | – | 565355 | CRQS-1/4H-5/32-U | 1 |
| 5/16 | 0.197 | 1/4 | 12.0 | 34.5 | 0.406 | 565356 | CRQS-5/16H-1/4-U | 1 |
| 3/8 | 0.217 | 1/4 | 12.0 | 34.5 | 0.483 | 565357 | CRQS-3/8H-1/4-U | 1 |
| | 0.256 | 5/16 | 14.0 | 36.5 | 0.547 | 565358 | CRQS-3/8H-5/16-U | 1 |

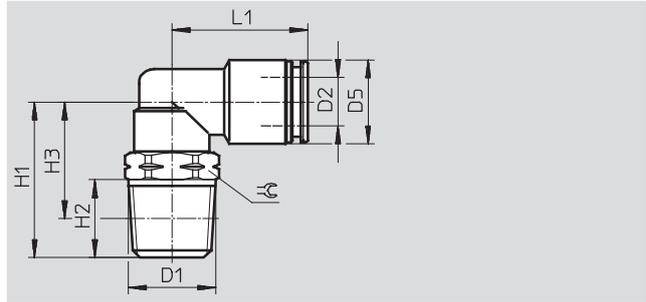
1) Packaging unit

Push-in fittings CRQS, Quick Star, stainless steel, NPT

Technical data

Push-in L-fitting CRQSL

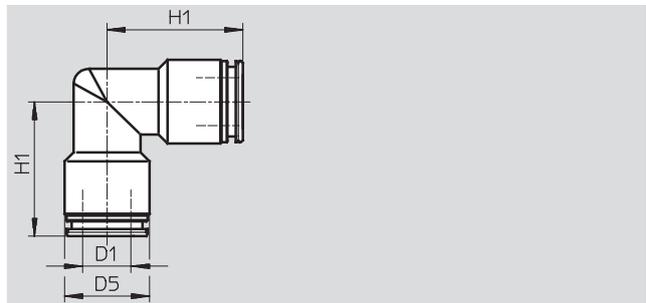
Rotatable 360°
Male thread
with external hex



| Dimensions and ordering data | | | | | | | | | | | | |
|------------------------------|--------------|-------------|---------|------|------|------|------|---------------|--------------|----------|------------------|------------------|
| Connection | Nominal size | Tubing O.D. | D5 ∅ | H1 | H2 | H3 | L1 | $\frac{1}{4}$ | Weight/piece | Part No. | Type | PU ¹⁾ |
| D1 | [inch] | D2 | | | | | | | [oz] | | | |
| 1/8 | 0.118 | 5/32 | 9.5 | 18.5 | 8.5 | 14.4 | 17.5 | 15/32 | 0.441 | 565326 | CRQSL-1/8-5/32-U | 1 |
| | 0.217 | 1/4 | 12.0 | 21.0 | 8.5 | 16.9 | 21.5 | 1/2 | 0.705 | 565327 | CRQSL-1/8-1/4-U | 1 |
| 1/4 | 0.217 | 1/4 | 12.0 | 26.0 | 13.0 | 20.2 | 21.5 | 35/64 | 0.97 | 565328 | CRQSL-1/4-1/4-U | 1 |
| | 0.236 | 5/16 | 14.0 | 26.0 | 13.0 | 20.2 | 22.5 | 35/64 | 0.967 | 565329 | CRQSL-1/4-5/16-U | 1 |
| | 0.335 | 3/8 | 16.0 | 29.0 | 13.0 | 23.2 | 26.0 | 21/32 | 1.376 | 565330 | CRQSL-1/4-3/8-U | 1 |
| 3/8 | 0.335 | 3/8 | 16.0 | 29.0 | 13.0 | 22.9 | 26.0 | 45/64 | 1.517 | 565331 | CRQSL-3/8-3/8-U | 1 |
| | 0.413 | 1/2 | 20.0 | 32.5 | 13.0 | 26.4 | 28.5 | 13/16 | 2.37 | 565332 | CRQSL-3/8-1/2-U | 1 |
| 1/2 | 0.413 | 1/2 | 20.0 | 37.0 | 17.0 | 28.9 | 28.5 | 55/64 | 2.723 | 565333 | CRQSL-1/2-1/2-U | 1 |

1) Packaging unit

Push-in L-connector CRQSL-...T



| Dimensions and ordering data | | | | | | | |
|------------------------------|--------------|---------|------|--------------|----------|----------------|------------------|
| Tubing O.D. | Nominal size | D5 ∅ | H1 | Weight/piece | Part No. | Type | PU ¹⁾ |
| D1 | [inch] | | | [oz] | | | |
| 5/32 | 0.138 | 9.5 | 17.5 | 0.444 | 565345 | CRQSL-5/32-T-U | 1 |
| 1/4 | 0.217 | 12.0 | 21.0 | 0.515 | 565346 | CRQSL-1/4-T-U | 1 |
| 5/16 | 0.256 | 14.0 | 22.5 | 0.868 | 565347 | CRQSL-5/16-T-U | 1 |
| 3/8 | 0.335 | 16.0 | 25.5 | 1.517 | 565348 | CRQSL-3/8-T-U | 1 |
| 1/2 | 0.433 | 20.0 | 27.5 | 1.781 | 565349 | CRQSL-1/2-T-U | 1 |

1) Packaging unit

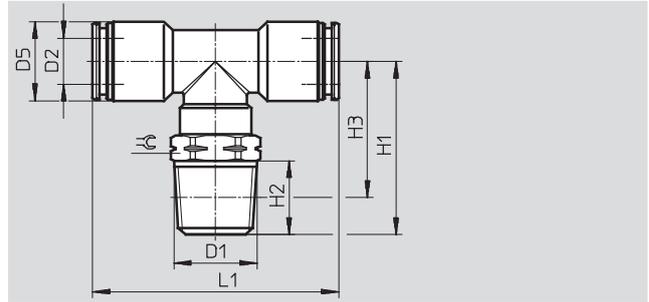
Push-in fittings CRQS, Quick Star, stainless steel, NPT

Technical data

Push-in T-fitting CRQST

Rotatable 360°

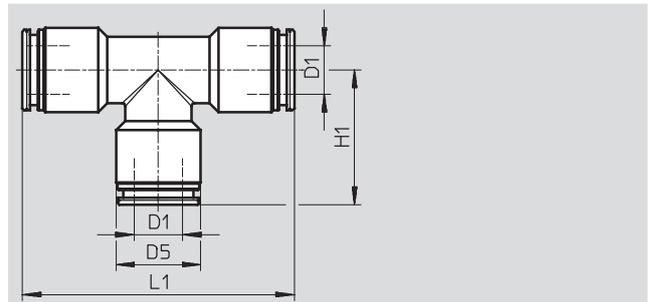
Male thread with external hex



| Dimensions and ordering data | | | | | | | | | | | | |
|------------------------------|--------------|-------------|---------|------|------|------|------|-------|----------------------|----------|------------------|------------------|
| Connection | Nominal size | Tubing O.D. | D5 ∅ | H1 | H2 | H3 | L1 | ⌀ | Weight/piece [oz] | Part No. | Type | PU ¹⁾ |
| D1 | [inch] | D2 | | | | | | | | | | |
| 1/8 | 0.118 | 5/32 | 9.5 | 22.5 | 8.5 | 18.4 | 35.0 | 15/32 | 0.656 | 565334 | CRQST-1/8-5/32-U | 1 |
| | 0.217 | 1/4 | 12.0 | 25.5 | 8.5 | 21.4 | 42.0 | 1/2 | 0.97 | 565335 | CRQST-1/8-1/4-U | 1 |
| 1/4 | 0.217 | 1/4 | 12.0 | 30.5 | 13.0 | 24.7 | 42.0 | 35/64 | 1.185 | 565336 | CRQST-1/4-1/4-U | 1 |
| | 0.236 | 5/16 | 14.0 | 30.5 | 13.0 | 24.7 | 43.0 | 35/64 | 1.305 | 565337 | CRQST-1/4-5/16-U | 1 |
| | 0.335 | 3/8 | 16.0 | 32.0 | 13.0 | 26.2 | 51.0 | 21/32 | 2.258 | 565338 | CRQST-1/4-3/8-U | 1 |
| 3/8 | 0.335 | 3/8 | 16.0 | 32.0 | 13.0 | 25.9 | 51.0 | 45/64 | 2.346 | 565339 | CRQST-3/8-3/8-U | 1 |

1) Packaging unit

Push-in T-connector CRQST...T



| Dimensions and ordering data | | | | | | | | |
|------------------------------|--------------|---------|------|------|----------------------|----------|---------------|------------------|
| Tubing O.D. | Nominal size | D5 ∅ | H1 | L1 | Weight/piece [oz] | Part No. | Type | PU ¹⁾ |
| D1 | [inch] | | | | | | | |
| 5/32 | 0.138 | 9.5 | 17.5 | 35.0 | 0.564 | 565350 | CRQST-5/32T-U | 1 |
| 1/4 | 0.217 | 12.0 | 21.0 | 42.0 | 0.988 | 565351 | CRQST-1/4T-U | 1 |
| 5/16 | 0.256 | 14.0 | 21.5 | 43.0 | 1.157 | 565352 | CRQST-5/16T-U | 1 |
| 3/8 | 0.335 | 16.0 | 25.0 | 50.0 | 2.046 | 565353 | CRQST-3/8T-U | 1 |
| 1/2 | 0.433 | 20.0 | 27.5 | 55.0 | 2.469 | 565354 | CRQST-1/2T-U | 1 |

1) Packaging unit

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A Complete Suite of Automation Services

Our experienced engineers provide complete support at every stage of your development process, including: conceptualization, analysis, engineering, design, assembly, documentation, validation, and production.



Custom Automation Components
Complete custom engineered solutions



Custom Control Cabinets
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Shipment, stocking and storage services

The Broadest Range of Automation Components

With a comprehensive line of more than 30,000 automation components, Festo is capable of solving the most complex automation requirements.



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Electromechanical actuators, motors, controllers & drives



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Pneumatic linear and rotary actuators, valves, and air supply



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PLC's, operator interfaces, sensors and I/O devices

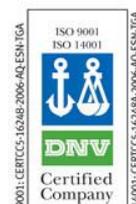
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Festo is a leading global manufacturer of pneumatic and electromechanical systems, components and controls for industrial automation, with more than 12,000 employees in 56 national headquarters serving more than 180 countries. For more than 80 years, Festo has continuously elevated the state of manufacturing with innovations and optimized motion control solutions that deliver higher performing, more profitable automated manufacturing and processing equipment. Our dedication to the advancement of automation extends beyond technology to the education and development of current and future automation and robotics designers with simulation tools, teaching programs, and on-site services.

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Festo Corporation is committed to supply all Festo products and services that will meet or exceed our customers' requirements in product quality, delivery, customer service and satisfaction.

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Festo North America

Festo Regional Contact Center

5300 Explorer Drive
Mississauga, Ontario L4W 5G4
Canada

USA Customers:

For ordering assistance,

Call: 1.800.99.FESTO (1.800.993.3786)

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Email: festo.canada@ca.festo.com

USA Headquarters

Festo Corporation
395 Moreland Road
P.O. Box 18023
Hauppauge, NY 11788, USA
www.festo.com/us

USA Sales Offices

Appleton

North 922 Tower View Drive, Suite N
Greenville, WI 54942, USA

Boston

120 Presidential Way, Suite 330
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395 Moreland Road
Hauppauge, NY 11788, USA

Silicon Valley

4935 Southfront Road, Suite F
Livermore, CA 94550, USA

United States



USA Headquarters, East: Festo Corp., 395 Moreland Road, Hauppauge, NY 11788

Phone: 1.631.435.0800; Fax: 1.631.435.8026;

Email: info@festo-usa.com

www.festo.com/us

Canada



Headquarters: Festo Inc., 5300 Explorer Drive, Mississauga, Ontario L4W 5G4

Phone: 1.905.624.9000; Fax: 1.905.624.9001;

Email: festo.canada@ca.festo.com

www.festo.ca

Mexico



Headquarters: Festo Pneumatic, S.A., Av. Ceylán 3, Col. Tequesquahuac,
54020 Tlalneantla, Edo. de México

Phone: 011 52 [55] 53 21 66 00; Fax: 011 52 [55] 53 21 66 65;

Email: festo.mexico@mx.festo.com

www.festo.com/mx

Central USA

Festo Corporation
1441 East Business
Center Drive
Mt. Prospect, IL 60056, USA
Phone: 1.847.759.2600
Fax: 1.847.768.9480



Western USA

Festo Corporation
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