

## Push-in fitting NPQH

**FESTO**



## Characteristics

### At a glance

- Solid-metal brass, chemically nickel-plated
- High corrosion and chemical resistance
- High resistance to temperatures and pressure

### Additional documents

Link [npqh](#)



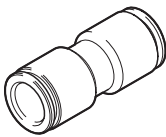
The additional document PUSH-IN-FITTINGS-ADD contains further information on tubing/fitting combinations and thread types, as well as installation instructions.

### Design

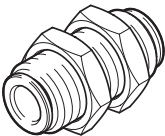
[B] Plug screw



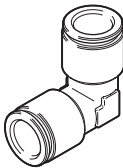
[D] Straight



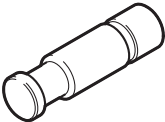
[H] Bulkhead



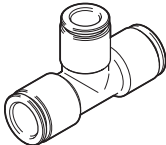
[L] L-shape



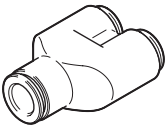
[P] Blanking plug



[T] T-shape



[Y] Y-shape



## Type code

|      |                         |  |
|------|-------------------------|--|
| 001  | Series                  |  |
| NPQH | Push-in fitting         |  |
| 002  | Design                  |  |
| B    | Plug screw              |  |
| D    | Straight                |  |
| H    | Bulkhead                |  |
| L    | L-shape                 |  |
| P    | Blanking plug           |  |
| T    | T-shape                 |  |
| Y    | Y-shape                 |  |
| 003  | Mounting method         |  |
|      | Standard                |  |
| K    | Internal hex            |  |
| 004  | Pneumatic connection 1  |  |
| G12  | G1/2                    |  |
| G14  | G1/4                    |  |
| G18  | G1/8                    |  |
| G38  | G3/8                    |  |
| M5   | M5                      |  |
| M7   | M7                      |  |
| Q4   | Push-in connector 4 mm  |  |
| Q6   | Push-in connector 6 mm  |  |
| Q8   | Push-in connector 8 mm  |  |
| Q10  | Push-in connector 10 mm |  |
| Q12  | Push-in connector 12 mm |  |
| Q14  | Push-in connector 14 mm |  |
| S4   | Push-in sleeve 4 mm     |  |
| S6   | Push-in sleeve 6 mm     |  |
| S8   | Push-in sleeve 8 mm     |  |
| S10  | Push-in sleeve 10 mm    |  |
| S12  | Push-in sleeve 12 mm    |  |
| S14  | Push-in sleeve 14 mm    |  |

|     |                             |  |
|-----|-----------------------------|--|
| 005 | Connection type             |  |
|     | Standard                    |  |
| F   | Female thread               |  |
| 006 | Pneumatic connection 2      |  |
|     | None                        |  |
| E   | Same size as connection 1   |  |
| Q4  | Push-in connector 4 mm      |  |
| Q6  | Push-in connector 6 mm      |  |
| Q8  | Push-in connector 8 mm      |  |
| Q10 | Push-in connector 10 mm     |  |
| Q12 | Push-in connector 12 mm     |  |
| Q14 | Push-in connector 14 mm     |  |
| S4  | Push-in sleeve 4 mm         |  |
| S6  | Push-in sleeve 6 mm         |  |
| S8  | Push-in sleeve 8 mm         |  |
| S10 | Push-in sleeve 10 mm        |  |
| S12 | Push-in sleeve 12 mm        |  |
| 007 | Packaging quantity [pieces] |  |
| P10 | 10                          |  |

## Datasheet

## General technical data

|                              |               |                     |               |          |              |            |                     |                 |
|------------------------------|---------------|---------------------|---------------|----------|--------------|------------|---------------------|-----------------|
| General technical data       |               |                     |               |          |              |            |                     |                 |
| Design                       | Blanking plug | L-shape             | L-shape, long | Bulkhead | T-shape      | Plug screw | Y-shape             | Straight design |
| Size                         | Standard      |                     |               |          |              |            |                     |                 |
| Design                       | –             | Push-pull principle |               |          |              | –          | Push-pull principle |                 |
| Mounting position            | Any           |                     |               |          |              |            |                     |                 |
| Type of seal on screwed plug | –             | Sealing ring        |               | –        | Sealing ring |            | –                   | Sealing ring    |
| Size of pack                 | 10            |                     |               |          |              |            |                     |                 |

## Operating and environmental conditions

|                                               |                                                                     |
|-----------------------------------------------|---------------------------------------------------------------------|
| Operating pressure complete temperature range | -0.95 ... 20 bar                                                    |
| Operating medium                              | Compressed air to ISO 8573-1:2010 [7:-:-], Water (liquid, ice-free) |
| Note on operating and pilot medium            | Lubricated operation possible                                       |
| Ambient temperature <sup>1)</sup>             | 0 ... 150°C                                                         |
| Corrosion resistance class CRC <sup>2)</sup>  | 3 - high corrosion stress                                           |
| Suitable for use with food                    | See declaration of conformity, NSF/ANSI 169                         |
| Certificate issuing authority                 | NSF C0523185                                                        |

1) Note the operating range of the plastic tubing.

2) Corrosion resistance class CRC 3 to Festo standard FN 940070

High corrosion stress. Outdoor exposure under moderate corrosive conditions. External visible parts in direct contact with a normal industrial environment, with primarily functional surface requirements.

## Materials

|                                                                         |                                                                                                                              |
|-------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Material housing                                                        | Brass, chemically nickel-plated                                                                                              |
| Material release ring                                                   | Chemically nickel-plated brass                                                                                               |
| Colour of release ring                                                  | Silver                                                                                                                       |
| Material tubing clamp component                                         | High-alloy stainless steel                                                                                                   |
| Material nut                                                            | Brass, chemically nickel-plated                                                                                              |
| Material thread seal                                                    | Fluoro rubber                                                                                                                |
| Material tubing seal                                                    | Fluoro rubber                                                                                                                |
| Note on materials                                                       | RoHS compliant                                                                                                               |
| LABS (PWIS) conformity                                                  | VDMA24364-B1/B2-L                                                                                                            |
| Cleanroom suitability, measured according to ISO 14644-14 <sup>1)</sup> | Class 4 according to ISO 14644-1<br>Element installed statically, no meaningful evaluation possible according to ISO 14644-1 |

1) No meaningful evaluation according to ISO 14644-1 is possible for blanking plugs, push-in sleeves, push-in fittings with push-in sleeve and plug screws (statically installed elements)

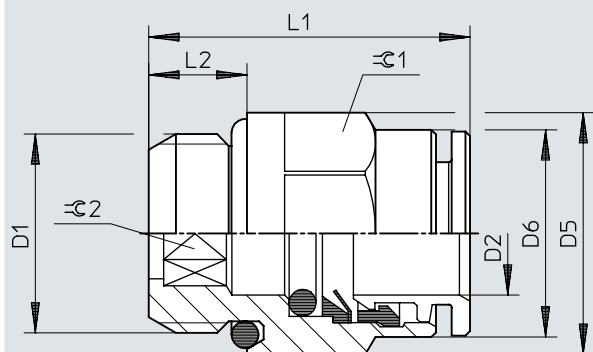
## Tubing insertion depths

|                                    |                                     |                                     |                                     |                                        |                                        |
|------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|----------------------------------------|----------------------------------------|
| Pneumatic connection, port 1       | For tubing outside diameter of 6 mm | For tubing outer diameter of 8 mm   | For tubing outer diameter of 12 mm  | For tubing outer diameter of 14 mm     |                                        |
| Pneumatic connection, port 2       | For tubing outside diameter of 4 mm | For tubing outside diameter of 6 mm | For tubing outside diameter of 8 mm | For tubing outside diameter of 10 mm   | For tubing outer diameter of 12 mm     |
| Note on the tubing insertion depth | Ø4 depth 13 mm<br>Ø6 depth 15.8 mm  | Ø6 depth 15.8 mm<br>Ø8 depth 16 mm  | Ø8 depth 16 mm<br>Ø12 depth 19.5 mm | Ø10 depth 18.3 mm<br>Ø14 depth 22.5 mm | Ø12 depth 19.5 mm<br>Ø14 depth 22.5 mm |

## Dimensions

Dimensions – Push-in fitting NPQH-D, male thread, with external hex

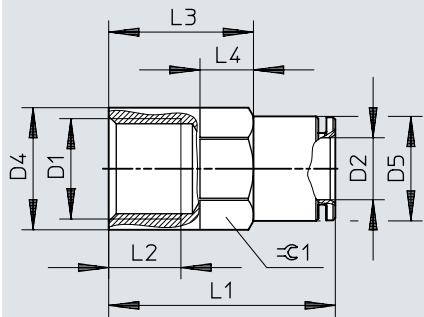
Download CAD data [www.festo.com](http://www.festo.com)



|                    | D1   | D2 | D5<br>ø | D6<br>ø | L1   | L2  | $\varnothing 1$ | $\varnothing 2$ |
|--------------------|------|----|---------|---------|------|-----|-----------------|-----------------|
| NPQH-D-M5-Q4-P10   | M5   | 4  | 8       | 9       | 21,5 | 4   | 9               | 2,5             |
| NPQH-D-M5-Q6-P10   |      | 6  | 8       | 12      | 24   | 4   | 12              | 2,5             |
| NPQH-D-M7-Q4-P10   | M7   | 4  | 9       | 9       | 20   | 5   | 9               | 3               |
| NPQH-D-M7-Q6-P10   |      | 6  | 9       | 12      | 23   | 5   | 12              | 3               |
| NPQH-D-G18-Q4-P10  | G1/8 | 4  | 13      | 9       | 16,5 | 5   | 9               | 3               |
| NPQH-D-G18-Q6-P10  |      | 6  | 13,5    | 12      | 19,5 | 5   | 12              | 4               |
| NPQH-D-G18-Q8-P10  | G1/4 | 8  | 13      | 14      | 23,5 | 5   | 13              | 6               |
| NPQH-D-G14-Q6-P10  |      | 6  | 16      | 12      | 19,5 | 6,5 | 12              | 4               |
| NPQH-D-G14-Q8-P10  |      | 8  | 16      | 14      | 21,5 | 6,5 | 14              | 6               |
| NPQH-D-G14-Q10-P10 |      | 10 | 16      | 16      | 27,5 | 6,5 | 15              | 8               |
| NPQH-D-G14-Q12-P10 | G3/8 | 12 | 16      | 19      | 28,5 | 6,5 | 19              | 8               |
| NPQH-D-G38-Q8-P10  |      | 8  | 20      | 14      | 21   | 7   | 14              | 6               |
| NPQH-D-G38-Q10-P10 |      | 10 | 20      | 16      | 25   | 7   | 16              | 8               |
| NPQH-D-G38-Q12-P10 |      | 12 | 20      | 19      | 28,5 | 7   | 19              | 8               |
| NPQH-D-G38-Q14-P10 | G1/2 | 14 | 20      | 22      | 32   | 7   | 22              | 10              |
| NPQH-D-G12-Q10-P10 |      | 10 | 25      | 16      | 25,5 | 8,5 | 16              | 8               |
| NPQH-D-G12-Q12-P10 |      | 12 | 25      | 19      | 26,5 | 8,5 | 19              | 8               |
| NPQH-D-G12-Q14-P10 |      | 14 | 25      | 22      | 32   | 8,5 | 22              | 12              |

Dimensions

Dimensions – Push-in fitting NPQH-D, female thread, with external hex Download CAD data [www.festo.com](http://www.festo.com)

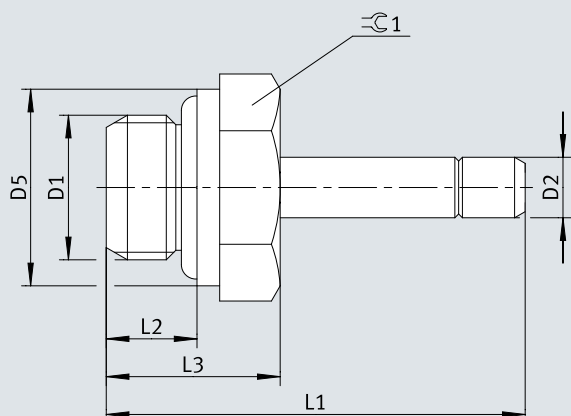


|                    | D1   | D2 | D4<br>ø | D5<br>ø | L1   | L2  | L3   | L4 | 1/4" |
|--------------------|------|----|---------|---------|------|-----|------|----|------|
| NPQH-D-G18F-Q4-P10 | G1/8 | 4  | 13      | 9       | 23,5 | 7,5 | 15   | 5  | 9    |
| NPQH-D-G18F-Q6-P10 |      | 6  | 14      | 12      | 26   | 7,5 | 13,5 | 6  | 12   |
| NPQH-D-G18F-Q8-P10 |      | 8  | 16      | 14      | 26   | 7,5 | 10   | 10 | 14   |
| NPQH-D-G14F-Q4-P10 | G1/4 | 4  | 16      | 9       | 27   | 11  | 18,5 | 5  | 9    |
| NPQH-D-G14F-Q6-P10 |      | 6  | 16      | 12      | 30   | 11  | 18,5 | 6  | 12   |
| NPQH-D-G14F-Q8-P10 |      | 8  | 16      | 14      | 30   | 11  | 19   | 7  | 14   |

## Dimensions

Dimensions – Push-in fitting NPQH-D with push-in sleeve

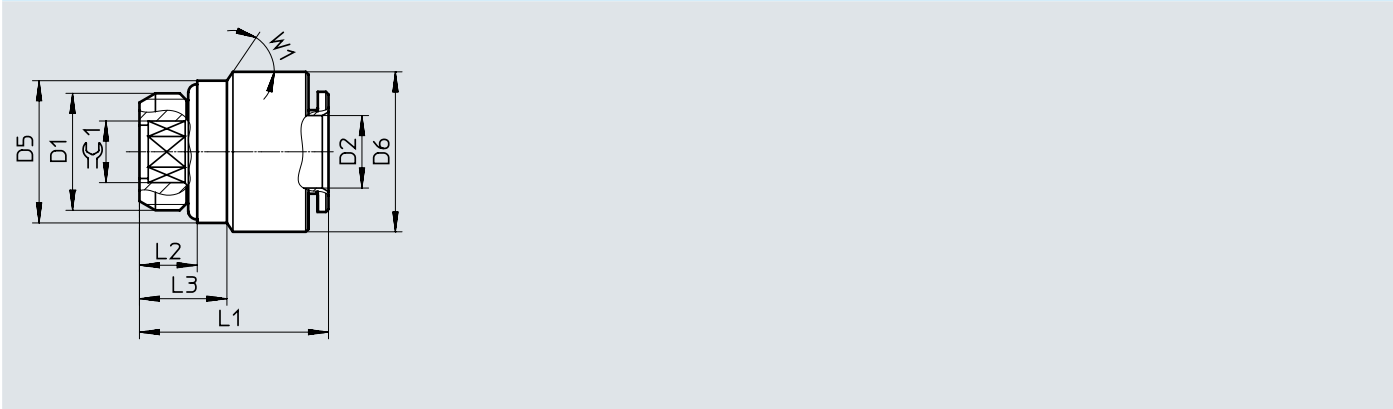
Download CAD data [www.festo.com](http://www.festo.com)



|                    | D1   | D2 | D5<br>Ø<br>±0,5 | L1<br>±0,5 | L2  | L3   | 1  |
|--------------------|------|----|-----------------|------------|-----|------|----|
| NPQH-D-M5-S4-P10   | M5   | 4  | 8               | 26         | 4   | 8    | 9  |
| NPQH-D-M5-S6-P10   |      | 6  | 8               | 28         | 4   | 8    | 9  |
| NPQH-D-G18-S4-P10  | G1/8 | 4  | 12,9            | 28         | 5   | 10   | 13 |
| NPQH-D-G18-S6-P10  |      | 6  | 12,9            | 30         | 5   | 10   | 13 |
| NPQH-D-G18-S8-P10  |      | 8  | 12,9            | 31         | 5   | 10   | 13 |
| NPQH-D-G14-S6-P10  | G1/4 | 6  | 16              | 32,5       | 6,5 | 12,5 | 16 |
| NPQH-D-G14-S8-P10  |      | 8  | 16              | 33,5       | 6,5 | 12,5 | 16 |
| NPQH-D-G14-S10-P10 |      | 10 | 16              | 34,5       | 6,5 | 12,5 | 16 |
| NPQH-D-G14-S12-P10 |      | 12 | 16              | 37,5       | 6,5 | 12,5 | 16 |
| NPQH-D-G38-S10-P10 | G3/8 | 10 | 20              | 35         | 7   | 13   | 20 |
| NPQH-D-G38-S12-P10 |      | 12 | 20              | 38         | 7   | 13   | 20 |
| NPQH-D-G12-S12-P10 | G1/2 | 12 | 25              | 39,5       | 8,5 | 14,5 | 25 |

Dimensions

Dimensions – Push-in fitting NPQH-DK, male thread, with internal hex, M thread Download CAD data [www.festo.com](http://www.festo.com)

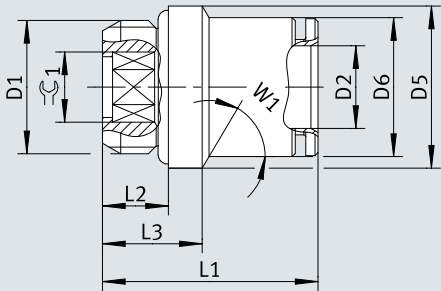


|                   | D1 | D2 | D5<br>Ø | D6<br>Ø | L1 | L2 | L3 | W1 | ±C1 |
|-------------------|----|----|---------|---------|----|----|----|----|-----|
| NPQH-DK-M5-Q4-P10 | M5 | 4  | 8       | 9       | 19 | 4  | 5  | 45 | 2,5 |
| NPQH-DK-M5-Q6-P10 |    | 6  | 8       | 12      | 22 | 4  | 5  | 45 | 2,5 |
| NPQH-DK-M7-Q4-P10 | M7 | 4  | 9       | 9       | 20 | 5  | –  | –  | 3   |
| NPQH-DK-M7-Q6-P10 |    | 6  | 9       | 12      | 23 | 5  | 6  | 45 | 3   |

## Dimensions

Dimensions – Push-in fitting NPQH-DK, male thread, with internal hex, G thread

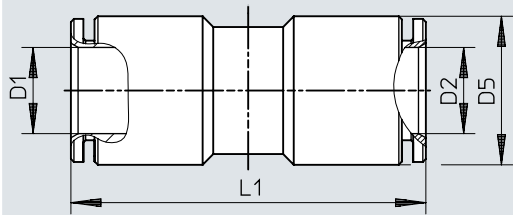
Download CAD data [www.festo.com](http://www.festo.com)



|                     | D1   | D2<br>Ø | D5<br>Ø | D6<br>Ø | L1   | L2  | L3  | W1 | $\pm C1$ |
|---------------------|------|---------|---------|---------|------|-----|-----|----|----------|
| NPQH-DK-M5-Q4-P10   | M5   | 4       | 8       | 9       | 19   | 4   | 5   | 45 | 2,5      |
| NPQH-DK-M5-Q6-P10   |      | 6       | 8       | 9,9     | 22,5 | 4   | 5   | –  | 2,5      |
| NPQH-DK-M7-Q4-P10   | M7   | 4       | 9       | 9       | 20   | 5   | –   | –  | 3        |
| NPQH-DK-M7-Q6-P10   |      | 6       | 9       | 9,9     | 23,5 | 5   | 6   | –  | 3        |
| NPQH-DK-G18-Q4-P10  | G1/8 | 4       | 13      | 9       | 16,5 | 5   | 7   | 45 | 3        |
| NPQH-DK-G18-Q6-P10  |      | 6       | 13      | 12      | 19,5 | 5   | 7,5 | 60 | 4        |
| NPQH-DK-G18-Q8-P10  |      | 8       | 13      | 14      | 23,5 | 5   | 6   | 45 | 6        |
| NPQH-DK-G18-Q10-P10 |      | 10      | 13      | 16      | 26   | 5   | 6   | –  | 6        |
| NPQH-DK-G14-Q8-P10  | G1/4 | 8       | 16      | 14      | 21,5 | 6,5 | 9   | 60 | 6        |
| NPQH-DK-G14-Q10-P10 |      | 10      | 16      | 16      | 27,5 | 6,5 | –   | –  | 8        |
| NPQH-DK-G38-Q12-P10 | G3/8 | 12      | 20      | 18      | 28,5 | 7   | 9,5 | 60 | 10       |

Dimensions

Dimensions – Push-in connector NPQH-D [Download CAD data](#) [www.festo.com](http://www.festo.com)

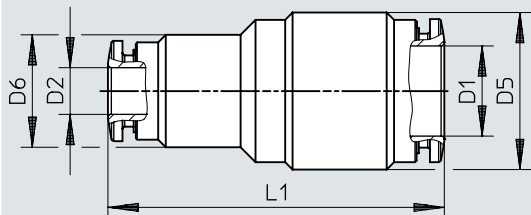


|                  | D1 | D2 | D5<br>Ø | L1<br>±1 |
|------------------|----|----|---------|----------|
| NPQH-D-Q4-E-P10  | 4  | 4  | 9       | 28       |
| NPQH-D-Q6-E-P10  | 6  | 6  | 12      | 33,5     |
| NPQH-D-Q8-E-P10  | 8  | 8  | 14      | 34       |
| NPQH-D-Q10-E-P10 | 10 | 10 | 16      | 38,5     |
| NPQH-D-Q12-E-P10 | 12 | 12 | 19      | 41       |
| NPQH-D-Q14-E-P10 | 14 | 14 | 22      | 47       |

## Dimensions

Dimensions – Push-in connector NPQH-D, reducing

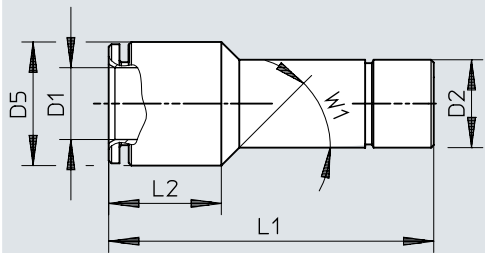
Download CAD data [www.festo.com](http://www.festo.com)



|                    | D1 | D2 | D5<br>ø | D6<br>ø | L1<br>±1 |
|--------------------|----|----|---------|---------|----------|
| NPQH-D-Q6-Q4-P10   | 6  | 4  | 12      | 12      | 31       |
| NPQH-D-Q8-Q6-P10   | 8  | 6  | 14      | 14      | 34       |
| NPQH-D-Q12-Q8-P10  | 12 | 8  | 19      | 14      | 39       |
| NPQH-D-Q14-Q10-P10 | 14 | 10 | 22      | 16      | 44,5     |
| NPQH-D-Q14-Q12-P10 | 14 | 12 | 22      | 19      | 44,5     |

Dimensions

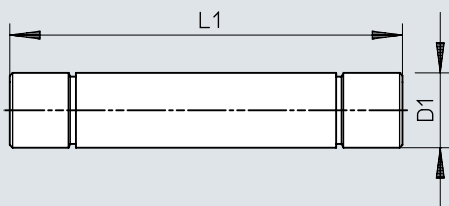
Dimensions – Push-in connector NPQH-D with push-in sleeve [Download CAD data](#) [www.festo.com](http://www.festo.com)



|                    | D1 | D2 | D5<br>ø | L1   | L2   | W1 |
|--------------------|----|----|---------|------|------|----|
| NPQH-D-S6-Q4-P10   | 4  | 6  | 9       | 33,5 | 9,5  | 45 |
| NPQH-D-S8-Q4-P10   |    | 8  | 9       | 33,5 | 10,5 | 45 |
| NPQH-D-S10-Q4-P10  |    | 10 | 10      | 31,5 | –    | –  |
| NPQH-D-S8-Q6-P10   | 6  | 8  | 12      | 35   | 10,5 | 45 |
| NPQH-D-S10-Q6-P10  |    | 10 | 12      | 36,5 | 11   | 45 |
| NPQH-D-S12-Q6-P10  |    | 12 | 12      | 35,5 | –    | –  |
| NPQH-D-S14-Q6-P10  |    | 14 | 14      | 37,5 | –    | –  |
| NPQH-D-S10-Q8-P10  | 8  | 10 | 14      | 37   | 10,5 | 45 |
| NPQH-D-S12-Q8-P10  |    | 12 | 14      | 39   | 10,5 | 45 |
| NPQH-D-S14-Q8-P10  |    | 14 | 14      | 38,5 | –    | –  |
| NPQH-D-S12-Q10-P10 | 10 | 12 | 16      | 42   | 12   | 45 |
| NPQH-D-S14-Q10-P10 |    | 14 | 16      | 42   | 13   | 45 |
| NPQH-D-S14-Q12-P10 | 12 | 14 | 19      | 43   | 12,5 | 45 |

## Dimensions

### Dimensions – Push-in sleeve NPQH-D

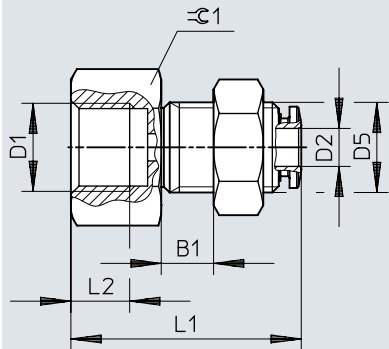
[Download CAD data](#) [www.festo.com](http://www.festo.com)


|                  | D1 | L1 |
|------------------|----|----|
| NPQH-D-S4-E-P10  | 4  | 35 |
| NPQH-D-S6-E-P10  | 6  | 40 |
| NPQH-D-S8-E-P10  | 8  | 42 |
| NPQH-D-S10-E-P10 | 10 | 50 |
| NPQH-D-S12-E-P10 | 12 | 53 |
| NPQH-D-S14-E-P10 | 14 | 54 |

Dimensions

Dimensions – Bulkhead push-in fitting NPQH-H, female thread, with external hex

Download CAD data [www.festo.com](http://www.festo.com)

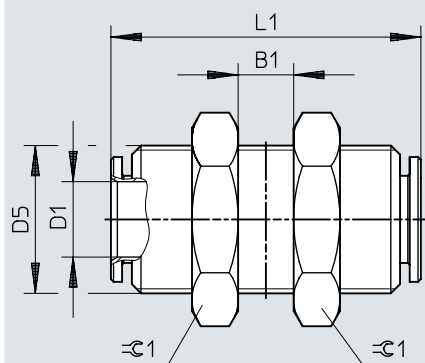


|                    | D1   | D2 | B1<br>max. | D5    | L1<br>±0,5 | L2  | ≙C1 |
|--------------------|------|----|------------|-------|------------|-----|-----|
| NPQH-H-G18F-Q4-P10 | G1/8 | 4  | 7          | M12x1 | 23,5       | 7,5 | 16  |
| NPQH-H-G18F-Q6-P10 |      | 6  | 10         | M14x1 | 26,5       | 7,5 | 18  |
| NPQH-H-G18F-Q8-P10 |      | 8  | 10         | M16x1 | 26,5       | 7,5 | 20  |
| NPQH-H-G14F-Q6-P10 | G1/4 | 6  | 10         | M14x1 | 30,5       | 11  | 18  |
| NPQH-H-G14F-Q8-P10 |      | 8  | 10         | M16x1 | 30,5       | 11  | 20  |

## Dimensions

Dimensions – Push-in bulkhead connector NPQH-H

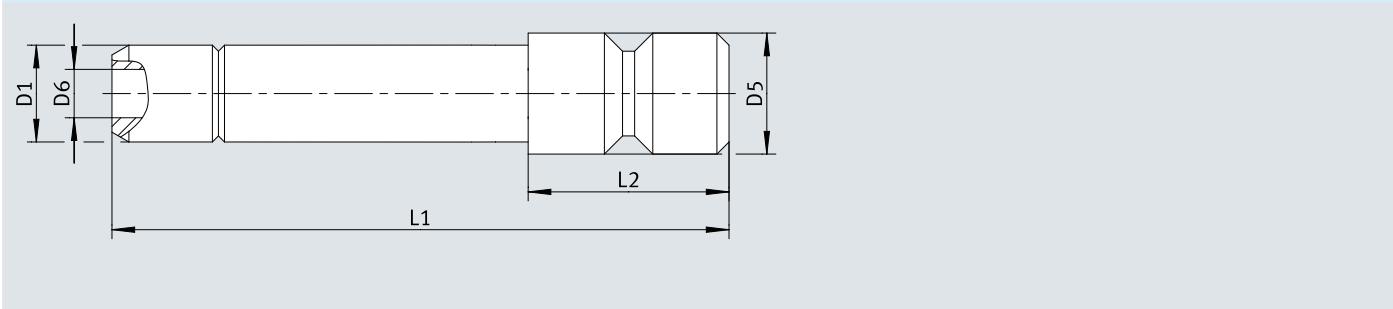
Download CAD data [www.festo.com](http://www.festo.com)



|                  | D1 | B1<br>max. | D5    | L1 | Ø1 |
|------------------|----|------------|-------|----|----|
| NPQH-H-Q4-E-P10  | 4  | 11         | M12x1 | 28 | 16 |
| NPQH-H-Q6-E-P10  | 6  | 16         | M14x1 | 34 | 18 |
| NPQH-H-Q8-E-P10  | 8  | 17         | M16x1 | 34 | 20 |
| NPQH-H-Q10-E-P10 | 10 | 19         | M18x1 | 39 | 22 |
| NPQH-H-Q12-E-P10 | 12 | 20         | M20x1 | 41 | 24 |

Dimensions

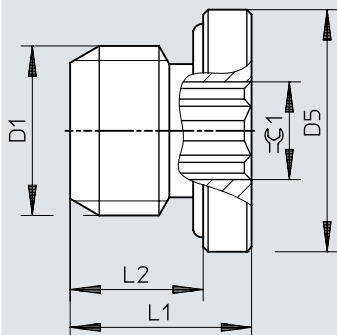
Dimensions – Blanking plug NPQH-P Download CAD data [www.festo.com](http://www.festo.com)



|                | D1 | D5<br>ø | D6<br>ø<br>±0,3 | L1<br>±0,5 | L2 |
|----------------|----|---------|-----------------|------------|----|
| NPQH-P-S4-P10  | 4  | 5       | –               | 25         | 9  |
| NPQH-P-S6-P10  | 6  | 6       | 3,5             | 25         | 9  |
| NPQH-P-S8-P10  | 8  | 8       | 5,5             | 30         | 9  |
| NPQH-P-S10-P10 | 10 | 10      | 7,5             | 35         | 12 |
| NPQH-P-S12-P10 | 12 | 12      | 9,5             | 40         | 12 |
| NPQH-P-S14-P10 | 14 | 14      | 11              | 40         | 12 |

## Dimensions

### Dimensions – Plug screw NPQH-BK

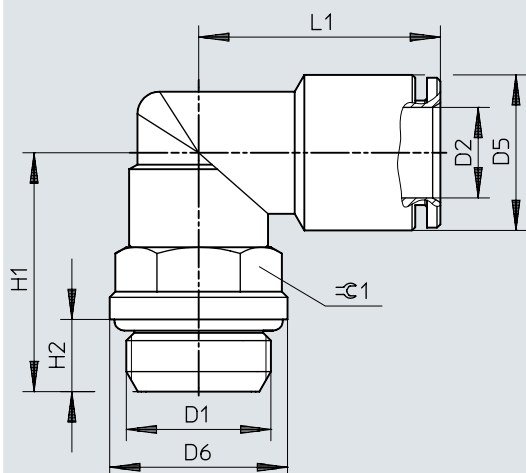
[Download CAD data](#) [www.festo.com](http://www.festo.com)


|                 | D1   | D5<br>Ø | L1<br>max. | L2  | ±0.1 |
|-----------------|------|---------|------------|-----|------|
| NPQH-BK-M5-P10  | M5   | 8       | 5,5        | 4   | 2,5  |
| NPQH-BK-M7-P10  | M7   | 9       | 7          | 5   | 3    |
| NPQH-BK-G18-P10 | G1/8 | 13      | 8,5        | 6   | 5    |
| NPQH-BK-G14-P10 | G1/4 | 16      | 9,5        | 6,5 | 6    |
| NPQH-BK-G38-P10 | G3/8 | 20      | 10         | 7   | 8    |
| NPQH-BK-G12-P10 | G1/2 | 25      | 12         | 8,5 | 10   |

## Dimensions

Dimensions – Push-in L-fitting NPQH-L, can be rotated 360°, male thread, with external hex

Download CAD data [www.festo.com](http://www.festo.com)

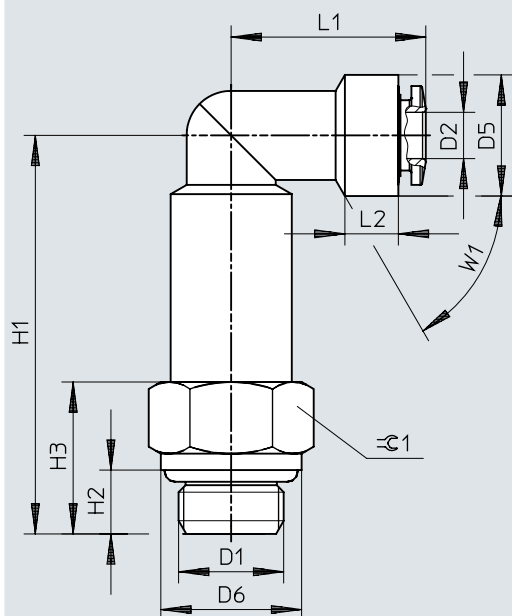


|                    | D1   | D2 | D5<br>Ø | D6<br>Ø | H1   | H2  | L1   | $\approx \varnothing 1$ |
|--------------------|------|----|---------|---------|------|-----|------|-------------------------|
| NPQH-L-M5-Q4-P10   | M5   | 4  | 9       | 8       | 14   | 4   | 17,5 | 9                       |
| NPQH-L-M5-Q6-P10   |      | 6  | 12      | 8       | 14   | 4   | 20,5 | 9                       |
| NPQH-L-M7-Q4-P10   | M7   | 4  | 9       | 9       | 15   | 5   | 17,5 | 9                       |
| NPQH-L-M7-Q6-P10   |      | 6  | 12      | 9       | 15   | 5   | 17,5 | 9                       |
| NPQH-L-G18-Q4-P10  | G1/8 | 4  | 9       | 13      | 18   | 5   | 19,5 | 13                      |
| NPQH-L-G18-Q6-P10  |      | 6  | 12      | 13      | 18   | 5   | 22   | 13                      |
| NPQH-L-G18-Q8-P10  |      | 8  | 14      | 13      | 18   | 5   | 22,5 | 13                      |
| NPQH-L-G14-Q6-P10  | G1/4 | 6  | 12      | 16      | 21,5 | 6,5 | 22   | 13                      |
| NPQH-L-G14-Q8-P10  |      | 8  | 14      | 16      | 21,5 | 6,5 | 22,5 | 13                      |
| NPQH-L-G14-Q10-P10 |      | 10 | 16      | 16      | 22   | 6,5 | 26   | 16                      |
| NPQH-L-G14-Q12-P10 |      | 12 | 19      | 16      | 25,5 | 6,5 | 28,5 | 20                      |
| NPQH-L-G38-Q8-P10  | G3/8 | 8  | 14      | 20      | 25,5 | 7   | 23   | 16                      |
| NPQH-L-G38-Q10-P10 |      | 10 | 16      | 20      | 25,5 | 7   | 26   | 16                      |
| NPQH-L-G38-Q12-P10 |      | 12 | 19      | 20      | 26   | 7   | 28,5 | 20                      |
| NPQH-L-G38-Q14-P10 |      | 14 | 22      | 20      | 26   | 7   | 32   | 20                      |
| NPQH-L-G12-Q10-P10 | G1/2 | 10 | 16      | 25      | 27,5 | 8,5 | 26   | 16                      |
| NPQH-L-G12-Q12-P10 |      | 12 | 19      | 25      | 30,5 | 8,5 | 28,5 | 20                      |
| NPQH-L-G12-Q14-P10 |      | 14 | 22      | 25      | 30,5 | 8,5 | 32   | 20                      |

## Dimensions

Dimensions – Push-in L-fitting, long, NPQH-LL, can be rotated 360°, male thread, with external hex

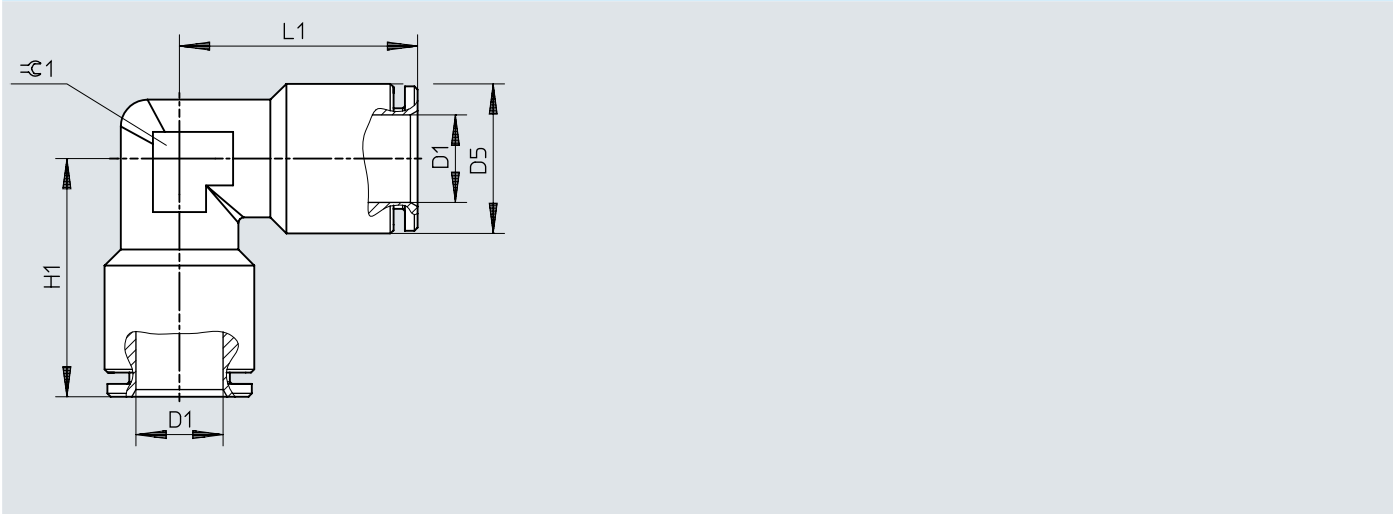
Download CAD data [www.festo.com](http://www.festo.com)



|                     | D1   | D2 | D5<br>ø<br>±0,5 | D6<br>ø<br>±0,5 | H1<br>±1 | H2  | H3   | L1<br>±1 | L2 | W1 | ⌀1 |
|---------------------|------|----|-----------------|-----------------|----------|-----|------|----------|----|----|----|
| NPQH-LL-G18-Q4-P10  | G1/8 | 4  | 9               | 13              | 29       | 5   | 9,5  | 19,5     | –  | –  | 13 |
| NPQH-LL-G18-Q6-P10  |      | 6  | 12              | 13              | 32       | 5   | 9,5  | 22       | 10 | 45 | 13 |
| NPQH-LL-G18-Q8-P10  |      | 8  | 14              | 13              | 34       | 5   | 9,5  | 22,5     | 11 | 30 | 13 |
| NPQH-LL-G14-Q6-P10  | G1/4 | 6  | 12              | 16              | 35,5     | 6,5 | 13   | 22       | 10 | 45 | 13 |
| NPQH-LL-G14-Q8-P10  |      | 8  | 14              | 16              | 37,5     | 6,5 | 13   | 22,5     | 11 | 30 | 13 |
| NPQH-LL-G14-Q10-P10 |      | 10 | 16              | 16              | 39       | 6,5 | 11,5 | 26       | 12 | 45 | 16 |
| NPQH-LL-G38-Q10-P10 | G3/8 | 10 | 16              | 20              | 42,5     | 7   | 15   | 26       | 12 | 45 | 16 |

Dimensions

Dimensions – Push-in L-connector NPQH-L [Download CAD data](http://www.festo.com) [www.festo.com](http://www.festo.com)

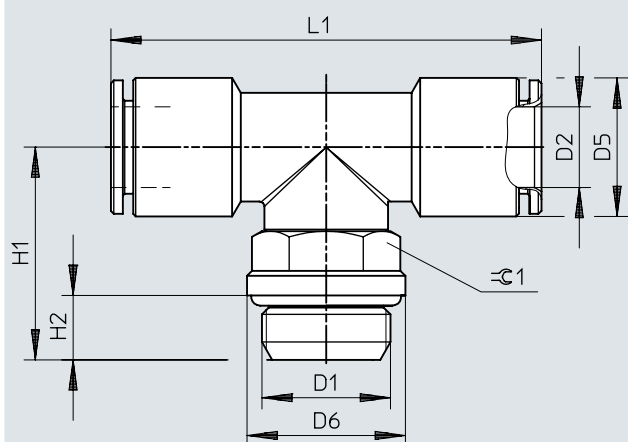


|                  | D1 | D5<br>ø | H1   | L1   | ± 1 |
|------------------|----|---------|------|------|-----|
| NPQH-L-Q4-E-P10  | 4  | 9       | 17,5 | 17,5 | 8   |
| NPQH-L-Q6-E-P10  | 6  | 12      | 20,5 | 20,5 | 10  |
| NPQH-L-Q8-E-P10  | 8  | 14      | 22,5 | 22,5 | 12  |
| NPQH-L-Q10-E-P10 | 10 | 16      | 25   | 25   | 14  |
| NPQH-L-Q12-E-P10 | 12 | 19      | 26,5 | 26,5 | 18  |
| NPQH-L-Q14-E-P10 | 14 | 22      | 31,5 | 31,5 | 18  |

## Dimensions

Dimensions – Push-in T-fitting NPQH-T, can be rotated 360°, male thread, with external hex

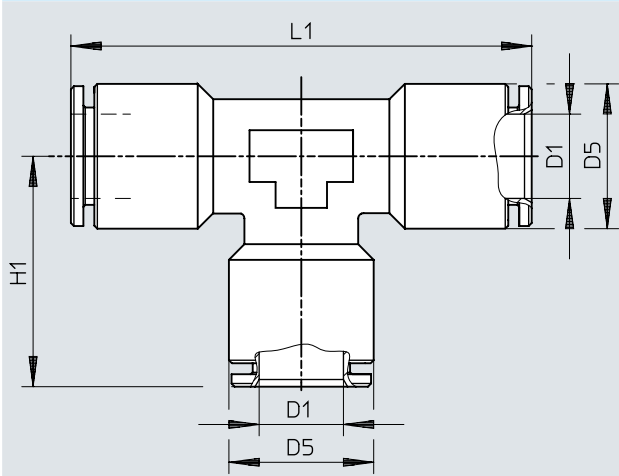
Download CAD data [www.festo.com](http://www.festo.com)



|                    | D1   | D2 | D5<br>ø | D6<br>ø | H1   | H2  | L1 | ≡G1 |
|--------------------|------|----|---------|---------|------|-----|----|-----|
| NPQH-T-M5-Q4-P10   | M5   | 4  | 9       | 8       | 14,5 | 4   | 35 | 9   |
| NPQH-T-M5-Q6-P10   |      | 6  | 12      | 8       | 14,5 | 4   | 41 | 9   |
| NPQH-T-G18-Q4-P10  | G1/8 | 4  | 9       | 13      | 18   | 5   | 39 | 13  |
| NPQH-T-G18-Q6-P10  |      | 6  | 12      | 13      | 18   | 5   | 44 | 13  |
| NPQH-T-G18-Q8-P10  |      | 8  | 14      | 13      | 18   | 5   | 45 | 13  |
| NPQH-T-G14-Q6-P10  | G1/4 | 6  | 12      | 16      | 21,5 | 6,5 | 44 | 13  |
| NPQH-T-G14-Q8-P10  |      | 8  | 14      | 16      | 21,5 | 6,5 | 45 | 13  |
| NPQH-T-G14-Q10-P10 |      | 10 | 16      | 16      | 22   | 6,5 | 52 | 16  |
| NPQH-T-G14-Q12-P10 |      | 12 | 19      | 16      | 25,5 | 6,5 | 57 | 20  |
| NPQH-T-G38-Q8-P10  | G3/8 | 8  | 14      | 20      | 25,5 | 7   | 46 | 16  |
| NPQH-T-G38-Q10-P10 |      | 10 | 16      | 20      | 25,5 | 7   | 52 | 16  |
| NPQH-T-G38-Q12-P10 |      | 12 | 19      | 20      | 26   | 7   | 57 | 20  |
| NPQH-T-G12-Q10-P10 | G1/2 | 10 | 16      | 25      | 27,5 | 8,5 | 52 | 16  |
| NPQH-T-G12-Q12-P10 |      | 12 | 19      | 25      | 30,5 | 8,5 | 57 | 20  |

Dimensions

Dimensions – Push-in T-connector NPQH-T Download CAD data [www.festo.com](http://www.festo.com)

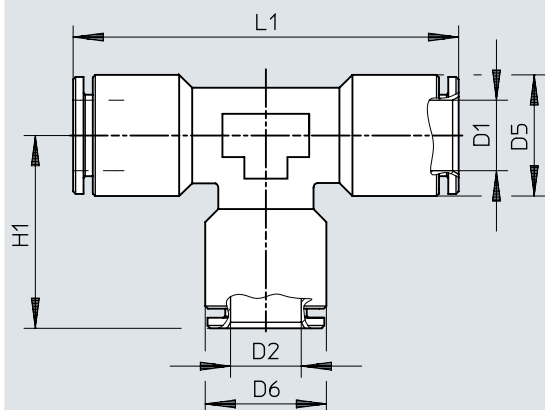


|                  | D1 | D5<br>ø | H1   | L1 |
|------------------|----|---------|------|----|
| NPQH-T-Q4-E-P10  | 4  | 9       | 17,5 | 35 |
| NPQH-T-Q6-E-P10  | 6  | 12      | 20   | 40 |
| NPQH-T-Q8-E-P10  | 8  | 14      | 21   | 42 |
| NPQH-T-Q10-E-P10 | 10 | 16      | 24,5 | 49 |
| NPQH-T-Q12-E-P10 | 12 | 19      | 26   | 52 |
| NPQH-T-Q14-E-P10 | 14 | 22      | 30,5 | 61 |

## Dimensions

Dimensions – Push-in T-connector NPQH-T, reducing

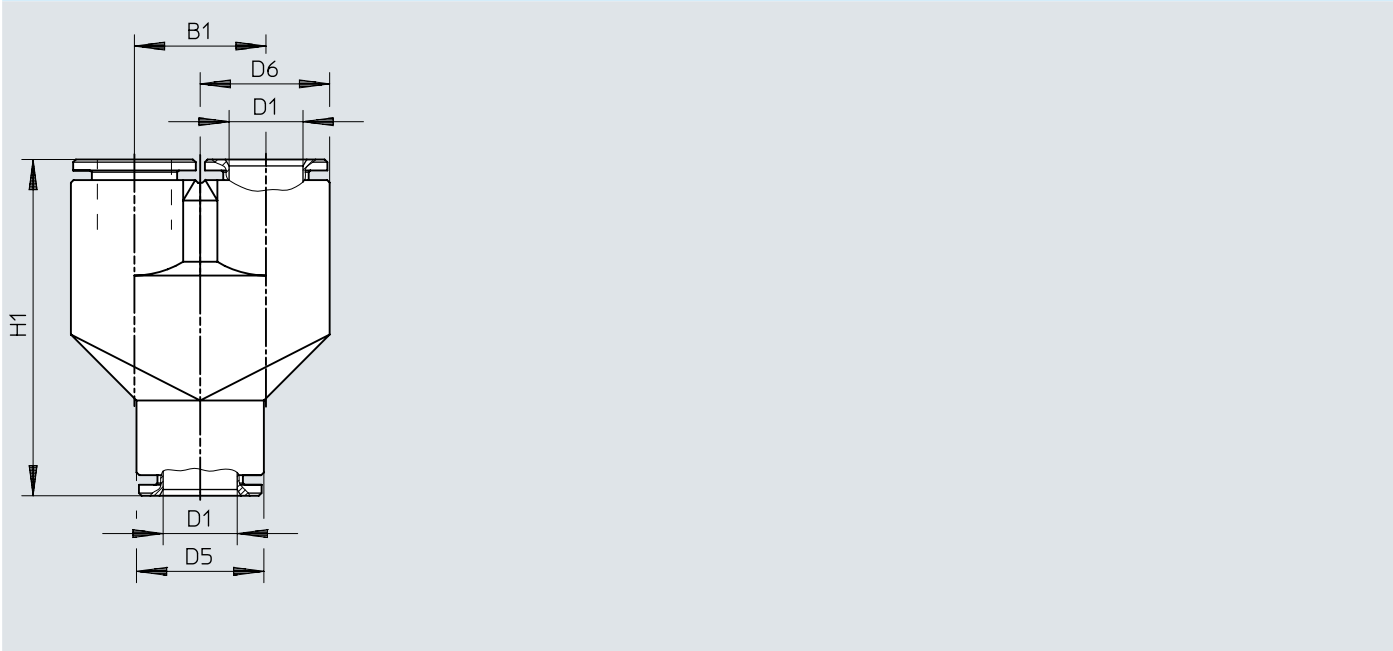
Download CAD data [www.festo.com](http://www.festo.com)



|                    | D1 | D2 | D5<br>Ø | D6<br>Ø | H1   | L1 |
|--------------------|----|----|---------|---------|------|----|
| NPQH-T-Q6-Q4-P10   | 6  | 4  | 12      | 9       | 18   | 40 |
| NPQH-T-Q8-Q6-P10   | 8  | 6  | 14      | 12      | 20,5 | 42 |
| NPQH-T-Q10-Q8-P10  | 10 | 8  | 16      | 14      | 23   | 49 |
| NPQH-T-Q12-Q10-P10 | 12 | 10 | 19      | 16      | 26   | 52 |

Dimensions

Dimensions – Push-in Y-connector NPQH-Y Download CAD data [www.festo.com](http://www.festo.com)

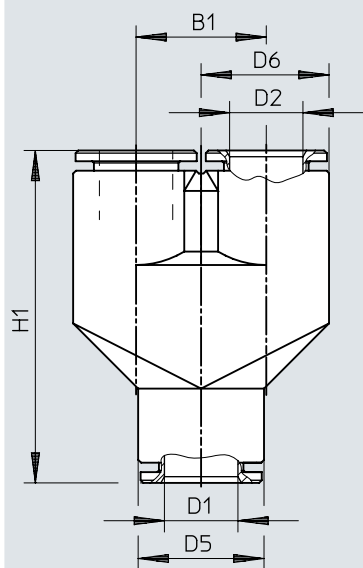


|                  | D1 | B1   | D5<br>ø | D6<br>ø | H1   |
|------------------|----|------|---------|---------|------|
| NPQH-Y-Q6-E-P10  | 6  | 12,5 | 12      | 12,3    | 36   |
| NPQH-Y-Q8-E-P10  | 8  | 14,5 | 14      | 14,3    | 37,5 |
| NPQH-Y-Q10-E-P10 | 10 | 16,5 | 16      | 16,3    | 44,5 |

## Dimensions

Dimensions – Push-in Y-connector NPQH-Y, reducing

Download CAD data [www.festo.com](http://www.festo.com)



|                   | D1 | D2 | B1   | D5<br>ø | D6<br>ø | H1   |
|-------------------|----|----|------|---------|---------|------|
| NPQH-Y-Q6-Q4-P10  | 6  | 4  | 12,5 | 12      | 12,3    | 34   |
| NPQH-Y-Q8-Q6-P10  | 8  | 6  | 14,5 | 14      | 14,3    | 37,5 |
| NPQH-Y-Q10-Q8-P10 | 10 | 8  | 16,5 | 16      | 16,3    | 44   |

## Ordering data

Push-in fitting NPQH-D, male thread, with external hex

|                                                                                  | Pneumatic connection,<br>port 1 | Pneumatic connection,<br>port 2      | Product weight | Part no. | Type               |
|----------------------------------------------------------------------------------|---------------------------------|--------------------------------------|----------------|----------|--------------------|
|  | Male thread M5                  | For tubing outside diameter of 4 mm  | 5.8 g          | 578334   | NPQH-D-M5-Q4-P10   |
|                                                                                  |                                 | For tubing outside diameter of 6 mm  | 11.2 g         | 578335   | NPQH-D-M5-Q6-P10   |
|                                                                                  | Male thread M7                  | For tubing outside diameter of 4 mm  | 5.2 g          | 578336   | NPQH-D-M7-Q4-P10   |
|                                                                                  |                                 | For tubing outside diameter of 6 mm  | 10.2 g         | 578337   | NPQH-D-M7-Q6-P10   |
|                                                                                  | Male thread G1/8                | For tubing outside diameter of 4 mm  | 6.3 g          | 578338   | NPQH-D-G18-Q4-P10  |
|                                                                                  |                                 | For tubing outside diameter of 6 mm  | 9.2 g          | 578339   | NPQH-D-G18-Q6-P10  |
|                                                                                  |                                 | For tubing outside diameter of 8 mm  | 11.9 g         | 578340   | NPQH-D-G18-Q8-P10  |
|                                                                                  | Male thread G1/4                | For tubing outside diameter of 6 mm  | 13.1 g         | 578341   | NPQH-D-G14-Q6-P10  |
|                                                                                  |                                 | For tubing outside diameter of 8 mm  | 14.1 g         | 578342   | NPQH-D-G14-Q8-P10  |
|                                                                                  |                                 | For tubing outside diameter of 10 mm | 17.5 g         | 578343   | NPQH-D-G14-Q10-P10 |
|                                                                                  |                                 | For tubing outer diameter of 12 mm   | 26.6 g         | 578344   | NPQH-D-G14-Q12-P10 |
|                                                                                  | Male thread G3/8                | For tubing outside diameter of 8 mm  | 20.6 g         | 578345   | NPQH-D-G38-Q8-P10  |
|                                                                                  |                                 | For tubing outside diameter of 10 mm | 22.7 g         | 578346   | NPQH-D-G38-Q10-P10 |
|                                                                                  |                                 | For tubing outer diameter of 12 mm   | 29.8 g         | 578347   | NPQH-D-G38-Q12-P10 |
|                                                                                  |                                 | For tubing outside diameter of 14 mm | 38.3 g         | 578348   | NPQH-D-G38-Q14-P10 |
|                                                                                  | Male thread G1/2                | For tubing outside diameter of 10 mm | 35.4 g         | 578349   | NPQH-D-G12-Q10-P10 |
|                                                                                  |                                 | For tubing outer diameter of 12 mm   | 37.1 g         | 578350   | NPQH-D-G12-Q12-P10 |
|                                                                                  |                                 | For tubing outside diameter of 14 mm | 43.4 g         | 578351   | NPQH-D-G12-Q14-P10 |

Push-in fitting NPQH-D, female thread, with external hex

|                                                                                    | Pneumatic connection,<br>port 1 | Pneumatic connection,<br>port 2     | Product weight | Part no. | Type               |
|------------------------------------------------------------------------------------|---------------------------------|-------------------------------------|----------------|----------|--------------------|
|  | Female thread G1/8              | For tubing outside diameter of 4 mm | 10.2 g         | 578352   | NPQH-D-G18F-Q4-P10 |
|                                                                                    |                                 | For tubing outside diameter of 6 mm | 15.2 g         | 578353   | NPQH-D-G18F-Q6-P10 |
|                                                                                    |                                 | For tubing outside diameter of 8 mm | 17.9 g         | 578354   | NPQH-D-G18F-Q8-P10 |
|                                                                                    | Female thread G1/4              | For tubing outside diameter of 4 mm | 14.6 g         | 578355   | NPQH-D-G14F-Q4-P10 |
|                                                                                    |                                 | For tubing outside diameter of 6 mm | 18.7 g         | 578356   | NPQH-D-G14F-Q6-P10 |
|                                                                                    |                                 | For tubing outside diameter of 8 mm | 20.3 g         | 578357   | NPQH-D-G14F-Q8-P10 |

## Ordering data

| Push-in fitting NPQH-D with push-in sleeve                                        |                              |                              |                |          |                    |
|-----------------------------------------------------------------------------------|------------------------------|------------------------------|----------------|----------|--------------------|
|                                                                                   | Pneumatic connection, port 1 | Pneumatic connection, port 2 | Product weight | Part no. | Type               |
|  | Male thread M5               | Push-in sleeve Ø 4 mm        | 3.3 g          | 578358   | NPQH-D-M5-S4-P10   |
|                                                                                   |                              | Push-in sleeve Ø 6 mm        | 6 g            | 578359   | NPQH-D-M5-S6-P10   |
|                                                                                   | Male thread G1/8             | Push-in sleeve Ø 4 mm        | 7.4 g          | 578360   | NPQH-D-G18-S4-P10  |
|                                                                                   |                              | Push-in sleeve Ø 6 mm        | 8.6 g          | 578361   | NPQH-D-G18-S6-P10  |
|                                                                                   |                              | Push-in sleeve Ø 8 mm        | 9.6 g          | 578362   | NPQH-D-G18-S8-P10  |
|                                                                                   | Male thread G1/4             | Push-in sleeve Ø 6 mm        | 13.9 g         | 578363   | NPQH-D-G14-S6-P10  |
|                                                                                   |                              | Push-in sleeve Ø 8 mm        | 14.8 g         | 578364   | NPQH-D-G14-S8-P10  |
|                                                                                   |                              | Push-in sleeve Ø 10 mm       | 15.8 g         | 578365   | NPQH-D-G14-S10-P10 |
|                                                                                   |                              | Push-in sleeve Ø 12 mm       | 22.2 g         | 578366   | NPQH-D-G14-S12-P10 |
|                                                                                   | Male thread G3/8             | Push-in sleeve Ø 10 mm       | 22.5 g         | 578367   | NPQH-D-G38-S10-P10 |
|                                                                                   |                              | Push-in sleeve Ø 12 mm       | 23.8 g         | 578368   | NPQH-D-G38-S12-P10 |
|                                                                                   | Male thread G1/2             | Push-in sleeve Ø 12 mm       | 34 g           | 578369   | NPQH-D-G12-S12-P10 |

| Push-in fitting NPQH-DK, male thread, with internal hex                            |                              |                                      |                |          |                     |
|------------------------------------------------------------------------------------|------------------------------|--------------------------------------|----------------|----------|---------------------|
|                                                                                    | Pneumatic connection, port 1 | Pneumatic connection, port 2         | Product weight | Part no. | Type                |
|  | Male thread M5               | For tubing outside diameter of 4 mm  | 4.5 g          | 578370   | NPQH-DK-M5-Q4-P10   |
|                                                                                    |                              | For tubing outside diameter of 6 mm  | 5.58 g         | 8114987  | NPQH-DK-M5-Q6-P10   |
|                                                                                    | Male thread M7               | For tubing outside diameter of 4 mm  | 5.1 g          | 578372   | NPQH-DK-M7-Q4-P10   |
|                                                                                    |                              | For tubing outside diameter of 6 mm  | 6.41 g         | 8114986  | NPQH-DK-M7-Q6-P10   |
|                                                                                    | Male thread G1/8             | For tubing outside diameter of 4 mm  | 6.2 g          | 578374   | NPQH-DK-G18-Q4-P10  |
|                                                                                    |                              | For tubing outside diameter of 6 mm  | 9.1 g          | 578375   | NPQH-DK-G18-Q6-P10  |
|                                                                                    |                              | For tubing outside diameter of 8 mm  | 12.8 g         | 578376   | NPQH-DK-G18-Q8-P10  |
|                                                                                    |                              | For tubing outside diameter of 10 mm | 16.2 g         | 8114985  | NPQH-DK-G18-Q10-P10 |
|                                                                                    | Male thread G1/4             | For tubing outside diameter of 8 mm  | 14.4 g         | 578377   | NPQH-DK-G14-Q8-P10  |
|                                                                                    |                              | For tubing outside diameter of 10 mm | 18.6 g         | 578378   | NPQH-DK-G14-Q10-P10 |
|                                                                                    | Male thread G3/8             | For tubing outer diameter of 12 mm   | 28.2 g         | 578379   | NPQH-DK-G38-Q12-P10 |

| Push-in connector NPQH-D                                                            |                                     |                                      |                |          |                  |
|-------------------------------------------------------------------------------------|-------------------------------------|--------------------------------------|----------------|----------|------------------|
|                                                                                     | Pneumatic connection, port 1        | Pneumatic connection, port 2         | Product weight | Part no. | Type             |
|  | For tubing outer diameter of 4 mm   | For tubing outside diameter of 4 mm  | 7 g            | 578323   | NPQH-D-Q4-E-P10  |
|                                                                                     | For tubing outside diameter of 6 mm | For tubing outside diameter of 6 mm  | 15.1 g         | 578324   | NPQH-D-Q6-E-P10  |
|                                                                                     | For tubing outer diameter of 8 mm   | For tubing outside diameter of 8 mm  | 18.5 g         | 578325   | NPQH-D-Q8-E-P10  |
|                                                                                     | For tubing outer diameter of 10 mm  | For tubing outside diameter of 10 mm | 22.8 g         | 578326   | NPQH-D-Q10-E-P10 |
|                                                                                     | For tubing outer diameter of 12 mm  | For tubing outer diameter of 12 mm   | 37 g           | 578327   | NPQH-D-Q12-E-P10 |

## Ordering data

| Push-in connector NPQH-D                                                         |                                    |                                      |                |          |                  |
|----------------------------------------------------------------------------------|------------------------------------|--------------------------------------|----------------|----------|------------------|
|                                                                                  | Pneumatic connection, port 1       | Pneumatic connection, port 2         | Product weight | Part no. | Type             |
|  | For tubing outer diameter of 14 mm | For tubing outside diameter of 14 mm | 49.2 g         | 578328   | NPQH-D-Q14-E-P10 |

| Push-in connector NPQH-D, reducing                                               |                 |                                     |                                      |                |          |                    |
|----------------------------------------------------------------------------------|-----------------|-------------------------------------|--------------------------------------|----------------|----------|--------------------|
|                                                                                  | Design          | Pneumatic connection, port 1        | Pneumatic connection, port 2         | Product weight | Part no. | Type               |
|  | Straight design | For tubing outside diameter of 6 mm | For tubing outside diameter of 4 mm  | 14.9 g         | 578329   | NPQH-D-Q6-Q4-P10   |
|                                                                                  |                 | For tubing outer diameter of 8 mm   | For tubing outside diameter of 6 mm  | 21.4 g         | 578330   | NPQH-D-Q8-Q6-P10   |
|                                                                                  |                 | For tubing outer diameter of 12 mm  | For tubing outside diameter of 8 mm  | 32.5 g         | 578331   | NPQH-D-Q12-Q8-P10  |
|                                                                                  |                 | For tubing outer diameter of 14 mm  | For tubing outside diameter of 10 mm | 43.2 g         | 578332   | NPQH-D-Q14-Q10-P10 |
|                                                                                  |                 |                                     | For tubing outer diameter of 12 mm   | 45.8 g         | 578333   | NPQH-D-Q14-Q12-P10 |

| Push-in connector NPQH-D with push-in sleeve                                       |                 |                              |                                      |                |          |                    |
|------------------------------------------------------------------------------------|-----------------|------------------------------|--------------------------------------|----------------|----------|--------------------|
|                                                                                    | Design          | Pneumatic connection, port 1 | Pneumatic connection, port 2         | Product weight | Part no. | Type               |
|  | Straight design | Push-in sleeve Ø 6 mm        | For tubing outside diameter of 4 mm  | 6.9 g          | 578304   | NPQH-D-S6-Q4-P10   |
|                                                                                    |                 | Push-in sleeve Ø 8 mm        | For tubing outside diameter of 6 mm  | 10.4 g         | 578305   | NPQH-D-S8-Q4-P10   |
|                                                                                    |                 |                              | For tubing outside diameter of 8 mm  | 11.7 g         | 578306   | NPQH-D-S8-Q6-P10   |
|                                                                                    |                 | Push-in sleeve Ø 10 mm       | For tubing outside diameter of 4 mm  | 15.4 g         | 578307   | NPQH-D-S10-Q4-P10  |
|                                                                                    |                 |                              | For tubing outside diameter of 6 mm  | 16.8 g         | 578308   | NPQH-D-S10-Q6-P10  |
|                                                                                    |                 |                              | For tubing outside diameter of 8 mm  | 15.1 g         | 578309   | NPQH-D-S10-Q8-P10  |
|                                                                                    |                 | Push-in sleeve Ø 12 mm       | For tubing outside diameter of 6 mm  | 22.6 g         | 578310   | NPQH-D-S12-Q6-P10  |
|                                                                                    |                 |                              | For tubing outside diameter of 8 mm  | 22.8 g         | 578311   | NPQH-D-S12-Q8-P10  |
|                                                                                    |                 |                              | For tubing outside diameter of 10 mm | 20.5 g         | 578312   | NPQH-D-S12-Q10-P10 |
|                                                                                    |                 | Push-in sleeve Ø 14 mm       | For tubing outside diameter of 6 mm  | 35.7 g         | 578313   | NPQH-D-S14-Q6-P10  |

## Ordering data

| Push-in connector NPQH-D with push-in sleeve                                      |                 |                              |                                      |                |          |                    |
|-----------------------------------------------------------------------------------|-----------------|------------------------------|--------------------------------------|----------------|----------|--------------------|
|                                                                                   | Design          | Pneumatic connection, port 1 | Pneumatic connection, port 2         | Product weight | Part no. | Type               |
|  | Straight design | Push-in sleeve Ø 14 mm       | For tubing outside diameter of 8 mm  | 31.1 g         | 578314   | NPQH-D-S14-Q8-P10  |
|                                                                                   |                 |                              | For tubing outside diameter of 10 mm | 29.2 g         | 578315   | NPQH-D-S14-Q10-P10 |
|                                                                                   |                 |                              | For tubing outer diameter of 12 mm   | 27.7 g         | 578316   | NPQH-D-S14-Q12-P10 |

| Push-in sleeve NPQH-D                                                             |                 |                              |                              |                |          |                  |
|-----------------------------------------------------------------------------------|-----------------|------------------------------|------------------------------|----------------|----------|------------------|
|                                                                                   | Design          | Pneumatic connection, port 1 | Pneumatic connection, port 2 | Product weight | Part no. | Type             |
|  | Straight design | Push-in sleeve Ø 4 mm        | Push-in sleeve Ø 4 mm        | 2.8 g          | 578317   | NPQH-D-S4-E-P10  |
|                                                                                   |                 | Push-in sleeve Ø 6 mm        | Push-in sleeve Ø 6 mm        | 5.1 g          | 578318   | NPQH-D-S6-E-P10  |
|                                                                                   |                 | Push-in sleeve Ø 8 mm        | Push-in sleeve Ø 8 mm        | 7.6 g          | 578319   | NPQH-D-S8-E-P10  |
|                                                                                   |                 | Push-in sleeve Ø 10 mm       | Push-in sleeve Ø 10 mm       | 12 g           | 578320   | NPQH-D-S10-E-P10 |
|                                                                                   |                 | Push-in sleeve Ø 12 mm       | Push-in sleeve Ø 12 mm       | 16.1 g         | 578321   | NPQH-D-S12-E-P10 |
|                                                                                   |                 | Push-in sleeve Ø 14 mm       | Push-in sleeve Ø 14 mm       | 19.1 g         | 578322   | NPQH-D-S14-E-P10 |

| Bulkhead push-in fitting NPQH-H, female thread, with external hex                   |                              |                                     |                |          |                    |
|-------------------------------------------------------------------------------------|------------------------------|-------------------------------------|----------------|----------|--------------------|
|                                                                                     | Pneumatic connection, port 1 | Pneumatic connection, port 2        | Product weight | Part no. | Type               |
|  | Female thread G1/8           | For tubing outside diameter of 4 mm | 24.6 g         | 578294   | NPQH-H-G18F-Q4-P10 |
|                                                                                     |                              | For tubing outside diameter of 6 mm | 34.2 g         | 578295   | NPQH-H-G18F-Q6-P10 |
|                                                                                     |                              | For tubing outside diameter of 8 mm | 42.3 g         | 578296   | NPQH-H-G18F-Q8-P10 |
|                                                                                     | Female thread G1/4           | For tubing outside diameter of 6 mm | 36.4 g         | 578297   | NPQH-H-G14F-Q6-P10 |
|                                                                                     |                              | For tubing outside diameter of 8 mm | 46.5 g         | 578298   | NPQH-H-G14F-Q8-P10 |

| Push-in bulkhead connector NPQH-H                                                   |          |                                     |                                      |                |          |                  |
|-------------------------------------------------------------------------------------|----------|-------------------------------------|--------------------------------------|----------------|----------|------------------|
|                                                                                     | Design   | Pneumatic connection, port 1        | Pneumatic connection, port 2         | Product weight | Part no. | Type             |
|  | Bulkhead | For tubing outer diameter of 4 mm   | For tubing outside diameter of 4 mm  | 23.5 g         | 578299   | NPQH-H-Q4-E-P10  |
|                                                                                     |          | For tubing outside diameter of 6 mm | For tubing outside diameter of 6 mm  | 34.6 g         | 578300   | NPQH-H-Q6-E-P10  |
|                                                                                     |          | For tubing outer diameter of 8 mm   | For tubing outside diameter of 8 mm  | 40.6 g         | 578301   | NPQH-H-Q8-E-P10  |
|                                                                                     |          | For tubing outer diameter of 10 mm  | For tubing outside diameter of 10 mm | 52 g           | 578302   | NPQH-H-Q10-E-P10 |

## Ordering data

## Push-in bulkhead connector NPQH-H

|                                                                                  | Design   | Pneumatic connection, port 1       | Pneumatic connection, port 2       | Product weight | Part no. | Type             |
|----------------------------------------------------------------------------------|----------|------------------------------------|------------------------------------|----------------|----------|------------------|
|  | Bulkhead | For tubing outer diameter of 12 mm | For tubing outer diameter of 12 mm | 60.8 g         | 578303   | NPQH-H-Q12-E-P10 |

## Blanking plug NPQH-P

|                                                                                  | Pneumatic connection, port 1 | Product weight | Part no. | Type           |
|----------------------------------------------------------------------------------|------------------------------|----------------|----------|----------------|
|  | Push-in sleeve Ø 4 mm        | 2.3 g          | 578257   | NPQH-P-S4-P10  |
|                                                                                  | Push-in sleeve Ø 6 mm        | 3.9 g          | 578258   | NPQH-P-S6-P10  |
|                                                                                  | Push-in sleeve Ø 8 mm        | 7.4 g          | 578259   | NPQH-P-S8-P10  |
|                                                                                  | Push-in sleeve Ø 10 mm       | 12 g           | 578260   | NPQH-P-S10-P10 |
|                                                                                  | Push-in sleeve Ø 12 mm       | 18.5 g         | 578261   | NPQH-P-S12-P10 |
|                                                                                  | Push-in sleeve Ø 14 mm       | 26.5 g         | 578262   | NPQH-P-S14-P10 |

## Plug screw NPQH-BK

|                                                                                   | Pneumatic connection, port 1 | Product weight | Part no. | Type            |
|-----------------------------------------------------------------------------------|------------------------------|----------------|----------|-----------------|
|  | Male thread M5               | 0.8 g          | 578404   | NPQH-BK-M5-P10  |
|                                                                                   | Male thread M7               | 2.1 g          | 578405   | NPQH-BK-M7-P10  |
|                                                                                   | Male thread G1/8             | 4.4 g          | 578406   | NPQH-BK-G18-P10 |
|                                                                                   | Male thread G1/4             | 8.9 g          | 578407   | NPQH-BK-G14-P10 |
|                                                                                   | Male thread G3/8             | 18.5 g         | 578408   | NPQH-BK-G38-P10 |
|                                                                                   | Male thread G1/2             | 33 g           | 578409   | NPQH-BK-G12-P10 |

## Push-in L-fitting NPQH-L, can be rotated 360°, male thread, with external hex

|                                                                                    | Pneumatic connection,<br>port 1 | Pneumatic connection,<br>port 2           | Product weight | Part no. | Type               |
|------------------------------------------------------------------------------------|---------------------------------|-------------------------------------------|----------------|----------|--------------------|
|  | Male thread M5                  | For tubing outside di-<br>ameter of 4 mm  | 8.9 g          | 578276   | NPQH-L-M5-Q4-P10   |
|                                                                                    |                                 | For tubing outside di-<br>ameter of 6 mm  | 12.2 g         | 578277   | NPQH-L-M5-Q6-P10   |
|                                                                                    | Male thread M7                  | For tubing outside di-<br>ameter of 4 mm  | 9.3 g          | 578278   | NPQH-L-M7-Q4-P10   |
|                                                                                    |                                 | For tubing outside di-<br>ameter of 6 mm  | 12.5 g         | 578279   | NPQH-L-M7-Q6-P10   |
|                                                                                    | Male thread G1/8                | For tubing outside di-<br>ameter of 4 mm  | 16.3 g         | 578280   | NPQH-L-G18-Q4-P10  |
|                                                                                    |                                 | For tubing outside di-<br>ameter of 6 mm  | 19.3 g         | 578281   | NPQH-L-G18-Q6-P10  |
|                                                                                    |                                 | For tubing outside di-<br>ameter of 8 mm  | 22.2 g         | 578282   | NPQH-L-G18-Q8-P10  |
|                                                                                    | Male thread G1/4                | For tubing outside di-<br>ameter of 6 mm  | 22.4 g         | 578283   | NPQH-L-G14-Q6-P10  |
|                                                                                    |                                 | For tubing outside di-<br>ameter of 8 mm  | 25.8 g         | 578284   | NPQH-L-G14-Q8-P10  |
|                                                                                    |                                 | For tubing outside di-<br>ameter of 10 mm | 33.1 g         | 578285   | NPQH-L-G14-Q10-P10 |
|                                                                                    |                                 | For tubing outer diame-<br>ter of 12 mm   | 59.6 g         | 578286   | NPQH-L-G14-Q12-P10 |

## Ordering data

| Push-in L-fitting NPQH-L, can be rotated 360°, male thread, with external hex     |                              |                                      |                |          |                    |
|-----------------------------------------------------------------------------------|------------------------------|--------------------------------------|----------------|----------|--------------------|
|                                                                                   | Pneumatic connection, port 1 | Pneumatic connection, port 2         | Product weight | Part no. | Type               |
|  | Male thread G3/8             | For tubing outside diameter of 8 mm  | 36.7 g         | 578287   | NPQH-L-G38-Q8-P10  |
|                                                                                   |                              | For tubing outside diameter of 10 mm | 38.2 g         | 578288   | NPQH-L-G38-Q10-P10 |
|                                                                                   |                              | For tubing outer diameter of 12 mm   | 58.2 g         | 578289   | NPQH-L-G38-Q12-P10 |
|                                                                                   |                              | For tubing outside diameter of 14 mm | 62.4 g         | 578290   | NPQH-L-G38-Q14-P10 |
|                                                                                   | Male thread G1/2             | For tubing outside diameter of 10 mm | 42.6 g         | 578291   | NPQH-L-G12-Q10-P10 |
|                                                                                   |                              | For tubing outer diameter of 12 mm   | 66.3 g         | 578292   | NPQH-L-G12-Q12-P10 |
|                                                                                   |                              | For tubing outside diameter of 14 mm | 70.7 g         | 578293   | NPQH-L-G12-Q14-P10 |

| Push-in L-fitting, long, NPQH-LL, can be rotated 360°, male thread, with external hex |                              |                                      |                |          |                     |
|---------------------------------------------------------------------------------------|------------------------------|--------------------------------------|----------------|----------|---------------------|
|                                                                                       | Pneumatic connection, port 1 | Pneumatic connection, port 2         | Product weight | Part no. | Type                |
|     | Male thread G1/8             | For tubing outside diameter of 4 mm  | 25.7 g         | 578263   | NPQH-LL-G18-Q4-P10  |
|                                                                                       |                              | For tubing outside diameter of 6 mm  | 31.1 g         | 578264   | NPQH-LL-G18-Q6-P10  |
|                                                                                       |                              | For tubing outside diameter of 8 mm  | 36.1 g         | 578265   | NPQH-LL-G18-Q8-P10  |
|                                                                                       | Male thread G1/4             | For tubing outside diameter of 6 mm  | 30.9 g         | 578266   | NPQH-LL-G14-Q6-P10  |
|                                                                                       |                              | For tubing outside diameter of 8 mm  | 36.2 g         | 578267   | NPQH-LL-G14-Q8-P10  |
|                                                                                       |                              | For tubing outside diameter of 10 mm | 54.3 g         | 578268   | NPQH-LL-G14-Q10-P10 |
|                                                                                       | Male thread G3/8             | For tubing outside diameter of 10 mm | 50.8 g         | 578269   | NPQH-LL-G38-Q10-P10 |

| Push-in L-connector NPQH-L                                                          |                                     |                                      |                |          |                  |
|-------------------------------------------------------------------------------------|-------------------------------------|--------------------------------------|----------------|----------|------------------|
|                                                                                     | Pneumatic connection, port 1        | Pneumatic connection, port 2         | Product weight | Part no. | Type             |
|  | For tubing outer diameter of 4 mm   | For tubing outside diameter of 4 mm  | 8.9 g          | 578270   | NPQH-L-Q4-E-P10  |
|                                                                                     | For tubing outside diameter of 6 mm | For tubing outside diameter of 6 mm  | 17.2 g         | 578271   | NPQH-L-Q6-E-P10  |
|                                                                                     | For tubing outer diameter of 8 mm   | For tubing outside diameter of 8 mm  | 22.7 g         | 578272   | NPQH-L-Q8-E-P10  |
|                                                                                     | For tubing outer diameter of 10 mm  | For tubing outside diameter of 10 mm | 29.2 g         | 578273   | NPQH-L-Q10-E-P10 |
|                                                                                     | For tubing outer diameter of 12 mm  | For tubing outer diameter of 12 mm   | 48.6 g         | 578274   | NPQH-L-Q12-E-P10 |
|                                                                                     | For tubing outer diameter of 14 mm  | For tubing outside diameter of 14 mm | 61.3 g         | 578275   | NPQH-L-Q14-E-P10 |

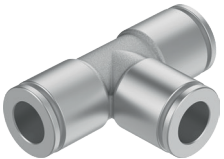
## Ordering data

| Push-in T-fitting NPQH-T, can be rotated 360°, male thread, with external hex    |                              |                                      |                |          |                    |
|----------------------------------------------------------------------------------|------------------------------|--------------------------------------|----------------|----------|--------------------|
|                                                                                  | Pneumatic connection, port 1 | Pneumatic connection, port 2         | Product weight | Part no. | Type               |
|  | Male thread M5               | For tubing outside diameter of 4 mm  | 13.9 g         | 578390   | NPQH-T-M5-Q4-P10   |
|                                                                                  |                              | For tubing outside diameter of 6 mm  | 20.7 g         | 578391   | NPQH-T-M5-Q6-P10   |
|                                                                                  | Male thread G1/8             | For tubing outside diameter of 4 mm  |                | 578392   | NPQH-T-G18-Q4-P10  |
|                                                                                  |                              | For tubing outside diameter of 6 mm  | 25.2 g         | 578393   | NPQH-T-G18-Q6-P10  |
|                                                                                  |                              | For tubing outside diameter of 8 mm  | 30.7 g         | 578394   | NPQH-T-G18-Q8-P10  |
|                                                                                  | Male thread G1/4             | For tubing outside diameter of 6 mm  | 29.9 g         | 578395   | NPQH-T-G14-Q6-P10  |
|                                                                                  |                              | For tubing outside diameter of 8 mm  | 34.1 g         | 578396   | NPQH-T-G14-Q8-P10  |
|                                                                                  |                              | For tubing outside diameter of 10 mm | 44.4 g         | 578397   | NPQH-T-G14-Q10-P10 |
|                                                                                  |                              | For tubing outer diameter of 12 mm   | 77.4 g         | 578398   | NPQH-T-G14-Q12-P10 |
|                                                                                  | Male thread G3/8             | For tubing outside diameter of 8 mm  | 46.7 g         | 578399   | NPQH-T-G38-Q8-P10  |
|                                                                                  |                              | For tubing outside diameter of 10 mm | 50.1 g         | 578400   | NPQH-T-G38-Q10-P10 |
|                                                                                  |                              | For tubing outer diameter of 12 mm   | 75.9 g         | 578401   | NPQH-T-G38-Q12-P10 |
|                                                                                  | Male thread G1/2             | For tubing outside diameter of 10 mm | 55.1 g         | 578402   | NPQH-T-G12-Q10-P10 |
|                                                                                  |                              | For tubing outer diameter of 12 mm   | 84.2 g         | 578403   | NPQH-T-G12-Q12-P10 |

| Push-in T-connector NPQH-T                                                         |                                     |                                      |                |          |                  |
|------------------------------------------------------------------------------------|-------------------------------------|--------------------------------------|----------------|----------|------------------|
|                                                                                    | Pneumatic connection, port 1        | Pneumatic connection, port 2         | Product weight | Part no. | Type             |
|  | For tubing outer diameter of 4 mm   | For tubing outside diameter of 4 mm  | 12.5 g         | 578380   | NPQH-T-Q4-E-P10  |
|                                                                                    | For tubing outside diameter of 6 mm | For tubing outside diameter of 6 mm  | 23.2 g         | 578381   | NPQH-T-Q6-E-P10  |
|                                                                                    | For tubing outer diameter of 8 mm   | For tubing outside diameter of 8 mm  | 28.6 g         | 578382   | NPQH-T-Q8-E-P10  |
|                                                                                    | For tubing outer diameter of 10 mm  | For tubing outside diameter of 10 mm | 39.8 g         | 578383   | NPQH-T-Q10-E-P10 |
|                                                                                    | For tubing outer diameter of 12 mm  | For tubing outer diameter of 12 mm   | 63.2 g         | 578384   | NPQH-T-Q12-E-P10 |
|                                                                                    | For tubing outer diameter of 14 mm  | For tubing outside diameter of 14 mm | 79.9 g         | 578385   | NPQH-T-Q14-E-P10 |

| Push-in T-connector NPQH-T, reducing                                               |                                     |                                     |                |          |                  |
|------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|----------------|----------|------------------|
|                                                                                    | Pneumatic connection, port 1        | Pneumatic connection, port 2        | Product weight | Part no. | Type             |
|  | For tubing outside diameter of 6 mm | For tubing outside diameter of 4 mm | 20.9 g         | 578386   | NPQH-T-Q6-Q4-P10 |

## Ordering data

| Push-in T-connector NPQH-T, reducing                                              |                                    |                                      |                |          |                    |
|-----------------------------------------------------------------------------------|------------------------------------|--------------------------------------|----------------|----------|--------------------|
|                                                                                   | Pneumatic connection, port 1       | Pneumatic connection, port 2         | Product weight | Part no. | Type               |
|  | For tubing outer diameter of 8 mm  | For tubing outside diameter of 6 mm  | 27.9 g         | 578387   | NPQH-T-Q8-Q6-P10   |
|                                                                                   | For tubing outer diameter of 10 mm | For tubing outside diameter of 8 mm  | 39.6 g         | 578388   | NPQH-T-Q10-Q8-P10  |
|                                                                                   | For tubing outer diameter of 12 mm | For tubing outside diameter of 10 mm | 61.8 g         | 578389   | NPQH-T-Q12-Q10-P10 |

| Push-in Y-connector NPQH-Y                                                        |                                     |                                      |                |          |                  |
|-----------------------------------------------------------------------------------|-------------------------------------|--------------------------------------|----------------|----------|------------------|
|                                                                                   | Pneumatic connection, port 1        | Pneumatic connection, port 2         | Product weight | Part no. | Type             |
|  | For tubing outside diameter of 6 mm | For tubing outside diameter of 6 mm  | 32 g           | 578410   | NPQH-Y-Q6-E-P10  |
|                                                                                   | For tubing outer diameter of 8 mm   | For tubing outside diameter of 8 mm  | 44.9 g         | 578411   | NPQH-Y-Q8-E-P10  |
|                                                                                   | For tubing outer diameter of 10 mm  | For tubing outside diameter of 10 mm | 65.9 g         | 578412   | NPQH-Y-Q10-E-P10 |

| Push-in Y-connector NPQH-Y, reducing                                                |                                     |                                     |                |          |                   |
|-------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|----------------|----------|-------------------|
|                                                                                     | Pneumatic connection, port 1        | Pneumatic connection, port 2        | Product weight | Part no. | Type              |
|  | For tubing outside diameter of 6 mm | For tubing outside diameter of 4 mm | 35.9 g         | 578413   | NPQH-Y-Q6-Q4-P10  |
|                                                                                     | For tubing outer diameter of 8 mm   | For tubing outside diameter of 6 mm | 52.6 g         | 578414   | NPQH-Y-Q8-Q6-P10  |
|                                                                                     | For tubing outer diameter of 10 mm  | For tubing outside diameter of 8 mm | 78.1 g         | 578415   | NPQH-Y-Q10-Q8-P10 |