



FOREACH

MAKE FLOW EASY

# FITTING AND TUBING CATALOG A01

深圳市恒永达科技股份有限公司  
SHENZHEN FOREACH TECHNOLOGY Co., Ltd.

# ABOUT US

Foreach Technology, founded in 2012, is a National-Level Specialized, Sophisticated, Pioneer and Niche Enterprise, a National High-Tech Enterprise, and a Guangdong Provincial Engineering Technology Research Center. As an innovation leader in the microfluidics systems field, we are dedicated to the R&D and manufacturing of core microfluidic components. The company has established a comprehensive product portfolio covering the entire chain of fluid handling systems for automated analytical instruments. This includes key components such as pumps, valves, sampling needles, fittings, rubber-plastic tubing, actuators, and sensors, supporting over 90% of the IVD (In-Vitro Diagnostics) segment. This forms a high-precision, full-scenario microfluidics solution system. Powered by strong independent innovation capabilities, the company has accumulated nearly 100 intellectual property rights. Multiple core technologies have been selected for major government R&D initiatives. Playing a leading role in industry standardization, Foreach has spearheaded the development of 3 association standards and 2 national standards, continuously driving the establishment and refinement of industry technical specifications.

As a leading domestic supplier of critical fluid components for high-end IVD equipment, Foreach Technology has served over 1,000 clients across more than 30 countries and regions worldwide. Leveraging superior product performance and continuous technological innovation, the company has significantly accelerated the domestic substitution of key components, providing robust technological and product foundations for China's independent development in the in-vitro diagnostics industry.

股票代码 | 874030  
Stock code



**05****Rigid Tubing Fittings**

|                                        |    |
|----------------------------------------|----|
| ● Flange Fittings Fittings             | 06 |
| – Standard Flanged Fittings            |    |
| – Compact Flanged Fittings             |    |
| – Gasket                               |    |
| – Custom Flanged Tube Assemblies       |    |
| ● Ferrule Fittings                     | 14 |
| – Standard Ferrule Fittings            |    |
| – Compact Ferrule Fittings             |    |
| – Long Standard Ferrule Fitting        |    |
| – Ferrule                              |    |
| ● Snap Ring Fittings                   | 21 |
| – Compact Snap Ring Fittings           |    |
| – Snap Ring Kit                        |    |
| – Custom Snap Ring Kit Tube Assemblies |    |
| ● High-Pressure Fittings               | 24 |
| – Female Threaded Straight/ Tee        |    |
| – Standard Fittings                    |    |
| – Compact Fittings                     |    |
| – Ferrule Fitting Kits                 |    |

**26****Hose Fittings**

|                                              |    |
|----------------------------------------------|----|
| ● Barbed Fittings                            | 27 |
| – Elbow/Elbow Reducer                        |    |
| – Straight Through/ Straight Through Reducer |    |
| – Tee/ Tee Reducer                           |    |
| – Y/ Y Reducer                               |    |
| – $\pi$ -Multipor                            |    |
| – Crossing-Multipor                          |    |
| ● Panel Mount Barbed Fittings                | 39 |
| – Panel Mount Barbed Fitting                 |    |
| – Hex Nut                                    |    |
| ● Thread to Barbed Fittings                  | 41 |
| – Thread Seal/ Thread Seal Elbow             |    |
| – Rotary Straight Through                    |    |
| – Bottom - Face Sealing                      |    |

**49****Luer Fittings**

|                                          |    |
|------------------------------------------|----|
| ● Female Thread to Barbed Fittings       | 47 |
| ● Male Luer Fittings                     | 50 |
| – Male Luer Rotating Lock Ring Fitting   |    |
| – Male Luer Stationary Lock Ring Fitting |    |
| – Male Luer Integral Lock Ring Fitting   |    |
| – Male Luer Stationary Lock              |    |
| – Male Luer Rotating Lock                |    |
| – Luer Lock Ring                         |    |
| ● Female Luer Fittings                   | 58 |
| – Female Luer Integral Fitting           |    |
| – Female Luer Panel Mount Fitting        |    |
| – Panel Mount Lock Nut                   |    |
| – Color Coding Ring                      |    |

**62****Quick-Connect Fittings****80****Union****85****Press-In Plugs****91****Barbed Filter****94****Barbed Check Valve****95****Tubing****103****Accessories****106****Appendix**

|                                         |     |
|-----------------------------------------|-----|
| • Quick Connect Coupling Q20            | 62  |
| • Quick Connect Coupling Q40            | 70  |
| • Quick Connect Coupling Q60            | 76  |
| • Female Thread Union                   | 81  |
| – Female Thread Union                   |     |
| – Female Squared Thread Union           |     |
| – Panel Mount Female Thread Union       |     |
| • Female Threaded Tee                   | 82  |
| – Tee                                   |     |
| – Y- Tee                                |     |
| • Threaded Plug                         | 86  |
| – Standard Threaded Plug                |     |
| – Compact Threaded Plug                 |     |
| • Fitting Plug                          |     |
| • Barbed Plug                           |     |
| • Male Luer Plug                        |     |
| • Barbed Filter                         | 91  |
| • Recirculating Water Filter            | 91  |
| • Barbed Check Valve                    | 94  |
| • PVC Tubing                            | 96  |
| • TPU Tubing                            | 98  |
| • FEP Tubing                            | 99  |
| • PTFE Tubing                           | 100 |
| • PEEK Tubing                           | 101 |
| • PFA Tubing                            | 102 |
| • Installation Tools                    | 104 |
| • Snap Ring Pliers                      | 105 |
| • Tube Cutters                          | 105 |
| • Chemical Compatibility Chart          | 106 |
| • Material Characteristics              | 108 |
| • Material Certification                | 109 |
| • Thread Size e Comparison Table        | 110 |
| • Tubing Diameter Size Comparison Table | 111 |



## Rigid Tubing Fittings

This series offers externally threaded fittings designed for high-integrity connections. Utilizing reliable seals formed by snap rings, ferrules, and gaskets, they accommodate rigid tubing in various polymer materials including PTFE, FEP, and PFA.

**Flange Fittings:** Require tube ends to be processed via a flanging operation. A dedicated sealing gasket is captured between the tube flange and fitting body. Sealing occurs at the fitting's face, ensuring wetted surfaces during fluid transfer consist solely of the tubing material.

**Ferrule Fittings:** Feature a tapered cone design, eliminating the need for tube flanging. Assembly involves sliding the threaded fitting body and ferrule assembly onto the tube and tightening. Offers tool-free installation, combining economy and durability. Requires matching dedicated ferrules.

**Snap Ring Fittings:** Consist of a face seal fitting body, a snap ring washer, and a snap ring housing, requiring specialized installation tools. Tube flanging is not required; an interference fit achieves a stress-locking seal between the tube and fitting.

**High-Pressure Fittings:** Constructed from PEEK or stainless steel with a hand-tightening, single-piece design. Specifically engineered for High-Pressure Liquid Chromatography (HPLC) and Ultra-High-Pressure Liquid Chromatography (UHPLC) systems to withstand extreme pressure conditions.

06

Flange Fittings

Includes Standard Flange Fittings and Compact Flange Fittings with Gaskets

14

Ferrule Fittings

Includes Standard Ferrule Fittings and Compact Ferrule Fittings

21

Snap Ring Fittings

Includes Snap Ring Fittings and Snap Ring Two-Piece Sets

24

High-Pressure Fittings

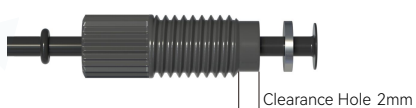
Includes: Standard High-Pressure Fittings, Ferrule-Style High-Pressure Fittings & Female Threaded High-Pressure Fittings: Straight (2-Way) and Tee (3-Way)

# Flange Fittings



## ⚠ Precautions

1. Torque: 0.25–0.3 N·m
2. Ferrule orientation must face toward the compression fitting body
3. Flange flaring shall be performed with calibrated flaring tools



## 💡 Assembly Tips

1. Locking Torque: 2–3 in-lbs / 0.25–0.3 N.m (±0.05).
2. Due to the plastic material of the flared flange:  
Over-torquing may cause plastic deformation  
Required: Use calibrated torque tools for precision control to ensure service life.

## 💡 Related Products

1. Use with torque screwdrivers for precision torque adjustment, enabling controlled fitting assembly/disassembly.



| Item Code | Compatible Bit       |
|-----------|----------------------|
| 956002    | All torque bit heads |



| Item Code | Compatible Fitting Series    |
|-----------|------------------------------|
| 809739    | HF/Standard Flanged Fittings |

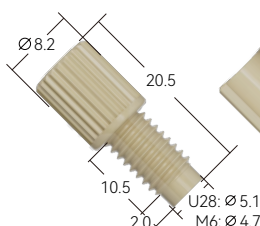


| Item Code | Compatible Fitting Series     |
|-----------|-------------------------------|
| 959006    | HFL/Standard Flanged Fittings |



- Utilizes a classic face seal design where tube ends undergo precision flaring to form a bell-shaped profile. Threaded engagement compresses the flared tube end against the mating surface, creating a metal-to-metal seal in rigid tube connections;
- Reusable assembly with tool-free installation;
- Freely rotatable threads prevent tube torsion during tightening, eliminating torsion-induced leakage;
- Compatible tube IDs: 1.6, 2.0, 2.5, 3.0, 3.2 mm;
- Optional gaskets in: SUS, PEEK, PTFE;
- Colors: Black, Natural, Blue;
- Fittings in: PVDF, PPS, PEEK;
- Port Threads: 1/4"-28 UNF, M6×1 Material-dependent;
- Compliance documentation available for: REACH, RoHS, MSDS.

## HF/Standard Flanged Fittings



Unit: mm



PEEK



PVDF



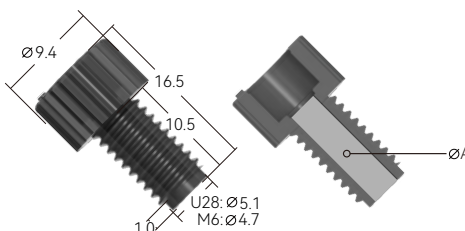
PPS

### • HF/Standard Flanged Fittings

Compatible with 1.6 – 3.2 mm Tube OD  
1/4-28 UNF & M6×1 threads

| Model   | HF-M6(U28)-20 | HF-M6(U28)-25 | HF-M6(U28)-32 |
|---------|---------------|---------------|---------------|
| Tube OD | 1.6~2.0       | 2.5           | 3.0~3.2       |
| A       | 2.2           | 2.7           | 3.4           |

## HFL/Standard Flanged Fittings



Unit: mm



PVDF



PVDF

### • HFL/Standard Flanged Fittings

Compatible with 1.6 – 3.2 mm Tube OD  
1/4-28 UNF & M6×1 threads

| Model   | HFL-M6(U28)-16 | HFL-M6(U28)-20 | HFL-M6(U28)-25 | HFL-M6(U28)-30 |
|---------|----------------|----------------|----------------|----------------|
| Tube OD | 1.6            | 2.0            | 2.5            | 3.0            |
| A       | 1.6            | 2.0            | 2.5            | 3.0            |

| Model   | HFL-M6(U28)-32 |
|---------|----------------|
| Tube OD | 3.2            |
| A       | 3.2            |



## Gasket Installation Guidelines



SUS



PEEK



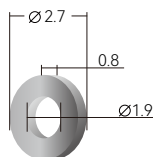
PTFE

### 1. SUS gaskets:

ID ≤ 3.0 mm: thickness = 0.8 mm  
ID > 3.0 mm: thickness = 0.9 mm  
Other materials: uniform thickness = 0.9 mm

### 2. WS-27 Series gaskets: exclusively SUS material.

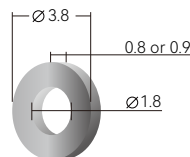
## WS/Gasket



Unit: mm

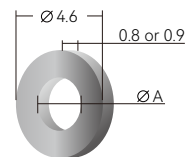
### • WS-27

OD: 2.7mm  
ID: 1.9mm  
Compatible with 6-40UNF threads



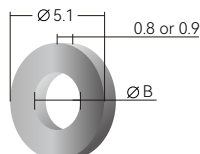
### • WS-38

OD: 3.8mm  
ID: 1.8mm  
Compatible with 10-32UNF threads



### • WS-46

OD: 4.6mm  
ID: 1.8-3.3mm  
Compatible with M6x1 threads



### • WS-51

OD: 5.1mm  
ID: 1.8-3.3mm  
Compatible with 1/4-28UNF threads



SUS



PEEK



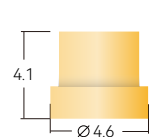
PTFE

| Model              | WS-27-19    |
|--------------------|-------------|
| Tube OD            | 1.6         |
| Compatible fitting | HFL6-U40-16 |

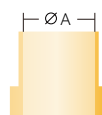
| Model       | WS-46-18   | WS-46-21   | WS-46-26   | WS-46-33       |
|-------------|------------|------------|------------|----------------|
| Tube OD     | 1.6        | 2.0        | 2.5        | 3.0/3.2        |
| A           | 1.8        | 2.1        | 2.6        | 3.3            |
| HF Series   | HF-M6-16   | HF-M6-20   | HF-M6-25   | HF-M6-30(32)   |
| HFL Series  | HFL-M6-16  | HFL-M6-20  | HFL-M6-25  | HFL-M6-30(32)  |
| HF6 Series  | HF6-M6-16  | HF6-M6-20  | HF6-M6-25  | HF6-M6-30(32)  |
| HFL6 Series | HFL6-M6-16 | HFL6-M6-20 | HFL6-M6-25 | HFL6-M6-30(32) |

| Model       | WS-51-18    | WS-51-21    | WS-51-26    | WS-51-33        |
|-------------|-------------|-------------|-------------|-----------------|
| Tube OD     | 1.6         | 2.0         | 2.5         | 3.0/3.2         |
| B           | 1.8         | 2.1         | 2.6         | 3.3             |
| HF Series   | HF-U28-16   | HF-U28-20   | HF-U28-25   | HF-U28-30(32)   |
| HFL Series  | HFL-U28-16  | HFL-U28-20  | HFL-U28-25  | HFL-U28-30(32)  |
| HF6 Series  | HF6-U28-16  | HF6-U28-20  | HF6-U28-25  | HF6-U28-30(32)  |
| HFL6 Series | HFL6-U28-16 | HFL6-U28-20 | HFL6-U28-25 | HFL6-U28-30(32) |

## WSS/Flange Gasket



Unit: mm



PEEK

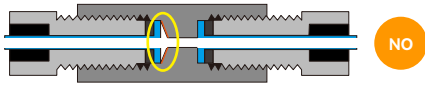
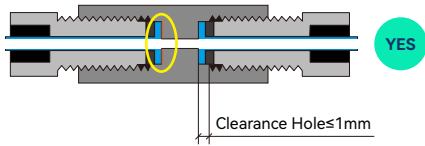
### • WSS/Flange Gasket

Compatible with 1.6 - 3.2 mm Tube OD

| Model              | WSS-16          | WSS-20          | WSS-25 | WSS-30 | WSS-32 |
|--------------------|-----------------|-----------------|--------|--------|--------|
| Tube OD            | 1.6             | 2.0             | 2.5    | 3.0    | 3.2    |
| A                  | 1.6             | 2.0             | 2.5    | 3.0    | 3.2    |
| Compatible fitting | HSF6-M6(U28)-16 | HSF6-M6(U28)-32 |        |        |        |

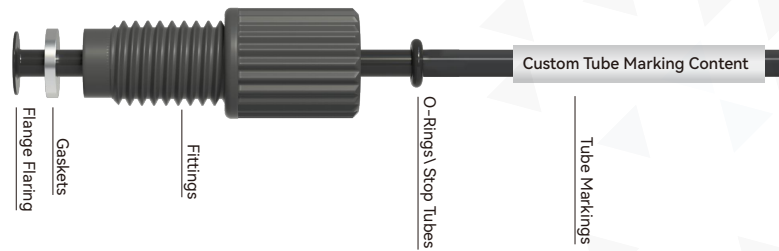
## Machining Requirements

1. Thread Relief Groove Depth  $\leq 1\text{mm}$ ;
2. Thread Pilot Hole Must Have: Non-tapered Flat Bottom &  $90^\circ \pm 0.5^\circ$  Shoulder Angle. Prevent Full Thread Engagement will cause Fluid Leakage Under Pressure.



Notice: Tapered pilot holes will cause:  
 Seal failure (prevent full thread engagement per ASME B1.1 §6)  
 Fluid leakage ( $\Delta P > 3$  bar at  $20^\circ\text{C}$  per ISO 5208)  
 Residual fluid retention (dead volume  $> 0.1 \mu\text{L}/\text{mm}$ ).

## Custom Flanged Tube Assemblies



### Flange Flaring

Single or dual flange flaring configurations can be customized, with rigid tubing available in FEP or PTFE materials, custom lengths, and standardized outer diameters of 1.6, 2.0, 2.5, 3.0, or 3.2 mm.

### Gaskets

Structural safety and stability are enhanced through optional gasket materials including SUS, PEEK, and PTFE.

### Fittings

Flat - bottom fittings protect hard tubes from excessive bending at the joint.  
 Thread options for fittings: M6x1, 1/4-28UNF, 6-40UNF.

### O-Rings/Stop Tubes

Locking fittings prevent sliding.

### Tube Markings

(Heat - shrink material) Custom - printed labels or logos available for easy flow path identification.

## HF/Standard Flanged Fittings

| HF - U28 - 20 - PS - N                                                            |                |                            |                                          |                               |                      |            |
|-----------------------------------------------------------------------------------|----------------|----------------------------|------------------------------------------|-------------------------------|----------------------|------------|
| Standard Flanged Fittings                                                         |                | Thread                     | Tube OD                                  | Material                      | Color                |            |
|  |                | M6 -M6x1<br>U28 -1/4-28UNF | 20-1.6~2.0mm<br>25-2.5mm<br>32-3.0~3.2mm | PS -PPS<br>PK-PEEK<br>PV-PVDF | B-Black<br>N-Natural |            |
| Item Code                                                                         | Model          | Thread                     | Tube OD                                  | Material                      | Color                | Packaging  |
| 809717                                                                            | HF-M6-20-PK-N  | M6                         | 1.6、2.0mm                                | PEEK                          | Natural              | 100pcs/pkg |
| 809747                                                                            | HF-M6-20-PS-B  | M6                         | 1.6、2.0mm                                | PPS                           | Natural              | 100pcs/pkg |
| 809746                                                                            | HF-M6-20-PV-N  | M6                         | 1.6、2.0mm                                | PVDF                          | Natural              | 100pcs/pkg |
| 809718                                                                            | HF-M6-25-PK-N  | M6                         | 2.5mm                                    | PEEK                          | Black                | 100pcs/pkg |
| 809749                                                                            | HF-M6-25-PS-B  | M6                         | 2.5mm                                    | PPS                           | Black                | 100pcs/pkg |
| 809748                                                                            | HF-M6-25-PV-N  | M6                         | 2.5mm                                    | PVDF                          | Black                | 100pcs/pkg |
| 809719                                                                            | HF-M6-32-PK-N  | M6                         | 3.0、3.2mm                                | PEEK                          | Natural              | 100pcs/pkg |
| 809751                                                                            | HF-M6-32-PS-B  | M6                         | 3.0、3.2mm                                | PPS                           | Natural              | 100pcs/pkg |
| 809750                                                                            | HF-M6-32-PV-N  | M6                         | 3.0、3.2mm                                | PVDF                          | Natural              | 100pcs/pkg |
| 809714                                                                            | HF-U28-20-PK-N | 1/4-28UNF                  | 1.6、2.0mm                                | PEEK                          | Natural              | 100pcs/pkg |
| 809741                                                                            | HF-U28-20-PS-B | 1/4-28UNF                  | 1.6、2.0mm                                | PPS                           | Natural              | 100pcs/pkg |
| 809740                                                                            | HF-U28-20-PV-N | 1/4-28UNF                  | 1.6、2.0mm                                | PVDF                          | Natural              | 100pcs/pkg |
| 809715                                                                            | HF-U28-25-PK-N | 1/4-28UNF                  | 2.5mm                                    | PEEK                          | Black                | 100pcs/pkg |
| 809743                                                                            | HF-U28-25-PS-B | 1/4-28UNF                  | 2.5mm                                    | PPS                           | Black                | 100pcs/pkg |
| 809742                                                                            | HF-U28-25-PV-N | 1/4-28UNF                  | 2.5mm                                    | PVDF                          | Black                | 100pcs/pkg |
| 809716                                                                            | HF-U28-32-PK-N | 1/4-28UNF                  | 3.0、3.2mm                                | PEEK                          | Natural              | 100pcs/pkg |
| 809745                                                                            | HF-U28-32-PS-B | 1/4-28UNF                  | 3.0、3.2mm                                | PPS                           | Natural              | 100pcs/pkg |
| 809744                                                                            | HF-U28-32-PV-N | 1/4-28UNF                  | 3.0、3.2mm                                | PVDF                          | Natural              | 100pcs/pkg |

## HFL/Standard Flanged Fittings

| HFL - U28 - 16 - PV - N                                                             |                 |                            |                                                          |          |                      |            |
|-------------------------------------------------------------------------------------|-----------------|----------------------------|----------------------------------------------------------|----------|----------------------|------------|
| Standard Flanged Fittings                                                           |                 | Thread                     | Tube OD                                                  | Material | Color                |            |
|  |                 | M6 -M6x1<br>U28 -1/4-28UNF | 16-1.6mm<br>20-2.0mm<br>25-2.5mm<br>30-3.0mm<br>32-3.2mm | PV-PVDF  | B-Black<br>N-Natural |            |
| Item Code                                                                           | Model           | Thread                     | Tube OD                                                  | Material | Color                | Packaging  |
| 809032                                                                              | HFL-M6-16-PV-N  | M6                         | 1.6mm                                                    | PVDF     | Natural              | 100pcs/pkg |
| 809421                                                                              | HFL-M6-16-PV-B  | M6                         | 1.6mm                                                    | PVDF     | Black                | 100pcs/pkg |
| 809043                                                                              | HFL-M6-20-PV-N  | M6                         | 2.0mm                                                    | PVDF     | Natural              | 100pcs/pkg |
| 809044                                                                              | HFL-M6-20-PV-B  | M6                         | 2.0mm                                                    | PVDF     | Black                | 100pcs/pkg |
| 809422                                                                              | HFL-M6-25-PV-B  | M6                         | 2.5mm                                                    | PVDF     | Black                | 100pcs/pkg |
| 809054                                                                              | HFL-M6-25-PV-N  | M6                         | 2.5mm                                                    | PVDF     | Natural              | 100pcs/pkg |
| 809048                                                                              | HFL-M6-30-PV-N  | M6                         | 3.0mm                                                    | PVDF     | Natural              | 100pcs/pkg |
| 809049                                                                              | HFL-M6-30-PV-B  | M6                         | 3.0mm                                                    | PVDF     | Black                | 100pcs/pkg |
| 809037                                                                              | HFL-M6-32-PV-N  | M6                         | 3.2mm                                                    | PVDF     | Natural              | 100pcs/pkg |
| 809423                                                                              | HFL-M6-32-PV-B  | M6                         | 3.2mm                                                    | PVDF     | Black                | 100pcs/pkg |
| 809030                                                                              | HFL-U28-16-PV-N | 1/4-28UNF                  | 1.6mm                                                    | PVDF     | Natural              | 100pcs/pkg |
| 809391                                                                              | HFL-U28-16-PV-B | 1/4-28UNF                  | 1.6mm                                                    | PVDF     | Black                | 100pcs/pkg |
| 809041                                                                              | HFL-U28-20-PV-B | 1/4-28UNF                  | 2.0mm                                                    | PVDF     | Black                | 100pcs/pkg |

| HFL                                                                               | - U28                      | - 16                                                     | - PV     | - N                  |
|-----------------------------------------------------------------------------------|----------------------------|----------------------------------------------------------|----------|----------------------|
| Standard Flanged Fittings                                                         | Thread                     | Tube OD                                                  | Material | Color                |
|  | M6 -M6x1<br>U28 -1/4-28UNF | 16-1.6mm<br>20-2.0mm<br>25-2.5mm<br>30-3.0mm<br>32-3.2mm | PV-PVDF  | B-Black<br>N-Natural |

| Item Code | Model           | Thread    | Tube OD | Material | Color   | Packaging  |
|-----------|-----------------|-----------|---------|----------|---------|------------|
| 809040    | HFL-U28-20-PV-N | 1/4-28UNF | 2.0mm   | PVDF     | Natural | 100pcs/pkg |
| 809052    | HFL-U28-25-PV-N | 1/4-28UNF | 2.5mm   | PVDF     | Natural | 100pcs/pkg |
| 809392    | HFL-U28-25-PV-B | 1/4-28UNF | 2.5mm   | PVDF     | Black   | 100pcs/pkg |
| 809047    | HFL-U28-30-PV-N | 1/4-28UNF | 3.0mm   | PVDF     | Natural | 100pcs/pkg |
| 809394    | HFL-U28-30-PV-B | 1/4-28UNF | 3.0mm   | PVDF     | Black   | 100pcs/pkg |
| 809393    | HFL-U28-32-PV-B | 1/4-28UNF | 3.2mm   | PVDF     | Black   | 100pcs/pkg |
| 809035    | HFL-U28-32-PV-N | 1/4-28UNF | 3.2mm   | PVDF     | Natural | 100pcs/pkg |

## HF6/Compact Flanged Fittings

| HF6                                                                                | - U28                      | - 20                                     | - PS                         | - N                  |
|------------------------------------------------------------------------------------|----------------------------|------------------------------------------|------------------------------|----------------------|
| Compact Flanged Fittings                                                           | Thread                     | Tube OD                                  | Material                     | Color                |
|  | M6 -M6x1<br>U28 -1/4-28UNF | 20-1.6~2.0mm<br>25-2.5mm<br>32-3.0~3.2mm | PS-PPS<br>PK-PEEK<br>PV-PVDF | B-Black<br>N-Natural |

| Item Code | Model           | Thread    | Tube OD    | Material | Color   | Packaging  |
|-----------|-----------------|-----------|------------|----------|---------|------------|
| 809723    | HF6-M6-20-PK-N  | M6        | 1.6, 2.0mm | PEEK     | Natural | 100pcs/pkg |
| 809759    | HF6-M6-20-PS-B  | M6        | 1.6, 2.0mm | PPS      | Black   | 100pcs/pkg |
| 809758    | HF6-M6-20-PV-N  | M6        | 1.6, 2.0mm | PVDF     | Natural | 100pcs/pkg |
| 809724    | HF6-M6-25-PK-N  | M6        | 2.5mm      | PEEK     | Natural | 100pcs/pkg |
| 809761    | HF6-M6-25-PS-B  | M6        | 2.5mm      | PPS      | Black   | 100pcs/pkg |
| 809760    | HF6-M6-25-PV-N  | M6        | 2.5mm      | PVDF     | Natural | 100pcs/pkg |
| 809725    | HF6-M6-32-PK-N  | M6        | 3.0, 3.2mm | PEEK     | Natural | 100pcs/pkg |
| 809763    | HF6-M6-32-PS-B  | M6        | 3.0, 3.2mm | PPS      | Black   | 100pcs/pkg |
| 809762    | HF6-M6-32-PV-N  | M6        | 3.0, 3.2mm | PVDF     | Natural | 100pcs/pkg |
| 809720    | HF6-U28-20-PK-N | 1/4-28UNF | 1.6, 2.0mm | PEEK     | Black   | 100pcs/pkg |
| 809753    | HF6-U28-20-PS-B | 1/4-28UNF | 1.6, 2.0mm | PPS      | Black   | 100pcs/pkg |
| 809752    | HF6-U28-20-PV-N | 1/4-28UNF | 1.6, 2.0mm | PVDF     | Natural | 100pcs/pkg |
| 809721    | HF6-U28-25-PK-N | 1/4-28UNF | 2.5mm      | PEEK     | Natural | 100pcs/pkg |
| 809755    | HF6-U28-25-PS-B | 1/4-28UNF | 2.5mm      | PPS      | Black   | 100pcs/pkg |
| 809754    | HF6-U28-25-PV-N | 1/4-28UNF | 2.5mm      | PVDF     | Natural | 100pcs/pkg |
| 809722    | HF6-U28-32-PK-N | 1/4-28UNF | 3.0, 3.2mm | PEEK     | Natural | 100pcs/pkg |
| 809757    | HF6-U28-32-PS-B | 1/4-28UNF | 3.0, 3.2mm | PPS      | Black   | 100pcs/pkg |
| 809756    | HF6-U28-32-PV-N | 1/4-28UNF | 3.0, 3.2mm | PVDF     | Natural | 100pcs/pkg |

## HFL6/Compact Flanged Fittings

| HFL6                                                                                                          | - U28                                | - 16                                                                | - PS                          | - N                                     |
|---------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------|-------------------------------|-----------------------------------------|
| Compact Flanged Fittings<br> | Thread<br>M6 -M6x1<br>U28 -1/4-28UNF | Tube OD<br>16-1.6mm<br>20-2.0mm<br>25-2.5mm<br>30-3.0mm<br>32-3.2mm | Material<br>PS-PPS<br>PK-PEEK | Color<br>B-Black<br>N-Natural<br>U-Blue |

| Item Code | Model            | Thread    | Tube OD | Material | Color   | Packaging  |
|-----------|------------------|-----------|---------|----------|---------|------------|
| 809058    | HFL6-M6-16-PS-B  | M6        | 1.6mm   | PPS      | Black   | 100pcs/pkg |
| 809078    | HFL6-M6-20-PS-B  | M6        | 2.0mm   | PPS      | Black   | 100pcs/pkg |
| 809549    | HFL6-M6-25-PS-U  | M6        | 2.5mm   | PPS      | Blue    | 100pcs/pkg |
| 809098    | HFL6-M6-25-PS-B  | M6        | 2.5mm   | PPS      | Black   | 100pcs/pkg |
| 809088    | HFL6-M6-30-PS-B  | M6        | 3.0mm   | PPS      | Black   | 100pcs/pkg |
| 809068    | HFL6-M6-32-PS-B  | M6        | 3.2mm   | PPS      | Black   | 100pcs/pkg |
| 809550    | HFL6-U28-16-PS-U | 1/4-28UNF | 1.6mm   | PPS      | Blue    | 100pcs/pkg |
| 809057    | HFL6-U28-16-PS-B | 1/4-28UNF | 1.6mm   | PPS      | Black   | 100pcs/pkg |
| 809551    | HFL6-U28-20-PS-U | 1/4-28UNF | 2.0mm   | PPS      | Blue    | 100pcs/pkg |
| 809077    | HFL6-U28-20-PS-B | 1/4-28UNF | 2.0mm   | PPS      | Black   | 100pcs/pkg |
| 809097    | HFL6-U28-25-PS-B | 1/4-28UNF | 2.5mm   | PPS      | Black   | 100pcs/pkg |
| 809087    | HFL6-U28-30-PS-B | 1/4-28UNF | 3.0mm   | PPS      | Black   | 100pcs/pkg |
| 809067    | HFL6-U28-32-PS-B | 1/4-28UNF | 3.2mm   | PPS      | Black   | 100pcs/pkg |
| 809849    | HFL6-U28-32-PS-B | 1/4-28UNF | 3.2mm   | PPS      | Black   | 100pcs/pkg |
| 809841    | HFL6-U40-16-PK-N | 6-40UNF   | 1.6mm   | PEEK     | Natural | 100pcs/pkg |

## WS/Gasket

| WS                                                                                            | - 51                                   | - 18                                               | - 09                              | - SS                                     | - N                |
|-----------------------------------------------------------------------------------------------|----------------------------------------|----------------------------------------------------|-----------------------------------|------------------------------------------|--------------------|
| Gasket<br> | OD<br>38-3.8mm<br>46-4.6mm<br>51-5.1mm | ID<br>18-1.8mm<br>21-2.1mm<br>26-2.6mm<br>33-3.3mm | Thickness<br>08-0.8mm<br>09-0.9mm | Material<br>PK-PEEK<br>PT-PTFE<br>SS-SUS | Color<br>N-Natural |

| Item Code | Model            | OD    | ID    | Thickness | Material | Color   | Packaging  |
|-----------|------------------|-------|-------|-----------|----------|---------|------------|
| 809211    | WS-38-18-08-SS-N | 3.8mm | 1.8mm | 0.8mm     | SUS      | Natural | 100pcs/pkg |
| 809213    | WS-38-18-09-PK-N | 3.8mm | 1.8mm | 0.9mm     | PEEK     | Natural | 100pcs/pkg |
| 809212    | WS-38-18-09-PT-N | 3.8mm | 1.8mm | 0.9mm     | PTFE     | Natural | 100pcs/pkg |
| 809215    | WS-46-18-08-SS-N | 4.6mm | 1.8mm | 0.8mm     | SUS      | Natural | 100pcs/pkg |
| 809216    | WS-46-18-09-PK-N | 4.6mm | 1.8mm | 0.9mm     | PEEK     | Natural | 100pcs/pkg |
| 809217    | WS-46-18-09-PT-N | 4.6mm | 1.8mm | 0.9mm     | PTFE     | Natural | 100pcs/pkg |
| 809221    | WS-46-21-08-SS-N | 4.6mm | 2.1mm | 0.8mm     | SUS      | Natural | 100pcs/pkg |
| 809222    | WS-46-21-09-PK-N | 4.6mm | 2.1mm | 0.9mm     | PEEK     | Natural | 100pcs/pkg |
| 809223    | WS-46-21-09-PT-N | 4.6mm | 2.1mm | 0.9mm     | PTFE     | Natural | 100pcs/pkg |
| 809226    | WS-46-26-08-SS-N | 4.6mm | 2.6mm | 0.8mm     | SUS      | Natural | 100pcs/pkg |
| 809227    | WS-46-26-09-PK-N | 4.6mm | 2.6mm | 0.9mm     | PEEK     | Natural | 100pcs/pkg |
| 809228    | WS-46-26-09-PT-N | 4.6mm | 2.6mm | 0.9mm     | PTFE     | Natural | 100pcs/pkg |
| 809230    | WS-46-33-09-PK-N | 4.6mm | 3.3mm | 0.9mm     | PEEK     | Natural | 100pcs/pkg |
| 809229    | WS-46-33-09-SS-N | 4.6mm | 3.3mm | 0.9mm     | SUS      | Natural | 100pcs/pkg |

| WS                                                                                | - 51                             | - 18                                         | - 09                 | - SS                         | - N       |
|-----------------------------------------------------------------------------------|----------------------------------|----------------------------------------------|----------------------|------------------------------|-----------|
| Gasket                                                                            | OD                               | ID                                           | Thickness            | Material                     | Color     |
|  | 38-3.8mm<br>46-4.6mm<br>51-5.1mm | 18-1.8mm<br>21-2.1mm<br>26-2.6mm<br>33-3.3mm | 08-0.8mm<br>09-0.9mm | PK-PEEK<br>PT-PTFE<br>SS-SUS | N-Natural |

| Item Code | Model            | OD    | ID    | Thickness | Material | Color   | Packaging  |
|-----------|------------------|-------|-------|-----------|----------|---------|------------|
| 809233    | WS-51-18-08-SS-N | 5.1mm | 1.8mm | 0.8mm     | SUS      | Natural | 100pcs/pkg |
| 809234    | WS-51-18-09-PK-N | 5.1mm | 1.8mm | 0.9mm     | PEEK     | Natural | 100pcs/pkg |
| 809235    | WS-51-18-09-PT-N | 5.1mm | 1.8mm | 0.9mm     | PTFE     | Natural | 100pcs/pkg |
| 809239    | WS-51-21-08-SS-N | 5.1mm | 2.1mm | 0.8mm     | SUS      | Natural | 100pcs/pkg |
| 809240    | WS-51-21-09-PK-N | 5.1mm | 2.1mm | 0.9mm     | PEEK     | Natural | 100pcs/pkg |
| 809241    | WS-51-21-09-PT-N | 5.1mm | 2.1mm | 0.9mm     | PTFE     | Natural | 100pcs/pkg |
| 809244    | WS-51-26-08-SS-N | 5.1mm | 2.6mm | 0.8mm     | SUS      | Natural | 100pcs/pkg |
| 809245    | WS-51-26-09-PK-N | 5.1mm | 2.6mm | 0.9mm     | PEEK     | Natural | 100pcs/pkg |
| 809246    | WS-51-26-09-PT-N | 5.1mm | 2.6mm | 0.9mm     | PTFE     | Natural | 100pcs/pkg |
| 809248    | WS-51-33-09-PK-N | 5.1mm | 3.3mm | 0.9mm     | PEEK     | Natural | 100pcs/pkg |
| 809249    | WS-51-33-09-PT-N | 5.1mm | 3.3mm | 0.9mm     | PTFE     | Natural | 100pcs/pkg |
| 809247    | WS-51-33-09-SS-N | 5.1mm | 3.3mm | 0.9mm     | SUS      | Natural | 100pcs/pkg |

## WSS/Flange Gasket

| WSS                                                                                 | - 16                                             | - PK              | - N       |
|-------------------------------------------------------------------------------------|--------------------------------------------------|-------------------|-----------|
| Flange Gasket                                                                       | Tube OD                                          | Material          | Color     |
|  | 16-1.6mm<br>20-2.0mm<br>25-2.5mm<br>32-3.0~3.2mm | PK-PEEK<br>SS-SUS | N-Natural |

| Item Code | Model       | Tube OD   | Material | Color   | Packaging  |
|-----------|-------------|-----------|----------|---------|------------|
| 809806    | WSS-16-PK-N | 1.6mm     | PEEK     | Natural | 100pcs/pkg |
| 809810    | WSS-16-SS-N | 1.6mm     | SUS      | Natural | 100pcs/pkg |
| 809807    | WSS-20-PK-N | 2.0mm     | PEEK     | Natural | 100pcs/pkg |
| 809811    | WSS-20-SS-N | 2.0mm     | SUS      | Natural | 100pcs/pkg |
| 809808    | WSS-25-PK-N | 2.5mm     | PEEK     | Natural | 100pcs/pkg |
| 809812    | WSS-25-SS-N | 2.5mm     | SUS      | Natural | 100pcs/pkg |
| 809809    | WSS-32-PK-N | 3.0、3.2mm | PEEK     | Natural | 100pcs/pkg |
| 809813    | WSS-32-SS-N | 3.0、3.2mm | SUS      | Natural | 100pcs/pkg |

# Ferrule Fittings

- Usability is excellent: Slide the nut and ferrule assembly onto the tubing, hand-tighten onto the port to complete assembly. Replacement takes seconds, significantly improving efficiency over traditional flanged fittings with minimal maintenance cost;
- For 1.6, 2.0, 2.5, 3.0, 3.2 mm tube fittings used with ferrules. Ferrules come in PP and ETFE materials;
- Materials include PPS, PEEK, POM;
- Colors available: black, natural, and blue;
- Compatible with 1/4-28UNF and M6x1 face seal ports;
- REACH, RoHS, and MSDS reports are available.

## HN/Standard Ferrule Fittings

### ⓘ Precautions

1. Use ferrules matching the tubing material.
2. Note the installation direction of ferrules and fittings.



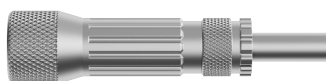
\* Typical configuration diagram of ferrule fittings

### 💡 Assembly Tips

1. Torque: 3-4 in-lbs / 0.25-0.3 N.m (±0.05).
2. Use professional tube cutting tools to cut tube ends flat.
3. Place the ferrule on the rigid tube, ensuring alignment with the tube's flanged end.
4. During installation, pay attention to tightening torque to avoid plastic deformation of the ferrule due to excessive torque, which will reduce the sealing performance of the fitting.

### 💡 Related Products

1. Use with torque screwdrivers for precision torque adjustment, enabling controlled fitting assembly/disassembly



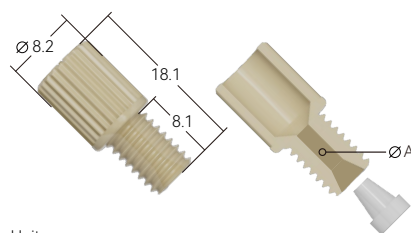
| Item Code | Compatible Bit       |
|-----------|----------------------|
| 956002    | All torque bit heads |



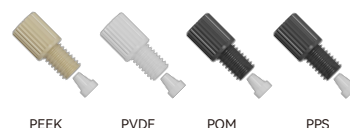
| Item Code | Compatible Fitting Series    |
|-----------|------------------------------|
| 809739    | HN/Standard Ferrule Fittings |



| Item Code | Compatible Fitting Series    |
|-----------|------------------------------|
| 809738    | HN6/Compact Ferrule Fittings |



Unit: mm

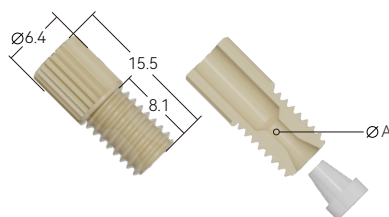


### • HN/Standard Ferrule Fittings

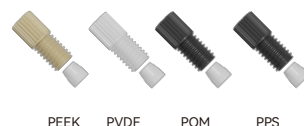
Compatible with 1.6 - 3.2 mm Tube OD  
1/4-28 UNF & M6x1 threads

| Model         | HN-M6(U28)-16 | HN-M6(U28)-32 |          |          |          |
|---------------|---------------|---------------|----------|----------|----------|
| Tube OD       | 1.6           | 2.0           | 2.5      | 3.0      | 3.2      |
| A             | 1.7           | 3.3           |          |          |          |
| Ferrule-Style | CL-0X-16      | CL-0X-20      | CL-0X-25 | CL-0X-30 | CL-0X-32 |

## HN6/Compact Ferrule Fittings



Unit: mm

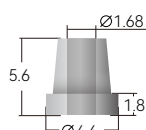


### • HN6/Compact Ferrule Fittings

Compatible with 1.6 - 3.2 mm Tube OD  
1/4-28 UNF & M6x1 threads

| Model         | HN6-M6(U28)-16 | HN6-M6(U28)-32 |          |          |          |
|---------------|----------------|----------------|----------|----------|----------|
| Tube OD       | 1.6            | 2.0            | 2.5      | 3.0      | 3.2      |
| A             | 1.7            | 3.3            |          |          |          |
| Ferrule-Style | CL-0X-16       | CL-0X-20       | CL-0X-25 | CL-0X-30 | CL-0X-32 |

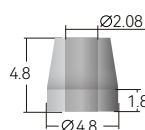
## CL-0X/Ferrule



Unit: mm

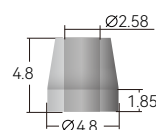
### • CL-0X-16

Compatible with 1.6mm Tube OD



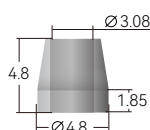
### • CL-0X-20

Compatible with 2.0mm Tube OD



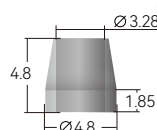
### • CL-0X-25

Compatible with 2.5mm Tube OD



• **CL-0X-30**

Compatible with 3.0mm Tube OD



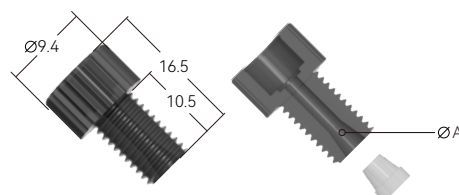
• **CL-0X-32**

Compatible with 3.2mm Tube OD

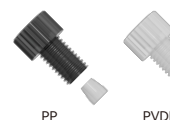


| Model               | CL-0X-16       | CL-0X-20       | CL-0X-25 | CL-0X-30 | CL-0X-32 |
|---------------------|----------------|----------------|----------|----------|----------|
| Tube OD             | 1.6            | 2.0            | 2.5      | 3.0      | 3.2      |
| Compatible with HN  | HN-M6(U28)-16  | HN-M6(U28)-32  |          |          |          |
| Compatible with HN6 | HN6-M6(U28)-16 | HN6-M6(U28)-32 |          |          |          |

## HNF/Standard Ferrule Fittings



Unit: mm



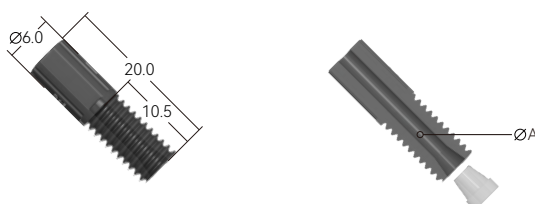
• **HNF/Standard Ferrule Fittings**

Compatible with 1.6 - 3.2 mm Tube OD  
1/4-28 UNF & M6×1 threads

| Model         | HN6-M6(U28)-16 | HN6-M6(U28)-20 | HN6-M6(U28)-25 | HN6-M6(U28)-30 |
|---------------|----------------|----------------|----------------|----------------|
| Tube OD       | 1.6            | 2.0            | 2.5            | 3.0            |
| A             | 1.6            | 2.0            | 2.5            | 3.0            |
| Ferrule-Style | CL-0-16        | CL-0-20        | CL-0-25        | CL-0-30        |

| Model         | HN6-M6(U28)-32 |
|---------------|----------------|
| Tube OD       | 3.2            |
| A             | 3.2            |
| Ferrule-Style | CL-0-32        |

## HN6/Compact Ferrule Fittings



Unit: mm

PPS

• **HN6/Compact Ferrule Fittings**

Compatible with 1.6 - 3.2 mm Tube OD  
1/4-28 UNF & M6×1 threads

| Model         | HN6-M6(U28)-16 | HN6-M6(U28)-20 | HN6-M6(U28)-25 | HN6-M6(U28)-30 |
|---------------|----------------|----------------|----------------|----------------|
| Tube OD       | 1.6            | 2.0            | 2.5            | 3.0            |
| A             | 1.6            | 2.0            | 2.5            | 3.0            |
| Ferrule-Style | CL-0-16        | CL-0-20        | CL-0-25        | CL-0-30        |

| Model         | HN6-M6(U28)-32 |
|---------------|----------------|
| Tube OD       | 3.2            |
| A             | 3.2            |
| Ferrule-Style | CL-0-32        |



| Item Code | Compatible Fitting Series     |
|-----------|-------------------------------|
| 959006    | HN6/Standard Ferrule Fittings |



| Item Code | Compatible Fitting Series    |
|-----------|------------------------------|
| 959019    | HN6/Compact Ferrule Fittings |

2. Use with electric screwdrivers for rapid fitting assembly/disassembly



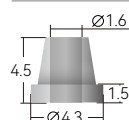
| Item Code | Compatible Fitting Series    |
|-----------|------------------------------|
| 959008    | HN6/Compact Ferrule Fittings |



| Item Code | Compatible Fitting Series     |
|-----------|-------------------------------|
| 959005    | HN6/Standard Ferrule Fittings |

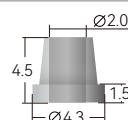
3. Refer to P104 for torque vs. electric screwdriver performance comparison

## CL-0/Ferrule



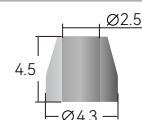
Unit: mm  
• **CL-0-16**

Compatible with 1.6mm Tube OD



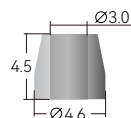
• **CL-0-20**

Compatible with 2.0mm Tube OD



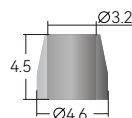
• **CL-0-25**

Compatible with 2.5mm Tube OD



• **CL-0-30**

Compatible with 3.0mm Tube OD



• **CL-0-32**

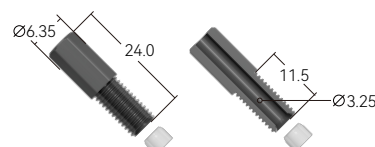
Compatible with 3.2mm Tube OD



| Model      | CL-0X-16        | CL-0X-20        | CL-0X-25        | CL-0X-30        |
|------------|-----------------|-----------------|-----------------|-----------------|
| Tube OD    | 1.6             | 2.0             | 2.5             | 3.0             |
| HNF Series | HNF-M6(U28)-16  | HNF-M6(U28)-20  | HNF-M6(U28)-25  | HNF-M6(U28)-30  |
| NF6 Series | HNF6-M6(U28)-16 | HNF6-M6(U28)-20 | HNF6-M6(U28)-25 | HNF6-M6(U28)-30 |

| Model      | CL-0X-32        |
|------------|-----------------|
| Tube OD    | 3.2             |
| HNF Series | HNF-M6(U28)-32  |
| NF6 Series | HNF6-M6(U28)-32 |

## HNE6/Compact Hex Ferrule Fitting



Unit: mm

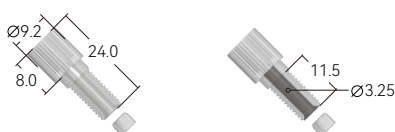
• **HNE6/Compact Hex Ferrule Fitting**

Compatible with 3.2 mm Tube OD  
1/4-28 UNF threads

| Model      | HNE6-U28-32 |
|------------|-------------|
| Tube OD    | 3.2         |
| HNF Series | CL-0E-32    |



## HNE/Long Standard Ferrule Fitting



Unit: mm

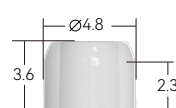
• **HNE/Long Standard Ferrule Fitting**

Compatible with 3.2 mm Tube OD  
1/4-28 UNF threads

| Model      | HNE-U28-32 |
|------------|------------|
| Tube OD    | 3.2        |
| HNF Series | CL-0E-32   |

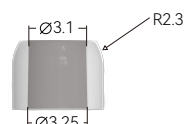


## CL-0E/Ferrule

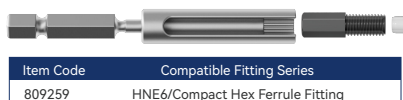


• **CL-0E-32**

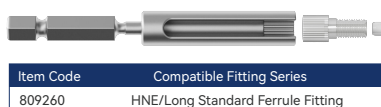
Compatible with 3.2 mm Tube OD



| Model       | CL-0E-32    |
|-------------|-------------|
| Tube OD     | 3.2         |
| HNE Series  | HNE-U28-32  |
| HNE6 Series | HNE6-U28-32 |



| Item Code | Compatible Fitting Series        |
|-----------|----------------------------------|
| 809259    | HNE6/Compact Hex Ferrule Fitting |



| Item Code | Compatible Fitting Series         |
|-----------|-----------------------------------|
| 809260    | HNE/Long Standard Ferrule Fitting |

## HN/Standard Ferrule Fittings

| HN                                                                                | - U28                      | - 16                       | - PV                                   | - N                  |
|-----------------------------------------------------------------------------------|----------------------------|----------------------------|----------------------------------------|----------------------|
| Standard Ferrule Fittings                                                         | Thread                     | Tube OD                    | Material                               | Color                |
|  | M6 -M6x1<br>U28 -1/4-28UNF | 16-1.6mm<br>32-2.0mm~3.2mm | PS-PPS<br>PK-PEEK<br>PV-PVDF<br>AC-POM | B-Black<br>N-Natural |

| Item Code | Model          | Thread    | Tube OD              | Material | Color   | Packaging  |
|-----------|----------------|-----------|----------------------|----------|---------|------------|
| 809795    | HN-M6-16-AC-B  | M6        | 1.6mm                | POM      | Black   | 100pcs/pkg |
| 809728    | HN-M6-16-PK-N  | M6        | 1.6mm                | PEEK     | Natural | 100pcs/pkg |
| 809769    | HN-M6-16-PS-B  | M6        | 1.6mm                | PPS      | Black   | 100pcs/pkg |
| 809768    | HN-M6-16-PV-N  | M6        | 1.6mm                | PVDF     | Natural | 100pcs/pkg |
| 809796    | HN-M6-32-AC-B  | M6        | 2.0, 2.5, 3.0, 3.2mm | POM      | Black   | 100pcs/pkg |
| 809729    | HN-M6-32-PK-N  | M6        | 2.0, 2.5, 3.0, 3.2mm | PEEK     | Natural | 100pcs/pkg |
| 809771    | HN-M6-32-PS-B  | M6        | 2.0, 2.5, 3.0, 3.2mm | PPS      | Black   | 100pcs/pkg |
| 809770    | HN-M6-32-PV-N  | M6        | 2.0, 2.5, 3.0, 3.2mm | PVDF     | Natural | 100pcs/pkg |
| 809799    | HN-U28-16-AC-B | 1/4-28UNF | 1.6mm                | POM      | Black   | 100pcs/pkg |
| 809726    | HN-U28-16-PK-N | 1/4-28UNF | 1.6mm                | PEEK     | Natural | 100pcs/pkg |
| 809765    | HN-U28-16-PS-B | 1/4-28UNF | 1.6mm                | PPS      | Black   | 100pcs/pkg |
| 809764    | HN-U28-16-PV-N | 1/4-28UNF | 1.6mm                | PVDF     | Natural | 100pcs/pkg |
| 809794    | HN-U28-32-AC-B | 1/4-28UNF | 2.0, 2.5, 3.0, 3.2mm | POM      | Black   | 100pcs/pkg |
| 809727    | HN-U28-32-PK-N | 1/4-28UNF | 2.0, 2.5, 3.0, 3.2mm | PEEK     | Natural | 100pcs/pkg |
| 809767    | HN-U28-32-PS-B | 1/4-28UNF | 2.0, 2.5, 3.0, 3.2mm | PPS      | Black   | 100pcs/pkg |
| 809766    | HN-U28-32-PV-N | 1/4-28UNF | 2.0, 2.5, 3.0, 3.2mm | PVDF     | Natural | 100pcs/pkg |

## HNF/Standard Ferrule Fittings

| HNF                                                                                 | - U28                      | - 16                                                     | - PV     | - N                  |
|-------------------------------------------------------------------------------------|----------------------------|----------------------------------------------------------|----------|----------------------|
| Standard Ferrule Fittings                                                           | Thread                     | Tube OD                                                  | Material | Color                |
|  | M6 -M6x1<br>U28 -1/4-28UNF | 16-1.6mm<br>20-2.0mm<br>25-2.5mm<br>30-3.0mm<br>32-3.2mm | PV-PVDF  | B-Black<br>N-Natural |

| Item Code | Model           | Thread    | Tube OD | Material | Color   | Packaging  |
|-----------|-----------------|-----------|---------|----------|---------|------------|
| 809108    | HNF-M6-16-PV-N  | M6        | 1.6mm   | PVDF     | Natural | 100pcs/pkg |
| 809401    | HNF-M6-16-PV-B  | M6        | 1.6mm   | PVDF     | Black   | 100pcs/pkg |
| 809116    | HNF-M6-20-PV-N  | M6        | 2.0mm   | PVDF     | Natural | 100pcs/pkg |
| 809415    | HNF-M6-20-PV-B  | M6        | 2.0mm   | PVDF     | Black   | 100pcs/pkg |
| 809124    | HNF-M6-25-PV-N  | M6        | 2.5mm   | PVDF     | Natural | 100pcs/pkg |
| 809413    | HNF-M6-25-PV-B  | M6        | 2.5mm   | PVDF     | Black   | 100pcs/pkg |
| 809120    | HNF-M6-30-PV-N  | M6        | 3.0mm   | PVDF     | Natural | 100pcs/pkg |
| 809416    | HNF-M6-30-PV-B  | M6        | 3.0mm   | PVDF     | Black   | 100pcs/pkg |
| 809112    | HNF-M6-32-PV-N  | M6        | 3.2mm   | PVDF     | Natural | 100pcs/pkg |
| 809414    | HNF-M6-32-PV-B  | M6        | 3.2mm   | PVDF     | Black   | 100pcs/pkg |
| 809107    | HNF-U28-16-PV-N | 1/4-28UNF | 1.6mm   | PVDF     | Natural | 100pcs/pkg |
| 809395    | HNF-U28-16-PV-B | 1/4-28UNF | 1.6mm   | PVDF     | Black   | 100pcs/pkg |
| 809115    | HNF-U28-20-PV-N | 1/4-28UNF | 2.0mm   | PVDF     | Natural | 100pcs/pkg |
| 809398    | HNF-U28-20-PV-B | 1/4-28UNF | 2.0mm   | PVDF     | Black   | 100pcs/pkg |
| 809123    | HNF-U28-25-PV-N | 1/4-28UNF | 2.5mm   | PVDF     | Natural | 100pcs/pkg |
| 809396    | HNF-U28-25-PV-B | 1/4-28UNF | 2.5mm   | PVDF     | Black   | 100pcs/pkg |

| HNF                                                                               |  | - U28                      | - 16                                                     | - PV     | - N                  |
|-----------------------------------------------------------------------------------|--|----------------------------|----------------------------------------------------------|----------|----------------------|
| Standard Ferrule Fittings                                                         |  | Thread                     | Tube OD                                                  | Material | Color                |
|  |  | M6 -M6x1<br>U28 -1/4-28UNF | 16-1.6mm<br>20-2.0mm<br>25-2.5mm<br>30-3.0mm<br>32-3.2mm | PV-PVDF  | B-Black<br>N-Natural |

| Item Code | Model           | Thread    | Tube OD | Material | Color   | Packaging  |
|-----------|-----------------|-----------|---------|----------|---------|------------|
| 809396    | HNF-U28-25-PV-B | 1/4-28UNF | 2.5mm   | PVDF     | Black   | 100pcs/pkg |
| 809119    | HNF-U28-30-PV-N | 1/4-28UNF | 3.0mm   | PVDF     | Natural | 100pcs/pkg |
| 809399    | HNF-U28-30-PV-B | 1/4-28UNF | 3.0mm   | PVDF     | Black   | 100pcs/pkg |
| 809111    | HNF-U28-32-PV-N | 1/4-28UNF | 3.2mm   | PVDF     | Natural | 100pcs/pkg |
| 809397    | HNF-U28-32-PV-B | 1/4-28UNF | 3.2mm   | PVDF     | Black   | 100pcs/pkg |

### HN6/Compact Ferrule Fittings

| HN6                                                                               |  | - U28                      | - 16                     | - PV                                   | - N                  |
|-----------------------------------------------------------------------------------|--|----------------------------|--------------------------|----------------------------------------|----------------------|
| Compact Ferrule Fittings                                                          |  | Thread                     | Tube OD                  | Material                               | Color                |
|  |  | M6 -M6x1<br>U28 -1/4-28UNF | 16-1.6mm<br>32-2.0~3.2mm | PV-PVDF<br>AC-POM<br>PS-PPS<br>PK-PEEK | B-Black<br>N-Natural |

| Item Code | Model           | Thread    | Tube OD              | Material | Color   | Packaging  |
|-----------|-----------------|-----------|----------------------|----------|---------|------------|
| 809797    | HN6-M6-16-AC-B  | M6        | 1.6mm                | POM      | Black   | 100pcs/pkg |
| 809732    | HN6-M6-16-PK-N  | M6        | 1.6mm                | PEEK     | Natural | 100pcs/pkg |
| 809777    | HN6-M6-16-PS-B  | M6        | 1.6mm                | PPS      | Black   | 100pcs/pkg |
| 809776    | HN6-M6-16-PV-N  | M6        | 1.6mm                | PVDF     | Natural | 100pcs/pkg |
| 809798    | HN6-M6-32-AC-B  | M6        | 2.0, 2.5, 3.0, 3.2mm | POM      | Black   | 100pcs/pkg |
| 809733    | HN6-M6-32-PK-N  | M6        | 2.0, 2.5, 3.0, 3.2mm | PEEK     | Natural | 100pcs/pkg |
| 809779    | HN6-M6-32-PS-B  | M6        | 2.0, 2.5, 3.0, 3.2mm | PPS      | Black   | 100pcs/pkg |
| 809778    | HN6-M6-32-PV-N  | M6        | 2.0, 2.5, 3.0, 3.2mm | PVDF     | Natural | 100pcs/pkg |
| 809800    | HN6-U28-16-AC-B | 1/4-28UNF | 1.6mm                | POM      | Black   | 100pcs/pkg |
| 809730    | HN6-U28-16-PK-N | 1/4-28UNF | 1.6mm                | PEEK     | Natural | 100pcs/pkg |
| 809773    | HN6-U28-16-PS-B | 1/4-28UNF | 1.6mm                | PPS      | Black   | 100pcs/pkg |
| 809772    | HN6-U28-16-PV-N | 1/4-28UNF | 1.6mm                | PVDF     | Natural | 100pcs/pkg |
| 809793    | HN6-U28-32-AC-B | 1/4-28UNF | 2.0, 2.5, 3.0, 3.2mm | POM      | Black   | 100pcs/pkg |
| 809923    | HN6-U28-32-PK-B | 1/4-28UNF | 2.0, 2.5, 3.0, 3.2mm | PEEK     | Black   | 100pcs/pkg |
| 809649    | HN6-U28-32-PK-N | 1/4-28UNF | 2.0, 2.5, 3.0, 3.2mm | PEEK     | Natural | 100pcs/pkg |
| 809775    | HN6-U28-32-PS-B | 1/4-28UNF | 2.0, 2.5, 3.0, 3.2mm | PPS      | Black   | 100pcs/pkg |
| 809774    | HN6-U28-32-PV-N | 1/4-28UNF | 2.0, 2.5, 3.0, 3.2mm | PVDF     | Natural | 100pcs/pkg |

## HNF6/Compact Ferrule Fittings

| HNF6                                                                              | - U28                      | - 16                                                     | - PV     | - N                  |
|-----------------------------------------------------------------------------------|----------------------------|----------------------------------------------------------|----------|----------------------|
| Compact Ferrule Fittings                                                          | Thread                     | Tube OD                                                  | Material | Color                |
|  | M6 -M6x1<br>U28 -1/4-28UNF | 16-1.6mm<br>20-2.0mm<br>25-2.5mm<br>30-3.0mm<br>32-3.2mm | PV-PVDF  | B-Black<br>N-Natural |

| Item Code | Model            | Thread    | Tube OD | Material | Color | Packaging  |
|-----------|------------------|-----------|---------|----------|-------|------------|
| 809128    | HNF6-M6-16-PS-B  | M6        | 1.6mm   | PPS      | Black | 100pcs/pkg |
| 809148    | HNF6-M6-20-PS-B  | M6        | 2.0mm   | PPS      | Black | 100pcs/pkg |
| 809168    | HNF6-M6-25-PS-B  | M6        | 2.5mm   | PPS      | Black | 100pcs/pkg |
| 809158    | HNF6-M6-30-PS-B  | M6        | 3.0mm   | PPS      | Black | 100pcs/pkg |
| 809138    | HNF6-M6-32-PS-B  | M6        | 3.2mm   | PPS      | Black | 100pcs/pkg |
| 809127    | HNF6-U28-16-PS-B | 1/4-28UNF | 1.6mm   | PPS      | Black | 100pcs/pkg |
| 809553    | HNF6-U28-16-PS-U | 1/4-28UNF | 1.6mm   | PPS      | Blue  | 100pcs/pkg |
| 809147    | HNF6-U28-20-PS-B | 1/4-28UNF | 2.0mm   | PPS      | Black | 100pcs/pkg |
| 809554    | HNF6-U28-20-PS-U | 1/4-28UNF | 2.0mm   | PPS      | Blue  | 100pcs/pkg |
| 809167    | HNF6-U28-25-PS-B | 1/4-28UNF | 2.5mm   | PPS      | Black | 100pcs/pkg |
| 809555    | HNF6-U28-25-PS-U | 1/4-28UNF | 2.5mm   | PPS      | Blue  | 100pcs/pkg |
| 809157    | HNF6-U28-30-PS-B | 1/4-28UNF | 3.0mm   | PPS      | Black | 100pcs/pkg |
| 809137    | HNF6-U28-32-PS-B | 1/4-28UNF | 3.2mm   | PPS      | Black | 100pcs/pkg |

## HNE6/Compact Hex Ferrule Fitting

| HNE6                                                                                | - U28          | - 32      | - PV     | - N     |
|-------------------------------------------------------------------------------------|----------------|-----------|----------|---------|
| Compact Hex Ferrule Fitting                                                         | Thread         | Tube OD   | Material | Color   |
|  | U28 -1/4-28UNF | 32 -3.2mm | PS-PPS   | B-Black |

| Item Code | Model            | Thread Type | Tube OD | Material | Color | Packaging  |
|-----------|------------------|-------------|---------|----------|-------|------------|
| 809922    | HNE6-U28-32-PS-B | 1/4-28UNF   | 3.2mm   | PPS      | Black | 100pcs/pkg |

## HNE/Long Standard Ferrule Fitting

| HNE                                                                                 | - U28          | - 32      | - PP     | - N       |
|-------------------------------------------------------------------------------------|----------------|-----------|----------|-----------|
| Long Standard Ferrule Fitting                                                       | Thread         | Tube OD   | Material | Color     |
|  | U28 -1/4-28UNF | 32 -3.2mm | PP-PP    | N-Natural |

| Item Code | Model           | Thread Type | Tube OD | Material | Color   | Packaging  |
|-----------|-----------------|-------------|---------|----------|---------|------------|
| 809927    | HNE-U28-32-PP-N | 1/4-28UNF   | 3.2mm   | PP       | Natural | 100pcs/pkg |

## CL-0X/Ferrule

| CL - 0X - 16 - PP - N                                                             |                    |                                                          |                     |                        |            |
|-----------------------------------------------------------------------------------|--------------------|----------------------------------------------------------|---------------------|------------------------|------------|
| Ferrule                                                                           | Compatible Fitting | Tube OD                                                  | Material            | Color                  |            |
|  | HN<br>HN6          | 16-1.6mm<br>20-2.0mm<br>25-2.5mm<br>30-3.0mm<br>32-3.2mm | PP - PP<br>ET -ETFE | N-Natural<br>Y -Yellow |            |
| Item Code                                                                         | Model              | Tube OD                                                  | Material            | Color                  | Packaging  |
| 809731                                                                            | CL-0X-16-ET-N      | 1.6mm                                                    | ETFE                | Natural                | 100pcs/pkg |
| 809820                                                                            | CL-0X-16-PP-N      | 1.6mm                                                    | PP                  | Natural                | 100pcs/pkg |
| 809734                                                                            | CL-0X-20-ET-N      | 2.0mm                                                    | ETFE                | Natural                | 100pcs/pkg |
| 809821                                                                            | CL-0X-20-PP-N      | 2.0mm                                                    | PP                  | Natural                | 100pcs/pkg |
| 809735                                                                            | CL-0X-25-ET-N      | 2.5mm                                                    | ETFE                | Natural                | 100pcs/pkg |
| 809822                                                                            | CL-0X-25-PP-N      | 2.5mm                                                    | PP                  | Natural                | 100pcs/pkg |
| 809736                                                                            | CL-0X-30-ET-N      | 3.0mm                                                    | ETFE                | Natural                | 100pcs/pkg |
| 809823                                                                            | CL-0X-30-PP-N      | 3.0mm                                                    | PP                  | Natural                | 100pcs/pkg |
| 809780                                                                            | CL-0X-32-ET-N      | 3.2mm                                                    | ETFE                | Natural                | 100pcs/pkg |
| 809650                                                                            | CL-0X-32-ET-Y      | 3.2mm                                                    | ETFE                | Yellow                 | 100pcs/pkg |
| 809824                                                                            | CL-0X-32-PP-N      | 3.2mm                                                    | PP                  | Natural                | 100pcs/pkg |

## CL-0/Ferrule

| CL - 0 - 16 - PP - N                                                                |                    |                                                          |                     |           |            |
|-------------------------------------------------------------------------------------|--------------------|----------------------------------------------------------|---------------------|-----------|------------|
| Ferrule                                                                             | Compatible Fitting | Tube OD                                                  | Material            | Color     |            |
|  | HNF<br>HNF6        | 16-1.6mm<br>20-2.0mm<br>25-2.5mm<br>30-3.0mm<br>32-3.2mm | PP - PP<br>ET -ETFE | N-Natural |            |
| Item Code                                                                           | Model              | Tube OD                                                  | Material            | Color     | Packaging  |
| 809201                                                                              | CL-0-16-ET-N       | 1.6mm                                                    | ETFE                | Natural   | 100pcs/pkg |
| 809202                                                                              | CL-0-16-PP-N       | 1.6mm                                                    | PP                  | Natural   | 100pcs/pkg |
| 809205                                                                              | CL-0-20-ET-N       | 2.0mm                                                    | ETFE                | Natural   | 100pcs/pkg |
| 809206                                                                              | CL-0-20-PP-N       | 2.0mm                                                    | PP                  | Natural   | 100pcs/pkg |
| 809207                                                                              | CL-0-25-ET-N       | 2.5mm                                                    | ETFE                | Natural   | 100pcs/pkg |
| 809208                                                                              | CL-0-25-PP-N       | 2.5mm                                                    | PP                  | Natural   | 100pcs/pkg |
| 809209                                                                              | CL-0-30-ET-N       | 3.0mm                                                    | ETFE                | Natural   | 100pcs/pkg |
| 809210                                                                              | CL-0-30-PP-N       | 3.0mm                                                    | PP                  | Natural   | 100pcs/pkg |
| 809203                                                                              | CL-0-32-ET-N       | 3.2mm                                                    | ETFE                | Natural   | 100pcs/pkg |
| 809204                                                                              | CL-0-32-PP-N       | 3.2mm                                                    | PP                  | Natural   | 100pcs/pkg |
| 809928                                                                              | CL-0E-32-ET-N      | 3.2mm                                                    | ETFE                | Natural   | 100pcs/pkg |

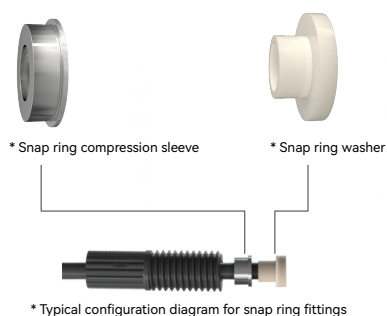
## CL-0E/Ferrule

| CL - 0E - 32 - ET - N                                                               |              |                    |          |          |            |
|-------------------------------------------------------------------------------------|--------------|--------------------|----------|----------|------------|
| Ferrule                                                                             |              | Compatible Fitting | Tube OD  | Material | Color      |
|  |              | HNE<br>HNE6        | 32-3.2mm | ET -ETFE | N-Natural  |
| Item Code                                                                           | Model        | Tube OD            | Material | Color    | Packaging  |
| 809928                                                                              | CL-0-32-ET-N | 3.2mm              | ETFE     | Natural  | 100pcs/pkg |



### ⓘ Precautions

1. Use professional tube cutting tools to cut the tube end face flat to reduce dead volume.
2. During assembly, note the installation direction of the washer and snap ring housing.



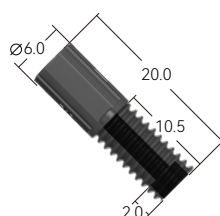
### 💡 Assembly Tips

1. Slide the snap ring fitting, snap ring compression sleeve, and snap ring washer onto the tubing in sequence.
2. Manually adjust to align the tube end face flush with the snap ring washer end face.
3. Insert the pre-assembled snap ring fitting from the previous steps into the corresponding female threaded hole, and hand-tighten to compress the washer with the sleeve via the fitting, forming a seal.

# Snap Ring Fittings

- Consists mainly of three parts: snap ring housing, snap ring washer, and fitting (flanged fitting);
- Adapts to compact space installation, requires special tools for snap ring installation or flange flaring;
- Rotation-independent design ensures no twisting deformation leakage risk in rigid tubing when fitting rotates freely;  
Forms rigid face seal between tubing flange/snap ring end face and female threaded fitting through swaging seal;
- 1.6, 2.0, 2.5, 3.0, 3.2 mm tube fittings, used with snap ring washers and stainless steel snap ring housings;
- Compatible with 1/4-28UNF and M6x1 face seal ports;
- Allows multiple disassemblies and connections;
- REACH, RoHS, and MSDS reports are available.

## HSF6/Compact Snap Ring Fittings



Unit: mm

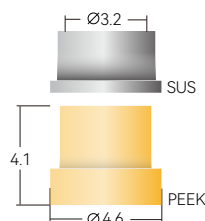
### • HSF6/Compact Snap Ring Fittings

Compatible with 1.6 - 3.2 mm Tube OD  
1/4-28 UNF & M6x1 Threads

| Model                          | HSF6-M6(U28)-16 |          | HSF6-M6(U28)-32 |          |          |
|--------------------------------|-----------------|----------|-----------------|----------|----------|
| Tube OD                        | 1.6             | 2.0      | 2.5             | 3.0      | 3.2      |
| A                              | 1.6             | 3.2      |                 |          |          |
| Compatible with snap ring kits | CL-1S-16        | CL-1S-20 | CL-1S-25        | CL-1S-30 | CL-1S-32 |
| Compatible with flange gaskets | WSS-16          | WSS-20   | WSS-25          | WSS-30   | WSS-32   |



## CL-1/Snap ring kit



Unit: mm

### • CL-1S Series

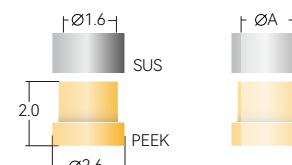
Compatible with 1.6-3.2mm Snap Ring Fittings  
1/4-28 UNF & M6x1 Threads

| Model                   | CL-1S-16        | CL-1S-20 | CL-1S-25        | CL-1S-30 | CL-1S-32 |
|-------------------------|-----------------|----------|-----------------|----------|----------|
| Tube OD                 | 1.6             | 2.0      | 2.5             | 3.0      | 3.2      |
| A                       | 1.6             | 3.2      |                 |          |          |
| Compatible with fitting | HSF6-M6(U28)-16 |          | HSF6-M6(U28)-32 |          |          |

| Model                   | CL-1X-16    |
|-------------------------|-------------|
| Tube OD                 | 1.6         |
| A                       | 1.6         |
| Compatible with fitting | HFL6-U40-16 |

### • CL-1X Series

Compatible with 1.6mm Snap Ring Fittings  
6-40UNF Threads



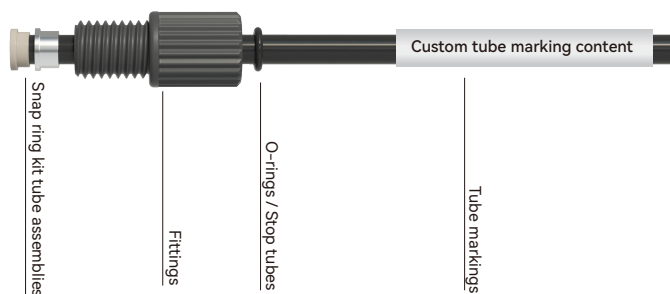
## 🔔 Snap ring fitting usage notes

1. For better assembly consistency, strongly recommend using dedicated snap ring pliers to compress the sleeve and washer.



| Item Code | Snap ring kit installation pliers |
|-----------|-----------------------------------|
| 959016    | T-SF-4-SS                         |

## Custom Snap Ring Kit Tube Assemblies



### Snap ring kit tube assemblies

Snap ring compression sealing, vibration-resistant and anti-loosening, easy installation and reusable.

### Rigid tubes

Rigid tube materials: FEP, PTFE; Custom lengths; Outer diameters available: 1.6, 2.0, 2.5, 3.0, 3.2 mm.

### Snap ring kits

Snap ring materials: SUS, PEEK;  
Sizes available: 1.6, 2.0, 2.5, 3.0, 3.2 mm.

### Fitting types

Options: flanged face seal fittings or snap ring fittings. Fitting threads: M6x1, 1/4-28UNF, 6-40UNF.

### O-rings / Stop tubes

Locking fittings prevent sliding.

### Tube markings

(Heat - shrink material) Custom - printed labels or logos available for easy flow path identification.

## HSF6/Compact Snap Ring Fittings

| HSF6 - U28 - 16 - PP - N                                                          |                  |                            |                                                          |                     |                      |            |
|-----------------------------------------------------------------------------------|------------------|----------------------------|----------------------------------------------------------|---------------------|----------------------|------------|
| Compact Snap Ring Fittings                                                        |                  | Thread                     | Tube OD                                                  | Material            | Color                |            |
|  |                  | M6 -M6x1<br>U28 -1/4-28UNF | 16-1.6mm<br>20-2.0mm<br>25-2.5mm<br>30-3.0mm<br>32-3.2mm | PS -PPS<br>PK -PEEK | N-Natural<br>B-Black |            |
| Item Code                                                                         | Model            | Thread                     | Tube OD                                                  | Material            | Color                | Packaging  |
| 809816                                                                            | HSF6-M6-16-PS-B  | M6                         | 1.6mm                                                    | PPS                 | Black                | 100pcs/pkg |
| 809817                                                                            | HSF6-M6-32-PS-B  | M6                         | 2.0, 2.5, 3.0, 3.2mm                                     | PPS                 | Black                | 100pcs/pkg |
| 809829                                                                            | HSF6-U28-16-PK-N | 1/4-28UNF                  | 1.6mm                                                    | PEEK                | Natural              | 100pcs/pkg |
| 809814                                                                            | HSF6-U28-16-PS-B | 1/4-28UNF                  | 1.6mm                                                    | PPS                 | Black                | 100pcs/pkg |
| 809828                                                                            | HSF6-U28-32-PK-N | 1/4-28UNF                  | 2.0, 2.5, 3.0, 3.2mm                                     | PEEK                | Natural              | 100pcs/pkg |
| 809815                                                                            | HSF6-U28-32-PS-B | 1/4-28UNF                  | 2.0, 2.5, 3.0, 3.2mm                                     | PPS                 | Black                | 100pcs/pkg |

## CL-1/Snap Ring Kit

| CL - 1S - 16                                                                       |          |                                                                       |                                                          |                                   |         |            |
|------------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------|----------------------------------------------------------|-----------------------------------|---------|------------|
| Snap Ring Kit                                                                      |          | Compatibility Types                                                   | Tube OD                                                  |                                   |         |            |
|  |          | 1S-Snap ring kit (U28 & M6 Threads)<br>1X-Snap ring kit (U40 Threads) | 16-1.6mm<br>20-2.0mm<br>25-2.5mm<br>30-3.0mm<br>32-3.2mm |                                   |         |            |
| Item Code                                                                          | Model    | Compatibility types                                                   | Tube OD                                                  | Material                          | Color   | Packaging  |
| 809801                                                                             | CL-1S-16 | 1/4-28 UNF & M6×1 Threads                                             | 1.6mm                                                    | PEEK Gasket+SUS Snap ring housing | Natural | 100pcs/pkg |
| 809802                                                                             | CL-1S-20 | 1/4-28 UNF & M6×1 Threads                                             | 2.0mm                                                    | PEEK Gasket+SUS Snap ring housing | Natural | 100pcs/pkg |
| 809803                                                                             | CL-1S-25 | 1/4-28 UNF & M6×1 Threads                                             | 2.5mm                                                    | PEEK Gasket+SUS Snap ring housing | Natural | 100pcs/pkg |
| 809804                                                                             | CL-1S-30 | 1/4-28 UNF & M6×1 Threads                                             | 3.0mm                                                    | PEEK Gasket+SUS Snap ring housing | Natural | 100pcs/pkg |
| 809805                                                                             | CL-1S-32 | 1/4-28 UNF & M6×1 Threads                                             | 3.2mm                                                    | PEEK Gasket+SUS Snap ring housing | Natural | 100pcs/pkg |
| 809653                                                                             | CL-1X-16 | 6-40UNF Threads                                                       | 1.6mm                                                    | PEEK Gasket+SUS Snap ring housing | Natural | 100pcs/pkg |

# High-Pressure Fittings

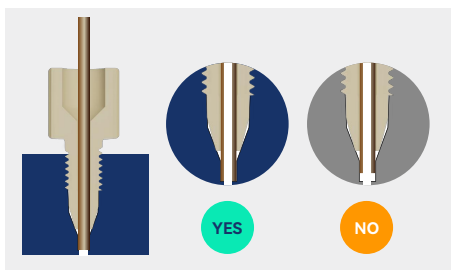
- Features integrated hand-tightening design enabling tool-free rapid assembly;
- Tapered surface structure ensures significantly enhanced connection reliability;
- For high-pressure fluidic connections: HPLC, UHPLC, UPLC, NanoLC;
- 1.6mm tube fitting, monolithic structure;
- Compatible with 10-32UNF tapered ports;
- Materials available: SUS, PEEK;
- Maximum pressure resistance: 34MPa;
- REACH, RoHS, and MSDS reports available.

## ⚠️ Precautions

1. To achieve the best high - pressure sealing effect, the OD of the tube and the fitting must be compatible. It's recommended to use tubes and fittings from the same manufacturer.
2. Select fittings made of materials compatible with the fluid being transferred.

## 💡 Assembly Tips

1. When installing high - pressure fittings, ensure the installation environment is clean, free of impurities and dust.
2. Avoid overtightening, which can reduce service life. After initial hand - tightening resistance is felt, further tighten 1/8to 1/4 of a turn (45° to 90°).
3. During installation, push the tube to the bottom of the installation hole to minimize dead volume.



## 💡 Related Products

1. Use with torque screwdrivers for precision torque adjustment, enabling controlled fitting assembly/disassembly.

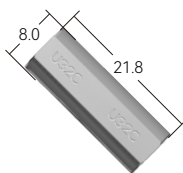


| Item Code | Compatible Bit      |
|-----------|---------------------|
| 956002    | Al torque bit heads |



| Item Code | Compatible Fitting                  |
|-----------|-------------------------------------|
| 959021    | PNC/Standard high-pressure fittings |

## PNC/High-Pressure Fittings

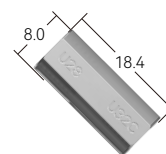


Unit: mm

### • Pu/Female Threaded Straight

Compatible with 10-32UNF thread  
0.75mm ID

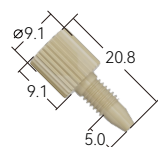
| Model  | PU-U32-16 |
|--------|-----------|
| Thread | 10-32UNF  |



### • Pu/Female Threaded Straight

Compatible with 10-32UNF thread  
& 1/4-28UNF thread  
0.75mm ID

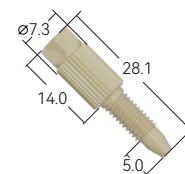
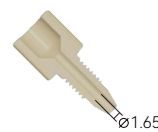
| Model  | PU-U32-U28-16        |
|--------|----------------------|
| Thread | 10-32UNF & 1/4-28UNF |



### • Pnc/Standard Fittings

Compatible with 1.6mm OD tubing  
10-32UNF Thread

| Model  | PNC-U32-16 |
|--------|------------|
| Thread | 10-32UNF   |



### • Pnc6/Compact Fittings

Compatible with 1.6mm OD tubing  
10-32UNF Thread

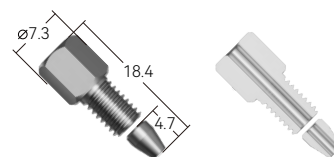
| Model  | PNC6-U32-16 |
|--------|-------------|
| Thread | 10-32UNF    |



### • Put/Female Threaded Tee

Compatible with 10-32UNF thread  
0.5mm ID

| Model  | PNT-U32  |
|--------|----------|
| Thread | 10-32UNF |



### • Pnf/Ferrule Fitting Kits

Compatible with 1.6mm OD tubing  
10-32UNF thread

| Model  | PNF-U32-16 |
|--------|------------|
| Thread | 10-32UNF   |

## P/High-Pressure Fittings

| P                                                                                 | NC                                                                                                                                  | - U32         | - 16                                       | - PK              | - N       |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------------------------|-------------------|-----------|
| High-Pressure Fittings                                                            | Model                                                                                                                               | Thread        | Tube OD or ID                              | Material          | Color     |
|  | NC -Standard Fittings<br>NC6-Compact Fittings<br>U -Female Threaded Straight<br>UT -Female Threaded Tee<br>NF -Ferrule Fitting Kits | U32 -10-32UNF | 16-1.6mm<br>08-0.8mm (ID)<br>05-0.5mm (ID) | PK-PEEK<br>SS-SUS | N-Natural |

| Item Code | Model              | Thread             | Tube OD or ID | Material | Color   | Packaging |
|-----------|--------------------|--------------------|---------------|----------|---------|-----------|
| 809791    | PNC-U32-16-PK-N    | 10-32UNF           | 1.6mm         | PEEK     | Natural | 10pcs/pkg |
| 809661    | PNC6-U32-16-PK-N   | 10-32UNF           | 1.6mm         | PEEK     | Natural | 10pcs/pkg |
| 809696    | PNF-U32-16-SS-N    | 10-32UNF           | 1.6mm         | SUS      | Natural | 10pcs/pkg |
| 809317    | PU-U32-08-SS-N     | 10-32UNF           | 0.8mm (ID)    | SUS      | Natural | 10pcs/pkg |
| 809659    | PU-U32-U28-08-SS-N | 10-32UNF&1/4-28UNF | 0.8mm (ID)    | SUS      | Natural | 10pcs/pkg |
| 809664    | PUT-U32-05-SS-N    | 10-32UNF           | 0.5mm (ID)    | SUS      | Natural | 10pcs/pkg |



## Hose Fitting

This series provides barbed fittings. By inserting fittings into the tubing lumen, the barb structure induces 20%-50% radial expansion of hose tubing to form self-sealing. Compatible with elastic tubing like silicone, TPU, TPE, PU, PVC. Product types include tube-to-tube fittings (barbed fittings, panel mount barbed fittings) and threaded-to-tube fittings (male threaded-to-barb fittings, female threaded-to-barb fittings).

**Barbed fittings:** Push-to-connect hose assemblies enabling multi-channel connections with quick-connect/-disconnect operation.

**Panel mount barbed fittings:** Integrated panel-mount structure secures to equipment enclosures via built-in mounting threads, simultaneously completing internal/external tubing interconnection.

**Thread-to-barb fittings:** Establish quick transition between hose and rigid systems, enabling convenient connections to external rigid systems.

**Female thread-to-barb fittings:** Create transition interfaces between hose and rigid systems, specifically designed for internally connected rigid systems.

### 27

Barbed Fittings

Includes Tee, Elbow, Y, Crossing, T, and straight through barbed fittings

### 39

Panel Mount  
Barbed Fittings

Includes panel mount barbed fittings and matching hex nuts

### 41

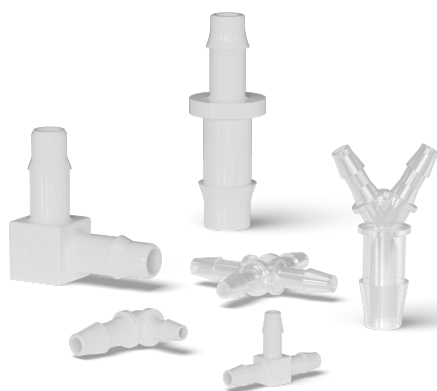
Thread to Barbed  
Fittings

Includes straight, L-type, and swivel threaded-to-barb fittings

### 47

Female Thread to  
Barb Fittings

Includes M6 threads and 1/4-28UNF female thread series



# Barbed Fittings

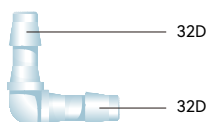
- Our products cover straight-through, T-type, Y-type, L-type, cross, and  $\pi$ -type structures. They are divided into equal-diameter (constant cross-section) and unequal-diameter (variable cross-section) types based on tube diameter. Typical ones include equal-diameter straight-through, unequal-diameter straight-through, and unequal-diameter Y/L-type variants.
- They are plug-and-play for quick and easy use.
- Available tube joints for tubes of 1.6, 2.4, 3.2, 4.0, 4.8, 6.4, 7.9, 9.5, 12.7 mm in diameter can connect two or more flexible hoses.
- Materials: PP and nylon; colors: white and natural.
- REACH, RoHS, and MSDS reports are provided.

## ⚠ Precautions

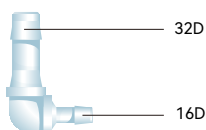
1. During use, note applicable tubing types and size ranges to ensure compatibility with connected hoses.
2. Select fitting materials compatible with conveyed fluid properties and operating environment.
3. During installation/use, protect fitting barbs from scratches or damage to prevent compromised sealing effectiveness.

## 💡 Model Selection Guide

1. Definition of equal barb, eg: BL-32D-32D-PP-N is abbreviated as BL-32D-PP-N



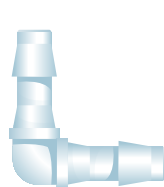
2. Definition of reducer barb: smaller size is indicated first, eg: BL-16D-32D-PP-N



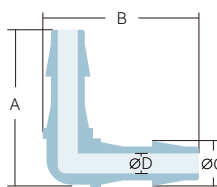
3. The letter suffix after the size represents the different shapes of barbs, as shown in the following table:

| Barb Shape | Barb Code | Expansion Rate | Compatibility  |
|------------|-----------|----------------|----------------|
|            | C         | 33%~50%        | Classic Series |
|            | F         | 25%            | 400 Series     |
|            | D         | 21%~50%        | 200 Series     |
|            | V         | 21%~63%        | 500 Series     |
|            | X         | 21%~63%        | 600 Series     |

## BL/Elbow



Unit: mm



PP

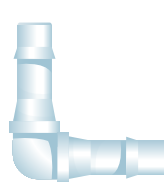


PA

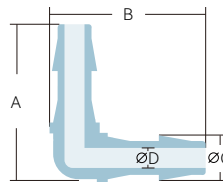
### • C/D/V/X Elbow

Compatible with 1.6~12.7mm ID

| Model   | ID   | A    | B    | C    | D   |
|---------|------|------|------|------|-----|
| BL-16D  | 1.6  | 7.8  | 7.8  | 2.4  | 1.2 |
| BL-24D  | 2.4  | 11.5 | 11.5 | 3.5  | 1.7 |
| BL-32D  | 3.2  | 15.5 | 15.5 | 4.5  | 2.4 |
| BL-95D  | 9.5  | 38.0 | 38.0 | 11.5 | 7.0 |
| BL-127V | 12.7 | 53.8 | 53.8 | 15.6 | 9.0 |



Unit: mm



PP



PA

### • F Elbow

Compatible with 1.6~6.4mm ID

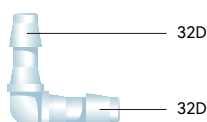
| Model  | ID  | A    | B    | C   | D   |
|--------|-----|------|------|-----|-----|
| BL-16F | 1.6 | 6.8  | 6.8  | 2.0 | 1.1 |
| BL-24F | 2.4 | 10.2 | 10.2 | 3.0 | 1.7 |
| BL-32F | 3.2 | 14.0 | 14.0 | 4.0 | 2.4 |
| BL-40F | 4.0 | 16.0 | 16.0 | 5.0 | 3.0 |
| BL-64F | 6.4 | 27.7 | 27.7 | 8.0 | 4.7 |

## ⓘ Precautions

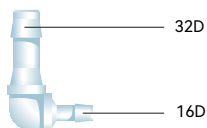
1. During use, note applicable tubing types and size ranges to ensure compatibility with connected hoses.
2. Select fitting materials compatible with conveyed fluid properties and operating environment.
3. During installation/use, protect fitting barbs from scratches or damage to prevent compromised sealing effectiveness.

## 💡 Model Selection Guide

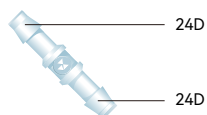
1. Definition of equal barb, eg: BL-32D-32D-PP-N is abbreviated as BL-32D-PP-N



2. Definition of reducer barb: smaller size is indicated first, eg: BL-16D-32D-PP-N



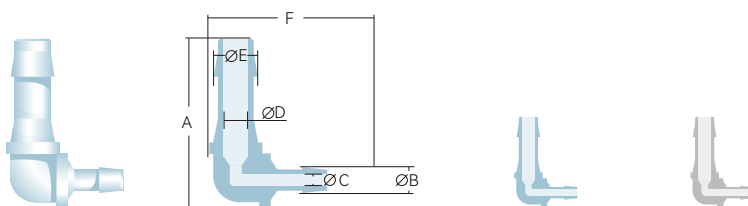
3. Definition of equal barb, eg: BA-24D-24D-PP-N is abbreviated as BA-24D-PP-N



4. The letter suffix after the size represents the different shapes of barbs, as shown in the following table:

| Barb Shape | Barb Code | Expansion Rate | Compatibility  |
|------------|-----------|----------------|----------------|
|            | C         | 33%~50%        | Classic Series |
|            | F         | 25%            | 400 Series     |
|            | D         | 21%~50%        | 200 Series     |
|            | V         | 21%~63%        | 500 Series     |
|            | X         | 21%~63%        | 600 Series     |

## BL/Elbow Reducer



Unit: mm

PP

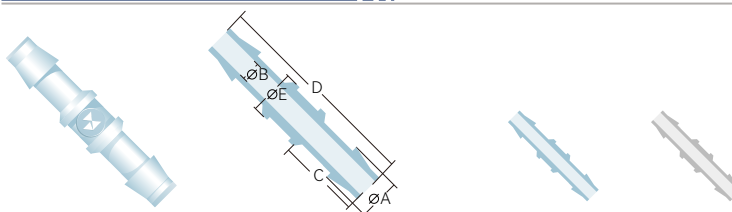
PA

### • C/D/V/X Elbow Reducer

Compatible with 1.6-3.2mm ID

| Model      | ID        | A    | B   | C   | D   | E   | F    |
|------------|-----------|------|-----|-----|-----|-----|------|
| BL-16D-24D | 1.6 & 2.4 | 9.2  | 2.4 | 1.2 | 1.7 | 3.5 | 11.5 |
| BL-24D-32D | 2.4 & 3.2 | 12.7 | 3.5 | 1.7 | 2.4 | 4.5 | 15.5 |
| BL-16D-32D | 1.6 & 3.2 | 10.4 | 2.4 | 1.2 | 2.4 | 4.5 | 15.5 |

## BA/Straight Through



Unit: mm

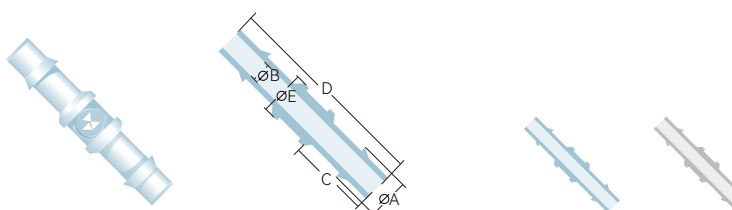
PP

PA

### • C/D/V/X Straight Through

Compatible with 1.6-6.4mm ID

| Model  | ID  | A    | B    | C    | D    | E    |
|--------|-----|------|------|------|------|------|
| BA-16C | 1.6 | 2.65 | 1.15 | 6.8  | 16.0 | 3.0  |
| BA-24D | 2.4 | 3.5  | 1.7  | 7.3  | 19.0 | 4.4  |
| BA-32D | 3.2 | 3.3  | 2.4  | 10.0 | 25.3 | 5.3  |
| BA-64C | 6.4 | 8.5  | 6.7  | 16.4 | 44.0 | 11.0 |



Unit: mm

PP

PA

### • F Straight Through

Compatible with 1.6-4.0mm ID

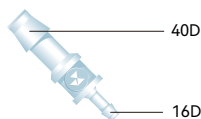
| Model  | ID  | A   | B   | C    | D    | E    |
|--------|-----|-----|-----|------|------|------|
| BA-16F | 1.6 | 2.0 | 1.1 | 4.0  | 11.0 | 2.8  |
| BA-24F | 2.4 | 3.0 | 1.7 | 6.2  | 16.7 | 4.2  |
| BA-32F | 3.2 | 4.0 | 2.4 | 8.35 | 23.0 | 6.35 |
| BA-40F | 4.0 | 5.3 | 3.2 | 9.5  | 25.0 | 6.35 |

## Assembly Tips

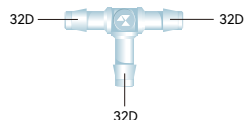
- During use, note applicable tubing types and size ranges to ensure compatibility with connected hoses.
- Select fitting materials compatible with conveyed fluid properties and operating environment.
- During installation/use, protect fitting barbs from scratches or damage to prevent compromised sealing effectiveness.

## Model Selection Guide

- Definition of reducer barb: smaller size is indicated first, eg: BA-16D-40D-PP-N



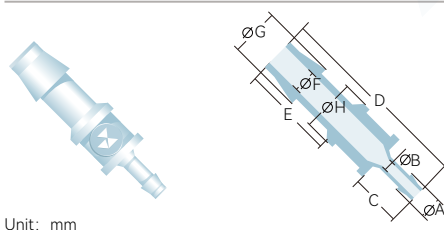
- Definition of equal barb, eg: BT-32D-32D-32D-PP-N is abbreviated as BT-32D-PP-N



- The letter suffix after the size represents the different shapes of barbs, as shown in the following table:

| Barb Shape | Barb Code | Expansion Rate | Compatibility  |
|------------|-----------|----------------|----------------|
|            | C         | 33%~50%        | Classic Series |
|            | F         | 25%            | 400 Series     |
|            | D         | 21%~50%        | 200 Series     |
|            | V         | 21%~63%        | 500 Series     |
|            | X         | 21%~63%        | 600 Series     |

## BA/Straight Through Reducer



Unit: mm

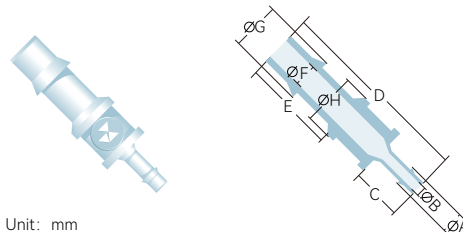
PP

PA

### • C/D/V/X Straight Through Reducer

Compatible with 1.6-12.7mmID

| Model       | ID         | A   | B   | C    | D    | E    | F   | G    | H    |
|-------------|------------|-----|-----|------|------|------|-----|------|------|
| BA-16D-24D  | 1.6 & 2.4  | 2.4 | 1.2 | 5.0  | 16.5 | 7.3  | 1.2 | 3.5  | 4.2  |
| BA-16D-32D  | 1.6 & 3.2  | 2.4 | 1.2 | 5.0  | 20.4 | 10.0 | 2.4 | 4.5  | 5.4  |
| BA-16V-40V  | 1.6 & 4.0  | 2.6 | 1.5 | 5.0  | 21.0 | 10.0 | 3.2 | 5.3  | 6.35 |
| BA-24D-32D  | 2.4 & 3.2  | 3.5 | 1.7 | 7.3  | 22.8 | 10.0 | 2.4 | 4.5  | 5.5  |
| BA-24V-40V  | 2.4 & 4.0  | 3.3 | 1.7 | 6.5  | 22.5 | 10.0 | 3.0 | 5.3  | 6.35 |
| BA-24C-48C  | 2.4 & 4.8  | 3.7 | 1.5 | 8.8  | 29.2 | 17.2 | 3.5 | 7.1  | 9.4  |
| BA-32V-40V  | 3.2 & 4.0  | 4.2 | 2.4 | 8.0  | 24.0 | 10.0 | 2.4 | 5.3  | 6.35 |
| BA-32C-64C  | 3.2 & 6.4  | 4.5 | 2.4 | 11.0 | 32.2 | 18.0 | 4.7 | 8.5  | 11.0 |
| BA-64V-79V  | 6.4 & 7.9  | 8.5 | 4.7 | 16.4 | 50.0 | 21.0 | 4.7 | 10.8 | 15.0 |
| BA-64V-95V  | 6.4 & 9.5  | 8.5 | 4.7 | 16.4 | 42.4 | 23.0 | 7.0 | 11.5 | 15.0 |
| BA-64X-127X | 6.4 & 12.7 | 8.5 | 4.7 | 18.0 | 50.0 | 29.0 | 9.5 | 15.8 | 22.0 |



Unit: mm

PP

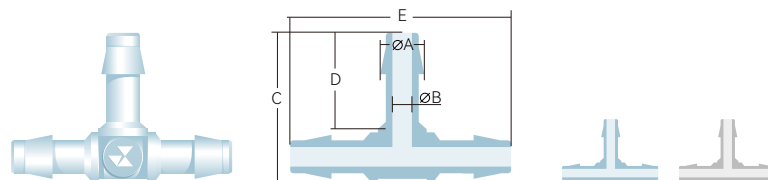
PA

### • Straight Through Reducer

Compatible with 1.6-3.2mmID

| Model      | ID        | A   | B   | C   | D     | E    | F   | G   | H   |
|------------|-----------|-----|-----|-----|-------|------|-----|-----|-----|
| BA-16F-24F | 1.6 & 2.4 | 2.0 | 1.1 | 4.0 | 14.5  | 6.2  | 1.1 | 3.0 | 4.2 |
| BA-16F-32F | 1.6 & 3.2 | 2.0 | 1.1 | 4.0 | 18.0  | 8.35 | 2.4 | 4.0 | 5.6 |
| BA-24F-32F | 2.4 & 3.2 | 3.0 | 1.1 | 6.2 | 20.15 | 8.35 | 1.7 | 4.0 | 5.6 |

## BT/ Tee



Unit: mm

PP

PA

### • C/D/V/X Tee

Compatible with 1.6-12.7mm ID

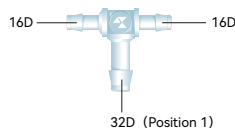
| Model   | ID   | A    | B   | C    | D    | E    |
|---------|------|------|-----|------|------|------|
| BT-16D  | 1.6  | 2.4  | 1.2 | 7.8  | 5.0  | 12.7 |
| BT-24D  | 2.4  | 3.5  | 1.7 | 11.5 | 7.3  | 18.8 |
| BT-32D  | 3.2  | 4.5  | 2.4 | 15.2 | 10.0 | 25.2 |
| BT-40C  | 4.0  | 5.7  | 3   | 17.5 | 11.0 | 28.5 |
| BT-64C  | 6.4  | 8.5  | 4.7 | 29.0 | 18.0 | 47.0 |
| BT-95X  | 9.5  | 11.5 | 7.0 | 38.0 | 24.0 | 62.0 |
| BT-127V | 12.7 | 15.6 | 9.0 | 53.8 | 29.5 | 84.0 |

## Assembly Tips

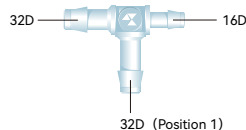
- During use, note applicable tubing types and size ranges to ensure compatibility with connected hoses.
- Select fitting materials compatible with conveyed fluid properties and operating environment.
- During installation/use, protect fitting barbs from scratches or damage to prevent compromised sealing effectiveness.

## Model Selection Guide

- Definition of consistent left-right reduced barbs: Position 1 is first, with the other two dimensions in Positions 2 and 3, eg: BT-32D-16D-16D-PP-N

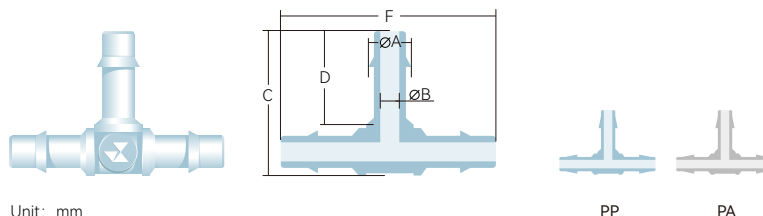


- Definition of unequal-diameter barbs with inconsistent left/right barbs: Position 1 is listed first. If the size matches Position 1, it's placed at Position 2, eg: BT-32D-32D-16D-PP-N



- The letter suffix after the size represents the different shapes of barbs, as shown in the following table:

| Barb Shape | Barb Code | Expansion Rate | Compatibility  |
|------------|-----------|----------------|----------------|
|            | C         | 33%~50%        | Classic Series |
|            | F         | 25%            | 400 Series     |
|            | D         | 21%~50%        | 200 Series     |
|            | V         | 21%~63%        | 500 Series     |
|            | X         | 21%~63%        | 600 Series     |



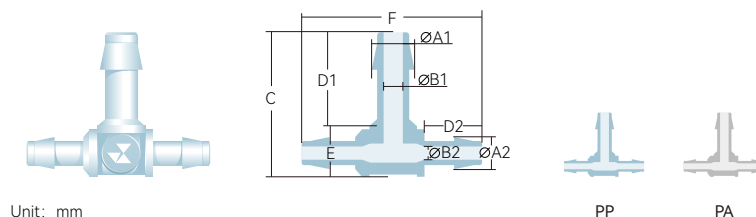
Unit: mm

### • F Tee

Compatible with 1.6-3.2mm ID

| Model  | ID  | A   | B   | C     | D    | E   | F    |
|--------|-----|-----|-----|-------|------|-----|------|
| BT-16F | 1.6 | 2.0 | 1.2 | 6.8   | 4.0  | 2.5 | 10.8 |
| BT-24F | 2.4 | 3.0 | 1.7 | 10.4  | 6.2  | 4.2 | 16.6 |
| BT-32F | 3.2 | 4.0 | 2.4 | 13.95 | 8.35 | 5.6 | 22.3 |

## BT/ Tee Reducer

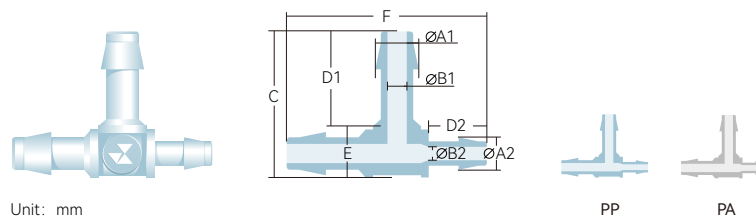


Unit: mm

### • F Tee Reducer

Compatible with 1.6-9.5mm ID

| Model          | ID              | A1  | A2   | B1  | B2  | C    | D1   | D2   | E    | F    |
|----------------|-----------------|-----|------|-----|-----|------|------|------|------|------|
| BT-16D-24D-24D | 1.6 & 2.4 & 2.4 | 2.5 | 3.5  | 1.2 | 1.7 | 9.0  | 5.0  | 7.45 | 4.0  | 18.9 |
| BT-24D-32D-32D | 2.4 & 3.2 & 3.2 | 3.5 | 4.5  | 1.7 | 2.4 | 12.9 | 7.3  | 10.0 | 5.6  | 25.6 |
| BT-32D-16D-16D | 3.2 & 1.6 & 1.6 | 4.5 | 2.4  | 2.4 | 1.2 | 15   | 10.0 | 5.0  | 5.0  | 15.0 |
| BT-32D-24D-24D | 3.2 & 2.4 & 2.4 | 4.5 | 3.5  | 2.4 | 1.7 | 15.6 | 10.0 | 7.3  | 5.6  | 20.2 |
| BT-32D-64T-64T | 3.2 & 6.4 & 6.4 | 4.5 | 8.5  | 2.4 | 4.7 | 19.6 | 10.0 | 18.0 | 9.6  | 44.9 |
| BT-64V-95V-95V | 6.4 & 9.5 & 9.5 | 8.5 | 11.5 | 4.7 | 7.0 | 30.4 | 16.4 | 24.0 | 14.0 | 62.0 |



Unit: mm

### • C/D/V/X Tee Reducer

Compatible with 1.6-6.4mm ID

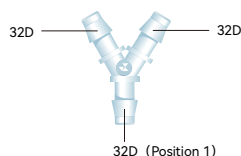
| Model          | ID              | A1  | A2  | B1  | B2  | C    | D1   | D2   | E    | F    |
|----------------|-----------------|-----|-----|-----|-----|------|------|------|------|------|
| BT-24D-24D-16D | 2.4 & 2.4 & 1.6 | 3.5 | 2.4 | 1.7 | 1.1 | 11.3 | 7.3  | 5.0  | 4.0  | 16.3 |
| BT-32D-32D-16D | 3.2 & 3.2 & 1.6 | 4.5 | 2.4 | 2.4 | 1.1 | 15.6 | 10.0 | 5.0  | 5.6  | 20.6 |
| BT-32D-32D-24D | 3.2 & 3.2 & 2.4 | 4.5 | 3.5 | 2.4 | 1.7 | 15.6 | 10.0 | 7.3  | 5.6  | 22.9 |
| BT-64D-64D-32D | 6.4 & 6.4 & 3.2 | 8.5 | 4.5 | 4.7 | 2.4 | 29.0 | 18.0 | 10.0 | 11.0 | 39.0 |

## Assembly Tips

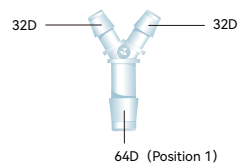
1. During use, note applicable tubing types and size ranges to ensure compatibility with connected hoses.
2. Select fitting materials compatible with conveyed fluid properties and operating environment.
3. During installation/use, protect fitting barbs from scratches or damage to prevent compromised sealing effectiveness.

## Model Selection Guide

1. Definition of equal barb, eg: BY-32D-32D-32D-PP-N is abbreviated as BY-32D-PP-N



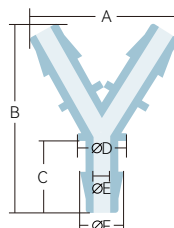
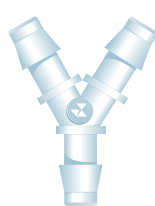
2. Definition of reducing barb: No.1 position in front, eg: BL-64D-32D-32D-PP-N



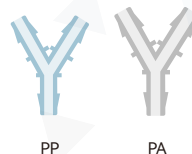
3. The letter suffix after the size represents the different shapes of barbs, as shown in the following table:

| Barb Shape | Barb Code | Expansion Rate | Compatibility  |
|------------|-----------|----------------|----------------|
|            | C         | 33%~50%        | Classic Series |
|            | F         | 25%            | 400 Series     |
|            | D         | 21%~50%        | 200 Series     |
|            | V         | 21%~63%        | 500 Series     |
|            | X         | 21%~63%        | 600 Series     |

## BY/Y



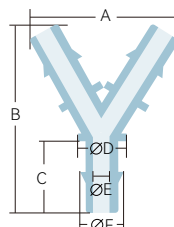
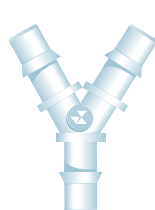
Unit: mm



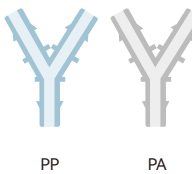
### • C/D/V/X Y

Compatible with 1.6-12.7mm ID

| Model   | ID   | A     | B     | C    | D     | E   | F    |
|---------|------|-------|-------|------|-------|-----|------|
| BY-16D  | 1.6  | 9.03  | 12.49 | 5.0  | 2.8   | 1.2 | 2.4  |
| BY-24D  | 2.4  | 13.25 | 18.33 | 7.3  | 4.2   | 1.7 | 3.5  |
| BY-32D  | 3.2  | 18.31 | 25.16 | 10.0 | 5.6   | 2.4 | 4.5  |
| BY-40D  | 4.0  | 20.19 | 27.26 | 11.0 | 6.35  | 3.0 | 5.7  |
| BY-95X  | 9.5  | 42.0  | 57.36 | 24.0 | 12.0  | 7.0 | 11.5 |
| BY-127V | 12.7 | 59.92 | 79.21 | 30.0 | 23.06 | 9.0 | 15.6 |



Unit: mm

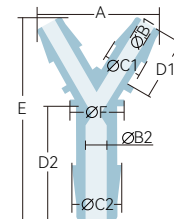
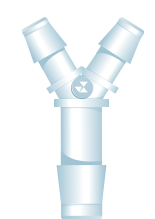


### • F Y

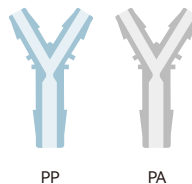
Compatible with 1.6-6.4mm ID

| Model  | ID  | A     | B     | C    | D    | E   | F   |
|--------|-----|-------|-------|------|------|-----|-----|
| BY-16F | 1.6 | 8.31  | 11.03 | 4.0  | 3.0  | 1.2 | 2.0 |
| BY-24F | 2.4 | 12.08 | 16.3  | 6.2  | 4.2  | 1.7 | 3.0 |
| BY-32F | 3.2 | 16.46 | 22.06 | 8.35 | 5.6  | 2.4 | 4.0 |
| BY-48F | 4.8 | 24.34 | 32.68 | 12.5 | 8.4  | 3.5 | 6.0 |
| BY-64F | 6.4 | 32.0  | 43.37 | 16.7 | 11.0 | 4.7 | 8.0 |

## BY/Y Reducer



Unit: mm



### • C/D/V/X Y

Compatible with 1.6-6.4mm ID

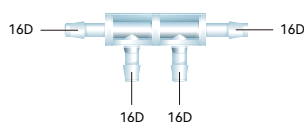
| Model          | ID              | A     | B1  | B2  | C1  | C2  | D1   | D2   | E     | F   |
|----------------|-----------------|-------|-----|-----|-----|-----|------|------|-------|-----|
| BY-24D-16D-16D | 2.4 & 1.6 & 1.6 | 9.92  | 1.1 | 1.1 | 2.4 | 3.5 | 5.0  | 7.3  | 15.7  | 3.8 |
| BY-32D-16D-16D | 3.2 & 1.6 & 1.6 | 9.8   | 1.2 | 2.4 | 2.4 | 4.5 | 5.0  | 10.0 | 18.3  | 5.0 |
| BY-64D-32D-32D | 6.4 & 3.2 & 3.2 | 18.31 | 4.7 | 4.7 | 4.5 | 8.5 | 10.0 | 16.7 | 31.86 | 9.0 |

## Assembly Tips

1. During use, note applicable tubing types and size ranges to ensure compatibility with connected hoses.
2. Select fitting materials compatible with conveyed fluid properties and operating environment.
3. During installation/use, protect fitting barbs from scratches or damage to prevent compromised sealing effectiveness.

## Model Selection Guide

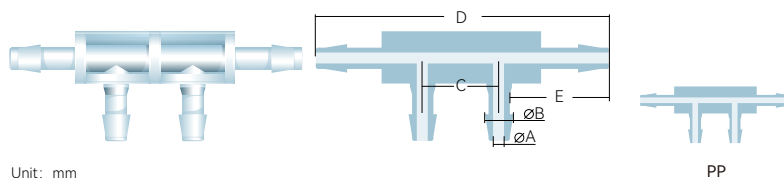
1. Definition of equal barb, eg: BF4-16D-16D-16D-16D-PP-N is abbreviated as BF4-16D-PP-N



2. The letter suffix after the size represents the different shapes of barbs, as shown in the following table:

| Barb Shape | Barb Code | Expansion Rate | Compatibility  |
|------------|-----------|----------------|----------------|
|            | C         | 33%~50%        | Classic Series |
|            | F         | 25%            | 400 Series     |
|            | D         | 21%~50%        | 200 Series     |
|            | V         | 21%~63%        | 500 Series     |
|            | X         | 21%~63%        | 600 Series     |

## BF4/ $\pi$ -Multiport



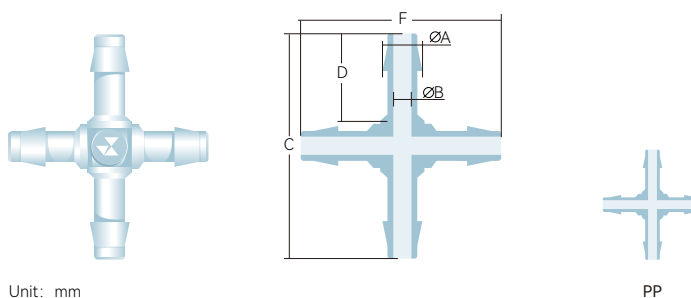
Unit: mm

### • D $\pi$ -Multiport

Compatible with 1.6~4.8mm ID

| Model  | ID  | A   | B   | C    | D    |
|--------|-----|-----|-----|------|------|
| BF4-16 | 1.6 | 1.6 | 2.4 | 5.5  | 23.3 |
| BF4-24 | 2.4 | 1.7 | 3.5 | 8.5  | 33.0 |
| BF4-32 | 3.2 | 2.4 | 4.5 | 8.0  | 37.0 |
| BF4-40 | 4.0 | 3.0 | 5.5 | 12.4 | 50.0 |
| BF4-48 | 4.8 | 3.8 | 6.7 | 13.0 | 58.1 |

## BFX/ Crossing-Multiport



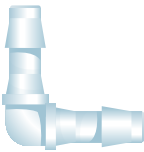
Unit: mm

### • D Crossing-Multiport

Compatible with 1.6~3.2mm ID

| Model  | ID  | A   | B   | C    | D    |
|--------|-----|-----|-----|------|------|
| BX4-16 | 1.6 | 2.5 | 1.0 | 15.2 | 5.6  |
| BX4-24 | 2.4 | 3.7 | 1.4 | 23.7 | 9.0  |
| BX4-32 | 3.2 | 4.5 | 2.4 | 28.6 | 11.0 |

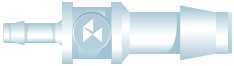
## BL/ Elbow

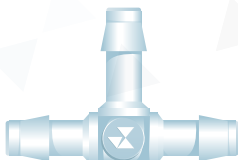
| BL                                                                                | - 32F                                                                                                              | - 40F                                                                                                              | - PP             | - N                    |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|------------------|------------------------|
| Elbow                                                                             | Barb 1 ID                                                                                                          | Barb 2 ID                                                                                                          | Material         | Color                  |
|  | 16 -1.6mm<br>24 -2.4mm<br>32 -3.2mm<br>40 -4.0mm<br>48 -4.8mm<br>64 -6.4mm<br>79 -7.9mm<br>95 -9.5mm<br>127-12.7mm | 16 -1.6mm<br>24 -2.4mm<br>32 -3.2mm<br>40 -4.0mm<br>48 -4.8mm<br>64 -6.4mm<br>79 -7.9mm<br>95 -9.5mm<br>127-12.7mm | PA -PA<br>PP -PP | N -Natural<br>W -White |

| Item Code | Model           | Barb 1 ID | Barb 2 ID | Material | Color   | Packaging  |
|-----------|-----------------|-----------|-----------|----------|---------|------------|
| 809633    | BL-16D-PA-W     | 1.6mm     | 1.6mm     | PA       | White   | 100pcs/pkg |
| 809632    | BL-16D-PP-N     | 1.6mm     | 1.6mm     | PP       | Natural | 100pcs/pkg |
| 809345    | BL-16F-PA-W     | 1.6mm     | 1.6mm     | PA       | White   | 100pcs/pkg |
| 809357    | BL-16F-PP-N     | 1.6mm     | 1.6mm     | PP       | Natural | 100pcs/pkg |
| 809639    | BL-16D-24D-PA-W | 1.6mm     | 2.4mm     | PA       | White   | 100pcs/pkg |
| 809638    | BL-16D-24D-PP-N | 1.6mm     | 2.4mm     | PP       | Natural | 100pcs/pkg |
| 809643    | BL-16D-32D-PA-W | 1.6mm     | 3.2mm     | PA       | White   | 100pcs/pkg |
| 809642    | BL-16D-32D-PP-N | 1.6mm     | 3.2mm     | PP       | Natural | 100pcs/pkg |
| 809635    | BL-24D-PA-W     | 2.4mm     | 2.4mm     | PA       | White   | 100pcs/pkg |
| 809634    | BL-24D-PP-N     | 2.4mm     | 2.4mm     | PP       | Natural | 100pcs/pkg |
| 809346    | BL-24F-PA-W     | 2.4mm     | 2.4mm     | PA       | White   | 100pcs/pkg |
| 809358    | BL-24F-PP-N     | 2.4mm     | 2.4mm     | PP       | Natural | 100pcs/pkg |
| 809641    | BL-24D-32D-PA-W | 2.4mm     | 3.2mm     | PA       | White   | 100pcs/pkg |
| 809640    | BL-24D-32D-PP-N | 2.4mm     | 3.2mm     | PP       | Natural | 100pcs/pkg |
| 809637    | BL-32D-PA-W     | 3.2mm     | 3.2mm     | PA       | White   | 100pcs/pkg |
| 809636    | BL-32D-PP-N     | 3.2mm     | 3.2mm     | PP       | Natural | 100pcs/pkg |
| 809347    | BL-32F-PA-W     | 3.2mm     | 3.2mm     | PA       | White   | 100pcs/pkg |
| 809359    | BL-32F-PP-N     | 3.2mm     | 3.2mm     | PP       | Natural | 100pcs/pkg |
| 809348    | BL-40F-PA-W     | 4.0mm     | 4.0mm     | PA       | White   | 100pcs/pkg |
| 809360    | BL-40F-PP-N     | 4.0mm     | 4.0mm     | PP       | Natural | 100pcs/pkg |
| 809349    | BL-64F-PA-W     | 6.4mm     | 6.4mm     | PA       | White   | 100pcs/pkg |
| 809361    | BL-64F-PP-N     | 6.4mm     | 6.4mm     | PP       | Natural | 100pcs/pkg |
| 809350    | BL-95D-PA-W     | 9.5mm     | 9.5mm     | PA       | White   | 100pcs/pkg |
| 809362    | BL-95D-PP-N     | 9.5mm     | 9.5mm     | PP       | Natural | 100pcs/pkg |
| 809645    | BL-127V-PP-N    | 12.7mm    | 12.7mm    | PP       | Natural | 100pcs/pkg |

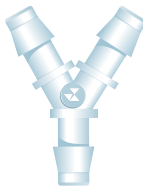
## BA/Straight Through

| BA                                                                                |                 | - 32F      | - 64F      | - PP             | - N                    |            |
|-----------------------------------------------------------------------------------|-----------------|------------|------------|------------------|------------------------|------------|
| Straight Through                                                                  |                 | Barb 1 ID  | Barb 2 ID  | Material         | Color                  |            |
|  |                 | 16 -1.6mm  | 16 -1.6mm  | PA -PA<br>PP -PP | N -Natural<br>W -White |            |
|                                                                                   |                 | 24 -2.4mm  | 24 -2.4mm  |                  |                        |            |
|                                                                                   |                 | 32 -3.2mm  | 32 -3.2mm  |                  |                        |            |
|                                                                                   |                 | 40 -4.0mm  | 40 -4.0mm  |                  |                        |            |
|                                                                                   |                 | 48 -4.8mm  | 48 -4.8mm  |                  |                        |            |
|                                                                                   |                 | 64 -6.4mm  | 64 -6.4mm  |                  |                        |            |
|                                                                                   |                 | 79 -7.9mm  | 79 -7.9mm  |                  |                        |            |
|                                                                                   |                 | 95 -9.5mm  | 95 -9.5mm  |                  |                        |            |
|                                                                                   |                 | 127-12.7mm | 127-12.7mm |                  |                        |            |
|                                                                                   |                 |            |            |                  |                        |            |
| Item Code                                                                         | Model           | Barb 1 ID  | Barb 2 ID  | Material         | Color                  | Packaging  |
| 809300                                                                            | BA-16C-PA-W     | 1.6mm      | 1.6mm      | PA               | White                  | 100pcs/pkg |
| 809547                                                                            | BA-16C-PP-N     | 1.6mm      | 1.6mm      | PP               | Natural                | 100pcs/pkg |
| 809321                                                                            | BA-16F-PA-W     | 1.6mm      | 1.6mm      | PA               | White                  | 100pcs/pkg |
| 809276                                                                            | BA-16F-PP-N     | 1.6mm      | 1.6mm      | PP               | Natural                | 100pcs/pkg |
| 809605                                                                            | BA-16D-24D-PA-W | 1.6mm      | 2.4mm      | PA               | White                  | 100pcs/pkg |
| 809604                                                                            | BA-16D-24D-PP-N | 1.6mm      | 2.4mm      | PP               | Natural                | 100pcs/pkg |
| 809322                                                                            | BA-16F-24F-PA-W | 1.6mm      | 2.4mm      | PA               | White                  | 100pcs/pkg |
| 809288                                                                            | BA-16F-24F-PP-N | 1.6mm      | 2.4mm      | PP               | Natural                | 100pcs/pkg |
| 809788                                                                            | BA-16F-24F-PV-N | 1.6mm      | 2.4mm      | PVDF             | Natural                | 100pcs/pkg |
| 809630                                                                            | BA-16D-32D-PA-W | 1.6mm      | 3.2mm      | PA               | White                  | 100pcs/pkg |
| 809629                                                                            | BA-16D-32D-PP-N | 1.6mm      | 3.2mm      | PP               | Natural                | 100pcs/pkg |
| 809332                                                                            | BA-16F-32F-PA-W | 1.6mm      | 3.2mm      | PA               | White                  | 100pcs/pkg |
| 809330                                                                            | BA-16F-32F-PP-N | 1.6mm      | 3.2mm      | PP               | Natural                | 100pcs/pkg |
| 809843                                                                            | BA-16V-40V-PA-W | 1.6mm      | 3.2mm      | PA               | White                  | 100pcs/pkg |
| 809854                                                                            | BA-16V-40V-PP-N | 1.6mm      | 3.2mm      | PP               | Natural                | 100pcs/pkg |
| 809626                                                                            | BA-24D-PA-W     | 2.4mm      | 2.4mm      | PA               | White                  | 100pcs/pkg |
| 809625                                                                            | BA-24D-PP-N     | 2.4mm      | 2.4mm      | PP               | Natural                | 100pcs/pkg |
| 809324                                                                            | BA-24F-PA-W     | 2.4mm      | 2.4mm      | PA               | White                  | 100pcs/pkg |
| 809277                                                                            | BA-24F-PP-N     | 2.4mm      | 2.4mm      | PP               | Natural                | 100pcs/pkg |
| 809607                                                                            | BA-24D-32D-PA-W | 2.4mm      | 3.2mm      | PA               | White                  | 100pcs/pkg |
| 809606                                                                            | BA-24D-32D-PP-N | 2.4mm      | 3.2mm      | PP               | Natural                | 100pcs/pkg |
| 809325                                                                            | BA-24F-32F-PA-W | 2.4mm      | 3.2mm      | PA               | White                  | 100pcs/pkg |
| 809289                                                                            | BA-24F-32F-PP-N | 2.4mm      | 3.2mm      | PP               | Natural                | 100pcs/pkg |
| 809377                                                                            | BA-24V-40V-PA-W | 2.4mm      | 4.0mm      | PA               | White                  | 100pcs/pkg |
| 809376                                                                            | BA-24V-40V-PP-N | 2.4mm      | 4.0mm      | PP               | Natural                | 100pcs/pkg |
| 809520                                                                            | BA-24C-48C-PA-W | 2.4mm      | 4.8mm      | PA               | White                  | 100pcs/pkg |
| 809519                                                                            | BA-24C-48C-PP-N | 2.4mm      | 4.8mm      | PP               | Natural                | 100pcs/pkg |
| 809628                                                                            | BA-32D-PA-W     | 3.2mm      | 3.2mm      | PA               | White                  | 100pcs/pkg |
| 809627                                                                            | BA-32D-PP-N     | 3.2mm      | 3.2mm      | PP               | Natural                | 100pcs/pkg |
| 809328                                                                            | BA-32F-PA-W     | 3.2mm      | 3.2mm      | PA               | White                  | 100pcs/pkg |
| 809278                                                                            | BA-32F-PP-N     | 3.2mm      | 3.2mm      | PP               | Natural                | 100pcs/pkg |
| 809375                                                                            | BA-32V-40V-PA-W | 3.2mm      | 4.0mm      | PA               | White                  | 100pcs/pkg |
| 809374                                                                            | BA-32V-40V-PP-N | 3.2mm      | 4.0mm      | PP               | Natural                | 100pcs/pkg |
| 809371                                                                            | BA-32C-64C-PA-W | 3.2mm      | 6.4mm      | PA               | White                  | 100pcs/pkg |
| 809370                                                                            | BA-32C-64C-PP-N | 3.2mm      | 6.4mm      | PP               | Natural                | 100pcs/pkg |
| 809329                                                                            | BA-40F-PA-W     | 4.0mm      | 4.0mm      | PA               | White                  | 100pcs/pkg |
| 809279                                                                            | BA-40F-PP-N     | 4.0mm      | 4.0mm      | PP               | Natural                | 100pcs/pkg |

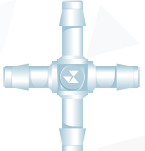
| BA                                                                                |                  | - 32F      | - 64F      | - PP     | - N        |            |  |
|-----------------------------------------------------------------------------------|------------------|------------|------------|----------|------------|------------|--|
| Straight Through                                                                  |                  | Barb 1 ID  | Barb 2 ID  | Material | Color      |            |  |
|  |                  | 16 -1.6mm  | 16 -1.6mm  | PA -PA   | N -Natural |            |  |
|                                                                                   |                  | 24 -2.4mm  | 24 -2.4mm  | PP -PP   | W -White   |            |  |
|                                                                                   |                  | 32 -3.2mm  | 32 -3.2mm  |          |            |            |  |
|                                                                                   |                  | 40 -4.0mm  | 40 -4.0mm  |          |            |            |  |
|                                                                                   |                  | 48 -4.8mm  | 48 -4.8mm  |          |            |            |  |
|                                                                                   |                  | 64 -6.4mm  | 64 -6.4mm  |          |            |            |  |
|                                                                                   |                  | 79 -7.9mm  | 79 -7.9mm  |          |            |            |  |
|                                                                                   |                  | 95 -9.5mm  | 95 -9.5mm  |          |            |            |  |
|                                                                                   |                  | 127-12.7mm | 127-12.7mm |          |            |            |  |
| Item Code                                                                         | Model            | Barb 1 ID  | Barb 2 ID  | Material | Color      | Packaging  |  |
| 809429                                                                            | BA-64X-127X-PA-W | 6.4mm      | 12.7mm     | PA       | White      | 100pcs/pkg |  |
| 809428                                                                            | BA-64X-127X-PP-N | 6.4mm      | 12.7mm     | PP       | Natural    | 100pcs/pkg |  |
| 809425                                                                            | BA-64C-PA-W      | 6.4mm      | 6.4mm      | PA       | White      | 100pcs/pkg |  |
| 809424                                                                            | BA-64C-PP-N      | 6.4mm      | 6.4mm      | PP       | Natural    | 100pcs/pkg |  |
| 809379                                                                            | BA-64V-79V-PA-W  | 6.4mm      | 7.9mm      | PA       | White      | 100pcs/pkg |  |
| 809378                                                                            | BA-64V-79V-PP-N  | 6.4mm      | 7.9mm      | PP       | Natural    | 100pcs/pkg |  |
| 809427                                                                            | BA-64V-95V-PA-W  | 6.4mm      | 9.5mm      | PA       | White      | 100pcs/pkg |  |
| 809426                                                                            | BA-64V-95V-PP-N  | 6.4mm      | 9.5mm      | PP       | Natural    | 100pcs/pkg |  |

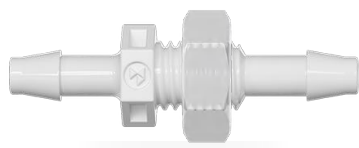
| BT                                                                                |                     | - 64F                                                                                                              | - 32F                                                                                                              | - 32F                                                                                                              | - PP             | - N                    |            |            |
|-----------------------------------------------------------------------------------|---------------------|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|------------------|------------------------|------------|------------|
|  | Tee                 | Barb 1 ID                                                                                                          | Barb 2 ID                                                                                                          | Barb 3 ID                                                                                                          | Material         | Color                  |            |            |
|                                                                                   |                     | 16 -1.6mm<br>24 -2.4mm<br>32 -3.2mm<br>40 -4.0mm<br>48 -4.8mm<br>64 -6.4mm<br>79 -7.9mm<br>95 -9.5mm<br>127-12.7mm | 16 -1.6mm<br>24 -2.4mm<br>32 -3.2mm<br>40 -4.0mm<br>48 -4.8mm<br>64 -6.4mm<br>79 -7.9mm<br>95 -9.5mm<br>127-12.7mm | 16 -1.6mm<br>24 -2.4mm<br>32 -3.2mm<br>40 -4.0mm<br>48 -4.8mm<br>64 -6.4mm<br>79 -7.9mm<br>95 -9.5mm<br>127-12.7mm | PA -PA<br>PP -PP | N -Natural<br>W -White |            |            |
|                                                                                   | Item Code           | Model                                                                                                              | Barb 1 ID                                                                                                          | Barb 2 ID                                                                                                          | Barb 3 ID        | Material               | Color      | Packaging  |
|                                                                                   | 809545              | BT-16D-PA-W                                                                                                        | 1.6mm                                                                                                              | 1.6mm                                                                                                              | 1.6mm            | PA                     | White      | 100pcs/pkg |
|                                                                                   | 809521              | BT-16D-PP-N                                                                                                        | 1.6mm                                                                                                              | 1.6mm                                                                                                              | 1.6mm            | PP                     | Natural    | 100pcs/pkg |
|                                                                                   | 809337              | BT-16F-PA-W                                                                                                        | 1.6mm                                                                                                              | 1.6mm                                                                                                              | 1.6mm            | PA                     | White      | 100pcs/pkg |
|                                                                                   | 809309              | BT-16F-PP-N                                                                                                        | 1.6mm                                                                                                              | 1.6mm                                                                                                              | 1.6mm            | PP                     | Natural    | 100pcs/pkg |
|                                                                                   | 809410              | BT-16D-24D-24D-PA-W                                                                                                | 1.6mm                                                                                                              | 2.4mm                                                                                                              | 2.4mm            | PA                     | Natural    | 100pcs/pkg |
|                                                                                   | 809287              | BT-16D-24D-24D-PP-N                                                                                                | 1.6mm                                                                                                              | 2.4mm                                                                                                              | 2.4mm            | PP                     | Natural    | 100pcs/pkg |
|                                                                                   | 809842              | BT-16D-32D-32D-PA-W                                                                                                | 1.6mm                                                                                                              | 3.2mm                                                                                                              | 3.2mm            | PA                     | White      | 100pcs/pkg |
| 809851                                                                            | BT-16D-32D-32D-PP-N | 1.6mm                                                                                                              | 3.2mm                                                                                                              | 3.2mm                                                                                                              | PP               | Natural                | 100pcs/pkg |            |
| 809611                                                                            | BT-24D-PA-W         | 2.4mm                                                                                                              | 2.4mm                                                                                                              | 2.4mm                                                                                                              | PA               | White                  | 100pcs/pkg |            |
| 809610                                                                            | BT-24D-PP-N         | 2.4mm                                                                                                              | 2.4mm                                                                                                              | 2.4mm                                                                                                              | PP               | Natural                | 100pcs/pkg |            |
| 809327                                                                            | BT-24F-PA-W         | 2.4mm                                                                                                              | 2.4mm                                                                                                              | 2.4mm                                                                                                              | PA               | White                  | 100pcs/pkg |            |
| 809310                                                                            | BT-24F-PP-N         | 2.4mm                                                                                                              | 2.4mm                                                                                                              | 2.4mm                                                                                                              | PP               | Natural                | 100pcs/pkg |            |
| 809447                                                                            | BT-24D-24D-16D-PA-W | 2.4mm                                                                                                              | 2.4mm                                                                                                              | 1.6mm                                                                                                              | PA               | Natural                | 100pcs/pkg |            |
| 809446                                                                            | BT-24D-24D-16D-PP-N | 2.4mm                                                                                                              | 2.4mm                                                                                                              | 1.6mm                                                                                                              | PP               | Natural                | 100pcs/pkg |            |
| 809453                                                                            | BT-24D-32D-32D-PA-W | 2.4mm                                                                                                              | 3.2mm                                                                                                              | 3.2mm                                                                                                              | PA               | White                  | 100pcs/pkg |            |
| 809452                                                                            | BT-24D-32D-32D-PP-N | 2.4mm                                                                                                              | 3.2mm                                                                                                              | 3.2mm                                                                                                              | PP               | Natural                | 100pcs/pkg |            |
| 809622                                                                            | BT-32D-PA-W         | 3.2mm                                                                                                              | 3.2mm                                                                                                              | 3.2mm                                                                                                              | PA               | White                  | 100pcs/pkg |            |
| 809621                                                                            | BT-32D-PP-N         | 3.2mm                                                                                                              | 3.2mm                                                                                                              | 3.2mm                                                                                                              | PP               | Natural                | 100pcs/pkg |            |
| 809338                                                                            | BT-32F-PA-W         | 3.2mm                                                                                                              | 3.2mm                                                                                                              | 3.2mm                                                                                                              | PA               | White                  | 100pcs/pkg |            |
| 809311                                                                            | BT-32F-PP-N         | 3.2mm                                                                                                              | 3.2mm                                                                                                              | 3.2mm                                                                                                              | PP               | Natural                | 100pcs/pkg |            |
| 809455                                                                            | BT-32D-16D-16D-PA-W | 3.2mm                                                                                                              | 1.6mm                                                                                                              | 1.6mm                                                                                                              | PA               | White                  | 100pcs/pkg |            |
| 809454                                                                            | BT-32D-16D-16D-PP-N | 3.2mm                                                                                                              | 1.6mm                                                                                                              | 1.6mm                                                                                                              | PP               | Natural                | 100pcs/pkg |            |
| 809457                                                                            | BT-32D-24D-24D-PA-W | 3.2mm                                                                                                              | 2.4mm                                                                                                              | 2.4mm                                                                                                              | PA               | White                  | 100pcs/pkg |            |
| 809456                                                                            | BT-32D-24D-24D-PP-N | 3.2mm                                                                                                              | 2.4mm                                                                                                              | 2.4mm                                                                                                              | PP               | Natural                | 100pcs/pkg |            |
| 809445                                                                            | BT-32D-32D-16D-PA-W | 3.2mm                                                                                                              | 3.2mm                                                                                                              | 1.6mm                                                                                                              | PA               | White                  | 100pcs/pkg |            |
| 809444                                                                            | BT-32D-32D-16D-PP-N | 3.2mm                                                                                                              | 3.2mm                                                                                                              | 1.6mm                                                                                                              | PP               | Natural                | 100pcs/pkg |            |
| 809449                                                                            | BT-32D-32D-24D-PA-W | 3.2mm                                                                                                              | 3.2mm                                                                                                              | 2.4mm                                                                                                              | PA               | White                  | 100pcs/pkg |            |
| 809448                                                                            | BT-32D-32D-24D-PP-N | 3.2mm                                                                                                              | 3.2mm                                                                                                              | 2.4mm                                                                                                              | PP               | Natural                | 100pcs/pkg |            |
| 809459                                                                            | BT-32D-64T-64T-PA-W | 3.2mm                                                                                                              | 6.4mm                                                                                                              | 6.4mm                                                                                                              | PA               | White                  | 100pcs/pkg |            |
| 809458                                                                            | BT-32D-64T-64T-PP-N | 3.2mm                                                                                                              | 6.4mm                                                                                                              | 6.4mm                                                                                                              | PP               | Natural                | 100pcs/pkg |            |
| 809439                                                                            | BT-40C-PA-W         | 4.0mm                                                                                                              | 4.0mm                                                                                                              | 4.0mm                                                                                                              | PA               | White                  | 100pcs/pkg |            |
| 809438                                                                            | BT-40C-PP-N         | 4.0mm                                                                                                              | 4.0mm                                                                                                              | 4.0mm                                                                                                              | PP               | Natural                | 100pcs/pkg |            |
| 809441                                                                            | BT-64C-PA-W         | 6.4mm                                                                                                              | 6.4mm                                                                                                              | 6.4mm                                                                                                              | PA               | White                  | 100pcs/pkg |            |
| 809440                                                                            | BT-64C-PP-N         | 6.4mm                                                                                                              | 6.4mm                                                                                                              | 6.4mm                                                                                                              | PP               | Natural                | 100pcs/pkg |            |
| 809451                                                                            | BT-64D-64D-32D-PA-W | 6.4mm                                                                                                              | 6.4mm                                                                                                              | 3.2mm                                                                                                              | PA               | White                  | 100pcs/pkg |            |
| 809450                                                                            | BT-64D-64D-32D-PP-N | 6.4mm                                                                                                              | 6.4mm                                                                                                              | 3.2mm                                                                                                              | PP               | Natural                | 100pcs/pkg |            |
| 809461                                                                            | BT-64V-95V-95V-PA-W | 6.4mm                                                                                                              | 9.5mm                                                                                                              | 9.5mm                                                                                                              | PA               | White                  | 100pcs/pkg |            |
| 809460                                                                            | BT-64V-95V-95V-PP-N | 6.4mm                                                                                                              | 9.5mm                                                                                                              | 9.5mm                                                                                                              | PP               | Natural                | 100pcs/pkg |            |
| 809443                                                                            | BT-95X-PA-W         | 9.5mm                                                                                                              | 9.5mm                                                                                                              | 9.5mm                                                                                                              | PA               | White                  | 100pcs/pkg |            |
| 809442                                                                            | BT-95X-PP-N         | 9.5mm                                                                                                              | 9.5mm                                                                                                              | 9.5mm                                                                                                              | PP               | Natural                | 100pcs/pkg |            |
| 809644                                                                            | BT-127V-PP-N        | 12.7mm                                                                                                             | 12.7mm                                                                                                             | 12.7mm                                                                                                             | PP               | Natural                | 100pcs/pkg |            |

BY/Y

| BY                                                                                |                     | - 64F                                                                                                              | - 32F                                                                                                              | - 32F                                                                                                              | - PP             | - N                    |            |
|-----------------------------------------------------------------------------------|---------------------|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|------------------|------------------------|------------|
| Y                                                                                 |                     | Barb 1 ID                                                                                                          | Barb 2 ID                                                                                                          | Barb 3 ID                                                                                                          | Material         | Color                  |            |
|  |                     | 16 -1.6mm<br>24 -2.4mm<br>32 -3.2mm<br>40 -4.0mm<br>48 -4.8mm<br>64 -6.4mm<br>79 -7.9mm<br>95 -9.5mm<br>127-12.7mm | 16 -1.6mm<br>24 -2.4mm<br>32 -3.2mm<br>40 -4.0mm<br>48 -4.8mm<br>64 -6.4mm<br>79 -7.9mm<br>95 -9.5mm<br>127-12.7mm | 16 -1.6mm<br>24 -2.4mm<br>32 -3.2mm<br>40 -4.0mm<br>48 -4.8mm<br>64 -6.4mm<br>79 -7.9mm<br>95 -9.5mm<br>127-12.7mm | PA -PA<br>PP -PP | N -Natural<br>W -White |            |
| Item Code                                                                         | Model               | Barb 1 ID                                                                                                          | Barb 2 ID                                                                                                          | Barb 3 ID                                                                                                          | Material         | Color                  | Packaging  |
| 809624                                                                            | BY-16D-PA-W         | 1.6mm                                                                                                              | 1.6mm                                                                                                              | 1.6mm                                                                                                              | PA               | White                  | 100pcs/pkg |
| 809623                                                                            | BY-16D-PP-N         | 1.6mm                                                                                                              | 1.6mm                                                                                                              | 1.6mm                                                                                                              | PP               | Natural                | 100pcs/pkg |
| 809334                                                                            | BY-16F-PA-W         | 1.6mm                                                                                                              | 1.6mm                                                                                                              | 1.6mm                                                                                                              | PA               | White                  | 100pcs/pkg |
| 809294                                                                            | BY-16F-PP-N         | 1.6mm                                                                                                              | 1.6mm                                                                                                              | 1.6mm                                                                                                              | PP               | Natural                | 100pcs/pkg |
| 809609                                                                            | BY-24D-PA-W         | 2.4mm                                                                                                              | 2.4mm                                                                                                              | 2.4mm                                                                                                              | PA               | White                  | 100pcs/pkg |
| 809608                                                                            | BY-24D-PP-N         | 2.4mm                                                                                                              | 2.4mm                                                                                                              | 2.4mm                                                                                                              | PP               | Natural                | 100pcs/pkg |
| 809326                                                                            | BY-24F-PA-W         | 2.4mm                                                                                                              | 2.4mm                                                                                                              | 2.4mm                                                                                                              | PA               | White                  | 100pcs/pkg |
| 809295                                                                            | BY-24F-PP-N         | 2.4mm                                                                                                              | 2.4mm                                                                                                              | 2.4mm                                                                                                              | PP               | Natural                | 100pcs/pkg |
| 809431                                                                            | BY-32D-PA-W         | 3.2mm                                                                                                              | 3.2mm                                                                                                              | 3.2mm                                                                                                              | PA               | White                  | 100pcs/pkg |
| 809430                                                                            | BY-32D-PP-N         | 3.2mm                                                                                                              | 3.2mm                                                                                                              | 3.2mm                                                                                                              | PP               | Natural                | 100pcs/pkg |
| 809335                                                                            | BY-32F-PA-W         | 3.2mm                                                                                                              | 3.2mm                                                                                                              | 3.2mm                                                                                                              | PA               | White                  | 100pcs/pkg |
| 809296                                                                            | BY-32F-PP-N         | 3.2mm                                                                                                              | 3.2mm                                                                                                              | 3.2mm                                                                                                              | PP               | Natural                | 100pcs/pkg |
| 809381                                                                            | BY-24D-16D-16D-PA-W | 2.4mm                                                                                                              | 1.6mm                                                                                                              | 1.6mm                                                                                                              | PA               | White                  | 100pcs/pkg |
| 809380                                                                            | BY-24D-16D-16D-PP-N | 2.4mm                                                                                                              | 1.6mm                                                                                                              | 1.6mm                                                                                                              | PP               | Natural                | 100pcs/pkg |
| 809435                                                                            | BY-32D-16D-16D-PA-W | 3.2mm                                                                                                              | 1.6mm                                                                                                              | 1.6mm                                                                                                              | PA               | White                  | 100pcs/pkg |
| 809434                                                                            | BY-32D-16D-16D-PP-N | 3.2mm                                                                                                              | 1.6mm                                                                                                              | 1.6mm                                                                                                              | PP               | Natural                | 100pcs/pkg |
| 809369                                                                            | BY-40D-PA-W         | 4.0mm                                                                                                              | 4.0mm                                                                                                              | 4.0mm                                                                                                              | PA               | White                  | 100pcs/pkg |
| 809297                                                                            | BY-40D-PP-N         | 4.0mm                                                                                                              | 4.0mm                                                                                                              | 4.0mm                                                                                                              | PP               | Natural                | 100pcs/pkg |
| 809343                                                                            | BY-48F-PA-W         | 4.8mm                                                                                                              | 4.8mm                                                                                                              | 4.8mm                                                                                                              | PA               | White                  | 100pcs/pkg |
| 809341                                                                            | BY-48F-PP-N         | 4.8mm                                                                                                              | 4.8mm                                                                                                              | 4.8mm                                                                                                              | PP               | Natural                | 100pcs/pkg |
| 809336                                                                            | BY-64F-PA-W         | 6.4mm                                                                                                              | 6.4mm                                                                                                              | 6.4mm                                                                                                              | PA               | White                  | 100pcs/pkg |
| 809298                                                                            | BY-64F-PP-N         | 6.4mm                                                                                                              | 6.4mm                                                                                                              | 6.4mm                                                                                                              | PP               | Natural                | 100pcs/pkg |
| 809437                                                                            | BY-64D-32D-32D-PA-W | 6.4mm                                                                                                              | 3.2mm                                                                                                              | 3.2mm                                                                                                              | PA               | White                  | 100pcs/pkg |
| 809436                                                                            | BY-64D-32D-32D-PP-N | 6.4mm                                                                                                              | 3.2mm                                                                                                              | 3.2mm                                                                                                              | PP               | Natural                | 100pcs/pkg |
| 809433                                                                            | BY-95X-PA-W         | 9.5mm                                                                                                              | 9.5mm                                                                                                              | 9.5mm                                                                                                              | PA               | White                  | 100pcs/pkg |
| 809432                                                                            | BY-95X-PP-N         | 9.5mm                                                                                                              | 9.5mm                                                                                                              | 9.5mm                                                                                                              | PP               | Natural                | 100pcs/pkg |
| 809646                                                                            | BY-127V-PP-N        | 12.7mm                                                                                                             | 12.7mm                                                                                                             | 12.7mm                                                                                                             | PP               | Natural                | 100pcs/pkg |

## BF4/ Multiport

| B                                                                                 | F4                    | - 32                                                          | - PP     | - N        |            |
|-----------------------------------------------------------------------------------|-----------------------|---------------------------------------------------------------|----------|------------|------------|
| Multiport                                                                         | Model                 | ID                                                            | Material | Color      |            |
|  | F4 -π<br>X4 -Crossing | 16 -1.6mm<br>24 -2.4mm<br>32 -3.2mm<br>40 -4.0mm<br>48 -4.8mm | PP -PP   | N -Natural |            |
| Item Code                                                                         | Model                 | ID                                                            | Material | Color      | Packaging  |
| 806224                                                                            | BF4-16-PP-N           | 1.6mm                                                         | PP       | Natural    | 100pcs/pkg |
| 806055                                                                            | BF4-24-PP-N           | 2.4mm                                                         | PP       | Natural    | 100pcs/pkg |
| 806189                                                                            | BF4-32-PP-N           | 3.2mm                                                         | PP       | Natural    | 100pcs/pkg |
| 806191                                                                            | BF4-48-PP-N           | 4.8mm                                                         | PP       | Natural    | 100pcs/pkg |
| 806220                                                                            | BX4-16-PP-N           | 1.6mm                                                         | PP       | Natural    | 100pcs/pkg |
| 806192                                                                            | BX4-24-PP-N           | 2.4mm                                                         | PP       | Natural    | 100pcs/pkg |
| 806221                                                                            | BX4-32-PP-N           | 3.2mm                                                         | PP       | Natural    | 100pcs/pkg |



### ⚠ Precautions

1. The sealing performance depends on the tight fit between the fitting, hose, and panel. Ensure all connections are clean, undamaged, and properly installed.

2. When installing the PMB fitting on the panel, ensure sufficient space for operation and tool access.

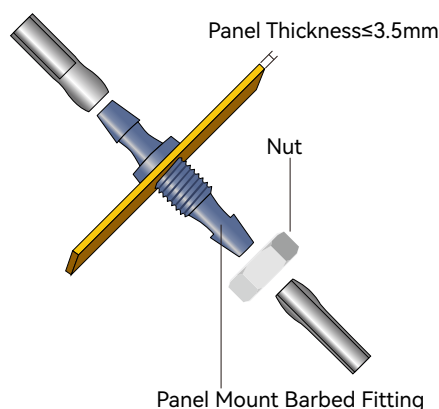
### 💡 Assembly Tips: PMB

1. Ensure the through-panel hole is 6.5–7.5mm in diameter ( $\pm 0.1$ mm tolerance) with no burrs or scratches.

2. After passing the fitting through the panel hole, secure it with a hex nut. Tighten manually, then turn an additional 1/8 circle with a wrench.

3. Insert the hose vertically into the barbed end to fully embed the barbs in the tube wall.

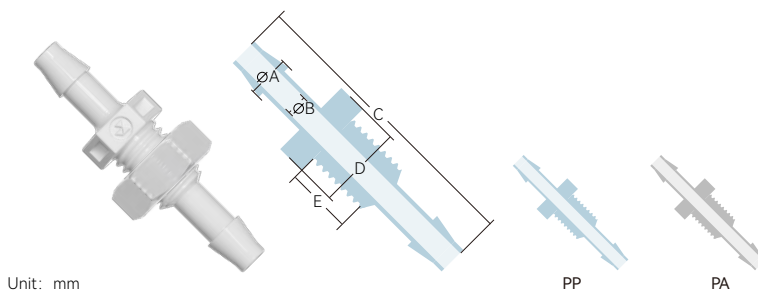
4. After assembly, perform a pressure test to check for leaks between the fitting/panel and hose/barbs.



# Panel Mount Barbed Fittings

- Hose-to-hose integrated panel-mount structure ensures reliable fitting fixation;
- Anti-rotation locating holes fix the fitting firmly to the equipment housing;
- Tube fittings in 1.6mm, 2.4mm, and 3.2mm sizes fit 1/4–28UNF threaded ports;
- Materials: PP or nylon;
- Colors: white or natural;
- REACH, RoHS, and MSDS reports are available.

## PMB/Panel Mount Barbed Fitting



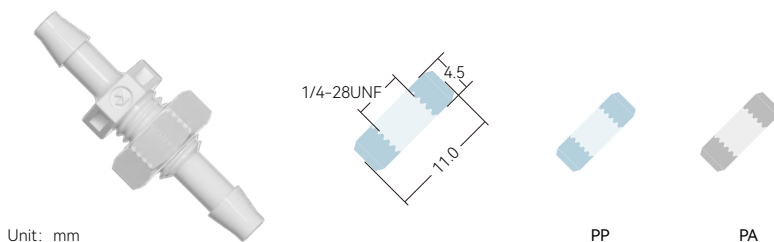
Unit: mm

### • PMB/Panel Mount Barbed Fitting

Compatible with 1.6–3.2mm ID  
1/4–28UNF Thread

| Model       | ID  | A   | B   | C    | D   | E   |
|-------------|-----|-----|-----|------|-----|-----|
| PMB-U28-16D | 1.6 | 2.4 | 1.2 | 21.0 | 7.8 | 6.9 |
| PMB-U28-24D | 2.4 | 3.5 | 1.7 | 25.0 | 7.8 | 8.0 |
| PMB-U28-32D | 3.2 | 4.5 | 2.4 | 31.0 | 7.8 | 8.0 |

## PMBSN/Hex Nut

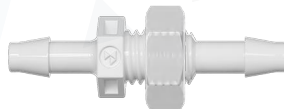


Unit: mm

### • PMBSN/Hex Nut

Compatible with 1.6–3.2mm Panel Mount Barbed Fitting  
1/4–28UNF Thread

## PMB/Panel Mount Barbed Fitting

| PMB                                                                               |                  | - U28         | - 32                                | - PP             | - N                   |            |
|-----------------------------------------------------------------------------------|------------------|---------------|-------------------------------------|------------------|-----------------------|------------|
| Panel Mount Barbed Fitting                                                        |                  | Thread        | ID                                  | Material         | Color                 |            |
|  |                  | U28-1/4-28UNF | 16 -1.6mm<br>24 -2.4mm<br>32 -3.2mm | PP -PP<br>PA -PA | N -Natural<br>W-White |            |
| Item Code                                                                         | Model            | Thread        | ID                                  | Material         | Color                 | Packaging  |
| 809517                                                                            | PMB-U28-16D-PA-W | 1/4-28UNF     | 1.6mm                               | PA               | White                 | 100pcs/pkg |
| 809304                                                                            | PMB-U28-16D-PP-N | 1/4-28UNF     | 1.6mm                               | PP               | Natural               | 100pcs/pkg |
| 809496                                                                            | PMB-U28-24D-PA-W | 1/4-28UNF     | 2.4mm                               | PA               | White                 | 100pcs/pkg |
| 809462                                                                            | PMB-U28-24D-PP-N | 1/4-28UNF     | 2.4mm                               | PP               | Natural               | 100pcs/pkg |
| 809497                                                                            | PMB-U28-32D-PA-W | 1/4-28UNF     | 3.2mm                               | PA               | White                 | 100pcs/pkg |
| 809463                                                                            | PMB-U28-32D-PP-N | 1/4-28UNF     | 3.2mm                               | PP               | Natural               | 100pcs/pkg |

## PMBSN/Hex Nut

| PMBSN                                                                               |                | - U28            | - PP                  | - N     |            |
|-------------------------------------------------------------------------------------|----------------|------------------|-----------------------|---------|------------|
| Hex Nut                                                                             | Thread         | Material         | Color                 |         |            |
|  | U28 -1/4-28UNF | PP -PP<br>PA -PA | N -Natural<br>W-White |         |            |
| Item Code                                                                           | Model          | Thread           | Material              | Color   | Packaging  |
| 809498                                                                              | PMBSN-U28-PA-W | 1/4-28UNF        | PA                    | White   | 100pcs/pkg |
| 809464                                                                              | PMBSN-U28-PP-N | 1/4-28UNF        | PP                    | Natural | 100pcs/pkg |



# Thread to Barbed Fittings

- Available in SA and SB types;
- SA fittings seal via thread engagement, requiring PTFE tape/thread sealant;
- Shapes: straight and elbow;
- SB fittings have a step plane at thread bottom for face-to-face sealing via thread compression, enabling easy connection of flexible tubing to any 1/4-28UNF flanged face seal fitting, simply screw into port and slide tubing onto barbed stem for reliable connection;
- Soft tubing ID options: 1.6, 2.4, 3.2, 4.0, 4.8, 6.4, 7.9, 9.5, 12.7mm, used with PTFE tape/thread sealant;
- Thread options: 10-32UNF, 1/4-28UNF, 1/8-27NPT, 1/4-18NPT, G1/8;
- Materials: PP, PA, POM, PVDF; Colors: Natural, Black, White;
- REACH, RoHS, MSDS reports available.

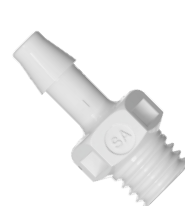
## ⓘ Precautions

1. Regularly inspect for looseness at the threaded connection and for hose aging at the barbed end.
2. For threaded end leakage: Re-clean and re-apply sealant, then tighten to the standard torque.
3. For barbed end leakage: Replace the hose or use a larger barbed fitting.

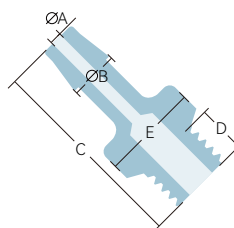
## 💡 Assembly Tips

1. Bottom-face sealing: Flat-bottom thread sealing. Ensure the thread end face and mating surface are clean and free of impurities. Avoid using PTFE tape or thread sealant.
2. Thread sealing: Wrap PTFE tape or apply compatible thread sealant between threads. The wrapping direction should match the thread direction.
3. Cut the hose end flat.
4. Push vertically into the barbed end to prevent barb wear from repeated plugging and unplugging.
5. Plastic threads (PP/PA/POM): Tighten to the torque in the manual:  $0.25-0.3N \cdot m (\pm 0.05)$ .
6. Metal threads (e.g: 1/4-28UNF): A higher torque is acceptable.

### SA/Thread Seal Thread to Barbed



Unit: mm



PP



PA

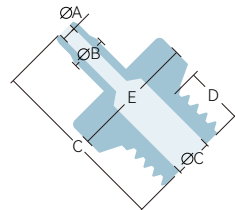
### • C/D/V/X Thread to Barbed

Compatible with 1.6-9.5mm ID  
1/4-28UNF, 1/8-27NPT, 1/4-18NPT Thread

| Model         | ID  | A   | B    | C    | D    | E    |
|---------------|-----|-----|------|------|------|------|
| SA-U28-16D    | 1.6 | 1.1 | 2.4  | 13.8 | 4.2  | 7.8  |
| SA-U28-24D    | 2.4 | 1.7 | 3.5  | 16.1 | 4.2  | 7.8  |
| SA-U28-32D    | 3.2 | 2.4 | 4.5  | 18.5 | 4.2  | 7.8  |
| SA-U28-40D    | 4.0 | 3.0 | 5.7  | 19.8 | 4.2  | 7.8  |
| SA-U28-48D    | 4.8 | 3.2 | 7.0  | 23.8 | 4.2  | 7.8  |
| SA-1/8NPT-24C | 2.4 | 1.7 | 3.5  | 22.3 | 9.0  | 11.1 |
| SA-1/8NPT-32C | 3.2 | 2.4 | 4.5  | 24.3 | 9.0  | 11.1 |
| SA-1/8NPT-40C | 4.0 | 3.0 | 5.7  | 24.8 | 9.0  | 11.1 |
| SA-1/8NPT-48C | 4.8 | 3.0 | 7.0  | 28.8 | 9.0  | 11.1 |
| SA-1/8NPT-64C | 6.4 | 4.7 | 8.5  | 31.8 | 9.0  | 11.1 |
| SA-1/4NPT-32D | 3.2 | 2.4 | 4.5  | 31.5 | 15.0 | 14.3 |
| SA-1/4NPT-64D | 6.4 | 4.7 | 8.5  | 39.0 | 15.0 | 14.3 |
| SA-1/4NPT-95D | 9.5 | 7.0 | 11.5 | 45.0 | 15.0 | 14.3 |



Unit: mm



PP



PA

### • F Thread to Barbed

Compatible with 1.6-9.5mm ID  
10-32UNF Thread

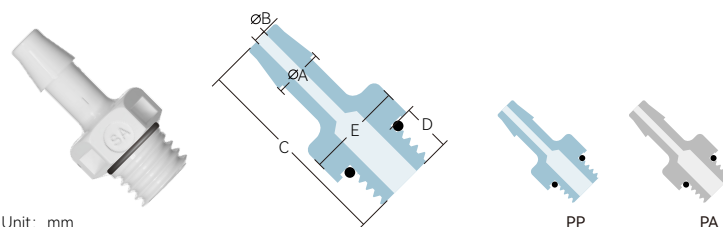
| Model      | ID  | A   | B   | C    | D   | E    |
|------------|-----|-----|-----|------|-----|------|
| SA-U32-16F | 1.6 | 1.1 | 2.0 | 10.5 | 3.3 | 6.35 |
| SA-U32-24F | 2.4 | 1.7 | 3.0 | 12.7 | 3.3 | 6.35 |
| SA-U32-32F | 3.2 | 2.4 | 4.0 | 15.0 | 3.3 | 6.35 |

## ⓘ Precautions

1. Regularly inspect for looseness at the threaded connection and for hose aging at the barbed end.
2. For threaded end leakage: Re-clean and re-apply sealant, then tighten to the standard torque.
3. For barbed end leakage: Replace the hose or use a larger barbed fitting.

## 💡 Assembly Tips

1. Bottom-face sealing: Flat-bottom thread sealing. Ensure the thread end face and mating surface are clean and free of impurities. Avoid using PTFE tape or thread sealant.
2. Thread sealing: Wrap PTFE tape or apply compatible thread sealant between threads. The wrapping direction should match the thread direction.
3. Cut the hose end flat.
4. Push vertically into the barbed end to prevent barb wear from repeated plugging and unplugging.
5. Plastic threads (PP/PA/POM): Tighten to the torque in the manual:  $0.25-0.3N \cdot m (\pm 0.05)$ .
6. Metal threads (e.g.: 1/4-28UNF): A higher torque is acceptable.



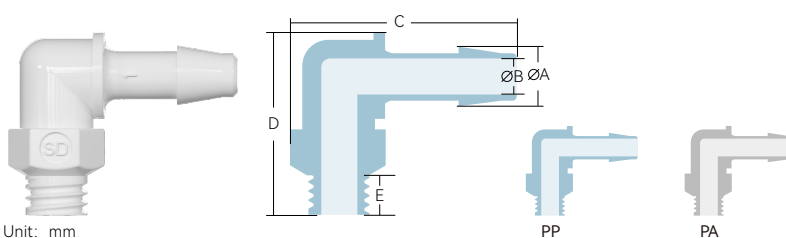
Unit: mm

### • Thread Seal Thread to Barbed

Compatible with 4.0-6.4mm ID  
G1/8 Thread

| Model      | ID  | A   | B   | C    | D   | E    |
|------------|-----|-----|-----|------|-----|------|
| SA-G1/8-40 | 4   | 5.5 | 2.6 | 25.0 | 7.0 | 13.0 |
| SA-G1/8-64 | 6.4 | 8.5 | 4.7 | 30.0 | 7.0 | 13.0 |

## SAL/Thread Seal Elbow Thread to Barbed



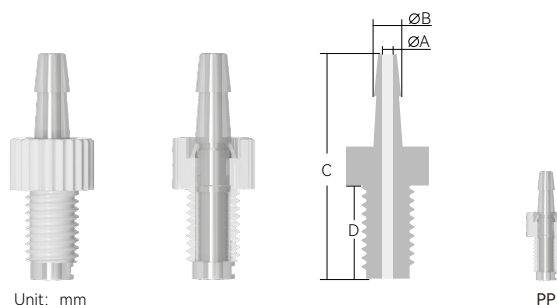
Unit: mm

### • Thread Seal Thread to Barbed

Compatible with 1.6-9.5mm ID  
1/4-28UNF、10-32UNF、1/8-27NPT Thread

| Model          | ID  | A   | B   | C     | D     | E   |
|----------------|-----|-----|-----|-------|-------|-----|
| SAL-U28-16D    | 1.6 | 2.4 | 1.1 | 11.7  | 14.9  | 5.0 |
| SAL-U28-32D    | 2.4 | 3.5 | 2.4 | 17.3  | 14.5  | 5.0 |
| SAL-U32-16D    | 1.6 | 2.4 | 1.1 | 10.98 | 10.05 | 3.0 |
| SAL-U32-32D    | 3.2 | 4.5 | 2.4 | 16.78 | 11.7  | 3.0 |
| SAL-1/8NPT-64D | 6.4 | 8.5 | 4.7 | 28.25 | 23.15 | 9.0 |

## SBR/Rotary Straight Through Thread to Barbed



Unit: mm

### • Rotary Straight Through Thread to Barbed

Compatible with 1.6-3.2mm ID  
1/4-28UNF Thread

| Model      | ID  | A    | B   | C    | D    |
|------------|-----|------|-----|------|------|
| SBR-U28-16 | 1.6 | 1.08 | 2.7 | 26.4 | 10.5 |
| SBR-U28-24 | 2.4 | 1.5  | 3.5 | 26.4 | 10.5 |
| SBR-U28-32 | 3.2 | 2.0  | 4.2 | 26.4 | 10.5 |

## Related Products

1. Use with torque screwdrivers for precision torque adjustment, enabling controlled fitting assembly/disassembly



| Item Code | Compatible Bit       |
|-----------|----------------------|
| 956002    | All torque bit heads |



| Item Code | Compatible Fitting            |
|-----------|-------------------------------|
| 959006    | HNF/Standard Ferrule Fittings |



| Item Code | Compatible Fitting                           |
|-----------|----------------------------------------------|
| 959006    | SBR/Rotary Straight Through Thread to Barbed |

2. Use with electric screwdrivers for rapid fitting assembly/disassembly.



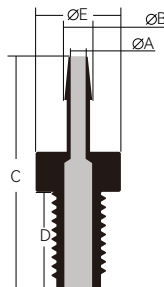
| Item Code | Compatible Fitting                           |
|-----------|----------------------------------------------|
| 959005    | SBR/Rotary Straight Through Thread to Barbed |

3. Refer to P104 for torque vs. electric screwdriver performance comparison.

## SB/Bottom - Face Sealing Thread to Barbed



Unit: mm



POM



PP



PA



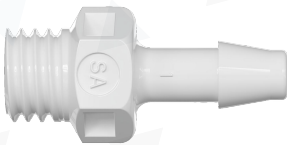
PVDF

### Bottom - Face Sealing Thread to Barbed

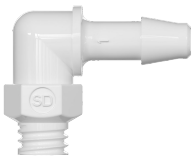
Compatible with 1.6-9.5mm ID  
M6x1, M5x0.8, 1/4-28UNF Thread

| Model      | ID  | A    | B   | C    | D    | E    |
|------------|-----|------|-----|------|------|------|
| SB-M5-16D  | 1.6 | 1.1  | 2.4 | 13.2 | 4.7  | 6.35 |
| SB-M5-24D  | 2.4 | 1.7  | 3.5 | 15.5 | 4.7  | 6.35 |
| SB-M5-32D  | 3.2 | 2.4  | 4.5 | 18.2 | 4.7  | 6.35 |
| SB-M5-40D  | 4.0 | 2.4  | 5.7 | 19.2 | 4.7  | 6.35 |
| SB-M6-16   | 1.6 | 1.08 | 2.9 | 24.0 | 10.0 | 7.8  |
| SB-M6-24   | 2.4 | 1.53 | 3.5 | 24.0 | 10.0 | 7.8  |
| SB-M6-32   | 3.2 | 2.55 | 4.5 | 26.0 | 10.0 | 7.8  |
| SB-M6-40   | 4.0 | 2.55 | 5.2 | 26.0 | 10.0 | 7.8  |
| SB-U28-16  | 1.6 | 1.08 | 2.9 | 24.0 | 10.0 | 7.8  |
| SB-U28-24  | 2.4 | 1.5  | 3.5 | 24.0 | 10.0 | 7.8  |
| SB-U28-32  | 3.2 | 2.55 | 4.5 | 26.0 | 10.0 | 7.8  |
| SB-U28-40  | 4.0 | 2.55 | 5.2 | 26.0 | 10.0 | 7.8  |
| SBS-M6-24D | 2.4 | 1.8  | 3.5 | 19.0 | 7.0  | 7.8  |
| SBS-M6-32D | 3.2 | 2.4  | 4.5 | 21.7 | 7.0  | 7.8  |

## SA/Thread Seal Thread to Barbed

| SA                                                                                | L                              | - U32                                                                                 | - 16D                                                                                                | - PP             | - N                   |
|-----------------------------------------------------------------------------------|--------------------------------|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|------------------|-----------------------|
| Thread Seal Thread to Barbed                                                      | Type                           | Thread                                                                                | ID                                                                                                   | Material         | Color                 |
|  | / -Straight Through<br>L-Elbow | U32 -10-32UNF<br>U28 -1/4-28UNF<br>1/8NPT-1/8-27NPT<br>1/4NPT-1/4-18NPT<br>G1/8 -G1/8 | 16 -1.6mm<br>24 -2.4mm<br>32 -3.2mm<br>40 -4.0mm<br>48 -4.8mm<br>64 -6.4mm<br>79 -7.9mm<br>95 -9.5mm | PA -PA<br>PP -PP | N -Natural<br>W-White |

| Item Code | Model              | Type             | Barb 2 ID          | Barb 3 ID | Material | Color   | Packaging  |
|-----------|--------------------|------------------|--------------------|-----------|----------|---------|------------|
| 809476    | SA-1/4NPT-32D-PP-N | Straight Through | 1/4-18NPT          | 3.2mm     | PP       | Natural | 100pcs/pkg |
| 809509    | SA-1/4NPT-64D-PA-W | Straight Through | 1/4-18NPT          | 6.4mm     | PA       | White   | 100pcs/pkg |
| 809477    | SA-1/4NPT-64D-PP-N | Straight Through | 1/4-18NPT          | 6.4mm     | PP       | Natural | 100pcs/pkg |
| 809510    | SA-1/4NPT-95D-PA-W | Straight Through | 1/4-18NPT          | 9.5mm     | PA       | White   | 100pcs/pkg |
| 809478    | SA-1/4NPT-95D-PP-N | Straight Through | 1/4-18NPT          | 9.5mm     | PP       | Natural | 100pcs/pkg |
| 809465    | SA-U28-16D-PP-N    | Straight Through | 1/4-28UNF          | 1.6mm     | PP       | Natural | 100pcs/pkg |
| 809494    | SA-U28-24D-PA-W    | Straight Through | 1/4-28UNF          | 2.4mm     | PA       | White   | 100pcs/pkg |
| 809466    | SA-U28-24D-PP-N    | Straight Through | 1/4-28UNF          | 2.4mm     | PP       | Natural | 100pcs/pkg |
| 809500    | SA-U28-32D-PA-W    | Straight Through | 1/4-28UNF          | 3.2mm     | PA       | White   | 100pcs/pkg |
| 809467    | SA-U28-32D-PP-N    | Straight Through | 1/4-28UNF          | 3.2mm     | PP       | Natural | 100pcs/pkg |
| 809495    | SA-U28-40D-PA-W    | Straight Through | 1/4-28UNF          | 4.0mm     | PA       | White   | 100pcs/pkg |
| 809468    | SA-U28-40D-PP-N    | Straight Through | 1/4-28UNF          | 4.0mm     | PP       | Natural | 100pcs/pkg |
| 809501    | SA-U28-48D-PA-W    | Straight Through | 1/4-28UNF          | 4.8mm     | PA       | White   | 100pcs/pkg |
| 809469    | SA-U28-48D-PP-N    | Straight Through | 1/4-28UNF          | 4.8mm     | PP       | Natural | 100pcs/pkg |
| 809339    | SA-U32-16F-PA-W    | Straight Through | 10-32UNF           | 1.6mm     | PA       | White   | 100pcs/pkg |
| 809267    | SA-U32-16F-PP-N    | Straight Through | 10-32UNF           | 1.6mm     | PP       | Natural | 100pcs/pkg |
| 809323    | SA-U32-24F-PA-W    | Straight Through | 10-32UNF           | 2.4mm     | PA       | White   | 100pcs/pkg |
| 809268    | SA-U32-24F-PP-N    | Straight Through | 10-32UNF           | 2.4mm     | PP       | Natural | 100pcs/pkg |
| 809340    | SA-U32-32F-PA-W    | Straight Through | 10-32UNF           | 3.2mm     | PA       | White   | 100pcs/pkg |
| 809269    | SA-U32-32F-PP-N    | Straight Through | 10-32UNF           | 3.2mm     | PP       | Natural | 100pcs/pkg |
| 809847    | SA-X32-24D-PA-W    | Straight Through | 3.4 Tapered Thread | 2.4mm     | PA       | White   | 100pcs/pkg |
| 809836    | SA-X32-24D-PP-N    | Straight Through | 3.4 Tapered Thread | 2.4mm     | PP       | Natural | 100pcs/pkg |
| 809835    | SA-X32-32D-PA-W    | Straight Through | 3.4 Tapered Thread | 3.2mm     | PA       | White   | 100pcs/pkg |
| 809848    | SA-X32-32D-PP-N    | Straight Through | 3.4 Tapered Thread | 3.2mm     | PP       | Natural | 100pcs/pkg |
| 809502    | SA-1/8NPT-24C-PA-W | Straight Through | 1/8-27NPT          | 2.4mm     | PA       | White   | 100pcs/pkg |
| 809470    | SA-1/8NPT-24C-PP-N | Straight Through | 1/8-27NPT          | 2.4mm     | PP       | Natural | 100pcs/pkg |
| 809503    | SA-1/8NPT-32C-PA-W | Straight Through | 1/8-27NPT          | 3.2mm     | PA       | White   | 100pcs/pkg |
| 809471    | SA-1/8NPT-32C-PP-N | Straight Through | 1/8-27NPT          | 3.2mm     | PP       | Natural | 100pcs/pkg |
| 809504    | SA-1/8NPT-40C-PA-W | Straight Through | 1/8-27NPT          | 4.0mm     | PA       | White   | 100pcs/pkg |
| 809472    | SA-1/8NPT-40C-PP-N | Straight Through | 1/8-27NPT          | 4.0mm     | PP       | Natural | 100pcs/pkg |
| 809505    | SA-1/8NPT-48C-PA-W | Straight Through | 1/8-27NPT          | 4.8mm     | PA       | White   | 100pcs/pkg |
| 809473    | SA-1/8NPT-48C-PP-N | Straight Through | 1/8-27NPT          | 4.8mm     | PP       | Natural | 100pcs/pkg |
| 809506    | SA-1/8NPT-64C-PA-W | Straight Through | 1/8-27NPT          | 6.4mm     | PA       | White   | 100pcs/pkg |
| 809474    | SA-1/8NPT-64C-PP-N | Straight Through | 1/8-27NPT          | 6.4mm     | PP       | Natural | 100pcs/pkg |

| SA                                                                                | L                              | - U32                                                                                 | - 16D                                                                                                | - PP                          | - N                    |
|-----------------------------------------------------------------------------------|--------------------------------|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|-------------------------------|------------------------|
| Thread Seal Elbow Thread to Barbed                                                | Type                           | Thread                                                                                | ID                                                                                                   | Material                      | Color                  |
|  | / -Straight Through<br>L-Elbow | U32 -10-32UNF<br>U28 -1/4-28UNF<br>1/8NPT-1/8-27NPT<br>1/4NPT-1/4-18NPT<br>G1/8 -G1/8 | 16 -1.6mm<br>24 -2.4mm<br>32 -3.2mm<br>40 -4.0mm<br>48 -4.8mm<br>64 -6.4mm<br>79 -7.9mm<br>95 -9.5mm | PA - PA<br>PP -PP<br>PV -PVDF | N -Natural<br>W -White |

| Item Code | Model               | Type             | Thread    | ID    | Material | Color   | Packaging  |
|-----------|---------------------|------------------|-----------|-------|----------|---------|------------|
| 809868    | SA-G1/8-40C-PP-N    | Straight Through | G1/8      | 4.0mm | PP       | Natural | 100pcs/pkg |
| 809490    | SA-G1/8-40C-PV-N    | Straight Through | G1/8      | 4.0mm | PVDF     | Natural | 100pcs/pkg |
| 809034    | SA-G1/8-64C-PP-N    | Straight Through | G1/8      | 6.4mm | PP       | Natural | 100pcs/pkg |
| 809873    | SA-G1/8-64C-PV-N    | Straight Through | G1/8      | 6.4mm | PVDF     | Natural | 100pcs/pkg |
| 809387    | SAL-U28-16D-PA-W    | Elbow            | 1/4-28UNF | 1.6mm | PA       | White   | 100pcs/pkg |
| 809386    | SAL-U28-16D-PP-N    | Elbow            | 1/4-28UNF | 1.6mm | PP       | Natural | 100pcs/pkg |
| 809389    | SAL-U28-32D-PA-W    | Elbow            | 1/4-28UNF | 3.2mm | PA       | White   | 100pcs/pkg |
| 809388    | SAL-U28-32D-PP-N    | Elbow            | 1/4-28UNF | 3.2mm | PP       | Natural | 100pcs/pkg |
| 809383    | SAL-U32-16D-PA-W    | Elbow            | 10-32UNF  | 1.6mm | PA       | White   | 100pcs/pkg |
| 809382    | SAL-U32-16D-PP-N    | Elbow            | 10-32UNF  | 1.6mm | PP       | Natural | 100pcs/pkg |
| 809385    | SAL-U32-32D-PA-W    | Elbow            | 10-32UNF  | 3.2mm | PA       | White   | 100pcs/pkg |
| 809384    | SAL-U32-32D-PP-N    | Elbow            | 10-32UNF  | 3.2mm | PP       | Natural | 100pcs/pkg |
| 09507     | SAL-1/8NPT-64D-PA-W | Elbow            | 1/8-27NPT | 6.4mm | PA       | White   | 100pcs/pkg |
| 809475    | SAL-1/8NPT-64D-PP-N | Elbow            | 1/8-27NPT | 6.4mm | PP       | Natural | 100pcs/pkg |

## SB/ Thread to Barbed

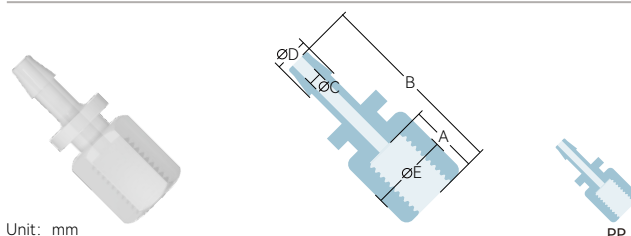
| SB                                                                                |                 | S                                                                            | - U28                                    | - 16                                             | - PP                                    | - N                                |            |
|-----------------------------------------------------------------------------------|-----------------|------------------------------------------------------------------------------|------------------------------------------|--------------------------------------------------|-----------------------------------------|------------------------------------|------------|
| Bottom - Face Sealing Thread to Barbed                                            |                 | Type                                                                         | Thread                                   | ID                                               | Material                                | Color                              |            |
|  |                 | / -Straight Through<br>S-Straight Through Short<br>R-Straight Through Rotary | U28 -1/4-28UNF<br>M5 -M5x0.8<br>M6 -M6x1 | 16 -1.6mm<br>24 -2.4mm<br>32 -3.2mm<br>40 -4.0mm | PA -PA<br>PP -PP<br>PV -PVDF<br>AC -POM | N -Natural<br>W -White<br>B -Black |            |
| Item Code                                                                         | Model           | Type                                                                         | Thread                                   | ID                                               | Material                                | Color                              | Packaging  |
| 809301                                                                            | SB-M5-16D-PA-W  | Straight Through                                                             | M5                                       | 1.6mm                                            | PA                                      | White                              | 100pcs/pkg |
| 809647                                                                            | SB-M5-16D-PP-N  | Straight Through                                                             | M5                                       | 1.6mm                                            | PP                                      | Natural                            | 100pcs/pkg |
| 809511                                                                            | SB-M5-24D-PA-W  | Straight Through                                                             | M5                                       | 2.4mm                                            | PA                                      | White                              | 100pcs/pkg |
| 809479                                                                            | SB-M5-24D-PP-N  | Straight Through                                                             | M5                                       | 2.4mm                                            | PP                                      | Natural                            | 100pcs/pkg |
| 809512                                                                            | SB-M5-32D-PA-W  | Straight Through                                                             | M5                                       | 3.2mm                                            | PA                                      | White                              | 100pcs/pkg |
| 809480                                                                            | SB-M5-32D-PP-N  | Straight Through                                                             | M5                                       | 3.2mm                                            | PP                                      | Natural                            | 100pcs/pkg |
| 809513                                                                            | SB-M5-40D-PA-W  | Straight Through                                                             | M5                                       | 4.0mm                                            | PA                                      | White                              | 100pcs/pkg |
| 809481                                                                            | SB-M5-40D-PP-N  | Straight Through                                                             | M5                                       | 4.0mm                                            | PP                                      | Natural                            | 100pcs/pkg |
| 809017                                                                            | SB-M6-16-PP-N   | Straight Through                                                             | M6                                       | 1.6mm                                            | PP                                      | Natural                            | 100pcs/pkg |
| 809018                                                                            | SB-M6-16-PP-W   | Straight Through                                                             | M6                                       | 1.6mm                                            | PP                                      | White                              | 100pcs/pkg |
| 809015                                                                            | SB-M6-16-PV-N   | Straight Through                                                             | M6                                       | 1.6mm                                            | PVDF                                    | Natural                            | 100pcs/pkg |
| 809020                                                                            | SB-M6-24-AC-B   | Straight Through                                                             | M6                                       | 2.4mm                                            | POM                                     | Black                              | 100pcs/pkg |
| 809021                                                                            | SB-M6-24-PP-N   | Straight Through                                                             | M6                                       | 2.4mm                                            | PP                                      | Natural                            | 100pcs/pkg |
| 809019                                                                            | SB-M6-24-PV-N   | Straight Through                                                             | M6                                       | 2.4mm                                            | PVDF                                    | Natural                            | 100pcs/pkg |
| 809024                                                                            | SB-M6-32-PP-N   | Straight Through                                                             | M6                                       | 3.2mm                                            | PP                                      | Natural                            | 100pcs/pkg |
| 809025                                                                            | SB-M6-32-PP-W   | Straight Through                                                             | M6                                       | 3.2mm                                            | PP                                      | White                              | 100pcs/pkg |
| 809022                                                                            | SB-M6-32-PV-N   | Straight Through                                                             | M6                                       | 3.2mm                                            | PVDF                                    | Natural                            | 100pcs/pkg |
| 809027                                                                            | SB-M6-40-AC-B   | Straight Through                                                             | M6                                       | 4.0mm                                            | POM                                     | Black                              | 100pcs/pkg |
| 809028                                                                            | SB-M6-40-PP-N   | Straight Through                                                             | M6                                       | 4.0mm                                            | PP                                      | Natural                            | 100pcs/pkg |
| 809026                                                                            | SB-M6-40-PV-N   | Straight Through                                                             | M6                                       | 4.0mm                                            | PVDF                                    | Natural                            | 100pcs/pkg |
| 809002                                                                            | SB-U28-16-AC-B  | Straight Through                                                             | 1/4-28UNF                                | 1.6mm                                            | POM                                     | Black                              | 100pcs/pkg |
| 809003                                                                            | SB-U28-16-PP-N  | Straight Through                                                             | 1/4-28UNF                                | 1.6mm                                            | PP                                      | Natural                            | 100pcs/pkg |
| 809004                                                                            | SB-U28-16-PP-W  | Straight Through                                                             | 1/4-28UNF                                | 1.6mm                                            | PP                                      | White                              | 100pcs/pkg |
| 809001                                                                            | SB-U28-16-PV-N  | Straight Through                                                             | 1/4-28UNF                                | 1.6mm                                            | PVDF                                    | Natural                            | 100pcs/pkg |
| 809006                                                                            | SB-U28-24-AC-B  | Straight Through                                                             | 1/4-28UNF                                | 2.4mm                                            | POM                                     | Black                              | 100pcs/pkg |
| 809007                                                                            | SB-U28-24-PP-N  | Straight Through                                                             | 1/4-28UNF                                | 2.4mm                                            | PP                                      | Natural                            | 100pcs/pkg |
| 809005                                                                            | SB-U28-24-PV-N  | Straight Through                                                             | 1/4-28UNF                                | 2.4mm                                            | PVDF                                    | Natural                            | 100pcs/pkg |
| 809009                                                                            | SB-U28-32-AC-B  | Straight Through                                                             | 1/4-28UNF                                | 3.2mm                                            | POM                                     | Black                              | 100pcs/pkg |
| 809010                                                                            | SB-U28-32-PP-N  | Straight Through                                                             | 1/4-28UNF                                | 3.2mm                                            | PP                                      | Natural                            | 100pcs/pkg |
| 809011                                                                            | SB-U28-32-PP-W  | Straight Through                                                             | 1/4-28UNF                                | 3.2mm                                            | PP                                      | White                              | 100pcs/pkg |
| 809008                                                                            | SB-U28-32-PV-N  | Straight Through                                                             | 1/4-28UNF                                | 3.2mm                                            | PVDF                                    | Natural                            | 100pcs/pkg |
| 809013                                                                            | SB-U28-40-AC-B  | Straight Through                                                             | 1/4-28UNF                                | 4.0mm                                            | POM                                     | Black                              | 100pcs/pkg |
| 809014                                                                            | SB-U28-40-PP-N  | Straight Through                                                             | 1/4-28UNF                                | 4.0mm                                            | PP                                      | Natural                            | 100pcs/pkg |
| 809012                                                                            | SB-U28-40-PV-N  | Straight Through                                                             | 1/4-28UNF                                | 4.0mm                                            | PVDF                                    | Natural                            | 100pcs/pkg |
| 809528                                                                            | SBR-U28-16-PP-N | Straight Through Rotary                                                      | 1/4-28UNF                                | 1.6mm                                            | PP                                      | Natural                            | 100pcs/pkg |
| 809529                                                                            | SBR-U28-24-PP-N | Straight Through Rotary                                                      | 1/4-28UNF                                | 2.4mm                                            | PP                                      | Natural                            | 100pcs/pkg |
| 809530                                                                            | SBR-U28-32-PP-N | Straight ThroughRotary                                                       | 1/4-28UNF                                | 3.2mm                                            | PP                                      | Natural                            | 100pcs/pkg |
| 809535                                                                            | SBS-M6-24D-PA-W | Straight Through Short                                                       | M6                                       | 2.4mm                                            | PA                                      | White                              | 100pcs/pkg |
| 809302                                                                            | SBS-M6-24D-PP-N | Straight Through Short                                                       | M6                                       | 2.4mm                                            | PP                                      | Natural                            | 100pcs/pkg |
| 809536                                                                            | SBS-M6-32D-PA-W | Straight Through Short                                                       | M6                                       | 3.2mm                                            | PA                                      | White                              | 100pcs/pkg |
| 809303                                                                            | SBS-M6-32D-PP-N | Straight Through Short                                                       | M6                                       | 3.2mm                                            | PP                                      | Natural                            | 100pcs/pkg |



# Female Thread to barb Fittings

- Typically paired with rigid fittings to connect soft tubing, forming secure connections;
- Soft tubing ID options: 1.6, 2.4, 3.2mm;
- Thread options: M6x1, 1/4-28UNF;
- PP material, Natural fittings;
- REACH, RoHS, MSDS reports available.

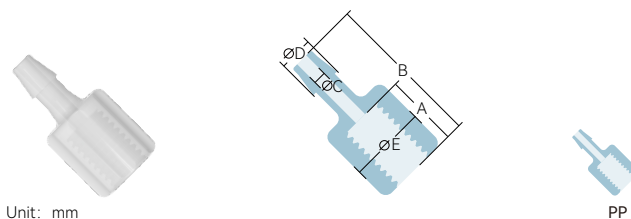
## SC/Female Thread to barb Fittings



Unit: mm

### • Female Thread to barb Fittings

Compatible with 1.6-3.2mm ID  
1/4-28UNF Female Thread



Unit: mm

### • Female Thread to barb Fittings

Compatible with 1.6-3.2mm ID  
M6x1 Female Thread

| Model     | ID  | A   | B    | C   | D   | E    |
|-----------|-----|-----|------|-----|-----|------|
| SC-U28-16 | 1.6 | 9.5 | 26.4 | 1.0 | 2.7 | 9.0  |
| SC-U28-24 | 2.4 | 9.5 | 26.4 | 1.6 | 3.8 | 9.0  |
| SC-U28-32 | 3.2 | 9.5 | 26.4 | 2.0 | 4.5 | 9.0  |
| SC-M6-16  | 1.6 | 9.0 | 19.0 | 1.2 | 2.7 | 10.0 |
| SC-M6-32  | 3.2 | 9.0 | 20.3 | 2.0 | 4.5 | 10.0 |

## SC/Female Thread to Barb Fittings

| SC                                                                                | - U28                      | - 16                                | - PP     | - N        |
|-----------------------------------------------------------------------------------|----------------------------|-------------------------------------|----------|------------|
| Female Thread to Barb Fittings                                                    | Thread                     | ID                                  | Material | Color      |
|  | U28 -1/4-28UNF<br>M6 -M6X1 | 16 -1.6mm<br>24 -2.4mm<br>32 -3.2mm | PP -PP   | N -Natural |

| Item Code | Model           | Thread    | ID    | Material | Natural | Packaging  |
|-----------|-----------------|-----------|-------|----------|---------|------------|
| 809292    | SC-M6-16-PP-N   | M6        | 1.6mm | PP       | Natural | 100pcs/pkg |
| 809293    | SC-M6-32-PP-N   | M6        | 3.2mm | PP       | Natural | 100pcs/pkg |
| 809522    | SC-U28-16D-PP-N | 1/4-28UNF | 1.6mm | PP       | Natural | 100pcs/pkg |
| 809523    | SC-U28-24D-PP-N | 1/4-28UNF | 2.4mm | PP       | Natural | 100pcs/pkg |
| 809524    | SC-U28-32D-PP-N | 1/4-28UNF | 3.2mm | PP       | Natural | 100pcs/pkg |



## Luer Fittings

The Luer Fittings Series operates on the dual-mechanism principle of precision threaded interlock+tapered cone seal: After rotational alignment, the male and female luer are securely fastened by external threads while achieving leak-proof sealing through precisely mated 6% taper surfaces. Incorporated anti-slip grooves or protrusions further ensure connection stability and safety during high-precision fluid transfer (e.g., infusion/injection). Luer fittings streamline the management of both liquid and gaseous medical media, enabling multi-fluid compatibility through single-line integrated delivery—significantly optimizing clinical workflows and medical equipment efficiency.

The Luer Fittings Series includes: Male Luer Fitting, Female Luer Fitting, Luer Lock Ring, Color Coding Ring.

# 50

### Male Luer Fittings

Includes Male Luer Stationary Lock Ring,  
Male Luer Rotating Lock Ring, Male Luer  
Integral Lock Ring and Luer Lock Ring

# 58

### Female Luer Fittings

Includes Female Luer Integral,  
Female Luer Panel Mount, Panel  
Mount Lock Nut, Color Coding Ring

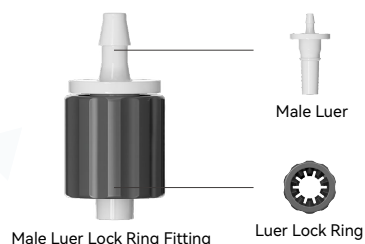


# Male Luer Fittings

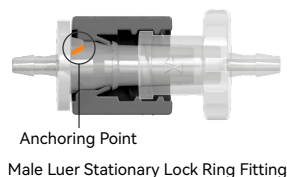
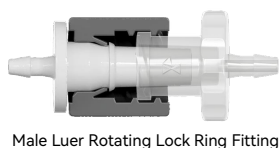
- A connection terminal with external threads and a tapered head, achieving precision sealing with the female port through rotational locking;
- Tube ID in 1.6 mm–3.2 mm;
- Materials available in PP, Nylon, PVDF, etc;
- Available in multiple colors, including natural, yellow, red, green, etc., with a total of 8 color options;
- REACH, RoHS and MSDS reports are available.

## 💡 Differentiated Male Luer Fittings

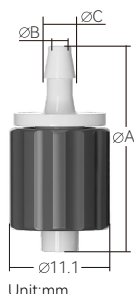
1. Male Luer Lock Ring Fitting consists of Male Luer and Luer Lock Ring
2. The Male Luer Integral Lock Ring is manufactured as a single-piece molded structure



3. The Male Luer Lock Ring Fitting is categorized into stationary and rotating types based on the relative position between the Male Luer and the Luer Lock Ring. The Male Luer Stationary Lock Ring Fitting has two anchoring points; once aligned and connected, it cannot rotate.



## LPR/Male Luer Rotating Lock Ring Fitting



### • LPR/Male Luer Rotating Lock Ring Fitting

Compatible with tube ID 1.6–3.2mm  
Available in 8 colors

| Model  | Tube ID | A    | B   | C   |
|--------|---------|------|-----|-----|
| LPR-16 | 1.6     | 20.0 | 1.2 | 2.4 |
| LPR-24 | 2.4     | 22.3 | 1.7 | 3.5 |
| LPR-32 | 3.2     | 25.0 | 2.4 | 4.5 |

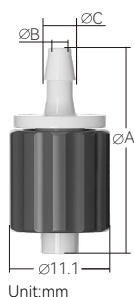


PP



PA

## LPS/Male Luer Stationary Lock Ring Fitting



### • LPS/Male Luer Stationary Lock Ring Fitting

Compatible with tube ID 1.6–3.2mm  
Available in 8 colors

| Model  | Tube ID | A    | B   | C   |
|--------|---------|------|-----|-----|
| LPS-16 | 1.6     | 20.0 | 1.2 | 2.4 |
| LPS-24 | 2.4     | 22.3 | 1.7 | 3.5 |
| LPS-32 | 3.2     | 25.0 | 2.4 | 4.5 |



PP



PA

## Assembly Instructions

1. The Panel Mount Lock Nut is available in 8 color options.

|           |         |         |
|-----------|---------|---------|
| O Orange  | R Red   | U Blue  |
| Y Yellow  | B Black | W White |
| N Natural | G Green |         |

## LP/Male Luer Integral Lock Ring Fitting



Unit:mm



PP



PA

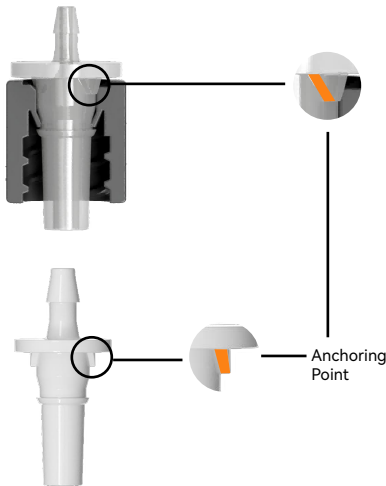
### • LP/Male Luer Integral Lock Ring

Compatible with tube ID 1.6~3.2mm  
Available in 8 colors

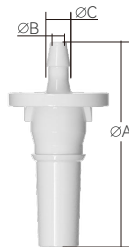
| Model | Tube ID | A   | B   | C     |
|-------|---------|-----|-----|-------|
| LP-16 | 1.6     | 2.4 | 1.2 | 14.85 |
| LP-24 | 2.4     | 3.5 | 1.7 | 17.15 |
| LP-32 | 3.2     | 4.5 | 2.4 | 19.85 |

## Assembly Instructions

1. The Male Luer cannot be connected independently and must be used with the Luer Lock Ring.
2. Configuration of Male Luer Stationary Lock or Rotating Lock is achieved through Male Luer selection.



## LSL/Male Luer Stationary Lock



Unit:mm



PP



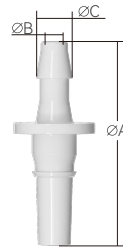
PA

### • LSL/Male Luer Stationary Lock

Compatible with tube ID 1.6~3.2mm

| Model  | Tube ID | A    | B   | C   |
|--------|---------|------|-----|-----|
| LSL-16 | 1.6     | 20.0 | 1.2 | 2.4 |
| LSL-24 | 2.4     | 22.3 | 1.7 | 3.5 |
| LSL-32 | 3.2     | 25.0 | 2.4 | 4.5 |

## LRL/Male Luer Rotating Lock



Unit:mm



PVDF



PP



PA

### • LRL/Male Luer Rotating Lock

Compatible with tube ID 1.6~3.2mm

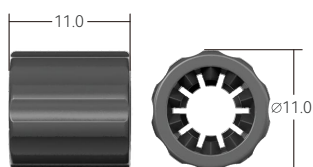
| Model  | Tube ID | A    | B   | C   |
|--------|---------|------|-----|-----|
| LRL-16 | 1.6     | 20.0 | 1.2 | 2.4 |
| LRL-24 | 2.4     | 22.3 | 1.7 | 3.5 |
| LRL-32 | 3.2     | 25.0 | 2.4 | 4.5 |

## Assembly Instructions

1. The Luer Lock Ring is available in 9 color options.

|           |         |                 |
|-----------|---------|-----------------|
| O Orange  | R Red   | U Blue          |
| Y Yellow  | B Black | W White         |
| N Natural | G Green | O Orange-yellow |

## LPT/Luer Lock Ring



Unit:mm

### • LPT/Luer Lock Ring

Available in 9 colors



PA



PP

## Related Products

1. Use with torque screwdrivers for precision torque adjustment, enabling controlled fitting assembly/disassembly.



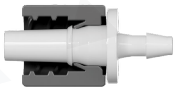
| Item Code | Compatible Bit       |
|-----------|----------------------|
| 956002    | All torque bit heads |



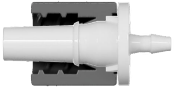
| Item Code | Compatible Fitting Series                  |
|-----------|--------------------------------------------|
| 959015    | LPR/Male Luer Rotating Lock Ring Fitting   |
|           | LPS/Male Luer Stationary Lock Ring Fitting |
|           | LP/Male Luer Integral Lock Ring Fitting    |
|           | LPT/Luer Lock Ring                         |
|           | LS/Female Luer Integral Fitting            |
|           | LNS/Panel Mount Lock Nut                   |

## LPR/Male Luer Rotating Lock Ring Fitting

| LPR                                                                               |             | - 32                             | - PP             | - N                                                                                           |            |
|-----------------------------------------------------------------------------------|-------------|----------------------------------|------------------|-----------------------------------------------------------------------------------------------|------------|
| Male Luer Rotating Lock Ring Fitting                                              |             | Tube ID                          | Material         | Color                                                                                         |            |
|  |             | 16-1.6mm<br>24-2.4mm<br>32-3.2mm | PA -PA<br>PP -PP | B -Black<br>Y -Yellow<br>U -Blue<br>R -Red<br>O -Orange<br>G -Green<br>W -White<br>N -Natural |            |
| Item Code                                                                         | Model       | Tube ID                          | Material         | Color                                                                                         | Packaging  |
| 809320                                                                            | LPR-16-PA-W | 1.6mm                            | PA               | White                                                                                         | 100pcs/pkg |
| 809352                                                                            | LPR-16-PA-O | 1.6mm                            | PA               | Orange                                                                                        | 100pcs/pkg |
| 809331                                                                            | LPR-16-PA-B | 1.6mm                            | PA               | Black                                                                                         | 100pcs/pkg |
| 809333                                                                            | LPR-16-PA-R | 1.6mm                            | PA               | Red                                                                                           | 100pcs/pkg |
| 809353                                                                            | LPR-16-PA-Y | 1.6mm                            | PA               | Yellow                                                                                        | 100pcs/pkg |
| 809351                                                                            | LPR-16-PA-U | 1.6mm                            | PA               | Blue                                                                                          | 100pcs/pkg |
| 809342                                                                            | LPR-16-PA-G | 1.6mm                            | PA               | Green                                                                                         | 100pcs/pkg |
| 809673                                                                            | LPR-16-PP-W | 1.6mm                            | PP               | White                                                                                         | 100pcs/pkg |
| 809672                                                                            | LPR-16-PP-N | 1.6mm                            | PP               | Natural                                                                                       | 100pcs/pkg |
| 809678                                                                            | LPR-16-PP-O | 1.6mm                            | PP               | Orange                                                                                        | 100pcs/pkg |
| 809674                                                                            | LPR-16-PP-B | 1.6mm                            | PP               | Black                                                                                         | 100pcs/pkg |
| 809675                                                                            | LPR-16-PP-R | 1.6mm                            | PP               | Red                                                                                           | 100pcs/pkg |
| 809679                                                                            | LPR-16-PP-Y | 1.6mm                            | PP               | Yellow                                                                                        | 100pcs/pkg |
| 809677                                                                            | LPR-16-PP-U | 1.6mm                            | PP               | Blue                                                                                          | 100pcs/pkg |
| 809676                                                                            | LPR-16-PP-G | 1.6mm                            | PP               | Green                                                                                         | 100pcs/pkg |
| 809290                                                                            | LPR-24-PA-W | 2.4mm                            | PA               | White                                                                                         | 100pcs/pkg |
| 809365                                                                            | LPR-24-PA-O | 2.4mm                            | PA               | Orange                                                                                        | 100pcs/pkg |
| 809355                                                                            | LPR-24-PA-B | 2.4mm                            | PA               | Black                                                                                         | 100pcs/pkg |
| 809356                                                                            | LPR-24-PA-R | 2.4mm                            | PA               | Red                                                                                           | 100pcs/pkg |
| 809291                                                                            | LPR-24-PA-Y | 2.4mm                            | PA               | Yellow                                                                                        | 100pcs/pkg |
| 809364                                                                            | LPR-24-PA-U | 2.4mm                            | PA               | Blue                                                                                          | 100pcs/pkg |
| 809363                                                                            | LPR-24-PA-G | 2.4mm                            | PA               | Green                                                                                         | 100pcs/pkg |
| 809681                                                                            | LPR-24-PP-W | 2.4mm                            | PP               | White                                                                                         | 100pcs/pkg |
| 809680                                                                            | LPR-24-PP-N | 2.4mm                            | PP               | Natural                                                                                       | 100pcs/pkg |
| 809686                                                                            | LPR-24-PP-O | 2.4mm                            | PP               | Orange                                                                                        | 100pcs/pkg |
| 809866                                                                            | LPR-24-PP-O | 2.4mm                            | PP               | Orange                                                                                        | 100pcs/pkg |
| 809682                                                                            | LPR-24-PP-B | 2.4mm                            | PP               | Black                                                                                         | 100pcs/pkg |
| 809683                                                                            | LPR-24-PP-R | 2.4mm                            | PP               | Red                                                                                           | 100pcs/pkg |
| 809687                                                                            | LPR-24-PP-Y | 2.4mm                            | PP               | Yellow                                                                                        | 100pcs/pkg |
| 809685                                                                            | LPR-24-PP-U | 2.4mm                            | PP               | Blue                                                                                          | 100pcs/pkg |
| 809684                                                                            | LPR-24-PP-G | 2.4mm                            | PP               | Green                                                                                         | 100pcs/pkg |
| 809367                                                                            | LPR-32-PA-W | 3.2mm                            | PA               | White                                                                                         | 100pcs/pkg |
| 809367                                                                            | LPR-32-PA-W | 3.2mm                            | PA               | White                                                                                         | 100pcs/pkg |
| 809402                                                                            | LPR-32-PA-O | 3.2mm                            | PA               | Orange                                                                                        | 100pcs/pkg |
| 809299                                                                            | LPR-32-PA-B | 3.2mm                            | PA               | Black                                                                                         | 100pcs/pkg |
| 809368                                                                            | LPR-32-PA-R | 3.2mm                            | PA               | Red                                                                                           | 100pcs/pkg |
| 809403                                                                            | LPR-32-PA-Y | 3.2mm                            | PA               | Yellow                                                                                        | 100pcs/pkg |
| 809373                                                                            | LPR-32-PA-U | 3.2mm                            | PA               | Blue                                                                                          | 100pcs/pkg |
| 809372                                                                            | LPR-32-PA-G | 3.2mm                            | PA               | Green                                                                                         | 100pcs/pkg |
| 809689                                                                            | LPR-32-PP-W | 3.2mm                            | PP               | White                                                                                         | 100pcs/pkg |

| LPR - 32 - PP - N                                                                 |             |                                  |          |                                                                                               |            |
|-----------------------------------------------------------------------------------|-------------|----------------------------------|----------|-----------------------------------------------------------------------------------------------|------------|
| Male Luer Rotating Lock Ring Fitting                                              |             | Tube ID                          | Material | Color                                                                                         |            |
|  |             | 16-1.6mm<br>24-2.4mm<br>32-3.2mm | PP -PP   | B -Black<br>Y -Yellow<br>U -Blue<br>R -Red<br>O -Orange<br>G -Green<br>W -White<br>N -Natural |            |
| Item Code                                                                         | Model       | Tube ID                          | Material | Color                                                                                         | Packaging  |
| 809688                                                                            | LPR-32-PP-N | 3.2mm                            | PP       | Natural                                                                                       | 100pcs/pkg |
| 809694                                                                            | LPR-32-PP-O | 3.2mm                            | PP       | Orange                                                                                        | 100pcs/pkg |
| 809690                                                                            | LPR-32-PP-B | 3.2mm                            | PP       | Black                                                                                         | 100pcs/pkg |
| 809691                                                                            | LPR-32-PP-R | 3.2mm                            | PP       | Red                                                                                           | 100pcs/pkg |
| 809695                                                                            | LPR-32-PP-Y | 3.2mm                            | PP       | Yellow                                                                                        | 100pcs/pkg |
| 809693                                                                            | LPR-32-PP-U | 3.2mm                            | PP       | Blue                                                                                          | 100pcs/pkg |
| 809692                                                                            | LPR-32-PP-G | 3.2mm                            | PP       | Green                                                                                         | 100pcs/pkg |

## LPS/Male Luer Stationary Lock Ring Fitting

| LPS - 32 - PP - N                                                                  |             |                                  |          |                                                                                               |            |
|------------------------------------------------------------------------------------|-------------|----------------------------------|----------|-----------------------------------------------------------------------------------------------|------------|
| Male Luer Stationary Lock Ring Fitting                                             |             | Tube ID                          | Material | Color                                                                                         |            |
|  |             | 16-1.6mm<br>24-2.4mm<br>32-3.2mm | PP -PP   | B -Black<br>Y -Yellow<br>U -Blue<br>R -Red<br>O -Orange<br>G -Green<br>W -White<br>N -Natural |            |
| Item Code                                                                          | Model       | Tube ID                          | Material | Color                                                                                         | Packaging  |
| 809130                                                                             | LPS-16-PP-W | 1.6mm                            | PP       | White                                                                                         | 100pcs/pkg |
| 809669                                                                             | LPS-16-PP-N | 1.6mm                            | PP       | Natural                                                                                       | 100pcs/pkg |
| 809169                                                                             | LPS-16-PP-O | 1.6mm                            | PP       | Orange                                                                                        | 100pcs/pkg |
| 809149                                                                             | LPS-16-PP-B | 1.6mm                            | PP       | Black                                                                                         | 100pcs/pkg |
| 809150                                                                             | LPS-16-PP-R | 1.6mm                            | PP       | Red                                                                                           | 100pcs/pkg |
| 809170                                                                             | LPS-16-PP-Y | 1.6mm                            | PP       | Yellow                                                                                        | 100pcs/pkg |
| 809160                                                                             | LPS-16-PP-U | 1.6mm                            | PP       | Blue                                                                                          | 100pcs/pkg |
| 809159                                                                             | LPS-16-PP-G | 1.6mm                            | PP       | Green                                                                                         | 100pcs/pkg |
| 809188                                                                             | LPS-24-PP-W | 2.4mm                            | PP       | White                                                                                         | 100pcs/pkg |
| 809670                                                                             | LPS-24-PP-N | 2.4mm                            | PP       | Natural                                                                                       | 100pcs/pkg |
| 809272                                                                             | LPS-24-PP-O | 2.4mm                            | PP       | Orange                                                                                        | 100pcs/pkg |
| 809260                                                                             | LPS-24-PP-B | 2.4mm                            | PP       | Black                                                                                         | 100pcs/pkg |
| 809261                                                                             | LPS-24-PP-R | 2.4mm                            | PP       | Red                                                                                           | 100pcs/pkg |
| 809273                                                                             | LPS-24-PP-Y | 2.4mm                            | PP       | Yellow                                                                                        | 100pcs/pkg |
| 809271                                                                             | LPS-24-PP-U | 2.4mm                            | PP       | Blue                                                                                          | 100pcs/pkg |
| 809270                                                                             | LPS-24-PP-G | 2.4mm                            | PP       | Green                                                                                         | 100pcs/pkg |
| 809274                                                                             | LPS-32-PP-W | 3.2mm                            | PP       | White                                                                                         | 100pcs/pkg |
| 809671                                                                             | LPS-32-PP-N | 3.2mm                            | PP       | Natural                                                                                       | 100pcs/pkg |
| 809281                                                                             | LPS-32-PP-O | 3.2mm                            | PP       | Orange                                                                                        | 100pcs/pkg |
| 809139                                                                             | LPS-32-PP-B | 3.2mm                            | PP       | Black                                                                                         | 100pcs/pkg |
| 809275                                                                             | LPS-32-PP-R | 3.2mm                            | PP       | Red                                                                                           | 100pcs/pkg |
| 809282                                                                             | LPS-32-PP-Y | 3.2mm                            | PP       | Yellow                                                                                        | 100pcs/pkg |
| 809140                                                                             | LPS-32-PP-U | 3.2mm                            | PP       | Blue                                                                                          | 100pcs/pkg |
| 809280                                                                             | LPS-32-PP-G | 3.2mm                            | PP       | Green                                                                                         | 100pcs/pkg |

## LP/Male Luer Integral Lock Ring Fitting

| LP                                                                                | - 32                             | - PP     | - N                                                                                           |
|-----------------------------------------------------------------------------------|----------------------------------|----------|-----------------------------------------------------------------------------------------------|
| Male Luer Integral Lock Ring Fitting                                              | Tube ID                          | Material | Color                                                                                         |
|  | 16-1.6mm<br>24-2.4mm<br>32-3.2mm | PA -PA   | B -Black<br>Y -Yellow<br>U -Blue<br>R -Red<br>O -Orange<br>G -Green<br>W -White<br>N -Natural |

| Item Code | Model       | Tube ID | Material | Color   | Packaging  |
|-----------|-------------|---------|----------|---------|------------|
| 809255    | LP-16D-PA-W | 1.6mm   | PA       | White   | 100pcs/pkg |
| 809344    | LP-16D-PA-O | 1.6mm   | PA       | Orange  | 100pcs/pkg |
| 809256    | LP-16D-PA-B | 1.6mm   | PA       | Black   | 100pcs/pkg |
| 809257    | LP-16D-PA-R | 1.6mm   | PA       | Red     | 100pcs/pkg |
| 809354    | LP-16D-PA-Y | 1.6mm   | PA       | Yellow  | 100pcs/pkg |
| 809319    | LP-16D-PA-U | 1.6mm   | PA       | Blue    | 100pcs/pkg |
| 809259    | LP-16D-PA-G | 1.6mm   | PA       | Green   | 100pcs/pkg |
| 809312    | LP-16D-PP-N | 1.6mm   | PP       | Natural | 100pcs/pkg |
| 809366    | LP-24D-PA-W | 2.4mm   | PA       | White   | 100pcs/pkg |
| 809488    | LP-24D-PA-O | 2.4mm   | PA       | Orange  | 100pcs/pkg |
| 809666    | LP-24D-PA-B | 2.4mm   | PA       | Black   | 100pcs/pkg |
| 809485    | LP-24D-PA-R | 2.4mm   | PA       | Red     | 100pcs/pkg |
| 809489    | LP-24D-PA-Y | 2.4mm   | PA       | Yellow  | 100pcs/pkg |
| 809487    | LP-24D-PA-U | 2.4mm   | PA       | Blue    | 100pcs/pkg |
| 809486    | LP-24D-PA-G | 2.4mm   | PA       | Green   | 100pcs/pkg |
| 809313    | LP-24D-PP-N | 2.4mm   | PP       | Natural | 100pcs/pkg |
| 809781    | LP-32D-PA-W | 3.2mm   | PA       | White   | 100pcs/pkg |
| 809786    | LP-32D-PA-O | 3.2mm   | PA       | Orange  | 100pcs/pkg |
| 809782    | LP-32D-PA-B | 3.2mm   | PA       | Black   | 100pcs/pkg |
| 809783    | LP-32D-PA-R | 3.2mm   | PA       | Red     | 100pcs/pkg |
| 809787    | LP-32D-PA-Y | 3.2mm   | PA       | Yellow  | 100pcs/pkg |
| 809785    | LP-32D-PA-U | 3.2mm   | PA       | Blue    | 100pcs/pkg |
| 809784    | LP-32D-PA-G | 3.2mm   | PA       | Green   | 100pcs/pkg |
| 806262    | LP-32-PP-W  | 3.2mm   | PP       | White   | 100pcs/pkg |
| 809314    | LP-32D-PP-N | 3.2mm   | PP       | Natural | 100pcs/pkg |
| 809830    | LP-32D-PP-B | 3.2mm   | PP       | Black   | 100pcs/pkg |
| 809667    | LP-32D-PP-R | 3.2mm   | PP       | Red     | 100pcs/pkg |
| 809789    | LP-32D-PP-U | 3.2mm   | PP       | Blue    | 100pcs/pkg |
| 809668    | LP-32D-PP-G | 3.2mm   | PP       | Green   | 100pcs/pkg |

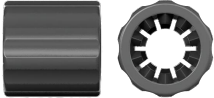
## LSL/Male Luer Stationary Lock

| LSL                                                                               |             | - 32                             | - PP             | - N                   |            |
|-----------------------------------------------------------------------------------|-------------|----------------------------------|------------------|-----------------------|------------|
| Male Luer Stationary Lock                                                         |             | Tube ID                          | Material         | Color                 |            |
|  |             | 16-1.6mm<br>24-2.4mm<br>32-3.2mm | PA -PA<br>PP -PP | W-White<br>N -Natural |            |
| Item Code                                                                         | Model       | Tube ID                          | Material         | Color                 | Packaging  |
| 809705                                                                            | LSL-16-PA-W | 1.6mm                            | PA               | White                 | 100pcs/pkg |
| 809558                                                                            | LSL-16-PP-N | 1.6mm                            | PP               | Natural               | 100pcs/pkg |
| 809707                                                                            | LSL-24-PA-W | 2.4mm                            | PA               | White                 | 100pcs/pkg |
| 809560                                                                            | LSL-24-PP-N | 2.4mm                            | PP               | Natural               | 100pcs/pkg |
| 809709                                                                            | LSL-32-PA-W | 3.2mm                            | PA               | White                 | 100pcs/pkg |
| 809562                                                                            | LSL-32-PP-N | 3.2mm                            | PP               | Natural               | 100pcs/pkg |

## LRL/Male Luer Rotating Lock

| LRL                                                                               |             | - 32                             | - PP                         | - N                   |            |
|-----------------------------------------------------------------------------------|-------------|----------------------------------|------------------------------|-----------------------|------------|
| Male Luer Rotating Lock                                                           |             | Tube ID                          | Material                     | Color                 |            |
|  |             | 16-1.6mm<br>24-2.4mm<br>32-3.2mm | PA -PA<br>PP -PP<br>PV -PVDF | W-White<br>N -Natural |            |
| Item Code                                                                         | Model       | Tube ID                          | Material                     | Color                 | Packaging  |
| 809706                                                                            | LRL-16-PA-W | 1.6mm                            | PA                           | White                 | 100pcs/pkg |
| 809559                                                                            | LRL-16-PP-N | 1.6mm                            | PP                           | Natural               | 100pcs/pkg |
| 809711                                                                            | LRL-16-PV-N | 1.6mm                            | PVDF                         | Natural               | 100pcs/pkg |
| 809708                                                                            | LRL-24-PA-W | 2.4mm                            | PA                           | White                 | 100pcs/pkg |
| 809561                                                                            | LRL-24-PP-N | 2.4mm                            | PP                           | Natural               | 100pcs/pkg |
| 809712                                                                            | LRL-24-PV-N | 2.4mm                            | PVDF                         | Natural               | 100pcs/pkg |
| 809710                                                                            | LRL-32-PA-W | 3.2mm                            | PA                           | White                 | 100pcs/pkg |
| 809563                                                                            | LRL-32-PP-N | 3.2mm                            | PP                           | Natural               | 100pcs/pkg |
| 809713                                                                            | LRL-32-PV-N | 3.2mm                            | PVDF                         | Natural               | 100pcs/pkg |

## LPT/Luer Lock Ring

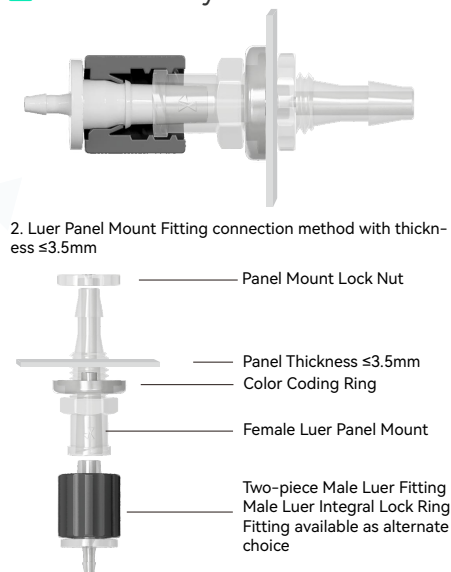
| LPT                                                                                                     | - PA                                | - W                                                                                                                              |
|---------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>Luer Lock Ring</b>  | <b>Material</b><br>PA -PA<br>PP -PP | <b>Color</b><br>W-White<br>N -Natural<br>G -Green<br>B -Black<br>R -Red<br>Y -Yellow<br>O -Orange-yellow<br>O -Orange<br>U -Blue |

| Item Code | Model    | Material | Color         | Packaging  |
|-----------|----------|----------|---------------|------------|
| 809588    | LPT-PA-W | PA       | White         | 100pcs/pkg |
| 809587    | LPT-PP-N | PP       | Natural       | 100pcs/pkg |
| 809857    | LPT-PA-O | PA       | Orange-yellow | 100pcs/pkg |
| 809593    | LPT-PA-O | PA       | Orange        | 100pcs/pkg |
| 809589    | LPT-PA-B | PA       | Black         | 100pcs/pkg |
| 809590    | LPT-PA-R | PA       | Red           | 100pcs/pkg |
| 809594    | LPT-PA-Y | PA       | Yellow        | 100pcs/pkg |
| 809592    | LPT-PA-U | PA       | Blue          | 100pcs/pkg |
| 809591    | LPT-PA-G | PA       | Green         | 100pcs/pkg |

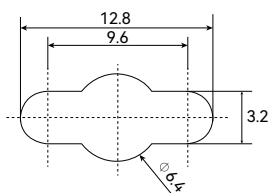
# Female Luer Fitting

- Featuring integrated mating threads and tapered grooves, the female fitting forms a leak-proof fluid channel when interlocked with the male fitting;
- Available in both non panel mount and panel mount configurations;
- Tube inner diameter available in 1.6 mm~3.2 mm;
- 1/4-28UNF Thread;
- Materials available in PP, Nylon, PVDF, etc;
- Available in natural and white colors;
- REACH, RoHS and MSDS reports are available.

## Luer Assembly Instructions

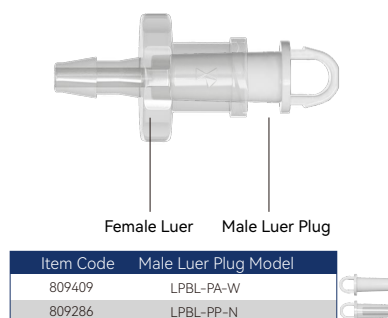


3. Female Luer Panel Mount Fitting shall be used with matching Color Coding Ring. Panel drilling is required prior to connector mating. Please see the dimension below:

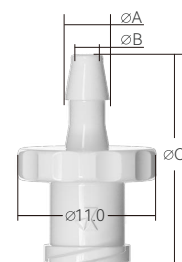


Unit:mm

## 选型提示



## LS/Female Luer Integral Fitting



Unit:mm

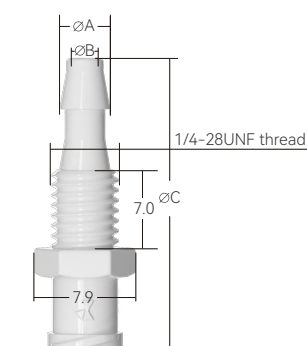
### LS/Female Luer Integral Fitting

Compatible with tube ID 1.6~3.2mm

| Model | Tube ID | A   | B   | C     |
|-------|---------|-----|-----|-------|
| LS-16 | 1.6     | 2.4 | 1.2 | 139.0 |
| LS-24 | 2.4     | 3.5 | 1.7 | 16.2  |
| LS-32 | 3.2     | 4.5 | 2.4 | 18.9  |



## PMLS/Female Luer Panel Mount Fitting



Unit:mm

### PMLS/Female Luer Panel Mount Fitting

Compatible with tube ID 1.6~3.2mm

| Model       | Tube ID | A   | B   | C    |
|-------------|---------|-----|-----|------|
| PMLS-U28-16 | 1.6     | 2.4 | 1.2 | 20.9 |
| PMLS-U28-24 | 2.4     | 3.5 | 1.7 | 23.3 |
| PMLS-U28-32 | 3.2     | 3.2 | 2.4 | 25.9 |

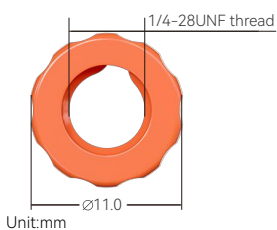


## Assembly Instructions

1. The Color Coding Ring and Panel Mount Lock Nut is available in 9 color options.

|           |         |         |
|-----------|---------|---------|
| O Orange  | R Red   | U Blue  |
| Y Yellow  | B Black | W White |
| N Natural | G Green |         |

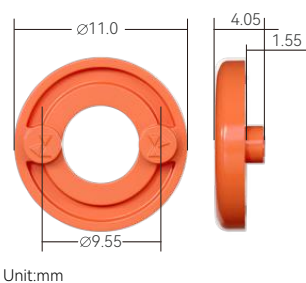
### LNS/Panel Mount Lock Nut



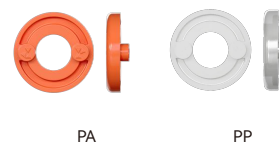
- **LNS/Panel Mount Lock Nut**  
1/4-28UNF Thread  
Available in 9 colors



### LCR/Color Coding Ring



- **LCR/Color Coding Ring**  
PP/PA Material  
Available in 9 colors



## LS/Female Luer Integral Fitting

| LS                                                                                                                | - 32                                        | - PP                         | - N                            |
|-------------------------------------------------------------------------------------------------------------------|---------------------------------------------|------------------------------|--------------------------------|
| Female Luer Integral Fitting<br> | Tube ID<br>16-1.6mm<br>24-2.4mm<br>32-3.2mm | Material<br>PA -PA<br>PP -PP | Color<br>W-White<br>N -Natural |

| Item Code | Model       | Tube ID | Material | Color   | Packaging  |
|-----------|-------------|---------|----------|---------|------------|
| 809699    | LS-16D-PA-W | 1.6mm   | PA       | White   | 100pcs/pkg |
| 809570    | LS-16D-PP-N | 1.6mm   | PP       | Natural | 100pcs/pkg |
| 809700    | LS-24D-PA-W | 2.4mm   | PA       | White   | 100pcs/pkg |
| 809571    | LS-24D-PP-N | 2.4mm   | PP       | Natural | 100pcs/pkg |
| 809701    | LS-32D-PA-W | 3.2mm   | PA       | White   | 100pcs/pkg |
| 809572    | LS-32D-PP-N | 3.2mm   | PP       | Natural | 100pcs/pkg |

## PMLS/Female Luer Panel Mount Fitting

| PMLS                                                                                                                  | - U28                     | - 16D                                       | - PA                                     | - W                            |
|-----------------------------------------------------------------------------------------------------------------------|---------------------------|---------------------------------------------|------------------------------------------|--------------------------------|
| Female Luer Panel Mount Fitting<br> | Thread<br>U28 - 1/4-28UNF | Tube ID<br>16-1.6mm<br>24-2.4mm<br>32-3.2mm | Material<br>PA -PA<br>PP -PP<br>PV -PVDF | Color<br>W-White<br>N -Natural |

| Item Code | Model             | Thread    | Tube ID | Material | Color   | Packaging  |
|-----------|-------------------|-----------|---------|----------|---------|------------|
| 809702    | PMLS-U28-16D-PA-W | 1/4-28UNF | 1.6mm   | PA       | White   | 100pcs/pkg |
| 809576    | PMLS-U28-16D-PP-N | 1/4-28UNF | 1.6mm   | PP       | Natural | 100pcs/pkg |
| 809703    | PMLS-U28-24D-PA-W | 1/4-28UNF | 2.4mm   | PA       | White   | 100pcs/pkg |
| 809577    | PMLS-U28-24D-PP-N | 1/4-28UNF | 2.4mm   | PP       | Natural | 100pcs/pkg |
| 809704    | PMLS-U28-32D-PA-W | 1/4-28UNF | 3.2mm   | PA       | White   | 100pcs/pkg |
| 809578    | PMLS-U28-32D-PP-N | 1/4-28UNF | 3.2mm   | PP       | Natural | 100pcs/pkg |
| 809665    | PMLS-U28-32D-PV-N | 1/4-28UNF | 3.2mm   | PVDF     | Natural | 100pcs/pkg |

## LNS/Panel Mount Lock Nut

| LNS                                                                                                              | - U28                            | - PA                                | - W                                                                                                                              |
|------------------------------------------------------------------------------------------------------------------|----------------------------------|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>Panel Mount Lock Nut</b><br> | <b>Thread</b><br>U28 - 1/4-28UNF | <b>Material</b><br>PA -PA<br>PP -PP | <b>Color</b><br>W-White<br>N -Natural<br>G -Green<br>B -Black<br>R -Red<br>Y -Yellow<br>O -Orange<br>O -Orange-yellow<br>U -Blue |

| Item Code | Model        | Thread    | Material | Color         | Packaging  |
|-----------|--------------|-----------|----------|---------------|------------|
| 809597    | LNS-U28-PA-W | 1/4-28UNF | PA       | White         | 100pcs/pkg |
| 809858    | LNS-U28-PA-O | 1/4-28UNF | PA       | Orange-yellow | 100pcs/pkg |
| 809602    | LNS-U28-PA-O | 1/4-28UNF | PA       | Orange        | 100pcs/pkg |
| 809598    | LNS-U28-PA-B | 1/4-28UNF | PA       | Black         | 100pcs/pkg |
| 809599    | LNS-U28-PA-R | 1/4-28UNF | PA       | Red           | 100pcs/pkg |
| 809603    | LNS-U28-PA-Y | 1/4-28UNF | PA       | Yellow        | 100pcs/pkg |
| 809601    | LNS-U28-PA-U | 1/4-28UNF | PA       | Blue          | 100pcs/pkg |
| 809600    | LNS-U28-PA-G | 1/4-28UNF | PA       | Green         | 100pcs/pkg |
| 809596    | LNS-U28-PP-N | 1/4-28UNF | PP       | Natural       | 100pcs/pkg |

## LCR/Color Coding Ring

| LCR                                                                                                             | - PA                                | - W                                                                                                                              |
|-----------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>Color Coding Ring</b><br> | <b>Material</b><br>PA -PA<br>PP -PP | <b>Color</b><br>W-White<br>N -Natural<br>G -Green<br>B -Black<br>R -Red<br>Y -Yellow<br>O -Orange<br>O -Orange-yellow<br>U -Blue |

| Item Code | Model    | Material | Color         | Packaging  |
|-----------|----------|----------|---------------|------------|
| 809580    | LCR-PA-W | PA       | White         | 100pcs/pkg |
| 809579    | LCR-PP-N | PP       | Natural       | 100pcs/pkg |
| 809856    | LCR-PA-O | PA       | Orange-yellow | 100pcs/pkg |
| 809585    | LCR-PA-O | PA       | Orange        | 100pcs/pkg |
| 809581    | LCR-PA-B | PA       | Black         | 100pcs/pkg |
| 809582    | LCR-PA-R | PA       | Red           | 100pcs/pkg |
| 809586    | LCR-PA-Y | PA       | Yellow        | 100pcs/pkg |
| 809584    | LCR-PA-U | PA       | Blue          | 100pcs/pkg |
| 809583    | LCR-PA-G | PA       | Green         | 100pcs/pkg |



# Quick Disconnect Couplings

Innovative Quick Disconnect Couplings enable rapid, high-flow connections in low-pressure systems. Precision-molded from corrosion-resistant POM/PP thermoplastics, these couplings offer excellent corrosion resistance and durability, ensuring stable performance when exposed to common chemical reagents. A clear audible sound provides confirmation of secure engagement. The thumb-release mechanism allows for single-handed quick disconnection and assembly, enhancing operational safety and user convenience, which is suited for high-frequency applications such as medical and industrial devices.

## Product Range

Q20 Series: 1/8" bore (small flow)

Q40 Series: 1/4" bore (medium flow)

Q60 Series: 3/8" bore (large flow)

Comprehensive compatibility is assured with:

CPC: PMC/PLC/HFC series

LinktechTech: 20/40/60 series

## 62

Q20

Tube OD 1.6mm~6.4mm, Straight/Elbow;  
Male/Female thread

## 70

Q40

Tube OD 6.4mm~9.5mm, Straight/  
Elbow, Male thread

## 76

Q60

Tube OD 9.5mm~19.0mm, Straight/Elbow,  
Male thread



# Q20 Series

- Housing: PP or POM ; Seals: NBR, EPDM , or FKM;
- Tube Size: 1.6mm–6.4mm OD;
- Threaded Ports: Male: 1/8"–27 NPT Female: 1/4"–28 UNF;
- Mounting: Panel mount / No Panel mount;
- Flow Control: Valved / Non-valved;
- Geometry: Straight / 90° Elbow;
- REACH / RoHS certifications and MSDS.

## Basic parameters

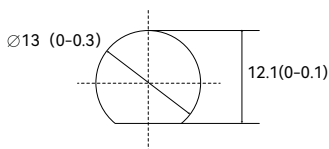
| Series                |                     | Q20-POM                                           | Q20-PP          |
|-----------------------|---------------------|---------------------------------------------------|-----------------|
| CPC Model             |                     | PMC series                                        | PMC 12 series   |
| Linktech Model        |                     | 20 AC series                                      | 20 PP series    |
| Applicable conditions | Work Pressure       | 120 psi(8.3bar)                                   | 120 psi(8.3bar) |
|                       | Work temperature    | -40°C~82°C                                        | 0°C~71°C        |
|                       | Tube ID             | 1/16"(1.6mm)~1/4"(6.4mm)                          |                 |
|                       | Threaded port       | Male thread 1/8-27NPT and Female thread 1/4-28UNF |                 |
| Materials             | Spring, button      | SUS 316                                           | SUS 316         |
|                       | Sealing ring*       | NBR                                               | EPDM            |
|                       | Housing, valve core | POM-White                                         | PP-Beige        |

\*Sealing ring: Customizable FKM material

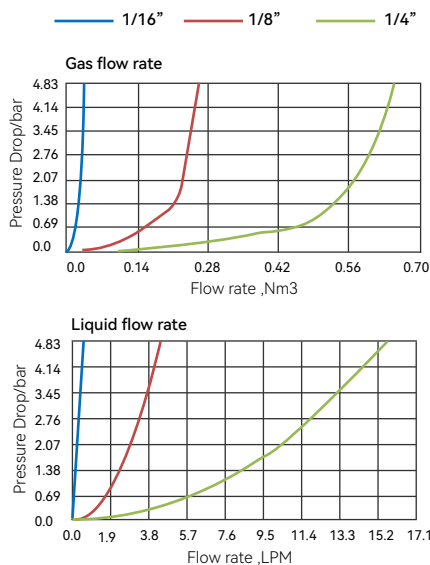
## Assembly tips

|                  |                               |            |
|------------------|-------------------------------|------------|
| Panel Mount Size | Panel Mount Thread            | 1/2-24UNS  |
|                  | Hexagon nut size              | 5/8"(16mm) |
|                  | Recommended panel mount holes | 12.7~13mm  |

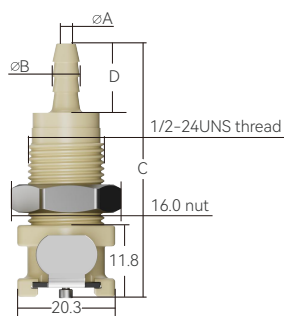
Unit: mm



## Q20 Series flow coefficient



## Q20 Series Female



Unit: mm

Non-valved

Valved

PP

POM

### • Q20/ Panel Mount Female

Adapt to 1.6-4.8mm tube ID

| Model          | Tube ID | A    | B    | C    | D    |
|----------------|---------|------|------|------|------|
| Q2001-SMV(X)-S | 1.6     | 1.2  | 2.4  | 35.3 | 5.0  |
| Q2002-SMV(X)-S | 2.4     | 2.4  | 4.5  | 41.7 | 11.4 |
| Q2003-SMV(X)-S | 3.2     | 3.2  | 6.05 | 47.0 | 16.5 |
| Q2004-SMV(X)-S | 4.8     | 4.65 | 7.6  | 47.0 | 16.5 |



Unit: mm

Non-valved

Valved

PP

POM

### • Q20/ Female

Adapt to 1.6-4.8mm tube ID

| Model          | Tube ID | A    | B    | C    | D    |
|----------------|---------|------|------|------|------|
| Q2001-SNV(X)-S | 1.6     | 1.2  | 2.4  | 35.3 | 5.0  |
| Q2002-SNV(X)-S | 2.4     | 2.4  | 4.5  | 41.7 | 11.4 |
| Q2003-SNV(X)-S | 3.2     | 3.2  | 6.05 | 47.0 | 16.5 |
| Q2004-SNV(X)-S | 4.8     | 4.65 | 7.6  | 47.0 | 16.5 |

## Basic parameters

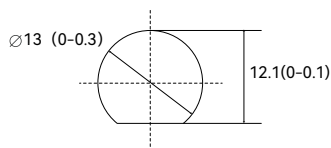
| Series                |                     | Q20-POM                                           | Q20-PP          |
|-----------------------|---------------------|---------------------------------------------------|-----------------|
| CPC Model             |                     | PMC series                                        | PMC 12 series   |
| Linktech Model        |                     | 20 AC series                                      | 20 PP series    |
| Applicable conditions | Work Pressure       | 120 psi(8.3bar)                                   | 120 psi(8.3bar) |
|                       | Work temperature    | -40°C~82°C                                        | 0°C~71°C        |
|                       | Tube ID             | 1/16"(1.6mm)~1/4"(6.4mm)                          |                 |
|                       | Threaded port       | Male thread 1/8-27NPT and Female thread 1/4-28UNF |                 |
| Materials             | Spring, button      | SUS 316                                           | SUS 316         |
|                       | Sealing ring*       | NBR                                               | EPDM            |
|                       | Housing, valve core | POM-White                                         | PP-Beige        |

\*Sealing ring: Customizable FKM material

## Assembly tips

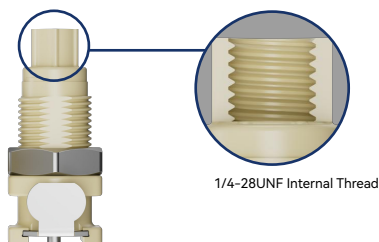
|                  |                               |            |
|------------------|-------------------------------|------------|
| Panel Mount Size | Panel Mount Thread            | 1/2-24UNS  |
|                  | Hexagon nut size              | 5/8"(16mm) |
|                  | Recommended panel mount holes | 12.7~13mm  |

Unit: mm



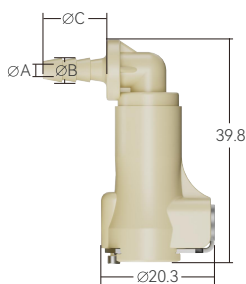
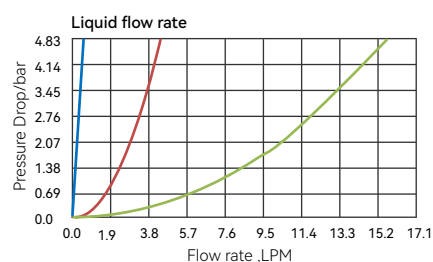
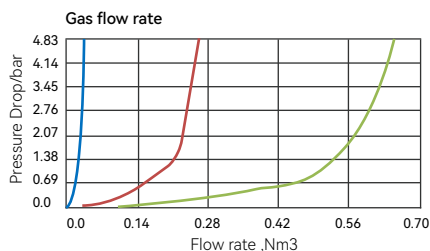
## Assembly tips

1.Q2028U series is female thread and the port is 1/4-28UNF female thread.

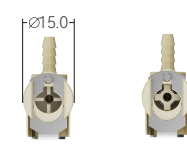


## Q20 Series flow coefficient

— 1/16" — 1/8" — 1/4"



Unit: mm



Non-valved

Valved



PP

POM

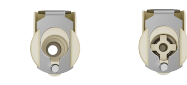
### • Q20/ Female

Adapt to 2.4-4.8mm tube ID

| Model          | Tube ID | A   | B   | C    |
|----------------|---------|-----|-----|------|
| Q2002-SNV(X)-L | 2.4     | 2.4 | 4.5 | 11.4 |
| Q2004-SNV(X)-L | 4.8     | 4.1 | 7.9 | 16.4 |



Unit: mm



Non-valved

Valved



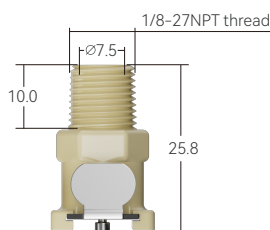
PP

POM

### • Q20/ Female

Adapt to 1/8-27NPT thread

| Model           | Thread    |
|-----------------|-----------|
| Q2018N-SNV(X)-S | 1/8-27NPT |

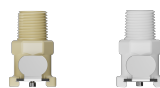


Unit: mm



Non-valved

Valved



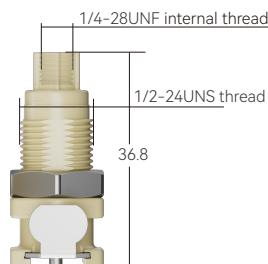
PP

POM

### • Q20/ Female

Adapt to 1/8-27NPT thread

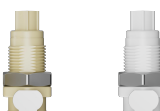
| Model           | Thread    |
|-----------------|-----------|
| Q2018T-SMV(X)-S | 1/8-27NPT |



Unit: mm



Valved



PP

POM

### • Q20/ Panel Mount Female

Adapt to 1/4-28UNF internal thread

| Model        | Thread                    |
|--------------|---------------------------|
| Q2028U-SMV-S | 1/4-28UNF internal thread |

## ① Basic parameters

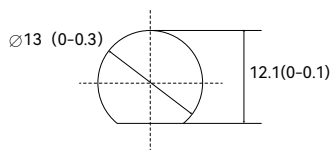
| Series                |                     | Q20-POM                                           | Q20-PP          |
|-----------------------|---------------------|---------------------------------------------------|-----------------|
| CPC Model             |                     | PMC series                                        | PMC 12 series   |
| Linktech Model        |                     | 20 AC series                                      | 20 PP series    |
| Applicable conditions | Work Pressure       | 120 psi(8.3bar)                                   | 120 psi(8.3bar) |
|                       | Work temperature    | -40°C~82°C                                        | 0°C~71°C        |
|                       | Tube ID             | 1/16"(1.6mm)~1/4"(6.4mm)                          |                 |
|                       | Threaded port       | Male thread 1/8-27NPT and Female thread 1/4-28UNF |                 |
| Materials             | Spring, button      | SUS 316                                           | SUS 316         |
|                       | Sealing ring*       | NBR                                               | EPDM            |
|                       | Housing, valve core | POM-White                                         | PP-Beige        |

\*Sealing ring: Customizable FKM material

## ① Assembly tips

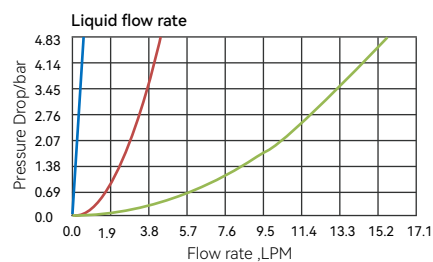
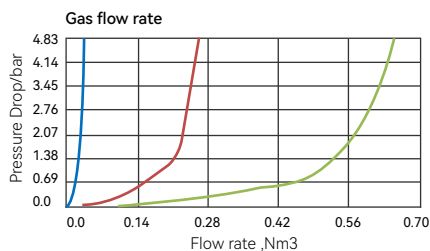
|                  |                               |            |
|------------------|-------------------------------|------------|
| Panel Mount Size | Panel Mount Thread            | 1/2-24UNS  |
|                  | Hexagon nut size              | 5/8"(16mm) |
|                  | Recommended panel mount holes | 12.7~13mm  |

Unit: mm

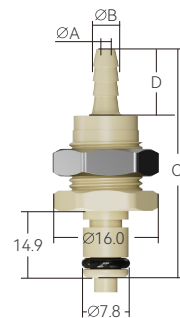


## ① Q20 Series flow coefficient

— 1/16" — 1/8" — 1/4"



## Q20 Series Male



Unit: mm



Non-valved



Valved



PP

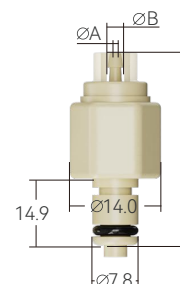


POM

### • Q20/ Panel Mount Male

Adapt to 1.6~4.8mm tube ID

| Model          | Tube ID | A   | B    | C    | D    |
|----------------|---------|-----|------|------|------|
| Q2001-PMV(X)-S | 1.6     | 1.2 | 2.4  | 18.9 | 5.0  |
| Q2002-PMV(X)-S | 2.4     | 2.4 | 4.5  | 41.7 | 11.4 |
| Q2003-PMV(X)-S | 3.2     | 3.2 | 6.05 | 43.1 | 15.4 |
| Q2004-PMV(X)-S | 4.8     | 4.7 | 7.9  | 43.1 | 15.4 |



Unit: mm



Valved



PP



POM

### • Q20/ Male

Adapt to 1.6~4.8mm tube ID

| Model       | Tube ID | A   | B   | C    |
|-------------|---------|-----|-----|------|
| Q2001-PNV-S | 1.6     | 1.2 | 2.4 | 33.0 |
| Q2002-PNV-S | 2.4     | 2.4 | 4.5 | 39.4 |
| Q2003-PNV-S | 3.2     | 3.2 | 6.1 | 43.4 |
| Q2004-PNV-S | 4.8     | 4.8 | 7.9 | 43.4 |



Unit: mm



Non-valved



PP



POM

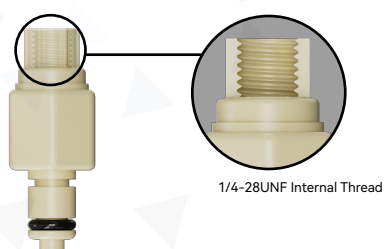
### • Q20/ Panel Mount Male

Adapt to 1.6~4.8mm tube ID

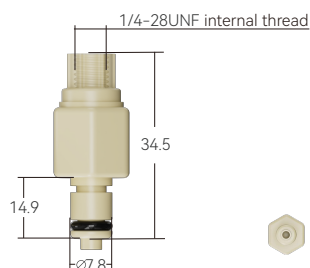
| Model       | Tube ID | A   | B    | C    |
|-------------|---------|-----|------|------|
| Q2001-PNX-S | 1.6     | 1.2 | 2.4  | 18.9 |
| Q2002-PNX-S | 2.4     | 2.4 | 4.5  | 25.3 |
| Q2003-PNX-S | 3.2     | 3.2 | 6.05 | 29.3 |
| Q2004-PNX-S | 4.8     | 4.7 | 7.9  | 30.3 |

## Assembly tips

1.Q2028U series is female thread and the port is 1/4-28UNF female thread.



1/4-28UNF Internal Thread



Unit: mm

Valved



PP



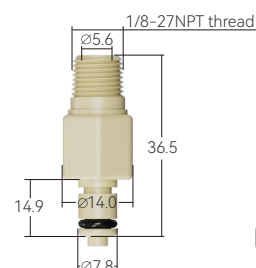
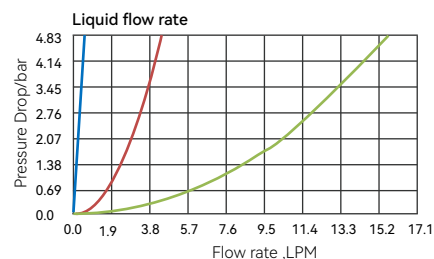
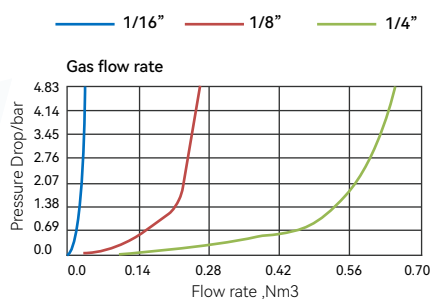
POM

### • Q20/ Male

Adapt to 1/4-28UNF internal thread

| Model        | Thread                    |
|--------------|---------------------------|
| Q2028U-PNV-S | 1/4-28UNF internal thread |

## Q20 Series flow coefficient



Unit: mm

Valved



PP

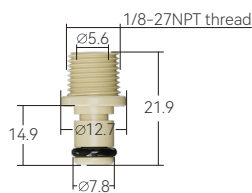


POM

### • Q20/ Male

Adapt to 1/8-27NPT thread

| Model        | Thread    |
|--------------|-----------|
| Q2018N-PNV-S | 1/8-27NPT |



Unit: mm

Non-valved



PP

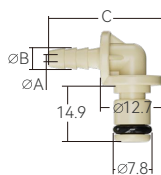


POM

### • Q20/ Male

Adapt to 1/8-27NPT thread

| Model        | Thread    |
|--------------|-----------|
| Q2018N-PNX-S | 1/8-27NPT |



Unit: mm



Non-valved



PP



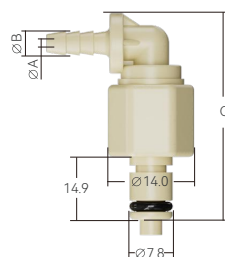
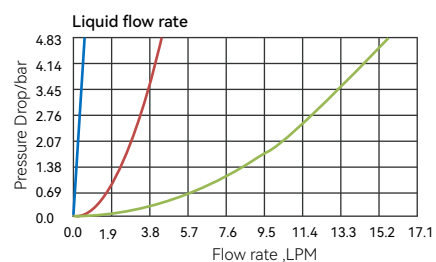
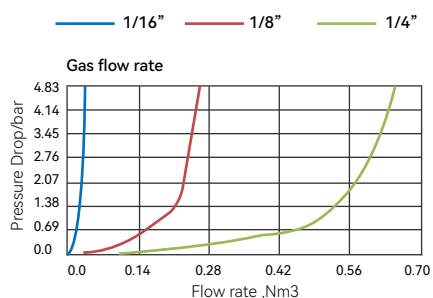
POM

### • Q20/ Male

Adapt to 2.4-4.8mm Tube ID

| Model       | Tube ID | A   | B   | C     |
|-------------|---------|-----|-----|-------|
| Q2002-PNX-L | 2.4     | 2.4 | 4.5 | 24.23 |
| Q2004-PNX-L | 4.8     | 4.8 | 7.9 | 29.78 |

## Q20 Series flow coefficient



Unit: mm



Valved



PP



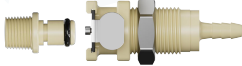
POM

### • Q20/ Male

Adapt to 2.4-14.8mm Tube ID

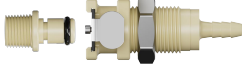
| Model       | Tube ID | A   | B   | C    |
|-------------|---------|-----|-----|------|
| Q2002-PNV-L | 2.4     | 2.4 | 4.5 | 37.5 |
| Q2004-PNV-L | 4.8     | 4.8 | 7.9 | 37.5 |

## Q20/ Quick Disconnect Coupling

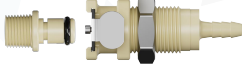
| Q20                                                                               | - 02                                                                                                                               | - P                  | - M             | - V             | - S                    | - PP             | - E                   |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|----------------------|-----------------|-----------------|------------------------|------------------|-----------------------|
| Q20 Quick Disconnect Coupling                                                     | Tube OD Or Thread                                                                                                                  | Male/ Female         | Panel Mount     | Valved          | Shape                  | Housing Material | Sealing Ring Material |
|  | 01 -1/16"(1.6mm)<br>02 -1/8" (3.2mm)<br>03 -3/16"(4.8mm)<br>04 -1/4" (6.4mm)<br>18N -1/8-27NPT<br>18T -1/8-27NPT<br>28U -1/4-28UNF | P -Male<br>S -Female | M -Yes<br>N -No | V -Yes<br>X -No | S -In-line<br>L -Elbow | PP-PP<br>AC-POM  | N-NBR<br>E-EPDM       |

| Product Code | Model          | Tube ID Or Thread | Male/ Female | Panel Mount | Valved | Shape   | Housing Material | Sealing Ring Material | Package   |
|--------------|----------------|-------------------|--------------|-------------|--------|---------|------------------|-----------------------|-----------|
| 839041       | Q2001-PMV-SACN | 1.6mm             | Male         | Yes         | Yes    | In-line | POM              | NBR                   | 25pcs/pkg |
| 839130       | Q2001-PMV-SACN | 1.6mm             | Male         | Yes         | Yes    | In-line | POM              | NBR                   | 25pcs/pkg |
| 839019       | Q2001-PMX-SACN | 1.6mm             | Male         | Yes         | No     | In-line | POM              | NBR                   | 25pcs/pkg |
| 839034       | Q2001-PNV-SACN | 1.6mm             | Male         | No          | Yes    | In-line | POM              | NBR                   | 25pcs/pkg |
| 839120       | Q2001-PNX-SACE | 1.6mm             | Male         | No          | No     | In-line | POM              | EPDM                  | 25pcs/pkg |
| 839012       | Q2001-PNX-SACN | 1.6mm             | Male         | No          | No     | In-line | POM              | NBR                   | 25pcs/pkg |
| 839085       | Q2001-PMV-SPPE | 1.6mm             | Male         | Yes         | Yes    | In-line | PP               | EPDM                  | 25pcs/pkg |
| 839063       | Q2001-PMX-SPPE | 1.6mm             | Male         | Yes         | No     | In-line | PP               | EPDM                  | 25pcs/pkg |
| 839078       | Q2001-PNV-SPPE | 1.6mm             | Male         | No          | Yes    | In-line | PP               | EPDM                  | 25pcs/pkg |
| 839056       | Q2001-PNX-SPPE | 1.6mm             | Male         | No          | No     | In-line | PP               | EPDM                  | 25pcs/pkg |
| 839030       | Q2001-SMV-SACN | 1.6mm             | Female       | Yes         | Yes    | In-line | POM              | NBR                   | 25pcs/pkg |
| 839115       | Q2001-SMV-SACN | 1.6mm             | Female       | Yes         | Yes    | In-line | POM              | NBR                   | 25pcs/pkg |
| 839008       | Q2001-SMX-SACN | 1.6mm             | Female       | Yes         | No     | In-line | POM              | NBR                   | 25pcs/pkg |
| 839133       | Q2001-SMX-SACN | 1.6mm             | Female       | Yes         | No     | In-line | POM              | NBR                   | 25pcs/pkg |
| 839023       | Q2001-SNV-SACN | 1.6mm             | Female       | No          | Yes    | In-line | POM              | NBR                   | 25pcs/pkg |
| 839001       | Q2001-SNX-SACN | 1.6mm             | Female       | No          | No     | In-line | POM              | NBR                   | 25pcs/pkg |
| 839074       | Q2001-SMV-SPPE | 1.6mm             | Female       | Yes         | Yes    | In-line | PP               | EPDM                  | 25pcs/pkg |
| 839052       | Q2001-SMX-SPPE | 1.6mm             | Female       | Yes         | No     | In-line | PP               | EPDM                  | 25pcs/pkg |
| 839067       | Q2001-SNV-SPPE | 1.6mm             | Female       | No          | Yes    | In-line | PP               | EPDM                  | 25pcs/pkg |
| 839045       | Q2001-SNX-SPPE | 1.6mm             | Female       | No          | No     | In-line | PP               | EPDM                  | 25pcs/pkg |
| 839042       | Q2002-PMV-SACN | 3.2mm             | Male         | Yes         | Yes    | In-line | POM              | NBR                   | 25pcs/pkg |
| 839119       | Q2002-PMX-SACE | 3.2mm             | Male         | Yes         | No     | In-line | POM              | EPDM                  | 25pcs/pkg |
| 839020       | Q2002-PMX-SACN | 3.2mm             | Male         | Yes         | No     | In-line | POM              | NBR                   | 25pcs/pkg |
| 839035       | Q2002-PNV-SACN | 3.2mm             | Male         | No          | Yes    | In-line | POM              | NBR                   | 25pcs/pkg |
| 839099       | Q2002-PNX-SACE | 3.2mm             | Male         | No          | No     | In-line | POM              | EPDM                  | 25pcs/pkg |
| 839013       | Q2002-PNX-SACN | 3.2mm             | Male         | No          | No     | In-line | POM              | NBR                   | 25pcs/pkg |
| 839086       | Q2002-PMV-SPPE | 3.2mm             | Male         | Yes         | Yes    | In-line | PP               | EPDM                  | 25pcs/pkg |
| 839064       | Q2002-PMX-SPPE | 3.2mm             | Male         | Yes         | No     | In-line | PP               | EPDM                  | 25pcs/pkg |
| 839138       | Q2002-PMX-SPPE | 3.2mm             | Male         | Yes         | No     | In-line | PP               | EPDM                  | 25pcs/pkg |
| 839079       | Q2002-PNV-SPPE | 3.2mm             | Male         | No          | Yes    | In-line | PP               | EPDM                  | 25pcs/pkg |
| 839057       | Q2002-PNX-SPPE | 3.2mm             | Male         | No          | No     | In-line | PP               | EPDM                  | 25pcs/pkg |
| 839038       | Q2002-PNV-LACN | 3.2mm             | Male         | No          | Yes    | Elbow   | POM              | NBR                   | 25pcs/pkg |
| 839016       | Q2002-PNX-LACN | 3.2mm             | Male         | No          | No     | Elbow   | POM              | NBR                   | 25pcs/pkg |
| 839082       | Q2002-PNV-LPPE | 3.2mm             | Male         | No          | Yes    | Elbow   | PP               | EPDM                  | 25pcs/pkg |
| 839060       | Q2002-PNX-LPPE | 3.2mm             | Male         | No          | No     | Elbow   | PP               | EPDM                  | 25pcs/pkg |
| 839098       | Q2002-PNX-LPPE | 3.2mm             | Male         | No          | No     | Elbow   | PP               | EPDM                  | 25pcs/pkg |
| 839031       | Q2002-SMV-SACN | 3.2mm             | Female       | Yes         | Yes    | In-line | POM              | NBR                   | 25pcs/pkg |
| 839009       | Q2002-SMX-SACN | 3.2mm             | Female       | Yes         | No     | In-line | POM              | NBR                   | 25pcs/pkg |
| 839103       | Q2002-SMX-SACN | 3.2mm             | Female       | Yes         | No     | In-line | POM              | NBR                   | 25pcs/pkg |

# Q20 - 02 - P - M - V - S - PP - E

| Q20 Quick Disconnect Coupling                                                     | Tube OD Or Thread                                                                                                                  | Male/Female          | Panel Mount     | Valved          | Shape                  | Housing Material | Sealing Ring Material |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|----------------------|-----------------|-----------------|------------------------|------------------|-----------------------|
|  | 01 -1/16"(1.6mm)<br>02 -1/8" (3.2mm)<br>03 -3/16"(4.8mm)<br>04 -1/4" (6.4mm)<br>18N -1/8-27NPT<br>18T -1/8-27NPT<br>28U -1/4-28UNF | P -Male<br>S -Female | M -Yes<br>N -No | V -Yes<br>X -No | S -In-line<br>L -Elbow | PP-PP<br>AC-POM  | N-NBR<br>E-EPDM       |

| Product Code | Model          | Tube ID Or Thread | Male/Female | Panel Mount | Valved | Shape   | Housing Material | Sealing Ring Material | Package   |
|--------------|----------------|-------------------|-------------|-------------|--------|---------|------------------|-----------------------|-----------|
| 839024       | Q2002-SNV-SACN | 3.2mm             | Female      | No          | Yes    | In-line | POM              | NBR                   | 25pcs/pkg |
| 839002       | Q2002-SNX-SACN | 3.2mm             | Female      | No          | No     | In-line | POM              | NBR                   | 25pcs/pkg |
| 839075       | Q2002-SMV-SPPE | 3.2mm             | Female      | Yes         | Yes    | In-line | PP               | EPDM                  | 25pcs/pkg |
| 839053       | Q2002-SMX-SPPE | 3.2mm             | Female      | Yes         | No     | In-line | PP               | EPDM                  | 25pcs/pkg |
| 839116       | Q2002-SMX-SPPE | 3.2mm             | Female      | Yes         | No     | In-line | PP               | EPDM                  | 25pcs/pkg |
| 839068       | Q2002-SNV-SPPE | 3.2mm             | Female      | No          | Yes    | In-line | PP               | EPDM                  | 25pcs/pkg |
| 839046       | Q2002-SNX-SPPE | 3.2mm             | Female      | No          | No     | In-line | PP               | EPDM                  | 25pcs/pkg |
| 839027       | Q2002-SNV-LACN | 3.2mm             | Female      | No          | Yes    | Elbow   | POM              | NBR                   | 25pcs/pkg |
| 839005       | Q2002-SNX-LACN | 3.2mm             | Female      | No          | No     | Elbow   | POM              | NBR                   | 25pcs/pkg |
| 839071       | Q2002-SNV-LPPE | 3.2mm             | Female      | No          | Yes    | Elbow   | PP               | EPDM                  | 25pcs/pkg |
| 839049       | Q2002-SNX-LPPE | 3.2mm             | Female      | No          | No     | Elbow   | PP               | EPDM                  | 25pcs/pkg |
| 839131       | Q2003-PMV-SACE | 4.8mm             | Male        | Yes         | Yes    | In-line | POM              | EPDM                  | 25pcs/pkg |
| 839043       | Q2003-PMV-SACN | 4.8mm             | Male        | Yes         | Yes    | In-line | POM              | NBR                   | 25pcs/pkg |
| 839021       | Q2003-PMX-SACN | 4.8mm             | Male        | Yes         | No     | In-line | POM              | NBR                   | 25pcs/pkg |
| 839036       | Q2003-PNV-SACN | 4.8mm             | Male        | No          | Yes    | In-line | POM              | NBR                   | 25pcs/pkg |
| 839100       | Q2003-PNX-SACE | 4.8mm             | Male        | No          | No     | In-line | POM              | EPDM                  | 25pcs/pkg |
| 839014       | Q2003-PNX-SACN | 4.8mm             | Male        | No          | No     | In-line | POM              | NBR                   | 25pcs/pkg |
| 839087       | Q2003-PMV-SPPE | 4.8mm             | Male        | Yes         | Yes    | In-line | PP               | EPDM                  | 25pcs/pkg |
| 839065       | Q2003-PMX-SPPE | 4.8mm             | Male        | Yes         | No     | In-line | PP               | EPDM                  | 25pcs/pkg |
| 839080       | Q2003-PNV-SPPE | 4.8mm             | Male        | No          | Yes    | In-line | PP               | EPDM                  | 25pcs/pkg |
| 839058       | Q2003-PNX-SPPE | 4.8mm             | Male        | No          | No     | In-line | PP               | EPDM                  | 25pcs/pkg |
| 839032       | Q2003-SMV-SACN | 4.8mm             | Female      | Yes         | Yes    | In-line | POM              | NBR                   | 25pcs/pkg |
| 839010       | Q2003-SMX-SACN | 4.8mm             | Female      | Yes         | No     | In-line | POM              | NBR                   | 25pcs/pkg |
| 839132       | Q2003-SNV-SACE | 4.8mm             | Female      | No          | Yes    | In-line | POM              | EPDM                  | 25pcs/pkg |
| 839025       | Q2003-SNV-SACN | 4.8mm             | Female      | No          | Yes    | In-line | POM              | NBR                   | 25pcs/pkg |
| 839003       | Q2003-SNX-SACN | 4.8mm             | Female      | No          | No     | In-line | POM              | NBR                   | 25pcs/pkg |
| 839076       | Q2003-SMV-SPPE | 4.8mm             | Female      | Yes         | Yes    | In-line | PP               | EPDM                  | 25pcs/pkg |
| 839127       | Q2003-SMV-SPPE | 4.8mm             | Female      | Yes         | Yes    | In-line | PP               | EPDM                  | 25pcs/pkg |
| 839054       | Q2003-SMX-SPPE | 4.8mm             | Female      | Yes         | No     | In-line | PP               | EPDM                  | 25pcs/pkg |
| 839069       | Q2003-SNV-SPPE | 4.8mm             | Female      | No          | Yes    | In-line | PP               | EPDM                  | 25pcs/pkg |
| 839047       | Q2003-SNX-SPPE | 4.8mm             | Female      | No          | No     | In-line | PP               | EPDM                  | 25pcs/pkg |
| 839044       | Q2004-PMV-SACN | 6.4mm             | Male        | Yes         | Yes    | In-line | POM              | NBR                   | 25pcs/pkg |
| 839022       | Q2004-PMX-SACN | 6.4mm             | Male        | Yes         | No     | In-line | POM              | NBR                   | 25pcs/pkg |
| 839037       | Q2004-PNV-SACN | 6.4mm             | Male        | No          | Yes    | In-line | POM              | NBR                   | 25pcs/pkg |
| 839101       | Q2004-PNX-SACE | 6.4mm             | Male        | No          | No     | In-line | POM              | EPDM                  | 25pcs/pkg |
| 839121       | Q2004-PNX-SACE | 6.4mm             | Male        | No          | No     | In-line | POM              | EPDM                  | 25pcs/pkg |
| 839015       | Q2004-PNX-SACN | 6.4mm             | Male        | No          | No     | In-line | POM              | NBR                   | 25pcs/pkg |
| 839088       | Q2004-PMV-SPPE | 6.4mm             | Male        | Yes         | Yes    | In-line | PP               | EPDM                  | 25pcs/pkg |
| 839066       | Q2004-PMX-SPPE | 6.4mm             | Male        | Yes         | No     | In-line | PP               | EPDM                  | 25pcs/pkg |
| 839139       | Q2004-PMX-SPPE | 6.4mm             | Male        | Yes         | No     | In-line | PP               | EPDM                  | 25pcs/pkg |

| Q20 - 02 - P - M - V - S - PP - E                                                 |                   |                   |             |             |            |                  |                       |                       |           |
|-----------------------------------------------------------------------------------|-------------------|-------------------|-------------|-------------|------------|------------------|-----------------------|-----------------------|-----------|
| Q20 Quick Disconnect Coupling                                                     | Tube OD Or Thread | Male/Female       | Panel Mount | Valved      | Shape      | Housing Material | Sealing Ring Material |                       |           |
|  | 01 -1/16"(1.6mm)  | P -Male           | M -Yes      | V -Yes      | S -In-line | PP-PP            | N-NBR                 |                       |           |
|                                                                                   | 02 -1/8" (3.2mm)  | S -Female         | N -No       | X -No       | L -Elbow   | AC-POM           | E -EPDM               |                       |           |
|                                                                                   | 03 -3/16"(4.8mm)  |                   |             |             |            |                  |                       |                       |           |
|                                                                                   | 04 -1/4" (6.4mm)  |                   |             |             |            |                  |                       |                       |           |
|                                                                                   | 18N -1/8-27NPT    |                   |             |             |            |                  |                       |                       |           |
|                                                                                   | 18T -1/8-27NPT    |                   |             |             |            |                  |                       |                       |           |
|                                                                                   | 28U -1/4-28UNF    |                   |             |             |            |                  |                       |                       |           |
| Product Code                                                                      | Model             | Tube ID Or Thread | Male/Female | Panel Mount | Valved     | Shape            | Housing Material      | Sealing Ring Material | Package   |
| 839081                                                                            | Q2004-PNV-SPPE    | 6.4mm             | Male        | No          | Yes        | In-line          | PP                    | EPDM                  | 25pcs/pkg |
| 839059                                                                            | Q2004-PNX-SPPE    | 6.4mm             | Male        | No          | No         | In-line          | PP                    | EPDM                  | 25pcs/pkg |
| 839039                                                                            | Q2004-PNV-LACN    | 6.4mm             | Male        | No          | Yes        | Elbow            | POM                   | NBR                   | 25pcs/pkg |
| 839017                                                                            | Q2004-PNX-LACN    | 6.4mm             | Male        | No          | No         | Elbow            | POM                   | NBR                   | 25pcs/pkg |
| 839083                                                                            | Q2004-PNV-LPPE    | 6.4mm             | Male        | No          | Yes        | Elbow            | PP                    | EPDM                  | 25pcs/pkg |
| 839061                                                                            | Q2004-PNX-LPPE    | 6.4mm             | Male        | No          | No         | Elbow            | PP                    | EPDM                  | 25pcs/pkg |
| 839033                                                                            | Q2004-SMV-SACN    | 6.4mm             | Female      | Yes         | Yes        | In-line          | POM                   | NBR                   | 25pcs/pkg |
| 839114                                                                            | Q2004-SMV-SACN    | 6.4mm             | Female      | Yes         | Yes        | In-line          | POM                   | NBR                   | 25pcs/pkg |
| 839124                                                                            | Q2004-SMV-SACN    | 6.4mm             | Female      | Yes         | Yes        | In-line          | POM                   | NBR                   | 25pcs/pkg |
| 839011                                                                            | Q2004-SMX-SACN    | 6.4mm             | Female      | Yes         | No         | In-line          | POM                   | NBR                   | 25pcs/pkg |
| 839134                                                                            | Q2004-SMX-SACN    | 6.4mm             | Female      | Yes         | No         | In-line          | POM                   | NBR                   | 25pcs/pkg |
| 839026                                                                            | Q2004-SNV-SACN    | 6.4mm             | Female      | No          | Yes        | In-line          | POM                   | NBR                   | 25pcs/pkg |
| 839004                                                                            | Q2004-SNX-SACN    | 6.4mm             | Female      | No          | No         | In-line          | POM                   | NBR                   | 25pcs/pkg |
| 839077                                                                            | Q2004-SMV-SPPE    | 6.4mm             | Female      | Yes         | Yes        | In-line          | PP                    | EPDM                  | 25pcs/pkg |
| 839055                                                                            | Q2004-SMX-SPPE    | 6.4mm             | Female      | Yes         | No         | In-line          | PP                    | EPDM                  | 25pcs/pkg |
| 839070                                                                            | Q2004-SNV-SPPE    | 6.4mm             | Female      | No          | Yes        | In-line          | PP                    | EPDM                  | 25pcs/pkg |
| 839048                                                                            | Q2004-SNX-SPPE    | 6.4mm             | Female      | No          | No         | In-line          | PP                    | EPDM                  | 25pcs/pkg |
| 839028                                                                            | Q2004-SNV-LACN    | 6.4mm             | Female      | No          | Yes        | Elbow            | POM                   | NBR                   | 25pcs/pkg |
| 839006                                                                            | Q2004-SNX-LACN    | 6.4mm             | Female      | No          | No         | Elbow            | POM                   | NBR                   | 25pcs/pkg |
| 839072                                                                            | Q2004-SNV-LPPE    | 6.4mm             | Female      | No          | Yes        | Elbow            | PP                    | EPDM                  | 25pcs/pkg |
| 839050                                                                            | Q2004-SNX-LPPE    | 6.4mm             | Female      | No          | No         | Elbow            | PP                    | EPDM                  | 25pcs/pkg |
| 839108                                                                            | Q2028U-PNV-SACN   | 1/4-28UNF         | Male        | No          | Yes        | In-line          | POM                   | NBR                   | 25pcs/pkg |
| 839106                                                                            | Q2028U-PNV-SPPE   | 1/4-28UNF         | Male        | No          | Yes        | In-line          | PP                    | EPDM                  | 25pcs/pkg |
| 839107                                                                            | Q2028U-SMV-SACN   | 1/4-28UNF         | Female      | Yes         | Yes        | In-line          | POM                   | NBR                   | 25pcs/pkg |
| 839105                                                                            | Q2028U-SMV-SPPE   | 1/4-28UNF         | Female      | Yes         | Yes        | In-line          | PP                    | EPDM                  | 25pcs/pkg |
| 839040                                                                            | Q2018N-PNV-SACN   | 1/8-27NPT         | Male        | No          | Yes        | In-line          | POM                   | NBR                   | 25pcs/pkg |
| 839018                                                                            | Q2018N-PNX-SACN   | 1/8-27NPT         | Male        | No          | No         | In-line          | POM                   | NBR                   | 25pcs/pkg |
| 839084                                                                            | Q2018N-PNV-SPPE   | 1/8-27NPT         | Male        | No          | Yes        | In-line          | PP                    | EPDM                  | 25pcs/pkg |
| 839062                                                                            | Q2018N-PNX-SPPE   | 1/8-27NPT         | Male        | No          | No         | In-line          | PP                    | EPDM                  | 25pcs/pkg |
| 839029                                                                            | Q2018N-SNV-SACN   | 1/8-27NPT         | Female      | No          | Yes        | In-line          | POM                   | NBR                   | 25pcs/pkg |
| 839109                                                                            | Q2018T-SNV-SACN   | 1/8-27NPT         | Female      | No          | Yes        | In-line          | POM                   | NBR                   | 25pcs/pkg |
| 839007                                                                            | Q2018N-SNX-SACN   | 1/8-27NPT         | Female      | No          | No         | In-line          | POM                   | NBR                   | 25pcs/pkg |
| 839110                                                                            | Q2018T-SNX-SACN   | 1/8-27NPT         | Female      | No          | No         | In-line          | POM                   | NBR                   | 25pcs/pkg |
| 839073                                                                            | Q2018N-SNV-SPPE   | 1/8-27NPT         | Female      | No          | Yes        | In-line          | PP                    | EPDM                  | 25pcs/pkg |
| 839097                                                                            | Q2018T-SNV-SPPE   | 1/8-27NPT         | Female      | No          | Yes        | In-line          | PP                    | EPDM                  | 25pcs/pkg |
| 839051                                                                            | Q2018N-SNX-SPPE   | 1/8-27NPT         | Female      | No          | No         | In-line          | PP                    | EPDM                  | 25pcs/pkg |
| 839104                                                                            | Q2018T-SNX-SPPE   | 1/8-27NPT         | Female      | No          | No         | In-line          | PP                    | EPDM                  | 25pcs/pkg |



## Basic parameters

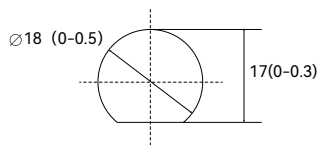
| Series                | Q40-POM             | Q40-PP                                            |
|-----------------------|---------------------|---------------------------------------------------|
| CPCModel              | PMC series          | PMC 12 series                                     |
| LinktechModel         | 40 AC series        | 40 PP series                                      |
| Applicable conditions | Work Pressure       | 120 psi (8.3 bar)                                 |
|                       | Work temperature    | -40°C~82°C                                        |
|                       | Tube ID             | 1/4"(6.4mm)~3/8"(9.5mm)                           |
|                       | Threaded port       | Male thread 1/8-27NPT and Female thread 1/4-28UNF |
| Materials             | Spring, button      | SUS 316                                           |
|                       | Sealing ring*       | NBR                                               |
|                       | Housing, valve core | POM-White                                         |

\*Sealing ring: Customizable FKM material

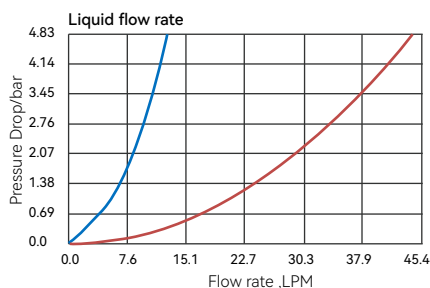
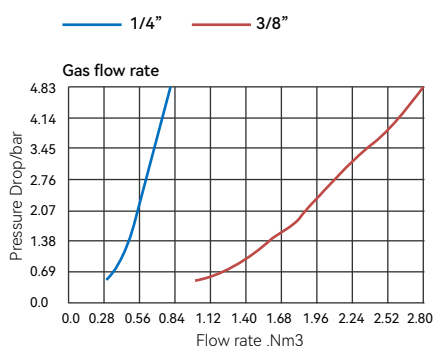
## Assembly tips

|                  |                               |                |
|------------------|-------------------------------|----------------|
| Panel Mount Size | Panel Mount Thread            | 11/16"-24UNS   |
|                  | Hexagon nut size              | 13/16"(20.7mm) |
|                  | Recommended panel mount holes | 17.5~18mm      |

Unit: mm



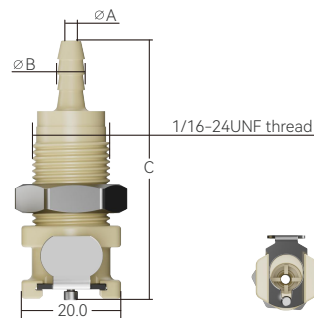
## Q40 Series flow coefficient



# Q40 Series

- Housing: PP or POM ; Seals: NBR, EPDM , or FKM;
- Tube Size: 6.4mm~9.5mm OD;
- Threaded Ports: 1/4-18NPT;
- Mounting: Panel mount / No Panel mount;
- Flow Control: Valved / Non-valved;
- Geometry: Straight / 90° Elbow;
- REACH / RoHS certifications and MSDS.

## Q40 Series Female



Unit: mm

Non-valved

Valved

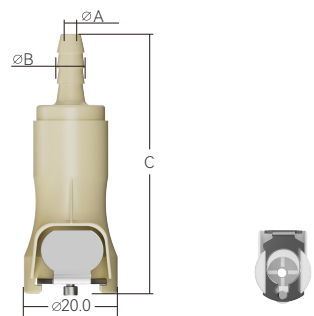
PP

POM

## • Q40/Panel Mount Female

Adapt to 6.4~9.5mm tube ID

| Model          | Tube ID | A   | B    | C    |
|----------------|---------|-----|------|------|
| Q4004-SMV(X)-S | 6.4     | 4.7 | 7.9  | 50.7 |
| Q4005-SMV(X)-S | 7.9     | 6.1 | 9.1  | 50.7 |
| Q4006-SMV(X)-S | 9.5     | 7.2 | 10.6 | 50.7 |



Unit: mm

Non-valved

Valved

PP

POM

## • Q40/Female

Adapt to 6.4~9.5mm tube ID

| Model          | Tube ID | A   | B    | C    |
|----------------|---------|-----|------|------|
| Q4004-SNV(X)-S | 6.4     | 4.7 | 7.9  | 50.7 |
| Q4005-SNV(X)-S | 7.9     | 6.1 | 9.1  | 50.7 |
| Q4006-SNV(X)-S | 9.5     | 7.2 | 10.6 | 50.7 |

## Basic parameters

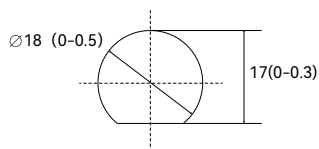
| Series                |                     | Q40-POM                                           | Q40-PP            |
|-----------------------|---------------------|---------------------------------------------------|-------------------|
| CPCModel              |                     | PMC series                                        | PMC 12 series     |
| LinktechModel         |                     | 40 AC series                                      | 40 PP series      |
| Applicable conditions | Work Pressure       | 120 psi (8.3 bar)                                 | 120 psi (8.3 bar) |
|                       | Work temperature    | -40°C~82°C                                        | 0°C~71°C          |
|                       | Tube ID             | 1/4" (6.4mm)~3/8" (9.5mm)                         |                   |
|                       | Threaded port       | Male thread 1/8-27NPT and Female thread 1/4-28UNF |                   |
| Materials             | Spring, button      | SUS 316                                           | SUS 316           |
|                       | Sealing ring*       | NBR                                               | EPDM              |
|                       | Housing, valve core | POM-White                                         | PP-Beige          |

\*Sealing ring: Customizable FKM material

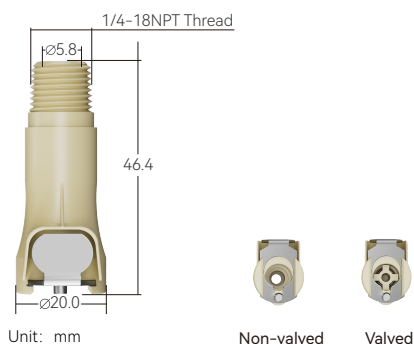
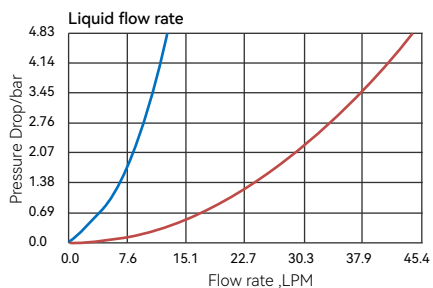
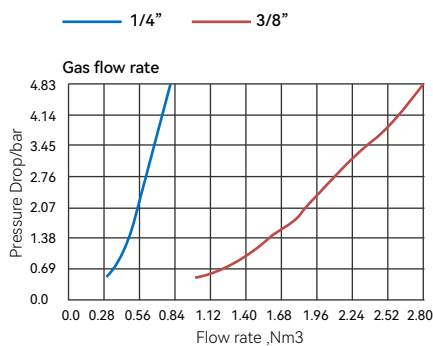
## Assembly tips

|                  |                               |                 |
|------------------|-------------------------------|-----------------|
| Panel Mount Size | Panel Mount Thread            | 11/16"-24UNS    |
|                  | Hexagon nut size              | 13/16" (20.7mm) |
|                  | Recommended panel mount holes | 17.5~18mm       |

Unit: mm



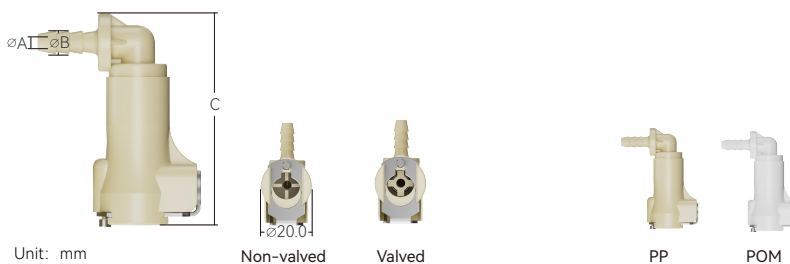
## Q40 Series flow coefficient



### Q40/Female

Adapt to 1/4-18NPT thread

| Model           | Thread    |
|-----------------|-----------|
| Q4014N-SNV(X)-S | 1/4-18NPT |

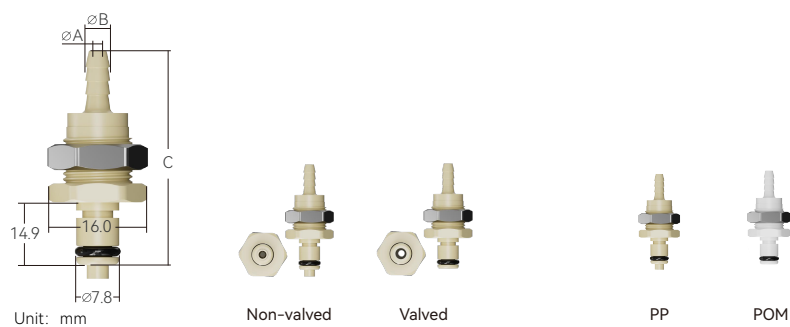


### Q40/Female

Adapt to 6.4mm tube ID

| Model          | Tube ID | A   | B   | C    |
|----------------|---------|-----|-----|------|
| Q4004-SNV(X)-L | 6.4     | 4.7 | 7.9 | 46.2 |

## Q40 Series Male



### Q40/Panel Mount Male

Adapt to 6.4-9.5mm tube ID

| Model       | Tube ID | A   | B    | C    |
|-------------|---------|-----|------|------|
| Q4004-PMV-S | 6.4     | 4.7 | 7.9  | 49.0 |
| Q4005-PMV-S | 7.9     | 6.1 | 9.1  | 49.0 |
| Q4006-PMV-S | 9.5     | 7.2 | 10.6 | 49.0 |

## Basic parameters

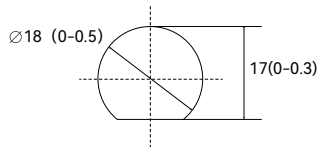
| Series                |                     | Q40-POM                                           | Q40-PP           |
|-----------------------|---------------------|---------------------------------------------------|------------------|
| CPCModel              |                     | PMC series                                        | PMC 12 series    |
| LinktechModel         |                     | 40 AC series                                      | 40 PP series     |
| Applicable conditions | Work Pressure       | 120 psi (8.3 bar)                                 | 120 psi(8.3 bar) |
|                       | Work temperature    | -40°C~82°C                                        | 0°C~71°C         |
|                       | Tube ID             | 1/4"(6.4mm)~3/8"(9.5mm)                           |                  |
|                       | Threaded port       | Male thread 1/8-27NPT and Female thread 1/4-28UNF |                  |
| Materials             | Spring, button      | SUS 316                                           | SUS 316          |
|                       | Sealing ring*       | NBR                                               | EPDM             |
|                       | Housing, valve core | POM-White                                         | PP-Beige         |

\*Sealing ring: Customizable FKM material

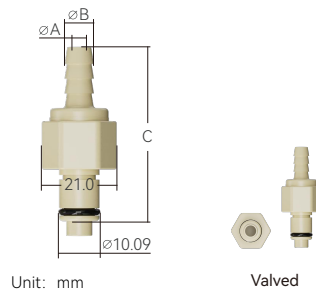
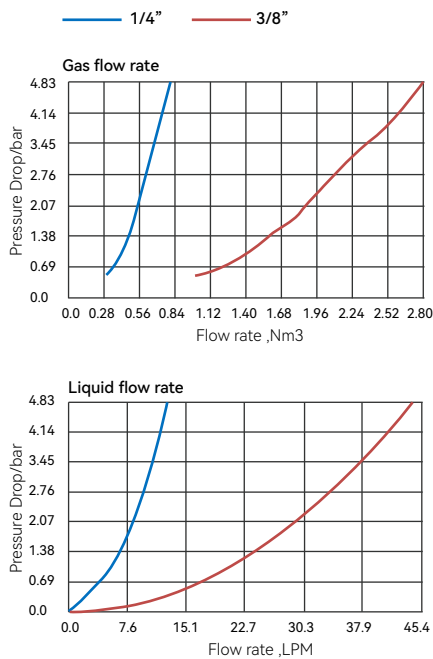
## Assembly tips

|                  |                               |                |
|------------------|-------------------------------|----------------|
| Panel Mount Size | Panel Mount Thread            | 11/16"-24UNS   |
|                  | Hexagon nut size              | 13/16"(20.7mm) |
|                  | Recommended panel mount holes | 17.5~18mm      |

Unit: mm



## Q40 Series flow coefficient



Unit: mm

Valved



PP

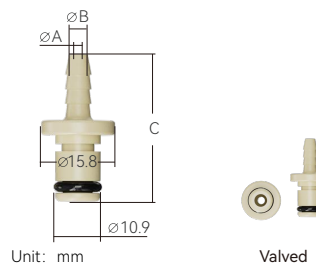


POM

### • Q40/Male

Adapt to 1.6-12.7mm tube ID

| Model       | Tube ID | A   | B    | C    |
|-------------|---------|-----|------|------|
| Q4004-PNV-S | 6.4     | 4.7 | 7.9  | 47.0 |
| Q4005-PNV-S | 7.9     | 6.1 | 9.1  | 47.0 |
| Q4006-PNV-S | 9.5     | 7.2 | 10.6 | 47.0 |



Unit: mm

Valved



PP

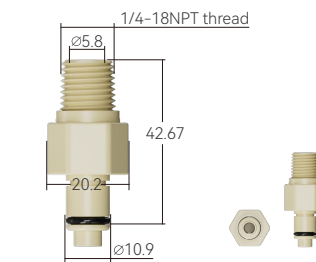


POM

### • Q40/Male

Adapt to 6.4-9.5mm tube ID

| Model       | Tube ID | A   | B    | C    |
|-------------|---------|-----|------|------|
| Q4004-PNX-S | 6.4     | 4.7 | 7.9  | 32.9 |
| Q4005-PNX-S | 7.9     | 6.1 | 9.1  | 32.4 |
| Q4006-PNX-S | 9.5     | 7.2 | 10.6 | 32.4 |



Unit: mm

Valved



PP



POM

### • Q40/Male

Adapt to 1/4-18NPT thread

| Model        | Thread    |
|--------------|-----------|
| Q4014N-PNV-S | 1/4-18NPT |

## Basic parameters

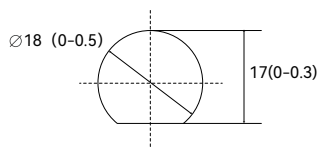
| Series                |                     | Q40-POM                                           | Q40-PP            |
|-----------------------|---------------------|---------------------------------------------------|-------------------|
| CPCModel              |                     | PMC series                                        | PMC 12 series     |
| LinktechModel         |                     | 40 AC series                                      | 40 PP series      |
| Applicable conditions | Work Pressure       | 120 psi (8.3 bar)                                 | 120 psi (8.3 bar) |
|                       | Work temperature    | -40°C~82°C                                        | 0°C~71°C          |
|                       | Tube ID             | 1/4"(6.4mm)~3/8"(9.5mm)                           |                   |
|                       | Threaded port       | Male thread 1/8-27NPT and Female thread 1/4-28UNF |                   |
| Materials             | Spring, button      | SUS 316                                           | SUS 316           |
|                       | Sealing ring*       | NBR                                               | EPDM              |
|                       | Housing, valve core | POM-White                                         | PP-Beige          |

\*Sealing ring: Customizable FKM material

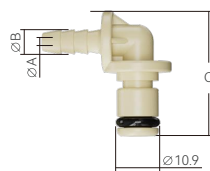
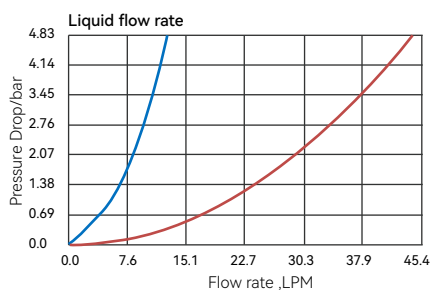
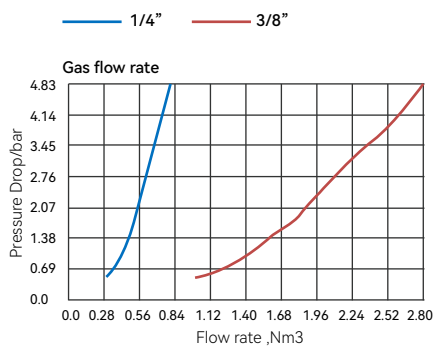
## Assembly tips

|                  |                               |                |
|------------------|-------------------------------|----------------|
| Panel Mount Size | Panel Mount Thread            | 11/16"-24UNS   |
|                  | Hexagon nut size              | 13/16"(20.7mm) |
|                  | Recommended panel mount holes | 17.5~18mm      |

Unit: mm



## Q40 Series flow coefficient



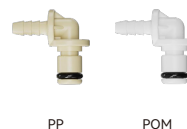
Unit: mm

### • Q40/Male

Adapt to 9.5mm tube ID

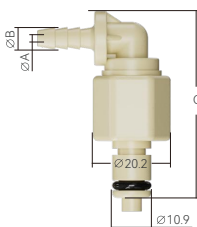
| Model       | Tube ID | A   | B    | C    |
|-------------|---------|-----|------|------|
| Q4006-PNX-L | 9.5     | 7.2 | 10.6 | 29.0 |

Non-valved



PP

POM



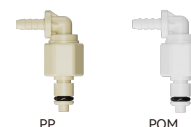
Unit: mm

### • Q40/Male

Adapt to 6.4, 9.5mm tube ID

| Model       | Tube ID | A   | B    | C    |
|-------------|---------|-----|------|------|
| Q4004-PNV-L | 6.4     | 4.7 | 7.9  | 42.5 |
| Q4006-PNV-L | 9.5     | 7.2 | 10.6 | 42.5 |

Valved

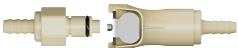


PP

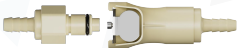
POM

## Q40/Quick Disconnect Coupling

### Q40 - 05 - P - M - V - S - PP - E

| Q40 Quick Disconnect Coupling                                                     | Tube OD Or Thread                                                          | Male/Female          | Panel Mount     | Valved          | Shape                  | Housing Material | Sealing Ring Material |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------|-----------------|-----------------|------------------------|------------------|-----------------------|
|  | 04 -1/4" (6.4mm)<br>05 -5/16"(7.9mm)<br>06 -3/8" (9.5mm)<br>18N -1/4-18NPT | P -Male<br>S -Female | M -Yes<br>N -No | V -Yes<br>X -No | S -In-line<br>L -Elbow | PP-PP<br>AC-POM  | N-NBR<br>E -EPDM      |

| Product Code | Model          | Tube ID Or Thread | Male/Female | Panel Mount | Valved | Shape   | Housing Material | Sealing Ring Material | Package   |
|--------------|----------------|-------------------|-------------|-------------|--------|---------|------------------|-----------------------|-----------|
| 849032       | Q4004-PMV-SACN | 6.4mm             | Male        | Yes         | Yes    | In-line | POM              | NBR                   | 25pcs/pkg |
| 849015       | Q4004-PMX-SACN | 6.4mm             | Male        | Yes         | No     | In-line | POM              | NBR                   | 25pcs/pkg |
| 849071       | Q4004-PMX-SACN | 6.4mm             | Male        | Yes         | No     | In-line | POM              | NBR                   | 25pcs/pkg |
| 849027       | Q4004-PNV-SACN | 6.4mm             | Male        | No          | Yes    | In-line | POM              | NBR                   | 25pcs/pkg |
| 849010       | Q4004-PNX-SACN | 6.4mm             | Male        | No          | No     | In-line | POM              | NBR                   | 25pcs/pkg |
| 849066       | Q4004-PMV-SPPE | 6.4mm             | Male        | Yes         | Yes    | In-line | PP               | EPDM                  | 25pcs/pkg |
| 849049       | Q4004-PMX-SPPE | 6.4mm             | Male        | Yes         | No     | In-line | PP               | EPDM                  | 25pcs/pkg |
| 849061       | Q4004-PNV-SPPE | 6.4mm             | Male        | No          | Yes    | In-line | PP               | EPDM                  | 25pcs/pkg |
| 849044       | Q4004-PNX-SPPE | 6.4mm             | Male        | No          | No     | In-line | PP               | EPDM                  | 25pcs/pkg |
| 849030       | Q4004-PNV-LACN | 6.4mm             | Male        | No          | Yes    | Elbow   | POM              | NBR                   | 25pcs/pkg |
| 849064       | Q4004-PNV-LPPE | 6.4mm             | Male        | No          | Yes    | Elbow   | PP               | EPDM                  | 25pcs/pkg |
| 849024       | Q4004-SMV-SACN | 6.4mm             | Female      | Yes         | Yes    | In-line | POM              | NBR                   | 25pcs/pkg |
| 849007       | Q4004-SMX-SACN | 6.4mm             | Female      | Yes         | No     | In-line | POM              | NBR                   | 25pcs/pkg |
| 849018       | Q4004-SNV-SACN | 6.4mm             | Female      | No          | Yes    | In-line | POM              | NBR                   | 25pcs/pkg |
| 849001       | Q4004-SNX-SACN | 6.4mm             | Female      | No          | No     | In-line | POM              | NBR                   | 25pcs/pkg |
| 849058       | Q4004-SMV-SPPE | 6.4mm             | Female      | Yes         | Yes    | In-line | PP               | EPDM                  | 25pcs/pkg |
| 849041       | Q4004-SMX-SPPE | 6.4mm             | Female      | Yes         | No     | In-line | PP               | EPDM                  | 25pcs/pkg |
| 849052       | Q4004-SNV-SPPE | 6.4mm             | Female      | No          | Yes    | In-line | PP               | EPDM                  | 25pcs/pkg |
| 849035       | Q4004-SNX-SPPE | 6.4mm             | Female      | No          | No     | In-line | PP               | EPDM                  | 25pcs/pkg |
| 849055       | Q4004-SNV-LPPE | 6.4mm             | Female      | No          | Yes    | Elbow   | PP               | EPDM                  | 25pcs/pkg |
| 849033       | Q4005-PMV-SACN | 7.9mm             | Male        | Yes         | Yes    | In-line | POM              | NBR                   | 25pcs/pkg |
| 849016       | Q4005-PMX-SACN | 7.9mm             | Male        | Yes         | No     | In-line | POM              | NBR                   | 25pcs/pkg |
| 849081       | Q4005-PNV-SACE | 7.9mm             | Male        | No          | Yes    | In-line | POM              | EPDM                  | 25pcs/pkg |
| 849028       | Q4005-PNV-SACN | 7.9mm             | Male        | No          | Yes    | In-line | POM              | NBR                   | 25pcs/pkg |
| 849083       | Q4005-PNX-SACE | 7.9mm             | Male        | No          | No     | In-line | POM              | EPDM                  | 25pcs/pkg |
| 849011       | Q4005-PNX-SACN | 7.9mm             | Male        | No          | No     | In-line | POM              | NBR                   | 25pcs/pkg |
| 849067       | Q4005-PMV-SPPE | 7.9mm             | Male        | Yes         | Yes    | In-line | PP               | EPDM                  | 25pcs/pkg |
| 849050       | Q4005-PMX-SPPE | 7.9mm             | Male        | Yes         | No     | In-line | PP               | EPDM                  | 25pcs/pkg |
| 849062       | Q4005-PNV-SPPE | 7.9mm             | Male        | No          | Yes    | In-line | PP               | EPDM                  | 25pcs/pkg |
| 849045       | Q4005-PNX-SPPE | 7.9mm             | Male        | No          | No     | In-line | PP               | EPDM                  | 25pcs/pkg |
| 849025       | Q4005-SMV-SACN | 7.9mm             | Female      | Yes         | Yes    | In-line | POM              | NBR                   | 25pcs/pkg |
| 849008       | Q4005-SMX-SACN | 7.9mm             | Female      | Yes         | No     | In-line | POM              | NBR                   | 25pcs/pkg |
| 849082       | Q4005-SNV-SACE | 7.9mm             | Female      | No          | Yes    | In-line | POM              | EPDM                  | 25pcs/pkg |
| 849019       | Q4005-SNV-SACN | 7.9mm             | Female      | No          | Yes    | In-line | POM              | NBR                   | 25pcs/pkg |
| 849002       | Q4005-SNX-SACN | 7.9mm             | Female      | No          | No     | In-line | POM              | NBR                   | 25pcs/pkg |
| 849059       | Q4005-SMV-SPPE | 7.9mm             | Female      | Yes         | Yes    | In-line | PP               | EPDM                  | 25pcs/pkg |
| 849042       | Q4005-SMX-SPPE | 7.9mm             | Female      | Yes         | No     | In-line | PP               | EPDM                  | 25pcs/pkg |
| 849053       | Q4005-SNV-SPPE | 7.9mm             | Female      | No          | Yes    | In-line | PP               | EPDM                  | 25pcs/pkg |

| Q40 - 05 - P - M - V - S - PP - E                                                 |                   |             |             |        |            |                  |                       |
|-----------------------------------------------------------------------------------|-------------------|-------------|-------------|--------|------------|------------------|-----------------------|
| Q40 Quick Disconnect Coupling                                                     | Tube OD Or Thread | Male/Female | Panel Mount | Valved | Shape      | Housing Material | Sealing Ring Material |
|  | 04 -1/4" (6.4mm)  | P -Male     | M -Yes      | V -Yes | S -In-line | PP-PP            | N-NBR                 |
|                                                                                   | 05 -5/16" (7.9mm) | S -Female   | N -No       | X -No  | L -Elbow   | AC-POM           | E-EPDM                |
|                                                                                   | 06 -3/8" (9.5mm)  |             |             |        |            |                  |                       |
|                                                                                   | 18N -1/4-18NPT    |             |             |        |            |                  |                       |

| Product Code | Model           | Tube ID Or Thread | Male/Female | Panel Mount | Valved | Shape   | Housing Material | Sealing Ring Material | Package   |
|--------------|-----------------|-------------------|-------------|-------------|--------|---------|------------------|-----------------------|-----------|
| 849036       | Q4005-SNX-SPPE  | 7.9mm             | Female      | No          | No     | In-line | PP               | EPDM                  | 25pcs/pkg |
| 849017       | Q4006-PMV-SACN  | 9.5mm             | Male        | Yes         | Yes    | In-line | POM              | NBR                   | 25pcs/pkg |
| 849020       | Q4006-PMX-SACN  | 9.5mm             | Male        | Yes         | No     | In-line | POM              | NBR                   | 25pcs/pkg |
| 849026       | Q4006-PNV-SACN  | 9.5mm             | Male        | No          | Yes    | In-line | POM              | NBR                   | 25pcs/pkg |
| 849075       | Q4006-PNX-SACE  | 9.5mm             | Male        | No          | No     | In-line | POM              | EPDM                  | 25pcs/pkg |
| 849029       | Q4006-PNX-SACN  | 9.5mm             | Male        | No          | No     | In-line | POM              | NBR                   | 25pcs/pkg |
| 849068       | Q4006-PMV-SPPE  | 9.5mm             | Male        | Yes         | Yes    | In-line | PP               | EPDM                  | 25pcs/pkg |
| 849054       | Q4006-PMX-SPPE  | 9.5mm             | Male        | Yes         | No     | In-line | PP               | EPDM                  | 25pcs/pkg |
| 849063       | Q4006-PNV-SPPE  | 9.5mm             | Male        | No          | Yes    | In-line | PP               | EPDM                  | 25pcs/pkg |
| 849047       | Q4006-PNX-SPPE  | 9.5mm             | Male        | No          | No     | In-line | PP               | EPDM                  | 25pcs/pkg |
| 849070       | Q4006-PNV-LACN  | 9.5mm             | Male        | No          | Yes    | Elbow   | POM              | NBR                   | 25pcs/pkg |
| 849037       | Q4006-PNX-LACN  | 9.5mm             | Male        | No          | No     | Elbow   | POM              | NBR                   | 25pcs/pkg |
| 849051       | Q4006-PNX-LPPE  | 9.5mm             | Male        | No          | No     | Elbow   | PP               | EPDM                  | 25pcs/pkg |
| 849074       | Q4006-SMV-SACE  | 9.5mm             | Female      | Yes         | Yes    | In-line | POM              | EPDM                  | 25pcs/pkg |
| 849003       | Q4006-SMV-SACN  | 9.5mm             | Female      | Yes         | Yes    | In-line | POM              | NBR                   | 25pcs/pkg |
| 849009       | Q4006-SMX-SACN  | 9.5mm             | Female      | Yes         | No     | In-line | POM              | NBR                   | 25pcs/pkg |
| 849076       | Q4006-SMX-SACN  | 9.5mm             | Female      | Yes         | No     | In-line | POM              | NBR                   | 25pcs/pkg |
| 849012       | Q4006-SNV-SACN  | 9.5mm             | Female      | No          | Yes    | In-line | POM              | NBR                   | 25pcs/pkg |
| 849013       | Q4006-SNX-SACN  | 9.5mm             | Female      | No          | No     | In-line | POM              | NBR                   | 25pcs/pkg |
| 849034       | Q4006-SMV-SPPE  | 9.5mm             | Female      | Yes         | Yes    | In-line | PP               | EPDM                  | 25pcs/pkg |
| 849046       | Q4006-SMX-SPPE  | 9.5mm             | Female      | Yes         | No     | In-line | PP               | EPDM                  | 25pcs/pkg |
| 849060       | Q4006-SNV-SPPE  | 9.5mm             | Female      | No          | Yes    | In-line | PP               | EPDM                  | 25pcs/pkg |
| 849043       | Q4006-SNX-SPPE  | 9.5mm             | Female      | No          | No     | In-line | PP               | EPDM                  | 25pcs/pkg |
| 849031       | Q4014N-PNV-SACN | 1/4-18NPT         | Male        | No          | Yes    | In-line | POM              | NBR                   | 25pcs/pkg |
| 849065       | Q4014N-PNV-SPPE | 1/4-18NPT         | Male        | No          | Yes    | In-line | PP               | EPDM                  | 25pcs/pkg |
| 849023       | Q4014N-SNV-SACN | 1/4-18NPT         | Female      | No          | Yes    | In-line | POM              | NBR                   | 25pcs/pkg |
| 849006       | Q4014N-SNX-SACN | 1/4-18NPT         | Female      | No          | No     | In-line | POM              | NBR                   | 25pcs/pkg |
| 849057       | Q4014N-SNV-SPPE | 1/4-18NPT         | Female      | No          | Yes    | In-line | PP               | EPDM                  | 25pcs/pkg |
| 849040       | Q4014N-SNX-SPPE | 1/4-18NPT         | Female      | No          | No     | In-line | PP               | EPDM                  | 25pcs/pkg |



## Basic parameters

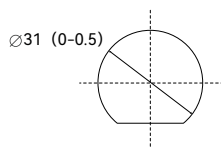
| Series                |                     | Q60-PP                 |
|-----------------------|---------------------|------------------------|
| CPCModel              |                     | HFC 12 series          |
| LinktechModel         |                     | 60 PP series           |
| Applicable conditions | Work Pressure       | 60 psi(4.2 bar)        |
|                       | Work temperature    | 0°C~71°C               |
|                       | Tube ID             | 3/8"(9.5mm)~3/4"(19mm) |
|                       | Threaded port       | 1/2-14NPT, 3/8-18NPT   |
| Materials             | Spring, button      | SUS316                 |
|                       | Sealing ring*       | EPDM                   |
|                       | Housing, valve core | PP-Grey                |

\*Sealing ring: Customizable FKM material

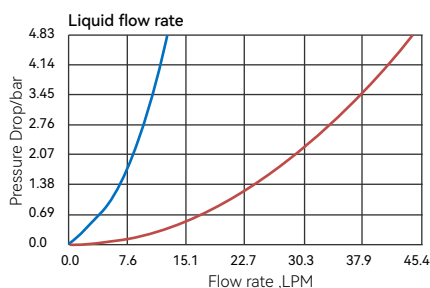
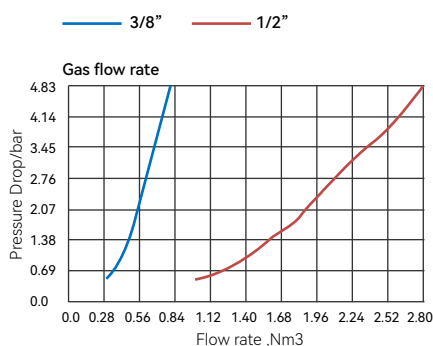
## Assembly tips

|                  |                               |              |
|------------------|-------------------------------|--------------|
| Panel Mount Size | Panel Mount Thread            | M30*3.5      |
|                  | Hexagon nut size              | 1.375"(35mm) |
|                  | Recommended panel mount holes | 30.5~31mm    |

Unit: mm



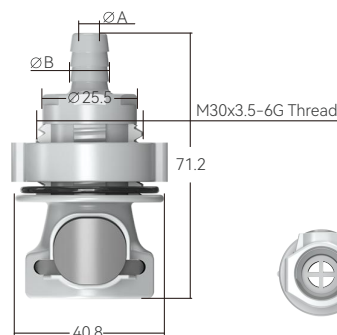
## Q60 Series flow coefficient



# Q60series

- Housing: PP or POM;
- Seals: NBR, EPDM, or FKM;
- Tube Size: 9.5mm~19.0mm OD;
- Threaded Ports: 3/8"-3/8NPT, 1/2"-14NPT;
- Mounting: Panel mount / No Panel mount;
- Flow Control: Valved / Non-valved;
- Geometry: Straight / 90° Elbow;
- REACH / RoHS certifications and MSDS.

## Q60 Series Female



Unit: mm

Non-valved

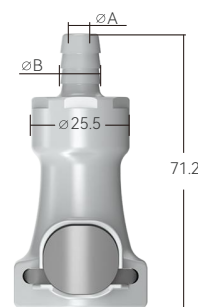
Valved

PP

### • Q60/Panel Mount Female

Adapt to 9.5~19.0mm tube ID

| Model          | Tube ID | A    | B    |
|----------------|---------|------|------|
| Q6006-SMX(V)-S | 9.5     | 7.1  | 10.6 |
| Q6008-PMX(V)-S | 12.7    | 10.0 | 14.0 |
| Q6012-SMX(V)-S | 19.0    | 14.5 | 20.5 |



Unit: mm

Non-valved

Valved

PP

### • Q60/Female

Adapt to 9.5~19.0mm tube ID

| Model          | Tube ID | A    | B    |
|----------------|---------|------|------|
| Q6006-SNX(V)-S | 9.5     | 7.1  | 10.6 |
| Q6008-SNX(V)-S | 12.7    | 10.0 | 14.0 |
| Q6012-SNX(V)-S | 19.0    | 14.5 | 20.5 |

## Basic parameters

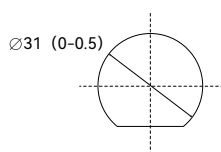
| Series                |                     | Q60-PP                 |
|-----------------------|---------------------|------------------------|
| CPCModel              |                     | HFC 12 series          |
| LinktechModel         |                     | 60 PP series           |
| Applicable conditions | Work Pressure       | 60 psi(4.2 bar)        |
|                       | Work temperature    | 0°C~71°C               |
|                       | Tube ID             | 3/8"(9.5mm)~3/4"(19mm) |
|                       | Threaded port       | 1/2-14NPT, 3/8-18NPT   |
| Materials             | Spring, button      | SUS316                 |
|                       | Sealing ring*       | EPDM                   |
|                       | Housing, valve core | PP-Grey                |

\*Sealing ring: Customizable FKM material

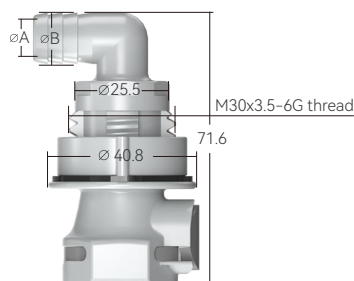
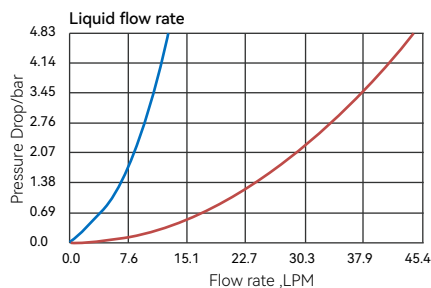
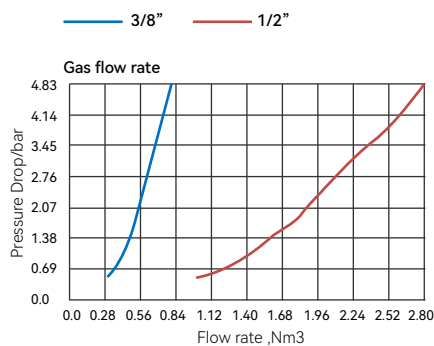
## Assembly tips

|                  |                               |              |
|------------------|-------------------------------|--------------|
| Panel Mount Size | Panel Mount Thread            | M30*3.5      |
|                  | Hexagon nut size              | 1.375"(35mm) |
|                  | Recommended panel mount holes | 30.5~31mm    |

Unit: mm



## Q60 Series flow coefficient



Unit: mm

### • Q60/Panel Mount Female

Adapt to 9.5~19.0mm tube ID

| Model          | Tube ID | A    | B    |
|----------------|---------|------|------|
| Q6006-SMX(V)-L | 9.5     | 7.1  | 10.6 |
| Q6008-SMX(V)-L | 12.7    | 10.0 | 14.0 |



Non-valved



Valved



PP



Unit: mm

### • Q60/Female

Adapt to 3/8-18NPT、1/2-14NPT thread

| Model           | Thread    | A    | B         | C    | D    |
|-----------------|-----------|------|-----------|------|------|
| Q6012N-SNX(V)-S | 1/2-14NPT | 11.0 | 1/2-14NPT | 69.2 | 11.9 |
| Q6038N-SNX(V)-S | 3/8-18NPT | 10.0 | 3/8-18NPT | 69.5 | 13.6 |



Non-valved



Valved



PP

## Basic parameters

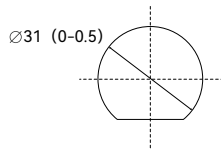
| Series                |                     | Q60-PP                 |
|-----------------------|---------------------|------------------------|
| CPCModel              |                     | HFC 12 series          |
| LinktechModel         |                     | 60 PP series           |
| Applicable conditions | Work Pressure       | 60 psi(4.2 bar)        |
|                       | Work temperature    | 0°C~71°C               |
|                       | Tube ID             | 3/8"(9.5mm)~3/4"(19mm) |
|                       | Threaded port       | 1/2-14NPT,3/8-18NPT    |
| Materials             | Spring, button      | SUS316                 |
|                       | Sealing ring*       | EPDM                   |
|                       | Housing, valve core | PP-Grey                |

\*Sealing ring: Customizable FKM material

## Assembly tips

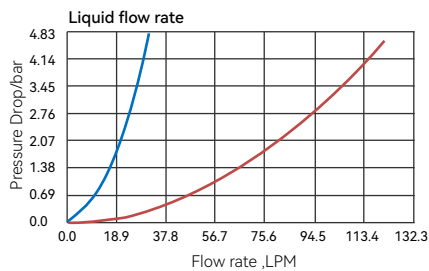
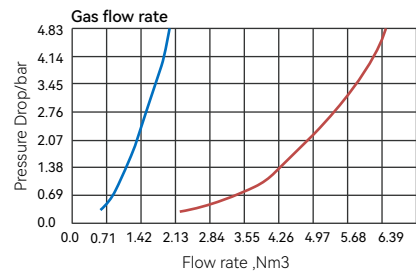
|                  |                               |              |
|------------------|-------------------------------|--------------|
| Panel Mount Size | Panel Mount Thread            | M30*3.5      |
|                  | Hexagon nut size              | 1.375"(35mm) |
|                  | Recommended panel mount holes | 30.5~31mm    |

Unit: mm

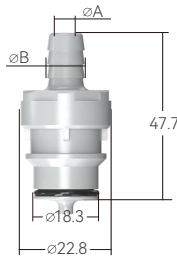


## Q60 Series flow coefficient

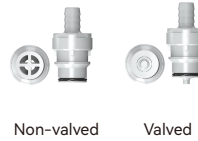
— 3/8" — 1/2"



## Q60 Series Male



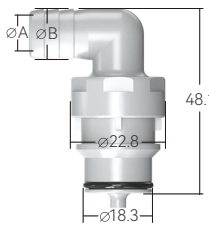
Unit: mm



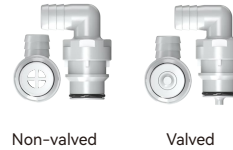
### Q60/Male

Adapt to 9.5-19.0mm tube ID

| Model          | Tube ID | A    | B    |
|----------------|---------|------|------|
| Q6006-PNX(V)-S | 9.5     | 7.1  | 10.6 |
| Q6008-PNX(V)-S | 12.7    | 10.0 | 14.0 |
| Q6012-PNX(V)-S | 19.0    | 14.5 | 20.5 |



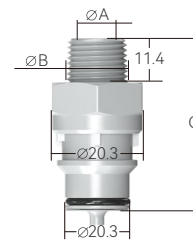
Unit: mm



### Q60/Male

Adapt to 9.5-12.7mm tube ID

| Model          | Tube ID | A    | B    | C    |
|----------------|---------|------|------|------|
| Q6006-PNX(V)-L | 9.5     | 7.1  | 10.6 | 48.1 |
| Q6008-PNX(V)-L | 12.7    | 10.0 | 14.0 | 49.8 |



Unit: mm



### Q60/Male

Adapt to 3/8-18NPT, 1/2-14NPT thread

| Model           | Thread    | A    | B         | C    |
|-----------------|-----------|------|-----------|------|
| Q6012N-PNX(V)-S | 1/2-14NPT | 11.0 | 1/2-14NPT | 45.7 |
| Q6038N-PNX(V)-S | 3/8-18NPT | 10.0 | 3/8-18NPT | 50.0 |

## Q60/Quick Disconnect Coupling

| Q60                                                                               | - 06                                                                                           | - P                  | - M                | - V             | - S                    | - PP                    | - E                          |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|----------------------|--------------------|-----------------|------------------------|-------------------------|------------------------------|
| <b>Q40 Quick Disconnect Coupling</b>                                              | <b>Tube OD Or Thread</b>                                                                       | <b>Male/Female</b>   | <b>Panel Mount</b> | <b>Valved</b>   | <b>Shape</b>           | <b>Housing Material</b> | <b>Sealing Ring Material</b> |
|  | 06 -3/8" (9.5mm)<br>08 -1/2" (12.7mm)<br>12 -3/4" (19.0mm)<br>38N -3/8-18NPT<br>12N -1/2-14NPT | P -Male<br>S -Female | M -Yes<br>N -No    | V -Yes<br>X -No | S -In-line<br>L -Elbow | PP -PP                  | N -EPDM                      |

| Product Code | Model           | Tube ID Or Thread | Male/Female | Panel Mount | Valved | Shape   | Housing Material | Sealing Ring Material | Package   |
|--------------|-----------------|-------------------|-------------|-------------|--------|---------|------------------|-----------------------|-----------|
| 869029       | Q6006-PNV-SPPE  | 9.5mm             | Male        | No          | Yes    | In-line | PP               | EPDM                  | 10pcs/pkg |
| 869009       | Q6006-PNX-SPPE  | 9.5mm             | Male        | No          | No     | In-line | PP               | EPDM                  | 10pcs/pkg |
| 869032       | Q6006-PNV-LPPE  | 9.5mm             | Male        | No          | Yes    | Elbow   | PP               | EPDM                  | 10pcs/pkg |
| 869012       | Q6006-PNX-LPPE  | 9.5mm             | Male        | No          | No     | Elbow   | PP               | EPDM                  | 10pcs/pkg |
| 869026       | Q6006-SMV-SPPE  | 9.5mm             | Female      | Yes         | Yes    | In-line | PP               | EPDM                  | 10pcs/pkg |
| 869006       | Q6006-SMX-SPPE  | 9.5mm             | Female      | Yes         | No     | In-line | PP               | EPDM                  | 10pcs/pkg |
| 869021       | Q6006-SNV-SPPE  | 9.5mm             | Female      | No          | Yes    | In-line | PP               | EPDM                  | 10pcs/pkg |
| 869001       | Q6006-SNX-SPPE  | 9.5mm             | Female      | No          | No     | In-line | PP               | EPDM                  | 10pcs/pkg |
| 869020       | Q6006-SMV-LPPE  | 9.5mm             | Female      | Yes         | Yes    | Elbow   | PP               | EPDM                  | 10pcs/pkg |
| 869018       | Q6006-SMX-LPPE  | 9.5mm             | Female      | Yes         | No     | Elbow   | PP               | EPDM                  | 10pcs/pkg |
| 869030       | Q6008-PNV-SPPE  | 12.7mm            | Male        | No          | Yes    | In-line | PP               | EPDM                  | 10pcs/pkg |
| 869010       | Q6008-PNX-SPPE  | 12.7mm            | Male        | No          | No     | In-line | PP               | EPDM                  | 10pcs/pkg |
| 869033       | Q6008-PNV-LPPE  | 12.7mm            | Male        | No          | Yes    | Elbow   | PP               | EPDM                  | 10pcs/pkg |
| 869013       | Q6008-PNX-LPPE  | 12.7mm            | Male        | No          | No     | Elbow   | PP               | EPDM                  | 10pcs/pkg |
| 869027       | Q6008-SMV-SPPE  | 12.7mm            | Female      | Yes         | Yes    | In-line | PP               | EPDM                  | 10pcs/pkg |
| 869007       | Q6008-SMX-SPPE  | 12.7mm            | Female      | Yes         | No     | In-line | PP               | EPDM                  | 10pcs/pkg |
| 869022       | Q6008-SNV-SPPE  | 12.7mm            | Female      | No          | Yes    | In-line | PP               | EPDM                  | 10pcs/pkg |
| 869002       | Q6008-SNX-SPPE  | 12.7mm            | Female      | No          | No     | In-line | PP               | EPDM                  | 10pcs/pkg |
| 869036       | Q6008-SMV-LPPE  | 12.7mm            | Female      | Yes         | Yes    | Elbow   | PP               | EPDM                  | 10pcs/pkg |
| 869041       | Q6008-SNV-LPPE  | 12.7mm            | Female      | No          | Yes    | Elbow   | PP               | EPDM                  | 10pcs/pkg |
| 869019       | Q6008-SMX-LPPE  | 12.7mm            | Female      | Yes         | No     | Elbow   | PP               | EPDM                  | 10pcs/pkg |
| 869031       | Q6012-PNV-SPPE  | 19.0mm            | Male        | No          | Yes    | In-line | PP               | EPDM                  | 10pcs/pkg |
| 869011       | Q6012-PNX-SPPE  | 19.0mm            | Male        | No          | No     | In-line | PP               | EPDM                  | 10pcs/pkg |
| 869028       | Q6012-SMV-SPPE  | 19.0mm            | Female      | Yes         | Yes    | In-line | PP               | EPDM                  | 10pcs/pkg |
| 869008       | Q6012-SMX-SPPE  | 19.0mm            | Female      | Yes         | No     | In-line | PP               | EPDM                  | 10pcs/pkg |
| 869023       | Q6012-SNV-SPPE  | 19.0mm            | Female      | No          | Yes    | In-line | PP               | EPDM                  | 10pcs/pkg |
| 869003       | Q6012-SNX-SPPE  | 19.0mm            | Female      | No          | No     | In-line | PP               | EPDM                  | 10pcs/pkg |
| 869035       | Q6012N-PNV-SPPE | 1/2-14NPT         | Male        | No          | Yes    | In-line | PP               | EPDM                  | 10pcs/pkg |
| 869015       | Q6012N-PNX-SPPE | 1/2-14NPT         | Male        | No          | No     | In-line | PP               | EPDM                  | 10pcs/pkg |
| 869025       | Q6012N-SNV-SPPE | 1/2-14NPT         | Female      | No          | Yes    | In-line | PP               | EPDM                  | 10pcs/pkg |
| 869005       | Q6012N-SNX-SPPE | 1/2-14NPT         | Female      | No          | No     | In-line | PP               | EPDM                  | 10pcs/pkg |
| 869034       | Q6038N-PNV-SPPE | 3/8-3/8NPT        | Male        | No          | Yes    | In-line | PP               | EPDM                  | 10pcs/pkg |
| 869014       | Q6038N-PNX-SPPE | 3/8-3/8NPT        | Male        | No          | No     | In-line | PP               | EPDM                  | 10pcs/pkg |
| 869024       | Q6038N-SNV-SPPE | 3/8-3/8NPT        | Female      | No          | Yes    | In-line | PP               | EPDM                  | 10pcs/pkg |
| 869004       | Q6038N-SNX-SPPE | 3/8-3/8NPT        | Female      | No          | No     | In-line | PP               | EPDM                  | 10pcs/pkg |



## Union

This series feature female thread designed for male-to-female thread engagement, enabling leak-free connections with rigid tubing/hose systems.

Available in two configurations:

### 1. 2-Way connectors:

Female Thread Union (2-Way): Male-to-female thread engagement, Universal leak-free interface for rigid tubing/hose.

Female Squared Thread Union (2-Way): Compact square-profile housing, Male-to-female engagement with leak-tight performance.

Panel Mount Female Thread Union (2-Way): Fittings can be secured to bulkheads to mount on instrument enclosures. Male/female thread conversion enables leak-free connections between rigid/soft tubing systems.

### 2. 3-Way connectors:

Female Thread Tee Connector (3-Way): T-junction flow paths, Fluid diversion/convergence applications.

Female Thread Y Connector (3-Way): 120° Y-junction design, Fluid diversion/convergence applications.

# 81

Thread Union

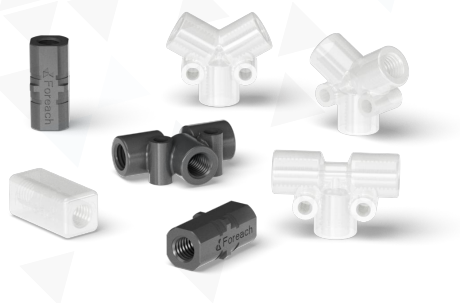
Contains M6, U28 threaded port and diameter 2.0mm

# 82

Thread Tee

Contains PPS, PP materials and diameters of 1.5mm~2.0mm

# Female Thread Union

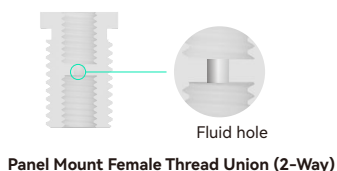
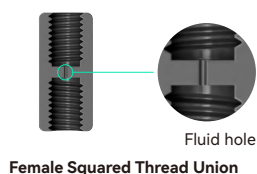
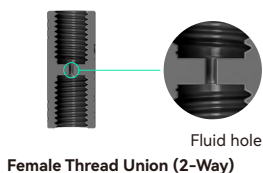


- Five types;
- Flow Path Diameter: 0.5–2.0 mm;
- Thread Specifications: M6×1, 1/4"-28 UNF or 6-40 UNF;
- Material: PP/ PPS; Color: Natural / Black;
- Certifications/Reports available: REACH, RoHS, MSDS.

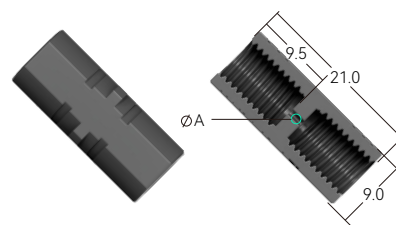
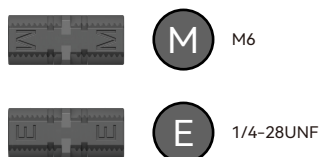
## U/Female Thread Union (2-Way)

### ⓘ Precautions for use

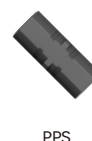
1. The snap-ring type two-way valve can be connected to sheet metal with a thickness  $\leq 2\text{mm}$  by passing the snap-ring through the panel, and the snap-ring thickness must be  $\leq 1\text{mm}$ .
2. The standard type two-way valve is only used for adaption and cannot achieve panel penetration.



3. There are letters on the connector to indicate the female thread type, E is 1/4-28UNF, M is M6



Unit:mm

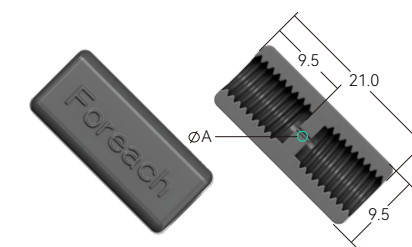


### • U/Female Thread Union (2-Way)

Adapts to 1/4-U28UNF, M6×1 male thread  
2.0mm fluid hole

| Model        | Nominal Diameter | A   |
|--------------|------------------|-----|
| U-M6(U28)-20 | 2.0              | 2.0 |

## US/Female Squared Thread Union



Unit:mm



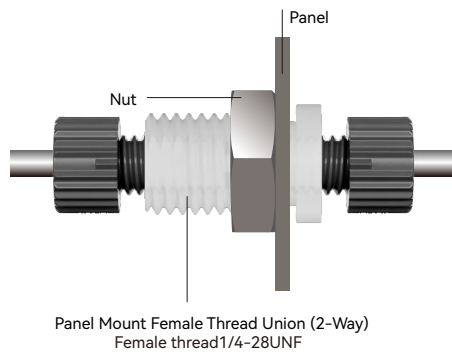
### • US/Female Squared Thread Union

Adapt to M6×1 male thread  
0.5-1.5mm fluid hole

| Model    | Nominal Diameter | A   |
|----------|------------------|-----|
| US-M6-05 | 0.5              | 0.5 |
| US-M6-10 | 1.0              | 1.0 |
| US-M6-15 | 1.5              | 1.5 |

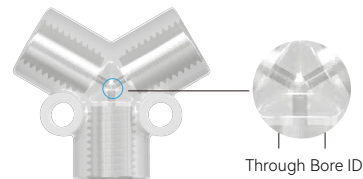
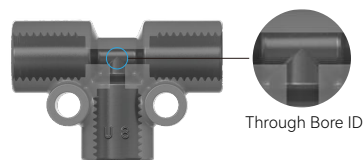
## Assembly Instructions

1. Panel thickness  $\leq 12.5\text{mm}$ .
2. The connector must be used with a matching nut.

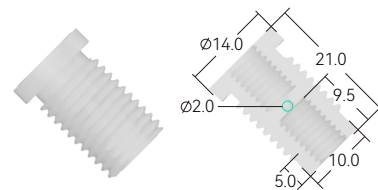


## Assembly Instructions

Achieves dead volume-free connection when coupling



## PMU/Panel Mount Female Thread Union (2-Way)



Unit:mm

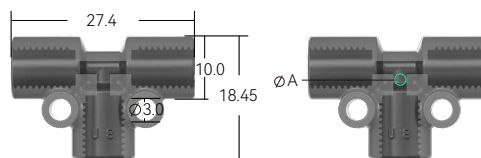
PP

### PMU/Panel Mount Female Thread Union (2-Way)

Panel mount female thread M12x1.5  
Female thread 1/4-28UNF  
2.0mm fluid hole

| Model          | Nominal Diameter | A   |
|----------------|------------------|-----|
| PMU-M12-U28-20 | 2.0              | 2.0 |

## UT/Female Thread Tee Connector (3-Way)



Unit:mm

PPS

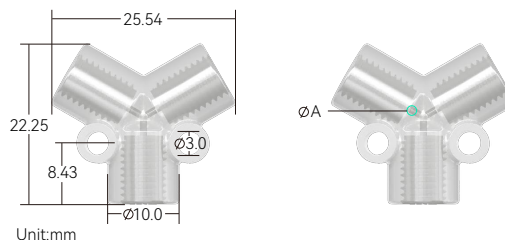
PP

### UT//Female Thread Tee Connector (3-Way)

Adapts to 1/4-28UNF male thread  
1.5-2.0mm fluid hole

| Model     | Nominal Diameter | A   |
|-----------|------------------|-----|
| UT-U28-15 | 1.5              | 1.5 |
| UT-U28-20 | 2.0              | 2.0 |

## UY/Female Thread Y Connector (3-Way)



Unit:mm

PP

### UY/Female Thread Y Connector (3-Way)

Adapts to 1/4-28UNF male thread  
1.0-2.0mm fluid hole

| Model     | Nominal Diameter | A   |
|-----------|------------------|-----|
| UY-U28-10 | 1.0              | 1.0 |
| UY-U28-15 | 1.5              | 1.5 |
| UY-U28-20 | 2.0              | 2.0 |

## U/Female Thread Union (2-Way)

| U                                                                                 |                   | - U28                                      | - M6                       | - 20             | - AC                      | - N                    |            |
|-----------------------------------------------------------------------------------|-------------------|--------------------------------------------|----------------------------|------------------|---------------------------|------------------------|------------|
| Female Thread Union (2-Way)                                                       |                   | Thread 1                                   | Thread 2                   | Nominal Diameter | Materials                 | Color                  |            |
|  |                   | U28 -1/4-28UNF<br>M6 -M6x1<br>U40 -6-40UNF | U28 -1/4-28UNF<br>M6 -M6x1 | 20-2.0mm         | PP-PP<br>AC-POM<br>PS-PPS | N -Natural<br>B -Black |            |
| Item Code                                                                         | Model             | Thread 1                                   | Thread 2                   | Nominal Diameter | Materials                 | Color                  | Packaging  |
| 809194                                                                            | U-M6-20-AC-B      | M6                                         | M6                         | 2.0mm            | POM                       | Black                  | 100pcs/pkg |
| 809197                                                                            | U-M6-20-PP-N      | M6                                         | M6                         | 2.0mm            | PP                        | Natural                | 100pcs/pkg |
| 809200                                                                            | U-M6-20-PS-B      | M6                                         | M6                         | 2.0mm            | PPS                       | Black                  | 100pcs/pkg |
| 809193                                                                            | U-U28-M6-20-AC-B  | 1/4-28UNF                                  | M6                         | 2.0mm            | POM                       | Black                  | 100pcs/pkg |
| 809192                                                                            | U-U28-20-AC-B     | 1/4-28UNF                                  | 1/4-28UNF                  | 2.0mm            | POM                       | Black                  | 100pcs/pkg |
| 809195                                                                            | U-U28-20-PP-N     | 1/4-28UNF                                  | 1/4-28UNF                  | 2.0mm            | PP                        | Natural                | 100pcs/pkg |
| 809198                                                                            | U-U28-20-PS-B     | 1/4-28UNF                                  | 1/4-28UNF                  | 2.0mm            | PPS                       | Black                  | 100pcs/pkg |
| 809231                                                                            | U-U40-U28-20-AC-N | 6-40UNF                                    | 1/4-28UNF                  | 2.0mm            | POM                       | Natural                | 100pcs/pkg |

## US/Female Squared Thread Union

| US - M6 - 20 - AC - N                                                             |               |          |                  |                 |                        |            |
|-----------------------------------------------------------------------------------|---------------|----------|------------------|-----------------|------------------------|------------|
| Female Squared Thread Union                                                       |               | Thread   | Nominal Diameter | Material        | Color                  |            |
|  |               | M6 -M6x1 | 20-2.0mm         | PP-PP<br>AC-POM | N -Natural<br>B -Black |            |
| Item Code                                                                         | Model         | Thread   | Nominal Diameter | Material        | Color                  | Packaging  |
| 809533                                                                            | US-M6-05-PP-N | M6       | 0.5mm            | PP              | Natural                | 100pcs/pkg |
| 809484                                                                            | US-M6-05-AC-B | M6       | 0.5mm            | POM             | Black                  | 100pcs/pkg |
| 809534                                                                            | US-M6-10-PP-N | M6       | 1.0mm            | PP              | Natural                | 100pcs/pkg |
| 809531                                                                            | US-M6-10-AC-B | M6       | 1.0mm            | POM             | Black                  | 100pcs/pkg |
| 809516                                                                            | US-M6-15-PP-N | M6       | 1.5mm            | PP              | Natural                | 100pcs/pkg |
| 809532                                                                            | US-M6-15-AC-B | M6       | 1.5mm            | POM             | Black                  | 100pcs/pkg |

## PMU/Panel Mount Female Thread Union (2-Way)

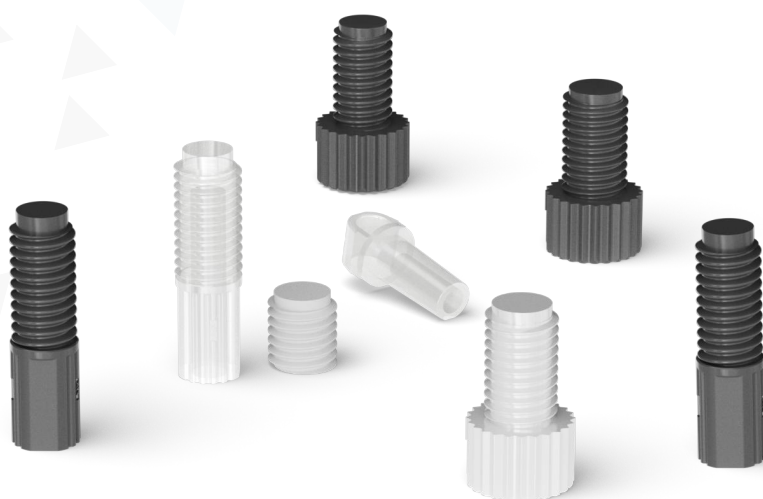
| PMU - M12 - U28 - 20 - PP - N                                                       |                     |                    |                |                  |          |            |            |
|-------------------------------------------------------------------------------------|---------------------|--------------------|----------------|------------------|----------|------------|------------|
| Panel Mount Female Thread Union (2-Way)                                             |                     | Panel Mount Thread | Female Thread  | Nominal Diameter | Material | Color      |            |
|  |                     | M12-M12x1.5        | U28 -1/4-28UNF | 2.0mm            | PP-PP    | N -Natural |            |
| Item Code                                                                           | Model               | Panel Mount Thread | Female Thread  | Nominal Diameter | Material | Color      | Packaging  |
| 809525                                                                              | PMU-M12-U28-20-PP-N | M12x1.5            | 1/4-28UNF      | 2.0mm            | PP       | Natural    | 100pcs/pkg |

## UT/Female Thread Tee Connector (3-Way)

| UT - U28 - 20 - AC - N                                                            |                |                 |                      |                 |                        |            |
|-----------------------------------------------------------------------------------|----------------|-----------------|----------------------|-----------------|------------------------|------------|
| Female Thread Tee Connector (3-Way)                                               |                | Thread          | Nominal Diameter     | Material        | Color                  |            |
|  |                | U28 - 1/4-28UNF | 15-1.5MM<br>20-2.0mm | PP-PP<br>PS-PPS | N -Natural<br>B -Black |            |
| Item Code                                                                         | Model          | Thread          | Nominal Diameter     | Material        | Color                  | Packaging  |
| 809697                                                                            | UT-U28-15-PP-N | 1/4-28UNF       | 1.5mm                | PP              | Natural                | 100pcs/pkg |
| 809631                                                                            | UT-U28-15-PS-B | 1/4-28UNF       | 1.5mm                | PPS             | Black                  | 100pcs/pkg |
| 809518                                                                            | UT-U28-20-PP-N | 1/4-28UNF       | 2.0mm                | PP              | Natural                | 100pcs/pkg |
| 809698                                                                            | UT-U28-20-PS-B | 1/4-28UNF       | 2.0mm                | PPS             | Black                  | 100pcs/pkg |

## UY/Female Thread Y Connector (3-Way)

| UY - U28 - 20 - AC - N                                                            |                |                 |                                  |          |            |            |
|-----------------------------------------------------------------------------------|----------------|-----------------|----------------------------------|----------|------------|------------|
| Female Thread Y Connector (3-Way)                                                 |                | Thread          | Nominal Diameter                 | Material | Color      |            |
|  |                | U28 - 1/4-28UNF | 10-1.0mm<br>15-1.5mm<br>20-2.0mm | PP-PP    | N -Natural |            |
| Item Code                                                                         | Model          | Thread          | Nominal Diameter                 | Material | Color      | Packaging  |
| 809308                                                                            | UY-U28-10-PP-N | 1/4-28UNF       | 1.0mm                            | PP       | Natural    | 100pcs/pkg |
| 809491                                                                            | UY-U28-15-PP-N | 1/4-28UNF       | 1.5mm                            | PP       | Natural    | 100pcs/pkg |
| 809790                                                                            | UY-U28-20-PP-N | 1/4-28UNF       | 2.0mm                            | PP       | Natural    | 100pcs/pkg |



## Press-In Plugs

This series feature Press-In Plugs designed for fluid flow interruption. Structural classifications include Threaded Plugs (Standard Threaded Plug, Compact Threaded Plug), Fitting Plug, Barbed Plug and Male Luer Plug.

**86**

Standard Threaded  
Plug

Available in PVDF material and  
M6 & 1/4-28UNF Thread

**86**

Compact Threaded  
Plug

Available in PEEK, PPS material  
and M6, 1/4-28UNF & 6-40UNF Thread

**87**

Fitting Plug

Available in M6 and  
1/4-28UNF Thread

**87**

Barbed Plug

Available in Tube ID from  
1.6mm~3.2mm and PVDF & PP material

**87**

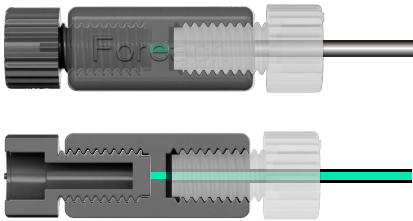
Male Luer Plug

Available in PP & PA material and  
Natural & White Color



## Assembly Instructions

1. Threaded plug connect to internal thread to block fluid flow.



## Related Products

1. Use with torque screwdrivers for precision torque adjustment, enabling controlled fitting assembly/disassembly.



| Item Code | Compatible Bit       |
|-----------|----------------------|
| 956002    | All torque bit heads |



| Item Code | Compatible Fitting Series  |
|-----------|----------------------------|
| 959006    | HBL/Standard Threaded Plug |



| Item Code | Compatible Fitting Series  |
|-----------|----------------------------|
| 959019    | HBL6/Compact Threaded Plug |

2. Use with electric screwdrivers for rapid fitting assembly/disassembly.



| Item Code | Compatible Fitting Series  |
|-----------|----------------------------|
| 959008    | HBL6/Compact Threaded Plug |



| Item Code | Compatible Fitting Series  |
|-----------|----------------------------|
| 959005    | HBL/Standard Threaded Plug |

4. HBL6-U40 series compact threaded plugs without a compatible torque driver.

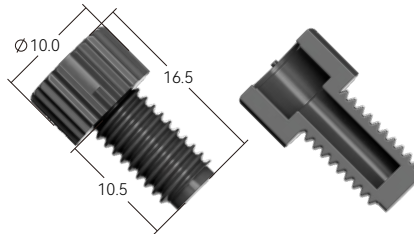


\* HBL6-U40/Compact threaded plug configuration diagram

# Press-In Plugs

- Available in Threaded Plugs, Barbed Plug and Male Luer Plug;
- Thread specifications: M6 x 1, 1/4-28 UNF, and 6-40 UNF;
- Barbed Plugs available in Tube ID from 1.6mm~3.2mm;
- Material available in PVDF, PP, PPS and PA;
- Color available in Natural, Black and White;
- REACH, RoHS and MSDS reports are available.

## HBL/Standard Threaded Plug



Unit:mm



PVDF



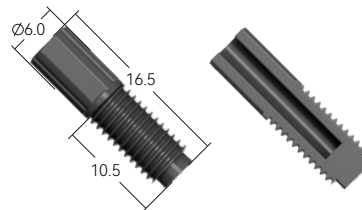
PVDF

### • HBL/Standard Threaded Plug

M6x1, 1/4-28UNF internal thread

| Model   | Thread    |
|---------|-----------|
| HBL-M6  | M6x1      |
| HBL-U28 | 1/4-28UNF |

## HBL6/Compact Threaded Plug



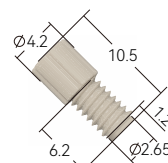
Unit:mm



PPS

### • HBL6/Compact Threaded Plug

M6x1, 1/4-28UNF internal thread



Unit:mm



PEEK

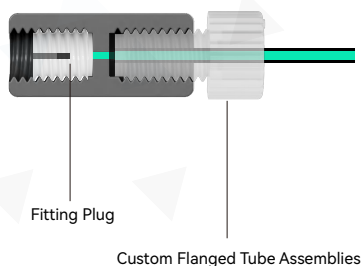
### • HBL6/Compact Threaded Plug

6-40UNF internal thread

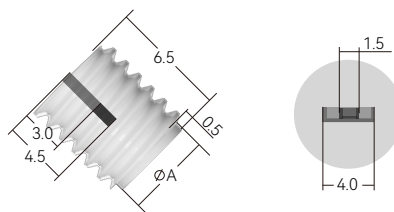
| Model    | Thread    |
|----------|-----------|
| HBL6-U40 | 6-40UNF   |
| HBL6-M6  | M6x1      |
| HBL6-U28 | 1/4-28UNF |

## Assembly Instructions

1. For a comparison between torque screwdriver and electric screwdriver, please see P104.



## HBL6X/Fitting Plug



Unit:mm



PVDF

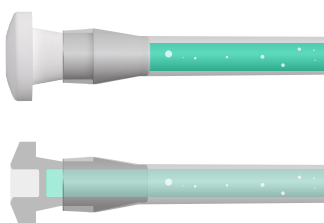
### • HBL6X/Fitting Plug

M6x1, 1/4-28UNF internal thread

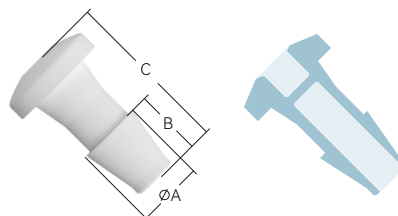
| Model     | Thread    | A   |
|-----------|-----------|-----|
| HBL6X-M6  | M6x1      | 4.7 |
| HBL6X-U28 | 1/4-28UNF | 5.2 |

## Assembly Instructions

1. Barbed Plug connect to hose to block fluid flow.



## BBL/Barbed Plug



Unit:mm



PP



PA

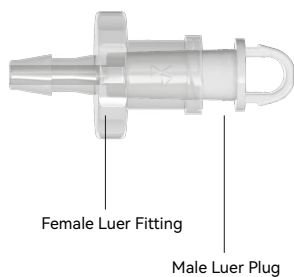
### • BBL/Barbed Plug

Compatible with tube ID of 1.6-3.2mm

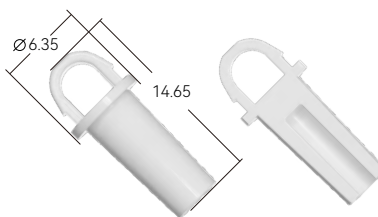
| Model   | Tube ID | A   | B   | C     |
|---------|---------|-----|-----|-------|
| BBL-16D | 1.6     | 2.4 | 2.4 | 6.11  |
| BBL-24D | 2.4     | 3.5 | 3.5 | 8.68  |
| BBL-32D | 3.2     | 4.5 | 4.5 | 11.63 |

## Assembly Instructions

1. Male Luer Plug connect to Female Luer Fitting to block fluid flow.



## LPBL/Male Luer Plug



Unit:mm



PP



PA

### • LPBL/Male Luer Plug

Compatible with female luer fitting

| Model     |
|-----------|
| LPBL-PA-W |
| LPBL-PP-N |

## HBL/Standard Threaded Plug

| HBL                                                                                                         |              | - U28                                | - PP                | - N                             |            |
|-------------------------------------------------------------------------------------------------------------|--------------|--------------------------------------|---------------------|---------------------------------|------------|
| Standard Threaded Plug<br> |              | Thread<br>U28 -1/4-28UNF<br>M6 -M6x1 | Material<br>PV-PVDF | Color<br>N -Natural<br>B -Black |            |
| Item Code                                                                                                   | Model        | Thread                               | Material            | Color                           | Packaging  |
| 809180                                                                                                      | HBL-M6-PV-N  | M6                                   | PVDF                | Natural                         | 100pcs/pkg |
| 809400                                                                                                      | HBL-M6-PV-B  | M6                                   | PVDF                | Black                           | 100pcs/pkg |
| 809390                                                                                                      | HBL-U28-PV-B | 1/4-28UNF                            | PVDF                | Black                           | 100pcs/pkg |
| 809178                                                                                                      | HBL-U28-PV-N | 1/4-28UNF                            | PVDF                | Natural                         | 100pcs/pkg |

## HBL6/Compact Threaded Plug

| HBL6                                                                              |               | - U28                                      | - PP              | - N                    |            |
|-----------------------------------------------------------------------------------|---------------|--------------------------------------------|-------------------|------------------------|------------|
| Compact Threaded Plug                                                             |               | Thread                                     | Material          | Color                  |            |
|  |               | U28 -1/4-28UNF<br>U40 -6-40UNF<br>M6 -M6x1 | PK-PEEK<br>PS-PPS | N -Natural<br>B -Black |            |
| Item Code                                                                         | Model         | Thread                                     | Material          | Color                  | Packaging  |
| 809254                                                                            | HBL6-U40-PK-N | 6-40UNF                                    | PEEK              | Black                  | 100pcs/pkg |
| 809189                                                                            | HBL6-M6-PS-B  | M6                                         | PPS               | Natural                | 100pcs/pkg |
| 809184                                                                            | HBL6-U28-PS-B | 1/4-28UNF                                  | PPS               | Natural                | 100pcs/pkg |

## HBL6X/Fitting Plug

| HBL6X                                                                               |                | - U28                      | - PV     | - N       |            |
|-------------------------------------------------------------------------------------|----------------|----------------------------|----------|-----------|------------|
| Fitting Plug                                                                        |                | Thread                     | Material | Color     |            |
|  |                | U28 -1/4-28UNF<br>M6 -M6x1 | PV-PVDF  | N-Natural |            |
| Item Code                                                                           | Model          | Thread                     | Material | Color     | Packaging  |
| 809527                                                                              | HBL6X-U28-PV-N | 1/4-28UNF                  | PVDF     | Natural   | 100pcs/pkg |
| 809526                                                                              | HBL6X-M6-PV-N  | M6                         | PVDF     | Natural   | 100pcs/pkg |

## LPBL/Male Luer Plug

| LPBL                                                                                |           | - PA           | - N                    |            |
|-------------------------------------------------------------------------------------|-----------|----------------|------------------------|------------|
| Male Luer Plug                                                                      |           | Material       | Color                  |            |
|  |           | PA-PA<br>PP-PP | N -Natural<br>W -White |            |
| Item Code                                                                           | Model     | Material       | Color                  | Packaging  |
| 809409                                                                              | LPBL-PA-W | PA             | White                  | 100pcs/pkg |
| 809286                                                                              | LPBL-PP-N | PP             | Natural                | 100pcs/pkg |

## BBL/Barbed Plug

| BBL - 16D - PA - N                                                                |              |                                        |                |                        |            |
|-----------------------------------------------------------------------------------|--------------|----------------------------------------|----------------|------------------------|------------|
| Barbed Plug                                                                       |              | Tube ID                                | Material       | Color                  |            |
|  |              | 16D -1.6mm<br>24D -2.4mm<br>32D -3.2mm | PA-PA<br>PP-PP | N -Natural<br>W -White |            |
| Item Code                                                                         | Model        | Tube ID                                | Material       | Color                  | Packaging  |
| 809406                                                                            | BBL-16D-PA-W | 1.6mm                                  | PA             | White                  | 100pcs/pkg |
| 809283                                                                            | BBL-16D-PP-N | 1.6mm                                  | PP             | Natural                | 100pcs/pkg |
| 809407                                                                            | BBL-24D-PA-W | 2.4mm                                  | PA             | White                  | 100pcs/pkg |
| 809284                                                                            | BBL-24D-PP-N | 2.4mm                                  | PP             | Natural                | 100pcs/pkg |
| 809408                                                                            | BBL-32D-PA-W | 3.2mm                                  | PA             | White                  | 100pcs/pkg |
| 809285                                                                            | BBL-32D-PP-N | 3.2mm                                  | PP             | Natural                | 100pcs/pkg |



## Barbed Filter

The barbed filter physically intercepts particles through the filter media.

This series features filters with barbed configurations for the filtration of particles and other impurities in liquids.

Compact design, easy to install. This series of Barbed Filters are widely applied in industries such as medical, environmental protection, and laboratory settings.

# 91

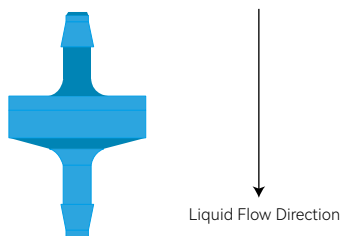
Barbed Filter

It features filter precision of 10 $\mu$ m, 40–60 $\mu$ m, and 80–100 $\mu$ m, with tube ID of 2.4mm and 3.2mm.

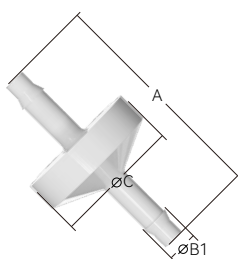
# Barbed Filter

- This series features filters with barbed configurations for the filtration of particles and other impurities in liquids;
- Compact design, easy to install;
- Filter Precision: 10 $\mu$ m, 40–60 $\mu$ m and 80–100 $\mu$ m;
- Tube ID: 2.4mm、3.2mm;
- Housing Material: PP and PA;
- Color: Natural and Black;
- REACH, RoHS and MSDS reports are available.

## Assembly Instructions



### F-PE/Barbed Filter



Unit:mm

#### • Barbed Filter

Compatible with tube ID of 2.4 and 3.2mm

| Model       | Tube ID | A    | B1  | C    |
|-------------|---------|------|-----|------|
| F-PE-10-24  | 2.4     | 11.0 | 3.6 | 19.0 |
| F-PE-60-32  | 3.2     | 32.7 | 4.5 | 19.7 |
| F-PE-100-32 | 3.2     | 33.4 | 3.3 | 19.0 |

## Related Products

### 1. F-SS-150-127D

The 127D Recirculating Water Filter connects to Quick Disconnect Coupling with a 12.7mm Tube ID.



### 2. F-SS-150-127

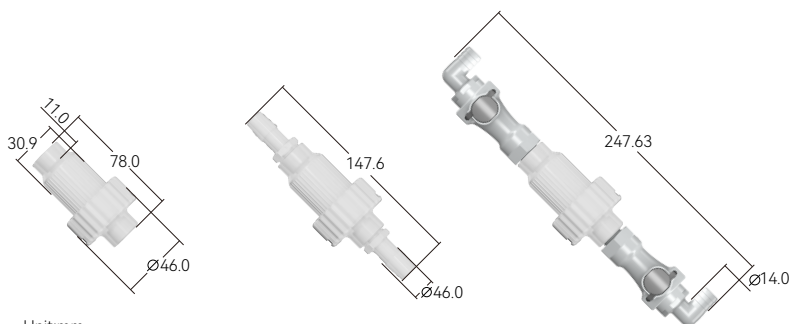
The 127 Recirculating Water Filter connects to Barb Connector with a 12.7mm Tube ID.



3. The Recirculating Water Filter has no connections at both ends and features a 3/8-18 NPT female thread.



### F-SS/Recirculating Water Filter



Unit:mm

#### • Recirculating Water Filter

Compatible with 12.7 mm Tube ID and a 3/8-18 NPT female thread.

| Model                      | Female Thread             | Tube ID | Item Code |
|----------------------------|---------------------------|---------|-----------|
| Recirculating Water Filter | 3/8-18NPT internal thread | /       | 139010    |
| F-SS-150-127D              | /                         | 12.7    | 139008    |
| F-SS-150-127               | /                         | 12.7    | 139007    |

## F-PE/Barbed Filter

| F                                                                                 |                  | - PE            | - 60                                    | - 16                   | - PP     | - N        |            |
|-----------------------------------------------------------------------------------|------------------|-----------------|-----------------------------------------|------------------------|----------|------------|------------|
| Barbed Filter                                                                     |                  | Filter Material | Filter Precision                        | Tube ID                | Material | Color      |            |
|  |                  | PE-HDPE         | 10 -10μm<br>60 -40~60μm<br>100-80~100μm | 24 -2.4mm<br>32 -3.2mm | PP-PP    | N -Natural |            |
| Item Code                                                                         | Model            | Filter Material | Filter Precision                        | Tube ID                | Material | Color      | Packaging  |
| 136009                                                                            | F-PE-10-24-PP-N  | HDPE            | 10μm                                    | 2.4mm                  | pp       | Natural    | 100pcs/pkg |
| 139003                                                                            | F-PE-60-32-PP-N  | HDPE            | 40~60μm                                 | 3.2mm                  | pp       | Natural    | 100pcs/pkg |
| 139001                                                                            | F-PE-100-32-PP-N | HDPE            | 80~100μm                                | 3.2mm                  | pp       | Natural    | 100pcs/pkg |

## F-SS/Recirculating Water Filter

| F                                                                                 |                            | - SS                  | - 150            | - 127D                     | - PP     | - N        |            |
|-----------------------------------------------------------------------------------|----------------------------|-----------------------|------------------|----------------------------|----------|------------|------------|
| Recirculating Water Filter                                                        |                            | Filter Mesh Materials | Filter Precision | Tube ID Or Thread          | Material | Color      |            |
|  |                            | SS-SUS                | 150-150μm        | 127 -12.7mm<br>127D-12.7mm | PP-PP    | N -Natural |            |
| Item Code                                                                         | Model                      | Filter Mesh Materials | Filter Precision | Tube ID                    | Material | Color      | Packaging  |
| 139010                                                                            | Recirculating Water Filter | SUS                   | 150μm            | 3/8-18NPT                  | pp       | Natural    | 100pcs/pkg |
| 139008                                                                            | F-SS-150-127D-PP-N         | SUS                   | 150μm            | 12.7mm                     | pp       | Natural    | 100pcs/pkg |
| 139007                                                                            | F-SS-150-127-PP-N          | SUS                   | 150μm            | 12.7mm                     | pp       | Natural    | 100pcs/pkg |



## Barbed Check Valve

Functioning through a disc mechanism that opens under forward fluid pressure and automatically seals against reverse flow, these barbed check valves ensure precise unidirectional control of liquids or gases while preventing backflow. The series features barbed-body designs delivering ultra-low cracking pressure during forward operation and near-zero reverse leakage, with ultrasonically welded construction guaranteeing structural sealing integrity. Widely implemented across medical , laboratory, and environmental monitoring applications.

**94**

Barbed Check  
Valve

Includes diaphragm type and duck-billed type  
and 1.6 and 9.5mm inner diameter of tube

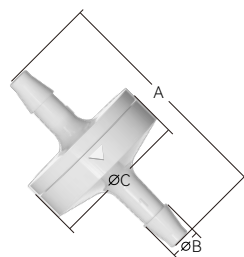
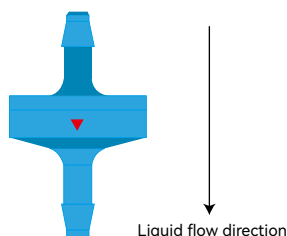


# Barbed Check Valve

- This series features check valves with barbed structures, controlling unidirectional fluid flow and preventing backflow;
- They offer extremely low forward opening pressure and extremely low reverse sealing pressure;
- Ultrasonic welding ensures integral sealing;
- Tube ID: 1.6, 2.4, 3.2, 4.8, 6.4, 7.9, 9.5 mm;
- Housing Materials: PP or PVDF (available in natural color);
- Diaphragm Materials: EPDM or FKM;
- Sealing Types: Diaphragm or Duck-billed;
- Certifications/Reports available: REACH, RoHS, MSDS.

## Assembly Tip

1. Please install according to the arrow on the barbed check valve when using.



Unit:mm

## CV/Barbed Check Valve

Compatible with tube ID of 2.4-3.2mm  
PP/PVDF Materials

| Model    | Tube ID | A    | B    | C     |
|----------|---------|------|------|-------|
| CV-BE-24 | 2.4     | 24.7 | 3.5  | 19.7  |
| CV-BE-32 | 3.2     | 32.7 | 4.5  | 19.7  |
| CV-BE-48 | 4.8     | 43.2 | 4.5  | 19.0  |
| CV-BE-64 | 6.4     | 39.0 | 7.8  | 19.5  |
| CV-BE-95 | 9.5     | 41.3 | 10.5 | 19.1  |
| CV-BV-32 | 3.2     | 32.5 | 4.5  | 19.5  |
| CV-BV-48 | 4.8     | 42.5 | 4.5  | 19.15 |
| CV-BV-79 | 7.9     | 40.0 | 9.5  | 19.0  |
| CV-DE-16 | 1.6     | 19.4 | 2.5  | 7.8   |

## CV/Barbed Check Valve

| CV                                                                                  | - B                              | - E                 | - 16                                                                             | - PP             | - N         |
|-------------------------------------------------------------------------------------|----------------------------------|---------------------|----------------------------------------------------------------------------------|------------------|-------------|
| Barbed Check Valve                                                                  | Seal Type                        | Diaphragm           | Tube ID                                                                          | Material         | Color       |
|  | B - Diaphragm<br>D - Duck-billed | E - EPDM<br>V - FKM | 16 - 1.6mm<br>24 - 2.4mm<br>32 - 3.2mm<br>40 - 4.0mm<br>48 - 4.8mm<br>64 - 6.4mm | PV-PVDF<br>PP-PP | N - Natural |

| Item Code | Model         | Seal Type   | Diaphragm | Tube ID | Material | Color   | Packaging  |
|-----------|---------------|-------------|-----------|---------|----------|---------|------------|
| 126006    | CV-DE-16-PV-N | Duck-billed | FKM       | 1.6mm   | PVDF     | Natural | 100pcs/pkg |
| 129004    | CV-BE-24-PP-N | Diaphragm   | EPDM      | 2.4mm   | PP       | Natural | 100pcs/pkg |
| 129001    | CV-BE-32-PP-N | Diaphragm   | EPDM      | 3.2mm   | PP       | Natural | 100pcs/pkg |
| 126020    | CV-BV-32-PP-N | Diaphragm   | FKM       | 3.2mm   | PP       | Natural | 100pcs/pkg |
| 126010    | CV-BE-48-PP-N | Diaphragm   | EPDM      | 4.8mm   | PP       | Natural | 100pcs/pkg |
| 126009    | CV-BV-48-PP-N | Diaphragm   | FKM       | 4.8mm   | PP       | Natural | 100pcs/pkg |
| 126012    | CV-BE-64-PP-N | Diaphragm   | EPDM      | 6.4mm   | PP       | Natural | 100pcs/pkg |
| 126013    | CV-BV-79-PP-N | Diaphragm   | FKM       | 7.9mm   | PP       | Natural | 100pcs/pkg |
| 126016    | CV-BE-95-PP-N | Diaphragm   | EPDM      | 9.5mm   | PP       | Natural | 100pcs/pkg |

# Tubing

This series of high-quality multifunctional tubing products offers diverse material and style options to fully meet various system requirements. Hard tubing includes corrosion-resistant FEP, high-temperature PEEK, and low-friction PTFE; flexible tubing covers anti-aging PVC and high-elasticity TPU. Some tubes feature transparent design for real-time fluid observation. Through precision mold processing and strict quality control, dimensional tolerance is strictly controlled to ensure high batch-to-batch consistency, providing reliable solutions for industrial fluid systems.

96

PVC Tubing

Tube ID: 1.6mm~19.1mm  
Hardness: 55A or 65A

98

TPU Tubing

Tube ID: 3.7mm~7.0mm  
Hardness: 85A or 95A

99

FEP Tubing

Tube ID: 0.3mm~2.0mm  
Hardness: 50A or 60A

100

PTFE Tubing

Tube ID: 1.5mm~2.0mm  
Color: Natural, Black, Transparent

101

PEEK Tubing

Tube ID: 0.2mm~0.8mm  
Hardness: 90A or 95A

102

PFA Tubing

Tube ID: 0.5mm~1.0mm  
Color: Natural



# PVC Tubing

- Hardness: 55A, 65A;
- Operating Temperature: -42~75°C;
- Certification: Compliant with RoHS;
- Safety: Phthalate-free;
- Smooth, transparent, soft inner walls; Crack-resistant, long lifespan;
- Oxidation-resistant, contamination-resistant; Excellent chemical compatibility.
- Easy push-to-connect/disconnect with fittings while maintaining secure connections.

|                                         |                   |                    |
|-----------------------------------------|-------------------|--------------------|
| Density                                 | g/cm <sup>3</sup> | 1.18               |
| Tensile Strength                        | Mpa               | 14.3               |
| Flexural Strength                       | Mpa               | 68                 |
| Dielectric Constant                     | KV/mm             | 4                  |
| Hygroscopicity                          | %                 | 0.12               |
| Operating Temperature                   | °C                | -42~75             |
| Coefficient of Linear Thermal Expansion | cm/cm/°C          | 6X10 <sup>-5</sup> |
| Melting Temperature                     | °C                | 185                |
| Low - Temperature Brittleness           | °C                | -46                |
| Hardness                                | Shore A           | 55、65              |

## PVC Tubing

| Item Code | Model     | Hardness | ID     | OD     | Material | Color   | Packaging |
|-----------|-----------|----------|--------|--------|----------|---------|-----------|
| 438001    | M3602002  | 55A      | 1.6mm  | 3.2mm  | PVC      | Natural | 30m/roll  |
| 438007    | M3602003  | 55A      | 1.6mm  | 4.8mm  | PVC      | Natural | 30m/roll  |
| 438002    | M3602C03  | 55A      | 2.0mm  | 4.0mm  | PVC      | Natural | 30m/roll  |
| 438003    | M3602004  | 55A      | 2.4mm  | 4.0mm  | PVC      | Natural | 30m/roll  |
| 439079    | M36B00006 | 55A      | 3.2mm  | 4.8mm  | PVC      | Black   | 15m/roll  |
| 438004    | M3602007  | 55A      | 3.2mm  | 6.4mm  | PVC      | Natural | 30m/roll  |
| 438006    | M3602010  | 55A      | 4.0mm  | 7.1mm  | PVC      | Natural | 30m/roll  |
| 438005    | M3602012  | 55A      | 4.8mm  | 7.9mm  | PVC      | Natural | 30m/roll  |
| 438008    | M3600017  | 55A      | 6.4mm  | 9.5mm  | PVC      | Natural | 15m/roll  |
| 438010    | M3600023  | 55A      | 7.9mm  | 12.7mm | PVC      | Natural | 15m/roll  |
| 438009    | M3600028  | 55A      | 9.5mm  | 14.3mm | PVC      | Natural | 15m/roll  |
| 438011    | M3600038  | 55A      | 11.1mm | 15.9mm | PVC      | Natural | 15m/roll  |
| 439015    | E3602001  | 65A      | 0.8mm  | 2.4mm  | PVC      | Natural | 30m/roll  |
| 439015    | E36U02001 | 65A      | 0.8mm  | 2.4mm  | PVC      | Blue    | 30m/roll  |
| 439020    | E3602S02  | 65A      | 1.0mm  | 2.7mm  | PVC      | Natural | 30m/roll  |
| 439020    | E36U02S02 | 65A      | 1.0mm  | 2.7mm  | PVC      | Blue    | 30m/roll  |
| 439016    | E3602S03  | 65A      | 1.2mm  | 2.4mm  | PVC      | Natural | 30m/roll  |
| 439016    | E36U02S03 | 65A      | 1.2mm  | 2.4mm  | PVC      | Blue    | 30m/roll  |
| 439001    | E3602002  | 65A      | 1.6mm  | 3.2mm  | PVC      | Natural | 30m/roll  |
| 439001    | E36U02002 | 65A      | 1.6mm  | 3.2mm  | PVC      | Blue    | 30m/roll  |
| 439008    | E3602003  | 65A      | 1.6mm  | 4.8mm  | PVC      | Natural | 30m/roll  |
| 439008    | E36U02003 | 65A      | 1.6mm  | 4.8mm  | PVC      | Blue    | 30m/roll  |
| 439014    | E3600033  | 65A      | 11.1mm | 15.9mm | PVC      | Natural | 15m/roll  |
| 439014    | E36U00033 | 65A      | 11.1mm | 15.9mm | PVC      | Blue    | 15m/roll  |
| 439007    | E3602S05  | 65A      | 2.0mm  | 3.8mm  | PVC      | Natural | 30m/roll  |

## PVC Tubing

| Item Code | Model     | Hardness | ID     | OD     | Material | Color   | Packaging |
|-----------|-----------|----------|--------|--------|----------|---------|-----------|
| 439007    | E36U02S05 | 65A      | 2.0mm  | 3.8mm  | PVC      | Blue    | 30m/roll  |
| 439002    | E3602C03  | 65A      | 2.0mm  | 4.0mm  | PVC      | Natural | 30m/roll  |
| 439002    | E36U02C03 | 65A      | 2.0mm  | 4.0mm  | PVC      | Blue    | 30m/roll  |
| 439077    | E36B05S11 | 65A      | 2.4mm  | 3.5mm  | PVC      | Black   | 50m/roll  |
| 439003    | E3602004  | 65A      | 2.4mm  | 4.0mm  | PVC      | Natural | 30m/roll  |
| 439003    | E36U02004 | 65A      | 2.4mm  | 4.0mm  | PVC      | Blue    | 30m/roll  |
| 439017    | E3602005  | 65A      | 2.4mm  | 5.6mm  | PVC      | Natural | 30m/roll  |
| 439017    | E36U02005 | 65A      | 2.4mm  | 5.6mm  | PVC      | Blue    | 30m/roll  |
| 439060    | E3602006  | 65A      | 3.2mm  | 4.8mm  | PVC      | Natural | 30m/roll  |
| 439060    | E36U02006 | 65A      | 3.2mm  | 4.8mm  | PVC      | Blue    | 30m/roll  |
| 439004    | E3602007  | 65A      | 3.2mm  | 6.4mm  | PVC      | Natural | 30m/roll  |
| 439004    | E36U02007 | 65A      | 3.2mm  | 6.4mm  | PVC      | Blue    | 30m/roll  |
| 439006    | E3602010  | 65A      | 4.0mm  | 7.1mm  | PVC      | Natural | 30m/roll  |
| 439006    | E36U02010 | 65A      | 4.0mm  | 7.1mm  | PVC      | Blue    | 30m/roll  |
| 439005    | E3602012  | 65A      | 4.8mm  | 7.9mm  | PVC      | Natural | 30m/roll  |
| 439005    | E36U02012 | 65A      | 4.8mm  | 7.9mm  | PVC      | Blue    | 30m/roll  |
| 439018    | E3600019  | 65A      | 6.4mm  | 12.7mm | PVC      | Natural | 15m/roll  |
| 439018    | E36U00019 | 65A      | 6.4mm  | 12.7mm | PVC      | Blue    | 15m/roll  |
| 439018    | E36U00019 | 65A      | 6.4mm  | 12.7mm | PVC      | Blue    | 15m/roll  |
| 439009    | E3600017  | 65A      | 6.4mm  | 9.5mm  | PVC      | Natural | 15m/roll  |
| 439009    | E36U00017 | 65A      | 6.4mm  | 9.5mm  | PVC      | Blue    | 15m/roll  |
| 439010    | E3600023  | 65A      | 7.9mm  | 12.7mm | PVC      | Natural | 15m/roll  |
| 439010    | E36U00023 | 65A      | 7.9mm  | 12.7mm | PVC      | Blue    | 15m/roll  |
| 439011    | E3600028  | 65A      | 9.5mm  | 14.3mm | PVC      | Natural | 15m/roll  |
| 439011    | E36U00028 | 65A      | 9.5mm  | 14.3mm | PVC      | Blue    | 15m/roll  |
| 439012    | E3600038  | 65A      | 12.7mm | 19.1mm | PVC      | Natural | 15m/roll  |
| 439012    | E36U00038 | 65A      | 12.7mm | 19.1mm | PVC      | Blue    | 15m/roll  |
| 439019    | E3600046  | 65A      | 15.9mm | 22.2mm | PVC      | Natural | 15m/roll  |
| 439019    | E36U00046 | 65A      | 15.9mm | 22.2mm | PVC      | Blue    | 15m/roll  |
| 439061    | E3600053  | 65A      | 19.1mm | 25.4mm | PVC      | Natural | 15m/roll  |
| 439061    | E36U00053 | 65A      | 19.1mm | 25.4mm | PVC      | Blue    | 15m/roll  |

RIGID TUBING  
FITTINGS

HOSE  
FITTING

LUER  
FITTING

QUICKDISCONNECT  
COUPLING

UNION

PLUG

BARBED  
FILTER

BARBED  
CHECK VALVE

TUBING

ACCESSORY

ATTACHED  
SHEET



# TPU Tubing

- Hardness: 85A, 95A;
- Operating Temperature; -30~70°C;
- Certification: Compliant with RoHS;
- Chemical corrosion-resistant, lightweight, high wear resistance, anti-staining, anti-bloating;
- Significant hydrolysis resistance;
- Transparent tubes offer high clarity for clear visibility of medium flow status.

|                                         |                   |                    |
|-----------------------------------------|-------------------|--------------------|
| Density                                 | g/cm <sup>3</sup> | 1.22               |
| Tensile strength                        | MPa               | 46                 |
| Flexural strength                       | MPa               | 83                 |
| Dielectric constant                     | KV/mm             | 2.8                |
| Hygroscopicity                          | %                 | 1.5 (ASTM D570)    |
| Hardness                                | Shore             | 80A, 85A, 95A, 64D |
| Operating Temperature                   | °C                | -30~70             |
| Coefficient of linear thermal expansion | cm/cm/°C          | 9X10 <sup>-5</sup> |
| Melting temperature                     | °C                | 185                |
| Low - temperature brittleness           | °C                | -40                |

## TPU Tubing

| Item Code | Model     | Hardness | ID    | OD     | Color   | Packaging |
|-----------|-----------|----------|-------|--------|---------|-----------|
| 436117    | BU002S07  | 80A      | 3.7mm | 6.4mm  | Natural | 30m/roll  |
| 436106    | BU0U02S08 | 80A      | 4.0mm | 5.7mm  | Blue    | 30m/roll  |
| 436009    | BU002C09  | 80A      | 6.0mm | 8.0mm  | Natural | 30m/roll  |
| 436107    | BU0U02S09 | 80A      | 6.4mm | 8.6mm  | Blue    | 30m/roll  |
| 439052    | BU002C11  | 80A      | 7.0mm | 10.0mm | Natural | 30m/roll  |
| 439074    | BU502S01  | 85A      | 0.5mm | 2.0mm  | Natural | 30m/roll  |
| 439076    | BU505S10  | 85A      | 2.2mm | 4.0mm  | Natural | 30m/roll  |
| 436103    | BU502S04  | 85A      | 2.4mm | 3.5mm  | Natural | 30m/roll  |
| 436104    | BU502004  | 85A      | 2.4mm | 4.0mm  | Natural | 30m/roll  |
| 436108    | BU502007  | 85A      | 3.2mm | 6.4mm  | Natural | 30m/roll  |
| 439075    | BU502S07  | 85A      | 3.7mm | 6.4mm  | Natural | 30m/roll  |
| 436114    | BU902002  | 95A      | 1.6mm | 3.2mm  | Natural | 30m/roll  |
| 436119    | BU902S04  | 95A      | 2.4mm | 3.5mm  | Natural | 30m/roll  |
| 436075    | BU9B02004 | 95A      | 2.4mm | 4.0mm  | Natural | 30m/roll  |
| 436105    | BU902004  | 95A      | 2.4mm | 4.0mm  | Natural | 30m/roll  |
| 436120    | BU902005  | 95A      | 2.4mm | 5.6mm  | Natural | 30m/roll  |
| 436037    | BU902S06  | 95A      | 2.5mm | 4.0mm  | Natural | 30m/roll  |
| 436115    | BUR900163 | 95A      | 3.2mm | 6.4mm  | 红色      | 30m/roll  |
| 436010    | BU902C05  | 95A      | 4.0mm | 6.0mm  | Natural | 30m/roll  |
| 436113    | BU902C09  | 95A      | 6.0mm | 8.0mm  | Natural | 30m/roll  |
| 436116    | BU902C11  | 95A      | 7.0mm | 10.0mm | Natural | 50m/roll  |

# FEP Tubing

- Hardness: 50A, 60A;
- Operating Temperature: -230~200°C;
- Certification: Compliant with RoHS;
- High transparency and UV resistance;
- Wide working temp., excellent low-temp. properties;
- Chemically inert, excellent chemical reagent compatibility;
- Extremely smooth surface, low adhesion.

|                                         |                   |                      |
|-----------------------------------------|-------------------|----------------------|
| Density                                 | g/cm <sup>3</sup> | 2.13                 |
| Tensile strength                        | MPa               | 27.6                 |
| Flexural strength                       | MPa               | 18.5 (ASTM D790)     |
| Dielectric constant                     | KV/mm             | 2.1 (IEC60243-1)     |
| Hygroscopicity                          | %                 | < 0.01 (ASTM D570)   |
| Hardness                                | Shore D           | 50、60                |
| Operating Temperature                   | °C                | -230~200             |
| Coefficient of linear thermal expansion | cm/cm/°C          | 9.9X10 <sup>-5</sup> |
| Melting temperature                     | °C                | 260                  |
| Low - temperature brittleness           | °C                | -250                 |

## FEP Tubing

| Item Code | Model    | ID    | OD    | Color   | Packaging |
|-----------|----------|-------|-------|---------|-----------|
| 439072    | BFT03001 | 0.3mm | 1.6mm | Natural | 100m/roll |
| 439069    | BFT03002 | 0.5mm | 1.6mm | Natural | 100m/roll |
| 439062    | BFT03003 | 0.8mm | 1.6mm | Natural | 100m/roll |
| 439070    | BFT03004 | 1.0mm | 1.6mm | Natural | 100m/roll |
| 439063    | BFT03007 | 1.0mm | 2.0mm | Natural | 100m/roll |
| 439064    | BFT03008 | 1.5mm | 2.5mm | Natural | 100m/roll |
| 439066    | BFT03010 | 1.6mm | 3.2mm | Natural | 100m/roll |
| 439065    | BFT03009 | 2.0mm | 3.0mm | Natural | 100m/roll |

# PTFE Tubing

- Operating Temperature: -200~260°C;
- Certification: Compliant with RoHS;
- Chemically inert, excellent chemical reagent compatibility;
- Low friction coefficient, poor liquid wettability;
- High compressive strength.

|                                         |                   |                      |
|-----------------------------------------|-------------------|----------------------|
| Density                                 | g/cm <sup>3</sup> | 2.2                  |
| Tensile strength                        | MPa               | 27.6                 |
| Flexural strength                       | MPa               | 174 (ASTM D790)      |
| Dielectric constant                     | KV/mm             | 2.1 (IEC60243-1)     |
| Hygroscopicity                          | %                 | 0.05 (ASTM D570)     |
| Hardness                                | Shore D           | 50, 65               |
| Operating Temperature                   | °C                | -101~260             |
| Coefficient of linear thermal expansion | cm/cm/°C          | 1.2X10 <sup>-5</sup> |
| Melting temperature                     | °C                | 327                  |

## PTFE Tubing

| Item Code | Model                 | ID    | OD    | Color   | Packaging |
|-----------|-----------------------|-------|-------|---------|-----------|
| 436094    | TH2-PTFE-N-05-16-100M | 0.5mm | 1.6mm | Natural | 100m/roll |
| 436012    | TH2-PTFE-B-08-16      | 0.8mm | 1.6mm | Black   | 100m/roll |
| 436014    | TH2-PTFE-N-08-16      | 0.8mm | 1.6mm | Natural | 100m/roll |
| 436012    | TH2-PTFE-B-08-16      | 0.8mm | 1.6mm | Black   | 100m/roll |
| 436015    | TH2-PTFE-B-10-16      | 1.0mm | 1.6mm | Black   | 100m/roll |
| 436017    | TH2-PTFE-N-10-16-100M | 1.0mm | 1.6mm | Natural | 100m/roll |
| 436021    | TH2-PTFE-B-10-20-100M | 1.0mm | 2.0mm | Black   | 100m/roll |
| 436023    | TH2-PTFE-N-10-20-100M | 1.0mm | 2.0mm | Natural | 100m/roll |
| 436021    | TH2-PTFE-B-10-20-100M | 1.0mm | 2.0mm | Black   | 100m/roll |
| 436031    | TH2-PTFE-N-10-30      | 1.0mm | 3.0mm | Natural | 100m/roll |
| 436078    | TH2-PTFE-N-12-18      | 1.2mm | 1.8mm | Natural | 100m/roll |
| 436024    | TH2-PTFE-N-12-20-100M | 1.2mm | 2.0mm | Natural | 100m/roll |
| 436026    | TH2-PTFE-B-15-25      | 1.5mm | 2.5mm | Black   | 100m/roll |
| 436028    | TH2-PTFE-N-15-25-100M | 1.5mm | 2.5mm | Natural | 100m/roll |
| 436035    | TH2-PTFE-B-16-32-100M | 1.6mm | 3.2mm | Black   | 100m/roll |
| 436079    | TH2-PTFE-N-16-32      | 1.6mm | 3.2mm | Natural | 100m/roll |
| 436082    | TH2-PTFE-N-16-32      | 1.6mm | 3.2mm | Natural | 100m/roll |
| 436029    | TH2-PTFE-N-18-26      | 1.8mm | 2.6mm | Natural | 100m/roll |
| 436033    | TH2-PTFE-B-20-30-100M | 2.0mm | 3.0mm | Black   | 100m/roll |
| 436034    | TH2-PTFE-N-20-30-100M | 2.0mm | 3.0mm | Natural | 100m/roll |
| 436101    | TH2-PTFE-T-20-32      | 2.0mm | 3.2mm | 透明      | 100m/roll |
| 436030    | TH2-PTFE-N-22-28      | 2.2mm | 2.8mm | Natural | 100m/roll |



# PEEK Tubing

- Hardness: 90A, 95A;
- Operating Temperature: -180~225℃;
- Certification: Compliant with RoHS;
- Resistant to halides, strong acids/alkalis, buffer solutions;
- Excellent mechanical properties, superior mechanical strength;
- Good self-lubrication, radiation resistant.

|                                         |         |                      |
|-----------------------------------------|---------|----------------------|
| Density                                 | g/cm³   | 1.32                 |
| Tensile strength                        | MPa     | 180                  |
| Flexural strength                       | MPa     | 265 (ASTM D790)      |
| Dielectric constant                     | KV/mm   | 24                   |
| Hygroscopicity                          | %       | 0.2 (ISO 62)         |
| Operating Temperature                   | ℃       | -180~225             |
| Coefficient of linear thermal expansion | cm/cm/℃ | 4.5X10 <sup>-5</sup> |
| Melting temperature                     | ℃       | 343                  |

## PTFE Tubing

| Item Code | Model            | ID    | OD    | Material | Packaging |
|-----------|------------------|-------|-------|----------|-----------|
| 436111    | TH2-PEEK-N-02-08 | 0.2mm | 0.8mm | Natural  | 30m/roll  |
| 436112    | TH2-PEEK-N-08-16 | 0.8mm | 1.6mm | Natural  | 30m/roll  |

RIGID TUBING  
FITTINGS

HOSE  
FITTING

LUER  
FITTING

QUICKDISCONNECT  
COUPLING

UNION

PLUG

BARBED  
FILTER

BARBED  
CHECK VALVE

TUBING

ACCESSORY

ATTACHED  
SHEET

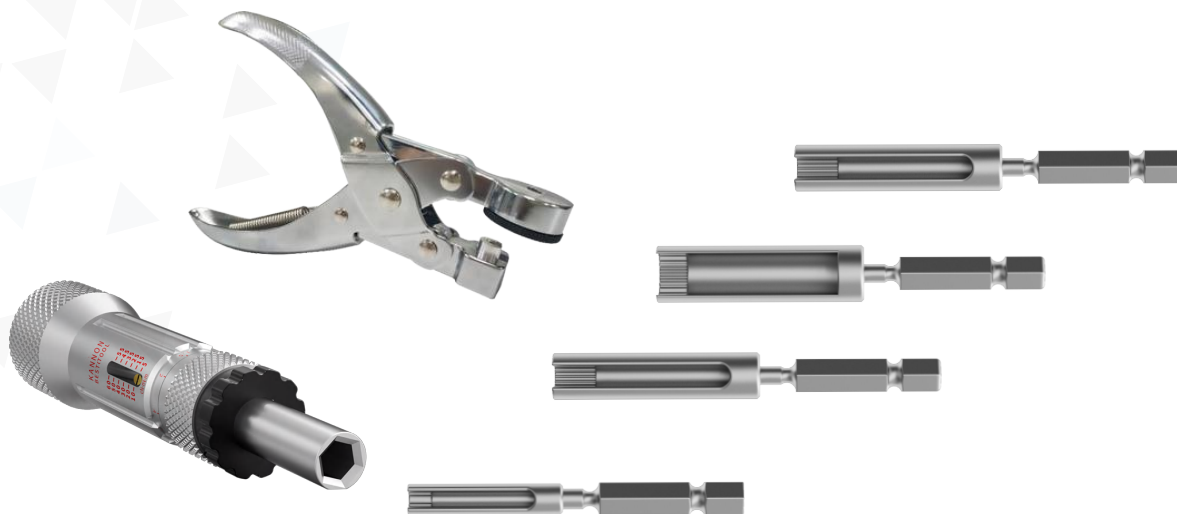
# PFA Tubing

- Certification: Compliant with RoHS;
- High transparency, UV resistant;
- Wide working temp., excellent low-temp. properties;
- Chemically inert, excellent chemical reagent compatibility;
- With a continuous service temp. of up to 260°C and short-term tolerance to even higher temps, it suits high-temp, conveying systems;
- Extremely smooth surface, low adhesion.

|                                         |                   |                    |
|-----------------------------------------|-------------------|--------------------|
| Density                                 | g/cm <sup>3</sup> | 2.17               |
| Tensile strength                        | MPa               | 35                 |
| Dielectric constant                     | KV/mm             | 2.1                |
| Hardness                                | Shore D           | 50~60              |
| Coefficient of linear thermal expansion | cm/cm/°C          | 9X10 <sup>-5</sup> |
| Melting temperature                     | °C                | 310                |

## PFA Tubing

| Item Code     | Model    | ID    | OD    | Color   | Packaging |
|---------------|----------|-------|-------|---------|-----------|
| <b>439081</b> | SF403003 | 0.5mm | 1.6mm | Natural | 100m/roll |
| <b>439082</b> | SF403002 | 0.8mm | 1.6mm | Natural | 100m/roll |
| <b>439080</b> | SF403004 | 1.0mm | 1.6mm | Natural | 100m/roll |



## Accessories

This series of products is designed to assist in fitting assembly and tube cutting, including torque wrenches, snap ring pliers, and tube cutters.

### 104

Torque Wrenches

Include torque wrenches,  
electric screwdrivers, and driver bits

### 105

Snap Ring Pliers

Installation pliers  
for snap ring kits

### 105

Tube Cutters

The maximum tube  
cutting inner diameter is 6.0mm



# Torque Wrenches

- This product effectively prevents leakage caused by loose fittings and avoids tube detachment due to excessive torque;
- Addresses installation challenges in confined spaces with easy operation;
- Compatible with flat-face flanged fittings, clamp fittings, snap ring fittings, threaded plugs, and threaded-to-barbed fittings;
- Torque wrench range: 5–60 cN·m;
- Optional electric screwdriver (with bits) or torque wrench (with bits).

## ⓘ Precautions

1. A torque wrench bit requires a torque wrench, not an electric screwdriver.



- \* Torque Wrench
- \* Torque Wrench Bit

2. Comparison between torque wrench bits and electric screwdriver bits.



- \* Torque Wrench Bit
- \* Electric Screwdriver Bit

3. Some fittings have the same knob, so one bit fits multiple fittings.



- \* HFL6/Compact Flanged Fittings



- \* HBL6/Compact Rolling Thread Plug



- \* HNF6/Compact Ferrule Fittings

4. Compact threaded plugs in the HBL6 - U40 series have no matching bits.



- \* HBL6-U40/Configuration diagram of compact threaded plugs.

## T-ST/Torque Wrenches



| Item Code | Compatible Bit       |
|-----------|----------------------|
| 956002    | All Torque Bit Heads |



| Item Code | Compatible Fitting Series           |
|-----------|-------------------------------------|
| 959021    | PNC/Standard High-Pressure Fittings |



| Item Code | Compatible Fitting Series |
|-----------|---------------------------|
| 959015    | Luer Fitting Series       |



| Item Code | Compatible Fitting Series  |
|-----------|----------------------------|
| 959027    | HFL6-U40 Threaded Fittings |



| Item Code | Compatible Fitting Series                                    |
|-----------|--------------------------------------------------------------|
| 809738    | HF6/Compact Flanged Fittings<br>HN6/Compact Ferrule Fittings |



| Item Code | Compatible Fitting Series        |
|-----------|----------------------------------|
| 809259    | HNE6/Compact Hex Ferrule Fitting |



| Item Code | Compatible Fitting Series                                    |
|-----------|--------------------------------------------------------------|
| 809739    | HF/Standard Flanged Fittings<br>HN/Standard Ferrule Fittings |



| Item Code | Compatible Fitting Series         |
|-----------|-----------------------------------|
| 809260    | HNE/Long Standard Ferrule Fitting |



| Item Code | Compatible Fitting Series                                      |
|-----------|----------------------------------------------------------------|
| 959019    | HFL6/Compact Flanged Fittings<br>HNF6/Compact Ferrule Fittings |



| Item Code | Compatible Fitting Series                                                                                                       |
|-----------|---------------------------------------------------------------------------------------------------------------------------------|
| 959006    | HFL/Standard Flanged Fittings<br>HNF/Standard Ferrule Fittings<br>HBL/Standard Rolling Thread Plug<br>SBR/Rotary Thread to Barb |

## T-DT/Electric Screwdriver Bit



| Item Code | Compatible Fitting Series                                                                                                       |
|-----------|---------------------------------------------------------------------------------------------------------------------------------|
| 959005    | HFL/Standard Flanged Fittings<br>HNF/Standard Ferrule Fittings<br>HBL/Standard Rolling Thread Plug<br>SBR/Rotary Thread to Barb |



| Item Code | Compatible Fitting Series                                                                          |
|-----------|----------------------------------------------------------------------------------------------------|
| 959008    | HFL6/Compact Flanged Fittings<br>HNF6/Compact Ferrule Fittings<br>HBL6/Compact Rolling Thread Plug |



| Item Code | Compatible Fitting Series |
|-----------|---------------------------|
| 959003    | SB/Thread & Barb Fitting  |

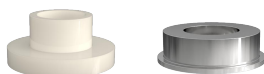


# Snap Ring Pliers

- Snap ring kit installation pliers: easy to operate, essential tools for snap ring kits.

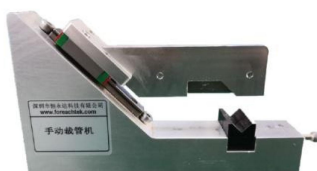
## Related Products

1. The snap ring kit is a two-piece set.



## Snap Ring Pliers

| Item Code | Model     | Maximum OD of Snap Ring Sleeves | Material |
|-----------|-----------|---------------------------------|----------|
| 959016    | T-SF-4-SS | 4mm                             | SUS304   |



# Tube Cutters

- For tube cutting;
- Compact size, simple operation, clean cuts.

## Tube Cutters

| Item Code | Model  | Maximum Tube Cutting OD |
|-----------|--------|-------------------------|
| 959009    | T-PC-6 | 6mm                     |

## Chemical Compatibility Table

|                                   | PEEK | PPS | PSU | PTFE | ETFE | PVDF | PMMA | POM | PP  |
|-----------------------------------|------|-----|-----|------|------|------|------|-----|-----|
| 50% Acetylaminoacetic Acid        |      |     |     | +    | +    | +    |      | +   |     |
| Acetone                           | +    | +   | -   | +    | +    | (+)  | -    | +   | +   |
| 10% Formic Acid                   | +    | +   |     | +    | +    | +    | +    | -   | +   |
| 10% Ammonia (aq.)                 | +    | +   | (+) | +    | +    | +    | -    | (+) | +   |
| Cyclohexanol                      |      |     |     | +    | +    | (+)  | -    | +   | +   |
| Gasoline                          | +    | +   | +   | +    | +    | +    | -    | +   | (+) |
| Benzene                           |      | (+) | -   | +    | +    | +    | -    | +   | (+) |
| 10% Boric Acid (aq.)              | +    |     |     | +    | +    | +    | +    | +   | +   |
| Butyl Acetate                     |      | +   | (+) | +    | +    | +    | -    | +   | (+) |
| 10% Calcium Chloride Solution     | +    | +   | +   | +    | +    | +    | +    | (+) | +   |
| Chlorobenzene                     |      | (+) |     | +    | +    |      | -    | +   | +   |
| Chloroform                        |      | (+) | -   | +    | +    | +    | -    | -   | (+) |
| 50% Dichlorobiphenyl Solution     |      |     |     | +    | +    |      |      | (+) |     |
| Cyclohexylamine                   |      | +   | +   | +    | +    | +    | +    | +   | +   |
| Cyclohexanone                     |      | +   |     | +    | +    | (+)  | (+)  | +   | +   |
| Decahydronaphthalene              |      |     |     | +    | +    |      | (+)  | +   | +   |
| Diesel                            |      | +   | +   | +    | +    | +    | (+)  | +   | (+) |
| Formamide                         |      | +   |     | +    | +    |      | -    | -   | +   |
| Diocetyl Phthalate                |      | (+) | +   | +    | +    |      | (+)  | +   | +   |
| 1,4-Dioxane                       |      | +   |     | +    | +    | +    | -    | +   | +   |
| Concentrated Acetic Acid          | -    | +   | +   | +    | (+)  |      | -    | -   | +   |
| 10% Acetic Acid                   | +    | +   | +   | +    |      | +    | +    | (+) | +   |
| 5% Acetic Acid                    | +    | +   | +   | +    | +    | +    | +    | (+) | +   |
| 96% Ethanol                       | +    | +   | +   | +    | +    | +    | (+)  | +   | +   |
| Ethyl Acetate                     |      |     | -   | +    | +    | +    | -    | +   | +   |
| Diethyl Ether                     |      |     | +   | +    | +    | +    | -    | +   | +   |
| Vinyl Chloride                    |      |     | (+) | +    | +    |      | -    | -   | +   |
| 40% Hydrofluoric Acid             |      |     |     | +    | +    |      | (+)  | -   | +   |
| 30% Formaldehyde (aq.)            | +    | +   |     | +    | +    | +    |      | -   | +   |
| Freon                             | -    | +   | +   | +    | +    |      | -    | +   | -   |
| Fruit Juice                       |      |     |     | +    | +    |      | -    |     | +   |
| Ethylene Glycol                   | +    | +   | +   | +    | +    | +    | +    | +   | +   |
| 40% Ethylene Glycol (aq.)         | +    | +   | +   | +    | +    | +    | +    | +   | +   |
| Glycerol                          |      |     | +   | +    | +    | +    | (+)  | +   | +   |
| Fuel                              |      | +   |     | +    | +    | +    | (+)  | +   | (+) |
| Octane                            |      |     | +   | +    | +    |      |      | +   | +   |
| Isopropanol                       |      | +   | (+) | +    | +    | +    | (+)  | +   | +   |
| Iodine Tincture                   |      |     |     | +    | +    |      | +    | (+) | +   |
| 50% Potassium Hydroxide Solution  | +    | +   |     | +    | +    | -    | -    | -   | +   |
| 10% Potassium Hydroxide Solution  |      | +   |     | +    | +    | (+)  | -    | -   | +   |
| 10% Potassium Dichromate Solution |      |     |     | +    | +    | +    | +    | (+) | +   |
| 1% Copper Sulfate Solution        | +    | +   |     | +    | +    | +    | +    | -   | +   |
| Xylene                            | +    | +   | -   | +    | +    | +    | -    | +   | -   |

Note: + Resistant; (+) Conditionally resistant; - Not resistant (dependent on solution concentration, contact time, and temperature).

## Chemical Compatibility Table

|                                  | PEEK | PPS | PSU | PTFE | ETFE | PVDF | PMMA | POM | PP  |
|----------------------------------|------|-----|-----|------|------|------|------|-----|-----|
| Linseed Oil                      |      | +   |     | +    | +    | +    | +    | +   | +   |
| Methanol                         |      | +   | +   | +    | +    | +    | -    | +   | +   |
| Methyl Ethyl Ketone              | +    | +   | -   | +    | +    | (+)  | -    | +   | +   |
| Dichloromethane                  |      | (+) | -   | +    | +    | +    | -    | (+) | -   |
| 10% Sodium Bisulfite (Aq.)       | +    | +   |     | +    | +    | +    | +    | -   | +   |
| 10% Sodium Carbonate (Aq.)       | +    | +   |     | +    | +    | +    | +    | (+) | +   |
| 10% Sodium Chloride (Aq.)        | +    | +   | +   | +    | +    | +    | +    | +   | +   |
| 10% Sodium Nitrate (Aq.)         |      | +   |     | +    | +    | +    |      | +   | +   |
| 10% Sodium Thiosulfate (Aq.)     |      | +   |     | +    | +    | +    |      | +   | +   |
| 50% Sodium Carbonate (Aq.)       | +    | +   |     | +    | +    | +    | -    | -   | +   |
| Nitrobenzene                     |      | (+) |     | +    | +    |      | -    | (+) | +   |
| 10% Oxalic Acid (Aq.)            | +    |     | +   | +    | +    | +    | +    | (+) | +   |
| Ozone                            |      |     |     | +    | +    | +    | -    | -   |     |
| Paraffin Oil                     |      |     |     | +    | +    | +    | +    | +   | +   |
| Tetrachloroethylene              |      | (+) | -   | +    | +    | +    | (+)  | +   | -   |
| Petroleum                        |      | +   |     | +    | +    | +    | -    | +   | +   |
| Phenol Solution                  |      | (+) |     | +    | +    | +    | -    | -   | +   |
| Concentrated Phosphoric Acid     | +    | +   | +   | +    | +    | +    |      |     | +   |
| 10% Phosphoric Acid (Aq.)        | +    | +   |     | +    | +    |      | +    | -   |     |
| Propanol                         |      |     |     | +    | +    | +    | +    | +   | +   |
| Pyridine                         |      | (+) |     | +    | +    | +    | -    | (+) | (+) |
| Salicylic Acid                   |      |     |     | +    | +    | +    |      | (+) |     |
| 2% Nitric Acid (Aq.)             | +    | +   | +   | +    | +    | +    | -    | -   | +   |
| 36% Hydrochloric Acid (Aq.)      | +    | (+) | (+) | +    | +    | +    | +    | -   | +   |
| 2% Hydrochloric Acid (Aq.)       | +    | (+) | +   | +    | +    | +    | +    | -   | +   |
| Sulfur Dioxide                   |      |     |     | +    | +    | +    | -    | +   | +   |
| 98% Sulfuric Acid (Aq.)          |      |     | -   | +    | +    | (+)  | -    | -   | +   |
| 2% Sulfuric Acid (Aq.)           | +    | +   | +   | +    | +    | +    | +    | -   | +   |
| Saturated Hydrogen Sulfide (Aq.) | +    |     |     | +    | +    |      | +    | -   | +   |
| Silicone Oil                     |      |     |     | +    | +    | +    | +    | +   | +   |
| 10% Sodium Carbonate (Aq.)       |      |     |     | +    | +    | +    | +    | +   | +   |
| Styrene                          |      |     |     | +    | +    |      | -    | +   | (+) |
| Tar                              |      |     |     | +    | +    |      |      | +   | +   |
| Tetrahydrofuran                  |      | +   |     | +    | +    | +    | -    | -   | (+) |
| 1,2,3,4-Tetrahydronaphthalene    |      |     |     | +    | +    |      | -    | +   | -   |
| Ink                              |      |     |     | +    | +    | +    | +    |     | +   |
| Toluene                          | +    | (+) | -   | +    | +    | +    | -    | +   | +   |
| Triethanolamine                  |      | (+) |     | +    | +    |      | -    | -   | (+) |
| Trichloroethylene                | +    | (+) | -   | +    | +    | +    | -    | -   | (+) |
| 10% Chelating Agent (Aq.)        |      |     |     | +    | +    |      |      |     |     |
| 30% Hydrogen Peroxide (Aq.)      | (+)  | (+) | (+) | +    | +    | +    | +    | -   | +   |
| Tartaric Acid (Aq.)              | +    |     |     | +    | +    | +    | +    | (+) | +   |

Note: + Resistant; (+) Conditionally resistant; - Not resistant (dependent on solution concentration, contact time, and temperature).

## Material Characteristics

|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PP   | PP, a thermoplastic polymer, offers advantages including lightweight properties, favorable mechanical performance, and excellent processability. With a density as low as 0.9–0.91 g/cm <sup>3</sup> , it exhibits commendable tensile strength, hardness, and outstanding resistance to flexural fatigue. PP demonstrates strong resistance to acids, alkalis, salt solutions, and most organic solvents (e.g., ethanol, gasoline), making it suitable for packaging chemicals, food products, and more. Its operational temperature range spans from -10°C to 120°C. |
| PA   | PA, a semi-crystalline engineering thermoplastic characterized by high strength, superior wear resistance, good toughness, and self-lubricating properties. Exhibits significant moisture absorption (impacting dimensional stability). Resistant to oils, most organic solvents, and moderate acids/bases, but susceptible to strong acids, phenol, and formic acid—prolonged exposure causes degradation. Operating range: -40°C to 120°C.                                                                                                                           |
| PVDF | PVDF, a fluoropolymer combining chemical corrosion resistance with robust mechanical properties. Features exceptional weatherability, UV/radiation resistance. Withstands strong acids, alkalis, halogens, and most organic solvents, though moderately susceptible to strong oxidizers (e.g., concentrated HNO <sub>3</sub> ) at elevated temperatures. Operating range: -40°C to 150°C.                                                                                                                                                                              |
| POM  | POM, high-density, crystalline engineering plastic offering exceptional mechanical properties: high hardness/stiffness, outstanding wear/fatigue resistance—dubbed "Acetal Steel". Resists most organic solvents, oils, and weak acids/bases, but vulnerable to strong acids (long-term exposure causes corrosion). Operating range: -40°C to 100°C.                                                                                                                                                                                                                   |
| ETFE | ETFE, fluoropolymer copolymer with superior chemical/weathering resistance and impact strength. Mechanical strength exceeds PTFE while remaining melt-processable. Resists nearly all strong acids/bases and organic solvents (chemical stability ≈ PTFE), though with lower radiation resistance. Operating range: -80°C to 150°C.                                                                                                                                                                                                                                    |
| PEEK | PEEK, high-performance specialty thermoplastic with extreme strength, heat/radiation resistance, and biocompatibility—retains properties in harsh environments. Resists strong acids/bases, organic solvents, and radioactive media; chemically inert (slow swelling only in concentrated H <sub>2</sub> SO <sub>4</sub> ). Operating range: -180°C to 225°C.                                                                                                                                                                                                          |
| PPS  | PPS, high-crystallinity engineering thermoplastic with elevated heat resistance, chemical inertness, excellent electrical insulation, and dimensional stability. Resists strong acids/bases, salt solutions, and most organic solvents; dissolves only in strong oxidizing acids (e.g., fuming H <sub>2</sub> SO <sub>4</sub> ) at high temperatures. Operating range: -40°C to 220°C.                                                                                                                                                                                 |
| PTFE | PTFE, ultra-high-performance fluoropolymer ("Plastic King") with extreme chemical inertness, low friction coefficient, and thermal stability. Resists virtually all strong acids/bases, oxidizers, and solvents—impervious even to aqua regia. Operating range: -200°C to 260°C.                                                                                                                                                                                                                                                                                       |
| TPU  | TPU, elastomer balancing plastic-like strength with rubber-like elasticity, offering abrasion/tear resistance and cryogenic performance. Resists oils, aliphatic solvents, and most chemicals; swells in strong acids/bases and aromatic solvents (e.g., toluene). Operating range: -30°C to 70°C.                                                                                                                                                                                                                                                                     |
| PVC  | PVC, versatile thermoplastic where rigid PVC provides high hardness/stiffness, while flexible PVC (plasticizer-modified) offers flexibility at low cost. Resists acids/bases and inorganic reagents; degraded by aromatics/chlorinated solvents and releases HCl at high temperatures. Operating range: -42°C to 75°C.                                                                                                                                                                                                                                                 |
| FEP  | FEP, PTFE-like fluoropolymer with excellent chemical/weathering resistance and melt-processability (superior flow vs. PTFE). Matches PTFE's chemical stability but with lower thermal limits. Operating range: -230°C to 200°C.                                                                                                                                                                                                                                                                                                                                        |
| PFA  | PFA, high-performance fluoropolymer with PTFE-comparable properties, enhanced melt-processability/formability, and superior stress-crack resistance. Matches PTFE's chemical inertness (all strong acids/bases/organic solvents) and offers top-tier thermal stability among fluoropolymers. Operating range: -230°C to 200°C.                                                                                                                                                                                                                                         |

\*Note: All materials listed above comply with RoHS 2.0 requirements.

## Material Certification

| Material | ISO 10993 | USP CLASS VI | FDA | UL | NSF/ANSI 61 | M/SDS | RoHS | REACH |
|----------|-----------|--------------|-----|----|-------------|-------|------|-------|
| PP       |           | ✓            | ✓   | ✓  |             | ✓     | ✓    | ✓     |
| PA66     |           |              |     | ✓  |             | ✓     | ✓    | ✓     |
| POM      |           |              |     | ✓  | ✓           | ✓     | ✓    | ✓     |
| PPS      |           |              |     | ✓  | ✓           | ✓     | ✓    | ✓     |
| PEEK     | ✓         |              | ✓   | ✓  |             | ✓     | ✓    | ✓     |
| PVDF     |           |              | ✓   | ✓  |             | ✓     | ✓    | ✓     |
| ETFE     |           |              |     | ✓  |             | ✓     | ✓    |       |
| PVC      | ✓         | ✓            |     |    |             | ✓     | ✓    | ✓     |
| TPU      |           |              | ✓   | ✓  |             | ✓     | ✓    | ✓     |
| FEP      |           |              |     | ✓  |             | ✓     |      |       |
| PTFE     |           |              |     | ✓  |             | ✓     |      |       |
| PFA      |           |              | ✓   |    |             | ✓     | ✓    | ✓     |

RIGID TUBING  
FITTINGS

HOSE  
FITTING

LUER  
FITTING

QUICKDISCONNECT  
COUPLING

UNION

PLUG

BARBED  
FILTER

BARBED  
CHECK VALVE

TUBING

ACCESSORY

ATTACHED  
SHEET

## Thread Size Comparison Table

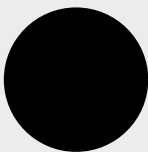
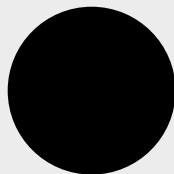
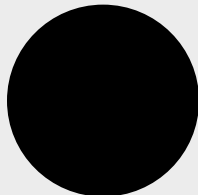
Scale (1:1)

| Metric Thread                                                                            | Unified National Fine                                                                       | National Pipe Taper                                                                            |
|------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| M5x0.8  | 6-40UNF    | 1/8-27NPT   |
| M6x1    | 10-32UNF   | 1/4-18NPT   |
|                                                                                          | 1/4-28UNF  | 3/8-18NPT   |
|                                                                                          |                                                                                             | 1/2-14NPT  |

\*At a 1:1 scale with the actual product, it can be compared with the actual dimensions.

## Pipe Diameter Size Comparison Table

Scale (1:1)

|                                                                                     |                                                                                   |                                                                                    |                                                                                     |                                                                                      |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|    |  |   |    |     |    |  |  |  |
| 0.8mm                                                                               | 1.6mm                                                                             | 1.8mm                                                                              | 2.0mm                                                                               | 2.4mm                                                                                | 2.5mm                                                                               | 2.6mm                                                                               | 2.7mm                                                                               | 2.8mm                                                                               |
|    |  |   |    |     |  |  |  |                                                                                     |
| 3.0mm                                                                               | 3.2mm                                                                             | 3.5mm                                                                              | 3.8mm                                                                               | 4.0mm                                                                                | 4.8mm                                                                               | 5.0mm                                                                               | 5.6mm                                                                               |                                                                                     |
|    |  |   |    |     |  |  |                                                                                     |                                                                                     |
| 5.7mm                                                                               | 6.0mm                                                                             | 6.4mm                                                                              | 7.1mm                                                                               | 7.9mm                                                                                | 8.0mm                                                                               | 8.6mm                                                                               |                                                                                     |                                                                                     |
|    |  |   |  |   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| 9.5mm                                                                               | 10.0mm                                                                            | 12.7mm                                                                             | 14.3mm                                                                              | 15.9mm                                                                               |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|  |                                                                                   |  |                                                                                     |  |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| 19.1mm                                                                              |                                                                                   | 22.2mm                                                                             |                                                                                     | 25.4mm                                                                               |                                                                                     |                                                                                     |                                                                                     |                                                                                     |

\*At a 1:1 scale with the actual product, it can be compared with the actual dimensions.



深圳市光明区玉塘街道玉律社区光侨大道1008号  
裕丰达工业园2栋1301

13th Floor, 2nd Building. Yufengda Industrial Park,  
1008th Guang Qiao Boulevard, Guangming District,  
Shenzhen 518132 CHINA  
sales@foreachtek.com  
+86 0755-86553831

[www.foreachtek.com](http://www.foreachtek.com)

Search

PUMP / VALVE / PROBE  
FITTING / TUBING / DRIVER / SENSOR



Scan for more  
information

BOBEG15