

14

14 Years' focus on fluid system

19

19 Years' R&amp;D Experience

100

Business covers more than 100 countries &amp; regions

12,000

more than 12,000 well-known enterprise customers

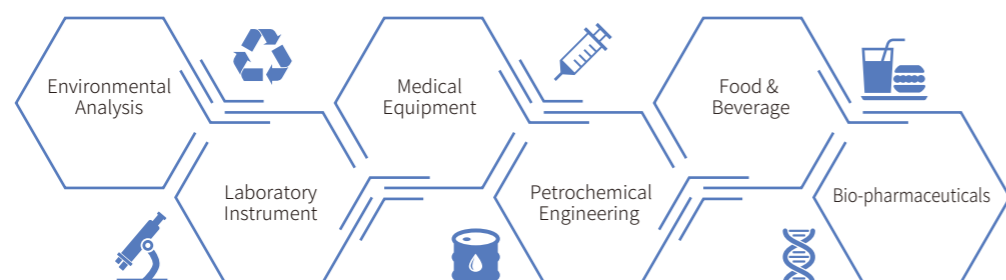


## 公司简介 COMPANY PROFILE

Nanjing Runze Fluid Control Equipment Co.,Ltd is a high-tech enterprise who devote ourselves to research and develop high precision analytical parts such as syringe pumps, multiport valves, plastic fittings, peristaltic pumps, gas-tight syringes, customized dispensing systems that play an important role in medical analysis instruments, environmental on-line analyzers, industrial production line, laboratory and biological analyzers.

RUNZE possess solid technical foundation, relative professional R&D team, high-tech production equipment, skillful inspection procedures that help to establish its key position on the market. In coming future, we will persevere in higher level analytical technologies to provide customers with most satisfactory application experience, microfluidic solutions and services.

### Industrial Applications



## 企业荣誉 ENTERPRISE HONOR

RUNZE attracted experienced talents with strong capability on integrating software and hardware at electronic research, mechanical design, mold manufacturing. In past years, we have accumulated rich technical and practical experience that bring us honors of ISO9001, National High-tech Enterprise, Jiangsu Province Private Science and Technology Enterprise, 5A Bank Credit Assessment, 59 technical patents and software copyright including 5 invention patents, 41 utility model patents, 13 design patents, 2 software copyright.

In order to provide our customers with the best quality and service, our syringe pumps, switching valves, peristaltic pumps, pump tubings, joints and other accessories have applied for various international certifications, such as ISO 9001, ROHS, CE, SGS, etc.



- 01 Quality Management System Certificate
- 02 Computer Software Copyright Registration Certificate
- 03 Design Patent Certificate
- 04 Utility Model Patent Certificate
- 05 Certificate for Inventor's Patent Right
- 06 China's High-tech Enterprise
- 07 Private Technology Enterprise in Jiangsu Province
- 08 Innovate and Develop Advanced Units



PRODUCT CATEGORY

**RUNZE PRODUCTS**

Syringe Pump

Gastight Syringe

Multiport Valve

Peristaltic Pump

Stepper Motor Driver

Accessories

Above information please refer to  
*RUNZE FLUID PUMPS AND VALVES SERIES CATALOGUE*

Fittings & Connectors

Tubing

Above information please refer to  
*RUNZE FLUID PLASTIC FITTINGS & TUBE CATALOGUE*

WELCOME TO RUNZE

## A SMARTER FLUIDIC ACCESSORY SYSTEM

Runze fluid is dedicated to your success through thousands of solutions for our customers and fierce global competition with other companies. Productivity ensurement, downtime reduction, and safety increasement is our innovative approaches to enhance your competitive advantages. We will cooperate closely with you and share our experience in fluid systems with you. All of our knowledge and experience is available through design consultation, technical support, product selection and field commissioning.

Each employee in Runze willing to listen to your needs in order to provide you with the most suitable solution.



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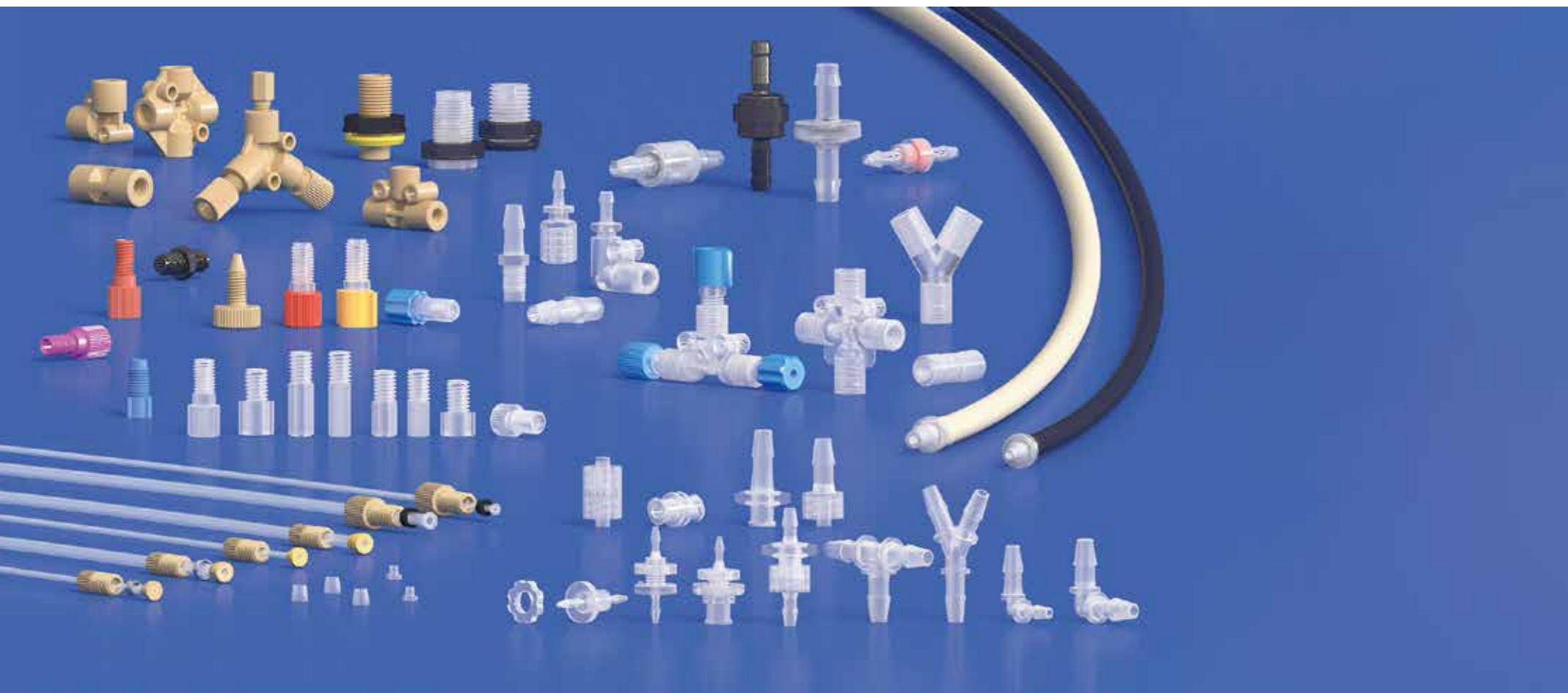
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## Overview

- **Thread Fittings:** fittings with male threads and ferrule (clip) bring tight connections for PTFE, FEP and other tubing applications. The fittings types can be classified as flangeless fittings and flanged fittings (flanged, flat).
  - ★ Flangeless fittings are standard fittings with straight threads, which can be used without additional tools and are economical and durable. Just put the flangeless nut and ferrule on the tube and screw it into the tubing interface; it needs to be used with ferrule.
  - ★ Flanged fittings: The fitting requires a flat flanged end and a washer located between the flanged end and the flat fittings. Tightened by the flangeless nut for the sealing, the wetted part of this kind of fitting is the tube itself; matching washer is required.
- **Barb-to-Thread Fittings:** These fittings have both threads and barbed ends, and the thread parts are convenient for tubing arrangement, convergence and fixing.
  - ★ 1. Female thread to barbed end: for hose and rigid tube conversion connection
  - ★ 2. Bottom sealing: The threads are left with a step plane, and face-to-face contact is sealed by thread extrusion.
- **Barbed Fittings:** fittings with barbed head, insert the fitting into the inner diameter of the tube, the barbed end makes the hose expand by internal pressure, pipe expansion ratio of about 20% ~ 50%, so that it seals, sealing pressure  $\leq 200\text{kPa}$  (29psi), test conditions for rubber hose, hardness of 64 (Shore A), room temperature. Used for silicone tube, rubber tube, viton tube and other flexible tubes.
  - ★ Hose fittings: types can be divided into straight, L-type, T-type, Y-type and Barbed Bulkhead Union, etc. It can also be divided into the same tube size connectors (equal connector) and different tube size connectors (reducer connector), such as equal union, reducer union, reducer L-type, etc.
  - ★ Luer adapters: plug-in type, easy to connect the hose, Luer connector consists of male Luer and female Luer, male Luer is equipped with a 6% (Luer) male cone locking adapters with female threaded circlip, female Luer is equipped with a 6% (Luer) female thread locking adapter with male thread.

## NOTES

1.Regarding the data provided by *Runze Comprehensive Performance Test Report*, the following notes

**Pull-off strength:** Refers to the force that the pipe falls off when it is connected to the mouth

Test method: Install and tighten the sample assembly and torque fixture,Turn the handle until the tube comes off,Record the torque when it fall off.

**Rapture value:** Refers to the pressure value recorded when air leakage begins to occur in the air tightness testing on tube or joint.

**Pressure values:** The pressure values we provide are all safety pressures, which is 70% of the critical pressure at which the pipe or joint is about to leak under the pressure test.

Test method: Connect the sample to the tooling of fitting pressure test, fill the tank with water, and observed for bubble formation in the water tank under pressure,Rotate the pressure regulating valve and increase the pressure step by step until leakage occurred, then record the value. At this time, the pressure is the withstand pressure,The pressure can be reduced to 70% to conduct pressure holding test for the observation of leakage

**Deformation Degree:** Deformed Tubing ID  $\div$  Non-deformed Tubing ID

2.Unless specified otherwise, all tests involved in fittings are done with water at room temperature. Results may vary depending on receiving port and tube material, actual tube diameter (standard tolerance), temperature and solvent used, and data is for reference only.

More detailed information can be obtained by contacting Runze sales engineer (+86 138-5195-4068).

## Material Characteristic

PP	Polypropylene is a polymer made by the polymerization of propylene, transparent and light in appearance, resistant to acids, alkalis, salts and many organic solvents below 80°. FDA and UL approved material, applicable temperature range 13°C ~66°C <b>REACH and RoHS Certified ,Biocompatibility reports available</b>
PTFE	Polytetrafluoroethylene, with typical excellent properties of gas plastic resin, good tensile properties, chemical resistance, low friction. Applicable temperature range -50°C ~100°C <b>REACH and RoHS Certified</b>
PFA	Copolymer of a small amount of Heptafluoropropyltrifluorovinylether and polytetrafluoroethylene. Melt bonding is enhanced while the viscosity of the solution is reduced, and there is no change in performance compared with polytetrafluoroethylene. Applicable temperature range -50°C ~ 100°C <b>REACH and RoHS Certified</b>
PEEK	High performance thermoplastic material, 30% carbon fiber reinforced polyacrylate ketone (PEEK), meets FDA food contact standards for higher strength and stiffness applications in static or dynamic systems. Good wear resistance, low coefficient of friction, low coefficient of thermal expansion, and chemical resistance to corrosive environments. Applicable temperature range -100°C~ 250°C <b>REACH and RoHS Certified, Biocompatibility reports available</b>
ETFE	a fluoropolymer, is chemically inert and has excellent chemical resistance, making it more suitable for high pressure applications than PTFE, FEP and PFA. Temperature range -80°C to 220°C <b>REACH Certified</b>
POM	A polyoxymethylene (POM) copolymer product that meets UL certification and maintains considerable chemical stability, excellent abrasion resistance and rigidity at high temperatures. Applicable temperature range -20°C ~ 60°C
PPS	Fortron@1140L4 is a polyphenylene sulfide PPS filled with 40% glass reinforcement, which has high strength, high toughness, excellent heat and chemical resistance, good electrical properties and inherent flame retardancy, high strength and rigidity at high temperatures allowing for good load bearing properties. Applicable temperature range -50°C~150°C <b>RoHS Certified</b>
PVDF	Kvnr@ resin is a vaporized thermoplastic homopolymer, FDA. USP Class V standard material. It can be sterilized by gamma radiation, but there will be some degree of color change at higher doses. Applicable temperature range -27°C~108°C

## Application Note 8mm

### What are the specifications of our threads?

Place your fitting on the outline of the male thread in the picture below to identify the corresponding thread specification

USS threads: UNF fine thread series(Thread Distance: mm)	USS thread (Thread Distance: mm)	USS thread (Thread Distance: mm)
6-40UNF (0.635)	M6*1 (1.00)	M10*1.5 (1.50)
10-32UNF (0.794)	M8*1 (1.00)	M12*1 (1.00)
1/4-28UNF (0.907)	M8*1.25 (1.25)	M13*1 (1.00)
5/16-24UNF (1.058)	M10*1 (1.00)	M16*1.25 (1.25)
1/2-20UNF (1.270)	M10*1.25 (1.25)	





# PEEK Flanged Fitting —two-piece set

- ◆ A traditional flat-bottomed fitting. By deforming the bottom of the tube, the bottom of the tube then compressed to form an airtight rigid tube connection system.
- ◆ No change in tube diameter, no effect on flow rate, more stable flow rate
- ◆ Can be disassembled repeatedly without affecting its sealing.
- ◆ Long-term working temperature range -50°C~+150°C.
- ◆ Used for standard rigid tubing OD 1.6/2.0/2.5/3.0/3.2mm, easy and fast installation.
- ◆ Thread: 1/4-28UNF, M6.

◆ REACH and RoHS Certified ,Biocompatibility reports available.

### Application Note

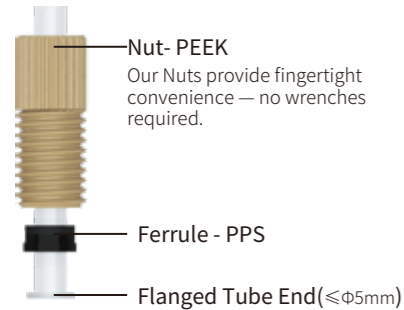
**Step 1.** Flange the tubing with exclusive flange tools, tubing can be flanged one end or both two ends, depending on specific application requirements

**Step 2.** When tubing flanged in two ends, 2 pieces clips and 2 pieces nuts need to be slid into the tubing before both ends flanged; when tubing flanged in one end, 1 piece clip and 1 piece nut can be slid into tubing before or after the one end flanged.

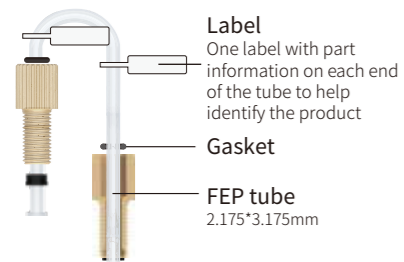
**Step 3.** Insert the assembly into the receiving port, pushing the tubing into the port until it bottoms out

**Step 4.** Finger tighten the fittings into the port until snug

**Step 5.** After several uses (especially at high pressure) the flanged tube should be replaced



※ Make sure the ferrule is oriented correctly! The narrow end of the ferrule should towards the nut.  
 ※ Flange the tubing with exclusive flange tools

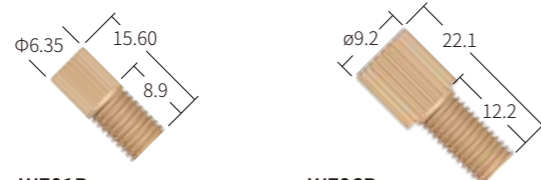


### Related Products

▶ Please refer to page 89-90 FEP/PTFE Tube

SKU	Model (ID*OD)	Note
1005040001	TFLG00001 (0.8*1.6)	FEP Transparent
1005040002	TFLG00002 (1*2)	FEP Transparent
1005040003	TFLG00003 (1.5*2.5)	FEP Transparent
1005040004	TFLG00004 (2*3)	FEP Transparent
1005040005	TFLG00005 (2.175*3.175)	FEP Transparent

### Flangeless Nut (mm)



**WF01B**  
For 1.6/2.0mmOD tube

**WD01B**  
For 2.5/3.0/3.2mmOD tube

**WF06B**  
For 1.6/2.0mmOD tube

**WD06B**  
For 2.5/3.0/3.2mmOD tube

### Ferrule (mm)



**KCF-016S**  
For 1.6mm OD tube

**KCF-020S**  
For 2.0mm OD tube

**KCF-025S**  
For 2.5mm OD tube

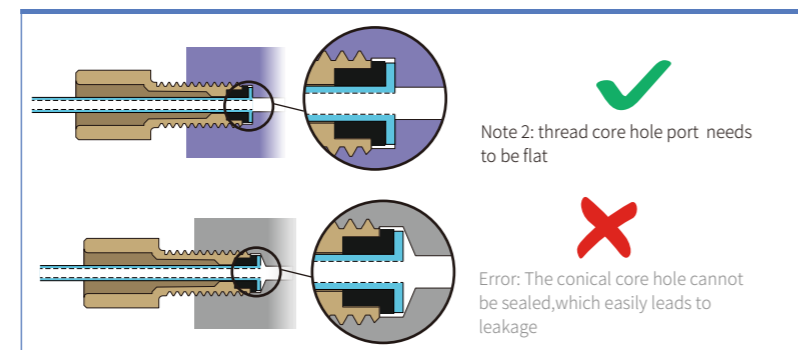
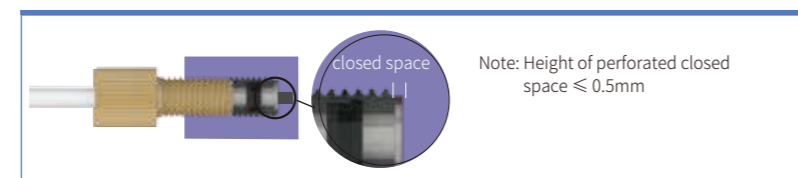
**KCF-030/032S**  
For 3.0/3.2mm OD tube

**KCF-016-S316**  
For 1.6mm OD tube

**KCF-020-S316**  
For 2.0mm OD tube

**KCF-025-S316**  
For 2.5mm OD tube

**KCF-030/032-S316**  
For 3.0/3.2mm OD tube



### Related Products

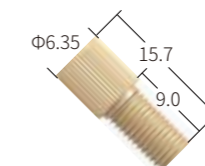
▶ It is recommended to purchase the handtighten tooling. The handle is designed to be longer and larger. with a larger force area, it is easier to tighten fittings in tight spaces.



SKU	Model No.	Note
1011010101	SNGZ-2-X	Suitable for WF06B, WD06B flangeless fittings
1066080014	13*42	Strong magnetic sleeve
1011010100	SNGZ-1-X	Suitable for WF01B, WD01B WF35E flangeless fittings
1066080004	10*42	Strong magnetic sleeve
1066080003	N20LTDK	Torque detector

Note: the ratio of the physical connector to the picture is 5:6

### 10-32UNF Flangeless Nut(mm) 10-32UNF Ferrule (mm)



**WF35E-10-32-K**  
For 2.0mmOD tube



**KEF-016-S**  
For 1.6mm OD tube



**KDF-020-S**  
For 2.0mm OD tube

SKU	Model No.	Thread	Tube OD	Torque	Pull-off Strength	Rapture Pressure	Pressure Rating	Material(natural *black)
<b>WF01B/WD01B</b>								
1011140001	WF01B-28K * KCF-016S	1/4-28UNF	1.6mm OD	0.3N·M	2.00 kgf	9.63 Mpa	6.74 Mpa	PEEK * PPS black
1011140002	WF01B-28K * KCF-020S	1/4-28UNF	2.0mm OD	0.2N·M	2.79 kgf	10.5 Mpa	7.35 Mpa	PEEK * PPS black
1011140005	WD01B-28K * KCF-025S	1/4-28UNF	2.5mm OD	0.2N·M	3.48 kgf	6.27 Mpa	4.39 Mpa	PEEK * PPS black
1011140006	WD01B-28K * KCF-030/032S	1/4-28UNF	3.0mm/3.2mm OD	0.3N·M	6.11 kgf	4.95 Mpa	3.46 Mpa	PEEK * PPS black
1011140019	WF01B-M6K * KCF-016S	M6	1.6mm OD	0.3N·M	1.38 kgf	10.31 Mpa	7.21 Mpa	PEEK * PPS black
1011140020	WF01B-M6K * KCF-020S	M6	2.0mm OD	0.3N·M	2.69 kgf	12.07 Mpa	8.45 Mpa	PEEK * PPS black
<b>WF06B/WD06B</b>								
1011140003	WF06B-28K * KCF-016S	1/4-28UNF	1.6mm OD	0.2N·M	2.63 kgf	9.63 Mpa	6.74 Mpa	PEEK * PPS black
1011140004	WF06B-28K * KCF-020S	1/4-28UNF	2.0mm OD	0.2N·M	2.68 kgf	6.76 Mpa	4.74 Mpa	PEEK * PPS black
1011140007	WD06B-28K * KCF-025S	1/4-28UNF	2.5mm OD	0.2N·M	2.44 kgf	6.80 Mpa	4.76 Mpa	PEEK * PPS black
1011140008	WD06B-28K * KCF-030/032S	1/4-28UNF	3.0mm/3.2mm OD	0.2N·M	5.60 kgf	6.10 Mpa	4.27 Mpa	PEEK * PPS black
1011140021	WF06B-M6K * KCF-016S	M6	1.6mm OD	0.2N·M	2.20 kgf	10.53 Mpa	7.37 Mpa	PEEK * PPS black
1011140022	WF06B-M6K * KCF-020S	M6	2.0mm OD	0.2N·M	2.54 kgf	7.72 Mpa	5.40 Mpa	PEEK * PPS black

SKU	Model No.	Thread	Tube OD	Material
<b>10-32UNFPEEK Flanged Fitting</b>				
1011010141	WF35E-32K * KEF-016S	10-32UNF	1.6mm OD	PEEK*SUS316
1011010142	WF35E-32K * KEF-020S	10-32UNF	2.0mm OD	PEEK*SUS316

SKU	Model No.	Thread	Model (ID*OD)	FEP tube length	Torque	Pull-off Strength	Rapture Pressure	Pressure Rating	Material (natural* black *natural)
<b>With flanged tube</b>									
1011150001	WD06B-28K * KCF-030/032S * TFLG05 /0.2	1/4-28UNF	2.175*3.175mm	0.2 m	0.2N·M	5.60 kgf	6.10 Mpa	4.27 Mpa	PEEK * PPS * FEP
1011150002	WD06B-28K * KCF-030/032S * TFLG05 /0.3	1/4-28UNF	2.175*3.175mm	0.3 m	0.2N·M	5.60 kgf	6.10 Mpa	4.27 Mpa	PEEK * PPS * FEP
1011150003	WD06B-28K * KCF-030/032S * TFLG05 /0.5	1/4-28UNF	2.175*3.175mm	0.5 m	0.2N·M	5.60 kgf	6.10 Mpa	4.27 Mpa	PEEK * PPS * FEP
1011150004	WD06B-28K * KCF-030/032S * TFLG05 /1	1/4-28UNF	2.175*3.175mm	1 m	0.2N·M	5.60 kgf	6.10 Mpa	4.27 Mpa	PEEK * PPS * FEP
1011150005	WD06B-28K * KCF-030/032S * TFLG05 /2	1/4-28UNF	2.175*3.175mm	2 m	0.2N·M	5.60 kgf	6.10 Mpa	4.27 Mpa	PEEK * PPS * FEP
1011150006	WD01B-28K * KCF-030/032S * TFLG06 /0.2	1/4-28UNF	1.6*3.175mm	0.2 m	0.3N·M	6.11 kgf	4.95 Mpa	3.46 Mpa	PEEK * PPS * FEP
1011150007	WD01B-28K * KCF-030/032S * TFLG06 /0.3	1/4-28UNF	1.6*3.175mm	0.3 m	0.3N·M	6.11 kgf	4.95 Mpa	3.46 Mpa	PEEK * PPS * FEP
1011150008	WD01B-28K * KCF-030/032S * TFLG06 /0.5	1/4-28UNF	1.6*3.175mm	0.5 m	0.3N·M	6.11 kgf	4.95 Mpa	3.46 Mpa	PEEK * PPS * FEP
1011150009	WD01B-28K * KCF-030/032S * TFLG06 /1	1/4-28UNF	1.6*3.175mm	1 m	0.3N·M	6.11 kgf	4.95 Mpa	3.46 Mpa	PEEK * PPS * FEP
1011150010	WD01B-28K * KCF-030/032S * TFLG06 /2	1/4-28UNF	1.6*3.175mm	2 m	0.3N·M	6.11 kgf	4.95 Mpa	3.46 Mpa	PEEK * PPS * FEP

Note: If you need specific model other than above specification, please contact us for customization.

\*Please refer to the notes at the bottom of page 7 for the definitions of Pull-off force, Rapture value, and Pressure rating.



# PEEK Flangeless Fitting

## —two-piece set

- ◆ Standard fittings with straight threads, which are tool-free and durable. Simply slip the nut and ferrule on the tube, screwing them into the tube. Need to use with ETFE ferrule.
- ◆ CUT (Continuous Use Temperature): -80°C~+220°C
- ◆ Used for standard rigid tubing OD 1.6/2.0/2.5/3.0/3.2mm, easy and fast installation.
- ◆ Thread: 1/4-28UNF, M6
- ◆ REACH and RoHS Certified ,Biocompatibility reports available.

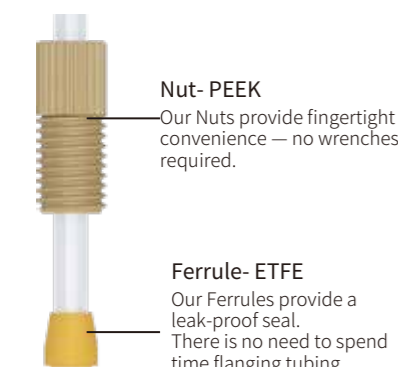
### ★ Application Note

**Step 1.** Slide the PEEK nut, followed by the ETFE ferrule, at least 3/16"(4.7625mm) from the end of clean cut tubing

**Step 2.** Insert the assembly into the receiving port, pushing the tubing into the port until it bottoms out

**Step 3.** Finger tighten the fittings into the port until snug

**Step 4.** After several uses (especially at high pressure) the ferrules should be replaced



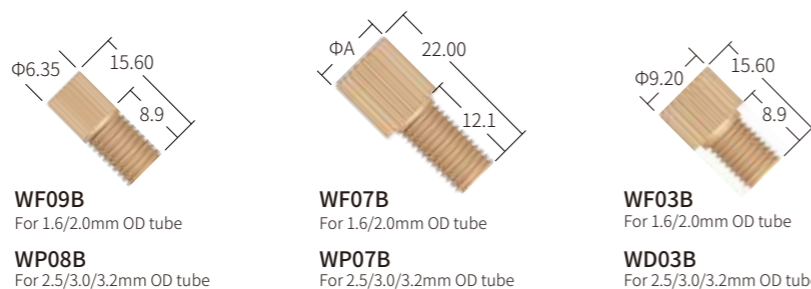
※ Make sure the ferrule is oriented correctly! The narrow end of the ferrule should towards the nut.  
 ※ M6 threaded fittings support customization

### 🔗 Related Products

▶ Please refer to page 89-90 FEP/PTFE Tube to achieve connection with rigid tube

SKU	Model (ID*OD)	Note
1005040001	TFLG00001 (0.8*1.6)	FEP Transparent
1005040002	TFLG00002 (1*2)	FEP Transparent
1005040003	TFLG00003 (1.5*2.5)	FEP Transparent
1005040004	TFLG00004 (2*3)	FEP Transparent
1005040005	TFLG00005 (2.175*3.175)	FEP Transparent

### Flangeless Nut (mm)



**WF09B**

For 1.6/2.0mm OD tube

**WP08B**

For 2.5/3.0/3.2mm OD tube

**WF07B**

For 1.6/2.0mm OD tube

**WP07B**

For 2.5/3.0/3.2mm OD tube  
 Note: WF07B-1/4-28-K, ΦA=Φ9.00  
 WP07B-1/4-28-K, ΦA=Φ9.20  
 WF07B-M6-K, ΦA=Φ9.20  
 WP07B-M6-K, ΦA=Φ9.00

**WF03B**

For 1.6/2.0mm OD tube

**WD03B**

For 2.5/3.0/3.2mm OD tube

### Ferrule (mm)



**YE-016F**

For 1.6mm OD tube

**YE-020F**

For 2.0mm OD tube

**YC-025F**

For 2.5mm OD tube

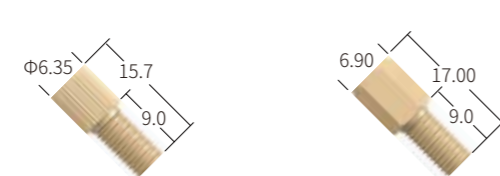
**YC-030F**

For 3.0mm OD tube

**YC-032F**

For 3.2mm OD tube

### IO-32UNF Flangeless Nut (mm)



**WF25E-10-32-K**

For 1.6mm OD tube

**WF21C-10-32-K**

For 1.6mm OD tube

### IO-32UNF Ferrule (mm)



**YT-016-F**

For 1.6mm OD tube

### 🔗 Related Products

▶ It is recommended to purchase the handtightening tooling. The handle is designed to be longer and larger, with a larger force area, it is easier to tighten fittings in tight spaces.



SKU	Model No.	Note
1011010061	SNGZ-1	Suitable for WF09B/WP08B WF25E PEEK fitting
1066080004	10*42	Strong magnetic sleeve
1011010101	SNGZ-2-X	Suitable for WF07B/WD07B PEEK fitting
1066080014	13*42	Strong magnetic sleeve
1066080003	N20LTDK	Torque detector

SKU	Model No.	Thread	Tube OD	Torque	Pull-off Strength	Rapture Pressure	Pressure Rating	Deformation Degree	Material (natural*yellow)
<b>WF09B/WP08B</b>									
1011010018	WF09B-28K * YE-016F	1/4-28UNF	1.6mm OD	0.2N·M	1.86 kgf	8.52 Mpa	5.96 Mpa	0.9	PEEK * ETFE
1011010017	WF09B-28K * YE-020F	1/4-28UNF	2.0mm OD	0.2N·M	1.94 kgf	9.81 Mpa	6.87 Mpa	0.76	PEEK * ETFE
1011010016	WP08B-28K * YC-025F	1/4-28UNF	2.5mm OD	0.3N·M	2.92 kgf	6.67 Mpa	4.67 Mpa	0.867	PEEK * ETFE
1011010015	WP08B-28K * YC-030F	1/4-28UNF	3.0mm OD	0.3N·M	4.05 kgf	5.88 Mpa	4.12 Mpa	0.83	PEEK * ETFE
1011010014	WP08B-28K * YC-032F	1/4-28UNF	3.2mm OD	0.3N·M	4.05 kgf	9.04 Mpa	6.33 Mpa	0.74	PEEK * ETFE
1011010050	WF09B-M6K * YE-016F	M6	1.6mm OD	0.2N·M	2.21 kgf	9.09 Mpa	6.36 Mpa	0.8	PEEK * ETFE
1011010051	WF09B-M6K * YE-020F	M6	2.0mm OD	0.2N·M	2.74 kgf	9.55 Mpa	6.69 Mpa	0.73	PEEK * ETFE
1011010052	WP08B-M6K * YC-025F	M6	2.5mm OD	0.3N·M	3.49 kgf	5.36 Mpa	3.75 Mpa	0.82	PEEK * ETFE
1011010053	WP08B-M6K * YC-030F	M6	3.0mm OD	0.3N·M	4.29 kgf	4.93 Mpa	3.45 Mpa	0.8	PEEK * ETFE
1011010054	WP08B-M6K * YC-032F	M6	3.2mm OD	0.3N·M	3.91 kgf	7.42 Mpa	5.19 Mpa	0.74	PEEK * ETFE
<b>WF07B/WP07B</b>									
1011010066	WF07B-28K * YE-016F	1/4-28UNF	1.6mm OD	0.2N·M	1.93 kgf	9.62 Mpa	6.73 Mpa	0.79	PEEK * ETFE
1011010067	WF07B-28K * YE-020F	1/4-28UNF	2.0mm OD	0.2N·M	2.02 kgf	9.82 Mpa	6.87 Mpa	0.85	PEEK * ETFE
1011010041	WP07B-28K * YC-025F	1/4-28UNF	2.5mm OD	0.2N·M	3.41 kgf	6.72 Mpa	4.70 Mpa	0.8	PEEK * ETFE
1011010042	WP07B-28K * YC-030F	1/4-28UNF	3.0mm OD	0.2N·M	3.48 kgf	5.30 Mpa	3.71 Mpa	0.8	PEEK * ETFE
1011010043	WP07B-28K * YC-032F	1/4-28UNF	3.2mm OD	0.3N·M	3.94 kgf	7.62 Mpa	5.33 Mpa	0.72	PEEK * ETFE
1011010039	WF07B-M6K * YE-016F	M6	1.6mm OD	0.2N·M	2.39 kgf	9.51 Mpa	6.66 Mpa	0.73	PEEK * ETFE
1011010040	WF07B-M6K * YE-020F	M6	2.0mm OD	0.2N·M	1.80 kgf	10.2 Mpa	7.14 Mpa	0.73	PEEK * ETFE
1011010063	WP07B-M6K * YC-025F	M6	2.5mm OD	0.2N·M	3.34 kgf	7.33 Mpa	5.13 Mpa	0.7	PEEK * ETFE
1011010064	WP07B-M6K * YC-030F	M6	3.0mm OD	0.2N·M	3.84 kgf	5.31 Mpa	3.72 Mpa	0.82	PEEK * ETFE
1011010065	WP07B-M6K * YC-032F	M6	3.2mm OD	0.3N·M	4.14 kgf	7.41 Mpa	5.19 Mpa	0.72	PEEK * ETFE
<b>WF03B/WD03B</b>									
1011010068	WF03B-28K * YE-016F	1/4-28UNF	1.6mm OD	0.2N·M	1.34 kgf	10.08Mpa	7.06 Mpa	0.84	PEEK * ETFE
1011010069	WF03B-28K * YE-020F	1/4-28UNF	2.0mm OD	0.2N·M	2.65 kgf	10.47Mpa	7.33 Mpa	0.73	PEEK * ETFE
1011010055	WD03B-28K * YC-025F	1/4-28UNF	2.5mm OD	0.2N·M	3.61 kgf	5.45 Mpa	3.82 Mpa	0.77	PEEK * ETFE
1011010056	WD03B-28K * YC-030F	1/4-28UNF	3.0mm OD	0.2N·M	3.85 kgf	5.64 Mpa	3.95 Mpa	0.8	PEEK * ETFE
1011010057	WD03B-28K * YC-032F	1/4-28UNF	3.2mm OD	0.2N·M	4.43 kgf	7.62 Mpa	5.08 Mpa	0.72	PEEK * ETFE
1011010078	WF03B-M6K * YE-016F	M6	1.6mm OD	0.2N·M	2.14 kgf	8.46 Mpa	5.92 Mpa	0.75	PEEK * ETFE
1011010079	WF03B-M6K * YE-020F	M6	2.0mm OD	0.2N·M	2.21 kgf	10.21Mpa	7.15 Mpa	0.8	PEEK * ETFE
1011010058	WD03B-M6K * YC-025F	M6	2.5mm OD	0.2N·M	3.43 kgf	5.97 Mpa	4.18 Mpa	0.78	PEEK * ETFE
1011010059	WD03B-M6K * YC-030F	M6	3.0mm OD	0.2N·M	4.07 kgf	5.63 Mpa	3.94 Mpa	0.76	PEEK * ETFE
1011010060	WD03B-M6K * YC-032F	M6	3.2mm OD	0.3N·M	4.04 kgf	7.26 Mpa	5.08 Mpa	0.72	PEEK * ETFE

SKU	Model No.	Thread	Tube OD	Material (natural*natural)
<b>IO-32UNF PEEK Flangeless Fitting</b>				
1011010131	WF25E-32K+YT-016F	10/32UNF	1.6mm OD	PEEK * ETFE
1011010132	WF21C-32K+YT-016F	10/32UNF	1.6mm OD	PEEK * ETFE

\*Please refer to the notes at the bottom of page 7 for the definitions of Pull-off force, Rapture value, and Pressure rating.

PEEK Fitting

Threaded Fitting

Barb-to-Thread Adapter

Barbed Connector

Tubing

PEEK Fitting

Threaded Fitting

Barb-to-Thread Adapter

Barbed Connector

Tubing





# PEEK Flangeless Fitting —three-piece set

- ◆ Standard fittings with straight threads, which are tool-free and durable. Simply slide the nut and ferrule on the tube, screwing them into the tube. Need to use with ETFE ferrule.
- ◆ With stainless steel sleeve, the rigid pipe does not follow the rotation during screwing flangeless nut. Effective elimination of loose fittings in the tube caused by twisting, can be tighten even when vibrating.
- ◆ High pressure fittings, ideal for pre-assembled tubing and where disconnections are often required
- ◆ Long-term working temperature range -80°C~+220°C
- ◆ Used for standard rigid tubing OD 1.6/2.0/2.5/3.0/3.2mm, easy and fast installation.

◆ Thread: 1/4-28UNF, M6

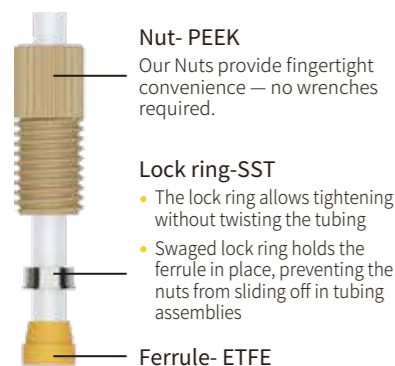
◆ REACH and RoHS Certified ,Biocompatibility reports available.

## Application Note

**Step 1.** Slide the PEEK nut, followed by the 316 SST sleeve and ETFE ferrule, at least 3/16" (4.7625mm) from the end of clean cut tubing

**Step 2.** Insert the assembly into the receiving port, pushing the tubing into the port until it bottoms out

**Step 3.** Finger tighten the fittings into the port until snug



**Nut- PEEK**  
Our Nuts provide fingertight convenience — no wrenches required.

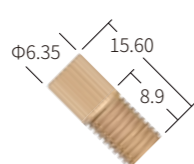
**Lock ring-SST**

- The lock ring allows tightening without twisting the tubing
- Swaged lock ring holds the ferrule in place, preventing the nuts from sliding off in tubing assemblies

**Ferrule- ETFE**

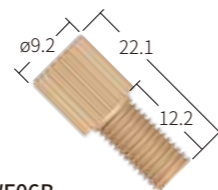
※ Make sure the locking ring is oriented correctly! The flattened end of the ring should face towards the nut with the narrow end of the ferrule towards the ring.

## Nut(mm)



**WF01B**  
For 1.6/2.0mmOD tube

**WD01B**  
For 2.5/3.0/3.2mmOD tube



**WF06B**  
For 1.6/2.0mmOD tube

**WD06B**  
For 2.5/3.0/3.2mmOD tube

## Lock Ring(mm)



**KCF-038SUS316**  
For 1.6/2.0mm OD tube



**KCF-045SUS316**  
For 2.5/3.0/3.2mm OD tube

## Ferrule(mm)



**YE-016F**  
For 1.6mm OD tube

**YE-020F**  
For 2.0mm OD tube



**YK-025F**  
For 2.5mm OD tube

**YK-030F**  
For 3.0mm OD tube

**YK-032F**  
For 3.2mm OD tube

## Related Products

▶ Please refer to page 89-90 FEP/PTFE Tube to achieve connection with rigid tube

SKU	Model (ID*OD)	Note
1005040001	TFLG00001 (0.8*1.6)	FEP transparent
1005040002	TFLG00002 (1*2)	FEP transparent
1005040003	TFLG00003 (1.5*2.5)	FEP transparent
1005040004	TFLG00004 (2*3)	FEP transparent
1005040005	TFLG00005 (2.175*3.175)	FEP transparent

▶ It is recommended to purchase the handtightening tooling. The handle is designed to be longer and larger, with a larger force area, it is easier to tighten fittings in tight spaces.



SKU	Model No.	Note
1011010101	SNGZ-2-X	Suitable for WF06B, WD06B PEEK fitting
1066080014	13*42	Strong magnetic sleeve
1011010100	SNGZ-1-X	Suitable for WF01B, WD01B PEEK fitting
1066080004	10*42	Strong magnetic sleeve
1066080003	N20LTDK	Torque detector

SKU	Model No.	Thread	Tube OD	Torque	Pull-off Strength	Rapture Pressure	Pressure Rating	Deformation Degree	Material (natural *yellow*SUS316)
<b>WF01B/WD01B</b>									
1011010009	WF01B-28K * YE-016F * KCF-038SUS316	1/4-28UNF	1.6mm OD	0.2N·M	2.17 kgf	10.08Mpa	7.06 Mpa	0.76	PEEK * ETFE * SUS316
1011010010	WF01B-28K * YE-020F * KCF-038SUS316	1/4-28UNF	2.0mm OD	0.2N·M	3.01 kgf	10.76Mpa	7.53 Mpa	0.7	PEEK * ETFE * SUS316
1011010011	WD01B-28K * YK-025F * KCF-045SUS316	1/4-28UNF	2.5mm OD	0.2N·M	3.89 kgf	6.72 Mpa	4.70 Mpa	0.91	PEEK * ETFE * SUS316
1011010012	WD01B-28K * YK-030F * KCF-045SUS316	1/4-28UNF	3.0mm OD	0.2N·M	3.89 kgf	5.85 Mpa	4.09 Mpa	0.93	PEEK * ETFE * SUS316
1011010013	WD01B-28K * YK-032F * KCF-045SUS316	1/4-28UNF	3.2mm OD	0.2N·M	5.69 kgf	6.90 Mpa	4.83 Mpa	0.79	PEEK * ETFE * SUS316
1011010070	WF01B-M6K * YE-016F * KCF-038SUS316	M6	1.6mm OD	0.2N·M	2.43 kgf	10.15Mpa	7.11 Mpa	0.788	PEEK * ETFE * SUS316
1011010071	WF01B-M6K * YE-020F * KCF-038SUS316	M6	2.0mm OD	0.2N·M	3.05 kgf	11.31Mpa	7.92 Mpa	0.67	PEEK * ETFE * SUS316
<b>WF06B/WD06B</b>									
1011010031	WF06B-28K * YE-016F * KCF-038SUS316	1/4-28UNF	1.6mm OD	0.2N·M	2.85 kgf	10.7 Mpa	7.49 Mpa	0.788	PEEK * ETFE * SUS316
1011010032	WF06B-28K * YE-020F * KCF-038SUS316	1/4-28UNF	2.0mm OD	0.2N·M	2.74 kgf	9.04 Mpa	6.33 Mpa	0.73	PEEK * ETFE * SUS316
1011010033	WD06B-28K * YK-025F * KCF-045SUS316	1/4-28UNF	2.5mm OD	0.2N·M	2.78 kgf	7.07 Mpa	4.95 Mpa	0.77	PEEK * ETFE * SUS316
1011010034	WD06B-28K * YK-030F * KCF-045SUS316	1/4-28UNF	3.0mm OD	0.2N·M	3.99 kgf	5.25 Mpa	3.68 Mpa	0.81	PEEK * ETFE * SUS316
1011010035	WD06B-28K * YK-032F * KCF-045SUS316	1/4-28UNF	3.2mm OD	0.2N·M	5.69 kgf	7.22 Mpa	5.05 Mpa	0.769	PEEK * ETFE * SUS316
1011010072	WF06B-M6K * YE-016F * KCF-038SUS316	M6	1.6mm OD	0.2N·M	2.86 kgf	10.32Mpa	7.22 Mpa	0.75	PEEK * ETFE * SUS316
1011010073	WF06B-M6K * YE-020F * KCF-038SUS316	M6	2.0mm OD	0.2N·M	3.05 kgf	10.85Mpa	7.60 Mpa	0.72	PEEK * ETFE * SUS316

\*Please refer to the notes at the bottom of page 7 for the definitions of Pull-off force, Rapture value, and Pressure rating.



## Ultra Mini PEEK Flanged Fittings — two-piece set

- ◆ A traditional flat-bottomed fitting. By deforming the bottom of the tube, the bottom of the tube then compressed to form an airtight rigid tube connection system.
- ◆ No change in tube diameter, no effect on flow rate, more stable flow rate
- ◆ Can be disassembled repeatedly without affecting its sealing
- ◆ Long-term working temperature range -80°C~+220°C
- ◆ Used for standard rigid tubing OD 1.6mm, easy and fast installation.
- ◆ Thread: 6-40UNF

◆ REACH and RoHS Certified ,Biocompatibility reports available.

### Related Products

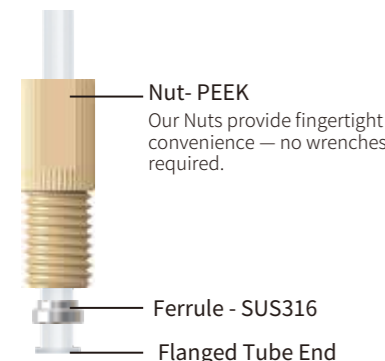
▶ Please refer to page 89-90 FEP/PTFE Tube to achieve connection with rigid tube

SKU	Model (ID*OD)	Note
1005040001	TFLG00001 (0.8*1.6)	FEP Transparent

▶ It is recommended to purchase the handtighten tooling .The handle is designed to be longer and larger. with a larger force area, it is easier to tighten fittings in tight spaces.



SKU	Model No.	Note
1011010103	SNGZ-5-X	Suitable for WF10C-40K flangeless fittings
1066080004	10*42	Strong magnetic sleeve
1066080003	N20LTDK	Torque detector

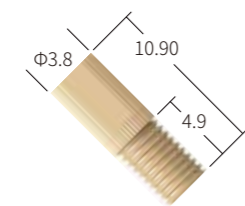


※ Make sure the ferrule is oriented correctly! The narrow end of the ferrule should towards the nut.

※ Flange the tubing with exclusive flange tools, flanged Tube End ≤ Φ2.5mm

※ Tube flanging service is available

### Flangeless Nut (mm)



**WF10C-40K**  
For 1.60D tube

### Ferrule(mm)



**KCF-016-SUS316**  
For 1.6mm OD tube

### Application Note

- Step 1.** Flange the tubing with exclusive flange tools, tubing can be flanged one end or both two ends, depending on specific application requirements
- Step 2.** When tubing flanged in two ends, 2 pieces clips and 2 pieces nuts need to be slid into the tubing before both ends flanged; when tubing flanged in one end, 1 piece clip and 1 piece nut can be slid into tubing before or after the one end flanged.
- Step 3.** Insert the assembly into the receiving port, pushing the tubing into the port until it bottoms out
- Step 4.** Finger tighten the fittings into the port until snug
- Step 5.** After several uses (especially at high pressure) the flanged tube should be replace

- PEEK Flanged Fitting Two-piece set
- PEEK Flangeless Fitting Two-piece set
- PEEK Flangeless Fitting Three-piece set
- Ultra Mini PEEK Flanged Fittings - two-piece set
- Ultra Mini PEEK Flangeless Fittings - three-piece set
- PEEK Big Bore Flangeless Fitting - two-piece set
- PEEK Pre-torque Flangeless Fitting - three-piece set
- PEEK Pre-torque Flangeless Fitting - two-piece set
- PEEK One-piece Hand Tightening Fitting
- PEEK Two-piece Hand Tightening Fitting
- PEEK Handtighten Fitting
- PEEK colorful flangeless fitting
- PEEK Coned Plug
- PEEK Female Thread Straight Adapter
- PEEK Female Thread Elbow Adapter
- PEEK Female Thread T Adapter
- PEEK Female Thread Y Adapter
- PEEK Female Thread Cross Adapter
- PEEK Female Thread Luer Adapter
- PEEK Female Thread Bulkhead Union
- PEEK Female Thread Fitting
- PEEK Adapter

SKU	Model No.	Thread	Tube OD	Torque	Pull-off Strength	Rapture pressure	Pressure Rating	Material
WF10C								
1011140023	WF10C-40K * KCF-016SUS316	6-40UNF	1.6mm OD	0.2N·M	1.70 kgf	9.05 Mpa	6.34 Mpa	PEEK natural * SUS316

\*Please refer to the notes at the bottom of page 7 for the definitions of Pull-off force, Rapture value, and Pressure rating.



## Ultra Mini PEEK Flangeless Fitting — three-piece set

- ◆ Standard fittings with straight threads, which are tool-free and durable. Simply slide the nut and ferrule on the tube, screwing them into the tube. Need to use with PEEK ferrule.
- ◆ With stainless steel sleeve, the rigid pipe does not follow the rotation during screwing flangeless nut. Effective elimination of loose fittings in the tube caused by twisting, can be tighten even when vibrating.
- ◆ High pressure fittings, ideal for pre-assembled tubing and where disconnections are often required
- ◆ Long-term working temperature range -80°C~+220°C
- ◆ Used for standard rigid tubing OD 1.6mm, easy and fast installation.
- ◆ Thread: 6-40UNF

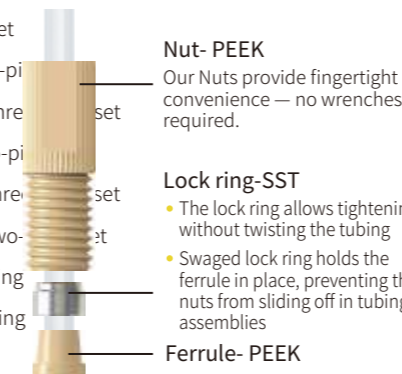
◆ REACH and RoHS Certified ,Biocompatibility reports available.

### Application Note

**Step 1.** Slide the PEEK nut, followed by the 316 SST sleeve and ETFE ferrule, at least 3/16" (4.7625mm) from the end of clean cut tubing

**Step 2.** Insert the assembly into the receiving port, pushing the tubing into the port until it bottoms out

**Step 3.** Finger tighten the fittings into the port until snug



※ Make sure the locking ring is oriented correctly! The flattened end of the ring should face towards the nut with the narrow end of the ferrule towards the ring.

### Related Products

▶ Please refer to page 89-90 FEP/PTFE Tube to achieve connection with rigid tube

SKU	Model (ID*OD)	Note
1005040001	TFLG00001 (0.8*1.6)	FEP Transparent

▶ It is recommended to purchase the handtighten tooling .The handle is designed to be longer and larger. with a larger force area, it is easier to tighten fittings in tight spaces.

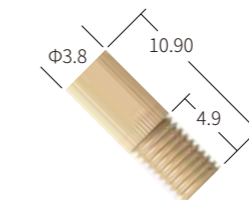


SKU	Model No.	Note
1011010103	SNGZ-5-X	Suitable for WF10C-40K flangeless fittings
1066080004	10*42	Strong magnetic sleeve
1066080003	N20LTDK	Torque detector

SKU	Model No.	Thread	Tube OD	Torque	Pull-off Strength	Rapture pressure	Pressure Rating	Deformation Degree	Material
WF10C									
1011010091	WF10C-40K * YES-016K * KCF-023SUS316	6-40UNF	1.6mm OD	0.2N·M	2.75kgf	7.70 Mpa	4.79 Mpa	0.65	PEEK natural*PEEK natural*SUS316

\*Please refer to the notes at the bottom of page 7 for the definitions of Pull-off force, Rapture value, and Pressure rating.

### Nut(mm)



**WF10C-40K**  
For 1.60D tube

### Lock Ring(mm)



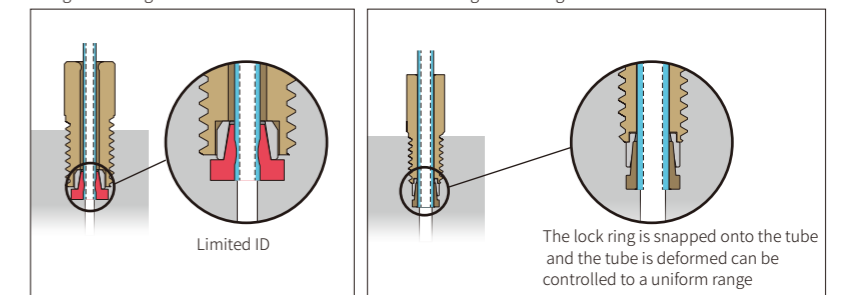
**KCF-023-SUS316**  
For 1.6mm OD tube

### Ferrule(mm)



**YES-016K**  
For 1.6mm OD tube

Fig.1: Flangeless fitting-Inner diameter deformation Fig.2: Ultra Mini Flangeless Fittings- No deformation of the inner diameter



\*Please refer to the notes at the bottom of page 7 for the definitions of Pull-off force, Rapture value, and Pressure rating.

\*Please refer to the notes at the bottom of page 7 for the definitions of Pull-off force, Rapture value, and Pressure rating.





## PEEK Big Bore Flangeless Fitting — two-piece set

- ◆ Standard fittings with straight threads, which are tool-free and durable. Simply slip the nut and ferrule on the tube, screwing them into the tube. Need to use with ETFE ferrule.
- ◆ CUT (Continuous Use Temperature): -80°C~+220°C.
- ◆ Used for standard rigid tubing OD 4.8/6.4 mm, easy and fast installation.
- ◆ Thread: 5/16-24UNF、 1/2-20UNF.
- ◆ REACH and RoHS Certified ,Biocompatibility reports available.

### Application Note

**Step 1.** Slide the PEEK nut, followed by the ETFE ferrule, at least 3/16"(4.7625mm) from the end of clean cut tubing

**Step 2.** Insert the assembly into the receiving port, pushing the tubing into the port until it bottoms out

**Step 3.** Finger tighten the fittings into the port until snug

**Step 4.** After several uses (especially at high pressure) the ferrules should be replaced



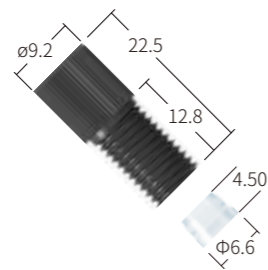
※ Make sure the ferrule is oriented correctly! The narrow end of the ferrule should towards the nut.

### Related Products

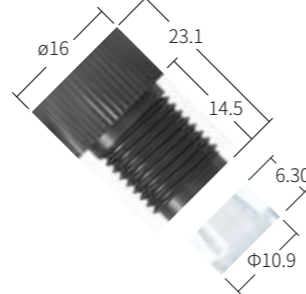
► It is recommended to purchase the handtighten tooling. The handle is designed to be longer and larger, with a larger force area, it is easier to tighten fittings in tight spaces.



SKU	Model No.	Note
1011010101	SNGZ-2-X	Suitable for WD06B-24K black flangeless fittings
1066080014	13*42	Strong magnetic sleeve
1011010104	SNGZ-6-X	Suitable for WD06B-20K black flangeless fittings
1066080015	19*65	Strong magnetic sleeve
1066080003	N20LTDK	Torque detector



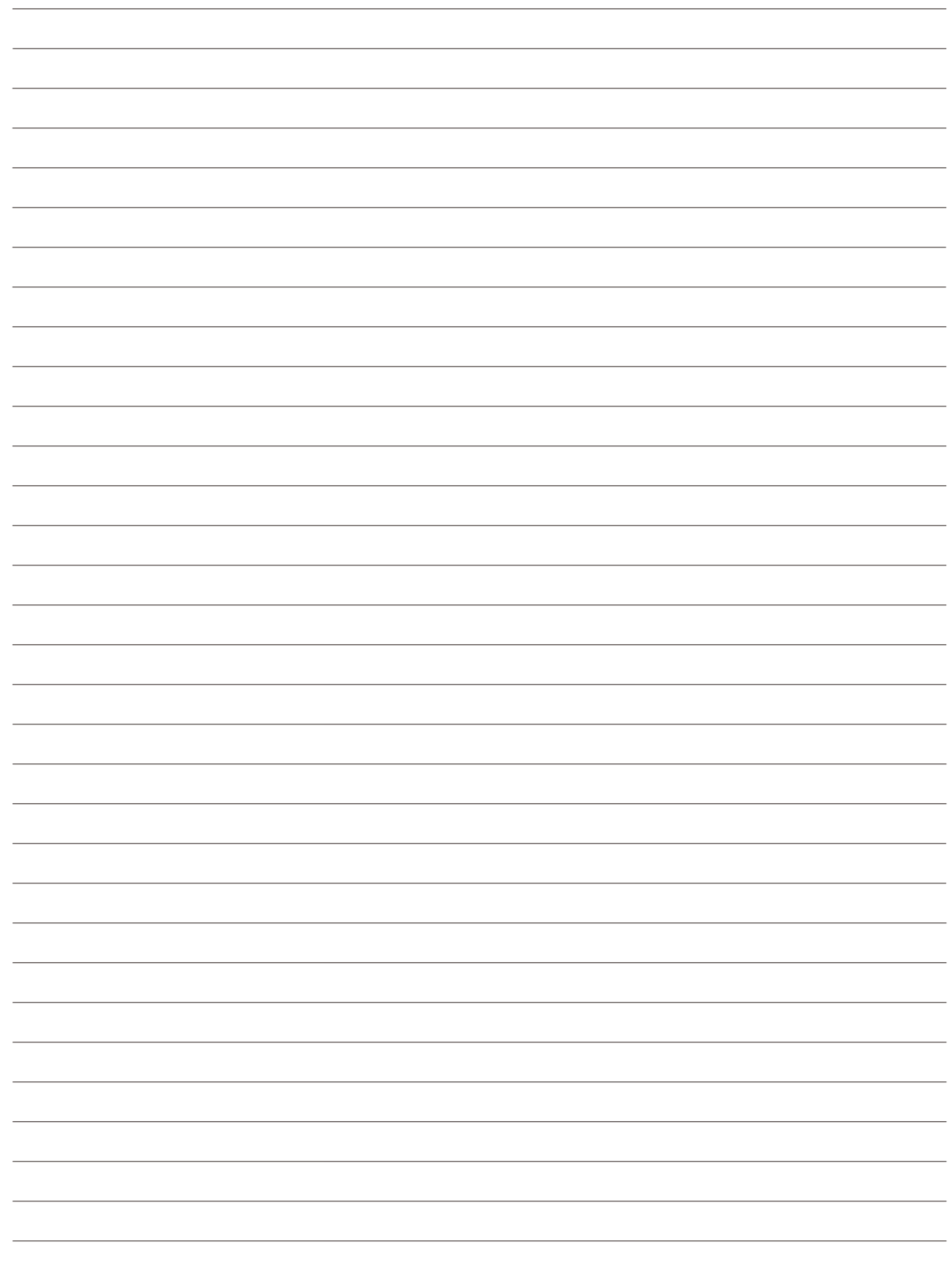
**WD06B-5/16-24-K-black**  
PEEK Flangeless Nut  
**YK-048-F**  
ETFE Ferrule  
For 4.8mm O tube



**WD06B-1/2-20-K-black**  
PEEK Flangeless Nut  
**YK-064-F**  
ETFE Ferrule  
For 6.4mm OD tube

SKU	Model No.	Thread	Tube OD	Torque	Pull-off Strength	Rapture pressure	Pressure Rating	Deformation Degree	Material (black* natural)
PEEK Big Bore Flangeless Fitting									
1011010093	WD06B-24K-black * YK-048F	5/16-24UNF	4.8mm OD	0.5N·M	9.15 kgf	5.61 Mpa	3.93 Mpa	0.836	PEEK * ETFE
1011010094	WD06B-20K-black * YK-064F	1/2-20UNF	6.4mm OD	0.8N·M	11.07 kgf	5.36 Mpa	3.75 Mpa	0.93	PEEK * ETFE

\*Please refer to the notes at the bottom of page 7 for the definitions of Pull-off force, Rapture value, and Pressure rating.



## PEEK Pre-torque Flangeless Fitting — three-piece-set



- ◆ The preset torque of fittings is to effectively prevent the leakage of liquid caused by improper screwing of fittings or the dislodgement of tubes with too much torque.
- ◆ With stainless steel sleeve, the rigid pipe does not follow the rotation during screwing flangeless nut. Effective elimination of loose fittings in the tube caused by twisting, can be tighten even when vibrating.
- ◆ Long-term working temperature range -100°C~+250°C
- ◆ Used for standard rigid tubing OD 1.6/2.0/2.5/3.0/3.2mm, easy and fast installation.
- ◆ Thread: 1/4-28UNF

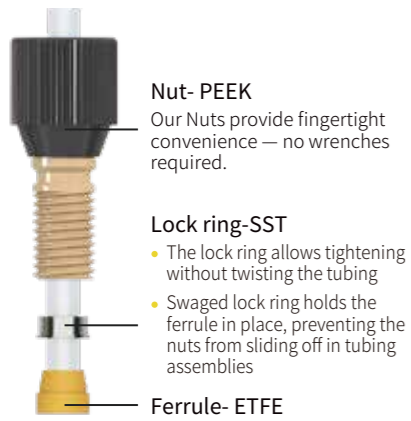
◆ REACH and RoHS Certified ,Biocompatibility reports available.

### Application Note

**Step 1.** Slide the PEEK nut, followed by the 316 SST sleeve and ETFE ferrule, at least 3/16" (4.7625mm) from the end of clean cut tubing

**Step 2.** Insert the assembly into the receiving port, pushing the tubing into the port until it bottoms out

**Step 3.** Finger tighten the fittings into the port until snug



**Nut- PEEK**  
Our Nuts provide fingertight convenience — no wrenches required.

**Lock ring-SS2**

- The lock ring allows tightening without twisting the tubing
- Swaged lock ring holds the ferrule in place, preventing the nuts from sliding off in tubing assemblies

**Ferrule- ETFE**

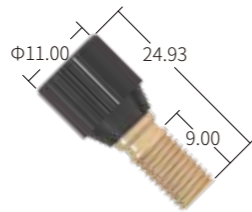
※ Make sure the locking ring is oriented correctly! The flattened end of the ring should face towards the nut with the narrow end of the ferrule towards the ring.

### Related Products

▶ Please refer to page 89-90 FEP/PTFE Tube to achieve connection with rigid tube

SKU	Model (ID*OD)	Note
1005040001	TFLG00001 (0.8*1.6)	FEP transparent
1005040002	TFLG00002 (1*2)	FEP transparent
1005040003	TFLG00003 (1.5*2.5)	FEP transparent
1005040004	TFLG00004 (2*3)	FEP transparent
1005040005	TFLG00005 (2.175*3.175)	FEP transparent

### Nut(mm)



**YWF06B-28K-K(deep dark)**  
For 1.6/2.0mm OD tube

**YWD06B-28K-K(deep dark)**  
For 2.5/3.0/3.2mm OD tube

### Lock Ring(mm)



**KCF-038SUS316**  
For 1.6/2.0mm OD tube

### Ferrule(mm)



**YE-016-F**  
For 1.6mm OD tube

**YE-020-F**  
For 2.0mm OD tube



**KCF-045SUS316**  
For 2.5/3.0/3.2mm OD tube



**YK-025F**  
For 2.5mm OD tube

**YK-030F**  
For 3.0mm OD tube

**YK-032F**  
For 3.2mm OD tube

SKU	Model No.	Thread	Tube OD	Material
<b>YWF06EL/YWD06EL</b>				
1011010110	YWF06B-28K-K(deep dark) * YE-016F * KCF-038SUS316	1/4-28UNF	1.6mm OD	PEEK natural * ETFE yellow* SUS316
1011010109	YWF06B-28K-K(deep dark) * YE-020F * KCF-038SUS316	1/4-28UNF	2.0mm OD	PEEK natural * ETFE yellow* SUS316
1011010108	YWD06B-28K-K(deep dark) * YK-025F * KCF-045SUS316	1/4-28UNF	2.5mm OD	PEEK natural * ETFE yellow* SUS316
1011010107	YWD06B-28K-K(deep dark) * YK-030F * KCF-045SUS316	1/4-28UNF	3.0mm OD	PEEK natural * ETFE yellow* SUS316
1011010106	YWD06B-28K-K(deep dark) * YK-032F * KCF-045SUS316	1/4-28UNF	3.2mm OD	PEEK natural * ETFE yellow* SUS316



## PEEK Pre-torque Flangeless Fitting — two-piece-set

- ◆ The preset torque of fittings is to effectively prevent the leakage of liquid caused by improper screwing of fittings or the dislodgement of tubes with too much torque.
- ◆ Long-term working temperature range -100°C~+250°C
- ◆ Used for standard rigid tubing OD 1.6/2.0/2.5/3.0/3.2mm, easy and fast installation.
- ◆ Thread: 1/4-28UNF

◆ REACH and RoHS Certified ,Biocompatibility reports available.

### Application Note

**Step 1.** Slide the PEEK nut, followed by the ETFE ferrule, at least 3/16" (4.7625mm) from the end of clean cut tubing

**Step 2.** Insert the assembly into the receiving port, pushing the tubing into the port until it bottoms out

**Step 3.** Finger tighten the fittings into the port until snug

**Step 4.** After several uses (especially at high pressure) the ferrules should be replaced



**Nut- PEEK**  
Our Nuts provide fingertight convenience — no wrenches required.

**Ferrule- ETFE**

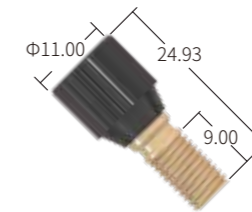
### Related Products

▶ Please refer to page 89-90 FEP/PTFE Tube to achieve connection with rigid tube

SKU	Model (ID*OD)	Note
1005040001	TFLG00001 (0.8*1.6)	FEP transparent
1005040002	TFLG00002 (1*2)	FEP transparent
1005040003	TFLG00003 (1.5*2.5)	FEP transparent
1005040004	TFLG00004 (2*3)	FEP transparent
1005040005	TFLG00005 (2.175*3.175)	FEP transparent

SKU	Model No.	Thread	Tube OD	Material
<b>YWF06EL/YWD06EL</b>				
1011010115	YWF16EL-28K-K(deep dark) * YF-016F	1/4-28UNF	1.6mm OD	PEEK natural * ETFE natural
1011010114	YWF06EL-28K-K(deep dark) * YF-020F	1/4-28UNF	2.0mm OD	PEEK natural * ETFE natural
1011010113	YWD16EL-28K-K(deep dark) * YD-025F	1/4-28UNF	2.5mm OD	PEEK natural * ETFE natural
1011010112	YWD36EL-28K-K(deep dark) * YD-030F	1/4-28UNF	3.0mm OD	PEEK natural * ETFE natural
1011010111	YWD06EL-28K-K(deep dark) * YD-032F	1/4-28UNF	3.2mm OD	PEEK natural * ETFE natural

### Nut(mm)



**YWF16EL-28K-K(deep dark)**

For 1.6mm OD tube

**YWF06EL-28K-K(deep dark)**

For 2.0mm OD tube

**YWD16EL-28K-K(deep dark)**

For 2.5mm OD tube

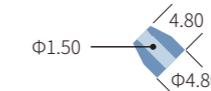
**YWD36EL-28K-K(deep dark)**

For 3.0mm OD tube

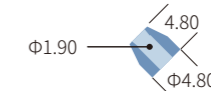
**YWD06EL-28K-K(deep dark)**

For 3.2mm OD tube

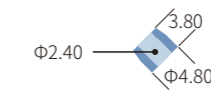
### Ferrule(mm)



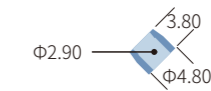
**YF-016**  
For 1.6mm OD tube



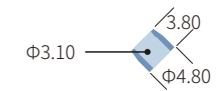
**YF-020**  
For 2.0mm OD tube



**YD-025**  
For 2.5mm OD tube



**YD-030**  
For 3.0mm OD tube



**YD-032**  
For 3.2mm OD tube

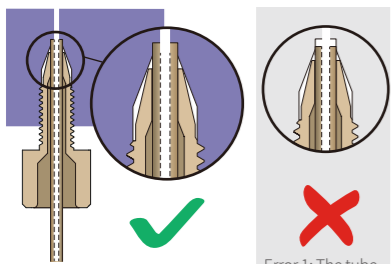
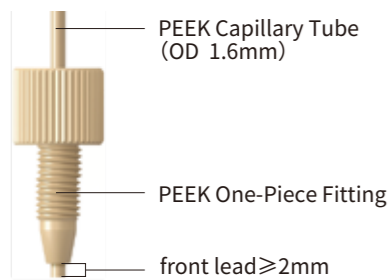


## PEEK One-piece Hand Tightening Fitting



- ◆ Continuous operating temperature: -100°C~+250°C
- ◆ Original one-piece hand tightening fittings
- ◆ 10-32 threaded coned head for HPLC system application
- ◆ Suitable for 1.6 mm OD PEEK/PTFE/ETFE/FEP and other semi-rigid tubes
- ◆ REACH and RoHS Certified ,Biocompatibility reports available.

### Application Note



Note: Make sure the tube is properly installed to the bottom of the port, introducing dead volume

### Related Products

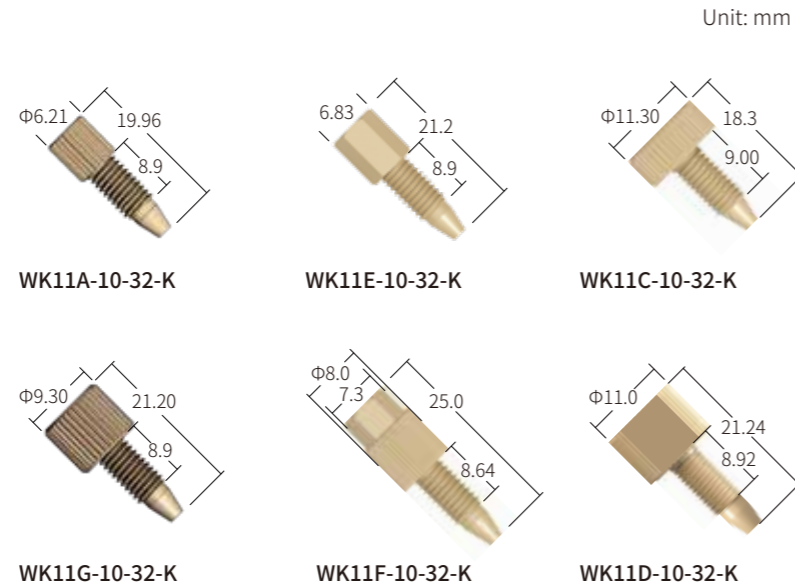
It is recommended to purchase the handtighten tooling .The handle is designed to be longer and larger. with a larger force area, it is easier to tighten fittings in tight spaces.



SKU	Model No.	Note
1011010061	SNGZ-1	Suitable for WK11E-10-32-K PEEK one-piece fitting
1011010081	SNGZ-4	Suitable for WF09B/WP08B WK11A PEEK fitting

SKU	Model No.	Thread	Tube OD	Torque	Pull-off Strength	Rapture pressure	Pressure Rating	Deformation Degree	Material
1011010005	WK11A-10-32-K	10-32UNF Coned	1.6mm OD	0.3N·M	10.52 kgf	—	17.75 Mpa	0.84	PEEK natural
1011010006	WK11E-10-32-K	10-32UNF Coned	1.6mm OD	0.3N·M	10.17 kgf	—	17.75 Mpa	0.84	PEEK natural
1011010007	WK11C-10-32-K	10-32UNF Coned	1.6mm OD	0.3N·M	10.34 kgf	15.45Mpa	15.45 Mpa	0.84	PEEK natural
1011010008	WK11G-10-32-K	10-32UNF Coned	1.6mm OD	0.3N·M	10.12 kgf	17.15Mpa	17.15 Mpa	—	PEEK natural
1011010125	WK11F-10-32-K	10-32UNF Coned	1.6mm OD	—	—	—	—	—	PEEK natural
1011010137	WK11D-10-32-K	10-32UNF Coned	1.6mm OD	—	—	—	—	—	PEEK natural

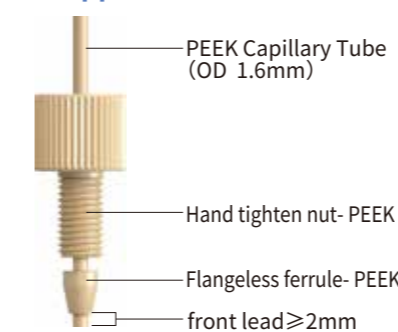
\*Please refer to the notes at the bottom of page 7 for the definitions of Pull-off force, Rapture value, and Pressure rating.



## PEEK Two-piece Hand Tightening Fitting

- ◆ Two-piece design, economical and practical, only need to replace the flangeless nut
- ◆ Continuous operating temperature: -100°C~+250°C
- ◆ 10-32UNF threaded coned head for HPLC system application
- ◆ Suitable for 1.6 mm OD PEEK/PTFE/ETFE/FEP and other semi-rigid tubes
- ◆ REACH and RoHS Certified ,Biocompatibility reports available.

### Application Note



Other installation considerations are the same as for PEEK one-piece fittings

### Related Products

Please refer to page 91 for PEEK capillary tubing that fits these fittings

SKU	Model (ID*OD)	Note
1005050007	0.1*1.6	PEEK natural
1005050006	0.13*1.6	PEEK natural
1005050013	0.18*1.6	PEEK natural
1005050005	0.25*1.6	PEEK natural
1005050004	0.38*1.6	PEEK natural
1005050003	0.5*1.6	PEEK natural
1005050002	0.75*1.6	PEEK natural
1005050001	1*1.6	PEEK natural

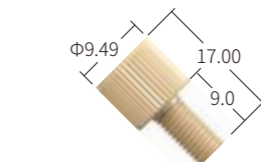
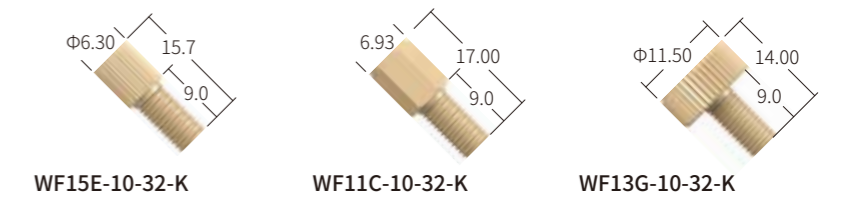
It is recommended to purchase the handtighten tooling .The handle is designed to be longer and larger. with a larger force area, it is easier to tighten fittings in tight spaces.

SKU	Model No.	Note
1011010100	SNGZ-1-X	Suitable for WF15E fittings
1066080004	10*42	Strong magnetic sleeve
1011010126	SNGZ-8-X	Suitable for WF13G fittings
1066080014	13*42	Strong magnetic sleeve
1066080003	N20LTDK	Torque detector

SKU	Model No.	Thread	Tube OD	Torque	Pull-off S strength	Rapture pressure	Pressure Rating	Deformation Degree	Material
1011010082	WF15E-32K * YC-016K	10-32UNF Coned	1.6mm OD	0.3N·M	11.26 kgf	—	15.38 Mpa	0.84	PEEK natural
1011010084	WF11C-32K * YC-016K	10-32UNF Coned	1.6mm OD	0.3N·M	11.54 kgf	—	15.38 Mpa	0.84	PEEK natural
1011010086	WF13G-32K * YC-016K	10-32UNF Coned	1.6mm OD	0.3N·M	11.76 kgf	17.95Mpa	17.95 Mpa	0.84	PEEK natural
1011010088	WF11A-32K * YC-016K	10-32UNF Coned	1.6mm OD	0.3N·M	11.74 kgf	15.11 Mpa	15.11 Mpa	0.84	PEEK natural
1011010139	WF11B-32K * YR-016K	10-32UNF Coned	1.6mm OD	—	—	—	—	—	PEEK natural

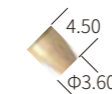
\*Please refer to the notes at the bottom of page 7 for the definitions of Pull-off force, Rapture value, and Pressure rating.

### Hand tighten nut(mm)



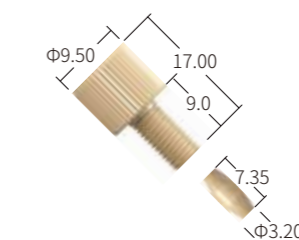
WF11A-10-32-K

### Flangeless ferrule(mm)



YC-016-K

### Two-piece(mm)



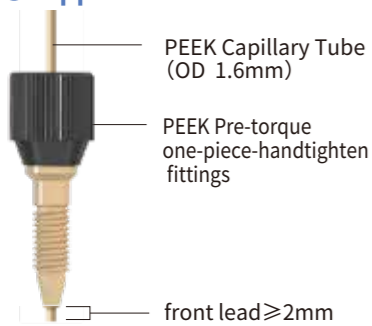
WF11B-32K+YR-016K

## PEEK Handtighten Fitting



- ◆ Original one-piece hand tightening fittings
- ◆ The preset torque of fittings is to effectively prevent the leakage of liquid caused by improper screwing of fittings or the dislodgement of tubes with too much torque.
- ◆ Continuous operating temperature: -100°C~+250°C
- ◆ 10-32 threaded coned head for HPLC system application
- ◆ Suitable for 1.6 mm OD PEEK/PTFE/ETFE/FEP and other semi-rigid tubes
- ◆ REACH and RoHS Certified ,Biocompatibility reports available.

### Application Note



※ Other installation considerations are the same as for PEEK one-piece fittings

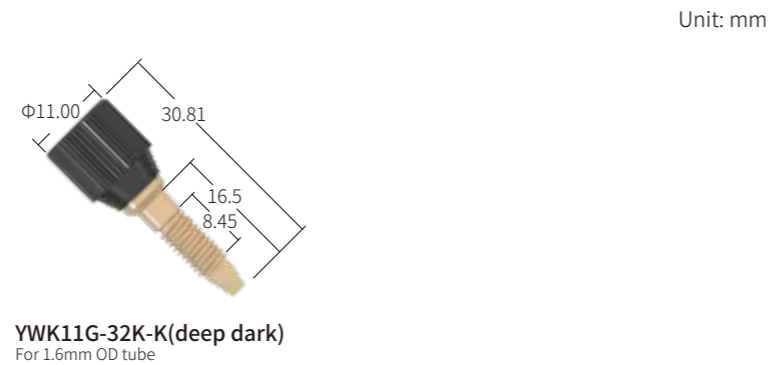
※ Manually or handtighten tooling to tighten the fitting until a "click" sound is heard, indicating that the preset torque has been reached and the sealing effect is optimal.

### Related Products

▶ Please refer to page 91 for PEEK capillary tubing that fits these fittings

SKU	Model (ID*OD)	Note
1005050007	0.1*1.6	PEEK natural
1005050006	0.13*1.6	PEEK natural
1005050013	0.18*1.6	PEEK natural
1005050005	0.25*1.6	PEEK natural
1005050004	0.38*1.6	PEEK natural
1005050003	0.5*1.6	PEEK natural
1005050002	0.75*1.6	PEEK natural
1005050001	1*1.6	PEEK natural

SKU	Model No.	Thread	Tube OD	Material
1011010116	YWK11G-32K-K(deep dark)	10-32UNF	1.6mm OD	PEEK natural*PEEK black



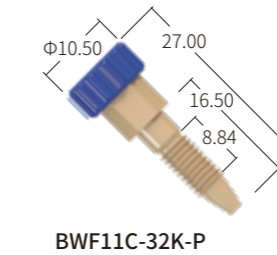
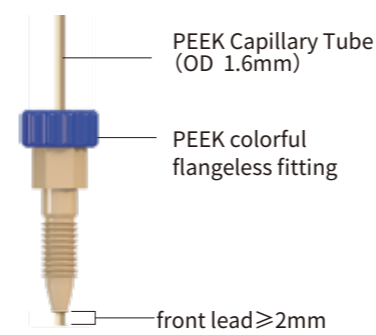
## PEEK colorful flangeless fitting



- ◆ Different fitting colors for easy differentiation of flow paths
- ◆ 10-32 threaded coned head for HPLC system application
- ◆ Suitable for 1.6 mm OD PEEK/PTFE/ETFE/FEP and other semi-rigid tubes
- ◆ REACH and RoHS Certified ,Biocompatibility reports available.

Unit: mm

### Application Note



### Related Products

▶ Please refer to page 91 for PEEK capillary tubing that fits these fittings

SKU	Model (ID*OD)	Note
1005050007	0.1*1.6	PEEK natural
1005050006	0.13*1.6	PEEK natural
1005050013	0.18*1.6	PEEK natural
1005050005	0.25*1.6	PEEK natural
1005050004	0.38*1.6	PEEK natural
1005050003	0.5*1.6	PEEK natural
1005050002	0.75*1.6	PEEK natural
1005050001	1*1.6	PEEK natural

SKU	Model No.	Thread	Tube OD	Torque	Rapture pressure	Pressure Rating	Deformation Degree	Material
PEEK colorful flangeless fitting								
1011010117	BWF11C-32K - P - red	10-32UNF	1.6mm OD	0.45N·M	10.44kgf	23.17Mpa	0.84	PEEK natural*PP red
1011010118	BWF11C-32K - P - deep purple	10-32UNF	1.6mm OD	0.45N·M	10.44kgf	23.17Mpa	0.84	PEEK natural*PP deep purple
1011010119	BWF11C-32K - P - dark blue	10-32UNF	1.6mm OD	0.45N·M	10.44kgf	23.17Mpa	0.84	PEEK natural*PP dark blue
1011010120	BWF11C-32K - P - beige blue	10-32UNF	1.6mm OD	0.45N·M	10.44kgf	23.17Mpa	0.84	PEEK natural*PP beige blue
1011010121	BWF11C-32K - P - grass green	10-32UNF	1.6mm OD	0.45N·M	10.44kgf	23.17Mpa	0.84	PEEK natural*PP grass green
1011010122	BWF11C-32K - P - lemon yellow	10-32UNF	1.6mm OD	0.45N·M	10.44kgf	23.17Mpa	0.84	PEEK natural*PP lemon yellow
1011010123	BWF11C-32K - P - deep dark	10-32UNF	1.6mm OD	0.45N·M	10.44kgf	23.17Mpa	0.84	PEEK natural*PP deep dark
1011010124	BWF11C-32K - P - dark brown	10-32UNF	1.6mm OD	0.45N·M	10.44kgf	23.17Mpa	0.84	PEEK natural*PP dark brown



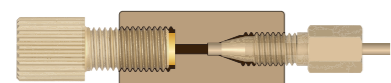




## PEEK Female Thread Straight Adapter

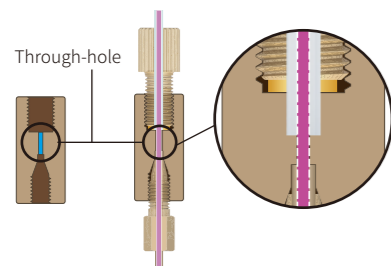
- ◆ Connecting fittings with the same or different threads together with rigid tube connection system, connection without leakage can be achieved
- ◆ Long-term working temperature range -100°C~+250°C
- ◆ Suitable for standard 10-32UNF conical fittings or 1/4-28UNF flat bottom threaded fittings
- ◆ REACH and RoHS Certified ,Biocompatibility reports available.

### ★ Application Note



※ 8mm 1/4-28UNF female thread  
6.5mm 10-32UNF female thread

※ No dead volume docking can be achieved when the diameter of the flow path is the same as the inner diameter of the tube

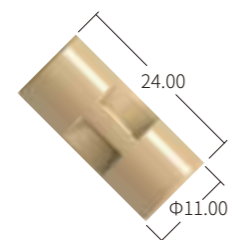


※ The wetted liquid volume is shown in the figure for the volume of the threaded port connection channel

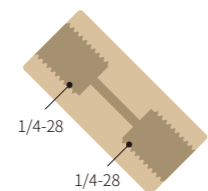
### 🔗 Related Products

▶ Please refer to this table for matching PEEK fittings and tubes

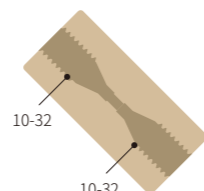
	thread	Page
PEEK flanged fittings- two pieces	1/4-28UNF	09
PEEK flangeless fittings- two pieces	1/4-28UNF	11
PEEK flangeless fittings- three pieces	1/4-28UNF	13
PEEK one-piece hand tightening fittings	10-32UNF	21
PEEK hand tightening fittings - two pieces	10-32UNF	22
PEEK capillary tube		91
FEP tube		89
PTFE tube		90



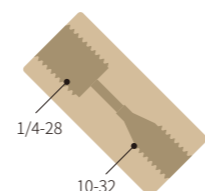
Unit: mm



NF08-28-K



NF08-32-K



NF08-T28&B32-K

SKU	Model No	Thread	Flow Passage Diameter	Wetted liquid volume	Pull-off Strength	Rapture pressure	Pressure Rating	Material
<b>NF08-28-K</b>								
101110001	NF08-28-K(0.8)	1/4-28UNF	0.8 mm	4.02 mm <sup>3</sup>	1.75 kgf	5.46 Mpa	3.80 Mpa	PEEK natural
101110002	NF08-28-K(1.25)	1/4-28UNF	1.25 mm	9.82 mm <sup>3</sup>	1.79 kgf	5.41 Mpa	3.62 Mpa	PEEK natural
101110003	NF08-28-K(2.0)	1/4-28UNF	2.0 mm	25.13 mm <sup>3</sup>	1.97 kgf	5.46 Mpa	3.49 Mpa	PEEK natural
<b>NF08-32-K</b>								
101110004	NF08-32-K(0.8)	10-32UNF	0.8 mm	0.94 mm <sup>3</sup>	5.49 kgf	12.11 Mpa	8.50 Mpa	PEEK natural
101110005	NF08-32-K(1.25)	10-32UNF	1.25 mm	2.30 mm <sup>3</sup>	5.29 kgf	11.47 Mpa	8.00 Mpa	PEEK natural
<b>NF08-T28&amp;B32-K</b>								
101110001	NF08-T28&B32-K(0.8)	1/4-28UNF & 10-32UNF	0.8 mm	2.50 mm <sup>3</sup>	1.86 kgf	5.67 Mpa	3.66 Mpa	PEEK natural
101110002	NF08-T28&B32-K(1.25)	1/4-28UNF & 10-32UNF	1.25 mm	6.10 mm <sup>3</sup>	1.79 kgf	5.54 Mpa	3.90 Mpa	PEEK natural

Note: If you need specific model other than above specification, please contact us for customization.

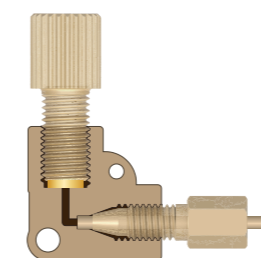


## PEEK Female Thread Elbow Adapter

- ◆ Connecting fittings with the same or different threads together with rigid tube connection system, connection without leakage can be achieved
- ◆ Long-term working temperature range -100°C~+250°C
- ◆ Suitable for standard 10-32UNF conical fittings or 1/4-28UNF flat bottom threaded fittings
- ◆ REACH and RoHS Certified ,Biocompatibility reports available.

### ★ Application Note

※ 8mm 1/4-28UNF female thread  
6.5mm 10-32UNF female thread



### 🔗 Related Products

▶ Please refer to this table for matching PEEK fittings and tubes

	thread	Page
PEEK flanged fittings- two pieces	1/4-28UNF	09
PEEK flangeless fittings- two pieces	1/4-28UNF	11
PEEK flangeless fittings- three pieces	1/4-28UNF	13
PEEK one-piece hand tightening fittings	10-32UNF	21
PEEK hand tightening fittings - two pieces	10-32UNF	22
PEEK capillary tube		91
FEP tube		89
PTFE tube		90

SKU	Model No	Thread	Flow Passage Diameter	Wetted liquid volume	Material
<b>NL05-28-K</b>					
1011060001	NL05-28-K(0.8)	1/4-28UNF	0.8 mm	4.76 mm <sup>3</sup>	PEEK natural
1011060002	NL05-28-K(1.25)	1/4-28UNF	1.25 mm	11.77 mm <sup>3</sup>	PEEK natural
1011060003	NL05-28-K(2.0)	1/4-28UNF	2.0 mm	29.56 mm <sup>3</sup>	PEEK natural
<b>NL05-32-K</b>					
1011060004	NL05-32-K(0.8)	10-32UNF	0.8 mm	1.68 mm <sup>3</sup>	PEEK natural
1011060005	NL05-32-K(1.25)	10-32UNF	1.25 mm	4.14 mm <sup>3</sup>	PEEK natural
<b>NL05-T28&amp;B32-K</b>					
1011060006	NL05-T28&B32-K(0.8)	1/4-28UNF & 10-32UNF	0.8 mm	3.22 mm <sup>3</sup>	PEEK natural
1011060007	NL05-T28&B32-K(1.25)	1/4-28UNF & 10-32UNF	1.25 mm	7.96 mm <sup>3</sup>	PEEK natural

Note: If you need specific model other than above specification, please contact us for customization.

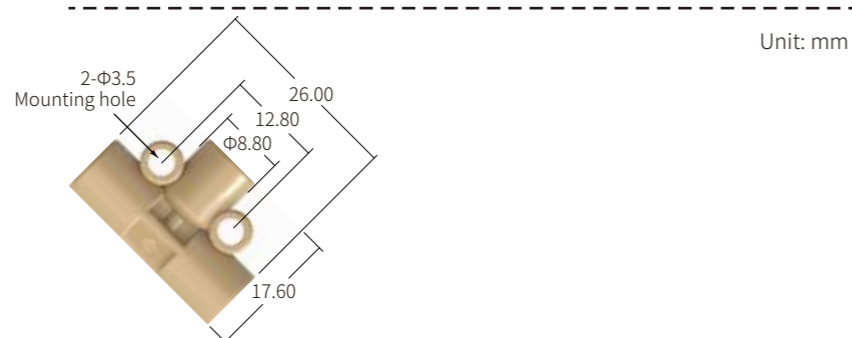
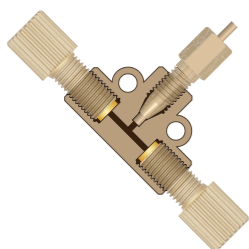
## PEEK Female Thread T Adapter



- ◆ Designed to divide or gather two fluids together; ideal for pre-assembled tubing
- ◆ Effective elimination of loose fittings in the tube caused by twisting, can be tighten even when vibrating.
- ◆ Long-term working temperature range -100°C~+250°C
- ◆ Suitable for standard 10-32UNF conical fittings or 1/4-28UNF flat bottom threaded fittings
- ◆ **REACH and RoHS Certified ,Biocompatibility reports available.**

### Application Note

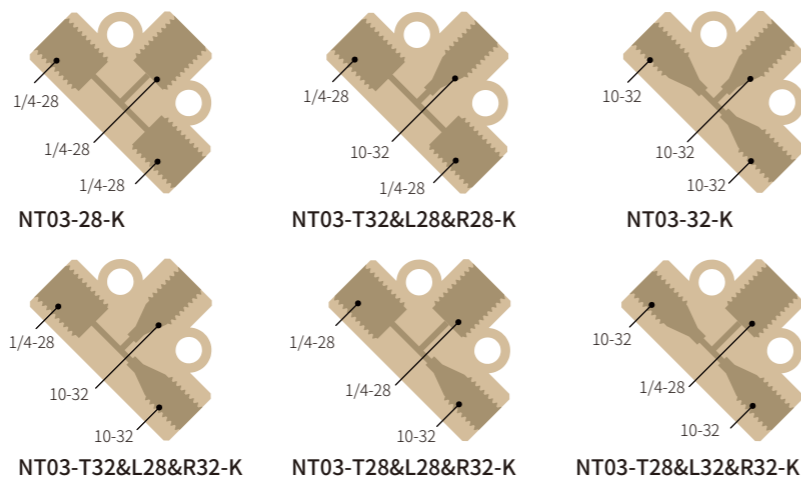
※ 8mm 1/4-28UNF female thread  
6.5mm 10-32UNF female thread



### Related Products

▶ Please refer to this table for matching PEEK fittings and tubes

	thread	Page
PEEK flanged fittings- two pieces	1/4-28UNF	09
PEEK flangeless fittings- two pieces	1/4-28UNF	11
PEEK flangeless fittings- three pieces	1/4-28UNF	13
PEEK one-piece hand tightening fittings	10-32UNF	21
PEEK hand tightening fittings - two pieces	10-32UNF	22
PEEK capillary tube		91
FEP tube		89
PTFE tube		90



SKU	Model No	Thread	Flow Passage Diameter	Wetted liquid volume	Material
<b>NT03-28-K</b>					
1011120001	NT03-28-K(0.8)	1/4-28UNF(*3)	0.8 mm	7.47 mm <sup>3</sup>	PEEK natural
1011120002	NT03-28-K(1.25)	1/4-28UNF(*3)	1.25 mm	18.29mm <sup>3</sup>	PEEK natural
1011120003	NT03-28-K(2.0)	1/4-28UNF(*3)	2.0 mm	45.09mm <sup>3</sup>	PEEK natural
<b>NT03-T32&amp;L28&amp;R28-K</b>					
1011120004	NT03-T32&L28&R28-K(0.8)	1/4-28UNF(*2) & 10-32UNF	0.8 mm	5.94 mm <sup>3</sup>	PEEK natural
1011120005	NT03-T32&L28&R28-K(1.25)	1/4-28UNF(*2) & 10-32UNF	1.25 mm	14.48mm <sup>3</sup>	PEEK natural
<b>NT03-32-K</b>					
1011120006	NT03-32-K(0.8)	10-32UNF(*3)	0.8 mm	2.87 mm <sup>3</sup>	PEEK natural
1011120007	NT03-32-K(1.25)	10-32UNF(*3)	1.25 mm	6.86 mm <sup>3</sup>	PEEK natural
<b>NT03-T32&amp;L28&amp;R32-K</b>					
1011120008	NT03-T32&L28&R32-K(0.8)	1/4-28UNF & 10-32UNF(*2)	0.8 mm	4.40 mm <sup>3</sup>	PEEK natural
1011120009	NT03-T32&L28&R32-K(1.25)	1/4-28UNF & 10-32UNF(*2)	1.25 mm	10.67mm <sup>3</sup>	PEEK natural
<b>NT03-T28&amp;L28&amp;R32-K</b>					
1011120010	NT03-T28&L28&R32-K(0.8)	1/4-28UNF(*2) & 10-32UNF	0.8 mm	5.94 mm <sup>3</sup>	PEEK natural
1011120011	NT03-T28&L28&R32-K(1.25)	1/4-28UNF(*2) & 10-32UNF	1.25 mm	14.48mm <sup>3</sup>	PEEK natural
<b>NT03-T28&amp;L32&amp;R32-K</b>					
1011120012	NT03-T28&L32&R32-K(0.8)	1/4-28UNF & 10-32UNF(*2)	0.8 mm	4.40 mm <sup>3</sup>	PEEK natural
1011120013	NT03-T28&L32&R32-K(1.25)	1/4-28UNF & 10-32UNF(*2)	1.25 mm	10.68mm <sup>3</sup>	PEEK natural

Note: If you need specific model other than above specification, please contact us for customization.

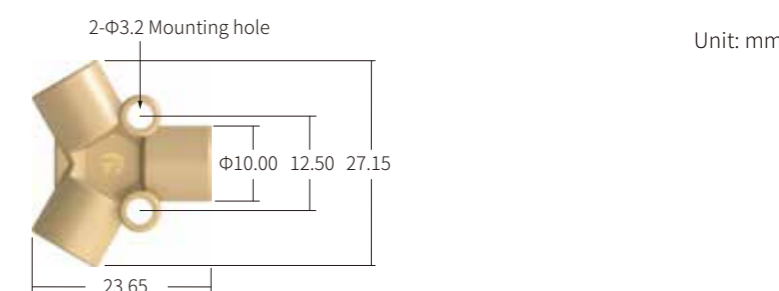
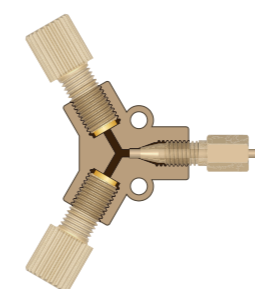
## PEEK Female Thread Y Adapter



- ◆ Designed to divide or gather two fluids together; ideal for pre-assembled tubing
- ◆ Y-connection geometry reduces turbulence, reduces baseline noise, increases sensitivity, and improves analysis results
- ◆ Long-term working temperature range -100°C~+250°C
- ◆ Suitable for standard 10-32UNF conical fittings or 1/4-28UNF flat bottom threaded fittings
- ◆ **REACH and RoHS Certified ,Biocompatibility reports available.**

### Application Note

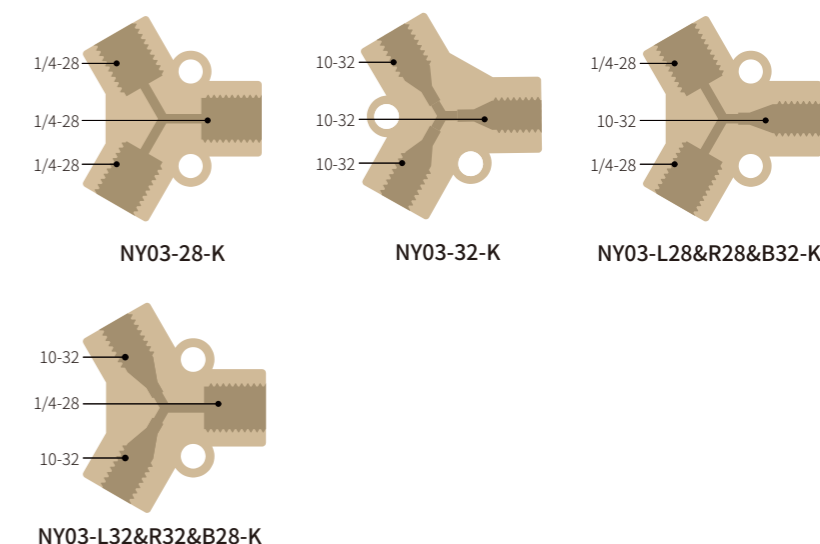
※ 8mm 1/4-28UNF female thread  
6.5mm 10-32UNF female thread



### Related Products

▶ Please refer to this table for matching PEEK fittings and tubes

	thread	Page
PEEK flanged fittings- two pieces	1/4-28UNF	09
PEEK flangeless fittings- two pieces	1/4-28UNF	11
PEEK flangeless fittings- three pieces	1/4-28UNF	13
PEEK one-piece hand tightening fittings	10-32UNF	21
PEEK hand tightening fittings - two pieces	10-32UNF	22
PEEK capillary tube		91
FEP tube		89
PTFE tube		90



SKU	Model No	Thread	Flow Passage Diameter	Wetted liquid volume	Material
<b>NY03-28-K</b>					
1011080001	NY03-28-K(0.8)	1/4-28UNF(*3)	0.8 mm	7.39 mm <sup>3</sup>	PEEK natural
1011080002	NY03-28-K(1.25)	1/4-28UNF(*3)	1.25 mm	18.13mm <sup>3</sup>	PEEK natural
1011080003	NY03-28-K(2.0)	1/4-28UNF(*3)	2.0 mm	44.81 mm <sup>3</sup>	PEEK natural
<b>NY03-32-K</b>					
1011080004	NY03-32-K(0.8)	10-32UNF(*3)	0.8 mm	2.78 mm <sup>3</sup>	PEEK natural
1011080005	NY03-32-K(1.25)	10-32UNF(*3)	1.25 mm	6.68 mm <sup>3</sup>	PEEK natural
<b>NY03-L28&amp;R28&amp;B32-K</b>					
1011080006	NY03-L28&R28&B32-K(0.8)	1/4-28UNF(*2) & 10-32UNF	0.8 mm	5.85 mm <sup>3</sup>	PEEK natural
1011080007	NY03-L28&R28&B32-K(1.25)	1/4-28UNF(*2) & 10-32UNF	1.25 mm	14.31 mm <sup>3</sup>	PEEK natural
<b>NY03-L32&amp;R32&amp;B28-K</b>					
1011080008	NY03-L32&R32&B28-K(0.8)	1/4-28UNF & 10-32UNF(*2)	0.8 mm	4.32 mm <sup>3</sup>	PEEK natural
1011080009	NY03-L32&R32&B28-K(1.25)	1/4-28UNF & 10-32UNF(*2)	1.25 mm	10.5 mm <sup>3</sup>	PEEK natural

Note: If you need specific model other than above specification, please contact us for customization.

## PEEK Female Thread Cross Adapter

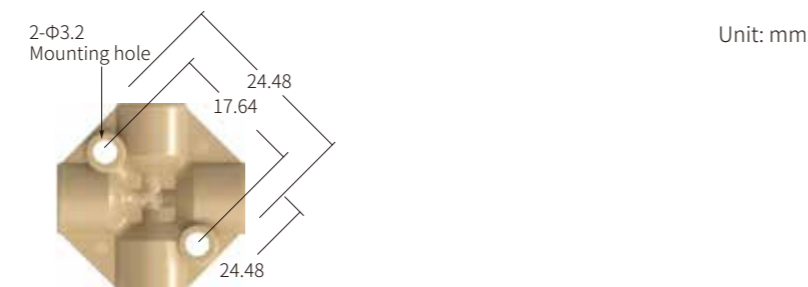
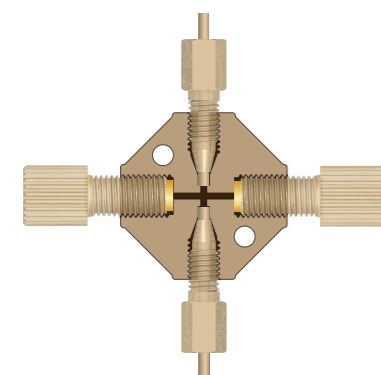


- ◆ Designed to divide or gather two fluids together; ideal for pre-assembled tubing
- ◆ connection geometry reduces turbulence, reduces baseline noise, increases sensitivity, and improves analysis results
- ◆ Long-term working temperature range -100°C~+250°C
- ◆ Suitable for standard 10-32UNF conical fittings or 1/4-28UNF flat bottom threaded fittings

◆ REACH and RoHS Certified ,Biocompatibility reports available.

### Application Note

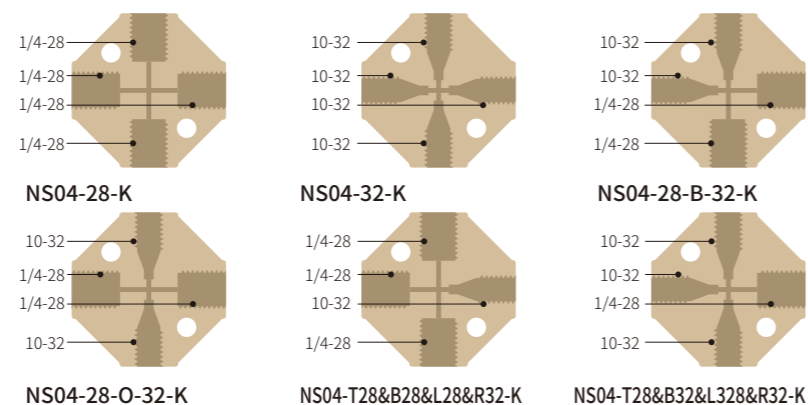
- ※ 8mm 1/4-28UNF female thread
- 6.5mm 10-32UNF female thread



### Related Products

▶ Please refer to this table for matching PEEK fittings and tubes

	thread	Page
PEEK flanged fittings- two pieces	1/4-28UNF	09
PEEK flangeless fittings- two pieces	1/4-28UNF	11
PEEK flangeless fittings- three pieces	1/4-28UNF	13
PEEK one-piece hand tightening fittings	10-32UNF	21
PEEK hand tightening fittings - two pieces	10-32UNF	22
PEEK capillary tube		91
FEP tube		89
PTFE tube		90



SKU	Model No	Thread	Flow Passage Diameter	Wetted liquid volume	Material
<b>NS04-28-K</b>					
1011090001	NS04-28-K(0.8)	1/4-28UNF(*4)	0.8 mm	9.21 mm <sup>3</sup>	PEEK natural
1011090002	NS04-28-K(1.25)	1/4-28UNF(*4)	1.25 mm	22.36 mm <sup>3</sup>	PEEK natural
1011090003	NS04-28-K(2.0)	1/4-28UNF(*4)	2.0 mm	54.36 mm <sup>3</sup>	PEEK natural
<b>NS04-32-K</b>					
1011090004	NS04-32-K(0.8)	10-32UNF(*4)	0.8 mm	3.05 mm <sup>3</sup>	PEEK natural
1011090005	NS04-32-K(1.25)	10-32UNF(*4)	1.25 mm	7.07 mm <sup>3</sup>	PEEK natural
<b>NS04-28-B-32-K</b>					
1011090006	NS04-28-B-32-K(0.8)	1/4-28UNF(*2) & 10-32UNF(*2)	0.8 mm	6.13 mm <sup>3</sup>	PEEK natural
1011090007	NS04-28-B-32-K(1.25)	1/4-28UNF(*2) & 10-32UNF(*2)	1.25 mm	14.73 mm <sup>3</sup>	PEEK natural
<b>NS04-28-O-32-K</b>					
1011090008	NS04-28-O-32-K(0.8)	1/4-28UNF(*2) & 10-32UNF(*2)	0.8 mm	6.13 mm <sup>3</sup>	PEEK natural
1011090009	NS04-28-O-32-K(1.25)	1/4-28UNF(*2) & 10-32UNF(*2)	1.25 mm	14.49 mm <sup>3</sup>	PEEK natural
<b>NS04-T28&amp;B28&amp;L28&amp;R32-K</b>					
1011090010	NS04-T28&B28&L28&R32-K(0.8)	1/4-28UNF(*3) & 10-32UNF	0.8 mm	7.67 mm <sup>3</sup>	PEEK natural
1011090011	NS04-T28&B28&L28&R32-K(1.25)	1/4-28UNF(*3) & 10-32UNF	1.25 mm	18.26 mm <sup>3</sup>	PEEK natural
<b>NS04-T28&amp;B32&amp;L328&amp;R32-K</b>					
1011090012	NS04-T28&B32&L328&R32-K(0.8)	1/4-28UNF & 10-32UNF(*3)	0.8 mm	4.60 mm <sup>3</sup>	PEEK natural
1011090013	NS04-T28&B32&L328&R32-K(1.25)	1/4-28UNF & 10-32UNF(*3)	1.25 mm	10.75 mm <sup>3</sup>	PEEK natural

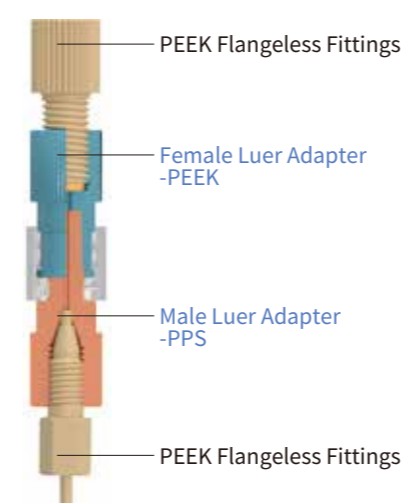
Note: If you need specific model other than above specification, please contact us for customization.

## PEEK Female Thread Luer Adapter



- ◆ Designed to adapt luer adapters to 10-32 UNF or 1/4-28 UNF threaded ports
- ◆ Long-term working temperature range -100°C~+250°C
- ◆ Suitable for standard 10-32UNF conical fittings or 1/4-28UNF flat bottom threaded fittings
- ◆ REACH and RoHS Certified ,Biocompatibility reports available.

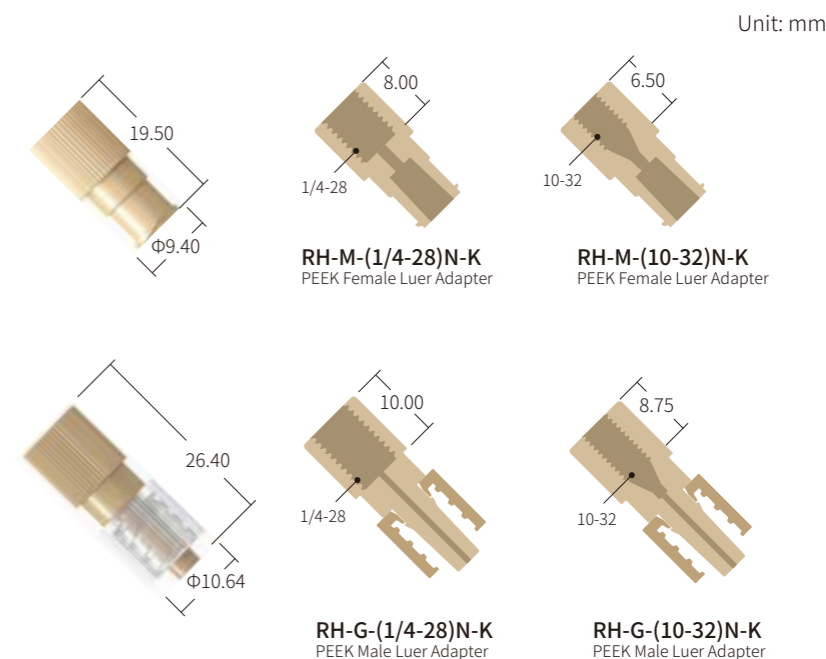
### Application Note



### Related Products

▶ Please refer to this table for matching PEEK fittings and tubes

	thread	Page
PEEK flanged fittings- two pieces	1/4-28UNF	09
PEEK flangeless fittings- two pieces	1/4-28UNF	11
PEEK flangeless fittings- three pieces	1/4-28UNF	13
PEEK one-piece hand tightening fittings	10-32UNF	21
PEEK hand tightening fittings - two pieces	10-32UNF	22
PEEK capillary tube		91
FEP tube		89
PTFE tube		90



SKU	Model No	Thread	Flow Passage Diameter	Pressure Rating	Material
<b>RH-M</b>					
1011130001	RH-M-(1/4-28)N-K	1/4-28UNF	—	3.50 Mpa	PEEK natural
1011130002	RH-M-(10-32)N-K	10-32UNF	—	3.50 Mpa	PEEK natural
<b>RH-G</b>					
1011130003	RH-G-(1/4-28)N-K(0.8)	1/4-28UNF	0.8 mm	3.50 Mpa	PEEK natural+PP natural
1011130005	RH-G-(1/4-28)N-K(1.2)	1/4-28UNF	1.2mm	3.50 Mpa	PEEK natural+PP natural
1011130004	RH-G-(10-32)N-K(0.8)	10-32UNF	0.8 mm	3.50 Mpa	PEEK natural+PP natural
1011130006	RH-G-(10-32)N-K(1.2)	10-32UNF	1.2mm	3.50 Mpa	PEEK natural+PP natural

Note: If you need specific model other than above specification, please contact us for customization.

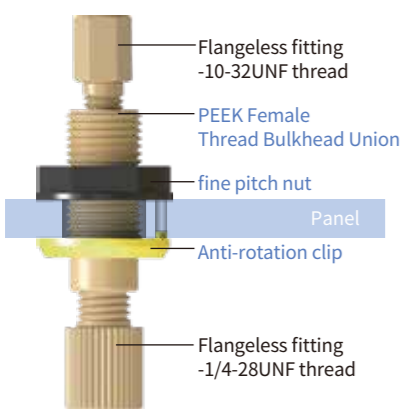


# PEEK Female Thread Bulkhead Union

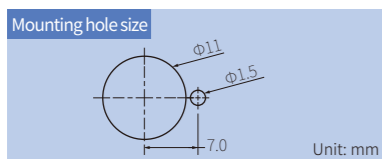


- ◆ Designed to pass through the equipment housing and connect the internal tubing to the outside
- ◆ Through-panel union with male thread M10\*1, with PPS nut and PP anti-rotation clip to tighten the fittings, installation requires advance drilling of the panel; multi-color anti-rotation clip is for easy distinguishments of the flow path
- ◆ Long-term working temperature range -100°C~+250°C
- ◆ Suitable for standard 10-32UNF conical fittings or 1/4-28UNF flat bottom threaded fittings

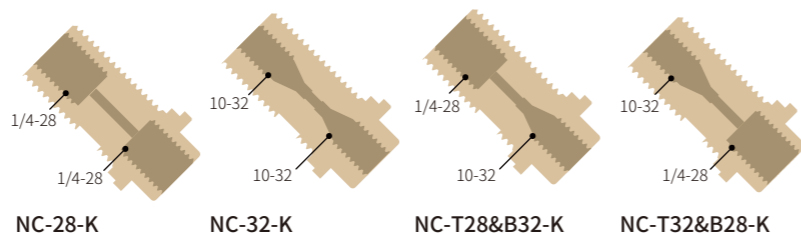
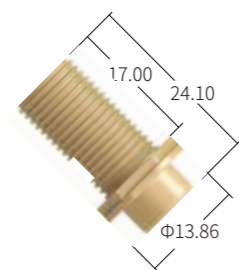
## Application Note



※ 8mm 1/4-28UNF female thread  
6.5mm 10-32UNF female thread  
※ Panel thickness ≤ 12.5mm



## PEEK Female Thread Bulkhead Union(mm)



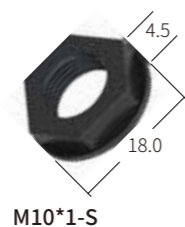
## Related Products

► It is recommended to purchase a wrench (PPS material) to tighten the hexagonal nut.

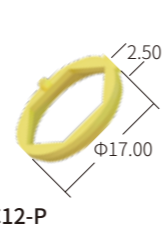


SKU	Model	Note
1006090016	15mm-S	Bulkhead nut wrench

## fine pitch nut (mm)



## Anti-rotation clip(mm)



SKU	Model No.	Thread	Flow Passage Diameter	Wetted liquid volume	Material
NC-28-K					
1011070010	NC-28-K(0.8) * M10*1-S * C12-P red	1/4-28UNF flat bottom	0.8mm	4.02 mm <sup>3</sup>	PEEK natural*PPS black*PP red
1011070011	NC-28-K(0.8) * M10*1-S * C12-P deep dark	1/4-28UNF flat bottom	0.8mm	4.02 mm <sup>3</sup>	PEEK natural*PPS black*PP deep dark
1011070012	NC-28-K(0.8) * M10*1-S * C12-P lemon yellow	1/4-28UNF flat bottom	0.8mm	4.02 mm <sup>3</sup>	PEEK natural*PPS black*PP lemon yellow
1011070013	NC-28-K(0.8) * M10*1-S * C12-P grass green	1/4-28UNF flat bottom	0.8mm	4.02 mm <sup>3</sup>	PEEK natural*PPS black*PP grass green
1011070014	NC-28-K(0.8) * M10*1-S * C12-P beige blue	1/4-28UNF flat bottom	0.8mm	4.02 mm <sup>3</sup>	PEEK natural*PPS black*PP beige blue
1011070015	NC-28-K(0.8) * M10*1-S * C12-P dark blue	1/4-28UNF flat bottom	0.8mm	4.02 mm <sup>3</sup>	PEEK natural*PPS black*PP dark blue
1011070016	NC-28-K(0.8) * M10*1-S * C12-P deep purple	1/4-28UNF flat bottom	0.8mm	4.02 mm <sup>3</sup>	PEEK natural*PPS black*PP deep purple

SKU	Model No.	Thread	Flow Passage Diameter	Wetted liquid volum	Material
NC-28-K					
1011070017	NC-28-K(1.25) * M10*1-S * C12-P red	1/4-28UNF flat bottom	1.25mm	9.98 mm <sup>3</sup>	PEEK natural*PPS black*PP red
1011070018	NC-28-K(1.25) * M10*1-S * C12-P deep dark	1/4-28UNF flat bottom	1.25mm	9.98 mm <sup>3</sup>	PEEK natural*PPS black*PP deep dark
1011070019	NC-28-K(1.25) * M10*1-S * C12-P lemon yellow	1/4-28UNF flat bottom	1.25mm	9.98 mm <sup>3</sup>	PEEK natural*PPS black*PP lemon yellow
1011070020	NC-28-K(1.25) * M10*1-S * C12-P grass green	1/4-28UNF flat bottom	1.25mm	9.98 mm <sup>3</sup>	PEEK natural*PPS black*PP grass green
1011070021	NC-28-K(1.25) * M10*1-S * C12-P beige blue	1/4-28UNF flat bottom	1.25mm	9.98 mm <sup>3</sup>	PEEK natural*PPS black*PP beige blue
1011070022	NC-28-K(1.25) * M10*1-S * C12-P dark blue	1/4-28UNF flat bottom	1.25mm	9.98 mm <sup>3</sup>	PEEK natural*PPS black*PP dark blue
1011070023	NC-28-K(1.25) * M10*1-S * C12-P deep purple	1/4-28UNF flat bottom	1.25mm	9.98 mm <sup>3</sup>	PEEK natural*PPS black*PP deep purple
1011070024	NC-28-K(2.0) * M10*1-S * C12-P red	1/4-28UNF flat bottom	2.0mm	25.13 mm <sup>3</sup>	PEEK natural*PPS black*PP red
1011070025	NC-28-K(2.0) * M10*1-S * C12-P deep dark	1/4-28UNF flat bottom	2.0mm	25.13 mm <sup>3</sup>	PEEK natural*PPS black*PP deep dark
1011070026	NC-28-K(2.0) * M10*1-S * C12-P lemon yellow	1/4-28UNF flat bottom	2.0mm	25.13 mm <sup>3</sup>	PEEK natural*PPS black*PP lemon yellow
1011070027	NC-28-K(2.0) * M10*1-S * C12-P grass green	1/4-28UNF flat bottom	2.0mm	25.13 mm <sup>3</sup>	PEEK natural*PPS black*PP grass green
1011070028	NC-28-K(2.0) * M10*1-S * C12-P beige blue	1/4-28UNF flat bottom	2.0mm	25.13 mm <sup>3</sup>	PEEK natural*PPS black*PP beige blue
1011070029	NC-28-K(2.0) * M10*1-S * C12-P dark blue	1/4-28UNF flat bottom	2.0mm	25.13 mm <sup>3</sup>	PEEK natural*PPS black*PP dark blue
1011070030	NC-28-K(2.0) * M10*1-S * C12-P deep purple	1/4-28UNF flat bottom	2.0mm	25.13 mm <sup>3</sup>	PEEK natural*PPS black*PP deep purple
NC-32-K					
1011070031	NC-32-K(0.8) * M10*1-S * C12-P red	10-32UNF conical	0.8mm	0.94 mm <sup>3</sup>	PEEK natural*PPS black*PP red
1011070032	NC-32-K(0.8) * M10*1-S * C12-P deep dark	10-32UNF conical	0.8mm	0.94 mm <sup>3</sup>	PEEK natural*PPS black*PP deep dark
1011070033	NC-32-K(0.8) * M10*1-S * C12-P lemon yellow	10-32UNF conical	0.8mm	0.94 mm <sup>3</sup>	PEEK natural*PPS black*PP lemon yellow
1011070034	NC-32-K(0.8) * M10*1-S * C12-P grass green	10-32UNF conical	0.8mm	0.94 mm <sup>3</sup>	PEEK natural*PPS black*PP grass green
1011070035	NC-32-K(0.8) * M10*1-S * C12-P beige blue	10-32UNF conical	0.8mm	0.94 mm <sup>3</sup>	PEEK natural*PPS black*PP beige blue
1011070036	NC-32-K(0.8) * M10*1-S * C12-P dark blue	10-32UNF conical	0.8mm	0.94 mm <sup>3</sup>	PEEK natural*PPS black*PP dark blue
1011070037	NC-32-K(0.8) * M10*1-S * C12-P deep purple	10-32UNF conical	0.8mm	0.94 mm <sup>3</sup>	PEEK natural*PPS black*PP deep purple
1011070038	NC-32-K(1.25) * M10*1-S * C12-P red	10-32UNF conical	1.25mm	2.33 mm <sup>3</sup>	PEEK natural*PPS black*PP red
1011070039	NC-32-K(1.25) * M10*1-S * C12-P deep dark	10-32UNF conical	1.25mm	2.33 mm <sup>3</sup>	PEEK natural*PPS black*PP deep dark
1011070040	NC-32-K(1.25) * M10*1-S * C12-P lemon yellow	10-32UNF conical	1.25mm	2.33 mm <sup>3</sup>	PEEK natural*PPS black*PP lemon yellow
1011070041	NC-32-K(1.25) * M10*1-S * C12-P grass green	10-32UNF conical	1.25mm	2.33 mm <sup>3</sup>	PEEK natural*PPS black*PP grass green
1011070042	NC-32-K(1.25) * M10*1-S * C12-P beige blue	10-32UNF conical	1.25mm	2.33 mm <sup>3</sup>	PEEK natural*PPS black*PP beige blue
1011070043	NC-32-K(1.25) * M10*1-S * C12-P dark blue	10-32UNF conical	1.25mm	2.33 mm <sup>3</sup>	PEEK natural*PPS black*PP dark blue
1011070044	NC-32-K(1.25) * M10*1-S * C12-P deep purple	10-32UNF conical	1.25mm	2.33 mm <sup>3</sup>	PEEK natural*PPS black*PP deep purple
NC-T28&B32-K					
1011070045	NC-T28&B32-K(0.8) * M10*1-S * C12-P red	1/4-28UNF flat bottom & 10-32UNF conical	0.8mm	2.48 mm <sup>3</sup>	PEEK natural*PPS black*PP red
1011070046	NC-T28&B32-K(0.8) * M10*1-S * C12-P deep dark	1/4-28UNF flat bottom & 10-32UNF conical	0.8mm	2.48 mm <sup>3</sup>	PEEK natural*PPS black*PP deep dark
1011070047	NC-T28&B32-K(0.8) * M10*1-S * C12-P lemon yellow	1/4-28UNF flat bottom & 10-32UNF conical	0.8mm	2.48 mm <sup>3</sup>	PEEK natural*PPS black*PP lemon yellow
1011070048	NC-T28&B32-K(0.8) * M10*1-S * C12-P grass green	1/4-28UNF flat bottom & 10-32UNF conical	0.8mm	2.48 mm <sup>3</sup>	PEEK natural*PPS black*PP grass green
1011070049	NC-T28&B32-K(0.8) * M10*1-S * C12-P beige blue	1/4-28UNF flat bottom & 10-32UNF conical	0.8mm	2.48 mm <sup>3</sup>	PEEK natural*PPS black*PP beige blue
1011070050	NC-T28&B32-K(0.8) * M10*1-S * C12-P dark blue	1/4-28UNF flat bottom & 10-32UNF conical	0.8mm	2.48 mm <sup>3</sup>	PEEK natural*PPS black*PP dark blue
1011070051	NC-T28&B32-K(0.8) * M10*1-S * C12-P deep purple	1/4-28UNF flat bottom & 10-32UNF conical	0.8mm	2.48 mm <sup>3</sup>	PEEK natural*PPS black*PP deep purple
1011070052	NC-T28&B32-K(1.25) * M10*1-S * C12-P red	1/4-28UNF flat bottom & 10-32UNF conical	1.25mm	6.16 mm <sup>3</sup>	PEEK natural*PPS black*PP red
1011070053	NC-T28&B32-K(1.25) * M10*1-S * C12-P deep dark	1/4-28UNF flat bottom & 10-32UNF conical	1.25mm	6.16 mm <sup>3</sup>	PEEK natural*PPS black*PP deep dark
1011070054	NC-T28&B32-K(1.25) * M10*1-S * C12-P lemon yellow	1/4-28UNF flat bottom & 10-32UNF conical	1.25mm	6.16 mm <sup>3</sup>	PEEK natural*PPS black*PP lemon yellow
1011070055	NC-T28&B32-K(1.25) * M10*1-S * C12-P grass green	1/4-28UNF flat bottom & 10-32UNF conical	1.25mm	6.16 mm <sup>3</sup>	PEEK natural*PPS black*PP grass green
1011070056	NC-T28&B32-K(1.25) * M10*1-S * C12-P beige blue	1/4-28UNF flat bottom & 10-32UNF conical	1.25mm	6.16 mm <sup>3</sup>	PEEK natural*PPS black*PP beige blue
1011070057	NC-T28&B32-K(1.25) * M10*1-S * C12-P dark blue	1/4-28UNF flat bottom & 10-32UNF conical	1.25mm	6.16 mm <sup>3</sup>	PEEK natural*PPS black*PP dark blue
1011070058	NC-T28&B32-K(1.25) * M10*1-S * C12-P deep purple	1/4-28UNF flat bottom & 10-32UNF conical	1.25mm	6.16 mm <sup>3</sup>	PEEK natural*PPS black*PP deep purple
NC-T32&B28-K					
1011070059	NC-T32&B28-K(0.8) * M10*1-S * C12-P red	10-32UNF conical & 1/4-28UNF flat bottom	0.8mm	2.48 mm <sup>3</sup>	PEEK natural*PPS black*PP red
1011070060	NC-T32&B28-K(0.8) * M10*1-S * C12-P deep dark	10-32UNF conical & 1/4-28UNF flat bottom	0.8mm	2.48 mm <sup>3</sup>	PEEK natural*PPS black*PP deep dark
1011070061	NC-T32&B28-K(0.8) * M10*1-S * C12-P lemon yellow	10-32UNF conical & 1/4-28UNF flat bottom	0.8mm	2.48 mm <sup>3</sup>	PEEK natural*PPS black*PP lemon yellow
1011070062	NC-T32&B28-K(0.8) * M10*1-S * C12-P grass green	10-32UNF conical & 1/4-28UNF flat bottom	0.8mm	2.48 mm <sup>3</sup>	PEEK natural*PPS black*PP grass green
1011070063	NC-T32&B28-K(0.8) * M10*1-S * C12-P beige blue	10-32UNF conical & 1/4-28UNF flat bottom	0.8mm	2.48 mm <sup>3</sup>	PEEK natural*PPS black*PP beige blue
1011070064	NC-T32&B28-K(0.8) * M10*1-S * C12-P dark blue	10-32UNF conical & 1/4-28UNF flat bottom	0.8mm	2.48 mm <sup>3</sup>	PEEK natural*PPS black*PP dark blue
1011070065	NC-T32&B28-K(0.8) * M10*1-S * C12-P deep purple	10-32UNF conical & 1/4-28UNF flat bottom	0.8mm	2.48 mm <sup>3</sup>	PEEK natural*PPS black*PP deep purple
1011070066	NC-T32&B28-K(1.25) * M10*1-S * C12-P red	10-32UNF conical & 1/4-28UNF flat bottom	1.25mm	6.16 mm <sup>3</sup>	PEEK natural*PPS black*PP red
1011070067	NC-T32&B28-K(1.25) * M10*1-S * C12-P deep dark	10-32UNF conical & 1/4-28UNF flat bottom	1.25mm	6.16 mm <sup>3</sup>	PEEK natural*PPS black*PP deep dark
1011070068	NC-T32&B28-K(1.25) * M10*1-S * C12-P lemon yellow	10-32UNF conical & 1/4-28UNF flat bottom	1.25mm	6.16 mm <sup>3</sup>	PEEK natural*PPS black*PP lemon yellow
1011070069	NC-T32&B28-K(1.25) * M10*1-S * C12-P grass green	10-32UNF conical & 1/4-28UNF flat bottom	1.25mm	6.16 mm <sup>3</sup>	PEEK natural*PPS black*PP grass green
1011070070	NC-T32&B28-K(1.25) * M10*1-S * C12-P beige blue	10-32UNF conical & 1/4-28UNF flat bottom	1.25mm	6.16 mm <sup>3</sup>	PEEK natural*PPS black*PP beige blue
1011070071	NC-T32&B28-K(1.25) * M10*1-S * C12-P dark blue	10-32UNF conical & 1/4-28UNF flat bottom	1.25mm	6.16 mm <sup>3</sup>	PEEK natural*PPS black*PP dark blue
1011070072	NC-T32&B28-K(1.25) * M10*1-S * C12-P deep purple	10-32UNF conical & 1/4-28UNF flat bottom	1.25mm	6.16 mm <sup>3</sup>	PEEK natural*PPS black*PP deep purple

Note: If you need specific model other than above specification, please contact us for customization.

## PEEK Female Thread Fitting



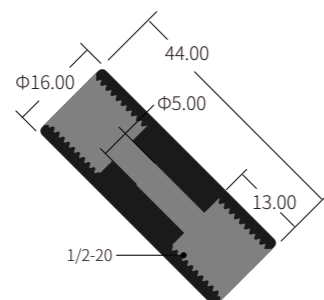
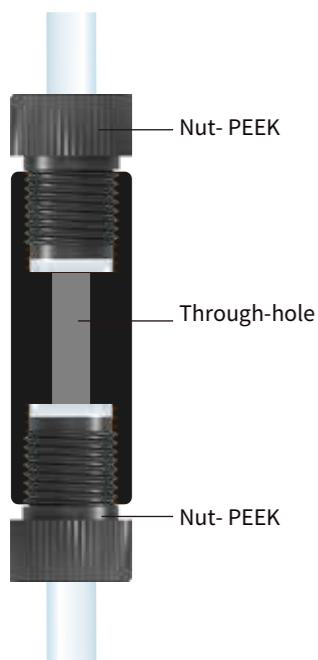
- ◆ Design for bypassing or multiple fluids converge; Great choice for pre tubing
- ◆ Effective elimination of loose fittings in the tube caused by twisting, can be tighten even when vibrating.
- ◆ Long-term working temperature range -100°C~+250°C
- ◆ Suitable for standard 1/2-20UNF flat bottom threaded fittings
- ◆ REACH and RoHS Certified ,Biocompatibility reports available

Note: the ratio of the physical connector to the picture is 4:3

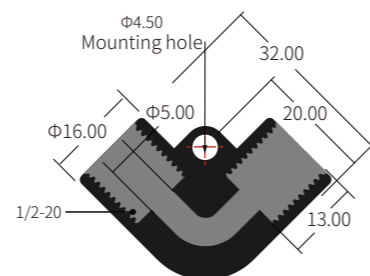
Unit: mm

### Application Note

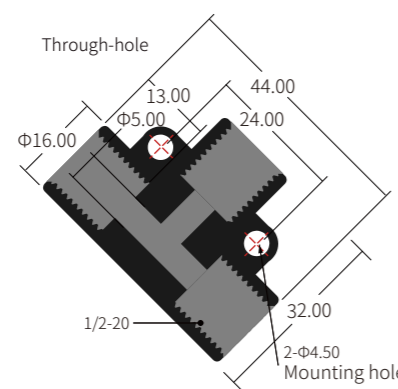
※ No dead volume docking can be achieved when the diameter of the flow path is the same as the inner diameter of the tube



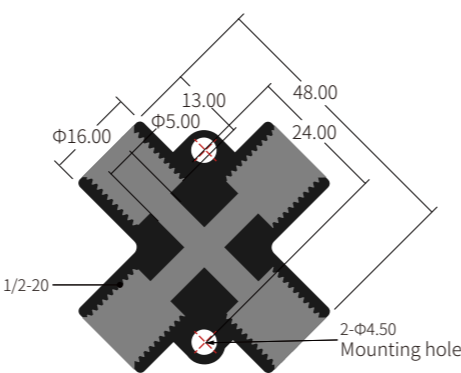
NF08-20-K(5.0)  
PEEK Female Thread Straight Adapter



NL05-20-K(5.0)  
PEEK Female Thread Elbow Adapter



NT03-20-K(5.0)  
PEEK Female Thread T Adapter



NS04-20-K(5.0)  
PEEK Female Thread Cross Adapter

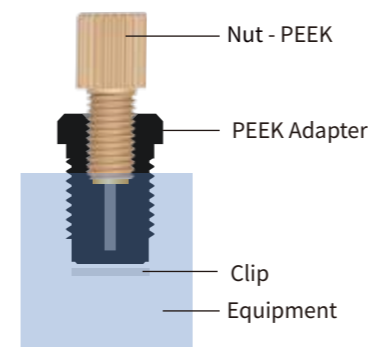
SKU	Model No	PEEK Female Thread Fitting	Thread	Flow Passage Diameter	Material
PEEK Female Thread Fitting					
1011110006	NF08-20-K(5.0)	PEEK Female Thread Straight Adapter	1/2-20UNF	5.0mm	PEEK black
1011060008	NL05-20-K(5.0)	PEEK Female Thread Elbow Adapter	1/2-20UNF	5.0mm	PEEK black
1011120014	NT03-20-K(5.0)	PEEK Female Thread T Adapter	1/2-20UNF	5.0mm	PEEK black
1011090014	NS04-20-K(5.0)	PEEK Female Thread Cross Adapter	1/2-20UNF	5.0mm	PEEK black

## PEEK Adapter

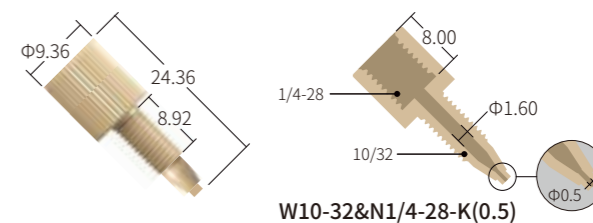
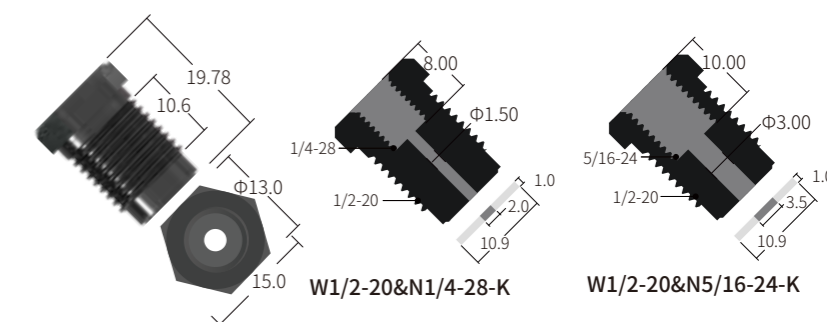


- ◆ Can be used with 1/2-20 UNF male fittings or equipment
- ◆ Long-term working temperature range -100°C~+250°C
- ◆ Suitable for standard 1/4-28UNF flat bottom threaded fittings or 5/16-24UNF flat bottom threaded fittings
- ◆ REACH and RoHS Certified ,Biocompatibility reports available

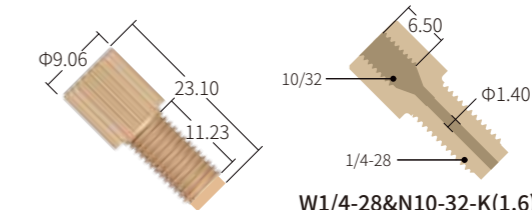
### Application Note



Unit: mm



W10-32&N1/4-28-K(0.5)



W1/4-28&N10-32-K(1.6)

SKU	Model No	Thread	Flow Passage Diameter	Material
PEEK Adapter				
1011160004	W10-32&N1/4-28-K(0.5)	1/4-28UNF	0.5mm	PEEK Natural
1011160003	W1/4-28&N10-32-K(1.6)	10-32UNF	1.6mm	PEEK Natural
1011160005	W1/2-20&N1/4-28-K(1.5) -KM	1/4-28UNF	1.5mm	PEEK black+PTFE white
1011160006	W1/2-20&N5/16-24-K(3.0) -KM	5/16-24UNF	3.0mm	PEEK black+PTFE white

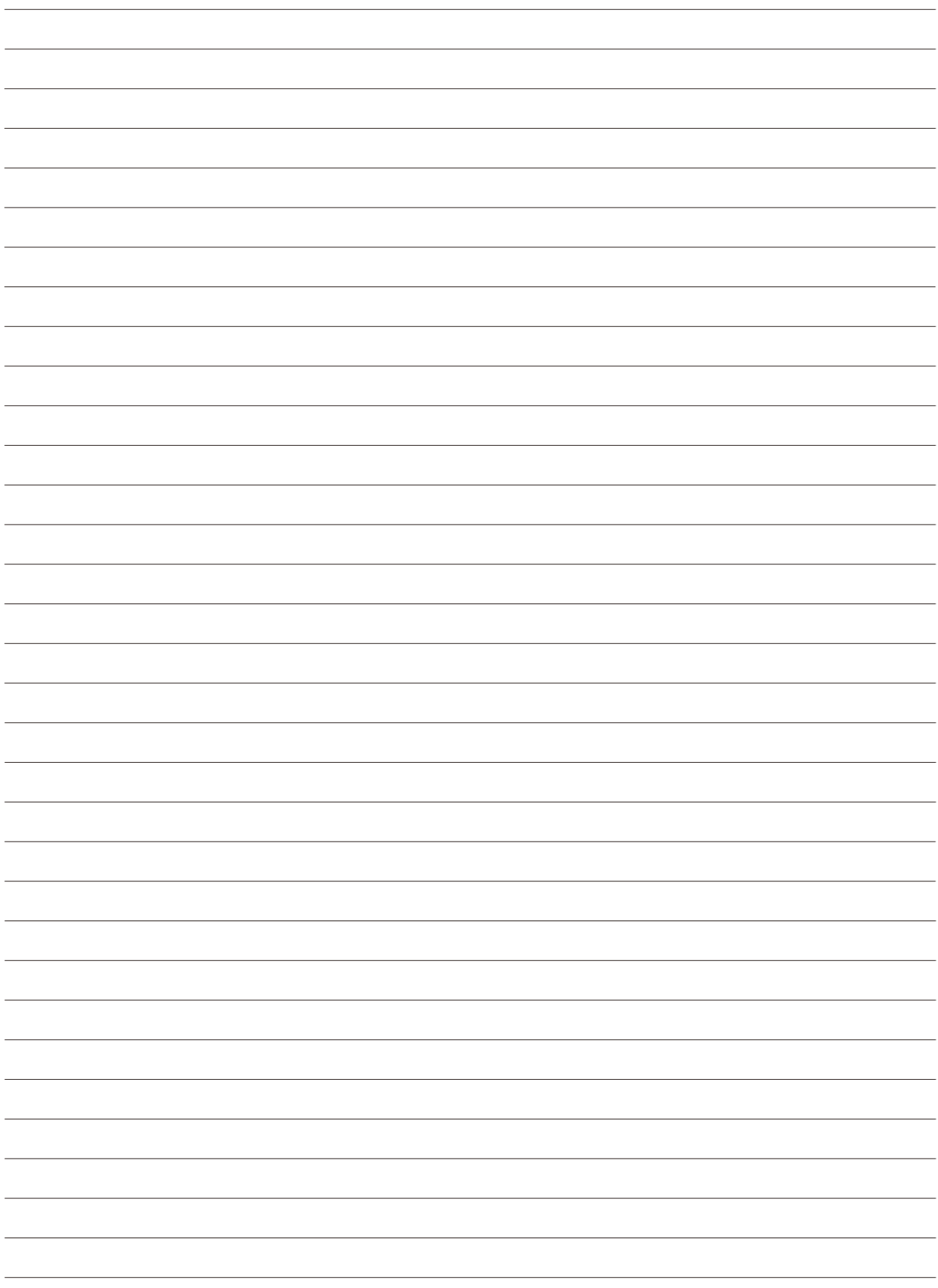
PEEK Fitting

Threaded Fitting

Barb-to-Thread Adapter

Barbed Connector

Tubing



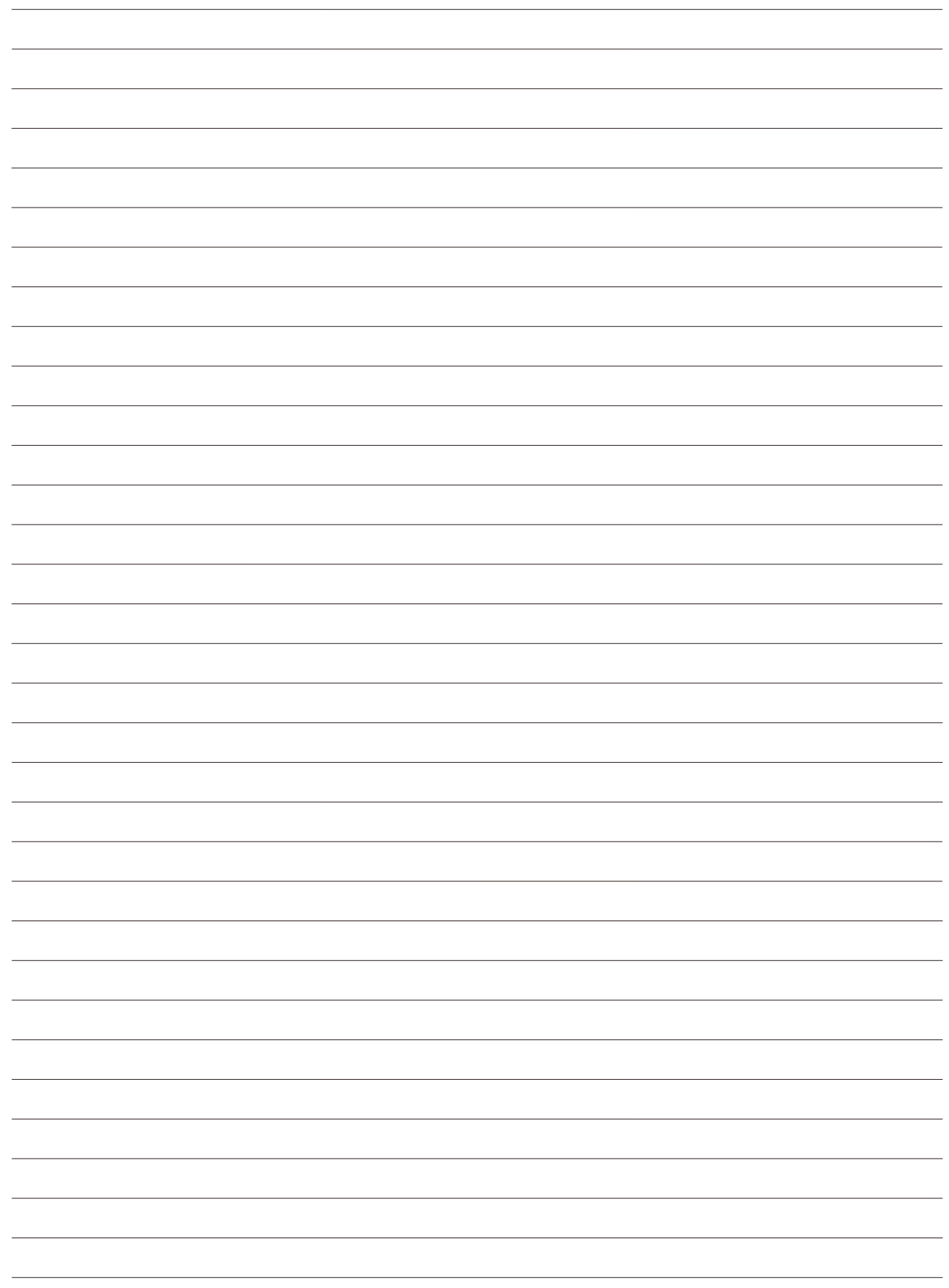
PEEK Fitting

Threaded Fitting

Barb-to-Thread Adapter

Barbed Connector

Tubing







**Step 1.** Flange the tubing with exclusive flange tools, tubing can be flanged one end or both two ends, depending on specific application requirements

**Step 2.** When tubing flanged in two ends, 2 pieces clips and 2 pieces nuts need to be slid into the tubing before both ends flanged; when tubing flanged in one end, 1 piece clip and 1 piece nut can be slid into tubing before or after the one end flanged.

**Step 3.** Insert the assembly into the receiving port, pushing the tubing into the port until it bottoms out

**Step 4.** Finger tighten the fittings into the port until snug

**Step 5.** After several uses (especially at high pressure) the flanged tube should be replaced

## Flanged Fitting —two-piece set

◆ The fitting requires a flat flanged end and a gasket/clip located between the flanged tube and the flat bottom fitting. Sealing achieved through tightening the nut, by deforming the bottom of the tube, the bottom of the tube then compressed to form an airtight rigid tube connection system. The wetted part is the tubing itself: a matching washer(gasket) is required.

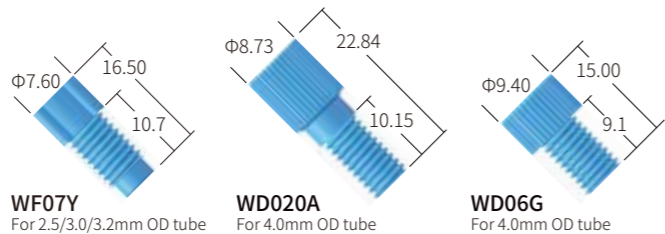
◆ Resistant to chemicals and organics, including PP, PTFE, PPS and other materials

◆ Used for standard rigid tubing OD 1.6/2.0/2.5/3.0/3.2mm, easy and fast installation.

◆ Thread: 1/4-28UNF, M6

◆ REACH, ROHS Certified, Biocompatibility and FDA report available.

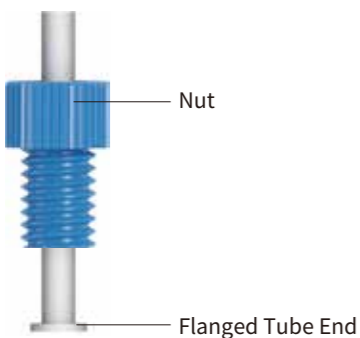
### Nut(mm)



**WF07Y**  
For 2.5/3.0/3.2mm OD tube

**WD020A**  
For 4.0mm OD tube

**WD06G**  
For 4.0mm OD tube



※ Flange the tubing with exclusive flange tools, flanged Tube End ≤ Φ5mm

※ Runze can provide you with tube flanging services

SKU	Model No.	Thread	Tube OD	Material
<b>Nut</b>				
1006030001	WF07Y-1/4-28-P	1/4-28UNF	2.5mm/3.0mm/3.2mm OD	PP blue
1006010154	WD020A-1/4-28-P	1/4-28UNF	4.0mm OD	PP blue
1006010162	WD06G-1/4-28-P	1/4-28UNF	4.0mm OD	PP blue
1006010156	WD020A-M6-P	M6	4.0mm OD	PP blue



### Related Products

▶ Please refer to page 89-90 FEP/PTFE Tube to achieve connection with rigid tube

SKU	Model (ID*OD)	Note
1005040001	TFLG00001 (0.8*1.6)	FEP Transparent
1005040002	TFLG00002 (1*2)	FEP Transparent
1005040003	TFLG00003 (1.5*2.5)	FEP Transparent
1005040004	TFLG00004 (2*3)	FEP Transparent
1005040005	TFLG00005 (2.175*3.175)	FEP Transparent

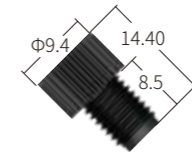
▶ It is recommended to purchase the handtightening tooling. The handle is designed to be longer and larger, with a larger force area, it is easier to tighten fittings in tight spaces

SKU	Model No.	Note
1006010473	SNGZ-YX-X	Suitable for WF10A, WD10A, WD020A flangeless fittings
1006010472	SNGZ-10-1	Suitable for WF05EL, WF05E, WD05EL, WD05E fittings
1066080004	10*42	Strong magnetic sleeve
1006010489	SNGZ-11-X	Suitable for WF03G, WD03G flangeless fittings
1066080014	13*42	Strong magnetic sleeve
1066080003	N20LTDK	Torque detector

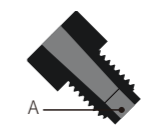
Kit SKU	Thread	Tube OD	Material
<b>Flanged Fitting—two-piece set-Short conventional handle</b>			
1006030021	1/4-28UNF	1.6mm OD	PPS black+SUS316
1006030008	1/4-28UNF	2.0mm OD	PPS black+SUS316
1006030009	1/4-28UNF	2.5mm OD	PPS black+SUS316
1006030020	1/4-28UNF	3.0mm OD	PPS black+SUS316
1006030010	1/4-28UNF	3.2mm OD	PPS black+SUS316
<b>Flanged Fitting—two-piece set-Short and compact handle</b>			
1006030023	1/4-28UNF	1.6mm OD	PPS black+SUS316
1006030011	1/4-28UNF	2.0mm OD	PPS black+SUS316
1006030012	1/4-28UNF	2.5mm OD	PPS black+SUS316
1006030022	1/4-28UNF	3.0mm OD	PPS black+SUS316
1006030013	1/4-28UNF	3.2mm OD	PPS black+SUS316
<b>Flanged Fitting—Flower shaped handle</b>			
1006010639	1/4-28UNF	3.0mm OD	PP dark blue+SUS316
1006010643	M6	3.0mm OD	PP beige blue+SUS316

※ Flangeless nuts are also available in PTFE, PPS and POM;

### PPS Nut(mm)



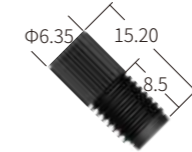
Short and compact handle



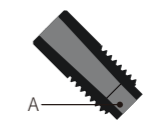
**WF21G-28-S-Black**  
A=Φ2.10, For 1.6/2.0mm OD tube

**WF26G-28-S-Black**  
A=Φ2.60, For 2.5mm OD tube

**WD33G-28-S-Black**  
A=Φ3.30, For 3.0/3.2mm OD tube



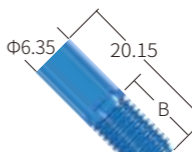
Short conventional handle



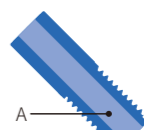
**WF21B-28-S-Black**  
A=Φ2.10, For 1.6/2.0mm OD tube

**WF26B-28-S-Black**  
A=Φ2.60, For 2.5mm OD tube

**WD33B-28-S-Black**  
A=Φ3.30, For 3.0/3.2mm OD tube



Flower shaped handle



**WD30N-28-P**  
A=Φ3.10, B=9.97, For 3.0mm OD tube

**WD30N-M6-P**  
A=Φ3.10, B=10.15, For 3.0mm OD tube

### Clip(mm)



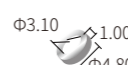
**KDF-016-S316**  
1.6mm OD tube



**KDF-020-S316**  
2.0mm OD tube



**KDF-025-S316**  
2.5mm OD tube



**KDF-030-S316**  
3.0mm OD tube



**KDF-032-S316**  
3.2mm OD tube

PEEK Fitting  
Threaded Fitting  
Barb-to-Thread Adapter  
Barbed Connector  
Tubing

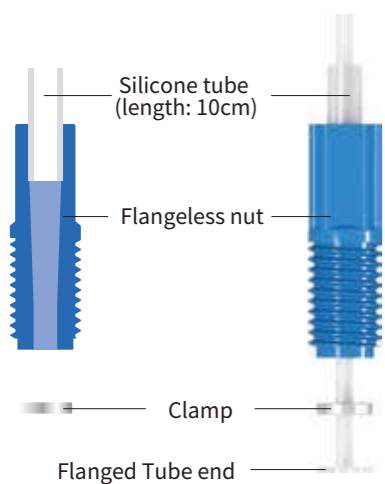
PEEK Fitting  
Threaded Fitting  
Barb-to-Thread Adapter  
Barbed Connector  
Tubing



## Flanged Fitting —three-piece set

### Application Note

1. Use a professional tube cutter to cut the rigid tube end flat
2. Insert suitable hoses, flanged fittings, and clamps corresponding to the outer diameter size of the tubes from the rigid tubes in sequence
3. Use a professional flanger to flip the end face of the rigid tube into a flange (bell mouth). If one end needs to be flipped, flip one end, and if both ends need to be flipped, flip both ends
4. Manually screw the prepared set flange fitting to the corresponding threaded bottom hole to form a sealed tubing



- ※ Flange the tubing with exclusive flange tools, flanged Tube End ≤ Φ5mm
- ※ Runze can provide you with tube flanging services

- ◆ A traditional flat bottomed fitting. By deformation processing at the bottom of the tube, the bottom of the tube then compressed to form an airtight rigid tube connection system.
- ◆ Adding silicone tubing: ensuring high sealing of the system and preventing liquid or gas leakage; The buffering and anti sliding function extends the service life of the PTFE tube and the entire connecting components.
- ◆ No change diameter, no impact on flow rate, more stable flow rate; Can be disassembled repeatedly without affecting its sealing performance.
- ◆ Chemical corrosion resistance and various organic compounds, PPS Plug and SUS316 claps.
- ◆ Used for standard rigid tubing OD 1.6/2.0/2.5mm, quick and easy installation.
- ◆ Thread : 1/4-28UNF, M6.

◆ REACH, RoHS, Biocompatibility, FDA reports available

### Nut(mm)

**WF16N-28-P-dark blue**  
A=Φ1.70, B=9.97, For 1.6mm OD tube

**WF20N-28-P-dark blue**  
A=Φ2.10, B=9.97, For 2.0mm OD tube

**WD25N-28-P-dark blue**  
A=Φ2.60, B=9.97, For 2.5mm OD tube

**WF16N-M6-P-light blue**  
A=Φ1.70, B=10.15, For 1.6mm OD tube

**WF20N-M6-P-light blue**  
A=Φ2.10, B=10.15, For 2.0mm OD tube

**WD25N-M6-P-light blue**  
A=Φ2.60, B=10.15, For 2.5mm OD tube

**WF06G-28-P**  
A=Φ2.60, For 2.5mm OD tube

### Large handle

### Clip(mm)

**KDF-016-S316**  
For 1.6mm OD tube

**KDF-020-S316**  
For 2.0mm OD tube

**KDF-025-S316**  
For 2.5mm OD tube

SKU	Model No.	Thread	Tube OD	Material
Waved handle-Flanged Fitting—three-piece set				
1006010636	WF16N-28P- dark blue+KDF-016S316+1.7*3	1/4-28UNF	1.6mm OD	PP dark blue+SUS316+silicone (length 10mm)
1006010637	WF20N-28P- dark blue+KDF-020S316+2.1*3	1/4-28UNF	2.0mm OD	PP dark blue+SUS316+silicone (length 10mm)
1006010638	WD25N-28P- dark blue+KDF-025S316+2.6*3	1/4-28UNF	2.5mm OD	PP dark blue+SUS316+silicone (length 10mm)
1006010640	WF16N-M6P- light blue+KDF-016S316+1.7*3	M6	1.6mm OD	PP light blue+SUS316+silicone (length 10mm)
1006010641	WF20N-M6P- light blue+KDF-020S316+2.1*3	M6	2.0mm OD	PP light blue+SUS316+silicone (length 10mm)
1006010642	WD25N-M6P- light blue+KDF-025S316+2.6*3	M6	2.5mm OD	PP light blue+SUS316+silicone (length 10mm)
Large handle-Flanged Fitting—three-piece set				
1006010644	WF06G-28P+KDF-025S316+2.6*4.5	1/4-28UNF	2.5mm OD	PP natural color+SUS316+silicone (length 10mm)



## Flangeless Fitting —two-piece set

- ◆ Standard fittings with straight threads, which are tool-free and durable. Simply slide the nut and ferrule on the tube, screwing them into the tube. The fittings need to use with ferrule.
- ◆ Resistant to chemicals and organics, including PP, PTFE, PPS, POM, PVDF and other materials
- ◆ Used for standard rigid tubing OD 1.6/2.0/2.5/3.0/3.2mm, easy and fast installation.
- ◆ Thread: 1/4-28UNF, M6

◆ REACH, ROHS Certified, Biocompatibility and FDA report available.

### Nut(mm)

**WF10A**  
For 1.6/2.0mm OD tube

**WD10A**  
For 2.5/3.0/3.2mm OD tube

**WF03G**  
For 1.6/2.0mm OD tube

**WD03G**  
For 2.5/3.0/3.2mm OD tube

**WF08BL**  
For 1.6/2.0mm OD tube

**WD08BL**  
For 2.5/3.0/3.2mm OD tube

**WF08B**  
For 1.6/2.0mm OD tube

**WD08B**  
For 2.5/3.0/3.2mm OD tube

**WF05EL**  
For 1.6/2.0mm OD tube

**WD05EL**  
For 2.5/3.0/3.2mm OD tube

**WF05E**  
For 1.6/2.0mm OD tube

**WD05E**  
For 2.5/3.0/3.2mm OD tube

**WF06CL**  
For 1.6/2.0mm OD tube

**WD06CL**  
For 2.5/3.0/3.2mm OD tube

**WF06C**  
For 1.6/2.0mm OD tube

**WD06C**  
For 2.5/3.0/3.2mm OD tube

### Ferrule(mm)

**YE-016**  
For 1.6mm OD tube

**YE-020**  
For 2.0mm OD tube

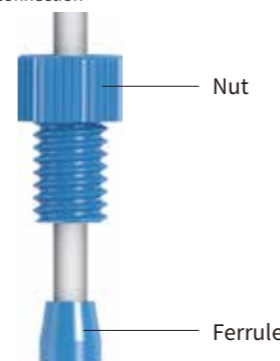
**YC-025**  
For 2.5mm OD tube

**YC-030**  
For 3.0mm OD tube

**YC-032**  
For 3.2mm OD tube

### Application Note

- Step 1.** Slide the nut, followed by the ferrule, at least 3/16" (4.7625mm) from the end of clean cut tubing
- Step 2.** Insert the assembly into the receiving port, pushing the tubing into the port until it bottoms out
- Step 3.** Finger tighten the fittings into the port until snug
- Step 4.** After disassembling, the ferrules should be replaced in next assembly and connection



※ Make sure the ferrule is oriented correctly! The narrow end of the ferrule should towards the nut.

### Related Products

▶ Please refer to page 89-90 FEP/PTFE Tube to achieve connection with rigid tube

SKU	Model (ID*OD)	Note
1005040001	TFLG00001 (0.8*1.6)	FEP Transparent
1005040002	TFLG00002 (1*2)	FEP Transparent
1005040003	TFLG00003 (1.5*2.5)	FEP Transparent
1005040004	TFLG00004 (2*3)	FEP Transparent
1005040005	TFLG00005 (2.175*3.175)	FEP Transparent

▶ It is recommended to purchase the handtighten tooling. The handle is designed to be longer and larger. with a larger force area, it is easier to tighten fittings in tight spaces

SKU	Model No.	Note
1006010473	SNGZ-YX-X	Suitable for WF10A, WD10A flangeless fittings
1006010472	SNGZ-10-1	Suitable for WF05EL, WF05E, WD05EL, WD05E fittings
1066080004	10*42	Strong magnetic sleeve
1006010489	SNGZ-11-X	Suitable for WF03G, WD03G flangeless fittings
1066080014	13*42	Strong magnetic sleeve
1066080003	N20LTDK	Torque detector

SKU	Model No.	Thread	Tube OD	Torque	Pull-off Strength	Rapture Pressure	Pressure Rating	Deformation Degree	Material
WF10A/WD10A									
1006010170	WF10A-28P * YE-016P	1/4-28UNF	1.6mm OD	0.2N·M	2.17kgf	7.09 Mpa	4.96 Mpa	0.88	PP natural*PP natural
1006010169	WF10A-28P * YE-020P	1/4-28UNF	2.0mm OD	0.2N·M	2.47kgf	6.77 Mpa	4.74 Mpa	0.72	PP natural*PP natural
1006010168	WD10A-28P * YC-025P	1/4-28UNF	2.5mm OD	0.3N·M	3.15kgf	5.71 Mpa	4.00 Mpa	0.93	PP natural*PP natural
1006010167	WD10A-28P * YC-030P	1/4-28UNF	3.0mm OD	0.3N·M	2.75kgf	4.76 Mpa	3.33 Mpa	0.85	PP natural*PP natural
1006010166	WD10A-28P * YC-032P	1/4-28UNF	3.2mm OD	0.4N·M	3.35kgf	4.98 Mpa	3.49 Mpa	0.75	PP natural*PP natural
1006010175	WF10A-28E * YE-016A	1/4-28UNF	1.6mm OD	0.2N·M	2.12kgf	9.69 Mpa	6.78 Mpa	0.71	PTFE natural*PFA natural
1006010174	WF10A-28E * YE-020A	1/4-28UNF	2.0mm OD	0.2N·M	2.20kgf	9.86 Mpa	6.90 Mpa	0.67	PTFE natural*PFA natural
1006010173	WD10A-28E * YC-025A	1/4-28UNF	2.5mm OD	0.2N·M	2.84kgf	6.71 Mpa	4.70 Mpa	0.82	PTFE natural*PFA natural
1006010172	WD10A-28E * YC-030A	1/4-28UNF	3.0mm OD	0.2N·M	3.53kgf	4.84 Mpa	3.39 Mpa	0.78	PTFE natural*PFA natural
1006010171	WD10A-28E * YC-032A	1/4-28UNF	3.2mm OD	0.3N·M	5.02kgf	6.84 Mpa	4.79 Mpa	0.74	PTFE natural*PFA natural
1006010246	WF10A-M6P * YE-016P	M6	1.6mm OD	0.2N·M	2.37kgf	8.57 Mpa	6.00 Mpa	0.75	PP natural*PP natural
1006010247	WF10A-M6P * YE-020P	M6	2.0mm OD	0.2N·M	2.42kgf	6.49 Mpa	4.54 Mpa	0.76	PP natural*PP natural
1006010248	WD10A-M6P * YC-025P	M6	2.5mm OD	0.3N·M	2.10kgf	4.94 Mpa	3.46 Mpa	0.88	PP natural*PP natural
1006010249	WD10A-M6P * YC-030P	M6	3.0mm OD	0.3N·M	2.83kgf	4.43 Mpa	3.10 Mpa	0.83	PP natural*PP natural
1006010238	WD10A-M6P * YC-032P	M6	3.2mm OD	0.3N·M	2.92kgf	3.34 Mpa	2.34 Mpa	0.83	PP natural*PP natural
1006010241	WF10A-M6E * YE-016A	M6	1.6mm OD	0.2N·M	1.56kgf	9.59 Mpa	6.71 Mpa	0.7	PTFE natural*PFA natural
1006010242	WF10A-M6E * YE-020A	M6	2.0mm OD	0.2N·M	2.37kgf	9.29 Mpa	6.50 Mpa	0.7	PTFE natural*PFA natural
1006010243	WD10A-M6E * YC-025A	M6	2.5mm OD	0.2N·M	2.88kgf	6.49 Mpa	4.54 Mpa	0.76	PTFE natural*PFA natural
1006010244	WD10A-M6E * YC-030A	M6	3.0mm OD	0.3N·M	2.93kgf	4.85 Mpa	3.40 Mpa	0.75	PTFE natural*PFA natural
1006010245	WD10A-M6E * YC-032A	M6	3.2mm OD	0.3N·M	3.54kgf	7.56 Mpa	5.29 Mpa	0.82	PTFE natural*PFA natural
1006010455	WD10A-28M * YC-016P	1/4-28UNF	1.6mm OD	0.2N·M	2.40kgf	8.36 Mpa	5.85 Mpa	0.625	POM natural*PP natural
1006010456	WD10A-28M * YC-020P	1/4-28UNF	2.0mm OD	0.3N·M	1.68kgf	8.02 Mpa	5.61 Mpa	0.69	POM natural*PP natural
1006010457	WD10A-28M * YC-025P	1/4-28UNF	2.5mm OD	0.3N·M	2.80kgf	6.77 Mpa	4.74 Mpa	0.72	POM natural*PP natural
1006010458	WD10A-28M * YC-030P	1/4-28UNF	3.0mm OD	0.3N·M	3.41kgf	5.04 Mpa	3.53 Mpa	0.85	POM natural*PP natural
1006010459	WD10A-28M * YC-032P	1/4-28UNF	3.2mm OD	0.3N·M	5.11kgf	7.14 Mpa	5.00 Mpa	0.806	POM natural*PP natural
1006010460	WD10A-M6M * YC-016P	M6	1.6mm OD	0.3N·M	1.99kgf	8.42 Mpa	5.89 Mpa	0.93	POM natural*PP natural
1006010461	WD10A-M6M * YC-020P	M6	2.0mm OD	0.3N·M	1.85kgf	7.17 Mpa	5.02 Mpa	0.92	POM natural*PP natural
1006010462	WD10A-M6M * YC-025P	M6	2.5mm OD	0.3N·M	3.42kgf	5.31 Mpa	3.72 Mpa	0.95	POM natural*PP natural
1006010463	WD10A-M6M * YC-030P	M6	3.0mm OD	0.3N·M	3.30kgf	5.59 Mpa	3.91 Mpa	0.85	POM natural*PP natural
1006010464	WD10A-M6M * YC-032P	M6	3.2mm OD	0.3N·M	4.06kgf	5.75 Mpa	4.03 Mpa	0.73	POM natural*PP natural
1006010592	WF10A-28V * YE-016P	1/4-28UNF	1.6mm OD						PVDF natural*PP natural
1006010605	WF10A-28V * YE-016A	1/4-28UNF	1.6mm OD						PVDF natural*PFA natural
1006010594	WF10A-M6V * YE-016P	M6	1.6mm OD						PVDF natural*PP natural
1006010593	WD10A-28V * YC-032P	1/4-28UNF	3.2mm OD						PVDF natural*PP natural
1006010606	WD10A-28V * YC-032F	1/4-28UNF	3.2mm OD						PVDF natural*ETFE yellow
1006010607	WD10A-28V * YC-032A	1/4-28UNF	3.2mm OD						PVDF natural*PFA natural
1006010595	WD10A-M6V * YC-032P	M6	3.2mm OD						PVDF natural*PP natural

\*Please refer to the notes at the bottom of page 7 for the definitions of Pull-off force, Rapture value, and Pressure rating.

SKU	Model No.	Thread	Tube OD	Torque	Pull-off Strength	Rapture Pressure	Pressure Rating	Deformation Degree	Material
WF03G/WD03G									
1006010254	WF03G-28P * YE-016P	1/4-28UNF	1.6mm OD	0.3N·M	2.32kgf	10.98Mpa	7.68 Mpa	0.85	PP natural*PP natural
1006010255	WF03G-28P * YE-020P	1/4-28UNF	2.0mm OD	0.3N·M	2.02kgf	7.21 Mpa	5.05 Mpa	0.89	PP natural*PP natural
1006010335	WD03G-28P * YC-025P	1/4-28UNF	2.5mm OD	0.3N·M	2.16kgf	5.52 Mpa	3.86 Mpa	0.86	PP natural*PP natural
1006010336	WD03G-28P * YC-030P	1/4-28UNF	3.0mm OD	0.3N·M	2.65kgf	5.78 Mpa	4.05 Mpa	0.82	PP natural*PP natural
1006010337	WD03G-28P * YC-032P	1/4-28UNF	3.2mm OD	0.3N·M	3.25kgf	4.84 Mpa	3.39 Mpa	0.81	PP natural*PP natural
1006010329	WF03G-28E * YE-016A	1/4-28UNF	1.6mm OD	0.3N·M	1.98kgf	11.45Mpa	8.01 Mpa	0.775	PTFE natural*PFA natural
1006010330	WF03G-28E * YE-020A	1/4-28UNF	2.0mm OD	0.3N·M	1.92kgf	7.39 Mpa	5.17 Mpa	0.79	PTFE natural*PFA natural
1006010338	WD03G-28E * YC-025A	1/4-28UNF	2.5mm OD	0.3N·M	2.15kgf	5.94 Mpa	4.16 Mpa	0.73	PTFE natural*PFA natural
1006010339	WD03G-28E * YC-030A	1/4-28UNF	3.0mm OD	0.3N·M	2.54kgf	5.77 Mpa	4.04 Mpa	0.78	PTFE natural*PFA natural
1006010340	WD03G-28E * YC-032A	1/4-28UNF	3.2mm OD	0.3N·M	4.12kgf	8.26 Mpa	5.78 Mpa	0.756	PTFE natural*PFA natural
1006010331	WF03G-M6P * YE-016P	M6	1.6mm OD	0.3N·M	2.87kgf	10.21Mpa	7.147Mpa	0.8	PP natural*PP natural
1006010332	WF03G-M6P * YE-020P	M6	2.0mm OD	0.3N·M	2.76kgf	10.35Mpa	7.25 Mpa	0.69	PP natural*PP natural
1006010341	WD03G-M6P * YC-025P	M6	2.5mm OD	0.3N·M	2.16kgf	5.47 Mpa	3.83 Mpa	0.87	PP natural*PP natural
1006010342	WD03G-M6P * YC-030P	M6	3.0mm OD	0.3N·M	2.92kgf	5.01 Mpa	3.51 Mpa	0.86	PP natural*PP natural
1006010343	WD03G-M6P * YC-032P	M6	3.2mm OD	0.3N·M	3.67kgf	4.88 Mpa	3.42 Mpa	0.85	PP natural*PP natural
1006010333	WF03G-M6E * YE-016A	M6	1.6mm OD	0.3N·M	2.76kgf	10.96Mpa	7.67 Mpa	0.75	PTFE natural*PFA natural
1006010334	WF03G-M6E * YE-020A	M6	2.0mm OD	0.3N·M	2.16kgf	7.47 Mpa	5.23 Mpa	0.89	PTFE natural*PFA natural
1006010344	WD03G-M6E * YC-025A	M6	2.5mm OD	0.3N·M	2.41kgf	5.09 Mpa	3.56 Mpa	0.84	PTFE natural*PFA natural
1006010345	WD03G-M6E * YC-030A	M6	3.0mm OD	0.3N·M	2.82kgf	5.66 Mpa	3.96 Mpa	0.74	PTFE natural*PFA natural
1006010346	WD03G-M6E * YC-032A	M6	3.2mm OD	0.3N·M	4.60kgf	10.26Mpa	7.18 Mpa	0.69	PTFE natural*PFA natural
1006010609	WF03G-28V * YE-016A	1/4-28UNF	1.6mm OD						PVDF natural*PFA natural
1006010596	WF03G-28V * YE-016P	1/4-28UNF	1.6mm OD						PVDF natural*PP natural
1006010598	WF03G-M6V+YE-016P	M6	1.6mm OD						PVDF natural*PFA natural
1006010610	WD03G-28V * YC-032F	1/4-28UNF	3.2mm OD						PVDF natural*ETFE yellow
1006010611	WD03G-28V * YC-032A	1/4-28UNF	3.2mm OD						PVDF natural*PFA natural
1006010597	WD03G-28V * YC-032P	1/4-28UNF	3.2mm OD						PVDF natural*PP natural
1006010599	WD03G-M6V * YC-032P	M6	3.2mm OD						PVDF natural*PP natural
WF08BL/WD08BL									
1006010292	WF08BL-28P * YE-016P	1/4-28UNF	1.6mm OD						PP natural*PP natural
1006010293	WF08BL-28P * YE-020P	1/4-28UNF	2.0mm OD						PP natural*PP natural
1006010300	WD08BL-28P * YC-025P	1/4-28UNF	2.5mm OD						PP natural*PP natural
1006010301	WD08BL-28P * YC-030P	1/4-28UNF	3.0mm OD						PP natural*PP natural
1006010302	WD08BL-28P * YC-032P	1/4-28UNF	3.2mm OD						PP natural*PP natural
1006010294	WF08BL-28E * YE-016A	1/4-28UNF	1.6mm OD						PTFE natural*PFA natural
1006010295	WF08BL-28E * YE-020A	1/4-28UNF	2.0mm OD						PTFE natural*PFA natural
1006010303	WD08BL-28E * YC-025A	1/4-28UNF	2.5mm OD						PTFE natural*PFA natural
1006010304	WD08BL-28E * YC-030A	1/4-28UNF	3.0mm OD						PTFE natural*PFA natural
1006010305	WD08BL-28E * YC-032A	1/4-28UNF	3.2mm OD						PTFE natural*PFA natural
1006010296	WF08BL-M6P * YE-016P	M6	1.6mm OD						PP natural*PP natural
1006010297	WF08BL-M6P * YE-020P	M6	2.0mm OD						PP natural*PP natural
1006010306	WD08BL-M6P * YC-025P	M6	2.5mm OD						PP natural*PP natural
1006010307	WD08BL-M6P * YC-030P	M6	3.0mm OD						PP natural*PP natural
1006010308	WD08BL-M6P * YC-032P	M6	3.2mm OD						PP natural*PP natural
1006010298	WF08BL-M6E * YE-016A	M6	1.6mm OD						PTFE natural*PFA natural
1006010299	WF08BL-M6E * YE-020A	M6	2.0mm OD						PTFE natural*PFA natural
1006010309	WD08BL-M6E * YC-025A	M6	2.5mm OD						PTFE natural*PFA natural
1006010310	WD08BL-M6E * YC-030A	M6	3.0mm OD						PTFE natural*PFA natural
1006010311	WD08BL-M6E * YC-032A	M6	3.2mm OD						PTFE natural*PFA natural



SKU	Model No.	Thread	Tube OD	Material
<b>WF08B/WD08B</b>				
1006010252	WF08B-28P * YE-016P	1/4-28UNF	1.6mm OD	PP natural*PP natural
1006010253	WF08B-28P * YE-020P	1/4-28UNF	2.0mm OD	PP natural*PP natural
1006010318	WD08B-28P * YC-025P	1/4-28UNF	2.5mm OD	PP natural*PP natural
1006010319	WD08B-28P * YC-030P	1/4-28UNF	3.0mm OD	PP natural*PP natural
1006010239	WD08B-28P+YC-032P	1/4-28UNF	3.2mm OD	PP natural*PP natural
1006010312	WF08B-28E * YE-016A	1/4-28UNF	1.6mm OD	PTFE natural*PFA natural
1006010313	WF08B-28E * YE-020A	1/4-28UNF	2.0mm OD	PTFE natural*PFA natural
1006010320	WD08B-28E * YC-025A	1/4-28UNF	2.5mm OD	PTFE natural*PFA natural
1006010321	WD08B-28E * YC-030A	1/4-28UNF	3.0mm OD	PTFE natural*PFA natural
1006010322	WD08B-28E * YC-032A	1/4-28UNF	3.2mm OD	PTFE natural*PFA natural
1006010314	WF08B-M6P * YE-016P	M6	1.6mm OD	PP natural*PP natural
1006010315	WF08B-M6P * YE-020P	M6	2.0mm OD	PP natural*PP natural
1006010323	WD08B-M6P * YC-025P	M6	2.5mm OD	PP natural*PP natural
1006010324	WD08B-M6P * YC-030P	M6	3.0mm OD	PP natural*PP natural
1006010325	WD08B-M6P * YC-032P	M6	3.2mm OD	PP natural*PP natural
1006010316	WF08B-M6E * YE-016A	M6	1.6mm OD	PTFE natural*PFA natural
1006010317	WF08B-M6E * YE-020A	M6	2.0mm OD	PTFE natural*PFA natural
1006010326	WD08B-M6E * YC-025A	M6	2.5mm OD	PTFE natural*PFA natural
1006010327	WD08B-M6E * YC-030A	M6	3.0mm OD	PTFE natural*PFA natural
1006010328	WD08B-M6E * YC-032A	M6	3.2mm OD	PTFE natural*PFA natural
1006010600	WF08B-28V * YE-016P	1/4-28UNF	1.6mm OD	PVDF natural*PP natural
1006010613	WF08B-28V * YE-016A	1/4-28UNF	1.6mm OD	PVDF natural*PFA natural
1006010602	WF08B-M6V * YE-016P	M6	1.6mm OD	PVDF natural*PP natural
1006010601	WD08B-28V * YC-032P	1/4-28UNF	3.2mm OD	PVDF natural*PP natural
1006010614	WD08B-28V * YC-032F	1/4-28UNF	3.2mm OD	PVDF natural*ETFE yellow
1006010615	WD08B-28V * YC-032A	1/4-28UNF	3.2mm OD	PVDF natural*PFA natural
1006010603	WD08B-M6V * YC-032P	M6	3.2mm OD	PVDF natural*PP natural
<b>WF05EL/WD05EL</b>				
1006010258	WF05EL-28P * YE-016P	1/4-28UNF	1.6mm OD	PP natural*PP natural
1006010259	WF05EL-28P * YE-020P	1/4-28UNF	2.0mm OD	PP natural*PP natural
1006010260	WD05EL-28P * YC-025P	1/4-28UNF	2.5mm OD	PP natural*PP natural
1006010261	WD05EL-28P * YC-030P	1/4-28UNF	3.0mm OD	PP natural*PP natural
1006010262	WD05EL-28P * YC-032P	1/4-28UNF	3.2mm OD	PP natural*PP natural
1006010474	WF05EL-28E * YE-016A	1/4-28UNF	1.6mm OD	PTFE natural*PFA natural
1006010475	WF05EL-28E * YE-020A	1/4-28UNF	2.0mm OD	PTFE natural*PFA natural
1006010263	WD05EL-28E * YC-025A	1/4-28UNF	2.5mm OD	PTFE natural*PFA natural
1006010264	WD05EL-28E * YC-030A	1/4-28UNF	3.0mm OD	PTFE natural*PFA natural
1006010265	WD05EL-28E * YC-032A	1/4-28UNF	3.2mm OD	PTFE natural*PFA natural
1006010266	WD05EL-M6P * YC-025P	M6	2.5mm OD	PP natural*PP natural
1006010267	WD05EL-M6P * YC-030P	M6	3.0mm OD	PP natural*PP natural
1006010268	WD05EL-M6P * YC-032P	M6	3.2mm OD	PP natural*PP natural
1006010269	WD05EL-M6E * YC-025A	M6	2.5mm OD	PTFE natural*PFA natural
1006010270	WD05EL-M6E * YC-030A	M6	3.0mm OD	PTFE natural*PFA natural
1006010271	WD05EL-M6E * YC-032A	M6	3.2mm OD	PTFE natural*PFA natural

\*Please refer to the notes at the bottom of page 7 for the definitions of Pull-off force, Rapture value, and Pressure rating.

SKU	Model No.	Thread	Tube OD	Material
<b>WF05E/WD05E</b>				
1006010272	WF05E-28P * YE-016P	1/4-28UNF	1.6mm OD	PP natural*PP natural
1006010273	WF05E-28P * YE-020P	1/4-28UNF	2.0mm OD	PP natural*PP natural
1006010280	WD05E-28P * YC-025P	1/4-28UNF	2.5mm OD	PP natural*PP natural
1006010281	WD05E-28P * YC-030P	1/4-28UNF	3.0mm OD	PP natural*PP natural
1006010282	WD05E-28P * YC-032P	1/4-28UNF	3.2mm OD	PP natural*PP natural
1006010274	WF05E-28E * YE-016A	1/4-28UNF	1.6mm OD	PTFE natural*PFA natural
1006010275	WF05E-28E * YE-020A	1/4-28UNF	2.0mm OD	PTFE natural*PFA natural
1006010283	WD05E-28E * YC-025A	1/4-28UNF	2.5mm OD	PTFE natural*PFA natural
1006010284	WD05E-28E * YC-030A	1/4-28UNF	3.0mm OD	PTFE natural*PFA natural
1006010285	WD05E-28E * YC-032A	1/4-28UNF	3.2mm OD	PTFE natural*PFA natural
1006010276	WF05E-M6P * YE-016P	M6	1.6mm OD	PP natural*PP natural
1006010277	WF05E-M6P * YE-020P	M6	2.0mm OD	PP natural*PP natural
1006010286	WD05E-M6P * YC-025P	M6	2.5mm OD	PP natural*PP natural
1006010287	WD05E-M6P * YC-030P	M6	3.0mm OD	PP natural*PP natural
1006010288	WD05E-M6P * YC-032P	M6	3.2mm OD	PP natural*PP natural
1006010278	WF05E-M6E * YE-016A	M6	1.6mm OD	PTFE natural*PFA natural
1006010279	WF05E-M6E * YE-020A	M6	2.0mm OD	PTFE natural*PFA natural
1006010289	WD05E-M6E * YC-025A	M6	2.5mm OD	PTFE natural*PFA natural
1006010290	WD05E-M6E * YC-030A	M6	3.0mm OD	PTFE natural*PFA natural
1006010291	WD05E-M6E * YC-032A	M6	3.2mm OD	PTFE natural*PFA natural
<b>WF06CL/WD06CL</b>				
1006010347	WF06CL-28P * YE-016P	1/4-28UNF	1.6mm OD	PP natural*PP natural
1006010348	WF06CL-28P * YE-020P	1/4-28UNF	2.0mm OD	PP natural*PP natural
1006010353	WD06CL-28P * YC-025P	1/4-28UNF	2.5mm OD	PP natural*PP natural
1006010354	WD06CL-28P * YC-030P	1/4-28UNF	3.0mm OD	PP natural*PP natural
1006010355	WD06CL-28P * YC-032P	1/4-28UNF	3.2mm OD	PP natural*PP natural
1006010349	WF06CL-28E * YE-016A	1/4-28UNF	1.6mm OD	PTFE natural*PFA natural
1006010350	WF06CL-28E * YE-020A	1/4-28UNF	2.0mm OD	PTFE natural*PFA natural
1006010356	WD06CL-28E * YC-025A	1/4-28UNF	2.5mm OD	PTFE natural*PFA natural
1006010357	WD06CL-28E * YC-030A	1/4-28UNF	3.0mm OD	PTFE natural*PFA natural
1006010358	WD06CL-28E * YC-032A	1/4-28UNF	3.2mm OD	PTFE natural*PFA natural
1006010351	WF06CL-M6P * YE-016P	M6	1.6mm OD	PP natural*PP natural
1006010352	WF06CL-M6P * YE-020P	M6	2.0mm OD	PP natural*PP natural
1006010359	WD06CL-M6P * YC-025P	M6	2.5mm OD	PP natural*PP natural
1006010360	WD06CL-M6P * YC-030P	M6	3.0mm OD	PP natural*PP natural
1006010361	WD06CL-M6P * YC-032P	M6	3.2mm OD	PP natural*PP natural
<b>WF06C/WD06C</b>				
1006010362	WF06C-28P * YE-016P	1/4-28UNF	1.6mm OD	PP natural*PP natural
1006010363	WF06C-28P * YE-020P	1/4-28UNF	2.0mm OD	PP natural*PP natural
1006010366	WD06C-28P * YC-025P	1/4-28UNF	2.5mm OD	PP natural*PP natural
1006010367	WD06C-28P * YC-030P	1/4-28UNF	3.0mm OD	PP natural*PP natural
1006010368	WD06C-28P * YC-032P	1/4-28UNF	3.2mm OD	PP natural*PP natural
1006010476	WF06C-28E * YE-016A	1/4-28UNF	1.6mm OD	PTFE natural*PFA natural
1006010477	WF06C-28E * YE-020A	1/4-28UNF	2.0mm OD	PTFE natural*PFA natural
1006010369	WD06C-28E * YC-025A	1/4-28UNF	2.5mm OD	PTFE natural*PFA natural
1006010370	WD06C-28E * YC-030A	1/4-28UNF	3.0mm OD	PTFE natural*PFA natural
1006010371	WD06C-28E * YC-032A	1/4-28UNF	3.2mm OD	PTFE natural*PFA natural
1006010364	WF06C-M6P * YE-016P	M6	1.6mm OD	PP natural*PP natural
1006010365	WF06C-M6P * YE-020P	M6	2.0mm OD	PP natural*PP natural
1006010372	WD06C-M6P * YC-025P	M6	2.5mm OD	PP natural*PP natural
1006010373	WD06C-M6P * YC-030P	M6	3.0mm OD	PP natural*PP natural
1006010374	WD06C-M6P * YC-032P	M6	3.2mm OD	PP natural*PP natural

\*Please refer to the notes at the bottom of page 7 for the definitions of Pull-off force, Rapture value, and Pressure rating.



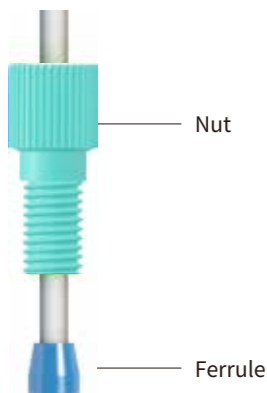
# Color Flangeless Fitting

## —two-piece set

- ◆ Standard fittings with straight threads, which are tool-free and durable. Simply slide the nut and ferrule on the tube, screwing them into the tube. The fittings need to use with ferrule.
- ◆ Resistant to chemicals and organics, PP
- ◆ Used for standard rigid tubing OD 1.6/2.0/2.5/3.0/3.2mm, easy and fast installation.
- ◆ Different fitting colors for easy differentiation of flow paths
- ◆ Thread : 1/4-28UNF, M6
- ◆ REACH, ROHS Certified, Biocompatibility and FDA report available.

### ★ Application Note

Installation steps same as flangeless fittings



※ Make sure the ferrule is oriented correctly! The narrow end of the ferrule should towards the nut.

※ Flangeless nut is available in PTFE

### 🔗 Related Products

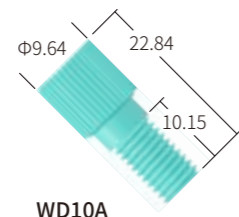
▶ Please refer to page 89-90 FEP/PTFE Tube to achieve connection with rigid tube

SKU	Model (ID*OD)	Note
1005040001	TFLG00001 (0.8*1.6)	FEP Transparent
1005040002	TFLG00002 (1*2)	FEP Transparent
1005040003	TFLG00003 (1.5*2.5)	FEP Transparent
1005040004	TFLG00004 (2*3)	FEP Transparent
1005040005	TFLG00005 (2.175*3.175)	FEP Transparent

▶ It is recommended to purchase the handtighten tooling. The handle is designed to be longer and larger. With a larger force area, it is easier to tighten fittings in tight spaces

SKU	Model No.	Note
1006010473	SNGZ-YX-X	Suitable for WF10A/WD10A flangeless fittings
1066080004	10*42	Strong magnetic sleeve
1066080003	N20LTDK	Torque detector

### Nut(mm)



### Ferrule(mm)



**YC-016**

For 1.6mm OD tube

**YC-020**

For 2.0mm OD tube

**YC-025**

For 2.5mm OD tube

**YC-030**

For 3.0mm OD tube

**YC-032**

For 3.2mm OD tube

SKU	Model No.	Thread	Tube OD	Torque	Pull-off Strength	Rapture Pressure	Pressure Rating	Deformation Degree	Material
<b>Red</b>									
1006010375	WD10A-28P-Red * YC-016P	1/4-28UNF	1.6mm OD	0.3N·M	1.74kgf	7.62Mpa	5.33Mpa	0.83	PP red* PP natural
1006010376	WD10A-28P-Red * YC-020P	1/4-28UNF	2.0mm OD	0.3N·M	1.83kgf	7.32Mpa	5.12Mpa	0.75	PP red* PP natural
1006010377	WD10A-28P-Red * YC-025P	1/4-28UNF	2.5mm OD	0.3N·M	2.23kgf	5.41Mpa	3.79Mpa	0.73	PP red* PP natural
1006010378	WD10A-28P-Red * YC-030P	1/4-28UNF	3.0mm OD	0.3N·M	2.41kgf	5.15Mpa	3.61Mpa	0.72	PP red* PP natural
1006010379	WD10A-28P-Red * YC-032P	1/4-28UNF	3.2mm OD	0.3N·M	5.10kgf	4.30Mpa	3.01Mpa	0.73	PP red* PP natural
1006010415	WD10A-M6P-Red * YC-016P	M6	1.6mm OD	0.3N·M	1.47kgf	4.63Mpa	4.50Mpa	0.83	PP red* PP natural
1006010416	WD10A-M6P-Red * YC-020P	M6	2.0mm OD	0.3N·M	1.18kgf	4.59Mpa	3.21Mpa	0.84	PP red* PP natural
1006010417	WD10A-M6P-Red * YC-025P	M6	2.5mm OD	0.3N·M	1.64kgf	4.41Mpa	3.09Mpa	0.88	PP red* PP natural
1006010418	WD10A-M6P-Red * YC-030P	M6	3.0mm OD	0.3N·M	1.95kgf	3.51Mpa	2.46Mpa	0.84	PP red* PP natural
1006010419	WD10A-M6P-Red * YC-032P	M6	3.2mm OD	0.3N·M	2.36kgf	2.78Mpa	1.95Mpa	0.85	PP red* PP natural
<b>Deep Purple</b>									
1006010380	WD10A-28P-Deep Purple * YC-016P	1/4-28UNF	1.6mm OD	0.3N·M	1.15kgf	4.60Mpa	3.22Mpa	0.88	PP deep purple* PP natural
1006010381	WD10A-28P-Deep Purple * YC-020P	1/4-28UNF	2.0mm OD	0.3N·M	1.91kgf	4.71Mpa	3.30Mpa	0.80	PP deep purple* PP natural
1006010382	WD10A-28P-Deep Purple * YC-025P	1/4-28UNF	2.5mm OD	0.3N·M	2.51kgf	4.46Mpa	3.12Mpa	0.82	PP deep purple* PP natural
1006010383	WD10A-28P-Deep Purple * YC-030P	1/4-28UNF	3.0mm OD	0.3N·M	2.86kgf	4.54Mpa	3.19Mpa	0.82	PP deep purple* PP natural
1006010384	WD10A-28P-Deep Purple * YC-032P	1/4-28UNF	3.2mm OD	0.3N·M	5.34kgf	4.24Mpa	2.97Mpa	0.84	PP deep purple* PP natural
1006010420	WD10A-M6P-Deep Purple * YC-016P	M6	1.6mm OD	0.3N·M	0.90kgf	4.70Mpa	3.29Mpa	0.90	PP deep purple* PP natural
1006010421	WD10A-M6P-Deep Purple * YC-020P	M6	2.0mm OD	0.3N·M	2.02kgf	3.58Mpa	2.51Mpa	0.85	PP deep purple* PP natural
1006010422	WD10A-M6P-Deep Purple * YC-025P	M6	2.5mm OD	0.3N·M	1.75kgf	3.42Mpa	2.39Mpa	0.91	PP deep purple* PP natural
1006010423	WD10A-M6P-Deep Purple * YC-030P	M6	3.0mm OD	0.3N·M	1.65kgf	3.89Mpa	2.72Mpa	0.90	PP deep purple* PP natural
1006010424	WD10A-M6P-Deep Purple * YC-032P	M6	3.2mm OD	0.3N·M	3.26kgf	2.84Mpa	1.99Mpa	0.85	PP deep purple* PP natural
<b>Dark Blue</b>									
1006010385	WD10A-28P-Dark Blue * YC-016P	1/4-28UNF	1.6mm OD	0.3N·M	1.12kgf	5.86Mpa	4.10Mpa	0.90	PP dark blue* PP natural
1006010386	WD10A-28P-Dark Blue * YC-020P	1/4-28UNF	2.0mm OD	0.3N·M	1.76kgf	4.75Mpa	3.33Mpa	0.79	PP dark blue* PP natural
1006010387	WD10A-28P-Dark Blue * YC-025P	1/4-28UNF	2.5mm OD	0.3N·M	2.46kgf	4.68Mpa	3.28Mpa	0.87	PP dark blue* PP natural
1006010388	WD10A-28P-Dark Blue * YC-030P	1/4-28UNF	3.0mm OD	0.3N·M	3.32kgf	5.41Mpa	3.79Mpa	0.76	PP dark blue* PP natural
1006010389	WD10A-28P-Dark Blue * YC-032P	1/4-28UNF	3.2mm OD	0.3N·M	5.32kgf	4.42Mpa	3.09Mpa	0.82	PP dark blue* PP natural
1006010425	WD10A-M6P-Dark Blue * YC-016P	M6	1.6mm OD	0.3N·M	1.34kgf	4.48Mpa	3.14Mpa	0.91	PP dark blue* PP natural
1006010426	WD10A-M6P-Dark Blue * YC-020P	M6	2.0mm OD	0.3N·M	1.24kgf	4.16Mpa	2.91Mpa	0.84	PP dark blue* PP natural
1006010427	WD10A-M6P-Dark Blue * YC-025P	M6	2.5mm OD	0.3N·M	1.84kgf	3.79Mpa	2.65Mpa	0.95	PP dark blue* PP natural
1006010428	WD10A-M6P-Dark Blue * YC-030P	M6	3.0mm OD	0.3N·M	2.98kgf	4.42Mpa	3.09Mpa	0.86	PP dark blue* PP natural
1006010429	WD10A-M6P-Dark Blue * YC-032P	M6	3.2mm OD	0.3N·M	4.24kgf	2.84Mpa	1.99Mpa	0.88	PP dark blue* PP natural
<b>Beige Blue</b>									
1006010390	WD10A-28P-Beige Blue * YC-016P	1/4-28UNF	1.6mm OD	0.3N·M	1.41kgf	6.35Mpa	4.45Mpa	0.88	PP beige blue* PP natural
1006010391	WD10A-28P-Beige Blue * YC-020P	1/4-28UNF	2.0mm OD	0.3N·M	1.81kgf	6.11Mpa	4.28Mpa	0.76	PP beige blue* PP natural
1006010392	WD10A-28P-Beige Blue * YC-025P	1/4-28UNF	2.5mm OD	0.3N·M	2.94kgf	5.27Mpa	3.69Mpa	0.78	PP beige blue* PP natural
1006010393	WD10A-28P-Beige Blue * YC-030P	1/4-28UNF	3.0mm OD	0.3N·M	3.32kgf	5.07Mpa	3.55Mpa	0.75	PP beige blue* PP natural
1006010394	WD10A-28P-Beige Blue * YC-032P	1/4-28UNF	3.2mm OD	0.3N·M	4.82kgf	4.79Mpa	3.35Mpa	0.73	PP beige blue* PP natural
1006010430	WD10A-M6P-Beige Blue * YC-016P	M6	1.6mm OD	0.3N·M	1.12kgf	5.28Mpa	3.70Mpa	0.91	PP beige blue* PP natural
1006010431	WD10A-M6P-Beige Blue * YC-020P	M6	2.0mm OD	0.3N·M	1.14kgf	5.41Mpa	3.79Mpa	0.82	PP beige blue* PP natural
1006010432	WD10A-M6P-Beige Blue * YC-025P	M6	2.5mm OD	0.3N·M	1.32kgf	4.33Mpa	3.03Mpa	0.84	PP beige blue* PP natural
1006010443	WD10A-M6P-Beige Blue * YC-030P	M6	3.0mm OD	0.3N·M	2.82kgf	5.17Mpa	3.62Mpa	0.84	PP beige blue* PP natural
1006010444	WD10A-M6P-Beige Blue * YC-032P	M6	3.2mm OD	0.3N·M	3.95kgf	4.71Mpa	3.30Mpa	0.88	PP beige blue* PP natural
<b>Grass Green</b>									
1006010395	WD10A-28P-Grass Green * YC-016P	1/4-28UNF	1.6mm OD	0.3N·M	1.15kgf	6.40Mpa	4.48Mpa	0.79	PP grass green* PP natural
1006010396	WD10A-28P-Grass Green * YC-020P	1/4-28UNF	2.0mm OD	0.3N·M	1.51kgf	6.00Mpa	4.20Mpa	0.84	PP grass green* PP natural
1006010397	WD10A-28P-Grass Green * YC-025P	1/4-28UNF	2.5mm OD	0.3N·M	2.39kgf	4.02Mpa	2.81Mpa	0.78	PP grass green* PP natural
1006010398	WD10A-28P-Grass Green * YC-030P	1/4-28UNF	3.0mm OD	0.3N·M	2.59kgf	4.49Mpa	3.14Mpa	0.78	PP grass green* PP natural
1006010399	WD10A-28P-Grass Green * YC-032P	1/4-28UNF	3.2mm OD	0.3N·M	3.95kgf	4.17Mpa	2.92Mpa	0.82	PP grass green* PP natural
1006010445	WD10A-M6P-Grass Green * YC-016P	M6	1.6mm OD	0.3N·M	0.95kgf	6.18Mpa	4.33Mpa	0.90	PP grass green* PP natural
1006010446	WD10A-M6P-Grass Green * YC-020P	M6	2.0mm OD	0.3N·M	1.80kgf	4.59Mpa	3.21Mpa	0.87	PP grass green* PP natural
1006010447	WD10A-M6P-Grass Green * YC-025P	M6	2.5mm OD	0.3N·M	2.14kgf	5.16Mpa	3.61Mpa	0.88	PP grass green* PP natural
1006010448	WD10A-M6P-Grass Green * YC-030P	M6	3.0mm OD	0.3N·M	2.26kgf	4.77Mpa	3.34Mpa	0.85	PP grass green* PP natural
1006010449	WD10A-M6P-Grass Green * YC-032P	M6	3.2mm OD	0.3N·M	1.55kgf	3.15Mpa	2.21Mpa	0.89	PP grass green* PP natural



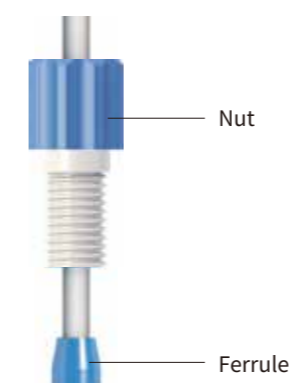
### ★ Application Note

**Step 1.** Slide the nut, followed by the ferrule, at least 3/16" (4.7625mm) from the end of clean cut tubing

**Step 2.** Insert the assembly into the receiving port, pushing the tubing into the port until it bottoms out

**Step 3.** Finger tighten the fittings into the port until snug

**Step 4.** After disassembling, the ferrules should be replaced in next assembly and connection



※ Make sure the ferrule is oriented correctly! The narrow end of the ferrule should towards the nut.

※ Please choose the correct nut model, so that no under-torque or over-torque will occur to affect tube sealing or squeeze tube.

※ Use environment.:

0.11~0.15 N·m—WT ≤0.5mm at room temperature  
0.15~0.20 N·m—WT >0.5mm at room temperature  
0.20~0.25 N·m—Use temperature >100°C, or pressure >8kg



## Pre-torque Flangeless Fitting —two-piece set

◆ Pre-torque flangeless fittings offers a unique system for hand-tight fittings. As the fitting is tightened, the resistance of the cap increases until the correct torque is reached at which point the cap clicks. The user is able to hand-tighten the fittings without tools or guesswork and be confident that the fitting is properly seated, creating a secure seal without damaging the port through over-tightening. The fitting can be unscrewed and reused dozens of times.

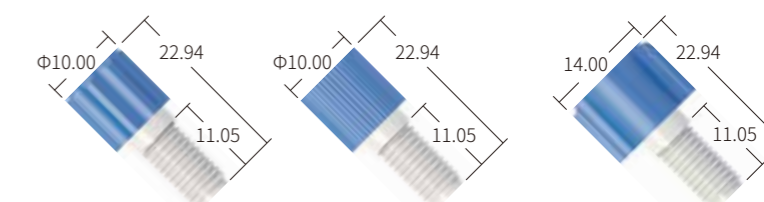
◆ Resistant to chemical corrosion and various organic substances, including PTFE and PP materials

◆ Used for standard rigid tubing OD 1.6/2.0/2.5/3.0/3.2mm, easy and fast installation.

◆ Thread: 1/4-28UNF, M6

◆ REACH, ROHS Certified, Biocompatibility and FDA report available.

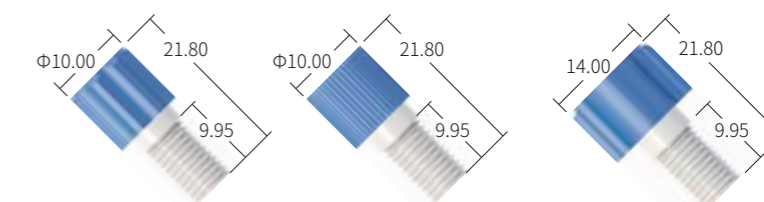
### Nut(mm)



**YJLDZ-HX-28P-S**  
For 1.6/2.0mm OD tube  
Waved

**YJLDZ-YX-28P-S**  
For 1.6/2.0mm OD tube  
Knurled

**YJLDZ-BX-28P-S**  
For 1.6/2.0mm OD tube  
Double-Winged



**YJLDZ-HX-28P**  
For 2.5/3.0/3.2mm OD tube  
Waved

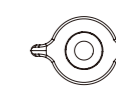
**YJLDZ-YX-28P**  
For 2.5/3.0/3.2mm OD tube  
Knurled

**YJLDZ-BX-28P**  
For 2.5/3.0/3.2mm OD tube  
Double-Winged

Waved

Knurled

Double-Winged



### Ferrule(mm)



**YE-016**  
For 1.6mm OD tube

**YE-020**  
For 2.0mm OD tube

**YC-025**  
For 2.5mm OD tube  
**YC-030**  
For 3.0mm OD tube  
**YC-032**  
For 3.2mm OD tube

SKU	Model No.	Thread	Tube OD	Torque	Pull-off Strength	Rapture Pressure	Pressure Rating	Deformation Degree	Material
<b>Lemon Yellow</b>									
1006010400	WD10A-28P- Lemon Yellow * YC-016P	1/4-28UNF	1.6mm OD	0.3N·M	1.32kgf	5.26Mpa	3.64Mpa	0.9	PP lemon yellow* PP natural
1006010401	WD10A-28P- Lemon Yellow * YC-020P	1/4-28UNF	2.0mm OD	0.3N·M	1.95kgf	4.13Mpa	2.89Mpa	0.81	PP lemon yellow* PP natural
1006010402	WD10A-28P- Lemon Yellow * YC-025P	1/4-28UNF	2.5mm OD	0.3N·M	2.24kgf	5.83Mpa	4.08Mpa	0.85	PP lemon yellow* PP natural
1006010403	WD10A-28P- Lemon Yellow * YC-030P	1/4-28UNF	3.0mm OD	0.3N·M	3.26kgf	4.62Mpa	3.23Mpa	0.79	PP lemon yellow* PP natural
1006010404	WD10A-28P- Lemon Yellow * YC-032P	1/4-28UNF	3.2mm OD	0.3N·M	4.89kgf	4.95Mpa	3.47Mpa	0.84	PP lemon yellow* PP natural
1006010450	WD10A-M6P- Lemon Yellow * YC-016P	M6	1.6mm OD	0.3N·M	0.84kgf	5.83Mpa	4.08Mpa	0.94	PP lemon yellow* PP natural
1006010451	WD10A-M6P- Lemon Yellow * YC-020P	M6	2.0mm OD	0.3N·M	1.24kgf	4.37Mpa	3.06Mpa	0.75	PP lemon yellow* PP natural
1006010452	WD10A-M6P- Lemon Yellow * YC-025P	M6	2.5mm OD	0.3N·M	1.94kgf	4.68Mpa	3.28Mpa	0.83	PP lemon yellow* PP natural
1006010433	WD10A-M6P- Lemon Yellow * YC-030P	M6	3.0mm OD	0.3N·M	2.60kgf	4.55Mpa	3.19Mpa	0.84	PP lemon yellow* PP natural
1006010434	WD10A-M6P- Lemon Yellow * YC-032P	M6	3.2mm OD	0.3N·M	3.62kgf	5.04Mpa	3.52Mpa	0.88	PP lemon yellow* PP natural
<b>Deep Black</b>									
1006010405	WD10A-28P-Deep Black * YC-016P	1/4-28UNF	1.6mm OD	0.3N·M					PP deep black* PP natural
1006010406	WD10A-28P-Deep Black * YC-020P	1/4-28UNF	2.0mm OD	0.3N·M					PP deep black* PP natural
1006010407	WD10A-28P-Deep Black * YC-025P	1/4-28UNF	2.5mm OD	0.3N·M					PP deep black* PP natural
1006010408	WD10A-28P-Deep Black * YC-030P	1/4-28UNF	3.0mm OD	0.3N·M					PP deep black* PP natural
1006010409	WD10A-28P-Deep Black * YC-032P	1/4-28UNF	3.2mm OD	0.3N·M					PP deep black* PP natural
1006010435	WD10A-M6P-Deep Black * YC-016P	M6	1.6mm OD	0.3N·M					PP deep black* PP natural
1006010436	WD10A-M6P-Deep Black * YC-020P	M6	2.0mm OD	0.3N·M					PP deep black* PP natural
1006010437	WD10A-M6P-Deep Black * YC-025P	M6	2.5mm OD	0.3N·M					PP deep black* PP natural
1006010438	WD10A-M6P-Deep Black * YC-030P	M6	3.0mm OD	0.3N·M					PP deep black* PP natural
1006010439	WD10A-M6P-Deep Black * YC-032P	M6	3.2mm OD	0.3N·M					PP deep black* PP natural
<b>Dark Brown</b>									
1006010410	WD10A-28P-Dark Brown * YC-016P	1/4-28UNF	1.6mm OD	0.3N·M					PP dark brown* PP natural
1006010411	WD10A-28P-Dark Brown * YC-020P	1/4-28UNF	2.0mm OD	0.3N·M					PP dark brown* PP natural
1006010412	WD10A-28P-Dark Brown * YC-025P	1/4-28UNF	2.5mm OD	0.3N·M					PP dark brown* PP natural
1006010413	WD10A-28P-Dark Brown * YC-030P	1/4-28UNF	3.0mm OD	0.3N·M					PP dark brown* PP natural
1006010414	WD10A-28P-Dark Brown * YC-032P	1/4-28UNF	3.2mm OD	0.3N·M					PP dark brown* PP natural
1006010440	WD10A-M6P-Dark Brown * YC-016P	M6	1.6mm OD	0.3N·M					PP dark brown* PP natural
1006010441	WD10A-M6P-Dark Brown * YC-020P	M6	2.0mm OD	0.3N·M					PP dark brown* PP natural
1006010442	WD10A-M6P-Dark Brown * YC-025P	M6	2.5mm OD	0.3N·M					PP dark brown* PP natural
1006010453	WD10A-M6P-Dark Brown * YC-030P	M6	3.0mm OD	0.3N·M					PP dark brown* PP natural
1006010454	WD10A-M6P-Dark Brown * YC-032P	M6	3.2mm OD	0.3N·M					PP dark brown* PP natural



**Related Products**

▶ Please refer to page 89-90FEP/PTFE Tube to achieve connection with rigid tube

SKU	Model (ID*OD)	Note
1005040001	TFLG00001 (0.8*1.6)	FEP Transparent
1005040002	TFLG00002 (1*2)	FEP Transparent
1005040003	TFLG00003 (1.5*2.5)	FEP Transparent
1005040004	TFLG00004 (2*3)	FEP Transparent
1005040005	TFLG00005 (2.175*3.175)	FEP Transparent

▶ It is recommended to purchase the handtighten tooling. The handle is designed to be longer and larger, with a larger force area, it is easier to tighten fittings in tight spaces.

SKU	Model No.	Note
1006020073	SNGZ-HX	For Waved nut head pre-torque flangeless nut
1006020074	SNGZ-YJLDZ-YX	For Knurled nut head pre-torque flangeless nut

SKU	Model No.	Thread	Tube OD	Torque Range	Pull-off Strength	Rapture Pressure	Pressure Rating	Deformation Degree	Material
WF10A/WD10A									
1006020075	YJLDZ-HX-28P-S(011/015) *YE-016P	1/4-28UNF	1.6mm OD	0.11-0.15 N·m	1.92 kgf	8.03 Mpa	5.62 Mpa	0.78	PP natural (blue handle) *PP natural
1006020076	YJLDZ-HX-28P-S(011/015) *YE-020P	1/4-28UNF	2.0mm OD	0.11-0.15 N·m	2.42 kgf	7.30 Mpa	5.11 Mpa	0.67	PP natural (blue handle) *PP natural
1006020077	YJLDZ-HX-28P(011/015) *YC-025P	1/4-28UNF	2.5mm OD	0.11-0.15 N·m	2.50 kgf	4.07 Mpa	2.89 Mpa	0.82	PP natural (blue handle) *PP natural
1006020078	YJLDZ-HX-28P(011/015) *YC-030P	1/4-28UNF	3.0mm OD	0.11-0.15 N·m	3.02 kgf	3.91 Mpa	2.74 Mpa	0.8	PP natural (blue handle) *PP natural
1006020079	YJLDZ-HX-28P(011/015) *YC-032P	1/4-28UNF	3.2mm OD	0.11-0.15 N·m	2.57 kgf	4.35 Mpa	3.05 Mpa	0.87	PP natural (blue handle) *PP natural
1006020080	YJLDZ-HX-28E-S(011/015) *YE-016A	1/4-28UNF	1.6mm OD	0.11-0.15 N·m	1.84 kgf	7.42 Mpa	5.19 Mpa	0.71	PTFE natural (blue handle) *PFA natural
1006020081	YJLDZ-HX-28E-S(011/015) *YE-020A	1/4-28UNF	2.0mm OD	0.11-0.15 N·m	1.88 kgf	8.75 Mpa	5.96 Mpa	0.73	PTFE natural (blue handle) *PFA natural
1006020082	YJLDZ-HX-28E(011/015) *YC-025A	1/4-28UNF	2.5mm OD	0.11-0.15 N·m	2.22 kgf	6.45 Mpa	4.52 Mpa	0.81	PTFE natural (blue handle) *PFA natural
1006020083	YJLDZ-HX-28E(011/015) *YC-030A	1/4-28UNF	3.0mm OD	0.11-0.15 N·m	2.60 kgf	4.93 Mpa	3.45 Mpa	0.81	PTFE natural (blue handle) *PFA natural
1006020084	YJLDZ-HX-28E(011/015) *YC-032A	1/4-28UNF	3.2mm OD	0.11-0.15 N·m	3.77 kgf	5.97 Mpa	4.18 Mpa	0.88	PTFE natural (blue handle) *PFA natural
1006020085	YJLDZ-HX-06E-S(011/015) *YE-016A	M6	1.6mm OD	0.11-0.15 N·m	2.06 kgf	8.84 Mpa	6.19 Mpa	0.71	PTFE natural (blue handle) *PFA natural
1006020086	YJLDZ-HX-06E-S(011/015) *YE-020A	M6	2.0mm OD	0.11-0.15 N·m	2.06 kgf	7.45 Mpa	5.22 Mpa	0.7	PTFE natural (blue handle) *PFA natural
1006020087	YJLDZ-HX-06E(011/015) *YC-025A	M6	2.5mm OD	0.11-0.15 N·m	2.16 kgf	6.15 Mpa	4.31 Mpa	0.82	PTFE natural (blue handle) *PFA natural
1006020088	YJLDZ-HX-06E(011/015) *YC-030A	M6	3.0mm OD	0.11-0.15 N·m	2.32 kgf	5.23 Mpa	3.66 Mpa	0.8	PTFE natural (blue handle) *PFA natural
1006020089	YJLDZ-HX-06E(011/015) *YC-032A	M6	3.2mm OD	0.11-0.15 N·m	3.48 kgf	5.46 Mpa	3.82 Mpa	0.79	PTFE natural (blue handle) *PFA natural

Note: If the above specification does not have the connector combination you need, please contact us for customisation



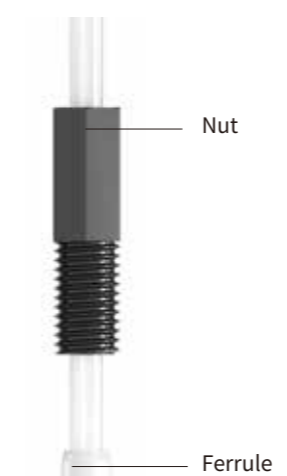
**Application Note**

**Step 1.** Slide the nut, followed by the ferrule, at least 3/16" (4.7625mm) from the end of clean cut tubing

**Step 2.** Insert the assembly into the receiving port, pushing the tubing into the port until it bottoms out

**Step 3.** Finger tighten the fittings into the port until snug

**Step 4.** After disassembling, the ferrules should be replaced in next assembly and connection



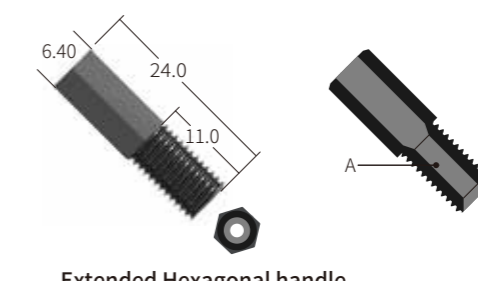
※ Make sure the ferrule is oriented correctly! The narrow end of the ferrule should towards the nut.

**Anti-Twist Flangeless Fitting —two-piece set**

- ◆ The flangeless nut and ferrule are one to one, the rigid tubing does not follow the rotation during screwing nut, which effectively eliminates the loosening of the fitting caused by the twisting of the tube and keeps it tight even when it is vibrating.
- ◆ Standard fittings with straight threads, which are tool-free and durable. Simply slide the nut and ferrule on the tube, screwing them into the tube. The fittings need to use with ferrule.
- ◆ Anti chemical corrosion and various organic compounds, the nut includes materials such as PP, PTFE, POM, and is equipped with PPS material for rings; Flangeless nut PPS material, matched with Lock ring SUS316L stainless steel
- ◆ Used for standard rigid tubing OD 1.6/2.0/2.5/3.0/3.2mm, easy and fast installation.
- ◆ Thread: 1/4-28UNF
- ◆ REACH and RoHS Certified reports available.

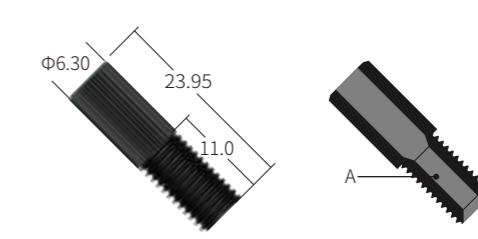
**Nut(mm)**

Unit: mm



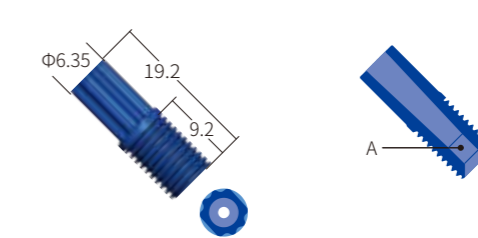
Extended Hexagonal handle

- WF16EL-28S-black**  
A=Φ1.67, For 1.6mm OD tube
- WF06EL-28S-black**  
A=Φ2.07, For 2.0mm OD tube
- WD16EL-28S-black**  
A=Φ2.57, For 2.5mm OD tube
- WD36EL-28S-black**  
A=Φ3.07, For 3.0mm OD tube
- WD06EL-28S-black**  
A=Φ3.22, For 3.2mm OD tube



Extended compact handle

- WF16BL-28S-black**  
A=Φ1.67, For 1.6mm OD tube
- WF20BL-28S-black**  
A=Φ2.07, For 2.0mm OD tube
- WD25BL-28S-black**  
A=Φ2.57, For 2.5mm OD tube
- WD30BL-28S-black**  
A=Φ3.07, For 3.0mm OD tube
- WD32BL-28S-black**  
A=Φ3.30, For 3.2mm OD tube



Flower shaped handle

- WF16H**  
A=Φ1.67, For 1.6mm OD tube
- WF20H**  
A=Φ2.07, For 2.0mm OD tube
- WD25H**  
A=Φ2.57, For 2.5mm OD tube
- WD30H**  
A=Φ3.07, For 3.0mm OD tube
- WD32H**  
A=Φ3.30, For 3.2mm OD tube

PEEK Fitting  
Threaded Fitting  
Barb-to-Thread Adapter  
Barbed Connector  
Tubing

PEEK Fitting  
Threaded Fitting  
Barb-to-Thread Adapter  
Barbed Connector  
Tubing

**Related Products**

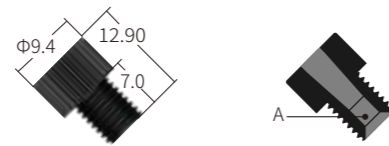
▶ Please refer to page 75-76 FEP/PTFE Tube to achieve connection with rigid tube

SKU	Model (ID*OD)	Note
1005040001	TFLG00001 (0.8*1.6)	FEP Transparent
1005040002	TFLG00002 (1*2)	FEP Transparent
1005040003	TFLG00003 (1.5*2.5)	FEP Transparent
1005040004	TFLG00004 (2*3)	FEP Transparent
1005040005	TFLG00005 (2.175*3.175)	FEP Transparent

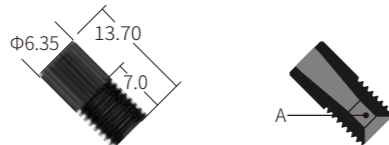
▶ It is recommended to buy torque tooling, the handle part is designed to be longer and larger, the force area is bigger, easy to fasten the rigid tube joint located in a small space



SKU	Model No.	Note
1011010100	SNGZ-1-X	Suitable for Anti-Twist Flangeless Nut-Compact handle/Short compact handle
1006010472	SNGZ-10-1	Suitable for Anti-Twist Flangeless Nut-Hexagonal handle
1066080014	13*42	Strong magnetic sleeve
1006010489	SNGZ-11-X	Suitable for Anti-Twist Flangeless Nut-Short conventional handle
1066080004	10*42	Strong magnetic sleeve
1066080003	N20LTDK	Torque detector



**Short conventional handle**

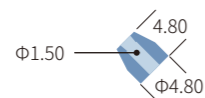


**Short and compact handle**

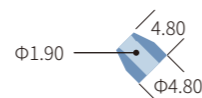
- WF16G**  
A=Φ1.67, For 1.6mm OD tube
- WF20G**  
A=Φ2.07, For 2.0mm OD tube
- WD25G**  
A=Φ2.57, For 2.5mm OD tube
- WD30G**  
A=Φ3.07, For 3.0mm OD tube
- WD32G**  
A=Φ3.30, For 3.2mm OD tube

- WF16B**  
A=Φ1.67, For 1.6mm OD tube
- WF20B**  
A=Φ2.07, For 2.0mm OD tube
- WD25B**  
A=Φ2.57, For 2.5mm OD tube
- WD30B**  
A=Φ3.07, For 3.0mm OD tube
- WD32B**  
A=Φ3.30, For 3.2mm OD tube

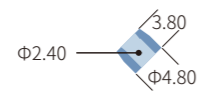
**Ferrule(mm)**



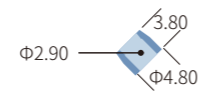
**YF-016**  
For 1.6mm OD tube



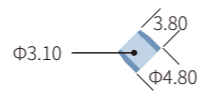
**YF-020**  
For 2.0mm OD tube



**YD-025**  
For 2.5mm OD tube



**YD-030**  
For 3.0mm OD tube



**YD-032**  
For 3.2mm OD tube

SKU	Model No.	Thread	Tube OD	Torque	Pull-off Strength	Rapture pressure	Pressure Rating	Deformation Degree	Material
<b>Anti-Twist Flangeless Fitting-Two-piece Set - Extended Hexagonal handle</b>									
1006010467	WF16EL-28S-Black * YF-016F	1/4-28UNF	1.6mm OD	0.3·N·M	2.58kgf	10.77Mpa	7.54Mpa	0.8	PPS black*ETFE natural
1006010469	WF06EL-28S-Black * YF-020F	1/4-28UNF	2.0mm OD	0.3·N·M	4.90kgf	5.69Mpa	3.98Mpa	0.795	PPS black*ETFE natural
1006010470	WD16EL-28S-Black * YD-025F	1/4-28UNF	2.5mm OD	0.3·N·M	3.06kgf	11.41Mpa	7.99Mpa	0.7	PPS black*ETFE natural
1006010468	WD36EL-28S-Black * YD-030F	1/4-28UNF	3.0mm OD	0.3·N·M	2.52kgf	7.83Mpa	5.48Mpa	0.845	PPS black*ETFE natural
1006010471	WD06EL-28S-Black * YD-032F	1/4-28UNF	3.2mm OD	0.3·N·M	6.15kgf	8.560Mpa	5.99Mpa	0.71	PPS black*ETFE natural
<b>Anti-Twist Flangeless Fitting-Two-piece Set - Extended compact handle</b>									
1006010478	WF16BL-28S-Black * YF-016F	1/4-28UNF	1.6mm OD	0.3·N·M	1.39kgf	11.81Mpa	8.28Mpa	0.8	PPS black*ETFE natural
1006010479	WF20BL-28S-Black * YF-020F	1/4-28UNF	2.0mm OD	0.3·N·M	1.72kgf	12.3Mpa	8.61Mpa	0.72	PPS black*ETFE natural
1006010480	WD25BL-28S-Black * YD-025F	1/4-28UNF	2.5mm OD	0.3·N·M	1.85kgf	6.66Mpa	4.66Mpa	0.8	PPS black*ETFE natural
1006010481	WD30BL-28S-Black * YD-030F	1/4-28UNF	3.0mm OD	0.3·N·M	2.34kgf	5.42Mpa	3.79Mpa	0.78	PPS black*ETFE natural
1006010482	WD32BL-28S-Black * YD-032F	1/4-28UNF	3.2mm OD	0.3·N·M	4.19kgf	8.79Mpa	6.15Mpa	0.79	PPS black*ETFE natural
<b>Anti-Twist Flangeless Fitting-Two-piece Set - Flower shaped handle</b>									
1006010530	WF16H-28P-Dark Blue+YF-016F	1/4-28UNF	1.6mm OD	—	—	—	—	—	PP dark blue+ETFE natural
1006010531	WF20H-28P-Dark Blue+YF-020F	1/4-28UNF	2.0mm OD	—	—	—	—	—	PP dark blue+ETFE natural
1006010532	WD25H-28P-Dark Blue+YD-025F	1/4-28UNF	2.5mm OD	—	—	—	—	—	PP dark blue+ETFE natural
1006010533	WD30H-28P-Dark Blue+YD-030F	1/4-28UNF	3.0mm OD	—	—	—	—	—	PP dark blue+ETFE natural
1006010534	WD32H-28P-Dark Blue+YD-032F	1/4-28UNF	3.2mm OD	—	—	—	—	—	PP dark blue+ETFE natural
1006010535	WF16H-M6P-Beige Blue+YF-016F	M6	1.6mm OD	—	—	—	—	—	PP beige blue+ETFE natural
1006010536	WF20H-M6P-Beige Blue+YF-020F	M6	2.0mm OD	—	—	—	—	—	PP beige blue+ETFE natural
1006010537	WD25H-M6P-Beige Blue+YD-025F	M6	2.5mm OD	—	—	—	—	—	PP beige blue+ETFE natural
1006010538	WD30H-M6P-Beige Blue+YD-030F	M6	3.0mm OD	—	—	—	—	—	PP beige blue+ETFE natural
1006010539	WD32H-M6P-Beige Blue+YD-032F	M6	3.2mm OD	—	—	—	—	—	PP beige blue+ETFE natural
<b>Anti-Twist Flangeless Fitting-Two-piece Set - Short conventional handle</b>									
1006010500	WF16G-28S-Black +YF-016F	1/4-28UNF	1.6mm OD	—	—	—	—	—	PPS black*ETFE natural
1006010501	WF20G-28S-Black +YF-020F	1/4-28UNF	2.0mm OD	—	—	—	—	—	PPS black*ETFE natural
1006010502	WD25G-28S-Black +YD-025F	1/4-28UNF	2.5mm OD	—	—	—	—	—	PPS black*ETFE natural
1006010503	WD30G-28S-Black +YD-030F	1/4-28UNF	3.0mm OD	—	—	—	—	—	PPS black*ETFE natural
1006010504	WD32G-28S-Black +YD-032F	1/4-28UNF	3.2mm OD	—	—	—	—	—	PPS black*ETFE natural
1006010505	WF16G-M6S-Black +YF-016F	M6	1.6mm OD	—	—	—	—	—	PPS black*ETFE natural
1006010506	WF20G-M6S-Black +YF-020F	M6	2.0mm OD	—	—	—	—	—	PPS black*ETFE natural
1006010507	WD25G-M6S-Black +YD-025F	M6	2.5mm OD	—	—	—	—	—	PPS black*ETFE natural
1006010508	WD30G-M6S-Black +YD-030F	M6	3.0mm OD	—	—	—	—	—	PPS black*ETFE natural
1006010509	WD32G-M6S-Black +YD-032F	M6	3.2mm OD	—	—	—	—	—	PPS black*ETFE natural
<b>Anti-Twist Flangeless Fitting-Two-piece Set - Short and compact handle</b>									
1006010490	WF16B-28S-Black +YF-016F	1/4-28UNF	1.6mm OD	—	—	—	—	—	PPS black*ETFE natural
1006010491	WF20B-28S-Black +YF-020F	1/4-28UNF	2.0mm OD	—	—	—	—	—	PPS black*ETFE natural
1006010492	WD25B-28S-Black +YD-025F	1/4-28UNF	2.5mm OD	—	—	—	—	—	PPS black*ETFE natural
1006010493	WD30B-28S-Black +YD-030F	1/4-28UNF	3.0mm OD	—	—	—	—	—	PPS black*ETFE natural
1006010494	WD32B-28S-Black +YD-032F	1/4-28UNF	3.2mm OD	—	—	—	—	—	PPS black*ETFE natural
1006010495	WF16B-M6S-Black +YF-016F	M6	1.6mm OD	—	—	—	—	—	PPS black*ETFE natural
1006010496	WF20B-M6S-Black +YF-020F	M6	2.0mm OD	—	—	—	—	—	PPS black*ETFE natural
1006010497	WD25B-M6S-Black +YD-025F	M6	2.5mm OD	—	—	—	—	—	PPS black*ETFE natural
1006010498	WD30B-M6S-Black +YD-030F	M6	3.0mm OD	—	—	—	—	—	PPS black*ETFE natural
1006010499	WD32B-M6S-Black +YD-032F	M6	3.2mm OD	—	—	—	—	—	PPS black*ETFE natural

\*Please refer to the notes at the bottom of page 7 for the definitions of Pull-off force, Rapture value, and Pressure rating.



## Flangeless Fitting

### —three-piece set

- ◆ Standard fittings with straight threads, which are tool-free and durable. Need to use with ETFE ferrule and stainless steel sleeve.
- ◆ With stainless steel sleeves, the rigid tube does not follow the rotation during screwing flangeless nut. Effectively eliminating the loose fittings in the tube caused by twisting, can be tightened even when vibrating.
- ◆ Suitable for pre assembling tubelines and situations that often require disconnection.
- ◆ Used for standard rigid tubing OD 1.6/2.0/2.5/3.0/3.2mm, easy and fast installation.
- ◆ Thread: 1/4-28UNF.

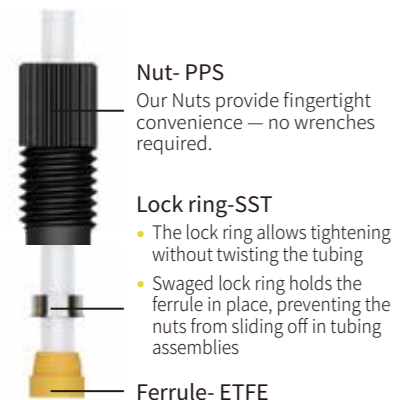
◆ REACH and RoHS Certified.

### ★ Application Note

**Step 1.** Slide the PEEK nut, followed by the 316 SST sleeve and ETFE ferrule, at least 3/16" (4.7625mm) from the end of clean cut tubing

**Step 2.** Insert the assembly into the receiving port, pushing the tubing into the port until it bottoms out

**Step 3.** Finger tighten the fittings into the port until snug



**Nut- PPS**  
Our Nuts provide fingertight convenience — no wrenches required.

**Lock ring-SST**

- The lock ring allows tightening without twisting the tubing
- Swaged lock ring holds the ferrule in place, preventing the nuts from sliding off in tubing assemblies

**Ferrule- ETFE**

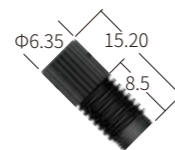
※ Make sure the locking ring is oriented correctly! The flattened end of the ring should face towards the nut with the narrow end of the ferrule towards the ring.

### 🔗 Related Products

▶ Please refer to page 83-84 FEP/PTFE Tube to achieve connection with rigid tube

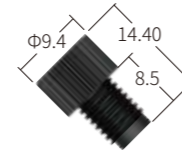
SKU	Model (ID*OD)	Note
1005040001	TFLG00001 (0.8*1.6)	FEP transparent
1005040002	TFLG00002 (1*2)	FEP transparent
1005040003	TFLG00003 (1.5*2.5)	FEP transparent
1005040004	TFLG00004 (2*3)	FEP transparent
1005040005	TFLG00005 (2.175*3.175)	FEP transparent

### Nut(mm)



**WF01B-28S-black**  
For 1.6/2.0mm OD tube

**WD01B-28S-black**  
For 2.5/3.0/3.2mm OD tube



**WF03G-28S-black**  
For 1.6/2.0mm OD tube

**WD03G-28S-black**  
For 2.5/3.0/3.2mm OD tube

### Lock Ring(mm)



**KCF-038SUS316**  
For 1.6/2.0mm OD tube



**KCF-045SUS316**  
For 2.5/3.0/3.2mm OD tube

### Ferrule(mm)



**YE-016F**  
For 1.6mm OD tube

**YE-020F**  
For 2.0mm OD tube



**YK-025F**  
For 2.5mm OD tube

**YK-030F**  
For 3.0mm OD tube

**YK-032F**  
For 3.2mm OD tube

### 🔗 Related Products

▶ It is recommended to purchase the handtighten tooling. The handle is designed to be longer and larger, with a larger force area, it is easier to tighten fittings in tight spaces

SKU	Model No.	Note
1011010100	SNGZ-1-X	Suitable for WF01B, WD01B
1066080004	10*42	Strong magnetic sleeve
1006010489	SNGZ-11-X	Suitable for WF03G, WD03G
1066080014	13*42	Strong magnetic sleeve
1066080003	N20LTDK	Torque detector

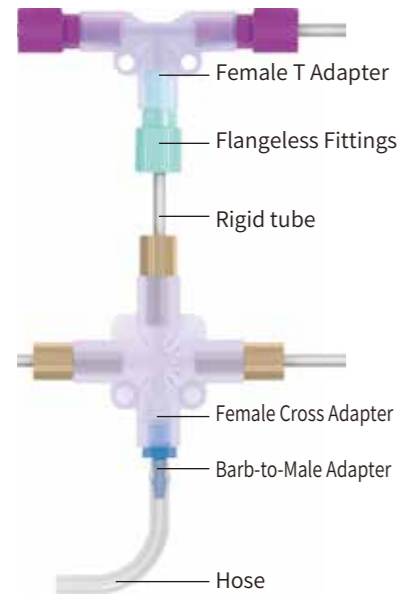
SKU	Model No.	Thread	Tube OD	Torque	Pull-off Strength	Rapture pressure	Pressure Rating	Deformation Degree	Material
<b>WF01B/WD01B</b>									
1006010550	WF01B-28S-Black+YE-016F+KCF-038SUS316	1/4-28UNF	1.6mm OD	0.3N·m	2.18kgf	10.32Mpa	7.22Mpa	0.71	PPS+ETFE+SUS316
1006010551	WF01B-28S-Black+YE-020F+KCF-038SUS316	1/4-28UNF	2.0mm OD	0.3N·m	2.55kgf	8.54Mpa	5.99Mpa	0.76	PPS+ETFE+SUS316
1006010552	WD01B-28S-Black+YK-025F+KCF-045SUS316	1/4-28UNF	2.5mm OD	0.3N·m	2.95kgf	7.60Mpa	5.32Mpa	0.75	PPS+ETFE+SUS316
1006010553	WD01B-28S-Black+YK-030F+KCF-045SUS316	1/4-28UNF	3.0mm OD	0.3N·m	4.24kgf	5.80Mpa	4.06Mpa	0.76	PPS+ETFE+SUS316
1006010554	WD01B-28S-Black+YK-032F+KCF-045SUS316	1/4-28UNF	3.2mm OD	0.3N·m	4.20kgf	6.49Mpa	4.54Mpa	0.75	PPS+ETFE+SUS316
<b>WF03G/WD03G</b>									
1006010555	WF03G-28S-Black+YE-016F+KCF-038SUS316	1/4-28UNF	1.6mm OD	0.3N·m	—	—	—	—	PPS+ETFE+SUS316
1006010556	WF03G-28S-Black+YE-020F+KCF-038SUS316	1/4-28UNF	2.0mm OD	0.3N·m	—	—	—	—	PPS+ETFE+SUS316
1006010557	WD03G-28S-Black+YK-025F+KCF-045SUS316	1/4-28UNF	2.5mm OD	0.3N·m	3.18kgf	6.88Mpa	4.81Mpa	0.73	PPS+ETFE+SUS316
1006010558	WD03G-28S-Black+YK-030F+KCF-045SUS316	1/4-28UNF	3.0mm OD	0.3N·m	4.05kgf	5.87Mpa	4.11Mpa	0.76	PPS+ETFE+SUS316
1006010559	WD03G-28S-Black+YK-032F+KCF-045SUS316	1/4-28UN	3.2mm OD	0.3N·m	4.32kgf	7.42Mpa	5.19Mpa	0.75	PPS+ETFE+SUS316



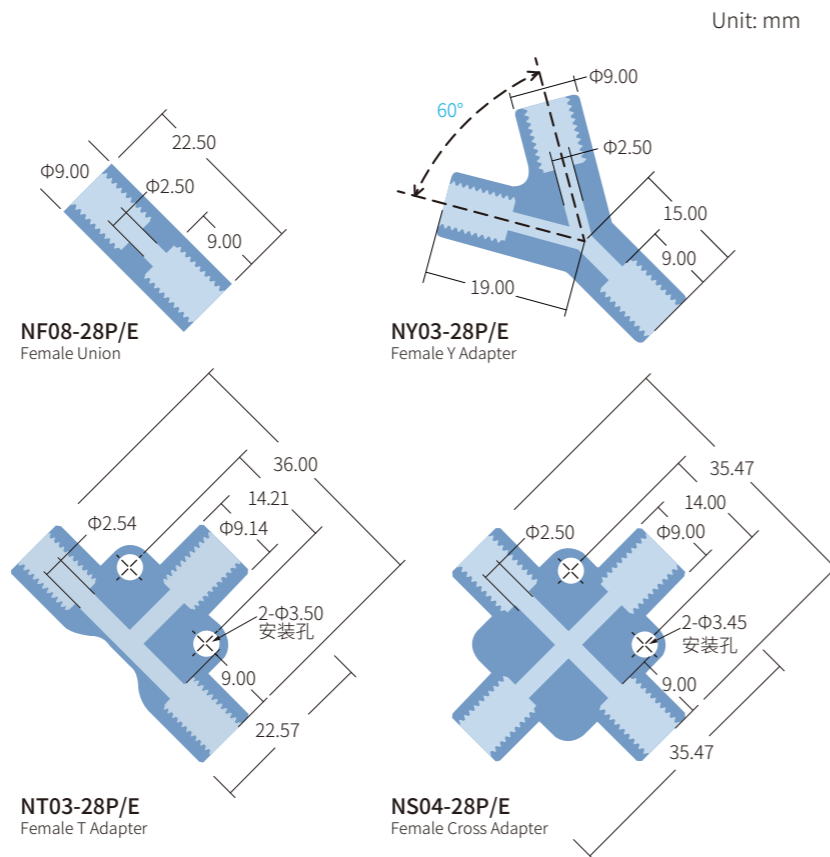
## Female Thread Adapter

- ◆ Standard threads and curvature, no gap, no wobble and good sealing with the corresponding threads
- ◆ Imported raw material, non-toxic, tasteless, heat and corrosion resistant. PP material is widely used in biomedical, environmental protection and food industries; PTFE material is also suitable for chemical industry and other fields
- ◆ Fittings available in PP and PTFE, non-toxic, odourless, heat resistant, resistant to chemicals and organic substances
- ◆ Suitable for standard 1/4-28UNF flat bottom threaded fittings
- ◆ REACH, ROHS Certified, Biocompatibility and FDA report available.

### Application Note



※ Can be connected to 1/4-28 UNF male threaded fittings to allow for any connection between rigid tube and rigid tube, rigid tube and hose, hose and hose of the same or different tube diameters



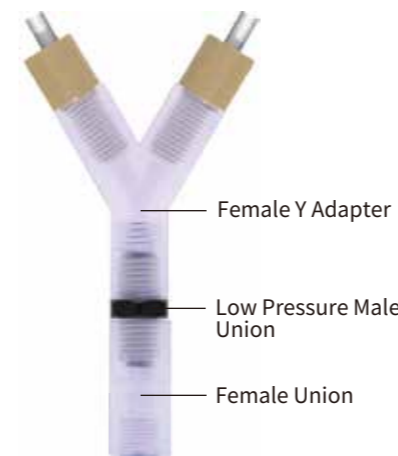
SKU	Model No.	Thread	Material
<b>Female Union</b>			
1006050001	NF08-28P	1/4-28UNF female thread	PP natural
1006050002	NF08-28E	1/4-28UNF female thread	PTFE natural
<b>Female Y Adapter</b>			
1006070001	NY03-28P	1/4-28UNF female thread	PP natural
1006070002	NY03-28E	1/4-28UNF female thread	PTFE natural
<b>Female T Adapter</b>			
1006060001	NT03-28P	1/4-28UNF female thread	PP natural
1006060002	NT03-28E	1/4-28UNF female thread	PTFE natural
<b>Female Cross Adapter</b>			
1006080001	NS04-28P	1/4-28UNF female thread	PP natural
1006080002	NS04-28E	1/4-28UNF female thread	PTFE natural



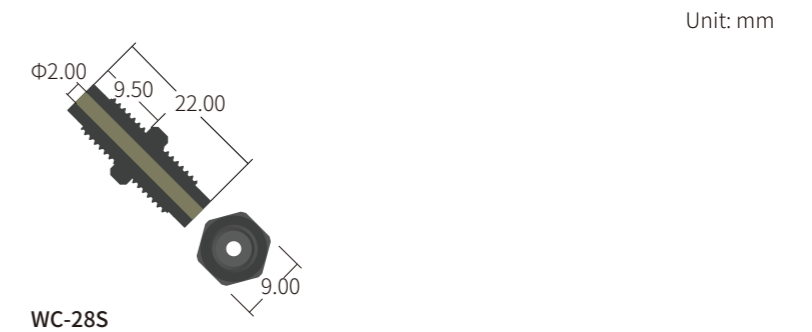
## Low Pressure Male Union

- ◆ Standard threads and curvature, no gap, no wobble and good sealing with the corresponding threads
- ◆ The PPS material has high strength, high toughness, excellent heat and chemical resistance,
- ◆ Suitable temperature range -50°C~150°C
- ◆ Thread: 1/4-28 UNF
- ◆ REACH and RoHS Certified reports available.

### Application Note



※ Can be used with RUNZE female threaded fittings and threaded bulkhead union to achieve connection of different tubes.



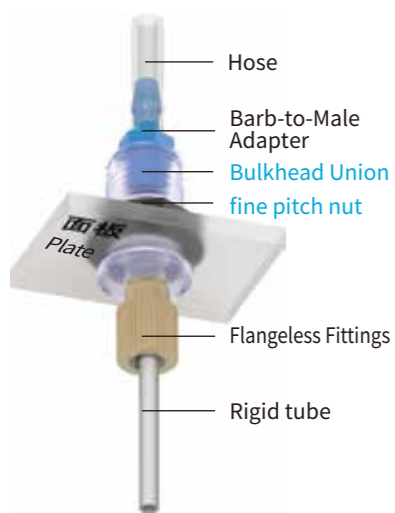
SKU	Model No.	Thread	Material
<b>Low Pressure Male Union</b>			
1006090015	WC-28S	1/4-28UNF	PPS black



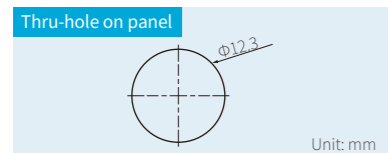
## Bulkhead Two-piece Union

- ◆ Designed to connect internal tubing to the outside through the equipment enclosure; the installation requires the panel to be pre-drilled
- ◆ Interchangeable internal and external threads for leak-free connection with flexible and rigid pipe connection system
- ◆ Fittings are available in PP and PTFE materials, non-toxic, odourless, heat resistant, resistant to chemical corrosion and various organic substances; thin fine pitch nut is available in PPS and PTFE materials
- ◆ Suitable for standard 1/4-28UNF flat bottom threaded fittings
- ◆ REACH, ROHS Certified, Biocompatibility and FDA report available.

### ★ Application Note



※ Panel thickness ≤14mm



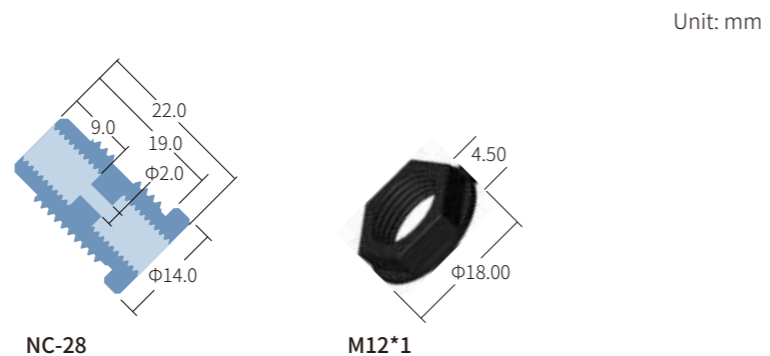
### 🔗 Related Products

▶ It is recommended to purchase a wrench (PPS material) to tighten the hexagonal nut.



SKU	Model No.	Note
1006090016	15mm-S	Bulkhead nut wrench

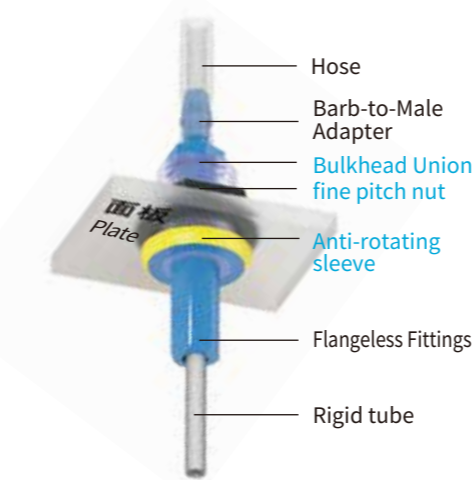
SKU	Model No.	Thread	Material
<b>Bulkhead Two-piece Union</b>			
1006090041	NC-28P * M12*1-S	1/4-28UNF female thread	PP natural * PPS black
1006090042	NC-28P * M12*1-E	1/4-28UNF female thread	PP natura * PTFE natural
1006090043	NC-28E * M12*1-S	1/4-28UNF female thread	PTFE natural * PPS black
1006090044	NC-28E * M12*1-E	1/4-28UNF female thread	PTFE natural * PTFE natural



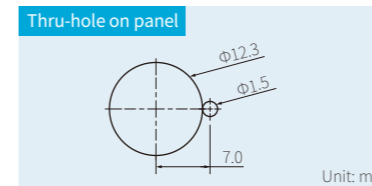
## Bulkhead Three-piece Union

- ◆ Anti-rotation sleeve has been added to prevent fitting from rotation
- ◆ Designed to connect internal tubing to the outside through the equipment enclosure; the installation requires the panel to be pre-drilled
- ◆ Interchangeable internal and external threads for leak-free connection with flexible and rigid pipe connection system
- ◆ Fittings are available in PP and PTFE materials, non-toxic, odourless, heat resistant, resistant to chemical corrosion and various organic substances; thin fine pitch nut is available in PPS and PTFE materials
- ◆ Suitable for standard 1/4-28UNF flat bottom threaded fittings
- ◆ REACH, ROHS Certified, Biocompatibility and FDA report available.

### ★ Application Note



※ Panel thickness ≤9mm



### 🔗 Related Products

▶ It is recommended to purchase a wrench (PPS material) to tighten the hexagonal nut.

SKU	Model No.	Note
1006090016	15mm-S	Bulkhead nut wrench

SKU	Model No.	Thread	Material
<b>Bulkhead Union</b>			
1006090023	NC01-28P * M12*1-S * C12-P- Red	1/4-28UNF female thread	PP natural*PPS black*PP Red
1006090024	NC01-28P * M12*1-S * C12-P- Deep Black	1/4-28UNF female thread	PP natural*PPS black*PP Black
1006090025	NC01-28P * M12*1-S * C12-P- Lemon Yellow	1/4-28UNF female thread	PP natural*PPS black*PP Lemon Yellow
1006090026	NC01-28P * M12*1-S * C12-P- Grass Green	1/4-28UNF female thread	PP natural*PPS black*PP Grass Green
1006090027	NC01-28P * M12*1-S * C12-P- Beige Blue	1/4-28UNF female thread	PP natural*PPS black*PP Beige Blue
1006090028	NC01-28P * M12*1-S * C12-P- Dark Blue	1/4-28UNF female thread	PP natural*PPS black*PP Dark Blue
1006090029	NC01-28P * M12*1-S * C12-P- Deep Purple	1/4-28UNF female thread	PP natural*PPS black*PP Deep Purple
1006090030	NC01-28E * M12*1-E * C12-P- Red	1/4-28UNF female thread	PTFE natural*PTFE natural*PP Red
1006090031	NC01-28E * M12*1-E * C12-P- Deep Black	1/4-28UNF female thread	PTFE natural*PTFE natural*PP Black
1006090032	NC01-28E * M12*1-E * C12-P- Lemon Yellow	1/4-28UNF female thread	PTFE natural*PTFE natural*PP Lemon Yellow
1006090033	NC01-28E * M12*1-E * C12-P- Grass Green	1/4-28UNF female thread	PTFE natural*PTFE natural*PP Grass Green
1006090034	NC01-28E * M12*1-E * C12-P- Beige Blue	1/4-28UNF female thread	PTFE natural*PTFE natural*PP Beige Blue
1006090035	NC01-28E * M12*1-E * C12-P- Dark Blue	1/4-28UNF female thread	PTFE natural*PTFE natural*PP Dark Blue
1006090036	NC01-28E * M12*1-E * C12-P- Deep Purple	1/4-28UNF female thread	PTFE natural*PTFE natural*PP Deep Purple





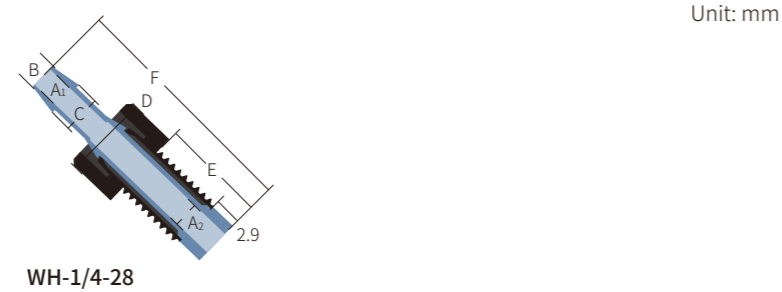


## Anti-twist Barb Adapter



- ◆ Composed of two part: barbed end and thread nut. The barbed insert spins freely from the threaded nut in order to prevent the tubing from twisting during installation
- ◆ Sealing structure: a step plane is left at the end of nut, face-to-face contact sealed by thread extrusion
- ◆ Suitable for standard 1/4-28UNF flat bottom threaded fittings
- ◆ REACH、ROHS Certified, Biocompatibility and FDA report available.

### ★ Application Note



Unit: mm

### 🔗 Related Products

► For suitable hose tubing, please refer to pages 85 to 88

- Rubber tube — page 85
- Viton rubber tube — page 87
- Silicone hoses — page 88

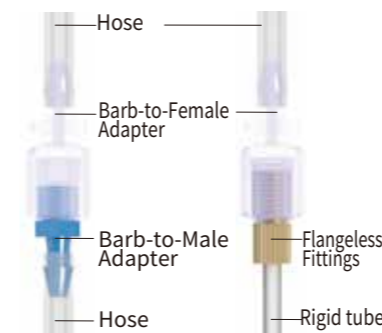
SKU	Model No.	Tubing ID	Thread	Dimension (mm)	Material
<b>Anti-twist Adapter</b>					
1008080001	WH-1/4-28-016L-P	1.0~1.6 mm	1/4-28UNF	A <sub>1</sub> =Φ1.00 A <sub>2</sub> =Φ2.40 B=Φ1.60 C=Φ2.80 D=Φ9.4 E=11.4 F=26.0	PP natural + PPS black
1008080004	WH-1/4-28-024L-P	1.6~2.4 mm	1/4-28UNF	A <sub>1</sub> =Φ1.60 A <sub>2</sub> =Φ2.40 B=Φ2.40 C=Φ3.40 D=Φ9.4 E=11.4 F=26.0	PP natural + PPS black
1008080007	WH-1/4-28-032L-P	2.4~3.2 mm	1/4-28UNF	A <sub>1</sub> =Φ2.40 A <sub>2</sub> =Φ2.80 B=Φ3.20 C=Φ4.20 D=Φ9.4 E=11.4 F=26.0	PP natural + PPS black
1008080002	WH-1/4-28-016L-S	1.0~1.6 mm	1/4-28UNF	A <sub>1</sub> =Φ1.00 A <sub>2</sub> =Φ2.40 B=Φ1.60 C=Φ2.80 D=Φ9.4 E=11.4 F=26.0	PPS natural + PPS black
1008080005	WH-1/4-28-024L-S	1.6~2.4 mm	1/4-28UNF	A <sub>1</sub> =Φ1.60 A <sub>2</sub> =Φ2.40 B=Φ2.40 C=Φ3.40 D=Φ9.4 E=11.4 F=26.0	PPS natural + PPS black
1008080008	WH-1/4-28-032L-S	2.4~3.2 mm	1/4-28UNF	A <sub>1</sub> =Φ2.40 A <sub>2</sub> =Φ2.80 B=Φ3.20 C=Φ4.20 D=Φ9.4 E=11.4 F=26.0	PPS natural + PPS black

## Barb-to-Female Adapter

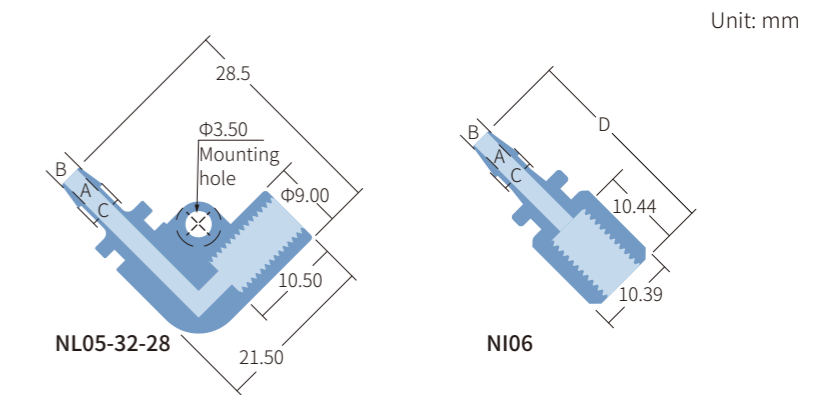


- ◆ For adapter between male thread and hose, for connection between hose and rigid tube.
- ◆ Fittings available in PP and PTFE, non-toxic, odourless, heat resistant, resistant to chemicals and organic substances
- ◆ Suitable for standard 1/4-28UNF flat bottom threaded fittings
- ◆ REACH、ROHS Certified, Biocompatibility and FDA report available.

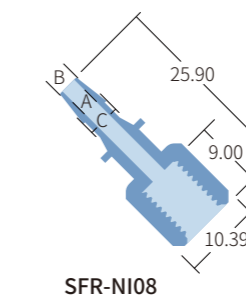
### ★ Application Note



※ Can be used with RUNZE flangeless fitting, flanged fitting and barb-to-male adapter to allow for any connection between rigid tube and rigid tube, rigid tube and hose, hose and hose of the same or different tube diameters



Unit: mm

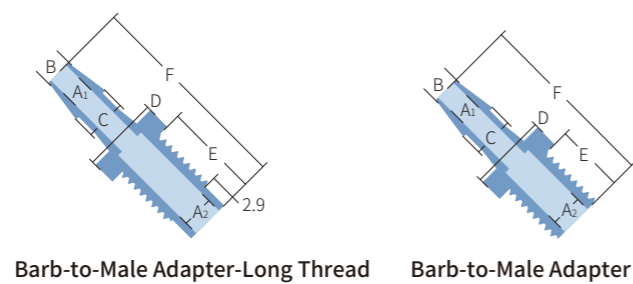
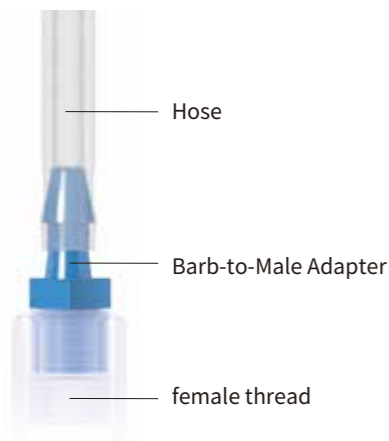


SKU	Model No.	Tubing ID	Thread	Dimension (mm)	Material
<b>Elbow Barb-to-Female Adapter</b>					
1007010001	NL05-32-28P	2.4~3.2 mm	1/4-28UNF	A=Φ2.50 B=Φ3.50 C=Φ4.50	PP natural
1007010002	NL05-32-28E	2.4~3.2 mm	1/4-28UNF	A=Φ2.50 B=Φ3.50 C=Φ4.50	PTFE natural
<b>Straight Barb-to-Female Adapter</b>					
1007020001	NI06-16-28P	1.0~1.6mm	1/4-28UNF	A=Φ0.99 B=Φ1.60 C=Φ2.90 D=27.60	PP natural
1007020002	NI06-16-28E	1.0~1.6mm	1/4-28UNF	A=Φ0.99 B=Φ1.60 C=Φ2.90 D=27.60	PTFE natural
1007020003	NI06-24-28P	1.6~2.4mm	1/4-28UNF	A=Φ1.59 B=Φ2.40 C=Φ3.80 D=27.60	PP natural
1007020004	NI06-24-28E	1.6~2.4mm	1/4-28UNF	A=Φ1.59 B=Φ2.40 C=Φ3.80 D=27.60	PTFE natural
1007020005	NI06-32-28P	2.4~3.2mm	1/4-28UNF	A=Φ1.97 B=Φ3.50 C=Φ4.50 D=27.60	PP natural
1007020006	NI06-32-28E	2.4~3.2mm	1/4-28UNF	A=Φ1.97 B=Φ3.50 C=Φ4.50 D=27.60	PTFE natural
1007020019	NI06-40-28P	3.2~4.0mm	1/4-28UNF	A=Φ2.80 B=Φ4.00 C=Φ5.50 D=26.40	PP natural
1007020021	NI06-40-28E	3.2~4.0mm	1/4-28UNF	A=Φ2.80 B=Φ4.00 C=Φ5.50 D=26.40	PTFE natural
<b>SFR-Straight Barb-to-Female Adapter</b>					
1007020014	SFR-NI08-16-28E	1.6~2.4mm	1/4-28UNF	A=Φ1.50 B=Φ2.50 C=Φ3.80	PTFE natural
1007020016	SFR-NI08-24-28E	2.4~3.2mm	1/4-28UNF	A=Φ2.20 B=Φ3.20 C=Φ4.30	PTFE natural
1007020018	SFR-NI08-32-28E	3.2~4.0mm	1/4-28UNF	A=Φ2.50 B=Φ3.60 C=Φ4.80	PTFE natural

## Barb-to-Male Adapter

- ◆ The hose can be connected to any threaded flat bottom receiving port. Simply screw the fitting into the receiving port and slip the hose over the pagoda end to create a reliable low pressure connection
- ◆ Fittings available in PP, PTFE, non-toxic, odourless, heat resistant, resistant to chemicals and various organic substances
- ◆ Thread : 1/4-28UNF, M8, M10
- ◆ REACH、ROHS Certified,Biocompatibility and FDA report available.

Unit: mm



### Related Products

► For suitable hose tubing, please refer to pages 85to 88

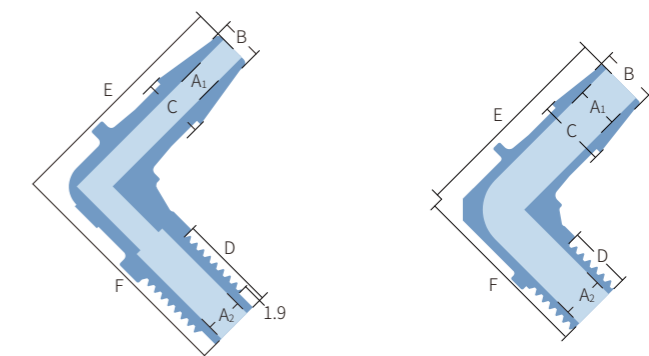
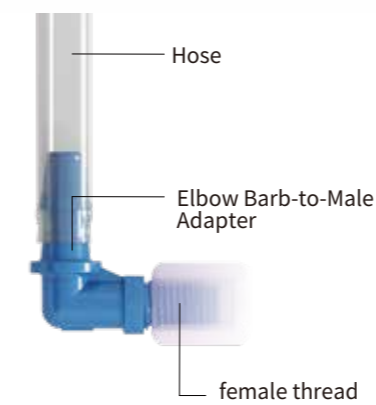
- Rubber tube — page 85
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SKU	Model No.	Tubing ID	Thread	Dimension (mm)							Material
<b>Barb-to-Male Adapter-Long Thread</b>											
1007030008	WZ-016L-PP	1.0~1.6 mm	1/4-28UNF	A <sub>1</sub> =Φ0.99	A <sub>2</sub> =Φ3.50	B=Φ1.60	C=Φ2.90	D=8.49	E=10.5	F=23.16	PP natural
1007030009	WZ-024L-PP	1.6~2.4 mm	1/4-28UNF	A <sub>1</sub> =Φ1.60	A <sub>2</sub> =Φ3.50	B=Φ2.40	C=Φ3.80	D=8.49	E=10.5	F=23.16	PP natural
1007030010	WZ-032L-PP	2.4~3.2 mm	1/4-28UNF	A <sub>1</sub> =Φ2.40	A <sub>2</sub> =Φ3.50	B=Φ3.20	C=Φ4.50	D=8.49	E=10.5	F=23.16	PP natural
1007030011	WZ-040L-PP	3.2~4.0 mm	1/4-28UNF	A <sub>1</sub> =Φ3.50	A <sub>2</sub> =Φ3.50	B=Φ4.20	C=Φ6.00	D=8.49	E=10.5	F=26.76	PP natural
1007030012	WZ-048L-PP	4.0~4.8 mm	1/4-28UNF	A <sub>1</sub> =Φ4.00	A <sub>2</sub> =Φ4.00	B=Φ4.80	C=Φ6.80	D=8.49	E=10.5	F=27.06	PP natural
1007030013	WZ-016L-PTFE	1.0~1.6 mm	1/4-28UNF	A <sub>1</sub> =Φ0.99	A <sub>2</sub> =Φ3.50	B=Φ1.60	C=Φ2.90	D=8.49	E=10.5	F=23.16	PTFE natural
1007030014	WZ-024L-PTFE	1.6~2.4 mm	1/4-28UNF	A <sub>1</sub> =Φ1.60	A <sub>2</sub> =Φ3.50	B=Φ2.40	C=Φ3.80	D=8.49	E=10.5	F=23.16	PTFE natural
1007030015	WZ-032L-PTFE	2.4~3.2 mm	1/4-28UNF	A <sub>1</sub> =Φ2.40	A <sub>2</sub> =Φ3.50	B=Φ3.20	C=Φ4.50	D=8.49	E=10.5	F=23.16	PTFE natural
1007030016	WZ-040L-PTFE	3.2~4.0 mm	1/4-28UNF	A <sub>1</sub> =Φ3.50	A <sub>2</sub> =Φ3.50	B=Φ4.20	C=Φ6.00	D=8.49	E=10.5	F=26.76	PTFE natural
1007030017	WZ-048L-PTFE	4.0~4.8 mm	1/4-28UNF	A <sub>1</sub> =Φ4.00	A <sub>2</sub> =Φ4.00	B=Φ4.80	C=Φ6.80	D=8.49	E=10.5	F=27.06	PTFE natural
<b>Barb-to-Male Adapter</b>											
1007030001	WZ-016-PP	1.0~1.6 mm	1/4-28UNF	A <sub>1</sub> =Φ1.00	A <sub>2</sub> =Φ4.00	B=Φ1.60	C=Φ2.90	D=7.35	E=6	F=18.6	PP natural
1007030003	WZ-024-PP	1.6~2.4 mm	1/4-28UNF	A <sub>1</sub> =Φ1.57	A <sub>2</sub> =Φ4.00	B=Φ2.50	C=Φ3.80	D=8.49	E=6.2	F=18.8	PP natural
1007030004	WZ-032-PP	2.4~3.2 mm	1/4-28UNF	A <sub>1</sub> =Φ2.36	A <sub>2</sub> =Φ4.00	B=Φ3.20	C=Φ4.20	D=8.49	E=6.2	F=18.8	PP natural
1007030018	WZ-040-PP	3.2~4.0 mm	1/4-28UNF	A <sub>1</sub> =Φ2.96	A <sub>2</sub> =Φ3.94	B=Φ4.00	C=Φ6.00	D=8.49	E=6.09	F=19.8	PP natural
1007030005	WZ-048-PP	4.0~4.8 mm	1/4-28UNF	A <sub>1</sub> =Φ3.94	A <sub>2</sub> =Φ4.50	B=Φ4.80	C=Φ6.80	D=8.00	E=6	F=22.5	PP natural
1007030006	M8-064-PP	4.8~6.4 mm	M8	A <sub>1</sub> =Φ5.42	A <sub>2</sub> =Φ5.42	B=Φ6.40	C=Φ8.40	D=11.32	E=8	F=30.1	PP natural
1007030007	M10-087-PP	6.4~8.7 mm	M10	A <sub>1</sub> =Φ7.39	A <sub>2</sub> =Φ7.88	B=Φ8.50	C=Φ10.70	D=13.63	E=10	F=32.6	PP natural

## Elbow Barb-to-Male Adapter

- ◆ Plug-in connectors for easy and convenient hose connection to meet elbow flow path design requirements
- ◆ Fittings available in PP, non-toxic, odourless, heat resistant, resistant to chemicals and various organic substances
- ◆ Radiation sterilisation available
- ◆ Thread : 1/4-28UNF, M8, M10
- ◆ REACH、ROHS Certified,Biocompatibility and FDA report available.

Unit: mm



LWZ-M8-064-PP / LWZ-M10-087-PP

### Related Products

► For suitable hose tubing, please refer to pages 85to 88

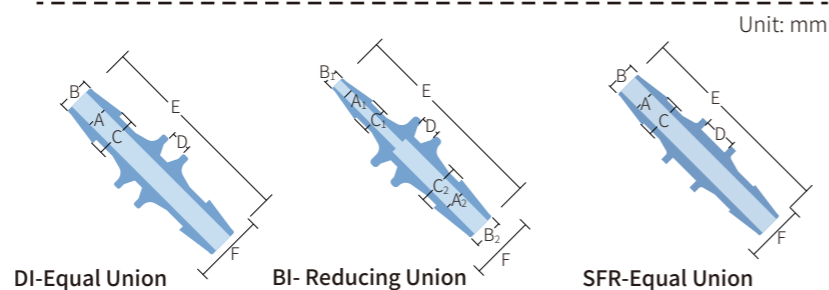
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- Silicone hoses — page 88

SKU	Model No.	Tubing ID	Thread	Dimension (mm)							Material
<b>Elbow Barb-to-Male Adapter</b>											
1007040001	LWZ-016-PP	1.0~1.6 mm	1/4-28UNF	A <sub>1</sub> =Φ1.00	A <sub>2</sub> =Φ3.50	B=Φ1.60	C=Φ3.00	D=9.50	E=15.08	F=20.00	PP natural
1007040002	LWZ-024-PP	1.6~2.4 mm	1/4-28UNF	A <sub>1</sub> =Φ1.60	A <sub>2</sub> =Φ3.50	B=Φ2.40	C=Φ3.80	D=9.50	E=14.88	F=24.40	PP natural
1007040003	LWZ-032-PP	2.4~3.2 mm	1/4-28UNF	A <sub>1</sub> =Φ2.40	A <sub>2</sub> =Φ3.50	B=Φ3.20	C=Φ4.40	D=9.50	E=18.18	F=21.70	PP natural
1007040004	LWZ-040-PP	3.2~4.0 mm	1/4-28UNF	A <sub>1</sub> =Φ2.46	A <sub>2</sub> =Φ3.50	B=Φ4.00	C=Φ6.00	D=9.50	E=22.58	F=23.10	PP natural
1007040005	LWZ-048-PP	4.0~4.8 mm	1/4-28UNF	A <sub>1</sub> =Φ2.96	A <sub>2</sub> =Φ4.00	B=Φ4.80	C=Φ6.80	D=9.50	E=23.08	F=24.00	PP natural
1007040006	LWZ-M8-064-PP	4.8~6.4 mm	M8*1.25	A <sub>1</sub> =Φ4.80	A <sub>2</sub> =Φ5.42	B=Φ6.40	C=Φ8.40	D=8.00	E=31.40	F=24.80	PP natural
1007040007	LWZ-M10-087-PP	6.4~8.7 mm	M10*1.25	A <sub>1</sub> =Φ6.50	A <sub>2</sub> =Φ6.50	B=Φ8.70	C=Φ10.7	D=10.0	E=33.90	F=28.95	PP natural



## Barbed Union

- ◆ Plug-in hose connectors for easy and convenient hose connection
- ◆ PP material, non-toxic, odourless, heat resistant, resistant to chemical corrosion and various organic substances
- ◆ Radiation sterilisation available
- ◆ REACH, ROHS Certified, Biocompatibility and FDA report available.

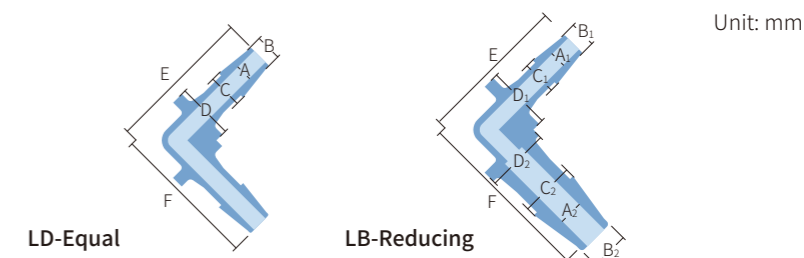
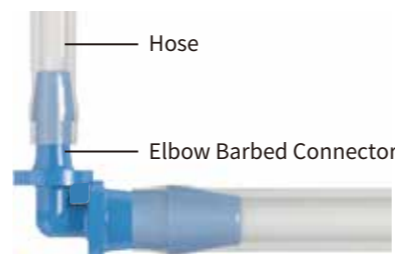


SKU	Model No.	Tubing ID	Dimension (mm)						Material
<b>DI-Equal Union</b>									
1008020001	DI-016	1.0~1.6 mm	A=Φ0.99	B=Φ1.60	C=Φ2.80	D=2.0	E=18	F=Φ7	PP natural
1008020002	DI-024	1.6~2.4 mm	A=Φ1.58	B=Φ2.40	C=Φ3.40	D=2.0	E=20	F=Φ7	PP natural
1008020003	DI-032	2.4~3.2 mm	A=Φ1.97	B=Φ3.20	C=Φ4.20	D=2.0	E=20	F=Φ7	PP natural
1008020004	DI-040	3.2~4.0 mm	A=Φ2.46	B=Φ4.00	C=Φ6.00	D=2.5	E=33.2	F=Φ10	PP natural
1008020005	DI-048	4.0~4.8 mm	A=Φ2.96	B=Φ4.80	C=Φ6.80	D=1.8	E=33.2	F=Φ10	PP natural
1008020006	DI-064	4.8~6.4 mm	A=Φ4.93	B=Φ6.40	C=Φ8.40	D=3.0	E=40	F=Φ14	PP natural
1008020007	DI-087	6.4~8.7 mm	A=Φ6.40	B=Φ8.70	C=Φ10.70	D=3.0	E=40	F=Φ14	PP natural
1008020031	DI-095	8.7~9.5 mm	A=Φ7.00	B=Φ9.50	C=Φ11.60	D=1.6	E=45.40	F=Φ13.2	PP natural
1008020032	DI-127	9.5~12.7 mm	A=Φ9.50	B=Φ12.7	C=Φ14.50	D=1.6	E=54.40	F=Φ15.9	PP natural
<b>BI-Reducing Union</b>									
1008020008	BI-016/024	(1.0~1.6) / (1.6~2.4) mm	A <sub>1</sub> =Φ0.99 A <sub>2</sub> =Φ1.70	B <sub>1</sub> =Φ1.60 B <sub>2</sub> =Φ2.40	C <sub>1</sub> =Φ2.80 C <sub>2</sub> =Φ3.40	D=2.0	E=19.5	F=Φ7	PP natural
1008020009	BI-016/032	(1.0~1.6) / (2.4~3.2) mm	A <sub>1</sub> =Φ0.99 A <sub>2</sub> =Φ1.97	B <sub>1</sub> =Φ1.60 B <sub>2</sub> =Φ3.20	C <sub>1</sub> =Φ2.80 C <sub>2</sub> =Φ4.20	D=2.0	E=21.5	F=Φ7	PP natural
1008020010	BI-024/032	(1.6~2.4) / (2.4~3.2) mm	A <sub>1</sub> =Φ1.58 A <sub>2</sub> =Φ1.97	B <sub>1</sub> =Φ2.40 B <sub>2</sub> =Φ3.20	C <sub>1</sub> =Φ3.40 C <sub>2</sub> =Φ4.20	D=2.0	E=21.5	F=Φ7	PP natural
1008020011	BI-024/040	(1.6~2.4) / (3.2~4.0) mm	A <sub>1</sub> =Φ1.58 A <sub>2</sub> =Φ2.46	B <sub>1</sub> =Φ2.40 B <sub>2</sub> =Φ4.00	C <sub>1</sub> =Φ3.40 C <sub>2</sub> =Φ6.00	D=2.0	E=27.9	F=Φ7	PP natural
1008020012	BI-032/040	(2.4~3.2) / (3.2~4.0) mm	A <sub>1</sub> =Φ1.97 A <sub>2</sub> =Φ2.46	B <sub>1</sub> =Φ3.20 B <sub>2</sub> =Φ4.00	C <sub>1</sub> =Φ4.20 C <sub>2</sub> =Φ6.00	D=2.0	E=28.9	F=Φ10	PP natural
1008020013	BI-032/048	(2.4~3.2) / (4.0~4.8) mm	A <sub>1</sub> =Φ1.97 A <sub>2</sub> =Φ3.45	B <sub>1</sub> =Φ3.20 B <sub>2</sub> =Φ4.80	C <sub>1</sub> =Φ4.20 C <sub>2</sub> =Φ6.80	D=2.0	E=30.7	F=Φ10	PP natural
1008020014	BI-040/048	(3.2~4.0) / (4.0~4.8) mm	A <sub>1</sub> =Φ2.96 A <sub>2</sub> =Φ3.45	B <sub>1</sub> =Φ4.00 B <sub>2</sub> =Φ4.80	C <sub>1</sub> =Φ6.00 C <sub>2</sub> =Φ6.80	D=2.0	E=33.1	F=Φ10	PP natural
1008020015	BI-040/064	(3.2~4.0) / (4.8~6.4) mm	A <sub>1</sub> =Φ2.96 A <sub>2</sub> =Φ5.42	B <sub>1</sub> =Φ4.00 B <sub>2</sub> =Φ6.35	C <sub>1</sub> =Φ6.00 C <sub>2</sub> =Φ8.35	D=2.5	E=36.75	F=Φ14	PP natural
1008020016	BI-048/064	(4.0~4.8) / (4.8~6.4) mm	A <sub>1</sub> =Φ3.94 A <sub>2</sub> =Φ5.42	B <sub>1</sub> =Φ4.80 B <sub>2</sub> =Φ6.35	C <sub>1</sub> =Φ6.80 C <sub>2</sub> =Φ8.35	D=2.5	E=36.85	F=Φ14	PP natural
1008020017	BI-048/087	(4.0~4.8) / (6.4~8.7) mm	A <sub>1</sub> =Φ3.45 A <sub>2</sub> =Φ6.90	B <sub>1</sub> =Φ4.80 B <sub>2</sub> =Φ8.70	C <sub>1</sub> =Φ6.80 C <sub>2</sub> =Φ10.70	D=2.5	E=36.85	F=Φ14	PP natural
1008020018	BI-064/087	(4.8~6.4) / (6.4~8.7) mm	A <sub>1</sub> =Φ4.93 A <sub>2</sub> =Φ6.90	B <sub>1</sub> =Φ6.35 B <sub>2</sub> =Φ8.70	C <sub>1</sub> =Φ8.35 C <sub>2</sub> =Φ10.70	D=2.5	E=40	F=Φ14	PP natural
1008020033	BI-095/127	(8.7~9.5) / (9.5~12.7) mm	A <sub>1</sub> =Φ7.00 A <sub>2</sub> =Φ9.50	B <sub>1</sub> =Φ9.50 B <sub>2</sub> =Φ12.70	C <sub>1</sub> =Φ11.60 C <sub>2</sub> =Φ14.50	D=1.6	E=49.9	F=Φ15.90	PP natural
<b>SFR-Equal Union</b>									
1008020028	SFR-DI-016	1.6 mm	A=Φ1.50	B=Φ2.50	C=Φ3.80	D=4.20	E=25.60	F=Φ7.5	PP natural
1008020029	SFR-DI-024	1.6~2.4 mm	A=Φ2.20	B=Φ3.20	C=Φ4.30	D=4.20	E=25.60	F=Φ7.5	PP natural
1008020030	SFR-DI-032	2.4~3.2 mm	A=Φ2.50	B=Φ3.60	C=Φ4.80	D=4.20	E=25.60	F=Φ7.5	PP natural



## Elbow Barbed Connector

- ◆ Plug-in hose connectors for easy and convenient hose connection to meet elbow flow path design requirements
- ◆ PP material, non-toxic, odourless, heat resistant, resistant to chemical corrosion and various organic substances
- ◆ Radiation sterilisation available
- ◆ REACH, ROHS Certified, Biocompatibility and FDA report available.



SKU	Model No.	Tubing ID	Dimension (mm)						Material
<b>Equal</b>									
1008060001	LD-016	1.0~1.6 mm	A=Φ0.79	B=Φ1.60	C=Φ2.80	D=Φ5	E=14.9	F=14.9	PP natural
1008060002	LD-024	1.6~2.4 mm	A=Φ1.58	B=Φ2.40	C=Φ3.60	D=Φ5	E=14.7	F=14.7	PP natural
1008060003	LD-032	2.4~3.2 mm	A=Φ1.97	B=Φ3.20	C=Φ4.20	D=Φ7	E=18	F=18	PP natural
1008060004	LD-040	3.2~4.0 mm	A=Φ2.46	B=Φ4.00	C=Φ6.00	D=Φ8	E=22.9	F=22.9	PP natural
1008060005	LD-048	4.0~4.8 mm	A=Φ2.96	B=Φ4.80	C=Φ6.80	D=Φ9	E=23.9	F=23.9	PP natural
1008060006	LD-064	4.8~6.4 mm	A=Φ4.93	B=Φ6.40	C=Φ8.40	D=Φ12	E=32.5	F=32.5	PP natural
1008060007	LD-087	6.4~8.7 mm	A=Φ6.40	B=Φ8.70	C=Φ10.70	D=Φ14	E=33.8	F=35	PP natural
1008060008	LD-095	8.7~9.5 mm	A=Φ7.39	B=Φ9.50	C=Φ11.50	D=Φ15	E=38	F=38	PP natural
1008060024	LD-127	9.5~12.7 mm	A=Φ9.80	B=Φ11.8	C=Φ13.90	D=Φ13.7	E=33	F=33	PP natural
<b>Reducing</b>									
1008060009	LB-016/024	(1.0~1.6) / (1.6~2.4) mm	A <sub>1</sub> =Φ0.79 A <sub>2</sub> =Φ1.58	B <sub>1</sub> =Φ1.60 B <sub>2</sub> =Φ2.40	C <sub>1</sub> =Φ2.80 C <sub>2</sub> =Φ3.60	D <sub>1</sub> =Φ5 D <sub>2</sub> =Φ5.5	E=14.7	F=14.9	PP natural
1008060010	LB-016/032	(1.0~1.6) / (2.4~3.2) mm	A <sub>1</sub> =Φ0.79 A <sub>2</sub> =Φ1.97	B <sub>1</sub> =Φ1.60 B <sub>2</sub> =Φ3.20	C <sub>1</sub> =Φ2.80 C <sub>2</sub> =Φ4.20	D <sub>1</sub> =Φ5 D <sub>2</sub> =Φ5	E=14.7	F=15.7	PP natural
1008060011	LB-024/032	(1.6~2.4) / (2.4~3.2) mm	A <sub>1</sub> =Φ1.58 A <sub>2</sub> =Φ1.97	B <sub>1</sub> =Φ2.40 B <sub>2</sub> =Φ3.20	C <sub>1</sub> =Φ3.60 C <sub>2</sub> =Φ4.20	D <sub>1</sub> =Φ5 D <sub>2</sub> =Φ6	E=15.7	F=16.7	PP natural
1008060012	LB-024/040	(1.6~2.4) / (3.2~4.0) mm	A <sub>1</sub> =Φ1.58 A <sub>2</sub> =Φ2.46	B <sub>1</sub> =Φ2.40 B <sub>2</sub> =Φ4.00	C <sub>1</sub> =Φ3.60 C <sub>2</sub> =Φ6.00	D <sub>1</sub> =Φ6 D <sub>2</sub> =Φ6	E=15.7	F=20.6	PP natural
1008060014	LB-032/040	(2.4~3.2) / (3.2~4.0) mm	A <sub>1</sub> =Φ1.97 A <sub>2</sub> =Φ2.46	B <sub>1</sub> =Φ3.20 B <sub>2</sub> =Φ4.00	C <sub>1</sub> =Φ4.20 C <sub>2</sub> =Φ6.00	D <sub>1</sub> =Φ7 D <sub>2</sub> =Φ7	E=18	F=21.9	PP natural
1008060013	LB-032/048	(2.4~3.2) / (4.0~4.8) mm	A <sub>1</sub> =Φ1.97 A <sub>2</sub> =Φ2.96	B <sub>1</sub> =Φ3.20 B <sub>2</sub> =Φ4.80	C <sub>1</sub> =Φ4.20 C <sub>2</sub> =Φ6.80	D <sub>1</sub> =Φ8 D <sub>2</sub> =Φ8	E=19	F=22.9	PP natural
1008060017	LB-040/048	(3.2~4.0) / (4.0~4.8) mm	A <sub>1</sub> =Φ2.46 A <sub>2</sub> =Φ2.96	B <sub>1</sub> =Φ4.00 B <sub>2</sub> =Φ4.80	C <sub>1</sub> =Φ6.00 C <sub>2</sub> =Φ6.80	D <sub>1</sub> =Φ8 D <sub>2</sub> =Φ8	E=22.9	F=22.9	PP natural
1008060018	LB-040/064	(3.2~4.0) / (4.8~6.4) mm	A <sub>1</sub> =Φ2.46 A <sub>2</sub> =Φ4.93	B <sub>1</sub> =Φ4.00 B <sub>2</sub> =Φ6.40	C <sub>1</sub> =Φ6.00 C <sub>2</sub> =Φ8.40	D <sub>1</sub> =Φ10 D <sub>2</sub> =Φ10	E=24.9	F=31	PP natural
1008060015	LB-048/064	(4.0~4.8) / (4.8~6.4) mm	A <sub>1</sub> =Φ2.96 A <sub>2</sub> =Φ4.93	B <sub>1</sub> =Φ4.80 B <sub>2</sub> =Φ6.40	C <sub>1</sub> =Φ6.80 C <sub>2</sub> =Φ8.40	D <sub>1</sub> =Φ12 D <sub>2</sub> =Φ12	E=26.9	F=33	PP natural
1008060016	LB-048/087	(4.0~4.8) / (6.4~8.7) mm	A <sub>1</sub> =Φ2.96 A <sub>2</sub> =Φ6.40	B <sub>1</sub> =Φ4.80 B <sub>2</sub> =Φ8.70	C <sub>1</sub> =Φ6.80 C <sub>2</sub> =Φ10.70	D <sub>1</sub> =Φ12 D <sub>2</sub> =Φ12	E=26.9	F=33	PP natural
1008060019	LB-064/087	(4.8~6.4) / (6.4~8.7) mm	A <sub>1</sub> =Φ4.93 A <sub>2</sub> =Φ6.40	B <sub>1</sub> =Φ6.40 B <sub>2</sub> =Φ8.70	C <sub>1</sub> =Φ8.40 C <sub>2</sub> =Φ10.70	D <sub>1</sub> =Φ15 D <sub>2</sub> =Φ15	E=35.5	F=36	PP natural
1008060020	LB-064/095	(4.8~6.4) / (8.7~9.5) mm	A <sub>1</sub> =Φ4.93 A <sub>2</sub> =Φ7.39	B <sub>1</sub> =Φ6.40 B <sub>2</sub> =Φ9.50	C <sub>1</sub> =Φ8.40 C <sub>2</sub> =Φ11.50	D <sub>1</sub> =Φ15 D <sub>2</sub> =Φ15	E=35.5	F=38	PP natural
1008060021	LB-087/095	(6.4~8.7) / (8.7~9.5) mm	A <sub>1</sub> =Φ6.40 A <sub>2</sub> =Φ7.39	B <sub>1</sub> =Φ8.70 B <sub>2</sub> =Φ9.50	C <sub>1</sub> =Φ10.70 C <sub>2</sub> =Φ11.50	D <sub>1</sub> =Φ14 D <sub>2</sub> =Φ14	E=35	F=37	PP natural
1008060025	LB-095/127	(8.7~9.5) / (9.5~12.7) mm	A <sub>1</sub> =Φ7.80 A <sub>2</sub> =Φ9.80	B <sub>1</sub> =Φ10.0 B <sub>2</sub> =Φ12.0	C <sub>1</sub> =Φ11.10 C <sub>2</sub> =Φ13.15	D <sub>1</sub> =Φ11.70 D <sub>2</sub> =Φ13.75	E=29.8	F=28	PP natural





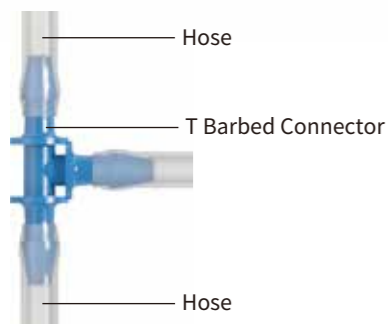
## T Barbed Connector

- ◆ Plug-in hose connectors for easy and convenient application, three hoses of the same inner diameter can be connected together
- ◆ PP material, non-toxic, odourless, heat resistant, resistant to chemical corrosion and various organic substances
- ◆ Radiation sterilisation available
- ◆ REACH, ROHS Certified, Biocompatibility and FDA report available.



## Y Barbed Connector

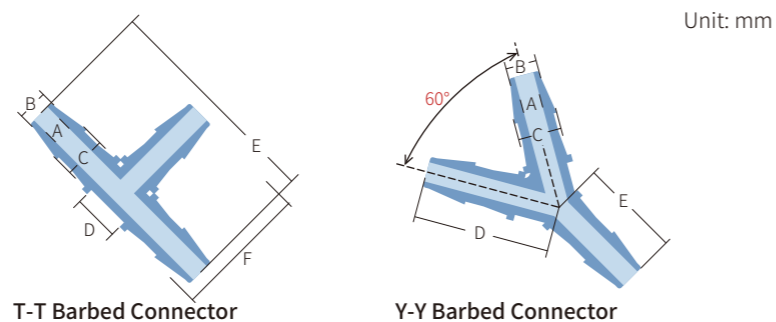
- ◆ Plug-in hose connectors for easy and convenient application, three hoses of the same inner diameter can be connected together
- ◆ Y-connection geometry reduces turbulence and increases sensitivity
- ◆ PP material, non-toxic, odourless, heat resistant, resistant to chemical corrosion and various organic substances
- ◆ Radiation sterilisation available
- ◆ REACH, ROHS Certified, Biocompatibility and FDA report available.



### Related Products

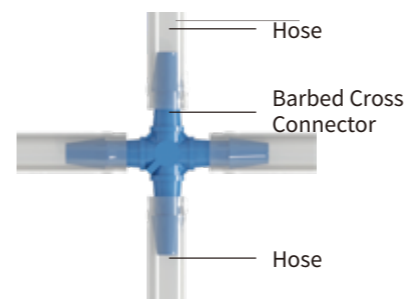
► For suitable hose tubing, please refer to pages 85 to 88

- Rubber tube — page 85
- Viton rubber tube — page 87
- Silicone hoses — page 88



Unit: mm

SKU	Model No.	Tubing ID	Dimension (mm)						Material
<b>T Barbed Connector</b>									
1008010001	T-016	0.8~1.6mm	A=Φ1.08	B=Φ1.82	C=Φ2.45	D=2.2	E=12.8	F=7.73	PP natural
1008010002	T-020	1.6~2.0 mm	A=Φ1.08	B=Φ2.00	C=Φ3.00	D=3.5	E=17.7	F=10.9	PP natural
1008010003	T-024	2.0~2.4 mm	A=Φ1.58	B=Φ2.50	C=Φ3.50	D=3.8	E=18.6	F=11.3	PP natural
1008010005	T-032	2.4~3.2 mm	A=Φ2.36	B=Φ3.30	C=Φ4.80	D=5.2	E=26	F=15.65	PP natural
1008010006	T-040	3.2~4.0 mm	A=Φ2.96	B=Φ4.00	C=Φ6.00	D=8.8	E=39	F=24.5	PP natural
1008010007	T-048	4.0~4.8 mm	A=Φ3.94	B=Φ4.80	C=Φ6.80	D=8.8	E=39	F=24.5	PP natural
1008010008	T-064	4.8~6.4 mm	A=Φ5.42	B=Φ6.40	C=Φ8.70	D=11	E=52.4	F=32.2	PP natural
1008010009	T-087	6.4~8.7 mm	A=Φ7.78	B=Φ8.70	C=Φ10.70	D=13	E=55	F=34.5	PP natural
1008010020	T-095	8.7~9.5 mm	A=Φ7.95	B=Φ9.00	C=Φ11.95	D=12.9	E=65.7	F=41.9	PP natural
1008010021	T-127	9.5~12.7 mm	A=Φ10.70	B=Φ12.7	C=Φ14.95	D=17.7	E=74.2	F=47.1	PP natural
<b>Y Barbed Connector</b>									
1008010010	Y-016	0.8~1.6mm	A=Φ1.63	B=Φ1.82	C=Φ2.45	D=7.30	E=6.00		PP natural
1008010011	Y-020	1.6~2.0 mm	A=Φ1.08	B=Φ2.00	C=Φ2.80	D=8.00	E=7.00		PP natural
1008010012	Y-024	2.0~2.4 mm	A=Φ1.60	B=Φ2.54	C=Φ3.55	D=10.79	E=7.75		PP natural
1008010013	Y-032	2.4~3.2 mm	A=Φ2.36	B=Φ3.30	C=Φ4.80	D=13.80	E=11.30		PP natural
1008010014	Y-040	3.2~4.0 mm	A=Φ2.96	B=Φ4.00	C=Φ6.00	D=20.90	E=18.90		PP natural
1008010015	Y-048	4.0~4.8 mm	A=Φ4.00	B=Φ4.87	C=Φ6.90	D=21.30	E=19.30		PP natural
1008010016	Y-064	4.8~6.4 mm	A=Φ5.50	B=Φ6.45	C=Φ8.48	D=28.93	E=25.88		PP natural
1008010017	Y-087	6.4~8.7 mm	A=Φ7.50	B=Φ8.63	C=Φ10.86	D=31.68	E=26.30		PP natural
1008010022	Y-095	8.7~9.5 mm	A=Φ8.25	B=Φ9.50	C=Φ11.85	D=40.0	E=29.00		PP natural
1008010023	Y-127	9.5~12.7 mm	A=Φ10.0	B=Φ12.6	C=Φ14.40	D=40.60	E=27.20		PP natural



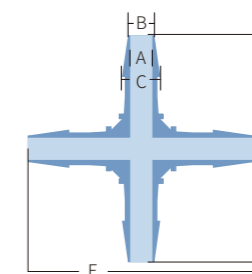
### Related Products

► For suitable hose tubing, please refer to pages 85 to 88

- Rubber tube — page 85
- Viton rubber tube — page 87
- Silicone hoses — page 88

## Barbed Cross Connector

- ◆ Designed to divide or gather four fluids together; ideal for pre-assembled tubing
- ◆ connection geometry reduces turbulence, reduces baseline noise, increases sensitivity, and improves analysis results
- ◆ PP material, non-toxic, odourless, heat resistant, resistant to chemical corrosion and various organic substances
- ◆ Radiation sterilisation available
- ◆ REACH, ROHS Certified, Biocompatibility and FDA report available.



Unit: mm

SKU	Model No.	Tubing ID	Dimension (mm)					Material
<b>Barbed Cross Connector</b>								
1008070001	DS-016	1.0~1.6 mm	A=Φ1.08	B=Φ1.87	C=Φ2.45	D=15.8	E=15.8	PP natural
1008070002	DS-024	1.6~2.4 mm	A=Φ1.58	B=Φ2.50	C=Φ3.50	D=20.6	E=20.6	PP natural
1008070003	DS-032	2.4~3.2 mm	A=Φ2.36	B=Φ3.30	C=Φ4.80	D=27.2	E=27.2	PP natural
1008070004	DS-040	3.2~4.0 mm	A=Φ2.96	B=Φ4.00	C=Φ6.00	D=38.0	E=38.0	PP natural
1008070005	DS-048	4.0~4.8 mm	A=Φ3.94	B=Φ4.80	C=Φ6.80	D=40.3	E=40.3	PP natural
1008070006	DS-064	4.8~6.4 mm	A=Φ5.42	B=Φ6.40	C=Φ8.70	D=49.5	E=49.5	PP natural
1008070007	DS-087	6.4~8.7 mm	A=Φ7.39	B=Φ8.50	C=Φ10.7	D=62.0	E=62.0	PP natural



## Barbed Bulkhead Union

### —two piece set

- ◆ Plug-in hose connector that goes through the housing of the unit to connect the internal hose to the outside; anti-rotation holes prevent the connector from rotation .Easy and convenient to use.
- ◆ PP material, non-toxic, odourless, heat resistant, resistant to chemical corrosion and various organic substances
- ◆ Radiation sterilisation available
- ◆ REACH、ROHS Certified,Biocompatibility and FDA report available.

### ★ Application Note

**Step 1.** Drill the hole for connector and mounting in the panel as required,

the location and size of the holes are as shown in the diagram below.

**Step 2.** Insert connector on one end of the panel, the mounting holes under

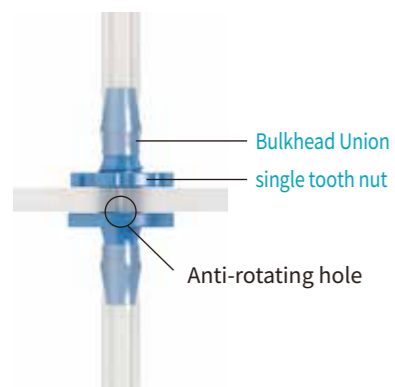
the connector Barb1 port correspond to the position of the mounting holes on the panel.

**Step 3.** The other end is screwed into the matching single thread flower

nut and tightened. The fitting is completed.

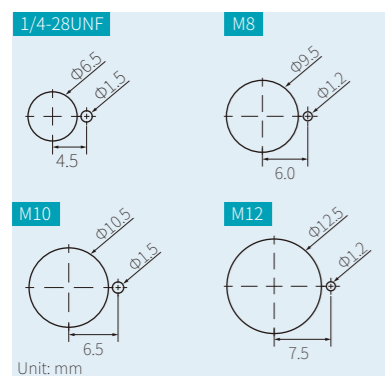
**Step 4.** Cut the hose as required with the special hose cutter

**Step 5.** Insert the barbed head at both ends of the fitting into the hose.(pressure) the ferrules should be replaced

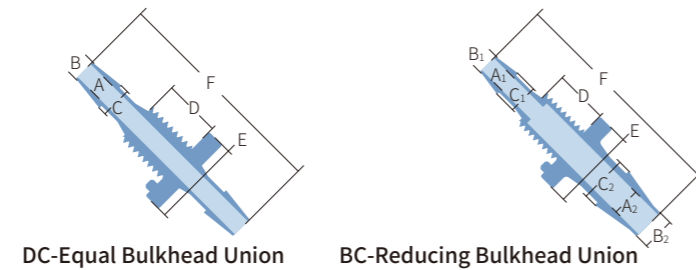


※ Panel thickness ≤ 3mm

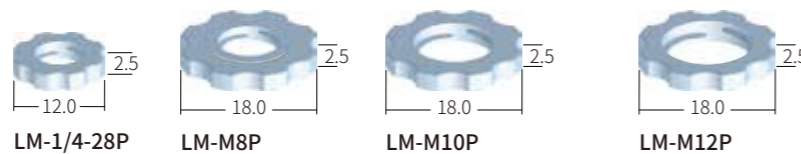
※ The panel needs to be drilled before the connection is made, and the size of the hole is marked as follows.



### Nut(mm)



### single tooth nut(mm)



### Related Products

► For M10 and M12, PPS thin pitch nuts can be purchased for use with a Bulkhead Nut Wrench to make tightening the joint easier.



SKU	Model No.	Note
1006090016	15mm-S	Bulkhead nut spanner
1006090022	M10*1-S	M10 thin pitch nuts
1006090005	M12*1-S	M12 thin pitch nuts
1006090045	1/4-28-S	1/4-28 thin pitch nuts
1006090046	M8*1.25-S	M8*1.25 thin pitch nuts
1006090047	M8*1-S	M8 thin pitch nuts

► For suitable hose tubing, please refer to pages 85to 88

Rubber tube	— page 85
Viton rubber tube	— page 87
Silicone hoses	— page 88

SKU	Model No.	Thread	Tubing ID	Dimension (mm)	Material
<b>Equal Bulkhead Union</b>					
1008030046	DC-016-1/4-28-016P * LM-1/4-28P	1/4-28UNF	1.0~1.6 mm	A <sub>1</sub> =φ0.99 B <sub>1</sub> =φ1.60 C <sub>1</sub> =φ2.80 D=7.6 E=12 F=27.7	PP natural
1008030047	DC-024-1/4-28-024P * LM-1/4-28P	1/4-28UNF	1.6~2.4 mm	A <sub>1</sub> =φ1.58 B <sub>1</sub> =φ2.40 C <sub>1</sub> =φ3.40 D=7.7 E=12 F=27.7	PP natural
1008030048	DC-032-1/4-28-032P * LM-1/4-28P	1/4-28UNF	2.4~3.2 mm	A <sub>1</sub> =φ2.46 B <sub>1</sub> =φ3.20 C <sub>1</sub> =φ4.20 D=7.7 E=12 F=29.7	PP natural
1008030049	DC-040-M8-040P * LM-M8P	M8	3.2~4.0 mm	A <sub>1</sub> =φ2.46 B <sub>1</sub> =φ4.00 C <sub>1</sub> =φ6.00 D=8.0 E=18 F=36.51	PP natural
1008030050	DC-048-M8-048P * LM-M8P	M8	4.0~4.8 mm	A <sub>1</sub> =φ3.94 B <sub>1</sub> =φ4.80 C <sub>1</sub> =φ6.80 D=8.0 E=18 F=37.3	PP natural
1008030051	DC-064-M10-064P * LM-M10P	M10	4.8~6.4 mm	A <sub>1</sub> =φ5.42 B <sub>1</sub> =φ6.40 C <sub>1</sub> =φ8.40 D=8.0 E=18 F=48.7	PP natural
1008030061	DC-087-M12-087P * LM-M12P	M12	6.4~8.7 mm	A <sub>1</sub> =φ7.39 B <sub>1</sub> =φ8.70 C <sub>1</sub> =φ10.70 D=8.0 E=18 F=49.7	PP natural
<b>Reducing Bulkhead Union</b>					
1008030052	BC-016-1/4-28-024P * LM-1/4-28P	1/4-28UNF	1.0~1.6 mm 1.6~2.4 mm	A <sub>1</sub> =φ0.99 B <sub>1</sub> =φ1.60 C <sub>1</sub> =φ2.80 A <sub>2</sub> =φ1.58 B <sub>2</sub> =φ2.40 C <sub>2</sub> =φ3.40 D=7.7 E=12 F=27.7	PP natural
1008030053	BC-016-1/4-28-032P * LM-1/4-28P	1/4-28UNF	1.0~1.6 mm 2.4~3.2 mm	A <sub>1</sub> =φ0.99 B <sub>1</sub> =φ1.60 C <sub>1</sub> =φ2.80 A <sub>2</sub> =φ2.46 B <sub>2</sub> =φ3.20 C <sub>2</sub> =φ4.20 D=7.6 E=12 F=27.7	PP natural
1008030054	BC-024-1/4-28-032P * LM-1/4-28P	1/4-28UNF	1.6~2.4 mm 2.4~3.2 mm	A <sub>1</sub> =φ1.58 B <sub>1</sub> =φ2.40 C <sub>1</sub> =φ3.40 A <sub>2</sub> =φ2.46 B <sub>2</sub> =φ3.20 C <sub>2</sub> =φ4.20 D=7.6 E=12 F=28.5	PP natural
1008030056	BC-024-1/4-28-048P * LM-1/4-28P	1/4-28UNF	1.6~2.4 mm 4.0~4.8 mm	A <sub>1</sub> =φ1.58 B <sub>1</sub> =φ2.40 C <sub>1</sub> =φ3.40 A <sub>2</sub> =φ3.94 B <sub>2</sub> =φ4.80 C <sub>2</sub> =φ6.80 D=7.7 E=12 F=32.4	PP natural
1008030055	BC-032-1/4-28-048P * LM-1/4-28P	1/4-28UNF	2.4~3.2 mm 4.0~4.8 mm	A <sub>1</sub> =φ2.46 B <sub>1</sub> =φ3.20 C <sub>1</sub> =φ4.20 A <sub>2</sub> =φ3.94 B <sub>2</sub> =φ4.80 C <sub>2</sub> =φ6.80 D=7.7 E=12 F=32.4	PP natural
1008030057	BC-032-1/4-28-064P * LM-1/4-28P	1/4-28UNF	2.4~3.2 mm 4.8~6.4 mm	A <sub>1</sub> =φ2.46 B <sub>1</sub> =φ3.20 C <sub>1</sub> =φ4.20 A <sub>2</sub> =φ5.42 B <sub>2</sub> =φ6.40 C <sub>2</sub> =φ8.40 D=7.7 E=12 F=33.5	PP natural
1008030058	BC-048-M8-064P * LM-M8P	M8	3.2~4.8 mm 4.8~6.4 mm	A <sub>1</sub> =φ3.94 B <sub>1</sub> =φ4.80 C <sub>1</sub> =φ6.80 A <sub>2</sub> =φ5.42 B <sub>2</sub> =φ6.40 C <sub>2</sub> =φ8.40 D=8.0 E=18 F=39.9	PP natural
1008030059	BC-064-M10-087P * LM-M10P	M10	4.8~6.4 mm 6.4~8.7 mm	A <sub>1</sub> =φ5.42 B <sub>1</sub> =φ6.40 C <sub>1</sub> =φ8.40 A <sub>2</sub> =φ7.93 B <sub>2</sub> =φ8.70 C <sub>2</sub> =φ10.70 D=8.0 E=18 F=49.2	PP natural
1008030060	BC-064-M10-127P * LM-M10P	M10	4.8~6.4 mm 8.7~12.7 mm	A <sub>1</sub> =φ4.93 B <sub>1</sub> =φ6.40 C <sub>1</sub> =φ8.40 A <sub>2</sub> =φ10.34 B <sub>2</sub> =φ12.70 C <sub>2</sub> =φ14.70 D=8.0 E=18 F=48.5	PP natural
1008030062	BC-087-M12-127P * LM-M12P	M12	6.4~8.7 mm 8.7~12.7 mm	A <sub>1</sub> =φ7.39 B <sub>1</sub> =φ8.70 C <sub>1</sub> =φ10.70 A <sub>2</sub> =φ10.34 B <sub>2</sub> =φ12.70 C <sub>2</sub> =φ14.70 D=8.0 E=18 F=52.7	PP natural



### ★ Application Note

**Step 1.** Drill the hole for connector and mounting in the panel as required,

the location and size of the holes are as shown in the diagram below.

**Step 2.** Insert connector on one end of the panel, the mounting holes under

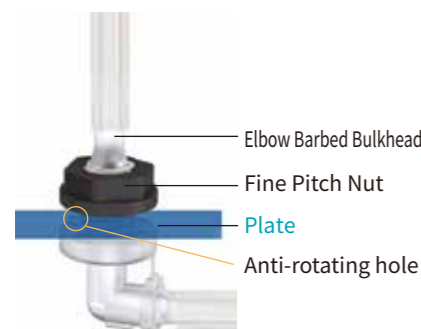
the connector Barb1 port correspond to the position of the mounting holes on the panel.

**Step 3.** The other end is screwed into the matching single thread flower

nut and tightened. The fitting is completed.

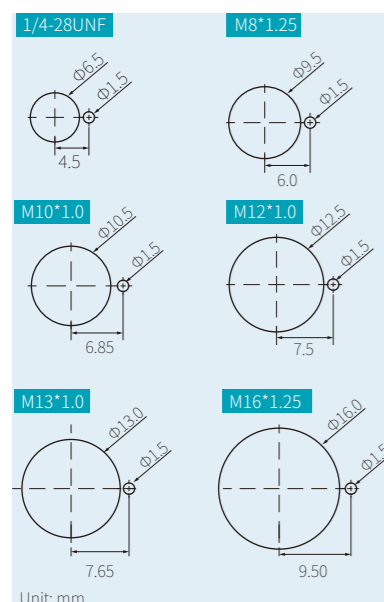
**Step 4.** Cut the hose as required with the special hose cutter

**Step 5.** Insert the barbed head at both ends of the fitting into the hose. (pressure) the ferrules should be replaced



※ Panel thickness ≤ 3mm

※ The panel needs to be drilled before the connection is made, and the size of the hole is marked as follows.

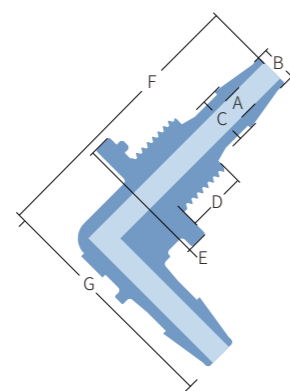


## Elbow Barbed Bulkhead

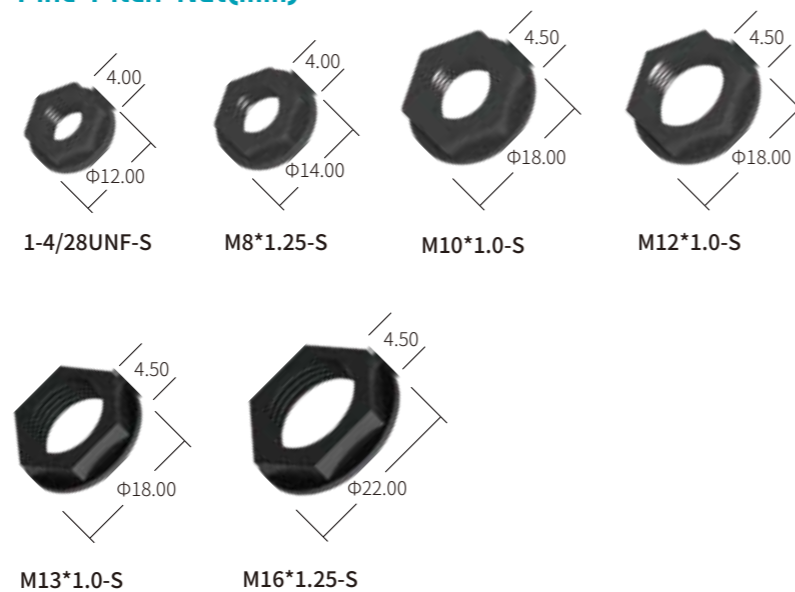
### —two piece set

- ◆ Can go through the housing of the unit to connect the internal hose to the outside; anti-rotation holes prevent the connector from rotation. Easy and convenient to use.
- ◆ Plug-in connectors for easy and convenient hose connection to meet elbow flow path design requirements
- ◆ Fittings available in PP, non-toxic, odourless, heat resistant, resistant to chemicals and various organic substances
- ◆ Radiation sterilization available
- ◆ REACH, ROHS Certified, Biocompatibility and FDA report available.

### Nut(mm)



### Fine Pitch Nut(mm)



### Related Products

► For M10 and M12, PPS thin pitch nuts can be purchased for use with a Bulkhead Nut Wrench to make tightening the joint easier.



SKU	Model No.	Note
1006090016	15mm-S	Bulkhead nut spanner

► For suitable hose tubing, please refer to pages 85 to 88

Rubber tube — page 85

Viton rubber tube — page 87

Silicone hoses — page 88

SKU	Model No.	Thread	Tubing ID	Dimension (mm)	Material
Elbow Barbed Bulkhead					
1008090013	LDC-032-1/4-28-032P * 1/4-28-S	1/4-28UNF	2.4~3.2 mm	A=Φ2.4 B=Φ3.2 C=Φ4.4 D=7.7 E=Φ12 F=29.7 G=22.6	PP natural+PPS black
1008090014	LDC-040-M8-040P * M8*1.25-S	M8*1.25	3.2~4.0 mm	A=Φ2.5 B=Φ4.0 C=Φ6.0 D=8.0 E=Φ18 F=34.31 G=30.4	PP natural+PPS black
1008090015	LDC-048-M10-048P * M10*1-S	M10*1.0	4.0~4.8 mm	A=Φ3.0 B=Φ4.8 C=Φ6.8 D=8.0 E=Φ18 F=35.9 G=30.8	PP natural+PPS black
1008090016	LDC-064-M10-064P * M10*1-S	M10*1.0	4.8~6.4 mm	A=Φ5.0 B=Φ6.4 C=Φ8.4 D=8.0 E=Φ18 F=43.8 G=37.2	PP natural+PPS black
1008090017	LDC-087-M12-087P * M12*1-S	M12*1.0	6.4~8.7 mm	A=Φ6.4 B=Φ8.7 C=Φ10.7 D=8.0 E=Φ18 F=46.45 G=38.85	PP natural+PPS black
1008090018	LDC-095-M13-095P * M13*1-S	M13*1.0	8.7~9.5 mm	A=Φ7.4 B=Φ9.5 C=Φ11.5 D=8.0 E=Φ18 F=49.75 G=41.25	PP natural+PPS black
1008090019	LDC-127-M16-127P * M16*1.25-S	M16*1.25	9.5~12.7 mm	A=Φ10.4 B=Φ12.7 C=Φ14.7 D=10.0 E=Φ22 F=59.35 G=50.35	PP natural+PPS black





## Barbed Check Valve

- ◆ The opening and closing parts rely on the medium flow and force to open or close themselves to prevent the backflow of the medium valve, mainly used for one-way flow of the medium on the tube, allowing the medium to flow in one direction only, to prevent reverse flow
- ◆ Coned check valve, spring check valve and diaphragm check valve for your choice
- ◆ Plug-in hose connectors for easy and convenient application.
- ◆ REACH, ROHS Certified, Biocompatibility and FDA report available.

### tips

#### Diaphragm check valve



① Inlet ② Sealing ③ Outlet  
Unlock pressure < 2kPa  
Back pressure > 300kPa

#### Reducing diaphragm check valve

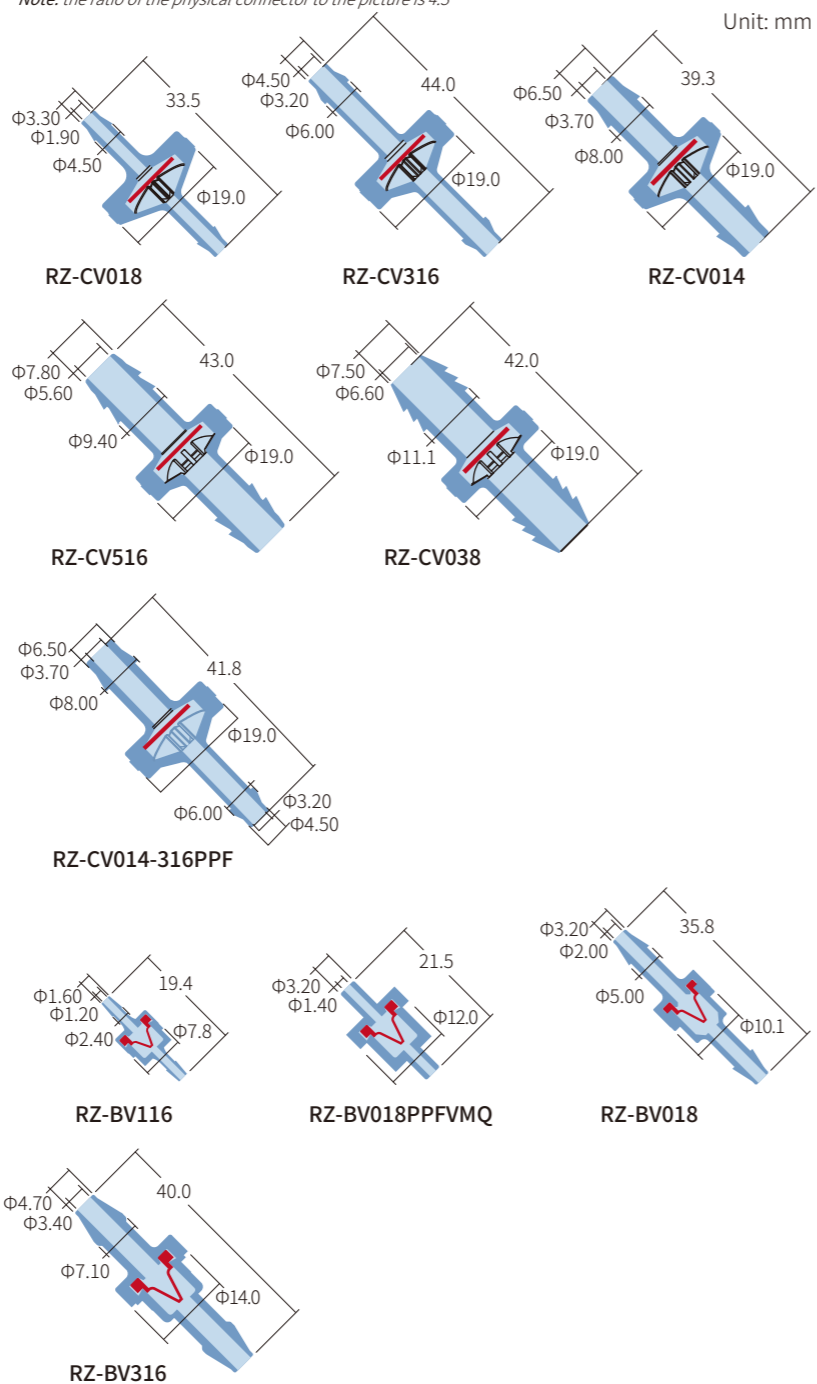
Unlock pressure < 3kPa  
Back pressure > 200kPa

#### Coned check valve

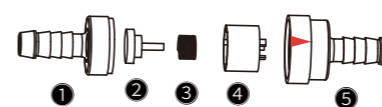


① Inlet ② Sealing ③ Outlet  
Unlock pressure < 2kPa  
Back pressure > 300kPa

Note: the ratio of the physical connector to the picture is 4:3



#### Fuel spring check valve



① Inlet ② Sealing rubber ③ Spring ④ Lining ⑤ Outlet

Unlock pressure < 5kPa  
Back pressure > 300kPa

#### Spring check valve

##### ① Equal Spring Check Valve



① Inlet ② O sealing ring ③ Steel ball ④ Spring ⑤ Outlet

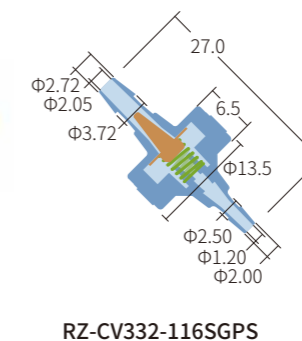
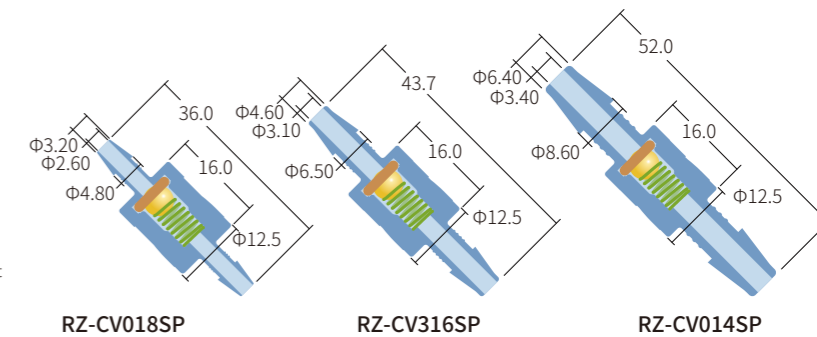
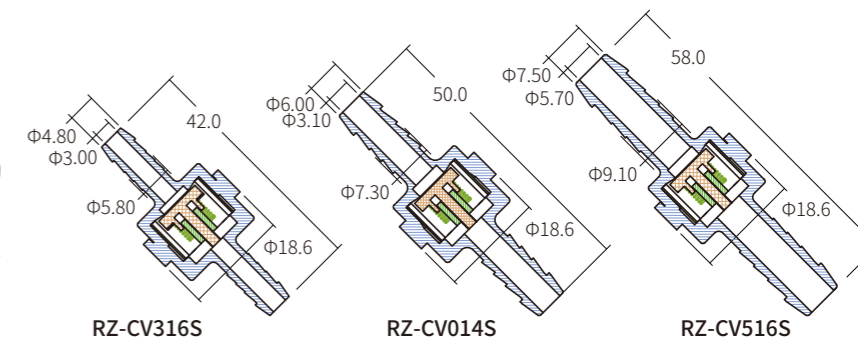
Unlock pressure < 5kPa  
Back pressure > 300kPa

##### ② Reducing Spring Check Valve



① Inlet ② Silicone gasket ③ Spring ④ Outlet

Unlock pressure < 3kPa  
Back pressure > 100kPa



SKU	Model No.	Barbed End	Tubing ID	Diaphragm Material	Valve Material
<b>Diaphragm check valve</b>					
1008040142	RZ-CV018ABS	1/8	2.5~4.0 mm	Silicone	ABS(two color)
1008040147	RZ-CV018PAF	1/8	2.5~4.0 mm	Viton	Nylon(two color)
1008040152	RZ-CV018PCF	1/8	2.5~4.0 mm	Viton	PC(transparent)
1008040151	RZ-CV018PDF	1/8	2.5~4.0 mm	Viton	PVDF
1008040150	RZ-CV018PPE	1/8	2.5~4.0 mm	EPDM	PP
1008040138	RZ-CV018PPF	1/8	2.5~4.0 mm	Viton	PP
1008040158	RZ-CV316ABS	3/16	4.0~5.5 mm	Silicone	ABS(two color)
1008040153	RZ-CV316PAF	3/16	4.0~5.5 mm	Viton	Nylon(two color)
1008040157	RZ-CV316PCF	3/16	4.0~5.5 mm	Viton	PC(transparent)
1008040156	RZ-CV316PDF	3/16	4.0~5.5 mm	Viton	PVDF
1008040154	RZ-CV316PPF	3/16	4.0~5.5 mm	Viton	PP
1008040143	RZ-CV014ABS	1/4	6.0~7.5 mm	Silicone	ABS(two color)
1008040160	RZ-CV014PAF	1/4	6.0~7.5 mm	Viton	Nylon(two color)
1008040162	RZ-CV014PCF	1/4	6.0~7.5 mm	Viton	PC(transparent)
1008040163	RZ-CV014PDF	1/4	6.0~7.5 mm	Viton	PVDF
1008040161	RZ-CV014PPF	1/4	6.0~7.5 mm	Viton	PP
1008040167	RZ-CV516ABS	5/16	7.0~9.0 mm	Silicone	ABS(two color)
1008040186	RZ-CV516ABSN	5/16	7.0~9.0 mm	Silicone	ABS(two color)
1008040165	RZ-CV516PAF	5/16	7.0~9.0 mm	Viton	Nylon(two color)
1008040146	RZ-CV516PCF	5/16	7.0~9.0 mm	Viton	PC(transparent)
1008040166	RZ-CV516PDF	5/16	7.0~9.0 mm	Viton	PVDF
1008040164	RZ-CV516PPF	5/16	7.0~9.0 mm	Viton	PP
1008040173	RZ-CV038ABS	3/8	8.5~10.5 mm	Silicone	ABS(two color)
1008040168	RZ-CV038PAF	3/8	8.5~10.5 mm	Viton	Nylon(two color)
1008040172	RZ-CV038PCF	3/8	8.5~10.5 mm	Viton	PC(transparent)
1008040144	RZ-CV038PDF	3/8	8.5~10.5 mm	Viton	PVDF
1008040170	RZ-CV038PPF	3/8	8.5~10.5 mm	Viton	PP

**Reducing diaphragm check valve**

SKU	Model No.	Inlet End	Outlet End	Tubing ID	Diaphragm Material	Valve Material
1008040184	RZ-CV014-316PPF	1/4	3/16	(6.0~7.5) / (4.5~6.0) mm	Viton	PP

**Coned check valve**

SKU	Model No.	Barbed End	Tubing ID	Sealing Material	Valve Material
1008040183	RZ-BV116PDE	1/16	1.0~1.6 mm	EPDM	PVDF
1008040188	RZ-BV116PPS	1/16	1.0~1.6 mm	Viton Silicone	PP
1008040002	RZ-BV018PPFVMQ	1/8	2.5~4.0 mm	Viton Silicone	PP
1008040176	RZ-BV018PPF	1/8	2.5~4.0 mm	Viton	PP
1008040177	RZ-BV018PPS	1/8	2.5~4.0 mm	Silicone	PP
1008040178	RZ-BV316PPFVMQ	3/16	4.5~6.0 mm	Viton Silicone	PP
1008040179	RZ-BV316PDFVMQ	3/16	4.5~6.0 mm	Viton Silicone	PVDF

**Spring check valve**

SKU	Model No.	Barbed End	Tubing ID	Valve Material	Diaphragm Material	Valve Material
1008040139	RZ-CV018SPPDF	1/8	2.5~4.0 mm	SUS316L	Viton	PP
1008040145	RZ-CV018SPDOF	1/8	2.5~4.0 mm	SUS316L	Viton	PVDF
1008040174	RZ-CV316SPPDF	3/16	4.5~6.0 mm	SUS316L	Viton	PP
1008040140	RZ-CV316SPDOF	3/16	4.5~6.0 mm	SUS316L	Viton	PVDF
1008040141	RZ-CV014SPPDF	1/4	6.0~7.5 mm	SUS316L	Viton	PP
1008040175	RZ-CV014SPDOF	1/4	6.0~7.5 mm	SUS316L	Viton	PVDF
1008040180	RZ-CV316SPAF	3/16	4.5~5.5 mm	SUS316L	Viton	nylon
1008040189	RZ-CV316SPPS	3/16	4.5~6.0 mm	SUS316L	Viton	PP
1008040181	RZ-CV014SPAF	1/4	6.0~7.0 mm	SUS316L	Viton	nylon
1008040182	RZ-CV516SPAF	5/16	7.0~8.5 mm	SUS316L	Silicone	nylon
1008040190	RZ-CV516SPPS	5/16	7.0~8.5 mm	SUS316L	Silicone	PP

**Reducing Spring Check Valve**

SKU	Model No.	Inlet End	Outlet End	Tubing ID	Gasket Material	Diaphragm Material	Valve Material
1066070001	RZ-CV332-116SGPS	3/32	1/16	(1.6~2.5) / (1.0~1.6) mm	SUS316L	Silicone	PP

## Barbed Sink Head



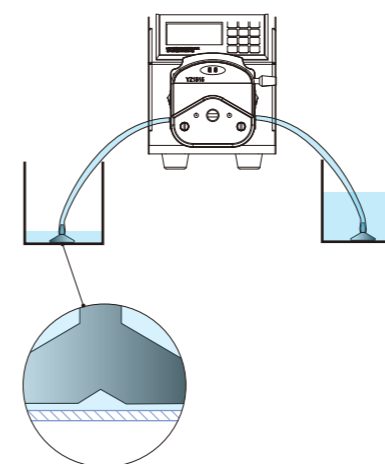
◆ Sink the hose. Commonly used to connect the external tube of the peristaltic pump to prevent the tubing from twisting, floating and the liquid splashing

◆ Plug-in type, simple & convenient to use. Anti-slip and catch-edge design for no leakage

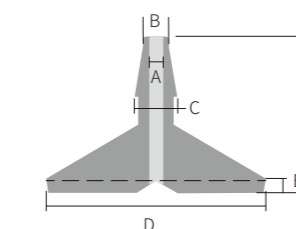
◆ SUS304 stainless steel material, safe and hygienic, featured with high strength, excellent heat resistance, anti-corrosion and no magnetic

### Application Note

Unit: mm



The bottom of the barbed sink head is designed with a 120° groove, which enables the liquid to flow out stably in time while maintaining its own stability.



### Related Products

► For suitable hose tubing, please refer to pages 85 to 88

Rubber tube — page 85

Viton rubber tube — page 87

Silicone hoses — page 88

SKU	Model No.	Tubing ID	Dimension (mm)						Material
<b>Barbed Sink Head</b>									
1008020021	CT-016	1.0~1.6 mm	A=Φ0.99	B=Φ1.60	C=Φ2.80	D=Φ15	E=1	F=10.7	SUS304
1008020022	CT-024	1.6~2.4 mm	A=Φ1.58	B=Φ2.40	C=Φ3.40	D=Φ25	E=2	F=14	SUS304
1008020023	CT-032	2.4~3.2 mm	A=Φ1.97	B=Φ3.20	C=Φ4.20	D=Φ25.7	E=2.5	F=15.2	SUS304
1008020024	CT-040	3.2~4.0 mm	A=Φ2.96	B=Φ4.00	C=Φ6.00	D=Φ27.3	E=3	F=20	SUS304
1008020025	CT-048	4.0~4.8 mm	A=Φ3.45	B=Φ4.80	C=Φ6.80	D=Φ35.6	E=3.5	F=23	SUS304
1008020026	CT-064	4.8~6.4 mm	A=Φ4.93	B=Φ6.40	C=Φ8.40	D=Φ40.7	E=4	F=25.8	SUS304
1008020027	CT-087	6.4~8.7 mm	A=Φ6.40	B=Φ8.700	C=Φ10.70	D=Φ45.2	E=5	F=27	SUS304



## Luer Adapter

- ◆ Luer adapter is standardized micro-permeation-free adapters that are usually connected by male and female luer part
- ◆ Simplifies the management of liquid or gaseous medical fluids and allows multiple compatible fluids to be managed using the same tube.
- ◆ PP material, non-toxic, odourless, heat resistant, resistant to chemical corrosion and various organic substances
- ◆ Radiation sterilisation available

◆ REACH, ROHS Certified, Biocompatibility and FDA report available.

### Application Note



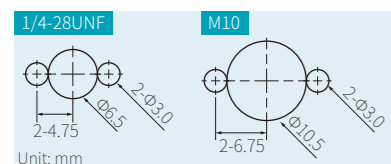
※ Hose connection available through male luer adapter + female luer adapter



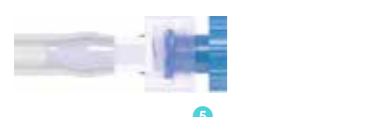
① RH-C-M ② Fixer ③ single tooth nut

※ Panel thickness must be  $\leq 3\text{mm}$

※ The panel is to be pre-drilled prior to connection, with the following hole sizes as indicated:



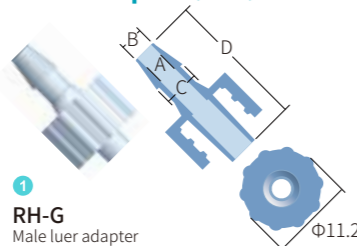
※ Luer Straight Adapter



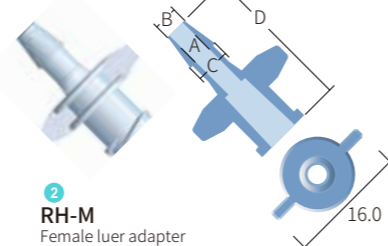
※ Luer plug, used with Luer adapters, for blocking the flow of liquid and gase

### luer adapter(mm)

Unit: mm

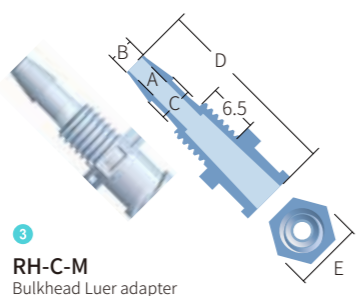


1 RH-G  
Male luer adapter



2 RH-M  
Female luer adapter

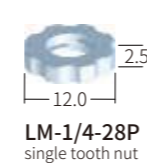
### Female luer bulkhead adapter(mm)



3 RH-C-M  
Bulkhead Luer adapter



C1/4-28  
Fixer



LM-1/4-28P  
single tooth nut

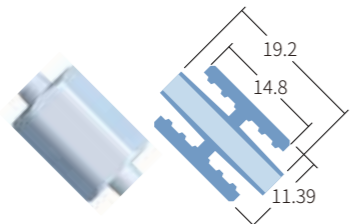


C10  
Fixer

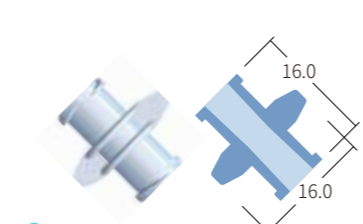


LM-M10P  
single tooth nut

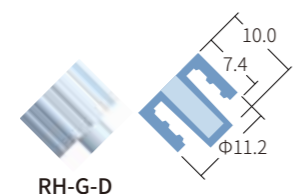
### Luer adapter(mm)



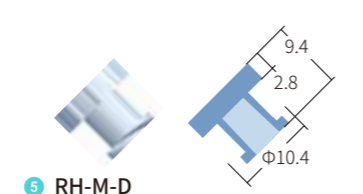
RH-2G



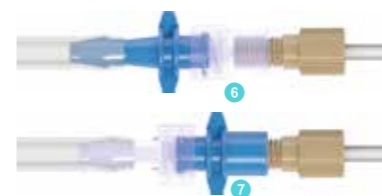
4 RH-2M



RH-G-D



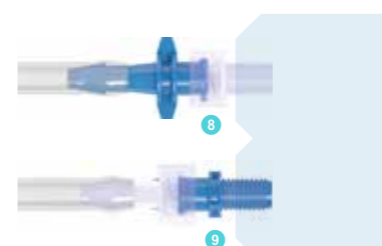
5 RH-M-D



### Luer adapter(mm)

6 RH-G-(1/4-28)N

※ Female Luer adapter can be connected to 1/4-28UNF male fitting and the other end to Luer fitting



7 RH-M-(1/4-28)N

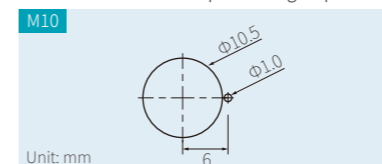
※ Male Luer adapter can be connected to 1/4-28UNF female thread, and the other end can be connected to Luer fitting



8 RH-G-(1/4-28)W

※ Panel thickness must be  $\leq 7\text{mm}$

※ RH-M-M10W can be connected to 1/4-28UNF male thread adapter, and the other end is connected to a Luer adapter through a plate.



10 RH-M-M10W  
Female luer bulkhead adapter



LM-M10P  
single tooth nut

### Related Products

► For M10 and M12, PPS thin pitch nuts can be purchased for use with a Bulkhead Nut Wrench to make tightening the joint easier.

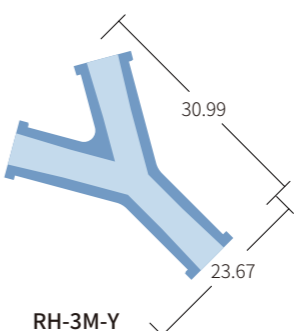


SKU	Model No.	Note
1006090016	15mm-S	Bulkhead nut spanner
1006090022	M10*1-S	M10 thin pitch nuts
1006090045	1/4-28-S	1/4-28 thin pitch nuts

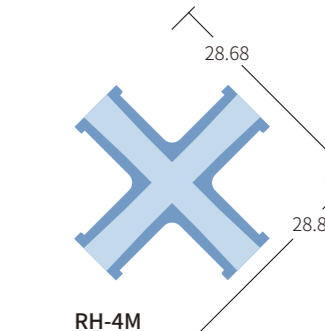


RH-2M-L

11 RH-3M-T



RH-3M-Y



RH-4M



### Related Products

► For suitable hose tubing, please refer to pages 85 to 88

- Rubber tube — page 85
- Viton rubber tube — page 87
- Silicone hoses — page 88

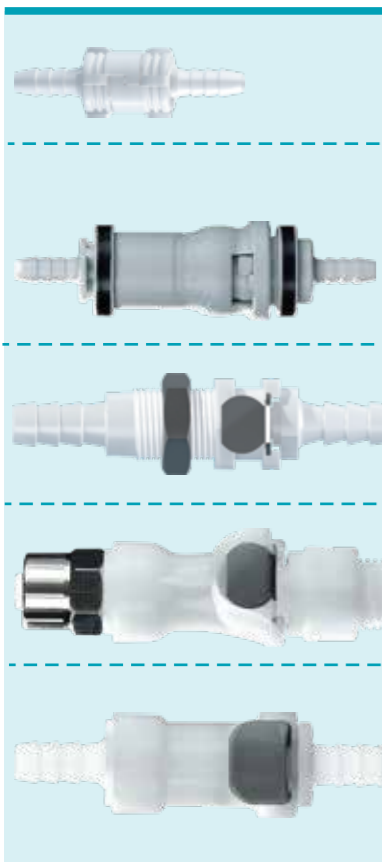
SKU	Model No.	Tubing ID	Dimension (mm)				Material
<b>Male luer adapter</b>							
1008050006	RH-G016	1.0~1.6 mm	A=Φ0.99	B=Φ1.60	C=Φ2.80	D=18.6	PP natural
1008050005	RH-G024	1.6~2.4 mm	A=Φ1.58	B=Φ2.40	C=Φ3.40	D=18.6	PP natural
1008050004	RH-G032	2.4~3.2 mm	A=Φ2.46	B=Φ3.20	C=Φ4.20	D=19.6	PP natural
1008050003	RH-G040	3.2~4.0 mm	A=Φ2.96	B=Φ4.00	C=Φ6.00	D=25	PP natural
1008050002	RH-G048	4.0~4.8 mm	A=Φ3.94	B=Φ4.80	C=Φ6.80	D=25	PP natural
1008050001	RH-G064	4.8~6.4 mm	A=Φ5.42	B=Φ6.35	C=Φ8.40	D=27.1	PP natural
<b>Female luer adapter</b>							
1008050032	RH-M016	1.0~1.6 mm	A=Φ0.99	B=Φ1.60	C=Φ2.80	D=20	PP natural
1008050031	RH-M024	1.6~2.4 mm	A=Φ1.58	B=Φ2.40	C=Φ3.40	D=20	PP natural
1008050030	RH-M032	2.4~3.2 mm	A=Φ2.46	B=Φ3.20	C=Φ4.20	D=20	PP natural
1008050029	RH-M040	3.2~4.0 mm	A=Φ2.46	B=Φ4.00	C=Φ6.00	D=27.5	PP natural
1008050028	RH-M048	4.0~4.8 mm	A=Φ2.96	B=Φ4.80	C=Φ6.80	D=27.5	PP natural
1008050027	RH-M064	4.8~6.4 mm	A=Φ4.43	B=Φ6.35	C=Φ8.40	D=27.5	PP natural

SKU	Model No.	Tubing ID	Thread	Dimension (mm)					Material
1008050037	RH-C-M016 * C1/4-28 * LM-1/4-28P	1.0~1.6 mm	1/4-28UNF	A=Φ0.99	B=Φ1.60	C=Φ2.40	D=25	E=9.12	PP natural
1008050038	RH-C-M024 * C1/4-28 * LM-1/4-28P	1.6~2.4 mm	1/4-28UNF	A=Φ1.58	B=Φ2.40	C=Φ3.40	D=25	E=9.12	PP natural
1008050039	RH-C-M032 * C1/4-28 * LM-1/4-28P	2.4~3.2 mm	1/4-28UNF	A=Φ2.46	B=Φ3.20	C=Φ4.20	D=25	E=9.12	PP natural
1008050040	RH-C-M040 * C10 * LM-M10P	3.2~4.0 mm	M10	A=Φ2.96	B=Φ4.00	C=Φ6.00	D=32.5	E=13.74	PP natural
1008050041	RH-C-M048 * C10 * LM-M10P	4.0~4.8 mm	M10	A=Φ3.94	B=Φ4.80	C=Φ6.80	D=32.5	E=13.74	PP natural
1008050042	RH-C-M064 * C10 * LM-M10P	4.8~6.4 mm	M10	A=Φ5.42	B=Φ6.35	C=Φ8.40	D=32.5	E=13.74	PP natural

<b>Female luer bulkhead adapter</b>							
1008050043	RH-M-M10W * LM-M10P		1/4 28UNF female thread/M10 male thread				PP natural

<b>Luer adapter</b>						
SKU	Model No.	Thread	Material			
1008050022	RH-G-(1/4-28)N	1/4-28UNF female thread	PP natural			
1008050023	RH-M-(1/4-28)N	1/4-28UNF female thread	PP natural			
1008050024	RH-G-(1/4-28)W	1/4-28UNF male thread	PP natural			
1008050026	RH-M-(1/4-28)W	1/4-28UNF male thread	PP natural			
1008050016	RH-2G		PP natural			
1008050017	RH-2M		PP natural			
1008050035	RH-G-D		PP natural			
1008050036	RH-M-D		PP natural			
1008050021	RH-2M-L		PP natural			
1008050018	RH-3M-T		PP natural			
1008050020	RH-3M-Y		PP natural			
1008050019	RH-4M		PP natural			

## QUICK CONNECT & DISCONNECT FITTINGS | COUPLING



**SMC series:** Rotary design, preferred as an alternative to Luer Adapter  
 Material: POM, SUS316, EPDM  
 Tubing ID: 3.0mm to 1/8 "(3.2mm)

**NS212 series:** Screw on design, characterized by valve leakage free, this design method ensures fast, safe, and truly leak free liquid pipeline connections  
 Material: PP, SUS316, EPDM  
 Tubing ID: 1/8 (3.2mm)

**PMC series:** Characterized by single hand connection and integral end, more convenient to use than ball sleeve design  
 Material: POM, SUS316, EPDM  
 Tubing ID: 1/8 "to 1/4" (3.2mm to 6.4mm)

**PLC series:** Provides the widest range of size and shape options, and can withstand the mildest chemical solutions  
 Material: POM, SUS316, EPDM  
 Tubing ID: 1/4 "to 3/8" (6.4mm to 9.5mm)

**APC series:** Characterized by plastic finger lock buttons, fewer moving parts, smooth contour design, easy to use, and good flow characteristics  
 Material: POM, SUS316, EPDM  
 Tubing ID: 1/8 "to 3/8" (3.2mm to 9.5mm)

### SMC series

The SMC series is the smallest connector product in the fast plug connector category, and this rotary type product is a reliable alternative to the Luer type connection. This type of fitting can also rotate freely during pipeline connection, which is an important feature that can prevent pipeline twisting and accidental

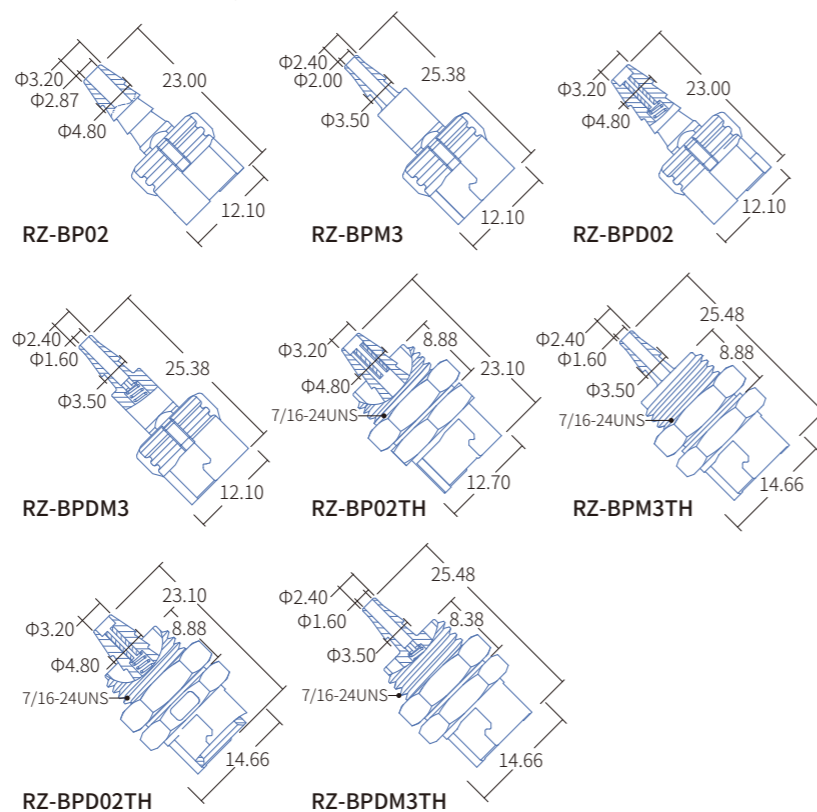
**Temperature:** -40 °C to 82 °C

**Material:** Main body: POM  
 Valve spring: 316 stainless steel  
 Sealing ring: EPDM

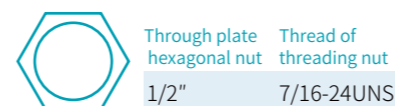
Features	Advantages
Spinning type	Can prevent accidental disconnection
Random fitting rotation	Eliminated the possibility of pipeline twisting
When connected, rotate by a quarter, Clamp behind the circle	Can prevent damage caused by excessive torque

### SMC SERIES

Unit: mm  
 Please note that the size diagram of the SMC series connector is in a 1:1 ratio to the actual product



### Installation precautions



※ Panel thickness ≤ 5mm  
 ※ Before connecting the fitting, the panel needs to be punched with a hole size of 12mm ± 0.5mm

### NS212 series

NS212 provides a quick, rotary fitting with an integrated locking device and a double-sided leak free shut-off valve. NS212 also has chemical resistance and is an ideal product for many applications

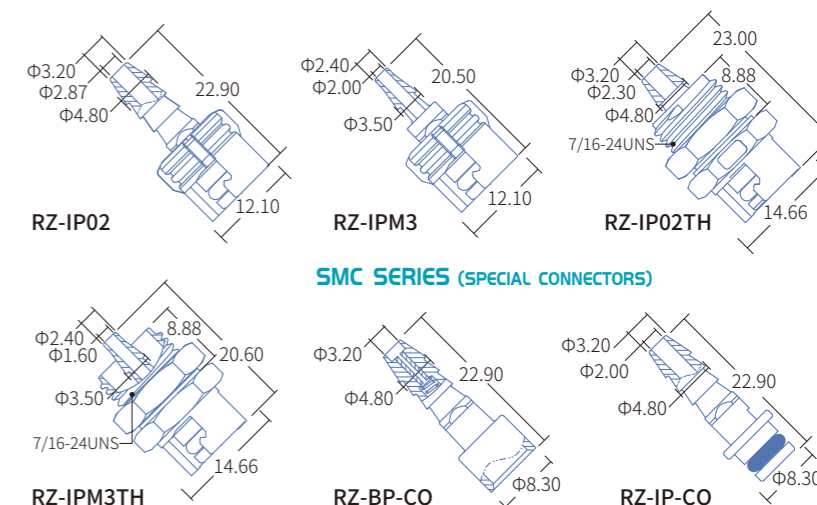
**Temperature:** 0°C to 49°C

**Material:** Main body: PP  
 Valve spring: 316 stainless steel  
 Sealing ring: EPDM

Features	Advantages
Efficient and leak free design	No leakage when disconnected under pressure
Screw locking	Convenient and leak free connection can be achieved within limited space
Compact structure with high flow rate	Small size can replace large fittings
Very few bubbles	Minimizing pollution and reducing the need for tubing cleaning

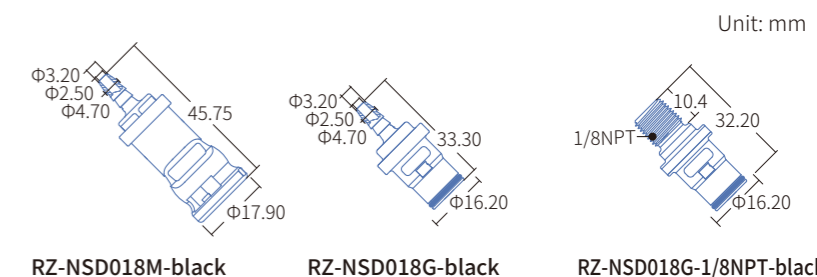
SKU	Model No.	Function	Joint end	Tubing	Spring material	Sealing ring material	Shell material
<b>Quick Connect &amp; Disconnect Fittings   Coupling- SMC series</b>							
1019010081	RZ-BP02	Female: Press&rotate clip	1/8	2.4~4.0mm ID	SUS316	EPDM	POM
1019010087	RZ-BPM3	Female: Press&rotate clip	3mm	1.6~2.4mm ID	SUS316	EPDM	POM
1019010082	RZ-BPD02	Female: Press&rotate clip, with check valve	1/8	2.4~4.0mm ID	SUS316	EPDM	POM
1019010088	RZ-BPDM3	Female: Press&rotate clip, with check valve	3mm	1.6~2.4mm ID	SUS316	EPDM	POM
1019010084	RZ-BPD02TH	Female: Press&rotate clip, with check valve, through plate type	1/8	2.4~4.0mm ID	SUS316	EPDM	POM
1019010090	RZ-BPDM3TH	Female: Press&rotate clip, with check valve, through plate type	3mm	1.6~2.4mm ID	SUS316	EPDM	POM
1019010083	RZ-BP02TH	Female: Press&rotate clip, through plate style	1/8	2.4~4.0mm ID	SUS316	EPDM	POM
1019010089	RZ-BPM3TH	Female: Press&rotate clip, through plate style	3mm	1.6~2.4mm ID	SUS316	EPDM	POM
1019010080	RZ-IP02	Male	1/8	2.4~4.0mm ID	SUS316	EPDM	POM
1019010086	RZ-IPM3	Male	3mm	1.6~2.4mm ID	SUS316	EPDM	POM
1019010103	RZ-IP02TH	Male : Through plate type	1/8	2.4~4.0mm ID	SUS316	EPDM	POM
1019010085	RZ-IPM3TH	Male : Through plate type	3mm	1.6~2.4mm ID	SUS316	EPDM	POM

SKU	Model No.	Function	Joint end	Tubing	Spring material	Sealing ring material	Shell material
<b>Special fittings</b>							
1019010091	RZ-BP-CO	Female : Rotating buckle with check valve	1/8	2.4~4.0mm ID	SUS316	EPDM	POM
1019010092	RZ-IP-CO	Male	1/8	2.4~4.0mm ID	SUS316	EPDM	POM
<b>Quick Connect &amp; Disconnect Fittings   Coupling - NS212 series</b>							
1019010093	RZ-NSD018M-black	Female e: Rotating buckle with check valve	1/8	2.4~4.0mm ID	SUS316	EPDM	PP
1019010094	RZ-NSD018G-black	Male: with check valve	1/8	2.4~4.0mm ID	SUS316	EPDM	PP
1019010104	RZ-NSD018G-1/8NPT-black	Male: with check valve	1/8NPT	/	SUS316	EPDM	PP



### NS212 SERIES

Please note that the size diagram of the NS212 series connector has a ratio of 1:2 to the actual product



Unit: mm

**PMCseries**

PMC connectors cover a wide range of general purposes. The characteristics of PMC series single handed connection/disconnection and integral end make PMC the preferred product for easy use and production.

**Temperature:** -40°C to 82°C

**Material:**

Main body: POM

Finger lock button: 304 stainless steel

Valve spring: 316 stainless steel

Sealing ring: EPDM

Features	Advantages
Metal finger lock	Can be connected and disconnected with one hand
Covered finger lock	Protection against accidental disconnection
Integral end	Less leakage points, short assembly, and fast installation
Click sound	Ensure reliable connection

**Installation precautions**



Through plate hexagonal nut  
Thread of threading nut  
5/8" 1/2-24UNS

**Installation precautions**



Through plate hexagonal nut  
Thread of threading nut  
5/8" 1/2-24UNS

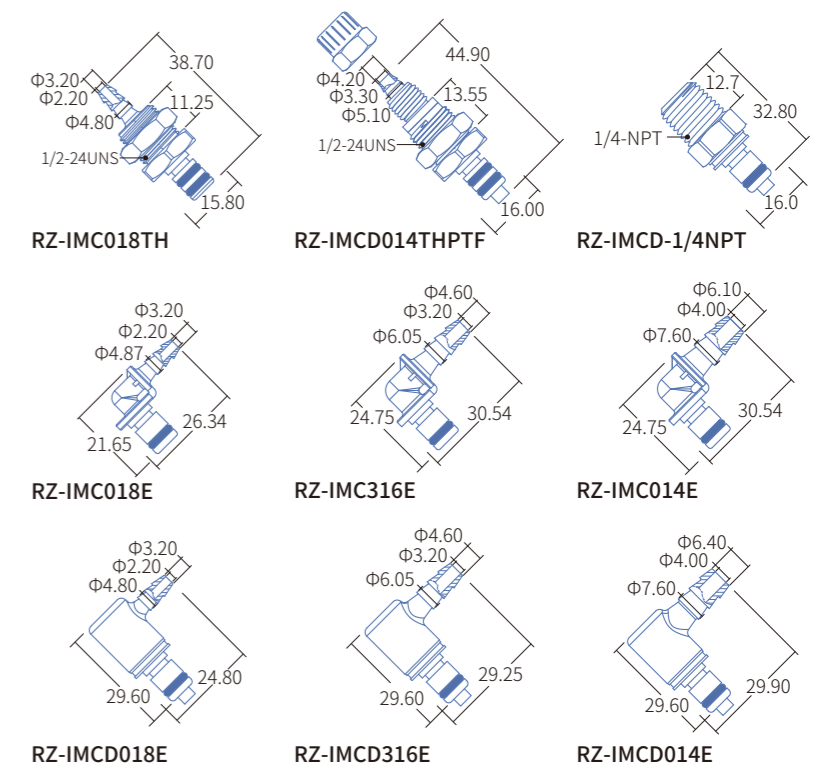
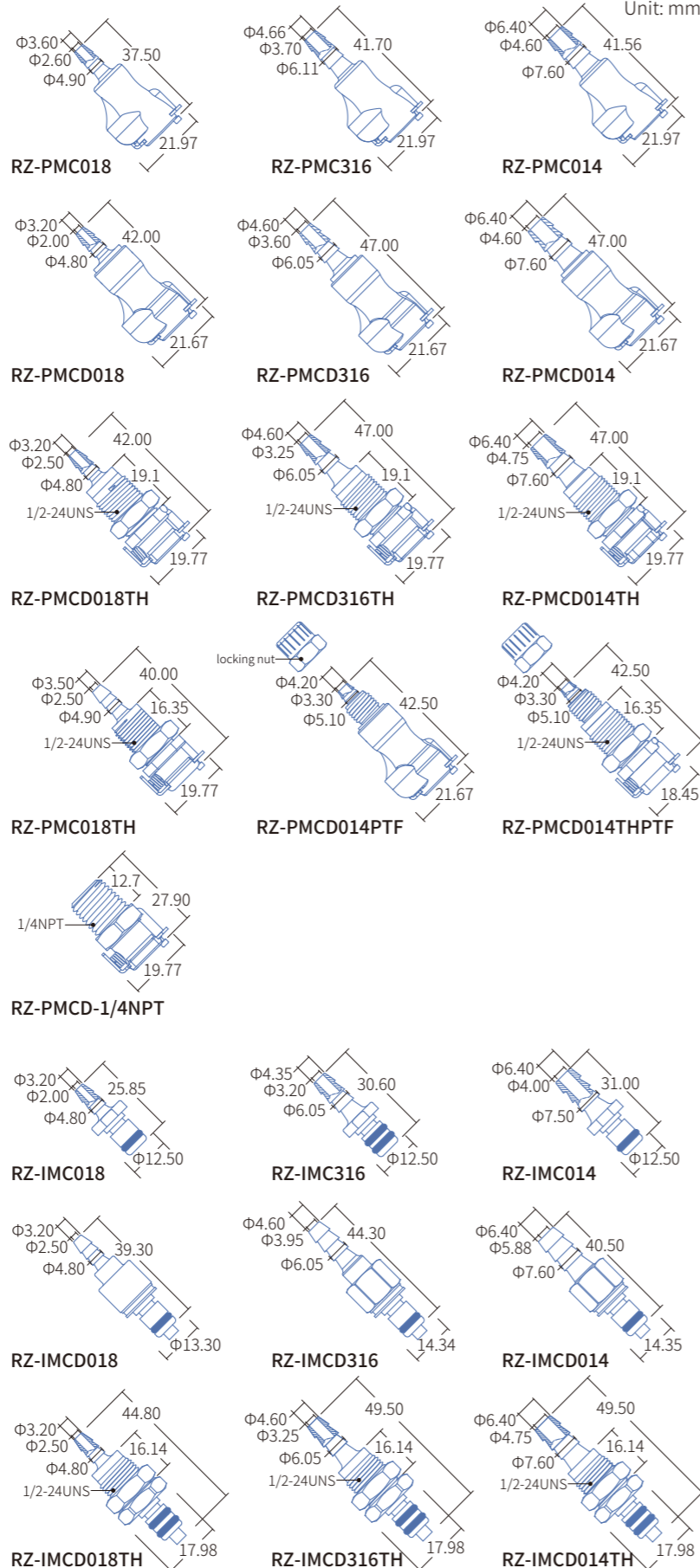
※Panel thickness ≤ 6mm

※ Before connecting the fitting, the panel needs to be punched with a hole size of 14mm ± 0.5mm

**PMC SERIES**

Please note that the size diagram of the PMC series connector is in a ratio of 1:2 to the actual product

Unit: mm



SKU	Model No.	Function	Diameter	Joint end	Tubing	Spring material	Sealing ring material	Shell material
Quick Connect & Disconnect Fittings   Coupling- PMC series								
1019010001	RZ-PMC018	Female: button type	8mm	1/8	2.4-4.0mm ID	SUS316	EPDM	POM
1019010002	RZ-PMC316	Female: button type	8mm	3/16	4.0-5.0mm ID	SUS316	EPDM	POM
1019010003	RZ-PMC014	Female: button type	8mm	1/4	5.0-6.4mm ID	SUS316	EPDM	POM
1019010004	RZ-PMCD018	Female: button type, with check valve	8mm	1/8	2.4-4.0mm ID	SUS316	EPDM	POM
1019010005	RZ-PMCD316	Female: button type, with check valve	8mm	3/16	4.0-5.0mm ID	SUS316	EPDM	POM
1019010006	RZ-PMCD014	Female: button type, with check valve	8mm	1/4	5.0-6.4mm ID	SUS316	EPDM	POM
1019010007	RZ-PMCD018TH	Female: button type, with check valve, through plate type	8mm	1/8	2.4-4.0mm ID	SUS316	EPDM	POM
1019010008	RZ-PMCD316TH	Female: button type, with check valve, through plate type	8mm	3/16	4.0-5.0mm ID	SUS316	EPDM	POM
1019010009	RZ-PMCD014TH	Female: button type, with check valve, through plate type	8mm	1/4	5.0-6.4mm ID	SUS316	EPDM	POM
1019010097	RZ-PMC018TH	Female: button type, through plate type	8mm	1/8	2.4-4.0mm ID	SUS316	EPDM	POM
1019010029	RZ-PMCD014PTF	Female: button type, with check valve, with locking nut	8mm	1/4	3.0-4.0mm ID, 6.0-6.4mm OD	SUS316	EPDM	POM
1019010030	RZ-PMCD014THPTF	Female: button type, with check valve, through plate type, with locking nut	8mm	1/4	3.0-4.0mm ID, 6.0-6.4mm OD	SUS316	EPDM	POM
1019010027	RZ-PMCD-1/4NPT	Female: button type, with check valve, pipe thread	8mm	1/4 NPT	/	SUS316	EPDM	POM
1019010010	RZ-IMC018	Male	8mm	1/8	2.4-4.0mm ID	SUS316	EPDM	POM
1019010011	RZ-IMC316	Male	8mm	3/16	4.0-5.0mm ID	SUS316	EPDM	POM
1019010012	RZ-IMC014	Male	8mm	1/4	5.0-6.4mm ID	SUS316	EPDM	POM
1019010013	RZ-IMCD018	Male: with check valve	8mm	1/8	2.4-4.0mm ID	SUS316	EPDM	POM
1019010014	RZ-IMCD316	Male: with check valve	8mm	3/16	4.0-5.0mm ID	SUS316	EPDM	POM
1019010015	RZ-IMCD014	Male: with check valve	8mm	1/4	5.0-6.4mm ID	SUS316	EPDM	POM
1019010023	RZ-IMCD018TH	Male: with check valve, through plate type	8mm	1/8	2.4-4.0mm ID	SUS316	EPDM	POM
1019010024	RZ-IMCD316TH	Male: with check valve, through plate type	8mm	3/16	4.0-5.0mm ID	SUS316	EPDM	POM
1019010025	RZ-IMCD014TH	Male: with check valve, through plate type	8mm	1/4	5.0-6.4mm ID	SUS316	EPDM	POM
1019010022	RZ-IMC018TH	Male: through plate type	8mm	1/8	2.4-4.0mm ID	SUS316	EPDM	POM
1019010028	RZ-IMCD014THPTF	Male: with check valve, through plate type, with locking nut	8mm	1/4	3.0-4.0mm ID, 6.0-6.4mm OD	SUS316	EPDM	POM
1019010026	RZ-IMCD-1/4NPT	Male: with check valve, pipe thread	8mm	1/4 NPT	/	SUS316	EPDM	POM
1019010016	RZ-IMC018E	Male: L-shaped	8mm	1/8	2.4-4.0mm ID	SUS316	EPDM	POM
1019010017	RZ-IMC316E	Male: L-shaped	8mm	3/16	4.0-5.0mm ID	SUS316	EPDM	POM
1019010018	RZ-IMC014E	Male: L-shaped	8mm	1/4	5.0-6.4mm ID	SUS316	EPDM	POM
1019010019	RZ-IMCD018E	Male: with check valve, L-shaped	8mm	1/8	2.4-4.0mm ID	SUS316	EPDM	POM
1019010020	RZ-IMCD316E	Male: with check valve, L-shaped	8mm	3/16	4.0-5.0mm ID	SUS316	EPDM	POM
1019010021	RZ-IMCD014E	Male: with check valve, L-shaped	8mm	1/4	5.0-6.4mm ID	SUS316	EPDM	POM



**PLC series**

The PLC connector is made of polyoxymethylene thermoplastic injection molding and can withstand the mildest chemical solution. The characteristics of PLC series single hand connection/disconnection and integral end make PLC the preferred product for easy use and production.

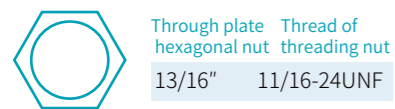
**Temperature:** -40°C to 82°C

**Material:**

- Main body: POM
- Finger lock button: 304 stainless steel
- Valve spring: 316 stainless steel
- Sealing ring: EPDM

Features	Advantages
Metal finger lock	Can be connected and disconnected with one hand
Covered finger lock	Protection against accidental disconnection
Integral end	Less leakage points, short assembly, and fast installation
Click sound	Ensure reliable connection

**Installation precautions**



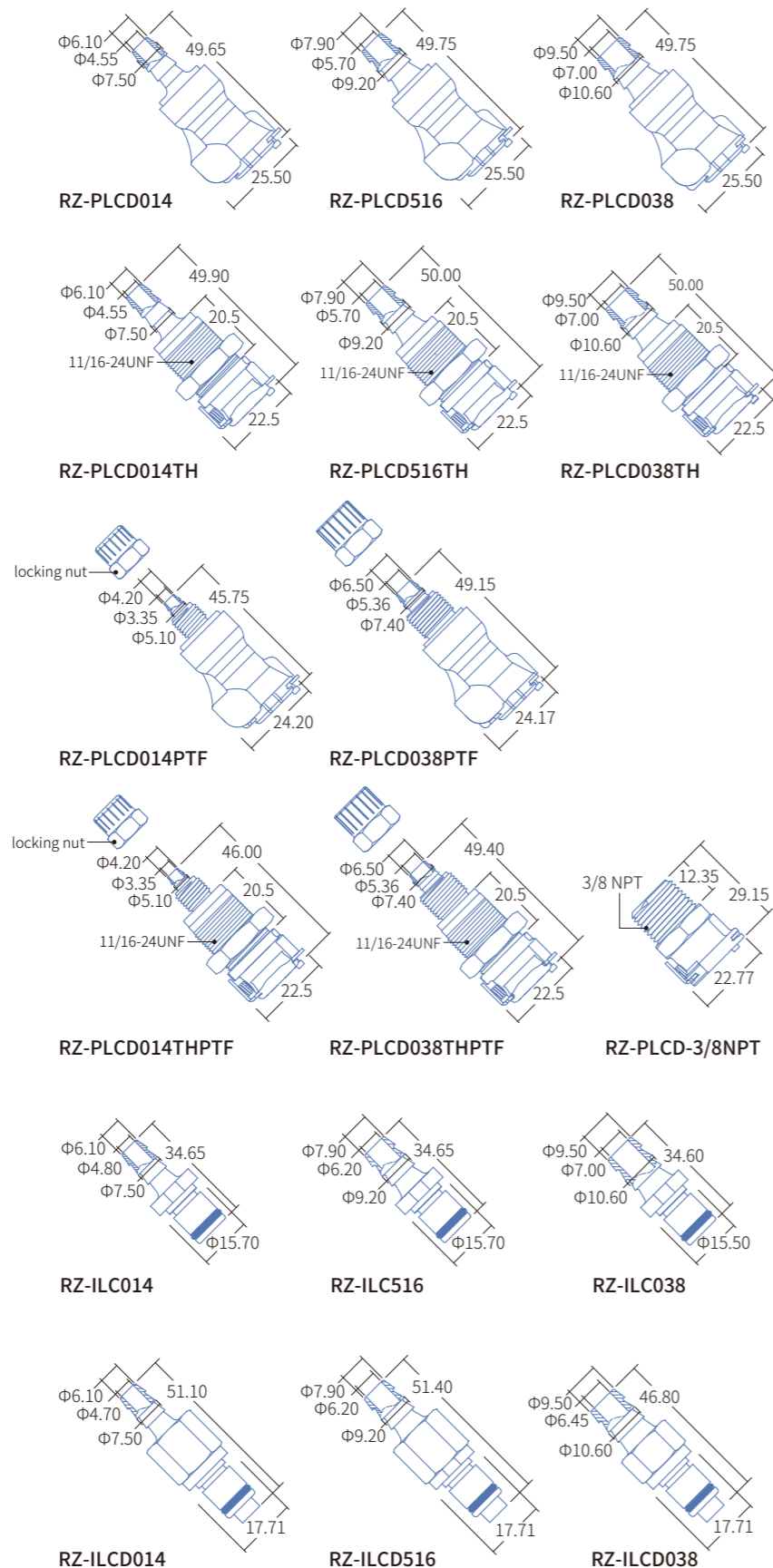
※ Panel thickness ≤ 9mm

※ Before connecting the fitting, the panel needs to be punched with a hole size of 18mm ± 0.5mm

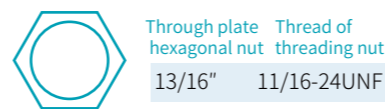
**PLC SERIES**

Unit: mm

Please note that the size diagram of the APC series connector has a ratio of 1:2 to the actual product,

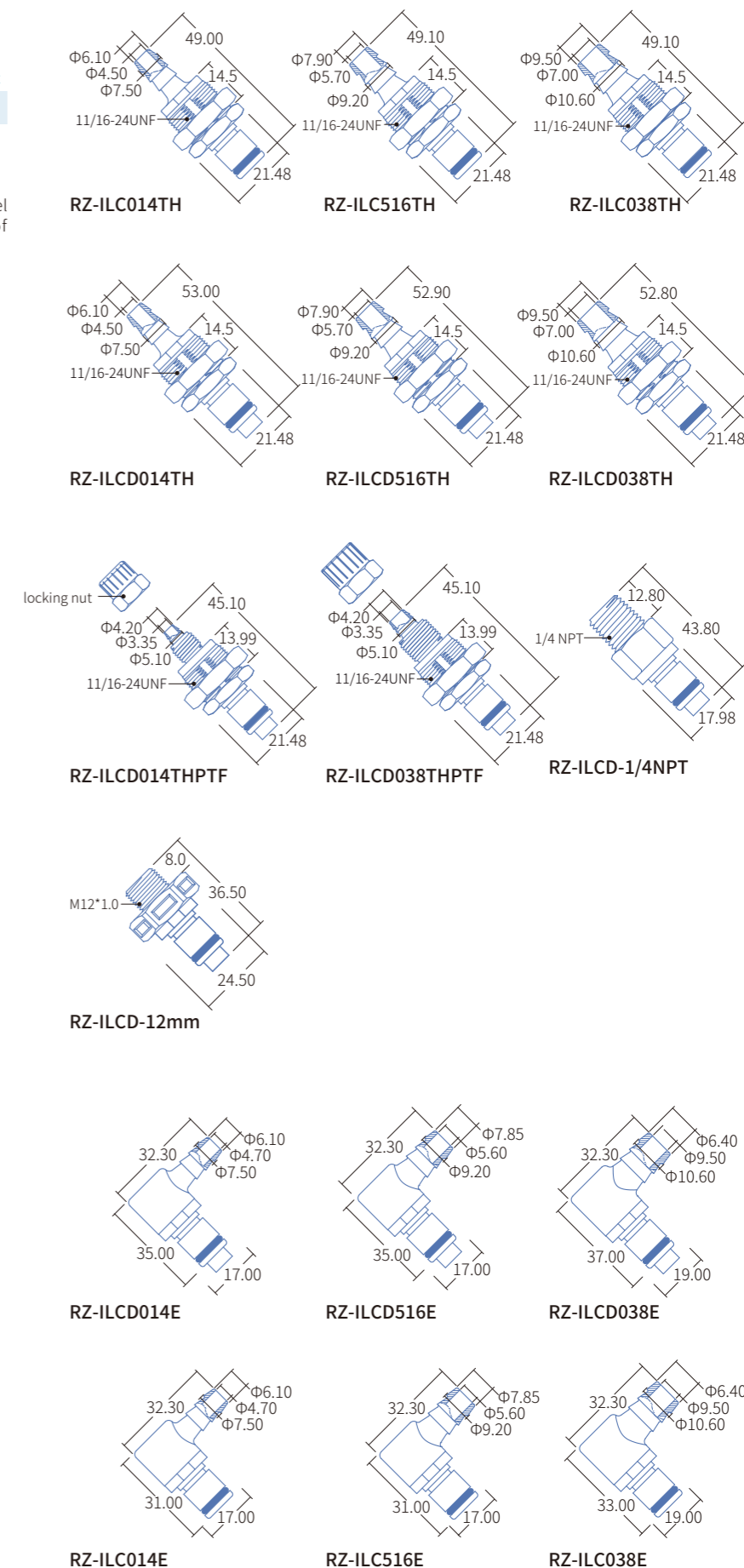


**Installation precautions**

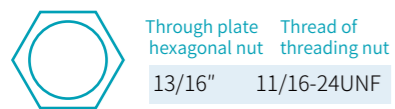


※ Panel thickness ≤ 6mm

※ Before connecting the fitting, the panel needs to be punched with a hole size of 18mm ± 0.5mm



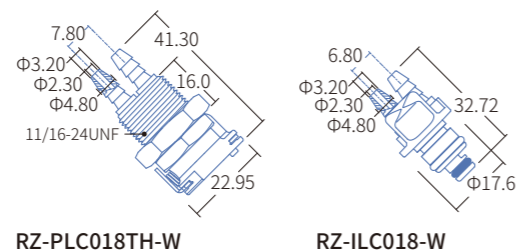
★ Installation precautions



※ Panel thickness ≤ 10mm

※ RZ-PLC018TH-W Before connecting the fitting, the panel needs to be punched with a hole size of 18mm ± 0.5mm

PLC SERIES (DUAL CHANNEL)



SKU	Model No.	Function	Diameter	Joint end	Tubing	Spring material	Sealing ring material	Shell material
Quick Connect & Disconnect Fittings   Coupling- PLC series								
1019010031	RZ-PLCD014	Female: button type, with check valve	11mm	1/4	5.0~6.4mm ID	SUS316	EPDM	POM
1019010032	RZ-PLCD516	Female: button type, with check valve	11mm	5/16	6.4~8.0mm ID	SUS316	EPDM	POM
1019010033	RZ-PLCD038	Female: button type, with check valve	11mm	3/8	7.9~9.6mm ID	SUS316	EPDM	POM
1019010034	RZ-PLCD014TH	Female: button type, with check valve, through plate type	11mm	1/4	5.0~6.4mm ID	SUS316	EPDM	POM
1019010035	RZ-PLCD516TH	Female: button type, with check valve, through plate type	11mm	5/16	6.4~8.0mm ID	SUS316	EPDM	POM
1019010036	RZ-PLCD038TH	Female: button type, with check valve, through plate type	11mm	3/8	7.9~9.6mm ID	SUS316	EPDM	POM
1019010054	RZ-PLCD014PTF	Female: button type, with check valve and locking nut	11mm	1/4	3.0~4.0mm ID, 6.0~6.4mm OD	SUS316	EPDM	POM
1019010055	RZ-PLCD038PTF	Female: button type, with check valve and locking nut	11mm	3/8	6.0~6.4mm ID, 9.0~9.6mm OD	SUS316	EPDM	POM
1019010056	RZ-PLCD014THPTF	Female: button type, with check valve, through plate type, with locking nut	11mm	1/4	3.0~4.0mm ID, 6.0~6.4mm OD	SUS316	EPDM	POM
1019010057	RZ-PLCD038THPTF	Female: button type, with check valve, through plate type, with locking nut	11mm	3/8	6.0~6.4mm ID, 9.0~9.6mm OD	SUS316	EPDM	POM
1019010051	RZ-PLCD-3/8NPT	Female: button type, with check valve, pipe thread	11mm	3/8 NPT	/	SUS316	EPDM	POM
1019010037	RZ-ILC014	Male	11mm	1/4	5.0~6.4mm ID	SUS316	EPDM	POM
1019010038	RZ-ILC516	Male	11mm	5/16	6.4~8.0mm ID	SUS316	EPDM	POM
1019010039	RZ-ILC038	Male	11mm	3/8	7.9~9.6mm ID	SUS316	EPDM	POM
1019010040	RZ-ILCD014	Male: with check valve	11mm	1/4	5.0~6.4mm ID	SUS316	EPDM	POM
1019010098	RZ-ILCD516	Male: with check valve	11mm	5/16	6.4~8.0mm ID	SUS316	EPDM	POM
1019010041	RZ-ILCD038	Male: with check valve	11mm	3/8	7.9~9.6mm ID	SUS316	EPDM	POM
1019010099	RZ-ILC014TH	Male: through plate type	11mm	1/4	5.0~6.4mm ID	SUS316	EPDM	POM
1019010100	RZ-ILC516TH	Male: through plate type	11mm	5/16	6.4~8.0mm ID	SUS316	EPDM	POM
1019010101	RZ-ILC038TH	Male: through plate type	11mm	3/8	7.9~9.6mm ID	SUS316	EPDM	POM
1019010048	RZ-ILCD014TH	Male: with check valve, through plate type	11mm	1/4	5.0~6.4mm ID	SUS316	EPDM	POM
1019010049	RZ-ILCD516TH	Male: with check valve, through plate type	11mm	5/16	6.4~8.0mm ID	SUS316	EPDM	POM
1019010050	RZ-ILCD038TH	Male: with check valve, through plate type	11mm	3/8	7.9~9.6mm ID	SUS316	EPDM	POM
1019010058	RZ-ILCD014THPTF	Male: with check valve, through plate type, with locking nut	11mm	1/4	3.0~4.0mm ID, 6.0~6.4mm OD	SUS316	EPDM	POM
1019010059	RZ-ILCD038THPTF	Male: with check valve, through plate type, with locking nut	11mm	3/8	6.0~6.4mm ID, 9.0~9.6mm OD	SUS316	EPDM	POM
1019010052	RZ-ILCD-1/4NPT	Male: with check valve, pipe thread	11mm	1/4 NPT	/	SUS316	EPDM	POM
1019010053	RZ-ILCD-12mm	Male: with check valve, pipe thread	11mm	M12*1.0	/	SUS316	EPDM	POM
1019010042	RZ-ILC014E	Male: L-shaped	11mm	1/4	5.0~6.4mm ID	SUS316	EPDM	POM
1019010043	RZ-ILC516E	Male: L-shaped	11mm	5/16	6.4~8.0mm ID	SUS316	EPDM	POM
1019010044	RZ-ILC038E	Male: L-shaped	11mm	3/8	7.9~9.6mm ID	SUS316	EPDM	POM
1019010045	RZ-ILCD014E	Male: with check valve, L-shaped	11mm	1/4	5.0~6.4mm ID	SUS316	EPDM	POM
1019010046	RZ-ILCD516E	Male: with check valve, L-shaped	11mm	5/16	6.4~8.0mm ID	SUS316	EPDM	POM
1019010047	RZ-ILCD038E	Male: with check valve, L-shaped	11mm	3/8	7.9~9.6mm ID	SUS316	EPDM	POM
Quick Connect & Disconnect Fittings   Coupling - Dual channel								
1019010096	RZ-PLC018TH-W	Female: button type, through plate type, dual channel	/	1/8	2.4~4.0mm ID	SUS316	EPDM	POM
1019010095	RZ-ILC018-W	Male: dual channel	/	1/8	2.4~4.0mm ID	SUS316	EPDM	POM

APCseries

The APC series connectors are characterized by a plastic finger lock, fewer moving parts, smooth appearance, easy design for use, exquisite appearance, and high flow rate. Some models of connectors are designed to be more sturdy and durable, improving durability to expand the application range of APC.

Temperature: -40°C to 82°C

Material:

Main body: POM

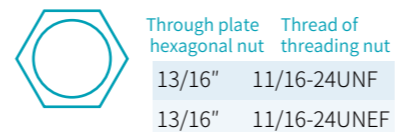
Finger lock button: POM

Valve spring: 316 stainless steel

Sealing ring: EPDM

Features	Advantages
Plastic finger lock	No exposed metal parts
Integrated end	Less leakage points, short assembly, and fast installation

★ Installation precautions



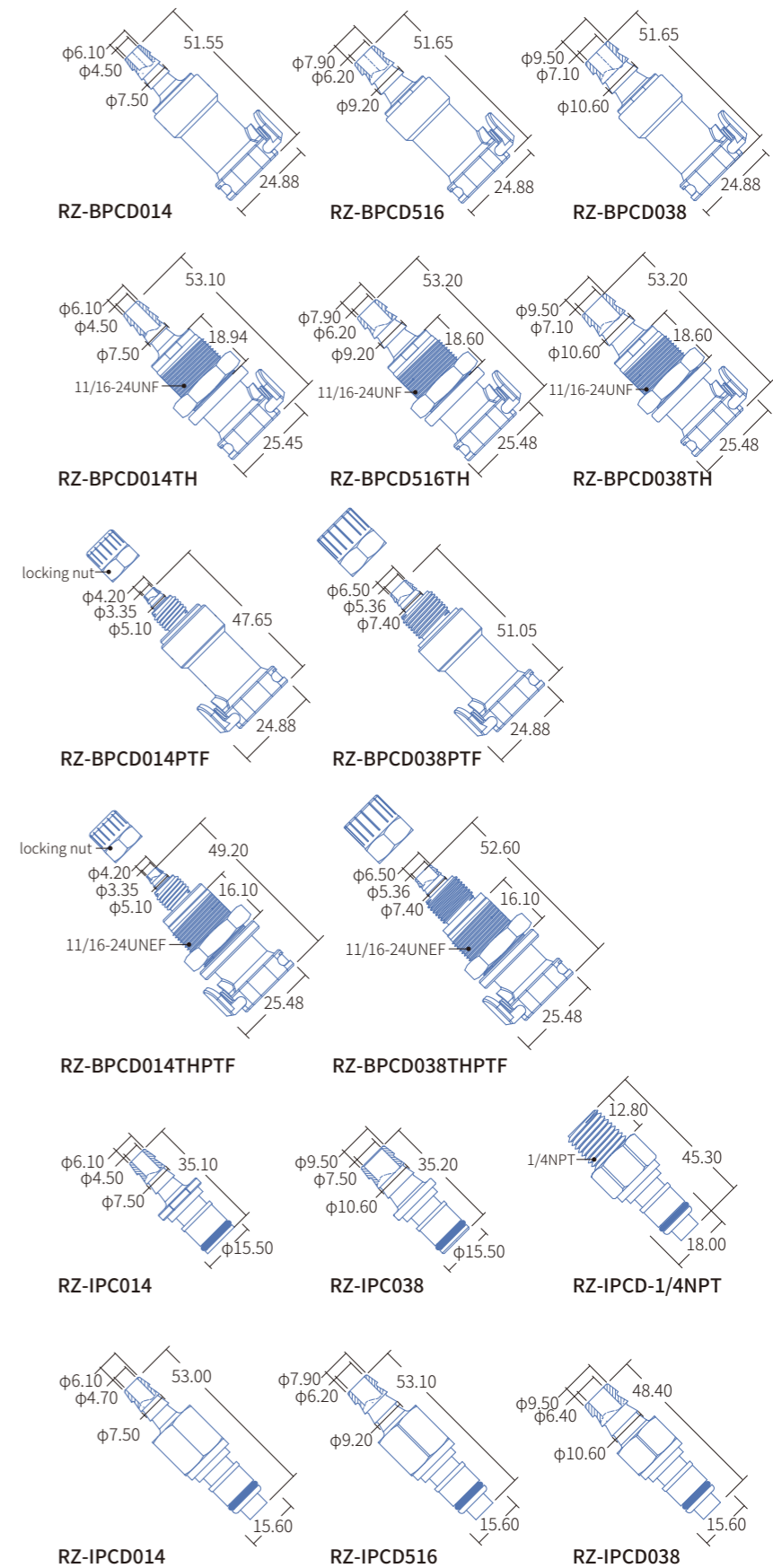
※ Panel thickness ≤ 9mm

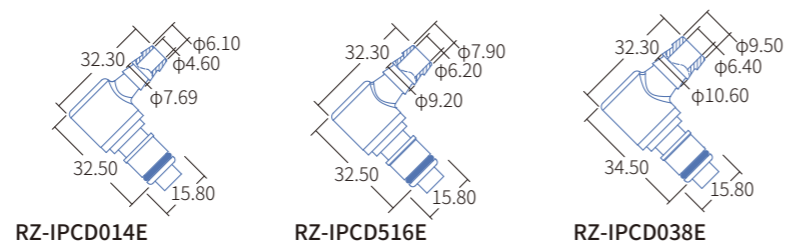
※ Before connecting the fitting, the panel needs to be punched with a hole size of 19mm ± 0.5mm

APC SERIES (LARGE DIAMETER)

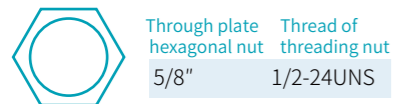
Please note that the size diagram of the APC series connector has a ratio of 1:2 to the actual product

Unit: mm





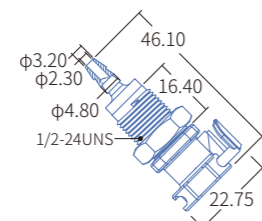
**★ Installation precautions**



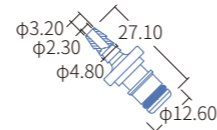
※ Panel thickness ≤ 9mm

※ RZ-PMCD018PBTH Before connecting the fitting, the panel needs to be punched with a hole size of 14mm ± 0.5mm

**APC SERIES (SMALL DIAMETER)**

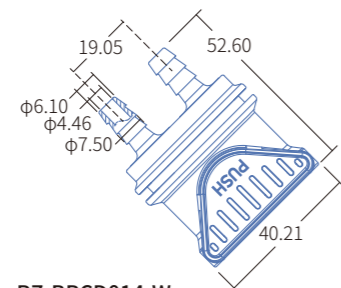


RZ-PMCD018PBTH

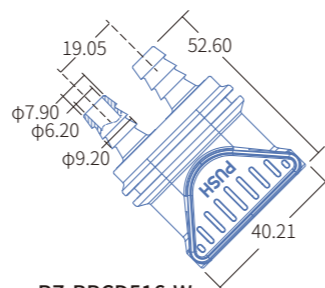


RZ-IMC018PB

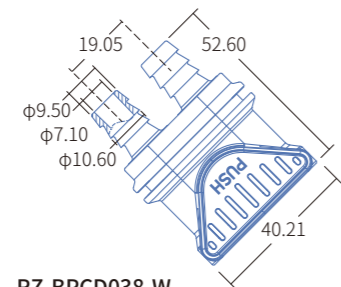
**APC SERIES (DUAL CHANNEL)**



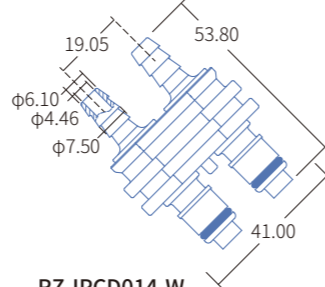
RZ-BPCD014-W



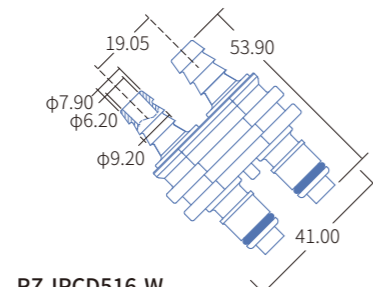
RZ-BPCD516-W



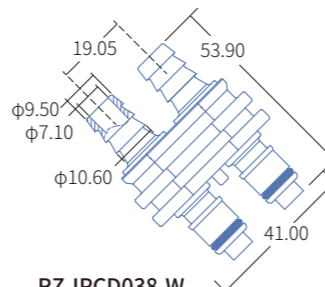
RZ-BPCD038-W



RZ-IPCD014-W



RZ-IPCD516-W



RZ-IPCD038-W

SKU	Model No.	Function	Diameter	Joint end	Tubing	Spring material	Sealing ring material	Shell material
<b>Quick Connect &amp; Disconnect Fittings   Coupling- APC series</b>								
<b>Large diameter</b>								
1019010062	RZ-BPCD014	Female: button type, with check valve	11mm	1/4	5.0-6.4mm	SUS316	EPDM	POM
1019010063	RZ-BPCD516	Female: button type, with check valve	11mm	5/16	6.4-8.0mm	SUS316	EPDM	POM
1019010064	RZ-BPCD038	Female: button type, with check valve	11mm	3/8	7.9-9.6mm	SUS316	EPDM	POM
1019010065	RZ-BPCD014TH	Female: button type, with check valve, through plate type	11mm	1/4	5.0-6.4mm	SUS316	EPDM	POM
1019010066	RZ-BPCD516TH	Female: button type, with check valve, through plate type	11mm	5/16	6.4-8.0mm	SUS316	EPDM	POM
1019010067	RZ-BPCD038TH	Female: button type, with check valve, through plate type	11mm	3/8	7.9-9.6mm	SUS316	EPDM	POM
1019010076	RZ-BPCD014PTF	Female: button type, with check valve and locking nut	11mm	1/4	3.0-4.0mm ID, 6.0-6.4mm OD	SUS316	EPDM	POM
1019010077	RZ-BPCD038PTF	Female: button type, with check valve and locking nut	11mm	3/8	6.0-6.4mm ID, 9.0-9.6mm OD	SUS316	EPDM	POM
1019010078	RZ-BPCD014THPTF	Female: button type, with check valve, through plate type, with locking nut	11mm	1/4	3.0-4.0mm ID, 6.0-6.4mm OD	SUS316	EPDM	POM
1019010079	RZ-BPCD038THPTF	Female: button type, with check valve, through plate type, with locking nut	11mm	3/8	6.0-6.4mm ID, 9.0-9.6mm OD	SUS316	EPDM	POM
1019010068	RZ-IPC014	Male	11mm	1/4	5.0-6.4mm	SUS316	EPDM	POM
1019010069	RZ-IPC038	Male	11mm	3/8	7.9-9.6mm	SUS316	EPDM	POM
1019010070	RZ-IPCD014	Male: with check valve	11mm	1/4	5.0-6.4mm	SUS316	EPDM	POM
1019010071	RZ-IPCD516	Male: with check valve	11mm	5/16	6.4-8.0mm	SUS316	EPDM	POM
1019010072	RZ-IPCD038	Male: with check valve	11mm	3/8	7.9-9.6mm	SUS316	EPDM	POM
1019010102	RZ-IPCD-1/4NPT	Male: with check valve, pipe thread	11mm	1/4 NPT	/	SUS316	EPDM	POM
1019010073	RZ-IPCD014E	Male: with check valve, L-shaped	11mm	1/4	5.0-6.4mm	SUS316	EPDM	POM
1019010074	RZ-IPCD516E	Male: with check valve, L-shaped	11mm	5/16	6.4-8.0mm	SUS316	EPDM	POM
1019010075	RZ-IPCD038E	Male: with check valve, L-shaped	11mm	3/8	7.9-9.6mm	SUS316	EPDM	POM
<b>Small diameter</b>								
1019010061	RZ-PMCD018PBTH	Female : button type, with check valve, through plate type	8mm	1/8	2.4-4.0mm	SUS316	EPDM	POM
1019010060	RZ-IMC018PB	Male	8mm	1/8	2.4-4.0mm	SUS316	EPDM	POM
<b>Dual channel</b>								
1019010108	RZ-BPCD014-W	Female : button type, with check valve, dual channel	/	1/4	5.0-6.4mm	SUS316	EPDM	POM
1019010109	RZ-BPCD516-W	Female : button type, with check valve, dual channel	/	5/16	6.4-8.0mm	SUS316	EPDM	POM
1019010110	RZ-BPCD038-W	Female: button type, with check valve, dual channel	/	3/8	7.9-9.6mm	SUS316	EPDM	POM
1019010105	RZ-IPCD014-W	Male : with check valve, dual channel	/	1/4	5.0-6.4mm	SUS316	EPDM	POM
1019010106	RZ-IPCD516-W	Male : with check valve, dual channel	/	5/16	6.4-8.0mm	SUS316	EPDM	POM
1019010107	RZ-IPCD038-W	Male : with check valve, dual channel	/	3/8	7.9-9.6mm	SUS316	EPDM	POM



## Accessories



### Plain Washer

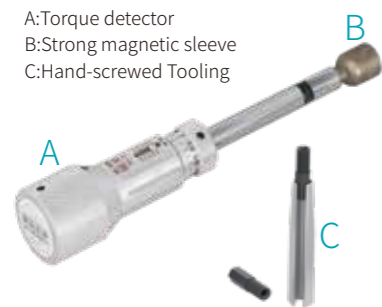
- ◆ Used with 1/4-28UNF threaded fittings
- ◆ Suitable for Multiport valves, Syringe pumps and other threaded fitting equipment to increase sealing performance
- ◆ Washers can be selected from two materials: FKM and FFKM

**FKM:** It can withstand the corrosion and erosion of liquids such as oil, fuel, alcohol, phenols, ketones, and ethers, and can be applied in most pH environments between 7 and 11.

**FFKM:** It has good corrosion resistance in strong acids, bases, organic solvents, oxidants, and hot water. Its corrosion resistance is much higher than FKM, and its application temperature range can reach -20 °C to 320 °C. FFKM can withstand most pH environments between 0 and 14. In extreme acid-base conditions, such as concentrated nitric acid, concentrated hydrofluoric acid, and some strong alkaline solutions, it is recommended to use FFKM material.



A: Torque detector  
B: Strong magnetic sleeve  
C: Hand-screwed Tooling



### Hand-screwed Tooling

#### Tight fit/Highly efficient/Finger protection

- ◆ The handle part of the hand-screwed tooling is designed to be longer and larger, larger force area makes it easier to tighten and labor saving.
- ◆ More suitable for fittings located in narrow space.

### Torque Tooling

#### Easy operation / Time-saving & High efficiency / Adjustable torque

- ◆ The handle is longer and larger, with a larger force area, which makes it easier to tighten with less effort
- ◆ Threaded fittings in small spaces are more suitable for tightening with torque tooling.
- ◆ Prevent leakage due to untightened fittings.
- ◆ Prevent the tube from falling off due to excessive torque.

#### How to use torque tooling

- ① Screw the flangeless fitting to the equipment by hand, no need to tighten.
- ② Turn the torque detector adjustment wheel to set the torque value.
- ③ Assemble the strong magnetic sleeve to the torque detector, then install the wrench to the strong magnetic sleeve, finally slowly clockwise tighten the flangeless fittings with this assembly set.
- ④ When the torque value is reached, the torque detector rotates and slips and makes a "click click" sound.

SKU	Model No.	Description	Adapt to Strong magnetic sleeve	Qty
<b>Accessories</b>				
1011010100	SNGZ-1-X	Suitable for : WF09B, WP08B, WK11A, WF01B, WD01B, WF15E, WF25E, WF16B, WF16BL, WF20B, WF20BL, WD25B, WD25BL, WD30B, WD30BL, WD32B, WD30BL, WF35E, WF21B, WF26B, WD33B flangeless fittings	10*42	1Piece
1011010103	SNGZ-5-X	Suitable for : WF10C-6-40-K flangeless fittings	10*42	1Piece
1006010472	SNGZ-10-1	Suitable for : WF05EL, WF05E, WD05EL, WD05E, WF06EL, WD06EL, WD16EL, WF16EL, WD36EL, WDD11F-32K, WK11F-10-32-K flangeless fittings	10*42	1Piece
1006010473	SNGZ-YX-X	Suitable for : WF10A, WD10A, WD020A, WDD flangeless fittings	13*42	1Piece
1011010101	SNGZ-2-X	Suitable for : WF06B, WD06B, WF07B, WP07B flangeless fittings	13*42	1Piece
1011010126	SNGZ-8-X	Suitable for : WK11C-10-32-K, WF13G-10-32-K flangeless fittings	13*42	1Piece
1006010489	SNGZ-11-X	Suitable for : WF03G, WD03G, WD06G, WF16G, WF20G, WD25G, WD30G, WD32G, WF21G, WF26G, WD33G, WD03G flangeless fittings	13*42	1Piece
1011010104	SNGZ-6-X	Suitable for : WD06B-20K-Black flangeless fittings	19*65	1Piece
1006020073	SNGZ-HX	For Waved nut head pre-torque flangeless nut with Hand tighten tooling	—	1Piece
1006020074	SNGZ-YJLDZ-YX	For Kneuled nut head pre-torque flangeless nut with Hand tighten tooling	—	1Piece
1066080004	10*42	Strong magnetic sleeve: Total length 42mm, ID of sleeve 10mm	—	1Piece
1066080014	13*42	Strong magnetic sleeve: Total length 42mm, ID of sleeve 13mm	—	1Piece
1066080015	19*65	Strong magnetic sleeve: Total length 65mm, ID of sleeve 19mm	—	1Piece
1066080003	N20LTDK	Torque detector: The torque value can be set to tighten the fitting within the torque range	—	1Piece

SKU	Model No.	Thread	Dimension(mm)	Material
<b>Plain Washer</b>				
1000000105	φ5*φ2-*1-FKM	1/4-28UNF	OD 5.0 * ID 2.0 * H 1.0	FKM black
1000000106	φ5*φ2-*1-FFKM	1/4-28UNF	OD 5.0 * ID 2.0 * H 1.0	FFKM black

## Rubber Tube

Brand: Saint-Gobain

Hardness: 61 A

Application: Saint-Gobain is standard choice for peristaltic pumps

### Peristaltic Pump Tubing

- Excellent mechanical strength, autoclavable, stretchable, non-toxic,
- nonhemolytic
- Continuous operating temperature: -60°C to + 135°C
- Compatible with most CIP solutions and SIP
- Breathability: 80 (for nitrogen test, the higher the value, the better the tube breathability, and vice versa. ozone resistance, and UV resistance
- Resistance to acids and alkalis: average
- Pump tube service life: 1000 hours (this value is provided by Saint-Gobain and is for reference only)\*
- Certification: USP Class VI, FDA, NSF, ISO 10993
- **RoHS Certified**

\* Test conditions for pump tube service life : 17 tubes (6.4\*9.6\*1.6), at room temperature 23 degrees, with U.S. MasterFlex peristaltic pump and 3 roller Easy-Load pump head, at 600rpm, displacement back pressure: 0psi, media: water, continuous uninterrupted operation until the pump tube cracks ( the data is provided by Saint-Gobain, for reference only)

### Long-Life, Temperature-Resistant Food & Beverage Tubing

- Continuous operating temperature: -59 °C~135 °C
- Features:
  1. Can withstand almost all commonly used disinfectants and cleaning agents
  2. Resistance to ozone and ultraviolet radiation
  3. Can be repeatedly heated and pressurized
  4. Has chemical resistance to various foods and cleaning agents
  5. Has excellent bending fatigue resistance

### High-precision, Chemical Dispensing Tubing

- Continuous operating temperature: -60 °C~135 °C
- Features:
  1. Excellent weather resistance
  2. It has excellent resistance to inorganic acids and alkalis
  3. It has better air tightness than rubber hoses and can be connected without the need for connectors
  4. Wear resistance, ozone resistance (300pphm) and UV resistance

### Long-Life, Chemical Transfer Tubing

- Continuous operating temperature: -60 °C~74 °C
- Certification: Food grade, compliant with FDA certification
- Features:
  1. Excellent chemical resistance
  2. Plasticizer free inner chamber
  3. Anti fluid adsorption
  4. Almost unaffected by chemical disinfectants and cleaning agents
  5. Elastic outer layer ensures long pump tube life



SKU	Model No	WT (mm)	ID	OD	Colour
<b>Peristaltic Pump Tubing</b>					
1005010038	Pharmed BPT-0038-008	0.8	0.38	1.98	Opaque beige
1005010040	Pharmed BPT-0064-008	0.8	0.64	2.24	Opaque beige
1005010041	Pharmed BPT-0076-008	0.8	0.76	2.36	Opaque beige
1005010042	Pharmed BPT-0089-008	0.8	0.89	2.49	Opaque beige
1005010043	Pharmed BPT-0102-008	0.8	1.02	2.62	Opaque beige
1005010028	Pharmed BPT-0114-008	0.86	1.14	2.86	Opaque beige
1005010044	Pharmed BPT-0130-008	0.8	1.3	2.9	Opaque beige
1005010045	Pharmed BPT-0142-008	0.8	1.42	3.02	Opaque beige
1005010046	Pharmed BPT-0152-008	0.8	1.52	3.12	Opaque beige
1005010047	Pharmed BPT-0165-008	0.8	1.65	3.25	Opaque beige
1005010048	Pharmed BPT-0185-008	0.8	1.85	3.45	Opaque beige
1005010035	Pharmed BPT-0206-008	0.8	2.06	3.66	Opaque beige
1005010056	Pharmed BPT-0050-016	1.6	0.5	3.7	Opaque beige
1005010049	Pharmed BPT-0229-008	0.8	2.29	3.89	Opaque beige
1005010057	Pharmed BPT-0200-010	1.0	2.0	4.0	Opaque beige
1005010031	Pharmed BPT-0080-016 (13#)	1.6	0.8	4.0	Opaque beige
1005010050	Pharmed BPT-0254-008	0.8	2.54	4.14	Opaque beige
1005010039	Pharmed BPT-0279-008	0.8	2.79	4.39	Opaque beige
1005010026	Pharmed BPT-0160-016 (14#)	1.6	1.6	4.8	Opaque beige
1005010058	Pharmed BPT-0300-010	1.0	3.0	5.0	Opaque beige
1005010034	Pharmed BPT-0240-016 (19#)	1.6	2.4	5.6	Opaque beige
1005010060	Pharmed BPT-0400-010	1.0	4.0	6.0	Opaque beige
1005010029	Pharmed BPT-0320-016 (16#)	1.6	3.2	6.4	Opaque beige
1005010059	Pharmed BPT-0400-016	1.6	4.0	7.2	Opaque beige
1005010027	Pharmed BPT-0480-016 (25#)	1.6	4.8	8.0	Opaque beige
1005010033	Pharmed BPT-0640-016 (17#)	1.6	6.4	9.6	Opaque beige
1005010030	Pharmed BPT-0480-025 (15#)	2.5	4.8	9.8	Opaque beige
1005010037	Pharmed BPT-0800-016 (18#)	1.6	7.9	11.1	Opaque beige
1005010052	Pharmed BPT-0640-024 (24#)	2.4	6.4	11.2	Opaque beige
1005010036	Pharmed BPT-0950-032 (73#)	3.2	9.5	15.9	Opaque beige
1005010053	Pharmed BPT-0127-032 (82#)	3.2	12.7	19.1	Opaque beige
<b>Long-Life, Temperature-Resistant Food &amp; Beverage Tubing</b>					
1066020102	A-60-F-0160-016 (14#)	1.6	1.6	4.8	Opaque beige
1066020104	A-60-F-0320-016 (16#)	1.6	3.2	6.4	Opaque beige
1066020106	A-60-F-0480-016 (25#)	1.6	4.8	8.0	Opaque beige
1066020107	A-60-F-0640-016 (17#)	1.6	6.4	9.6	Opaque beige
1066020108	A-60-F-0640-025	2.5	6.4	11.4	Opaque beige
1066020109	A-60-F-0960-033	3.3	9.6	16.2	Opaque beige
1066020110	A-60-F-1270-033	3.3	12.7	19.3	Opaque beige
<b>High-precision, Chemical Dispensing Tubing</b>					
1066020111	A-60-G-0160-016 (14#)	1.6	1.6	4.8	Opaque black
1066020112	A-60-G-0320-016 (16#)	1.6	3.2	6.4	Opaque black
1066020113	A-60-G-0480-016 (25#)	1.6	4.8	8.0	Opaque black
<b>Long-Life, Chemical Transfer Tubing</b>					
1066020138	Chemical-0080-016 (13#)	1.6	0.8	4.0	Opaque beige+Teflon Transparen
1066020115	Chemical-0320-016 (16#)	1.6	3.2	6.4	Opaque beige+Teflon Transparen
1066020116	Chemical-0480-016 (25#)	1.6	4.8	8.0	Opaque beige+Teflon Transparen
1066020117	Chemical-0640-016 (17#)	1.6	6.4	9.6	Opaque beige+Teflon Transparen

## MasterFlex Viton Tube



Viton is strong, resilient and flexible, provides excellent resistance to corrosive liquid such as acids, alkalis and some aggressive chemical solvents

- Continuous operating temperature: -32°C to +204°C
- Hardness: 75 A
- Ultra pure, non-toxic, excellent chemical inertness
- Breathability: low breathability
- UV resistance: A
- Ozone resistance: A
- Resistance to acids and bases: strong acids and bases (e.g. 98% concentrated sulphuric acid), some corrosive organic solvents (e.g. chloroform)
- Pump tube service life:  $\geq 500$  hours
- Opaque black color helps protect light sensitive fluid
- **Certification: FDA and ADCF compliant**

SKU	Model No.	WT (mm)	ID	OD	Colour
MasterFlex Viton Tube					
1005020016	9763228 (1.02*2.62)	0.8	1.02	2.62	Opaque black
1005020001	9763238 (1.65*3.25)	0.8	1.65	3.25	Opaque black
1005020004	9763242 (2.06*3.66)	0.8	2.06	3.66	Opaque black
1005020025	96412-13(13#)	1.6	0.8	4.0	Opaque black
1005020002	9763246 (2.54*4.14)	0.8	2.54	4.14	Opaque black
1005020005	96412-14(14#)	1.6	1.6	4.8	Opaque black
1005020003	96412-16(16#)	1.6	3.2	6.4	Opaque black
1005020008	96412-25(25#)	1.6	4.8	8.0	Opaque black
1005020006	96412-17(17#)	1.6	6.4	9.6	Opaque black
1005020007	96412-18(18#)	1.6	7.9	11.1	Opaque black

## Silicone Tube



A translucent medical/food grade tubing which is odourless, non-toxic, Autoclavable, stretchable

- Continuous operating temperature -50°C to +200°C
- Hardness: 55 A
- Meets FDA standard, high sterility
- Anti-thermal oxidation, ozone Aging, light aging and weather aging
- Platinum cured for reduced residual levels of siloxanes and other volatiles
- Reduced spallation than rubber tube

SKU	Model No.	WT (mm)	ID	OD	Colour
Silicone Tube					
1005030022	96405 (0.5*2.1)	0.8	0.5	2.1	Transparent
1005030018	96408 (0.4*2.4)	1.0	0.4	2.4	Transparent
1005030004	96421 (1.5*3)	0.75	1.5	3.0	Transparent
1005030001	96410 (1*3)	1.0	1.0	3.0	Transparent
1005030023	96406 (2.4*4)	0.8	2.4	4.0	Transparent
1005030002	96411 (2*4)	1.0	2.0	4.0	Transparent
1005030016	96402-13 (13#)	1.6	0.8	4.0	Transparent
1066040024	2.4*4.8	1.2	2.4	4.8	Transparent
1005030005	96402-14 (14#)	1.6	1.6	4.8	Transparent
1005030003	96413 (3*5)	1.0	3.0	5.0	Transparent
1005030009	96402-19 (19#)	1.6	2.4	5.6	Transparent
1005030006	96402-16 (16#)	1.6	3.2	6.4	Transparent
1005030017	96521 (1.6*6.4)	2.4	1.6	6.4	Transparent
1005030024	96418 (4.8*6.8)	1.0	4.8	6.8	Transparent
1005030012	96402-25 (25#)	1.6	4.8	8.0	Transparent
1005030007	96402-17 (17#)	1.6	6.4	9.6	Transparent
1005030011	96402-15 (15#)	2.5	4.8	9.8	Transparent
1005030008	96402-18 (18#)	1.6	7.9	11.1	Transparent
1005030010	96402-24 (24#)	2.5	6.4	11.4	Transparent
1005030013	96402-35 (35#)	2.5	7.9	12.9	Transparent
1066040018	6.4*13	3.3	6.4	13	Transparent
1005030014	96402-36 (36#)	2.5	9.6	14.6	Transparent
1066040062	9.6*14.8	2.6	9.6	14.8	Transparent
1005030015	96402-73 (73#)	3.5	9.6	16.6	Transparent
1005030057	BS-GJG-φ10*φ18	4.0	10.0	18.0	Transparent
1005030019	96402-82 (82#)	3.5	12.7	19.7	Transparent
1066040019	9.5*22.1 (86#)	6.3	9.5	22.1	Transparent
1066040021	12.7*22.3 (88#)	4.8	12.7	22.3	Transparent
1066040020	16*22.4	3.2	16.0	22.4	Transparent
1066040061	20.0*26.0	3.0	20.0	26.0	Transparent
1066040022	19*31.6 (90#)	6.3	19.0	31.6	Transparent
1066040023	25.4*35 (92#)	4.8	25.4	35.0	Transparent



## FEP tube

FEP tube - transparent

- Good optical clarity (96% UV transmission)
- Continuous operating temperature: FEP: -51~50°C / PTFE: -100~150°C  
*Note: The above data were measured at room temperature 20°C, at atmospheric pressure, and the test fluid was a neutral liquid.*
- Very smooth internal surfaces
- Reduced gas diffusion
- Excellent chemical resistance
- Ideal for thermoforming
- Tight dimensional tolerances
- Biocompatible
- FDA & USP Class VI compliant
- Gamma & ETO sterilizable



SKU	Model No.	WT (mm)	ID	OD	Colour
FEP Tube					
1005040028	BS-TFLG-Φ1*Φ1.6	0.3	1.0	1.6	Transparent
1005040001	TFLG00001 (0.8*1.6)	0.4	0.8	1.6	Transparent
1066050008	TFLG-Φ1.2*Φ2.0	0.4	1.2	2.0	Transparent
1005040025	TFLG0025 (0.5*Φ1.6)	0.55	0.5	1.6	Transparent
1005040002	TFLG00002 (1*2)	0.5	1.0	2.0	Transparent
1005040003	TFLG00003 (1.5*2.5)	0.5	1.5	2.5	Transparent
1005040004	TFLG00004 (2*3)	0.5	2.0	3.0	Transparent
1005040011	TFLG00009 (1.2*3)	0.9	1.2	3.0	Transparent
1005040005	TFLG00005 (2.175*3.175)	0.5	2.175	3.175	Transparent
1005040006	TFLG00006 (1.6*3.175)	0.7875	1.6	3.175	Transparent
1005040007	TFLG00007 (1.6*3.2)	0.8	1.6	3.2	Transparent
1005040024	TFLG-Φ3*Φ4	0.5	3.0	4.0	Transparent
1005040008	TFLG00008 (2.65*4)	0.675	2.65	4.0	Transparent
1005040014	BS-TFLG-Φ2*Φ4	1.0	2.0	4.0	Transparent
1066050003	TFLG-Φ3.2*Φ4.8	0.8	3.2	4.8	Transparent
1066050002	TFLG-Φ4*Φ6	1.0	4.0	6.0	Transparent
1005040027	BS-TFLG-Φ4.35*Φ6.35	1.0	4.35	6.35	Transparent
1066050001	TFLG-Φ6*Φ8	1.0	6.0	8.0	Transparent
1066050005	TFLG-Φ8*Φ10	1.0	8.0	10	Transparent

## PTFE tube

PTFE tube - milk white

- Good optical clarity (96% UV transmission)
- Continuous operating temperature: FEP: -51~50°C / PTFE: -100~150°C  
*Note: The above data were measured at room temperature 20°C, at atmospheric pressure, and the test fluid was a neutral liquid.*
- Very smooth internal surfaces
- Reduced gas diffusion
- Excellent chemical resistance
- Ideal for thermoforming
- Tight dimensional tolerances
- Biocompatible
- FDA & USP Class VI compliant
- Gamma & ETO sterilizable



SKU	Model No.	WT (mm)	ID	OD	Colour
PTFE Tube					
1066050007	TFLG-E-Φ1.0*Φ1.6	0.3	1.0	1.6	Milk white
1005040013	TFLG00001-E (0.8*1.6)	0.4	0.8	1.6	Milk white
1005040021	BS-TFLG-E-Φ0.5*Φ1.6	0.55	0.5	1.6	Milk white
1005040009	BS-TFLG-E-Φ1*Φ2	0.5	1.0	2.0	Milk white
1005040018	TFLG00003-E (1.5*2.5)	0.5	1.5	2.5	Milk white
1005040019	TFLG00004-E (2*3)	0.5	2.0	3.0	Milk white
1005040017	TFLG00005-E (2.175*3.175)	0.5	2.175	3.175	Milk white
1005040012	TFLG00007-E (1.6*3.2)	0.8	1.6	3.2	Milk white
1005040010	BS-TFLG-E-Φ3*Φ4	0.5	3.0	4.0	Milk white
1005040029	BS-TFLG-E-Φ2*Φ4	1.0	2.0	4.0	Milk white
1066050004	TFLG-E-Φ3.2*Φ4.8	0.8	3.2	4.8	Milk white
1005040026	BS-TFLG-E-Φ4*Φ6	1.0	4.0	6.0	Milk white
1005040020	BS-TFLG-E-Φ4.35*Φ6.35	1.0	4.35	6.35	Milk white
1005040030	BS-TFLG-E-Φ5*Φ8	1.5	5.0	8.0	Milk white
1066050006	TFLG-E-Φ8*Φ10	1.0	8.0	10.0	Milk white



# Chemical resistance of rubber tube

The evaluation values in the charts on this page have been provided by Saint-Gobain and reflect the relative resistance of various hose formulations to specific chemicals.

Note: The evaluation values in the table do not specifically reflect the extent to which extraction and changes in the physical properties or composition of the media may occur in contact with the hose. No representations or warranties are therefore made regarding the sensitivity of the media to contamination or changes in properties/composition due to possible extraction of the tube components by the transported media.

Prolonged exposure to certain corrosive substances which may have a damaging effect on the tube will still provide satisfactory results as they are rinsed with water after use. All evaluated values were measured at room temperature (23°C). Chemical resistance decreases with increasing temperature.

**E= excellent G= good F= normal X= not recommended**

Notes : 1. w= water solution; % concentration, if concentration is not indicated, it means 100% concentration or maximum percentage solubility in water.

2. The concentration of a fluid at room temperature is expressed as a percentage concentration by volume and the concentration of a solid as a percentage concentration by weight.

	Pharmed BPT	Pharmed BPT	Pharmed BPT
acetaldehyde	X	ASTM No. 3 oil	X
acetamide 67%w	G	barium carbonate, 1%w	E
acetate solvent (general)	G	barium hydroxide, 5-10%	E
acetic acid, 10%w	E	beer	E
acetic acid, 50-60%w	G	benzaldehyde	X
glacial acetic acid, 100%	G	benzene	X
acetic anhydride	E	benzenesulfonic acid	X
acetone	X	benzoic acid	G
acetonitrile	G	benzyl alcohol	E
acetyl bromide	F	bleach, 22%w	E
acetyl chloride	F	borax, 6% w	E
acetylene gas	E	boric acid, 4%w	E
acrylonitrile	G	liquid bromine	X
adipic acid, 100%(alcohol solution)	G	butadiene	E
air	E	butane	E
common alcohols	E	butyl acetate	G
aliphatic hydrocarbon	X	butanoll	X
allyl alcohol	F	butyric acid	G
alum, 5%w	E	calcium carbonate, dilute acid 25%	E
aluminium chloride, 53%w	E	calcium chloride, 30%w	E
aluminium hydroxide, 2%w	E	calcium hydroxide, 10% glycerin solution	E
potassium aluminium sulphate, 50%w	E	calcium hypochlorite, 20%w	E
aluminium salt	E	calcium nitrate, 55%w	E
amine	F	calcium salt	E
ammonia	E	calcium sulphate, 1%w	E
liquid ammonia	E	carbon dioxide, dry/wet	E
ammonium acetate, 45%w	E	carbon disulfide	X
ammonium carbonate, 50%w	E	carbon monoxide	E
ammonia water, 5-10%	E	tetrachlorocarbon	X
ammonia water, 30%w	E	carbonic acid	E
ammonium persulphate, 30%w	E	castor oil	F
ammonium salt	E	methylcellosolve	F
ammonium sulphate, 30%w	E	acetic acid fibrinolytic agent	F
amyl acetate	G	chlorine, dry	F
amyl alcohols	X	chlorine, wet	X
amyl chloride	F	chloroacetic acid, 20%w	G
aniline	F	trichlorobenzene, Mono Di	X
aniline hydrochloride	F	chloroform	F
antimony salt	E	chlorosulfonic acid	X
aqua regia	X	chromic acid, 10-20%w	E
aromatic hydrocarbon	X	chromic acid 50%w	F
arsenic acid, 20%w	F	citric acid, 20%w	E
arsenite	E	coconut oil	F
ASTM No. 1 oil	F	corn syrup	E
ASTM No. 2 oil	X	cottonseed oil	F
(o, m, p) methylphenol	X		
tolyl acid	G		
copper chloride, 40%w	E		
copper nitrate, 70%w	E		
copper sulphate, 13%w	E		
cyclohexane	X		
cyclohexanol	X		
detergents	G		
dibutyl phthalate	E		
diesel	X		
diethylamine, 2, 5%w	E		
diethylene glycol	E		
dimethyl formamide (DMF)	G		
dimethyl sulfoxide	E		
dioctyl phthalate	E		
dioxane	X		
ether	F		
acetic acid ethyl ester	G		
alcohol(ethanol)	F		
ethyl benzoate	X		
ethyl chloride	F		
ether	F		
ethylene bromide	X		
dichloroethanol	E		
dichloroethane	F		
glycol	E		
ethylene oxide	E		
atty acids	F		
ferric chloride, 43%w	E		
ferric nitrate, 60%w	E		
ferric sulfate, 5%w	E		
ferrous chloride, 40%w	E		
ferrous sulfate, 5%w	E		
fluoroboric acid, 48%w	X		
fluorine gas	X		
fluorosilicic acid 25%w	F		
formaldehyde, 37%w	X		
formic acid, 25%w	E		
formic acid, 40-50%w	G		
formic acid, 98%w	G		
freon 11	E		
freon 12	E		
freon 22	E		
fruit juices	E		
fuel	X		

	Pharmed BPT	Pharmed BPT	Pharmed BPT
furfural	X	methyl bromide	F
gallic acid 17% (acetone solution)	G	methyl chloride	F
motor gasoline	X	methyl ethyl ketone (MEK)	X
gelatins	E	milk	E
glucose 50% w	E	mineral oil	X
glycerol(glycerine)	E	solvent oil	X
glycolic acid, 70%w	G	molasses	E
heptane	X	Monoethanolamine	F
n-hexane	X	engine oil	X
hydrazines	F	naphtha	X
hydrobromic acid, 20%-50%w	X	naphthalene	X
hydrobromic acid, 100%w	X	natural gas	E
hydrochloric acid, 10%w	E	nickel chloride, 40%w	E
hydrochloric acid, 37%w	G	nickel nitrate, 75%w	E
hydrocyanic acid	E	nickel salt	E
hydrofluoric acid, 10%w	X	nickel sulfate, 25%w	E
hydrofluoric acid, 25%w	X	nitric acid, 10%w	E
hydrofluoric acid, 40-48%w	X	nitric acid, 35%w	E
hydrogen	E	acid, 68-71%w	X
hydrogen peroxide, 3%w	E	nitrobenzene	X
hydrogen peroxide, 10%w	E	nitromethane	X
hydrogen peroxide, 30%w	E	nitrite, 10%w	E
hydrogen peroxide, 90%w	G	nitrous oxide	E
hydrogen sulphide	E	animal oil	F
hydroquinone, 7%w	G	oil, basic	X
potassium hypochlorite, 25%w	E	hydraulic oil (phosphate ester)	X
iodine, 50ppm w	E	hydrocarbon oil	X
isobutanol	F	vegetable oil	F
isooctan	X	oleic acid	F
isopropyl acetate	G	oleum, 25%w	E
isopropanol	F	o-dichlorobenzene	X
Isopropyl ether	F	oxalate, 12%w	G
Jet engine fuel, JP8	X	oxygen	E
kerosene	X	ozone, 300ppm	E
ketone	X	palmitic acid, 100% ether	F
Paint solvent	G	paraffin wax	X
lactic acid, 3-10%w	E	perchloric acid, 67%w	E
lactic acid, 85%w	G	perchloroethylene	F
lard, animal fat	F	phenol, 5-10%	E
lead acetate, 35%w	E	phenol, 91%w	E
lead salt	E	phosphoric acid <10%w	E
lemon oil	X	phosphoric acid, 25% w	E
D-lemon essence	X	phosphoric acid, 85%w	E
linoleic acid	F	phosphoric acid trichloride	G
linseed oil	F	developer	G
lubricating oil, petroleum	X	phthalate, 9% (alcohol solution)	E
magnesium carbonate, 1%w	E	phthalate anhydride, 9% (alcohol solution)	E
magnesium chloride, 35%w	E	picric acid, 1% w	X
magnesium hydroxide, (dilute acid solution) 10%	E	electroplating solution	E
magnesium nitrate, 50%w	E	potassium carbonate, 55% w	E
magnesium sulphate, 25%w	E	potassium fluoride, 33% w	E
maleic acid, 30%w	F	health theory suit 70w	E
malic acid, 36%w	E	potassium hydroxide, <10%w	E
manganese salt	E	potassium iodide, 56%w	E
mercuric chloride, 6%w	E	potassium permanganate, 6%w	E
mercuric cyanide, 8%w	E	potassium salt	E
mercury	E	propane	E
mercuric salt	E	propanol	E
methane gas	E	propylene glycol	E
pyridine	F		
salicylic acid, 1%w	E		
silicone oil	F		
silver nitrate 55%w	E		
special hydraulic oil, 500A	X		
soapy liquid	G		
sodium acetate, 55%w	E		
sodium benzoate, 22%w	E		
sodium bicarbonate, 7%w	E		
sodium carbonate, 7%w	E		
sodium chlorate, 45%w	E		
sodium chloride, 20%w	E		
sodium cyanide, 30%w	E		
sodium fluoride, 3%w	E		
sodium hydroxide, 10-15%w	E		
sodium hydroxide, 30-40%w	E		
sodium hypochlorite, 5, 5%w	E		
sodium hypochlorite, 12, 2%w	E		
sodium nitrate, 3,5% w	E		
sodium salt	E		
sodium sulfate, 5% w	E		
sodium sulfide, 45% w	E		
sodium sulfite, 10% w	E		
tin tetrachloride, 50% w	E		
tin dichloride, 45% w	E		
stearic acid, 5% (alcohol solution)	F		
styrene monomer	X		
sulfur chloride	X		
sulfur dioxide, dry gas	E		
sulfur dioxide, moisture	E		
sulfur trioxide, wet	G		
sulphuric acid, 10%w	E		
sulphuric acid, 30%w	E		
sulphuric acid, 95-98%w	X		
sulfite	E		
tannic acid, 75%w	G		
tartaric acid, 56%w	E		
tetrahydrofuran	E		
thionyl chloride	X		
stannic salt	E		
titanium salt	E		
toluene	X		
trichloroacetic acid, 90%w	G		
trichloroethane	F		
triethanolamine	F		
trichloroethylene	X		
trichloropropane	F		
trimethylbenzene phosphate	E		
trisodium phosphate	E		
turpentine	X		
urea, 20% w	E		
uric acid	E		
vinegar	E		
vinyl acetate	G		
deionized water	E		
distilled water	E		
xylene	X		
zinc chloride, 80% w	E		
zinc salt	E		



## Chemical resistance of viton tube

The evaluated values in the charts on this page are provided by MasterFlex, all values were measured at room temperature (20°C) and are for reference only.

**1=excellent 2=good 3=normal X=not recommended**

Viton	Viton	Viton			
accumulator acid (sulphuric acid 30%)	1	amyl borate	1	boric acid,	1
acetaldehyde	2	amyl chloride	2	brake fluid, ATS	1
acetamide	1 to 2	aniline (aminobenzene)	1 to 2	brandy, all kinds	1
acetic acid 10%	2	aniline dyes	1	brine (table or common salt solution)*1	1
acetic acid 100% (conc.)	x	aniline hydrochloride	x	bromine	1
acetic acid 25%	2	animal fats (oils and greases, adipose)	1	bromine water	1
acetic acid 3%	2	anol (cyclohexanol)	1	bromobenzene	1
acetic acid 50%	2	anone (cyclohexanone)	x	butadiene	2
acetic acid anhydride 50%	x	anthraquinone sulfonic acid,	1	butan diols (butylene glycols)	2
acetic acid ethyl ester (ethyl acetate)	x	antichlorine (sodium thiosulphate)	1	butane diacid	1
acetone	x	antimony chloride 50%	1	butane gas	1
acetyl salicylic acid (aspirin)	1	antimony chloride, anhydrous	1 to 2	butane, liquid	1
acetylacetone	x	apple acid, (apple juice)	1	butanol (butyl alcohol)	2 to 3
acetylene gas	1	aqua fortis (nitric acid 50%)	1 to 2	butanone (methyl ethyl ketone MEK)	x
acids see spec. designation, applicable in general	1-2	aqua regia (nitrohydrochloric acid)	2	butine diol	3
acrylic acid ethyl ester (ethyl acrylate)	x	argon gas	1	butter milk	1
acrylonitrile	2	aromatics see benzene, toluene, xylene	1-2	butter	1
adipic acid (hexane diacid)	1	homologues, applicable in general	1	butyl acetate (acetic acid butyl ester)	x
adipic acid diethyl ester	x	arsenic acid	1	butyl benzoate	1
adipose (animal grease)	1	ascorbic acid (vitamin C)	1	butyl carbitol	1
air, atmospheric, oil-free, to +°C	200	asphalt (pitch)	1	butyl ether	x
air, oil-saturated, to +°C	200	ASTM fuel A (isooctane, free of aromatics)	1	butyl glycol	1
alcohols see specific designations, applicable in general	1-2	ASTM fuel B	1	butyl oleate	1
aliphatics see gasoline low aromatic, applicable in general	1	ASTM fuel C	1	butyl phenols	3
aldehyde see specific designations, applicable in general	2-x	ATS-brake fluid	1	butyl stearate	1
allyl alcohol (propenol)	3	avgas, aviation gasoline (kerosene)	1	butylamine	x
allyl chloride (3-chloropropene)	x	bacon fat	1	butylene, liquid (butene)	1
alum (potassium aluminium sulphate)	1	baking soda (sodium bicarbonate, )	1	butyraldehyde	x
aluminium acetate, (basic aluminium acetate)	x	barium chloride,	1	butyric acid,	2
aluminium chloride,	1	barium hydroxide	1	calcium acetate	x
aluminium fluoride	1	barium sulphate (barite)	1	calcium bisulphate,	1
aluminium hydroxide	1	barium sulphide	1	calcium bisulphite,	1
aluminium nitrate,	1	barm (yeast),	1	calcium carbonate	1
aluminium phosphate,	1	bases (lyes) see exact designation, applicable in general	2	calcium chloride,	1
aluminium sulphate,	1	beer	1	calcium hydroxide, (slaked lime)	1
amines see specific designations, applicable in general	2-3	benzaldehyde (oil of bitter almonds, benzoic aldehyde)	2 to 3	calcium hypochlorite,	1
amino acetic acid (glycine)	1	benzene see also gasoline	2-3	calcium nitrate	1
ammonia nitrate,	3	benzoic acid,	1	calcium oxide = calcinated lime	1
ammonia, 25% (ammonia water)	1	benzyl alcohol	1	calcium sulphate (gypsum),	1
ammonia, gaseous 20°C	1	benzyl benzoate	1	calcium sulphide	1
ammonia, liquid 100%	x	benzyl chloride	1	camphor (camphor oil)	3-x
ammonium acetate,	x	bicarb, bicarbonate of soda (sodium bicarbonate)	1	cane sugar (sugar),	1
ammonium carbonate,	1	bio-gas clean	1	carbamide, urea,	1
ammonium chloride, 3%	1	biphenyl (diphenyl)	1	carbitol (diethylene glycol monoethyl ether)	2
ammonium diphosphate,	1	biphenyls, polychlorinated (pyranols, transformer oils)	1	carbolic acid (phenol)	1
ammonium fluoride,	1 to 2	bis (2-hydroxyethyl) ether	1	carbolineum,	1
ammonium hydroxide, (ammonia, )	1	bismuth carbonate	1	carbon bisulphide	1
ammonium metaphosphate	1	bisulphite lye containing SO2	1	carbon dioxide, gaseous, wet and dry	1
ammonium nitrate	1	bitter-salt (magnesium sulphate)	1	carbon monoxide	1
ammonium persulphate,	1	bitumen 20°C (see also hot bitumen)	1	carbon tetrachloride (tetrachloromethane)	1
ammonium phosphate,	1	black lye (cellulose extraction)	1	castor oil, ricinus oil	1
ammonium sulphate	1	blanc-fixe (barium sulphate)	1	caustic lime (calcium oxide)	1
ammonium thiocyanate	1	bleaching lye (javelle-lye, potassium hypochlorite)	1	cellulube (hydraulic oil, phosphate ester based)	1
amyl acetate (acetic acid pentyl ester, banana oil)	x	bone oil	1	ceolithe	1
amyl alcohols (pentanols)	2	borax (sodium borate)	1	chile salpêtre (sodium nitrate)	1

Viton	Viton	Viton			
china wood oil (wood oil)	1	dichloroethylene (dichloroethene)	2	fluorhydric acid see hydrofluoric acid	2
chloral hydrate (trichloroacetal dehydrate)	3	dichloro-isopropyl ether	3	fluorine, liquid	1
chloramine	1	dichloromethane (methylene chloride)	2	fluorobenzene	2
chloric acid,	x	diesel oil	1	fluoroboric acid 65%	1
chlorinated hydrocarbons see specific desig, applicable in general	2	diethyl ether (ether)	3-x	fluorosilicic acid,	2 to 3
chlorinated lime (calcium hypochlorite)	1	diethyl sebacate	2	with 8 -12 % methyl alcohol additive)	1
chlorinated water 3%	1	diethylamine	2	formamide	2 to 3
chlorine dioxide	1	diethylene glycol monoethyl ether (carbitol)	2	formic acid:	
chlorine, dry	1	diethylene glycol (diglycol)	1	0,03	2
chlorine, wet	1	diglycolic acid,	1	0,1	3
chloroacetic acid (monochloroacetic acid)	x	dilutions for paints and lacquers determine composition		1	x
chlorobenzene (monochlor benzene)	1	dimethyl ether (methyl ether)	3	fruit juices* 1	1
chlorobiphenyl (clophen)	1	dimethyl formamide (DMF)	3	fruit pulp*1	1
chlorobromomethan	1	dimethyl heptanone (diisobutyl keton)	x	fuming sulphuric acid: (oleum)	1
chlorocalcium (calcium chloride)	1	dimethyl phthalate	2	fungi (microbes)	1
chloroethanol (ethylene chlorhydrine)	x	dimethyl sulphoxide (DMSO)	x	furan	x
chloroethyl (ethyl chloride)	1-2	dimethylamine	x	furfural alcohol (furfurol)	3
chloroform (trichloromethane)	1	dimethylaniline (xylydine)	1	gallic acid	1
chloromethane (methyl chloride)	2	dioctyl phthalate (DOP)	1 to 2	gasoline in general (see specific designations)	1
chloroprene (chlorinated butadiene)	1	dioctyl sebacate	2	gasoline, lead-free	1
chlorosulfonic acid	x	dioxane (diethylene dioxide)	x	gasoline, super	1
chlorothene (trichloroethane)	1	dipentene (limonene)	1	gasoline, ASTM fuel A (isooctan, free of aromatics)	1
chromic acid 10%	2	diphenyl	1	gasoline, ASTM fuel B	1
chromic acid 25%	1	diphenyl oxid (diphenyl ether)	2 to 3	gasoline, ASTM fuel C	1
chromic acid 50%	1	dipropylene glycol	1	gasoline, diesel, heating oil	1
citric acid	1	dodecyl alcohol (lauryl alcohol)	1	gasoline, aviation (kerosene)	1
clophen (chlorobiphenyl)	1	Eau de Javelle (potassium hypochlorite)	1	gasoline, high aromatic	1
coal tar (see also hot tar, creosote)	1	epichlorohydrin, liquid	x	gasoline, low aromatic	1
coconut grease and oil	1	epsom salt (magnesium sulphate)	1	gasoline, test- (heavy g., white spirit, mineral turpentine)	1
cod-liver oil	1	esters see specific designations, applicable in general	3-x	gasoline/benzene (50/50)	2
common salt (sodium chloride)	1	ethane (gas)	1	gasoline/benzene (60/40)	2
compressed air, oil-saturated, to +°C	200	ethanol (ethyl alcohol)	1	gasoline/benzene (70/30)	1
copper acetate	x	ethanolamine (2-aminoethanol)	3	gasoline/benzene (80/20)	1
copper chloride,	1	ethene (ethylene)	1	gasoline/benzene/ethanol (50/30/20)	x
copper cyanide	1	ethers see specific designations, applicable in general	3-x	gelatins, *1	1
copper fluoride	1	ether (ethyl ether, diethyl ether)	3-x	glacial acetic acid (acetic acid pure)	x
copper nitrate,	1	etheric oils *1	1	Glauber's salt (sodium sulphate)	1
copper sulphate, (blue vitriol)	1	ethyl acetate	x	glue, animal	1
corn oil	2	ethyl acrylate (acryl acid ethyl ester)	x	glycerine (glycerine, propane-1,2,3-triol)	1
corn sugar (glucose, dextrose, grape sugar)	1	ethyl alcohol (denatured = spirits)*1	2 to 3	glycine (amino acetic acid), 10%	1
cottonseed oil	1	ethyl benzene	2	glycolic acid (hydroxy acetic acid), 30%	1
cow suet	1	ethyl bromide (bromomethane)	1	grape juice unfermented*1	1
creosote	1	ethyl chloride (chloroethane)	1 to 2	greases in general, see oils and greases	1
cresols, cresylic acids	1	ethyl dichloride (dichloroethylene)	2	gypsum (calcium sulphate)	x
crotonaldehyde (2-butenal)	1	ethyl ether (ether)	3-x	halogenes (look at: fluorine, chlorine, bromine, iodine)	1
crude oil, high aromatic	1	ethylene glycol acetate	x	halogenated hydrocarbons see spec. design applicable in general	1-2
cumene (isopropylbenzene)	1	ethylene chloride (dichloroethylene)	2	heavy gasoline (white spirit or mineral turpentine)	1
cyankali (potassium cyanide)	2	ethylene chlorhydrine (chloroethanol)	x	helium	1
cyclohexane (hexahydrobenzene)	1	ethylene diamine	1	heptane	1
cyclohexanol (hexaline)	1	ethylene (gas) (ethene)	1	hexahydrobenzene (cyclohexane)	1
cyclohexanone	x	ethylene glycol (glycol, ethane-1,2-diol)	x	hexaldehyde	x
cyclohexylamine	x	ethylene oxid (1,2-epoxy methane), liquid	x	hexaline (cyclohexanol)	1
decalin (decahydronaphthalene)	1	fats in general see oils and greases	1	hexane (n-hexane)	1
detergents, synth. 20°C	1	fatty acids, with >7 C-atoms, in general	1	hexanol (hexyl alcohol)	2
diacetone alcohol	x	fatty acids, with 1-7 C-atoms, in general	2	hexane-triol	1
dibenzyl ether	1	fermented fruit juice*1	1	hexene	1
dibutyl amine	x	ferric chloride (ferri),	1	hot bitumen to °C	180
dibutyl phthalate	2	ferric sulphate, ferric vitriol	1	hydraulic oils and -liquids:	
dibutyl sebacate	2	fertilizing salt	1	~mineral oil based	1
dichlorobenzene	2 to 3			~phosphate ester based (pydraul)	1
dichloroethane	2-3			hydrazines (diamides)	2 to 3

	Viton	Viton	Viton
hydrazine hydrate,	1	melamine	1
hydrobromic acid	1	menthol	1
hydrocarbons aliphatic general(see spec. designation)	1	mercury	1
hydrocarbons aromatic general(see spec. designation)	1-2	mercuric chloride (sublimite)	1
hydrocarbons halogenated general (see spec.designation.)	1-2	mercurious nitrate	1
hydrochloric acid 15%	1	mesityl oxide	x
hydrochloric acid 38% (conc.)	1	methane (gas)	1
hydrochloric acid, (hydrochlorous) gaseous	1	methanol (methyl alcohol)	2
hydrofluoric acid 10%	1 to 2	methyl acetate (acetic acid methyl ester)	x
hydrofluoric acid 30%	1 to 2	methyl acrylate	x
hydrofluoric acid 75%	2	methyl alcohol	2
hydrofluorocilicic acid,	2 to 3	methyl bromid (bromomethane)	2
hydrogen (gaseous)	1	methyl chloride (chloromethane)	2
hydrogen peroxide 10%	1 to 2	methyl chloroform (trichloroethane)	1
hydrogen peroxide 30%	1	methyl ethyl ketone (MEK)	x
hydrogen sulphide, dry	1	methyl glycol (methylcellosolve)	x
hydrogen sulphide, wet	1	methyl glycol acetate	x
hydroquinone,	2	methyl isobutyl keton	x
hydroxylamine sulphate,	1	methyl oxiran (propylene oxide)	x
ink	1	methyl phthalate (dimethyl phthalate)	2
iodine tincture (5-10% alcohol iodine solution)	1	methylamine,	2 to 3
isobutanol (isobutyl alcohol)	1	methylated spirits (ethanol denaturated)	1
isooctane	1	methylene chloride (dichloromethane)	2
isooctanol (isooctyl alcohol)	1	microbes	1
isophoron	x	milk*1	1
isopropanol (isopropyl alcohol)	1	mixed acid II (sulphuric acid/phosphoric acid)	1
isopropyl acetate	x	mixed acid I (sulphuric acid/nitric acid/water)	x
isopropyl benzene (cumen)	1	molasses*1	1
isopropyl chloride	1	monochloroacetic acid	x
isopropyl ether	3	monochlorobenzene	1
Javelle lye (potassium hypochlorite)	1	monochloromethane (methyl chloride)	2
jet fuel DPI-IPS	1	monostyrol (styrol, styrene, monomeric)	2
kerosene	1	morpholine	2
ketones see specific designations, applicable in general	x	must fermented (fermented fruit juice)	1
lactic acid*1	1	must, unfermented*1	1
lanolin (wool grease)	1	mustard	x
laughing-gas (nitrous oxide)	1	myristyl alcohol, myristic alcohol (tetradecanol)	1
lauryl alcohol (dodecyl alcohol)	1	naphtha	1
lavender oil*1	1	naphthalene (stone oil)	1
lead acetate,	1	natron (sodium bicarbonate)	1
lead nitrate	1	natural gas, wet	1
lead sulphate	1	natural gas, dry	1
lignite tar oil (see coal tar)	1	n-hexane	1
lime, slaked (calcium hydroxide)	1	nickel acetate	x
limestone (calcium carbonate)	1	nickel chloride,	1
linseed oil*1	1	nickel sulphate,	1
lithium chloride,	1	nitratine (nitrate of sodium)	1
lyes see exact designation, applicable in general	2	nitrating acid (mixed acid I)	x
magnesium chloride,	1	nitric acid 10%	1
magnesium hydroxide	1	nitric acid 25%	1 to 2
magnesium silicate (talc)	1	nitric acid 50% (aqua fortis)	1 to 2
magnesium sulphates	1	nitric acid 60%	2
magnesium sulphite,	1	nitro-benzene	2
maize oil*1	1	nitrogen	1
maleic acid,	1	nitrogen oxides (nitrouse gases)	3
maleic anhydride	3	nitro-glycerin	1
manure	1	nitro-methane	x
margarine-greases and oils*1	1	nitro-propane	x
marsh gas (mine damp, methane)	1	nitro-toluole	3
mash*1	1	nitrous fumes (nitrogen oxides)	3
MEK (methyl ethyl ketone)	x	nitrous oxide (laughing gas)	1
		N-methylpyrrolidone (NMP)	3
		nonyl alcohol (nonanol)	1
		octane	1
		octanol = octyl alcohol	1
		oils and greases:	
		-animal*1	1
		-ASTM-oil Nr. 1 20°C	1
		-ASTM-oil Nr. 2 20°C	2
		-ASTM-oil Nr. 3 20°C	2
		-crude oil, high aromatic	1
		-diesel oil	1
		-heating oil	1
		-hydraulic oils and -liquids:	
		-mineral oil based	1
		-phosphate ester based (pydraul)	1
		-mineral, without additives, at 20°C	1
		-mineral, without additives, to °C	200
		-silicon based	1
		-transformer oils (pyranols)	1
		-vegetable oils	1
		oil of bitter almonds (benzaldehyde)	2 to 3
		oleic acid, olein	2
		oleum (fuming sulphuric acid)	1
		oleum vapours	3
		olive oil*1	1
		oxalic acid,	1
		oxidant see specific designations, applicable in general	1
		oxirane (ethylene oxide)	x
		oxygen pure to +°C	200
		ozone (atmospherical concentrations)	1
		ozone 100%	1
		palm oil, palm pip oil*1	1
		palmitic acid	2
		paraffin, paraffin oils	1 to 2
		paraformaldehyde	2
		pec+K228+J+J8:L54	1
		pentane	1
		pentanols (amyl alcohols)	2
		perborate (sodium borate)	1
		perchloric acid,	1
		perchloroethylene (tetrachloroethylene)	1
		permanganate (potassium permanganate) 10 %	1
		petroleum, without additives, at 20°C	1
		petroleum, without additives, to °C	200
		petroleum spirit (white spirit, solvent naphta)	1
		phenol (carbolic acid),	1
		phenyl ether (diphenyl oxide)	2 to 3
		phenylbenzene (biphenyl)	1
		phorone (diisopropylidene acetone)	x
		phosphoric acid 3%	1
		phosphoric acid 50%	1
		phosphoric acid 85%	1
		phosphoric alumina (aluminium phosphates, )	1
		phosphorus oxychloride	1
		photo-emulsions, in general (see exact chem. esignation)	2
		phthalic acid	x
		phthalic acid anhydride,	x
		phthalic acid ester (phthalates)	1
		picric acid	1 to 2
		pine oil*1	1
		potash (potassium carbonate)	1

	Viton	Viton	Viton
potassium acetate,	2 to 3	silicon oils and -greases	1
potassium aluminium sulphate (alum)	1	silver nitrate,	1
potassium bicarbonate (potassium hydrogen carbonate)	1	skydrol (hydraulic liquids, phosphate ester based)	1
potassium bichromate (potassium dichromate)	1	slaked lime (calcium hydroxide )	1
potassium bisulphate,	1	soapsuds, -solution, detergents)	1
potassium borate,	1	(sodium carbonate anhydrous)	1
potassium bromate, , 10%	1	soda salpêtre (sodium nitrate)	1
potassium bromide,	1	soda, calcinated (sodium carbonate anhydrous)	1
potassium carbonate (potash)	1	soda, crystallised (sodium carbonate )	1
potassium chlorate,	1	sodium bicarbonate (sodium-hydrogencarbonate),	1
potassium chloride,	1	sodium bisulphate (sodium-hydrogensulphate)	1
potassium chromate, , 40%	1	sodium bisulphite (sodium-hydrogensulphite),	1
potassium cyanide (cyankali),	2	sodium borate (borax)	1
potassium dichromate,	1	sodium bromide	1
potassium hydroxide (caustic potash,-lye) 10%	1	sodium carbonate (soda)	1
potassium hydroxide (caustic potash, lye) 50%	2 to 3	sodium chlorate,	1
potassium hypochlorite (Javelle)	1	sodium chloride (muriate of soda, common or table salt)*1	1
potassium iodide,	1	sodium chlorite	1
potassium nitrate,	1	sodium cyanide	1
potassium perchlorate,	1	sodium dichromate	1
potassium permanganate 10%,	1	sodium fluoride	1
potassium peroxy disulphate (potassium persulphate)	1	sodium fluoroaluminate 10%	1
potassium phosphate (mono and dibasic)	1	sodium hydroxide (sod lye) 25%, 100°C	x
potassium sulphate	1	sodium hydroxide (sod lye) 25%, 20°C	3
potassium sulphite	1	sodium hypochlorite 10%	1
propane gas	1	sodium hypochlorite 30%	2 to 3
propane, liquid	1	sodium metaphosphate	1
propanol (propyl alcohol)	1	sodium nitrate,	1
propargyl alcohol, 7%	1	sodium nitrite	1
propionic acid (propane acid)	1	sodium perborate	1
propyl acetates (acetic acid propyl esters)	x	sodium percarbonate (bleaching agent)	1
propyl alcohol (propanol)	1	sodium peroxide	1 to 2
propylamine	x	sodium phosphate (see also trisodium phosphate)	1
propylene (propene)	1	sodium silicate,	1
propylene glycols (propandiols)	1	sodium sulphide,	x
propylene oxide (methylloxiran)	x	sodium sulphate (Glauber`s salt),	1
prussic acid 20%	1 to 2	sodium sulphite,	1
prussic acid 98% (conc.)	1 to 2	sodium thiosulphate (antichlorine)	1
pydraul (hydraulic liquids phosphate ester based)	1	solvent naphta (petroleum spirit, white spirit)	1
pyrantone (diacetone alcohol)	x	solvents see specific designations	
pyridine	3	soyabean oil*1	1
pyrrol	3	spirits (ethanol, denaturated)	1
quick lime (calcium oxide)	1	spirits of ammonia (ammonia 25% in water)	1
radiation, UV	1	spruce needle oil	1 to 2
radioactive radiation: applicable in general	x	starch syrup*1	1
rapeseed oil*1	1	starch, *1	1
raw sugar sap	1	steam of water to°C	150
redoil (aniline)	1 to 2	stearin (stearic acid)	2
ricinus oil, castor oil*1	1	stone oil (naphthalene, liquid paraffine)	1
rock salt	1	styrene, monomer	2
sal ammoniac (ammonium chloride) 3%	1	sublimate (mercury chloride)	1
salicylic acid (spiric acid),	1	sugar *1 (see also raw sugar juice)	1
salmiac (ammonium chloride)	1	sulfonic acids, in general	2
salpêtre (potassium nitrate)	1	sulfur trioxide (sulphuric acid anhydride)	1
salt (table or common salt, sodium chloride)	1	sulfur, molten, 90°C	1
salted water (brine, sea water)	1	sulphuric acid 10%	1
sangajol = turpentine oil substitue, mineral	1	sulphuric acid 30%	1
seawater	1	sulphuric acid 50%	1
sebacic acid ester	3-x	sulphuric acid 75%	1
sewage	1	sulphuric acid 90%	1
silicon dioxide (silicic acid, chert, silica)	1	sulphuric acid conc. (oleum, fuming sulphuric acid)	1
		sulphuric acid 10%, moist	2
		sulphuric acid 75%, moist	2
		talc (magnesium silicate)	1
		tannic acid (tannin)	1 to 2
		tar (see also hot tar)	1
		tartaric acid, *1	1
		tensides (washing or cleaning agents, synth.)	1
		test gasoline = white spirit	1
		tetrachlorocarbon (tetrachloromethane,tetra, carbon tetra chloride)	1
		tetrachloroethans	2
		tetrachloroethylene (perchloroethylene)	1
		tetrahydrofurane (THF)	x
		tetraline = tetrahydronaphthalene	1
		thionyl chloride	3
		thiophene	x
		tin-II-chloride,	1
		toluol	1
		town gas, coal gas, illuminated gas (natural gas see later)	1
		train-oil	1
		tributyl phosphate (TBP)	x
		trichloro acetic acid (TCA)	3
		trichloroethane (methylchloroform)	1
		trichloroethylene (ethylene trichloride)	1 to 2
		trichloromethane (chloroform)	1
		triclesyl phosphate	1 to 2
		triethanolamine	1
		triethylamine	x
		triethylene glycol (triglycol)	1
		trioctyl phosphate	x
		trisodium phosphate	1
		tung oil	1
		turpentine (-oil)	1
		turpentine, surrogate, mineral	1
		urine	1
		varnish	1
		vinegar*1	1
		vinyl acetate (acetic acid vinyl ester)	2
		vinyl chloride (chloroethene), monomer	1
		vitamin C	1
		vitriol oil (oleum)	1
		vitriol blue (copper sulphate)	1
		washing agent synth. (detergent) 20°C	1
		water:	1
		-condensed, distilled, desalinated or demineralised	
		does not effect polymers but polymers effect water	
		"-drinking- or mineral water, without additives*1	150
		-mineral water CO2 saturated*1	1
		-seawater	1
		weathering	1
		white spirit (petroleum spirit, solvent naphta)	1
		wines red and white*1	1
		wood oil	1
		wool grease (lanoline)	1
		xylamon (wood protection)	2
		xylene	1 to 2
		xylidine (dimethyl aniline)	1
		zinc acetate,	x
		zinc chloride,	1 to 2
		zinc sulphate,	1

# Fittings Material Certificate

- **REACH test report:** REACH is to supervise and manage the safe use of chemicals in the EU market through measures such as registration, evaluation, authorization and restriction. Currently we have made chemical composition tests for 235 products, please review test report for more details.
- **RoHS report:** : ROHS is for the detection of toxic harmful substances and environmental hazards, it meets the limited value required by the EU ROHS Directive 2011/65/EU and its revised Directive (EU) 2015/863.
- **Biocompatibility report:** Refers to the characteristics and capabilities of biomaterials (including sensors and action devices) that are compatible with biochemical components in tissues and blood in organisms, not being corroded and no toxic and side effects on organisms.

SKU	Model No.	REACH Test Report	RoHS	Biocompatibility Report
<b>PEEK Flanged Fitting — two-piece set</b>				
<b>WF01B/WD01B</b>				
1011140001	WF01B-28K * KCF-016S	☑	☑	☑
1011140002	WF01B-28K * KCF-020S	☑	☑	☑
1011140005	WD01B-28K * KCF-025S	☑	☑	☑
1011140006	WD01B-28K * KCF-030/032S	☑	☑	☑
1011140019	WF01B-M6K * KCF-016S	☑	☑	☑
1011140020	WF01B-M6K * KCF-020S	☑	☑	☑
<b>WF06B/WD06B</b>				
1011140003	WF06B-28K * KCF-016S	☑	☑	☑
1011140004	WF06B-28K * KCF-020S	☑	☑	☑
1011140007	WD06B-28K * KCF-025S	☑	☑	☑
1011140008	WD06B-28K * KCF-030/032S	☑	☑	☑
1011140021	WF06B-M6K * KCF-016S	☑	☑	☑
1011140022	WF06B-M6K * KCF-020S	☑	☑	☑
<b>With flanged tube</b>				
1011150001	WD06B-28K * KCF-030/032S * TFLG05/0.2	☑	☑	☑
1011150002	WD06B-28K * KCF-030/032S * TFLG05/0.3	☑	☑	☑
1011150003	WD06B-28K * KCF-030/032S * TFLG05/0.5	☑	☑	☑
1011150004	WD06B-28K * KCF-030/032S * TFLG05/1	☑	☑	☑
1011150005	WD06B-28K * KCF-030/032S * TFLG05/2	☑	☑	☑
1011150006	WD01B-28K * KCF-030/032S * TFLG06/0.2	☑	☑	☑
1011150007	WD01B-28K * KCF-030/032S * TFLG06 /0.3	☑	☑	☑
1011150008	WD01B-28K * KCF-030/032S * TFLG06 /0.5	☑	☑	☑
1011150009	WD01B-28K * KCF-030/032S * TFLG06 /1	☑	☑	☑
1011150010	WD01B-28K * KCF-030/032S * TFLG06 /2	☑	☑	☑
<b>PEEK Flangeless Fitting—two-piece set</b>				
<b>WF09B/WP08B</b>				
1011010018	WF09B-28K * YE-016F	☑	☑	☑
1011010017	WF09B-28K * YE-020F	☑	☑	☑
1011010016	WP08B-28K * YC-025F	☑	☑	☑
1011010015	WP08B-28K * YC-030F	☑	☑	☑
1011010014	WP08B-28K * YC-032F	☑	☑	☑
1011010050	WF09B-M6K * YE-016F	☑	☑	☑
1011010051	WF09B-M6K * YE-020F	☑	☑	☑
1011010052	WP08B-M6K * YC-025F	☑	☑	☑
1011010053	WP08B-M6K * YC-030F	☑	☑	☑
1011010054	WP08B-M6K * YC-032F	☑	☑	☑
<b>WF07B/WP07B</b>				
1011010066	WF07B-28K * YE-016F	☑	☑	☑
1011010067	WF07B-28K * YE-020F	☑	☑	☑
1011010041	WP07B-28K * YC-025F	☑	☑	☑
1011010042	WP07B-28K * YC-030F	☑	☑	☑
1011010043	WP07B-28K * YC-032F	☑	☑	☑
1011010039	WF07B-M6K * YE-016F	☑	☑	☑
1011010040	WF07B-M6K * YE-020F	☑	☑	☑
1011010063	WP07B-M6K * YC-025F	☑	☑	☑

SKU	Model No.	REACH Test Report	RoHS	Biocompatibility Report
<b>WF07B/WP07B</b>				
1011010064	WP07B-M6K * YC-030F	☑	☑	☑
1011010065	WP07B-M6K * YC-032F	☑	☑	☑
<b>WF03B/WD03B</b>				
1011010068	WF03B-28K * YE-016F	☑	☑	☑
1011010069	WF03B-28K * YE-020F	☑	☑	☑
1011010055	WD03B-28K * YC-025F	☑	☑	☑
1011010056	WD03B-28K * YC-030F	☑	☑	☑
1011010057	WD03B-28K * YC-032F	☑	☑	☑
1011010078	WF03B-M6K * YE-016F	☑	☑	☑
1011010079	WF03B-M6K * YE-020F	☑	☑	☑
1011010058	WD03B-M6K * YC-025F	☑	☑	☑
1011010059	WD03B-M6K * YC-030F	☑	☑	☑
1011010060	WD03B-M6K * YC-032F	☑	☑	☑
<b>PEEK Flangeless Fitting—three-piece set</b>				
<b>WF01B/WD01B</b>				
1011010009	WF01B-28K * YE-016F * KCF-038SUS316	☑	☑	☑
1011010010	WF01B-28K * YE-020F * KCF-038SUS316	☑	☑	☑
1011010011	WD01B-28K * YK-025F * KCF-045SUS316	☑	☑	☑
1011010012	WD01B-28K * YK-030F * KCF-045SUS316	☑	☑	☑
1011010013	WD01B-28K * YK-032F * KCF-045SUS316	☑	☑	☑
1011010070	WF01B-M6K * YE-016F * KCF-038SUS316	☑	☑	☑
1011010071	WF01B-M6K * YE-020F * KCF-038SUS316	☑	☑	☑
<b>WF06B/WD06B</b>				
1011010031	WF06B-28K * YE-016F * KCF-038SUS316	☑	☑	☑
1011010032	WF06B-28K * YE-020F * KCF-038SUS316	☑	☑	☑
1011010033	WD06B-28K * YK-025F * KCF-045SUS316	☑	☑	☑
1011010034	WD06B-28K * YK-030F * KCF-045SUS316	☑	☑	☑
1011010035	WD06B-28K * YK-032F * KCF-045SUS316	☑	☑	☑
1011010072	WF06B-M6K * YE-016F * KCF-038SUS316	☑	☑	☑
1011010073	WF06B-M6K * YE-020F * KCF-038SUS316	☑	☑	☑
<b>Ultra Mini PEEK Flanged Fittings— two-piece set</b>				
1011140023	WF10C-40K * KCF-016SUS316	☑	☑	☑
<b>Ultra Mini PEEK Flangeless Fitting — three-piece set</b>				
1011010091	WF10C-40K * YES-016K * KCF-023SUS316	☑	☑	☑
<b>PEEK Big Bore Flangeless Fitting — two-piece set</b>				
1011010093	WD06B-24K-black * YK-048F	☑	☑	☑
1011010094	WD06B-20K-black * YK-064F	☑	☑	☑
<b>PEEK Pre-torque Flangeless Fitting — three-piece-set</b>				
1011010110	YWF06EL-28K-K(deep dark) * YE-016F * KCF-038SUS316	☑	☑	☑
1011010109	YWF06EL-28K-K(deep dark) * YE-020F * KCF-038SUS316	☑	☑	☑
1011010108	YWD06EL-28K-K(deep dark) * YK-025F * KCF-045SUS316	☑	☑	☑
1011010107	YWD06EL-28K-K(deep dark) * YK-030F * KCF-045SUS316	☑	☑	☑
1011010106	YWD06EL-28K-K(deep dark) * YK-032F * KCF-045SUS316	☑	☑	☑
<b>PEEK Pre-torque Flangeless Fitting — two-piece set</b>				
1011010115	YWF06EL-28K-K(deep dark)+YF-016F	☑	☑	☑
1011010114	YWF06EL-28K-K(deep dark)+YF-020F	☑	☑	☑
1011010113	YWD06EL-28K-K(deep dark)+YD-025F	☑	☑	☑
1011010112	YWD06EL-28K-K(deep dark)+YD-030F	☑	☑	☑
1011010111	YWD06EL-28K-K(deep dark)+YD-032F	☑	☑	☑
<b>PEEK Two-piece Hand Tightening Fitting</b>				
1011010082	WF15E-32K * YC-016K	☑	☑	☑
1011010084	WF11C-32K * YC-016K	☑	☑	☑
1011010086	WF13G-32K * YC-016K	☑	☑	☑
1011010088	WF11A-32K * YC-016K	☑	☑	☑
<b>PEEK One-piece Hand Tightening Fitting</b>				
1011010005	WK11A-10-32-K	☑	☑	☑
1011010006	WK11E-10-32-K	☑	☑	☑
1011010007	WK11C-10-32-K	☑	☑	☑
1011010008	WK11G-10-32-K	☑	☑	☑
1011010125	WK11F-10-32-K	☑	☑	☑

PEEK Fitting

Threaded Fitting

Barb-to-Thread Adapter

Barbed Connector

Tubing

PEEK Fitting









Threaded Fitting











































Barb-to-Thread Adapter

Barbed Connector

Tubing



SKU	Model No.	REACH Test Report	RoHS	Biocompatibility Report
<b>PEEK Handtighten Fitting</b>				
1011010116	YWK11G-32K-K(deep dark)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>PEEK Handtighten Fitting two-piece set</b>				
1011010117	BWF11C-32K - P - red 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011010118	BWF11C-32K - P- deep purple 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011010119	BWF11C-32K - P- dark blue 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011010120	BWF11C-32K - P- beige blue 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011010121	BWF11C-32K - P- grass green 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011010122	BWF11C-32K - P- lemon yellow 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011010123	BWF11C-32K - P- deep dark 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011010124	BWF11C-32K - P- dark brown 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>PEEK Female Thread Straight Adapter</b>				
1011110001	NF08-28-K(0.8)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011110002	NF08-28-K(1.25)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011110003	NF08-28-K(2.0)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011110004	NF08-32-K(0.8)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011110005	NF08-32-K(1.25)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011100001	NF08-T28&B32-K(0.8)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011100002	NF08-T28&B32-K(1.25)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>PEEK Female Thread Elbow Adapter</b>				
1011060001	NL05-28-K(0.8)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011060002	NL05-28-K(1.25)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011060003	NL05-28-K(2.0)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011060004	NL05-32-K(0.8)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011060005	NL05-32-K(1.25)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011060006	NL05-T28&B32-K(0.8)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011060007	NL05-T28&B32-K(1.25)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>PEEK Female Thread T Adapter</b>				
1011120001	NT03-28-K(0.8)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011120002	NT03-28-K(1.25)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011120003	NT03-28-K(2.0)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011120004	NT03-T32&L28&R28-K(0.8)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011120005	NT03-T32&L28&R28-K(1.25)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011120006	NT03-32-K(0.8)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011120007	NT03-32-K(1.25)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011120008	NT03-T32&L28&R32-K(0.8)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011120009	NT03-T32&L28&R32-K(1.25)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011120010	NT03-T28&L28&R32-K(0.8)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011120011	NT03-T28&L28&R32-K(1.25)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011120012	NT03-T28&L32&R32-K(0.8)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011120013	NT03-T28&L32&R32-K(1.25)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>PEEK Female Thread Y Adapter</b>				
1011080001	NY03-28-K(0.8)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011080002	NY03-28-K(1.25)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011080003	NY03-28-K(2.0)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011080004	NY03-32-K(0.8)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011080005	NY03-32-K(1.25)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011080006	NY03-L28&R28&B32-K(0.8)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011080007	NY03-L28&R28&B32-K(1.25)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011080008	NY03-L32&R32&B28-K(0.8)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011080009	NY03-L32&R32&B28-K(1.25)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>PEEK Female Thread Cross Adapter</b>				
1011090001	NS04-28-K(0.8)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011090002	NS04-28-K(1.25)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011090003	NS04-28-K(2.0)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011090004	NS04-32-K(0.8)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011090005	NS04-32-K(1.25)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011090006	NS04-28-B-32-K(0.8)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011090007	NS04-28-B-32-K(1.25)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011090008	NS04-28-O-32-K(0.8)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

SKU	Model No.	REACH Test Report	RoHS	Biocompatibility Report
<b>PEEK Female Thread Cross Adapter</b>				
1011090009	NS04-28-O-32-K(1.25)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011090010	NS04-T28&B28&L28&R32-K(0.8)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011090011	NS04-T28&B28&L28&R32-K(1.25)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011090012	NS04-T28&B32&L32&R32-K(0.8)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011090013	NS04-T28&B32&L32&R32-K(1.25)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>PEEK Female Thread Luer Adapter</b>				
1011130001	RH-M-(1/4-28)N-K	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011130002	RH-M-(10-32)N-K	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011130003	RH-G-(1/4-28)N-K(0.8)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011130005	RH-G-(1/4-28)N-K(1.2)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011130004	RH-G-(10-32)N-K(0.8)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011130006	RH-G-(10-32)N-K(1.2)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>PEEK Female Thread Bulkhead Union</b>				
<b>NC-28-K</b>				
1011070010	NC-28-K(0.8) * M10*1-S * C12-P red 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011070011	NC-28-K(0.8) * M10*1-S * C12-P deep dark 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011070012	NC-28-K(0.8) * M10*1-S * C12-P lemon yellow 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011070013	NC-28-K(0.8) * M10*1-S * C12-P grass green 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011070014	NC-28-K(0.8) * M10*1-S * C12-P beige blue 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011070015	NC-28-K(0.8) * M10*1-S * C12-P dark blue 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011070016	NC-28-K(0.8) * M10*1-S * C12-P deep purple 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>NC-28-K</b>				
1011070017	NC-28-K(1.25) * M10*1-S * C12-P red 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011070018	NC-28-K(1.25) * M10*1-S * C12-P deep dark 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011070019	NC-28-K(1.25) * M10*1-S * C12-P lemon yellow 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011070020	NC-28-K(1.25) * M10*1-S * C12-P grass green 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011070021	NC-28-K(1.25) * M10*1-S * C12-P beige blue 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011070022	NC-28-K(1.25) * M10*1-S * C12-P dark blue 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011070023	NC-28-K(1.25) * M10*1-S * C12-P deep purple 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011070024	NC-28-K(2.0) * M10*1-S * C12-P red 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011070025	NC-28-K(2.0) * M10*1-S * C12-P deep dark 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011070026	NC-28-K(2.0) * M10*1-S * C12-P lemon yellow 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011070027	NC-28-K(2.0) * M10*1-S * C12-P grass green 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011070028	NC-28-K(2.0) * M10*1-S * C12-P beige blue 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011070029	NC-28-K(2.0) * M10*1-S * C12-P dark blue 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011070030	NC-28-K(2.0) * M10*1-S * C12-P deep purple 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>NC-32-K</b>				
1011070031	NC-32-K(0.8) * M10*1-S * C12-P red 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011070032	NC-32-K(0.8) * M10*1-S * C12-P deep dark 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011070033	NC-32-K(0.8) * M10*1-S * C12-P lemon yellow 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011070034	NC-32-K(0.8) * M10*1-S * C12-P grass green 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011070035	NC-32-K(0.8) * M10*1-S * C12-P beige blue 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011070036	NC-32-K(0.8) * M10*1-S * C12-P dark blue 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011070037	NC-32-K(0.8) * M10*1-S * C12-P deep purple 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011070038	NC-32-K(1.25) * M10*1-S * C12-P red 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011070039	NC-32-K(1.25) * M10*1-S * C12-P deep dark 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011070040	NC-32-K(1.25) * M10*1-S * C12-P lemon yellow 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011070041	NC-32-K(1.25) * M10*1-S * C12-P grass green 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011070042	NC-32-K(1.25) * M10*1-S * C12-P beige blue 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011070043	NC-32-K(1.25) * M10*1-S * C12-P dark blue 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011070044	NC-32-K(1.25) * M10*1-S * C12-P deep purple 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>NC-T28&amp;B32-K</b>				
1011070045	NC-T28&B32-K(0.8) * M10*1-S * C12-P red 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011070046	NC-T28&B32-K(0.8) * M10*1-S * C12-P deep dark 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011070047	NC-T28&B32-K(0.8) * M10*1-S * C12-P lemon yellow 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011070048	NC-T28&B32-K(0.8) * M10*1-S * C12-P grass green 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011070049	NC-T28&B32-K(0.8) * M10*1-S * C12-P beige blue 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011070050	NC-T28&B32-K(0.8) * M10*1-S * C12-P dark blue 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1011070051	NC-T28&B32-K(0.8) * M10*1-S * C12-P deep purple 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

PEEK Fitting  
Threaded Fitting  
Barb-to-Thread Adapter  
Barbed Connector  
Tubing

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SKU	Model No.	REACH Test Report	RoHS	Biocompatibility Report
<b>NC-T28&amp;B32-K</b>				
1011070052	NC-T28&B32-K(1.25) * M10*1-S * C12-P red		☑	☑
1011070053	NC-T28&B32-K(1.25) * M10*1-S * C12-P deep dark		☑	☑
1011070054	NC-T28&B32-K(1.25) * M10*1-S * C12-P lemon yellow		☑	☑
1011070055	NC-T28&B32-K(1.25) * M10*1-S * C12-P grass green		☑	☑
1011070056	NC-T28&B32-K(1.25) * M10*1-S * C12-P beige blue		☑	☑
1011070057	NC-T28&B32-K(1.25) * M10*1-S * C12-P dark blue		☑	☑
1011070058	NC-T28&B32-K(1.25) * M10*1-S * C12-P deep purple		☑	☑
<b>NC-T32&amp;B28-K</b>				
1011070059	NC-T32&B28-K(0.8) * M10*1-S * C12-P red		☑	☑
1011070060	NC-T32&B28-K(0.8) * M10*1-S * C12-P deep dark		☑	☑
1011070061	NC-T32&B28-K(0.8) * M10*1-S * C12-P lemon yellow		☑	☑
1011070062	NC-T32&B28-K(0.8) * M10*1-S * C12-P grass green		☑	☑
1011070063	NC-T32&B28-K(0.8) * M10*1-S * C12-P beige blue		☑	☑
1011070064	NC-T32&B28-K(0.8) * M10*1-S * C12-P dark blue		☑	☑
1011070065	NC-T32&B28-K(0.8) * M10*1-S * C12-P deep purple		☑	☑
1011070066	NC-T32&B28-K(1.25) * M10*1-S * C12-P red		☑	☑
1011070067	NC-T32&B28-K(1.25) * M10*1-S * C12-P deep dark		☑	☑
1011070068	NC-T32&B28-K(1.25) * M10*1-S * C12-P lemon yellow		☑	☑
1011070069	NC-T32&B28-K(1.25) * M10*1-S * C12-P grass green		☑	☑
1011070070	NC-T32&B28-K(1.25) * M10*1-S * C12-P beige blue		☑	☑
1011070071	NC-T32&B28-K(1.25) * M10*1-S * C12-P dark blue		☑	☑
1011070072	NC-T32&B28-K(1.25) * M10*1-S * C12-P deep purple		☑	☑
<b>PEEK Female Thread Fitting</b>				
101110006	NF08-20-K(5.0)	☑	☑	☑
101106008	NL05-20-K(5.0)	☑	☑	☑
1011120014	NT03-20-K(5.0)	☑	☑	☑
1011090014	NS04-20-K(5.0)	☑	☑	☑
<b>PEEK Adapter</b>				
1011160001	W1/2-20&N1/4-28-K (1.5)-KM	☑	☑	☑
1011160002	W1/2-20&N5/16-24-K (3.0)-KM	☑	☑	☑
<b>PEEK Coned Plug</b>				
1011170001	WDD11F-32K	☑	☑	☑
1011170002	WDD-28K	☑	☑	☑

PEEK Fitting

Threaded Fitting

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SKU	Model No.	REACH Test Report	RoHS	Biocompatibility Report	FDA Report
<b>Flanged Fitting—two-piece set</b>					
1006010001	WF10A-1/4-28-P	☑	☑	☑	☑
1006010065	WD10A-1/4-28-P	☑	☑	☑	☑
1006010009	WF03G-1/4-28-P	☑	☑	☑	☑
1006010073	WD03G-1/4-28-P	☑	☑	☑	☑
1006010017	WF08BL-1/4-28-P	☑	☑	☑	☑
1006010081	WD08BL-1/4-28-P	☑	☑	☑	☑
1006010025	WF08B-1/4-28-P	☑	☑	☑	☑
1006010089	WD08B-1/4-28-P	☑	☑	☑	☑
1006010033	WF05EL-1/4-28-P	☑	☑	☑	☑
1006010097	WD05EL-1/4-28-P	☑	☑	☑	☑
1006010041	WF05E-1/4-28-P	☑	☑	☑	☑
1006010105	WD05E-1/4-28-P	☑	☑	☑	☑
1006010049	WF06CL-1/4-28-P	☑	☑	☑	☑
1006010113	WD06CL-1/4-28-P	☑	☑	☑	☑
1006010057	WF06C-1/4-28-P	☑	☑	☑	☑
1006010121	WD06C-1/4-28-P	☑	☑	☑	☑
1006030001	WF07Y-1/4-28-P	☑	☑	☑	☑
1006010154	WD020A-1/4-28-P	☑	☑	☑	☑
1006010162	WD06G-1/4-28-P	☑	☑	☑	☑
1006010005	WF10A-M6-P	☑	☑	☑	☑
1006010069	WD10A-M6-P	☑	☑	☑	☑
1006010013	WF03G-M6-P	☑	☑	☑	☑
1006010077	WD03G-M6-P	☑	☑	☑	☑
1006010021	WF08BL-M6-P	☑	☑	☑	☑
1006010085	WD08BL-M6-P	☑	☑	☑	☑
1006010029	WF08B-M6-P	☑	☑	☑	☑
1006010093	WD08B-M6-P	☑	☑	☑	☑
1006010037	WF05EL-M6-P	☑	☑	☑	☑
1006010101	WD05EL-M6-P	☑	☑	☑	☑
1006010045	WF05E-M6-P	☑	☑	☑	☑
1006010109	WD05E-M6-P	☑	☑	☑	☑
1006010053	WF06CL-M6-P	☑	☑	☑	☑
1006010117	WD06CL-M6-P	☑	☑	☑	☑
1006010061	WF06C-M6-P	☑	☑	☑	☑
1006010125	WD06C-M6-P	☑	☑	☑	☑
1006010156	WD020A-M6-P	☑	☑	☑	☑
<b>Clip</b>					
1006130001	KC-016-S				
1006130002	KC-020-S				
1006130003	KC-025-S				
1006130004	KC-030-S				
1006130005	KC-032-S				
<b>Flanged Fitting—two-piece set-Short conventional handle</b>					
1006030008	WF21B-28-S-Black * KDF-021-S316L	☑	☑		
1006030009	WF26B-28-S-Black* KDF-026-S316L	☑	☑		
1006030010	WD33B-28-S-Black * KDF-033-S316L	☑	☑		
<b>Flanged Fitting—two-piece set-Short and compact handle</b>					
1006030011	WF21G-28-S-Black * KDF-021-S316L	☑	☑		
1006030012	WF26G-28-S-Black * KDF-026-S316L	☑	☑		
1006030013	WD33G-28-S-Black * KDF-033-S316L	☑	☑		

PEEK Fitting

Threaded Fitting

Barb-to-Thread Adapter

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SKU	Model No.	REACH Test Report	RoHS	Biocompatibility Report	FDA Report
<b>WF10A/WD10A</b>					
1006010170	WF10A-28P * YE-016P	☑	☑	☑	☑
1006010169	WF10A-28P * YE-020P	☑	☑	☑	☑
1006010168	WD10A-28P * YC-025P	☑	☑	☑	☑
1006010167	WD10A-28P * YC-030P	☑	☑	☑	☑
1006010166	WD10A-28P * YC-032P	☑	☑	☑	☑
1006010175	WF10A-28E * YE-016A	☑	☑		
1006010174	WF10A-28E * YE-020A	☑	☑		
1006010173	WD10A-28E * YC-025A	☑	☑		
1006010172	WD10A-28E * YC-030A	☑	☑		
1006010171	WD10A-28E * YC-032A	☑	☑		
1006010246	WF10A-M6P * YE-016P	☑	☑	☑	☑
1006010247	WF10A-M6P * YE-020P	☑	☑	☑	☑
1006010248	WD10A-M6P * YC-025P	☑	☑	☑	☑
1006010249	WD10A-M6P * YC-030P	☑	☑	☑	☑
1006010238	WD10A-M6P * YC-032P	☑	☑	☑	☑
1006010241	WF10A-M6E * YE-016A	☑	☑		
1006010242	WF10A-M6E * YE-020A	☑	☑		
1006010243	WD10A-M6E * YC-025A	☑	☑		
1006010244	WD10A-M6E * YC-030A	☑	☑		
1006010245	WD10A-M6E * YC-032A	☑	☑		
1006010455	WD10A-28M * YC-016P	☑	☑	☑	☑
1006010456	WD10A-28M * YC-020P	☑	☑	☑	☑
1006010457	WD10A-28M * YC-025P	☑	☑	☑	☑
1006010458	WD10A-28M * YC-030P	☑	☑	☑	☑
1006010459	WD10A-28M * YC-032P	☑	☑	☑	☑
1006010460	WD10A-M6M * YC-016P	☑	☑	☑	☑
1006010461	WD10A-M6M * YC-020P	☑	☑	☑	☑
1006010462	WD10A-M6M * YC-025P	☑	☑	☑	☑
1006010463	WD10A-M6M * YC-030P	☑	☑	☑	☑
1006010464	WD10A-M6M * YC-032P	☑	☑	☑	☑
1006010592	WF10A-28V * YE-016P	☑	☑	☑	☑
1006010605	WF10A-28V * YE-016A	☑	☑		
1006010594	WF10A-M6V * YE-016P	☑	☑	☑	☑
1006010593	WD10A-28V * YC-032P	☑	☑	☑	☑
1006010606	WD10A-28V * YC-032F	☑	☑		
1006010607	WD10A-28V * YC-032A	☑	☑		
1006010595	WD10A-M6V * YC-032P	☑	☑	☑	☑

PEEK Fitting

Threaded Fitting

Barb-to-Thread Adapter

Barbed Connector

Tubing

SKU	Model No.	REACH Test Report	RoHS	Biocompatibility Report	FDA Report
<b>WF03G/WD03G</b>					
1006010254	WF03G-28P * YE-016P	☑	☑	☑	☑
1006010255	WF03G-28P * YE-020P	☑	☑	☑	☑
1006010335	WD03G-28P * YC-025P	☑	☑	☑	☑
1006010336	WD03G-28P * YC-030P	☑	☑	☑	☑
1006010337	WD03G-28P * YC-032P	☑	☑	☑	☑
1006010329	WF03G-28E * YE-016A	☑	☑		
1006010330	WF03G-28E * YE-020A	☑	☑		
1006010338	WD03G-28E * YC-025A	☑	☑		
1006010339	WD03G-28E * YC-030A	☑	☑		
1006010340	WD03G-28E * YC-032A	☑	☑		
1006010331	WF03G-M6P * YE-016P	☑	☑	☑	☑
1006010332	WF03G-M6P * YE-020P	☑	☑	☑	☑
1006010341	WD03G-M6P * YC-025P	☑	☑	☑	☑
1006010342	WD03G-M6P * YC-030P	☑	☑	☑	☑
1006010343	WD03G-M6P * YC-032P	☑	☑	☑	☑
1006010333	WF03G-M6E * YE-016A	☑	☑		
1006010334	WF03G-M6E * YE-020A	☑	☑		
1006010344	WD03G-M6E * YC-025A	☑	☑		
1006010345	WD03G-M6E * YC-030A	☑	☑		
1006010346	WD03G-M6E * YC-032A	☑	☑		
1006010609	WF03G-28V * YE-016A	☑	☑		
1006010610	WD03G-28V * YC-032F	☑	☑		
1006010611	WD03G-28V * YC-032A	☑	☑		
<b>WF08BL/WD08BL</b>					
1006010292	WF08BL-28P * YE-016P	☑	☑	☑	☑
1006010293	WF08BL-28P * YE-020P	☑	☑	☑	☑
1006010300	WD08BL-28P * YC-025P	☑	☑	☑	☑
1006010301	WD08BL-28P * YC-030P	☑	☑	☑	☑
1006010302	WD08BL-28P * YC-032P	☑	☑	☑	☑
1006010294	WF08BL-28E * YE-016A	☑	☑		
1006010295	WF08BL-28E * YE-020A	☑	☑		
1006010303	WD08BL-28E * YC-025A	☑	☑		
1006010304	WD08BL-28E * YC-030A	☑	☑		
1006010305	WD08BL-28E * YC-032A	☑	☑		
1006010296	WF08BL-M6P * YE-016P	☑	☑	☑	☑
1006010297	WF08BL-M6P * YE-020P	☑	☑	☑	☑
1006010306	WD08BL-M6P * YC-025P	☑	☑	☑	☑
1006010307	WD08BL-M6P * YC-030P	☑	☑	☑	☑
1006010308	WD08BL-M6P * YC-032P	☑	☑	☑	☑
1006010298	WF08BL-M6E * YE-016A	☑	☑		
1006010299	WF08BL-M6E * YE-020A	☑	☑		
1006010309	WD08BL-M6E * YC-025A	☑	☑		
1006010310	WD08BL-M6E * YC-030A	☑	☑		
1006010311	WD08BL-M6E * YC-032A	☑	☑		

SKU	Model No.	REACH Test Report	RoHS	Biocompatibility Report	FDA Report
<b>WF08B/WD08B</b>					
1006010252	WF08B-28P * YE-016P	☑	☑	☑	☑
1006010253	WF08B-28P * YE-020P	☑	☑	☑	☑
1006010318	WD08B-28P * YC-025P	☑	☑	☑	☑
1006010319	WD08B-28P * YC-030P	☑	☑	☑	☑
1006010239	WD08B-28P+YC-032P	☑	☑	☑	☑
1006010312	WF08B-28E * YE-016A	☑	☑		
1006010313	WF08B-28E * YE-020A	☑	☑		
1006010320	WD08B-28E * YC-025A	☑	☑		
1006010321	WD08B-28E * YC-030A	☑	☑		
1006010322	WD08B-28E * YC-032A	☑	☑		
1006010314	WF08B-M6P * YE-016P	☑	☑	☑	☑
1006010315	WF08B-M6P * YE-020P	☑	☑	☑	☑
1006010323	WD08B-M6P * YC-025P	☑	☑	☑	☑
1006010324	WD08B-M6P * YC-030P	☑	☑	☑	☑
1006010325	WD08B-M6P * YC-032P	☑	☑	☑	☑
1006010316	WF08B-M6E * YE-016A	☑	☑		
1006010317	WF08B-M6E * YE-020A	☑	☑		
1006010326	WD08B-M6E * YC-025A	☑	☑		
1006010327	WD08B-M6E * YC-030A	☑	☑		
1006010328	WD08B-M6E * YC-032A	☑	☑		
1006010600	WF08B-28V * YE-016P	☑	☑	☑	☑
1006010613	WF08B-28V * YE-016A	☑	☑		
1006010602	WF08B-M6V * YE-016P	☑	☑	☑	☑
1006010601	WD08B-28V * YC-032P	☑	☑	☑	☑
1006010614	WD08B-28V * YC-032F	☑	☑		
1006010615	WD08B-28V * YC-032A	☑	☑		
1006010603	WD08B-M6V * YC-032P	☑	☑	☑	☑
<b>WF05EL/WD05EL</b>					
1006010258	WF05EL-28P * YE-016P	☑	☑	☑	☑
1006010259	WF05EL-28P * YE-020P	☑	☑	☑	☑
1006010260	WD05EL-28P * YC-025P	☑	☑	☑	☑
1006010261	WD05EL-28P * YC-030P	☑	☑	☑	☑
1006010262	WD05EL-28P * YC-032P	☑	☑	☑	☑
1006010474	WF05EL-28E * YE-016A	☑	☑		
1006010475	WF05EL-28E * YE-020A	☑	☑		
1006010263	WD05EL-28E * YC-025A	☑	☑		
1006010264	WD05EL-28E * YC-030A	☑	☑		
1006010265	WD05EL-28E * YC-032A	☑	☑		
1006010266	WD05EL-M6P * YC-025P	☑	☑	☑	☑
1006010267	WD05EL-M6P * YC-030P	☑	☑	☑	☑
1006010268	WD05EL-M6P * YC-032P	☑	☑	☑	☑
1006010269	WD05EL-M6E * YC-025A	☑	☑		
1006010270	WD05EL-M6E * YC-030A	☑	☑		
1006010271	WD05EL-M6E * YC-032A	☑	☑		

PEEK Fitting

Threaded Fitting

Barb-to-Thread Adapter

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SKU	Model No.	REACH Test Report	RoHS	Biocompatibility Report	FDA Report
<b>Flangeless Fitting Two-piece set</b>					
<b>WF05E/WD05E</b>					
1006010272	WF05E-28P * YE-016P	☑	☑	☑	☑
1006010273	WF05E-28P * YE-020P	☑	☑	☑	☑
1006010280	WD05E-28P * YC-025P	☑	☑	☑	☑
1006010281	WD05E-28P * YC-030P	☑	☑	☑	☑
1006010282	WD05E-28P * YC-032P	☑	☑	☑	☑
1006010274	WF05E-28E * YE-016A	☑	☑		
1006010275	WF05E-28E * YE-020A	☑	☑		
1006010283	WD05E-28E * YC-025A	☑	☑		
1006010284	WD05E-28E * YC-030A	☑	☑		
1006010285	WD05E-28E * YC-032A	☑	☑		
1006010276	WF05E-M6P * YE-016P	☑	☑	☑	☑
1006010277	WF05E-M6P * YE-020P	☑	☑	☑	☑
1006010286	WD05E-M6P * YC-025P	☑	☑	☑	☑
1006010287	WD05E-M6P * YC-030P	☑	☑	☑	☑
1006010288	WD05E-M6P * YC-032P	☑	☑	☑	☑
1006010278	WF05E-M6E * YE-016A	☑	☑		
1006010279	WF05E-M6E * YE-020A	☑	☑		
1006010289	WD05E-M6E * YC-025A	☑	☑		
1006010290	WD05E-M6E * YC-030A	☑	☑		
1006010291	WD05E-M6E * YC-032A	☑	☑		
<b>WF06CL/WD06CL</b>					
1006010347	WF06CL-28P * YE-016P	☑	☑	☑	☑
1006010348	WF06CL-28P * YE-020P	☑	☑	☑	☑
1006010353	WD06CL-28P * YC-025P	☑	☑	☑	☑
1006010354	WD06CL-28P * YC-030P	☑	☑	☑	☑
1006010355	WD06CL-28P * YC-032P	☑	☑	☑	☑
1006010349	WF06CL-28E * YE-016A	☑	☑		
1006010350	WF06CL-28E * YE-020A	☑	☑		
1006010356	WD06CL-28E * YC-025A	☑	☑		
1006010357	WD06CL-28E * YC-030A	☑	☑		
1006010358	WD06CL-28E * YC-032A	☑	☑		
1006010351	WF06CL-M6P * YE-016P	☑	☑	☑	☑
1006010352	WF06CL-M6P * YE-020P	☑	☑	☑	☑
1006010359	WD06CL-M6P * YC-025P	☑	☑	☑	☑
1006010360	WD06CL-M6P * YC-030P	☑	☑	☑	☑
1006010361	WD06CL-M6P * YC-032P	☑	☑	☑	☑
<b>WF06C/WD06C</b>					
1006010362	WF06C-28P * YE-016P	☑	☑		
1006010363	WF06C-28P * YE-020P	☑	☑		
1006010366	WD06C-28P * YC-025P	☑	☑	☑	☑
1006010367	WD06C-28P * YC-030P	☑	☑	☑	☑
1006010368	WD06C-28P * YC-032P	☑	☑	☑	☑
1006010476	WF06C-28E * YE-016A	☑	☑		
1006010477	WF06C-28E * YE-020A	☑	☑		
1006010369	WD06C-28E * YC-025A	☑	☑		
1006010370	WD06C-28E * YC-030A	☑	☑		
1006010371	WD06C-28E * YC-032A	☑	☑		
1006010364	WF06C-M6P * YE-016P	☑	☑		
1006010365	WF06C-M6P * YE-020P	☑	☑	☑	☑
1006010372	WD06C-M6P * YC-025P	☑	☑	☑	☑
1006010373	WD06C-M6P * YC-030P	☑	☑	☑	☑
1006010374	WD06C-M6P * YC-032P	☑	☑	☑	☑

SKU	Model No.	REACH Test Report	RoHS	Biocompatibility Report	FDA Report
<b>Color Flangeless Fitting—two-piece set</b>					
<b>Red</b> <span style="color:red">■</span>					
1006010375	WD10A-28P-Red * YC-016P	☑	☑	☑	☑
1006010376	WD10A-28P-Red * YC-020P	☑	☑	☑	☑
1006010377	WD10A-28P-Red * YC-025P	☑	☑	☑	☑
1006010378	WD10A-28P-Red * YC-030P	☑	☑	☑	☑
1006010379	WD10A-28P-Red * YC-032P	☑	☑	☑	☑
1006010415	WD10A-M6P-Red * YC-016P	☑	☑	☑	☑
1006010416	WD10A-M6P-Red * YC-020P	☑	☑	☑	☑
1006010417	WD10A-M6P-Red * YC-025P	☑	☑	☑	☑
1006010418	WD10A-M6P-Red * YC-030P	☑	☑	☑	☑
1006010419	WD10A-M6P-Red * YC-032P	☑	☑	☑	☑
<b>Deep Purple</b> <span style="color:purple">■</span>					
1006010380	WD10A-28P-Deep Purple * YC-016P	☑	☑	☑	☑
1006010381	WD10A-28P-Deep Purple * YC-020P	☑	☑	☑	☑
1006010382	WD10A-28P-Deep Purple * YC-025P	☑	☑	☑	☑
1006010383	WD10A-28P-Deep Purple * YC-030P	☑	☑	☑	☑
1006010384	WD10A-28P-Deep Purple * YC-032P	☑	☑	☑	☑
1006010420	WD10A-M6P-Deep Purple * YC-016P	☑	☑	☑	☑
1006010421	WD10A-M6P-Deep Purple * YC-020P	☑	☑	☑	☑
1006010422	WD10A-M6P-Deep Purple * YC-025P	☑	☑	☑	☑
1006010423	WD10A-M6P-Deep Purple * YC-030P	☑	☑	☑	☑
1006010424	WD10A-M6P-Deep Purple * YC-032P	☑	☑	☑	☑
<b>Dark Blue</b> <span style="color:blue">■</span>					
1006010385	WD10A-28P-Dark Blue * YC-016P	☑	☑	☑	☑
1006010386	WD10A-28P-Dark Blue * YC-020P	☑	☑	☑	☑
1006010387	WD10A-28P-Dark Blue * YC-025P	☑	☑	☑	☑
1006010388	WD10A-28P-Dark Blue * YC-030P	☑	☑	☑	☑
1006010389	WD10A-28P-Dark Blue * YC-032P	☑	☑	☑	☑
1006010425	WD10A-M6P-Dark Blue * YC-016P	☑	☑	☑	☑
1006010426	WD10A-M6P-Dark Blue * YC-020P	☑	☑	☑	☑
1006010427	WD10A-M6P-Dark Blue * YC-025P	☑	☑	☑	☑
1006010428	WD10A-M6P-Dark Blue * YC-030P	☑	☑	☑	☑
1006010429	WD10A-M6P-Dark Blue * YC-032P	☑	☑	☑	☑
<b>Beige Blue</b> <span style="color:teal">■</span>					
1006010390	WD10A-28P-Beige Blue * YC-016P	☑	☑	☑	☑
1006010391	WD10A-28P-Beige Blue * YC-020P	☑	☑	☑	☑
1006010392	WD10A-28P-Beige Blue * YC-025P	☑	☑	☑	☑
1006010393	WD10A-28P-Beige Blue * YC-030P	☑	☑	☑	☑
1006010394	WD10A-28P-Beige Blue * YC-032P	☑	☑	☑	☑
1006010430	WD10A-M6P-Beige Blue * YC-016P	☑	☑	☑	☑
1006010431	WD10A-M6P-Beige Blue * YC-020P	☑	☑	☑	☑
1006010432	WD10A-M6P-Beige Blue * YC-025P	☑	☑	☑	☑
1006010443	WD10A-M6P-Beige Blue * YC-030P	☑	☑	☑	☑
1006010444	WD10A-M6P-Beige Blue * YC-032P	☑	☑	☑	☑
<b>Grass Green</b> <span style="color:green">■</span>					
1006010395	WD10A-28P-Grass Green * YC-016P	☑	☑	☑	☑
1006010396	WD10A-28P-Grass Green * YC-020P	☑	☑	☑	☑
1006010397	WD10A-28P-Grass Green * YC-025P	☑	☑	☑	☑
1006010398	WD10A-28P-Grass Green * YC-030P	☑	☑	☑	☑
1006010399	WD10A-28P-Grass Green * YC-032P	☑	☑	☑	☑
1006010445	WD10A-M6P-Grass Green * YC-016P	☑	☑	☑	☑
1006010446	WD10A-M6P-Grass Green * YC-020P	☑	☑	☑	☑
1006010447	WD10A-M6P-Grass Green * YC-025P	☑	☑	☑	☑
1006010448	WD10A-M6P-Grass Green * YC-030P	☑	☑	☑	☑
1006010449	WD10A-M6P-Grass Green * YC-032P	☑	☑	☑	☑

PEEK Fitting

Threaded Fitting

Barb-to-Thread Adapter

Barbed Connector

Tubing

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SKU	Model No.	REACH Test Report	RoHS	Biocompatibility Report	FDA Report
<b>Lemon Yellow</b>					
1006010400	WD10A-28P-Lemon Yellow * YC-016P	☑	☑	☑	☑
1006010401	WD10A-28P-Lemon Yellow * YC-020P	☑	☑	☑	☑
1006010402	WD10A-28P-Lemon Yellow * YC-025P	☑	☑	☑	☑
1006010403	WD10A-28P-Lemon Yellow * YC-030P	☑	☑	☑	☑
1006010404	WD10A-28P-Lemon Yellow * YC-032P	☑	☑	☑	☑
1006010450	WD10A-M6P-Lemon Yellow * YC-016P	☑	☑	☑	☑
1006010451	WD10A-M6P-Lemon Yellow * YC-020P	☑	☑	☑	☑
1006010452	WD10A-M6P-Lemon Yellow * YC-025P	☑	☑	☑	☑
1006010433	WD10A-M6P-Lemon Yellow * YC-030P	☑	☑	☑	☑
1006010434	WD10A-M6P-Lemon Yellow * YC-032P	☑	☑	☑	☑
<b>Deep Black</b>					
1006010405	WD10A-28P-Deep Black * YC-016P	☑	☑	☑	☑
1006010406	WD10A-28P-Deep Black * YC-020P	☑	☑	☑	☑
1006010407	WD10A-28P-Deep Black * YC-025P	☑	☑	☑	☑
1006010408	WD10A-28P-Deep Black * YC-030P	☑	☑	☑	☑
1006010409	WD10A-28P-Deep Black * YC-032P	☑	☑	☑	☑
1006010435	WD10A-M6P-Deep Black * YC-016P	☑	☑	☑	☑
1006010436	WD10A-M6P-Deep Black * YC-020P	☑	☑	☑	☑
1006010437	WD10A-M6P-Deep Black * YC-025P	☑	☑	☑	☑
1006010438	WD10A-M6P-Deep Black * YC-030P	☑	☑	☑	☑
1006010439	WD10A-M6P-Deep Black * YC-032P	☑	☑	☑	☑
<b>Dark Brown</b>					
1006010410	WD10A-28P-Dark Brown * YC-016P	☑	☑	☑	☑
1006010411	WD10A-28P-Dark Brown * YC-020P	☑	☑	☑	☑
1006010412	WD10A-28P-Dark Brown * YC-025P	☑	☑	☑	☑
1006010413	WD10A-28P-Dark Brown * YC-030P	☑	☑	☑	☑
1006010414	WD10A-28P-Dark Brown * YC-032P	☑	☑	☑	☑
1006010440	WD10A-M6P-Dark Brown * YC-016P	☑	☑	☑	☑
1006010441	WD10A-M6P-Dark Brown * YC-020P	☑	☑	☑	☑
1006010442	WD10A-M6P-Dark Brown * YC-025P	☑	☑	☑	☑
1006010453	WD10A-M6P-Dark Brown * YC-030P	☑	☑	☑	☑
1006010454	WD10A-M6P-Dark Brown * YC-032P	☑	☑	☑	☑
<b>Pre-torque Flangeless Fitting</b>					
1006020075	YJLDZ-HX-28P-S (011/015) * YE-016P	☑	☑	☑	☑
1006020076	YJLDZ-HX-28P-S (011/015) * YE-020P	☑	☑	☑	☑
1006020077	YJLDZ-HX-28P (011/015) * YC-025P	☑	☑	☑	☑
1006020078	YJLDZ-HX-28P (011/015) * YC-030P	☑	☑	☑	☑
1006020079	YJLDZ-HX-28P (011/015) * YC-032P	☑	☑	☑	☑
1006020080	YJLDZ-HX-28E-S (011/015) * YE-016A	☑	☑	☑	☑
1006020081	YJLDZ-HX-28E-S (011/015) * YE-020A	☑	☑	☑	☑
1006020082	YJLDZ-HX-28E (011/015) * YC-025A	☑	☑	☑	☑
1006020083	YJLDZ-HX-28E (011/015) * YC-030A	☑	☑	☑	☑
1006020084	YJLDZ-HX-28E (011/015) * YC-032A	☑	☑	☑	☑
1006020085	YJLDZ-HX-06E-S (011/015) * YE-016A	☑	☑	☑	☑
1006020086	YJLDZ-HX-06E-S (011/015) * YE-020A	☑	☑	☑	☑
1006020087	YJLDZ-HX-06E (011/015) * YC-025A	☑	☑	☑	☑
1006020088	YJLDZ-HX-06E (011/015) * YC-030A	☑	☑	☑	☑
1006020089	YJLDZ-HX-06E (011/015) * YC-032A	☑	☑	☑	☑
<b>Anti-Twist Flangeless Fitting-Two-piece Set - Hexagonal screw</b>					
1006010467	WF16EL-28S-Black * YF-016F	☑	☑		
1006010469	WF06EL-28S-Black * YF-020F	☑	☑		
1006010470	WD16EL-28S-Black * YD-025F	☑	☑		
1006010468	WD36EL-28S-Black * YD-030F	☑	☑		
1006010471	WD06EL-28S--Black * YD-032F	☑	☑		

SKU	Model No.	REACH Test Report	RoHS	Biocompatibility Report	FDA Report
<b>Anti-Twist Flangeless Fitting-Two-piece Set - Extended compact handle</b>					
1006010478	WF16BL-28S-Black * YF-016F	☑	☑		
1006010479	WF20BL-28S-Black * YF-020F	☑	☑		
1006010480	WD25BL-28S-Black * YD-025F	☑	☑		
1006010481	WD30BL-28S-Black * YD-030F	☑	☑		
1006010482	WD32BL-28S--Black * YD-032F	☑	☑		
<b>Anti-Twist Flangeless Fitting-Two-piece Set - Flower shaped handle</b>					
1006010530	WF16H-28P-Dark Blue+YF-016F	☑	☑	☑	☑
1006010531	WF20H-28P-Dark Blue+YF-020F	☑	☑	☑	☑
1006010532	WD25H-28P-Dark Blue+YD-025F	☑	☑	☑	☑
1006010533	WD30H-28P-Dark Blue+YD-030F	☑	☑	☑	☑
1006010534	WD32H-28P-Dark Blue+YD-032F	☑	☑	☑	☑
1006010535	WF16H-M6P-Beige Blue+YF-016F	☑	☑	☑	☑
1006010536	WF20H-M6P-Beige Blue+YF-020F	☑	☑	☑	☑
1006010537	WD25H-M6P-Beige Blue+YD-025F	☑	☑	☑	☑
1006010538	WD30H-M6P-Beige Blue+YD-030F	☑	☑	☑	☑
1006010539	WD32H-M6P-Beige Blue+YD-032F	☑	☑	☑	☑
<b>Anti-Twist Flangeless Fitting-Two-piece Set - Short conventional handle</b>					
1006010500	WF16G-28S-Black +YF-016F	☑	☑		
1006010501	WF20G-28S-Black +YF-020F	☑	☑		
1006010502	WD25G-28S-Black +YD-025F	☑	☑		
1006010503	WD30G-28S-Black +YD-030F	☑	☑		
1006010504	WD32G-28S-Black +YD-032F	☑	☑		
1006010505	WF16G-M6S-Black +YF-016F	☑	☑		
1006010506	WF20G-M6S-Black +YF-020F	☑	☑		
1006010507	WD25G-M6S-Black +YD-025F	☑	☑		
1006010508	WD30G-M6S-Black +YD-030F	☑	☑		
1006010509	WD32G-M6S-Black +YD-032F	☑	☑		
<b>Anti-Twist Flangeless Fitting-Two-piece Set - Short and comp</b>					
1006010490	WF16B-28S-Black +YF-016F	☑	☑		
1006010491	WF20B-28S-Black +YF-020F	☑	☑		
1006010492	WD25B-28S-Black +YD-025F	☑	☑		
1006010493	WD30B-28S-Black +YD-030F	☑	☑		
1006010494	WD32B-28S-Black +YD-032F	☑	☑		
1006010495	WF16B-M6S-Black +YF-016F	☑	☑		
1006010496	WF20B-M6S-Black +YF-020F	☑	☑		
1006010497	WD25B-M6S-Black +YD-025F	☑	☑		
1006010498	WD30B-M6S-Black +YD-030F	☑	☑		
1006010499	WD32B-M6S-Black +YD-032F	☑	☑		
<b>WF01B/WD01B</b>					
1006010550	WF01B-28S-Black+YE-016F+KCF-038SUS316	☑	☑		
1006010551	WF01B-28S-Black+YE-020F+KCF-038SUS316	☑	☑		
1006010552	WD01B-28S-Black+YK-025F+KCF-045SUS316	☑	☑		
1006010553	WD01B-28S-Black+YK-030F+KCF-045SUS316	☑	☑		
1006010554	WD01B-28S-Black+YK-032F+KCF-045SUS316	☑	☑		
<b>WF03G/WD03G</b>					
1006010555	WF03G-28S-Black+YE-016F+KCF-038SUS316	☑	☑		
1006010556	WF03G-28S-Black+YE-020F+KCF-038SUS316	☑	☑		
1006010557	WD03G-28S-Black+YK-025F+KCF-045SUS316	☑	☑		
1006010558	WD03G-28S-Black+YK-030F+KCF-045SUS316	☑	☑		
1006010559	WD03G-28S-Black+YK-032F+KCF-045SUS316	☑	☑		

PEEK Fitting

Threaded Fitting

Barb-to-Thread Adapter

Barbed Connector

Tubing

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Barb-to-Thread Adapter

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SKU	Model No.	REACH Test Report	RoHS	Biocompatibility Report	FDA Report
<b>Female Union</b>					
1006050001	NF08-28P	☑	☑	☑	☑
1006050002	NF08-28E	☑	☑		
<b>Female Y Adapter</b>					
1006070001	NY03-28P	☑	☑	☑	☑
1006070002	NY03-28E	☑	☑		
<b>Female T Adapter</b>					
1006060001	NT03-28P	☑	☑	☑	☑
1006060002	NT03-28E	☑	☑		
<b>Female Cross Adapter</b>					
1006080001	NS04-28P	☑	☑	☑	☑
1006080002	NS04-28E	☑	☑		
<b>Low Pressure Male Union</b>					
1006090015	WC-28S	☑	☑		
<b>Bulkhead Two-piece Union</b>					
1006090041	NC-28P * M12*1-S	☑	☑		
1006090042	NC-28P * M12*1-E	☑	☑		
1006090043	NC-28E * M12*1-S	☑	☑		
1006090044	NC-28E * M12*1-E	☑	☑		
<b>Bulkhead Three-piece Union</b>					
1006090023	NC01-28P * M12*1-S * C12-P- Red <span style="color:red">■</span>	☑	☑	☑	☑
1006090024	NC01-28P * M12*1-S * C12-P- Deep Black <span style="color:black">■</span>	☑	☑	☑	☑
1006090025	NC01-28P * M12*1-S * C12-P- Lemon Yellow <span style="color:yellow">■</span>	☑	☑	☑	☑
1006090026	NC01-28P * M12*1-S * C12-P- Grass Green <span style="color:green">■</span>	☑	☑	☑	☑
1006090027	NC01-28P * M12*1-S * C12-P- Beige Blue <span style="color:teal">■</span>	☑	☑	☑	☑
1006090028	NC01-28P * M12*1-S * C12-P- Dark Blue <span style="color:blue">■</span>	☑	☑	☑	☑
1006090029	NC01-28P * M12*1-S * C12-P- Deep Purple <span style="color:purple">■</span>	☑	☑	☑	☑
1006090030	NC01-28E * M12*1-E * C12-P- Red <span style="color:red">■</span>	☑	☑	☑	☑
1006090031	NC01-28E * M12*1-E * C12-P- Deep Black <span style="color:black">■</span>	☑	☑	☑	☑
1006090032	NC01-28E * M12*1-E * C12-P- Lemon Yellow <span style="color:yellow">■</span>	☑	☑	☑	☑
1006090033	NC01-28E * M12*1-E * C12-P- Grass Green <span style="color:green">■</span>	☑	☑	☑	☑
1006090034	NC01-28E * M12*1-E * C12-P- Beige Blue <span style="color:teal">■</span>	☑	☑	☑	☑
1006090035	NC01-28E * M12*1-E * C12-P- Dark Blue <span style="color:blue">■</span>	☑	☑	☑	☑
1006090036	NC01-28E * M12*1-E * C12-P- Deep Purple <span style="color:purple">■</span>	☑	☑	☑	☑
<b>Coned Plug</b>					
1006040001	WDD-28P	☑	☑	☑	☑
1006040002	WDD-28E	☑	☑	☑	☑
1006040003	WDD-06P	☑	☑	☑	☑
1006040004	WDD-06E	☑	☑	☑	☑

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Barb-to-Thread Adapter

Barbed Connector

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SKU	Model No.	REACH Test Report	RoHS	Biocompatibility Report	FDA Report
<b>Anti-twist Barb Adapter</b>					
1008080001	WH-1/4-28-016L-P	☑	☑	☑	☑
1008080004	WH-1/4-28-024L-P	☑	☑	☑	☑
1008080007	WH-1/4-28-032L-P	☑	☑	☑	☑
1008080002	WH-1/4-28-016L-S	☑	☑	☑	☑
1008080005	WH-1/4-28-024L-S	☑	☑	☑	☑
1008080008	WH-1/4-28-032L-S	☑	☑	☑	☑
<b>Elbow Barb-to-Female Adapter</b>					
1007010001	NL05-32-28P	☑	☑	☑	☑
1007010002	NL05-32-28E	☑	☑		
<b>Straight Barb-to-Female Adapter</b>					
1007020001	NI06-16-28P	☑	☑	☑	☑
1007020002	NI06-16-28E	☑	☑		
1007020003	NI06-24-28P	☑	☑	☑	☑
1007020004	NI06-24-28E	☑	☑		
1007020005	NI06-32-28P	☑	☑	☑	☑
1007020006	NI06-32-28E	☑	☑		
1007020019	NI06-40-28P	☑	☑	☑	☑
1007020021	NI06-40-28E	☑	☑		
<b>Barb-to-Male Adapter-Long Thread</b>					
1007030008	WZ-016L-PP	☑	☑	☑	☑
1007030009	WZ-024L-PP	☑	☑	☑	☑
1007030010	WZ-032L-PP	☑	☑	☑	☑
1007030011	WZ-040L-PP	☑	☑	☑	☑
1007030012	WZ-048L-PP	☑	☑	☑	☑
1007030013	WZ-016L-PTFE	☑	☑		
1007030014	WZ-024L-PTFE	☑	☑		
1007030015	WZ-032L-PTFE	☑	☑		
1007030016	WZ-040L-PTFE	☑	☑		
1007030017	WZ-048L-PTFE	☑	☑		
<b>Barb-to-Male Adapter</b>					
1007030001	WZ-016-PP	☑	☑	☑	☑
1007030003	WZ-024-PP	☑	☑	☑	☑
1007030004	WZ-032-PP	☑	☑	☑	☑
1007030018	WZ-040-PP	☑	☑	☑	☑
1007030005	WZ-048-PP	☑	☑	☑	☑
1007030006	M8-064-PP	☑	☑	☑	☑
1007030007	M10-087-PP	☑	☑	☑	☑
<b>Elbow Barb-to-Male Adapter</b>					
1007040001	LWZ-016-PP	☑	☑	☑	☑
1007040002	LWZ-024-PP	☑	☑	☑	☑
1007040003	LWZ-032-PP	☑	☑	☑	☑
1007040004	LWZ-040-PP	☑	☑	☑	☑
1007040005	LWZ-048-PP	☑	☑	☑	☑
1007040006	LWZ-M8-064-PP	☑	☑	☑	☑
1007040007	LWZ-M10-087-PP	☑	☑	☑	☑



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SKU	Model No.	REACH Test Report	RoHS	Biocompatibility Report	FDA Report
<b>Equal Union</b>					
1008020001	DI-016	☑	☑	☑	☑
1008020002	DI-024	☑	☑	☑	☑
1008020003	DI-032	☑	☑	☑	☑
1008020004	DI-040	☑	☑	☑	☑
1008020005	DI-048	☑	☑	☑	☑
1008020006	DI-064	☑	☑	☑	☑
1008020007	DI-087	☑	☑	☑	☑
1008020031	DI-095	☑	☑	☑	☑
1008020032	DI-127	☑	☑	☑	☑
<b>SFR Equal Union</b>					
1008020028	SFR-DI-016	☑	☑	☑	☑
1008020029	SFR-DI-024	☑	☑	☑	☑
1008020030	SFR-DI-032	☑	☑	☑	☑
<b>Reducing Union</b>					
1008020008	BI-016/024	☑	☑	☑	☑
1008020009	BI-016/032	☑	☑	☑	☑
1008020010	BI-024/032	☑	☑	☑	☑
1008020011	BI-024/040	☑	☑	☑	☑
1008020012	BI-032/040	☑	☑	☑	☑
1008020013	BI-032/048	☑	☑	☑	☑
1008020014	BI-040/048	☑	☑	☑	☑
1008020015	BI-040/064	☑	☑	☑	☑
1008020016	BI-048/064	☑	☑	☑	☑
1008020017	BI-048/087	☑	☑	☑	☑
1008020018	BI-064/087	☑	☑	☑	☑
1008020033	BI-095/127	☑	☑	☑	☑
<b>Elbow Barbed Connector-Equal</b>					
1008060001	LD-016	☑	☑	☑	☑
1008060002	LD-024	☑	☑	☑	☑
1008060003	LD-032	☑	☑	☑	☑
1008060005	LD-040	☑	☑	☑	☑
1008060004	LD-048	☑	☑	☑	☑
1008060006	LD-064	☑	☑	☑	☑
1008060007	LD-087	☑	☑	☑	☑
1008060008	LD-095	☑	☑	☑	☑
1008060024	LD-127	☑	☑	☑	☑
<b>Elbow Barbed Connector-Reducing</b>					
1008060009	LB-016/024	☑	☑	☑	☑
1008060010	LB-016/032	☑	☑	☑	☑
1008060011	LB-024/032	☑	☑	☑	☑
1008060012	LB-024/040	☑	☑	☑	☑
1008060014	LB-032/040	☑	☑	☑	☑
1008060013	LB-032/048	☑	☑	☑	☑
1008060017	LB-040/048	☑	☑	☑	☑
1008060018	LB-040/064	☑	☑	☑	☑
1008060015	LB-048/064	☑	☑	☑	☑
1008060016	LB-048/087	☑	☑	☑	☑
1008060019	LB-064/087	☑	☑	☑	☑
1008060020	LB-064/095	☑	☑	☑	☑
1008060021	LB-087/095	☑	☑	☑	☑
1008060025	LB-095/127	☑	☑	☑	☑

SKU	Model No.	REACH Test Report	RoHS	Biocompatibility Report	FDA Report
<b>T Barbed Connector</b>					
1008010001	T-016	☑	☑	☑	☑
1008010002	T-020	☑	☑	☑	☑
1008010003	T-024	☑	☑	☑	☑
1008010005	T-032	☑	☑	☑	☑
1008010006	T-040	☑	☑	☑	☑
1008010007	T-048	☑	☑	☑	☑
1008010008	T-064	☑	☑	☑	☑
1008010009	T-087	☑	☑	☑	☑
1008010020	T-095	☑	☑	☑	☑
1008010021	T-127	☑	☑	☑	☑
<b>Y Barbed Connector</b>					
1008010010	Y-016	☑	☑	☑	☑
1008010011	Y-020	☑	☑	☑	☑
1008010012	Y-024	☑	☑	☑	☑
1008010013	Y-032	☑	☑	☑	☑
1008010014	Y-040	☑	☑	☑	☑
1008010016	Y-048	☑	☑	☑	☑
1008010015	Y-064	☑	☑	☑	☑
1008010017	Y-087	☑	☑	☑	☑
1008010022	Y-095	☑	☑	☑	☑
1008010023	Y-127	☑	☑	☑	☑
<b>Barbed Cross Connector</b>					
1008070001	DS-016	☑	☑	☑	☑
1008070002	DS-024	☑	☑	☑	☑
1008070003	DS-032	☑	☑	☑	☑
1008070004	DS-040	☑	☑	☑	☑
1008070005	DS-048	☑	☑	☑	☑
1008070006	DS-064	☑	☑	☑	☑
1008070007	DS-087	☑	☑	☑	☑
<b>Equal Bulkhead Union</b>					
1008030046	DC-016-1/4-28-016P * LM-1/4-28P	☑	☑	☑	☑
1008030047	DC-024-1/4-28-024P * LM-1/4-28P	☑	☑	☑	☑
1008030048	DC-032-1/4-28-032P * LM-1/4-28P	☑	☑	☑	☑
1008030049	DC-040-M8-040P * LM-M8P	☑	☑	☑	☑
1008030050	DC-048-M8-048P * LM-M8P	☑	☑	☑	☑
1008030051	DC-064-M10-064P * LM-M10P	☑	☑	☑	☑
1008030061	DC-087-M12-087P * LM-M12P	☑	☑	☑	☑
<b>Reducing Bulkhead Union</b>					
1008030052	BC-016-1/4-28-024P * LM-1/4-28P	☑	☑	☑	☑
1008030053	BC-016-1/4-28-032P * LM-1/4-28P	☑	☑	☑	☑
1008030054	BC-024-1/4-28-032P * LM-1/4-28P	☑	☑	☑	☑
1008030056	BC-024-1/4-28-048P * LM-1/4-28P	☑	☑	☑	☑
1008030055	BC-032-1/4-28-048P * LM-1/4-28P	☑	☑	☑	☑
1008030057	BC-032-1/4-28-064P * LM-1/4-28P	☑	☑	☑	☑
1008030058	BC-048-M8-064P * LM-M8P	☑	☑	☑	☑
1008030059	BC-064-M10-087P * LM-M10P	☑	☑	☑	☑
1008030060	BC-064-M10-127P * LM-M10P	☑	☑	☑	☑
1008030062	BC-087-M12-127P * LM-M12P	☑	☑	☑	☑
<b>L 型软管穿板接头</b>					
1008090011	LDC-016-1/4-28-016P * 1/4-28-S	☑	☑	☑	☑
1008090012	LDC-024-1/4-28-024P * 1/4-28-S	☑	☑	☑	☑
1008090013	LDC-032-1/4-28-032P * 1/4-28-S	☑	☑	☑	☑
1008090014	LDC-040-M8-040P * M8*1.25-S	☑	☑	☑	☑
1008090015	LDC-048-M10-048P * M10*1-S	☑	☑	☑	☑
1008090016	LDC-064-M10-064P * M10*1-S	☑	☑	☑	☑
1008090017	LDC-087-M12-087P * M12*1-S	☑	☑	☑	☑
1008090018	LDC-095-M13-095P * M13*1-S	☑	☑	☑	☑
1008090019	LDC-127-M16-127P * M16*12.5-S	☑	☑	☑	☑

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SKU	Model No.	REACH Test Report	RoHS	Biocompatibility Report	FDA Report
<b>Diaphragm check valve</b>					
1008040142	RZ-CV018ABS				
1008040147	RZ-CV018PAF				
1008040152	RZ-CV018PCF				
1008040151	RZ-CV018PDF				
1008040150	RZ-CV018PPE	☑	☑	☑	☑
1008040138	RZ-CV018PPF	☑	☑	☑	☑
1008040158	RZ-CV316ABS				
1008040153	RZ-CV316PAF				
1008040157	RZ-CV316PCF				
1008040156	RZ-CV316PDF				
1008040154	RZ-CV316PPF	☑	☑	☑	☑
1008040143	RZ-CV014ABS				
1008040160	RZ-CV014PAF				
1008040162	RZ-CV014PCF				
1008040163	RZ-CV014PDF				
1008040161	RZ-CV014PPF	☑	☑	☑	☑
1008040167	RZ-CV516ABS				
1008040186	RZ-CV516ABSN				
1008040165	RZ-CV516PAF				
1008040146	RZ-CV516PCF				
1008040166	RZ-CV516PDF				
1008040164	RZ-CV516PPF	☑	☑	☑	☑
1008040173	RZ-CV038ABS				
1008040168	RZ-CV038PAF				
1008040172	RZ-CV038PCF				
1008040144	RZ-CV038PDF				
1008040170	RZ-CV038PPF	☑	☑	☑	☑
<b>Reducing diaphragm check valve</b>					
1008040184	RZ-CV014-316PPF	☑	☑	☑	☑
<b>Coned check valve</b>					
1008040183	RZ-BV116PDE				
1008040188	RZ-BV116PPS	☑	☑	☑	☑
1008040002	RZ-BV018PPFVMQ	☑	☑	☑	☑
1008040176	RZ-BV018PPS	☑	☑	☑	☑
1008040177	RZ-BV018PPF	☑	☑	☑	☑
1008040178	RZ-BV316PPFVMQ	☑	☑	☑	☑
1008040179	RZ-BV316PDFVMQ				
<b>Spring check valve</b>					
1008040139	RZ-CV018SPPOF	☑	☑	☑	☑
1008040145	RZ-CV018SPDOF				
1008040174	RZ-CV316SPPOF	☑	☑	☑	☑
1008040140	RZ-CV316SPDOF				
1008040141	RZ-CV014SPPOF	☑	☑	☑	☑
1008040175	RZ-CV014SPDOF				
1008040180	RZ-CV316SPAF				
1008040181	RZ-CV014SPAF				
1008040182	RZ-CV516SPAF				
1008040189	RZ-CV316SPPS	☑	☑	☑	☑
1008040190	RZ-CV516SPPS	☑	☑	☑	☑
<b>Reducing Spring Check Valve</b>					
1066070001	RZ-CV332-116SGPS	☑	☑	☑	☑
<b>Barbed Sink Head</b>					
1008020021	CT-016				
1008020022	CT-024				
1008020023	CT-032				
1008020024	CT-040				
1008020025	CT-048				
1008020026	CT-064				
1008020027	CT-087				

SKU	Model No.	REACH Test Report	RoHS	Biocompatibility Report	FDA Report
<b>Male luer adapter</b>					
1008050006	RH-G016	☑	☑	☑	☑
1008050005	RH-G024	☑	☑	☑	☑
1008050004	RH-G032	☑	☑	☑	☑
1008050003	RH-G040	☑	☑	☑	☑
1008050002	RH-G048	☑	☑	☑	☑
1008050001	RH-G064	☑	☑	☑	☑
<b>Female luer adapter</b>					
1008050032	RH-M016	☑	☑	☑	☑
1008050031	RH-M024	☑	☑	☑	☑
1008050030	RH-M032	☑	☑	☑	☑
1008050029	RH-M040	☑	☑	☑	☑
1008050028	RH-M048	☑	☑	☑	☑
1008050027	RH-M064	☑	☑	☑	☑
<b>Bulkhead Luer adapter</b>					
1008050037	RH-C-M016 * C1/4-28 * LM-1/4-28P	☑	☑	☑	☑
1008050038	RH-C-M024 * C1/4-28 * LM-1/4-28P	☑	☑	☑	☑
1008050039	RH-C-M032 * C1/4-28 * LM-1/4-28P	☑	☑	☑	☑
1008050040	RH-C-M040 * C10 * LM-M10P	☑	☑	☑	☑
1008050041	RH-C-M048 * C10 * LM-M10P	☑	☑	☑	☑
1008050042	RH-C-M064 * C10 * LM-M10P	☑	☑	☑	☑
<b>Female luer bulkhead adapter</b>					
1008050043	RH-M-M10W* LM-M10P	☑	☑	☑	☑
<b>Luer adapter</b>					
1008050022	RH-G-(1/4-28)N	☑	☑	☑	☑
1008050023	RH-M-(1/4-28)N	☑	☑	☑	☑
1008050024	RH-G-(1/4-28)W	☑	☑	☑	☑
1008050026	RH-M-(1/4-28)W	☑	☑	☑	☑
1008050016	RH-2G	☑	☑	☑	☑
1008050017	RH-2M	☑	☑	☑	☑
1008050035	RH-G-D	☑	☑	☑	☑
1008050036	RH-M-D	☑	☑	☑	☑
1008050021	RH-2M-L	☑	☑	☑	☑
1008050018	RH-3M-T	☑	☑	☑	☑
1008050020	RH-3M-Y	☑	☑	☑	☑
1008050019	RH-4M	☑	☑	☑	☑

PEEK Fitting

Threaded Fitting

Barb-to-Thread Adapter

Barbed Connector

Tubing

PEEK Fitting

Threaded Fitting

Barb-to-Thread Adapter

Barbed Connector

Tubing