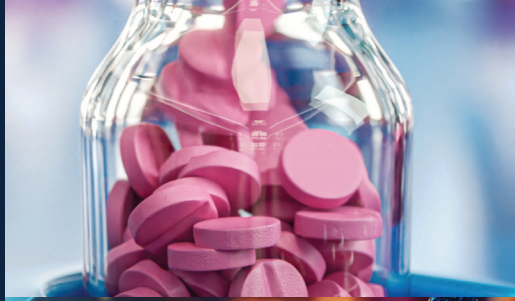
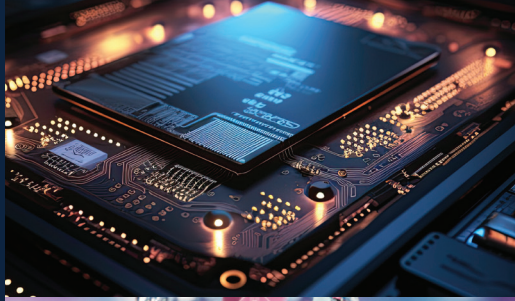


# Liquid Handling Fittings and Connectors Catalog

Wide range of solutions for your  
fluidic system



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# Standard Fittings with Straight Threads

Our Standard Straight-Thread Fittings are precision-engineered for fast, tool-free assembly while ensuring maximum durability and leak resistance. Designed for use with ETFE ferrules, these fittings provide outstanding chemical resistance, high mechanical strength, and excellent thermal stability, making them ideal for aggressive media and demanding operating environments. Installation is simple: slide the nut and ETFE ferrule onto the tube, and screw the assembly securely into place – no wrenches or crimping tools required.

Constructed to withstand operating pressures up to temperature ranges from e.g.,  $-20^{\circ}\text{C}$  to  $120^{\circ}\text{C}$ , these fittings maintain reliable performance across a wide spectrum of industrial, laboratory, and chemical processing applications. The ETFE material complies with industry standards for chemical compatibility and cleanliness, making it suitable for ultrapure fluid transfer systems. Available in multiple thread sizes and tube diameters, our straight-thread fittings deliver consistent sealing performance while simplifying maintenance and reducing system downtime.

For systems that require repeatable, high-integrity connections without the need for extensive operator training or complex tools, our straight-thread fittings with ETFE ferrules offer a best-in-class solution.

# 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): -60°C ~ + 150°C
- Used for standard rigid tubing OD 1.6/2.0/2.5/3.0/3.2 mm, easy and fast installation.
- Thread: 1/4-28UN F, M6
- *REACH and RoHS Certified, Biocompatibility reports available.*

### Application Note



#### Nut-PEEK

Our Nuts provide fingertight convenience - no wrenches required.

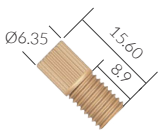
#### Ferrule- ETFE

Our Ferrules provide a leak-proof seal. There is no need to spend time flanging tubing.

- 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.** Fingertighten the fittings into the port until snug
- Step 4.** After several uses (especially at high pressure) the ferrules should be replaced

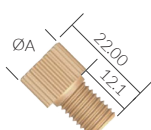
### Related Products

#### Flangeless Nut (mm)



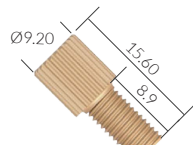
**WF09B**  
1.6/2.0 mm OD tube

**WP08B**  
2.5/3.0/3.2 mm OD tube



**WF03B**  
1.6/2.0 mm OD tube

**WD03B**  
2.5/3.0/3.2 mm OD tube

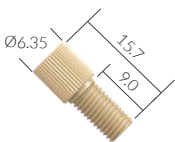


**WF07B**  
1.6/2.0 mm OD tube

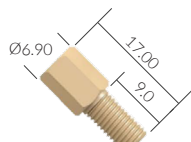
**WP07B**  
2.5/3.0/3.2 mm OD tube

**Note:**  
WF07B 1/4-28 K, ØA = Ø9.00  
WP07B 1/4-28-K, ØA = Ø9.20  
WF07B M6K, ØA = Ø9.20  
WP07B M6K, ØA = Ø9.00

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



**WF25E-10-32-K**  
1.6 mm OD tube



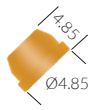
**WF21C-10-32-K**  
1.6 mm OD tube

#### Ferrule (mm)



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

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

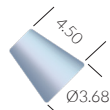


**YC-025F**  
2.5 mm OD tube

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

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

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



**YT-016-F**  
1.6 mm OD tube

Tube to achieve connection with rigid tube

| Part No.   | 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 |

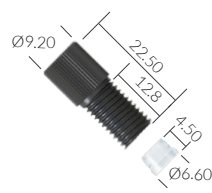
It is recommended to purchase a hand-tightening tooling with a longer handle section and a larger force area to facilitate the fastening of fittings located in tight spaces.



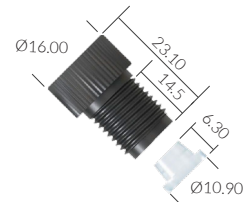
| Part No.   | Model (ID*OD) | Note   |
|------------|---------------|--|
| 1006010632 | YTSNGZ-03     | Suitable for WFOIB, WD01B, WF25E flangeless fittings |
| 1006010652 | YTSNGZ-08     | Suitable for WF06B, WD068B, PEEK flangeless fittings |
| 1006010647 | YTSNGZ-07     | Suitable for WF03B, WD03B, PEEK flangeless fittings  |
| 1006010645 | YTSNGZ-05     | Suitable for WFOIC PEEK flangeless fittings          |
| 1066080003 | N20LTDK       | Torque detector                                      |

# Flangeless Nut: 5/16-24 UNF 12-20 UNF

Widely used in the pharmaceutical automation industry



**WD06B-24K + YK-048F**  
PEEK Flangeless Nut + ETFE Ferrule  
4.8 mm OD Tube



**WD06B-24K + YK-048F**  
PEEK Flangeless Nut + ETFE Ferrule  
6.4 mm OD Tube

| Part No.                       | Model No.               | Thread      | Tube OD   | Torque  | Pull-off Strength | Rapture Pressure | Pressure Rating | Deformation Degree | Material        |
|--------------------------------|-------------------------|-------------|-----------|---------|-------------------|------------------|-----------------|--------------------|-----------------|
| <b>A 1/4 28UNF M6</b>          |                         |             |           |         |                   |                  |                 |                    |                 |
| CC-100241                      | WF09B-28K*YE-016F       | 1/4-28 UNF  | 1.6 mm OD | 0.2 N·M | 1.86 kgf          | 8.52Mpa          | 5.96 Mpa        | 0.9                | PEEK' ETFE      |
| CC-100240                      | WF09B-28K*YE-020F       | 1/4-28 UNF  | 2.0 mm OD | 0.2 N·M | 1.94 kgf          | 9.81 Mpa         | 6.87 Mpa        | 0.76               | PEEK' ETFE      |
| CC-100239                      | WP08B-28K*YC-025F       | 1/4-28 UNF  | 2.5 mmOD  | 0.3 N·M | 2.92 kgf          | 6.67 Mpa         | 4.67 Mpa        | 0.867              | PEEK' ETFE      |
| CC-100238                      | WP08B-28K*YC-030F       | 1/4-28 UNF  | 3.0 mm OD | 0.3N·M  | 4.05 kgf          | 5.88 Mpa         | 4.12 Mpa        | 0.83               | PEEK' ETFE      |
| CC-100237                      | WP08B-28K*YC-032F       | 1/4-28 UNF  | 3.2 mm OD | 0.3 N·M | 4.05 kgf          | 9.04 Mpa         | 6.33 Mpa        | 0.74               | PEEK' ETFE      |
| CC-100247                      | WF09B-M6K*YE-016F       | M6          | 1.6 mm OD | 0.2 N·M | 2.21 kgf          | 9.09 Mpa         | 6.36 Mpa        | 0.8                | PEEK' ETFE      |
| CC-100248                      | WF09B-M6K*YE-020F       | M6          | 2.0 mm OD | 0.2 N·M | 2.74 kgf          | 9.55 Mpa         | 6.69 Mpa        | 0.73               | PEEK' ETFE      |
| CC-100249                      | WP08B-M5K*YC-025F       | M6          | 2.5mm OD  | 0.3 N·M | 3.49 kgf          | 5.36 Mpa         | 3.75Mpa         | 0.82               | PEEK' ETFE      |
| CC-100250                      | WP08B-M5K*YC-030F       | M6          | 3.0mm OD  | 0.3 N·M | 4.29 kgf          | 4.93 Mpa         | 3.45 Mpa        | 0.8                | PEEK' ETFE      |
| CC-100251                      | WP08B-M5K*YC-032F       | M6          | 3.2 mm OD | 0.3 N·M | 3.91 kgf          | 7.42 Mpa         | 5.19 Mpa        | 0.74               | PEEK' ETFE      |
| CC-100261                      | WF07B-2EK*YE-016F       | 1/4-28 UNF  | 1.6 mm OD | 0.2 N·M | 1.93 kgf          | 9.62 Mpa         | 6.73Mpa         | 0.79               | PEEK' ETFE      |
| CC-100262                      | WF07B-2EK*YE-020F       | 1/4-28 UNF  | 2.0 mm OD | 0.2 N·M | 2.02 kgf          | 9.82 Mpa         | 6.87Mpa         | 0.85               | PEEK' ETFE      |
| CC-100244                      | WP07B-28K*YC-025F       | 1/4-28 UNF  | 2.5 mm OD | 0.2 N·M | 3.41 kgf          | 6.72 Mpa         | 4.70 Mpa        | 0.8                | PEEK' ETFE      |
| CC-100245                      | WP07B-28K*YC-030F       | 1/4-28 UNF  | 3.0 mm OD | 0.2 N·M | 3.48 kgf          | 5.30 Mpa         | 3.71 Mpa        | 0.8                | PEEK' ETFE      |
| CC-100246                      | WP07B-28K*YC-032F       | 1/4-28 UNF  | 3.2 mmOD  | 0.3 N·M | 3.94kgf           | 7.62 Mpa         | 5.33 Mpa        | 0.72               | PEEK' ETFE      |
| CC-100242                      | WF07B-M 6K* YE-016F     | M6          | 1.6 mm OD | 0.2N·M  | 2.39 kgf          | 9.51 Mpa         | 6.66 Mpa        | 0.73               | PEEK' ETFE      |
| CC-100243                      | WF07B-M6K*YE-020F       | M6          | 2.0 mm OD | 0.2 N·M | 1.80 kgf          | 10.2 Mpa         | 7.14 Mpa        | 0.73               | PEEK' ETFE      |
| CC-100258                      | WP07B-M5K*YC-025F       | M6          | 2.5 mm OD | 0.2 N·M | 3.34 kgf          | 7.33 Mpa         | 5.13 Mpa        | 0.7                | PEEK' ETFE      |
| CC-100259                      | WP07B-M5K*YC-030F       | M6          | 3.0 mm OD | 0.2 N·M | 3.84 kgf          | 5.31 Mpa         | 3.72 Mpa        | 0.82               | PEEK' ETFE      |
| CC-100260                      | WP07B-M5K*YC-032F       | M6          | 3.2 mm OD | 0.3 N·M | 4.14 kgf          | 7.41 Mpa         | 5.19 Mpa        | 0.72               | PEEK' ETFE      |
| CC-100263                      | WF03B-28K*YE-016F       | 1/4-28 UNF  | 1.6 mmOD  | 0.2 N·M | 1.34 kgf          | 10.08 Mpa        | 7.06 Mpa        | 0.84               | PEEK' ETFE      |
| CC-100264                      | WF03B-28K*YE-020F       | 1/4-28 UNF  | 2.0 mm OD | 0.2 N·M | 2.65 kgf          | 10.47 Mpa        | 7.33 Mpa        | 0.73               | PEEK' ETFE      |
| CC-100252                      | WD03B-28K*YC-025F       | 1/4-28 UNF  | 2.5 mmOD  | 0.2 N·M | 3.61 kgf          | 5.45 Mpa         | 3.82 Mpa        | 0.77               | PEEK' ETFE      |
| CC-100253                      | WD03B-28K*YC-030F       | 1/4-28 UNF  | 3.0mm OD  | 0.2 N·M | 3.85 kgf          | 5.64 Mpa         | 3.95 Mpa        | 0.8                | PEEK' ETFE      |
| CC-100254                      | WD03B-28K*YC-032F       | 1/4-28 UNF  | 3.2 mm OD | 0.2 N·M | 4.43 kgf          | 7.62 Mpa         | 5.08 Mpa        | 0.72               | PEEK' ETFE      |
| 1011010078                     | WF03B-M6K*YE-016F       | M6          | 1.6 mm OD | 0.2 N·M | 2.14 kgf          | 8.46 Mpa         | 5.92 Mpa        | 0.75               | PEEK' ETFE      |
| 1011010079                     | WF03B-M6K*YE-020F       | M6          | 2.0 mm OD | 0.2 N·M | 2.21 kgf          | 10.21 Mpa        | 7.15 Mpa        | 0.8                | PEEK' ETFE      |
| CC-100255                      | WD03B-t/ 6K*YC-025F     | M6          | 2.5 mm OD | 0.2 N·M | 3.43 kgf          | 5.97 Mpa         | 4.18 Mpa        | 0.78               | PEEK' ETFE      |
| CC-100256                      | WD03B-M6K*YC-030F       | M6          | 3.0 mm OD | 0.2 N·M | 4.07 kgf          | 5.63 Mpa         | 3.94 Mpa        | 0.76               | PEEK' ETFE      |
| CC-100256                      | WD03B-t/6K*YC-032F      | M6          | 3.2 mm OD | 0.3 N·M | 4.04 kgf          | 7.26 Mpa         | 5.08 Mpa        | 0.72               | PEEK' ETFE      |
| <b>B 10-32UNF</b>              |                         |             |           |         |                   |                  |                 |                    |                 |
| 1011010131                     | WF25E-32K*YT-016F       | 10/32 UNF   | 1.6 mmOD  | 0.3 N·M | 3.18 kgf          | 11.34 Mpa        | 7.94 Mpa        | 0.58               | PEEK' ETFE      |
| 1011010132                     | WF21C-32K*YT-016F       | 10/32 UNF   | 1.6 mm OD | 0.3 N·M | 2.59 kgf          | 10.57 Mpa        | 7.40 Mpa        | 0.58               | PEEK' ETFE      |
| <b>C 5/16 24UNF, 1/2 20UNF</b> |                         |             |           |         |                   |                  |                 |                    |                 |
| 1011010093                     | WD06B-24K-black*YK-048F | 5/16-24 UNF | 4.8 mm OD | 0.5 N·M | 9.15 kgf          | 5.61 Mpa         | 3.93 Mpa        | 0.836              | PEEKBlack' ETFE |
| CC-100265                      | WD06B-20K-black*YK-064F | 1/2-20 UNF  | 6.4 mm OD | 0.8 N·M | 11.07 kgf         | 5.36 Mpa         | 3.75 Mpa        | 0.93               | PEEKBlac-' ETFE |

\*The definitions of pull-out force, failure value, pressure resistance value, and pipe deformation can be found in the notes under "Joint Overview"  
FEP pipes used for testing are 0.8\*1.6\*1.0\*2.0\*1.5\*2.5\*2.0\*3.0\*1.6\*3.2\*3.3\*4.8\*4.35\*6.35mm

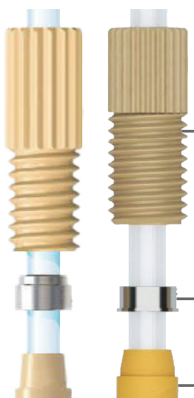
# PEEK Flangeless Fitting

## 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 tightened even when vibrating.
- High pressure fittings, ideal for pre-assembled tubing and where disconnections are often required
- Long-term working temperature range -60°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



### Nut-PEEK

- Our Nuts provide fingertight convenience - no wrenches required.

### Lock ring-SST

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

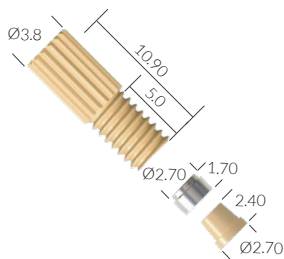
### Ferrule-ETFE

- **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.

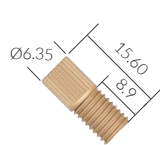
### PEEK Flangeless

6-40 UNF (Special connector for 24 way switching valve in the gene industry)



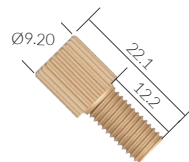
WF10C-40K + KCF-023SUS316 + YES-016K  
1.6 mm OD tube

### Ferrule (mm)



WF01B  
1.6/2.0 mm OD tube

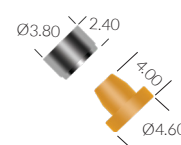
WD01B  
2.5/3.0/3.2 mm OD tube



WF06B  
1.6/2.0 mm OD tube

WD06B  
2.5/3.0/3.2 mm OD tube

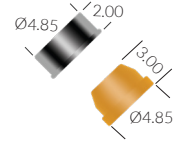
### Lock Ring/Ferrule (mm)



KCF-038SUS316  
1.6/2.0 mm OD tube

+  
YE-016F  
1.6 mm OD tube

YE-020F  
2.0 mm OD tube



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

+  
YK-025F  
2.5 mm OD tube

YK-030F  
3.0 mm OD tube

YK-032F  
3.2 mm OD tube

## Related Products

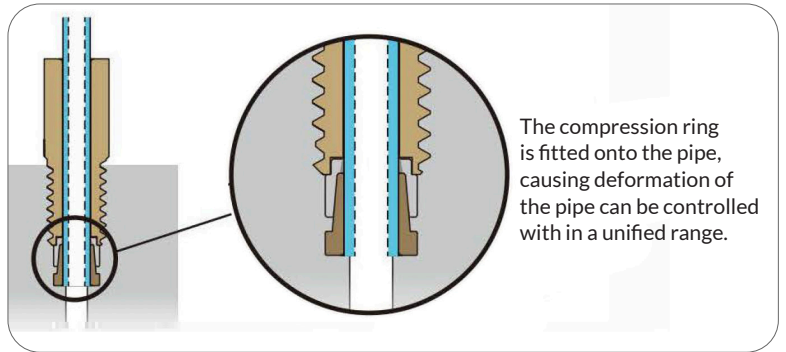
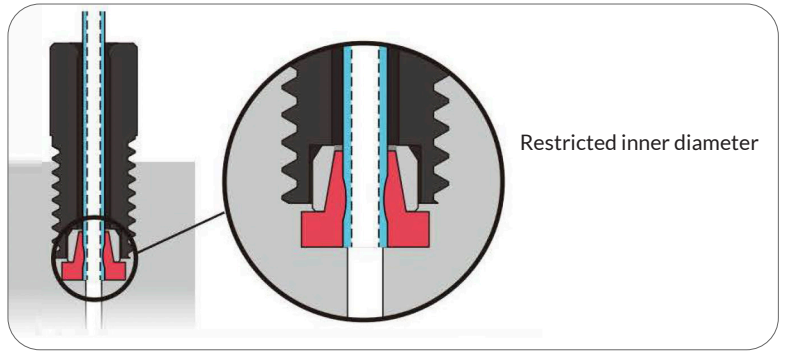
FEP/PTFE Tube to achieve connection with rigid tube

| Part No.  | Model (ID*OD)             | Note            |
|-----------|---------------------------|-----------------|
| CT-100060 | TFLG00001(0.8' 1.6)       | FEP Transparent |
| CT-100061 | TFLG00002 (1' 2)          | FEP Transparent |
| CT-100062 | TFLG00003 (1.5*2.5)       | FEP Transparent |
| CT-100063 | TFLG00004 (2*3)           | FEP Transparent |
| CT-100064 | TFLG00005 (2. 175'3. 175) | FEP Transparent |

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



| Part No.   | Model (ID*OD) | Note  |
|------------|---------------|---|
| 1006010632 | YTSNGZ-03     | Suitable for WFOIB, WDOIB flangeless fittings |
| 1006010652 | YTSNGZ-08     | Suitable for WF06B, WDO6B flangeless fittings |
| 1006010633 | YTSNGZ-04     | Suitable for F1OC flangeless fittings         |
| 1066080003 | N20LTDK       | Torque detector                               |



| Part No.                | Model No.                            | Thread     | Tube OD   | Torque  | Pull-off Strength | Rapture Pressure | Pressure Rating | Deformation Degree | Material (natural "yellow" SUS316) |
|-------------------------|--------------------------------------|------------|-----------|---------|-------------------|------------------|-----------------|--------------------|------------------------------------|
| <b>A 1/4-28 UNF, M6</b> |                                      |            |           |         |                   |                  |                 |                    |                                    |
| CC-100227               | WF018-28K*YE-016F*<br>KCF-038SUS316  | 1/4-28 UNF | 1.6 mm OD | 0.2 N·M | 2.17 kgf          | 10.08 Mpa        | 7.06 Mpa        | 0.76               | PEEK*ETFE*SUS316                   |
| CC-100228               | WF018-28K*YE-020F*<br>KCF-038SUS316  | 1/4-28 UNF | 2.0 mm OD | 0.2 N·M | 3.01 kgf          | 10.76 Mpa        | 7.53 Mpa        | 0.7                | PEEK*ETFE*SUS316                   |
| CC-100229               | WD018-28K*YK-025F*<br>KCF-045SU S316 | 1/4-28 UNF | 2.5 mmOD  | 0.2 N·M | 3.89 kgf          | 6.72 Mpa         | 4.70 Mpa        | 0.91               | PEEK*ETFE*SUS316                   |
| CC-100230               | WD018-28K*YK-030F*<br>KCF-045SUS316  | 1/4-28 UNF | 3.0 mm OD | 0.2 N·M | 3.89 kgf          | 5.85 Mpa         | 4.09 Mpa        | 0.93               | PEEK*ETFE*SUS316                   |
| CC-100231               | WD018-28K*YK-032F*<br>KCF-045SUS316  | 1/4-28 UNF | 3.2 mm OD | 0.2 N·M | 5.69 kgf          | 6.90 Mpa         | 4.83 Mpa        | 0.79               | PEEK*ETFE*SUS316                   |
| 1011010070              | WF018-M6K*YE-016F*<br>KCF-038SUS316  | M6         | 1.6 mm OD | 0.2 N·M | 2.43 kgf          | 10.15 Mpa        | 7.11 Mpa        | 0.788              | PEEK*ETFE*SUS316                   |
| 1011010071              | WF018-M6K*YE-020F*<br>KCF-038SUS316  | M6         | 2.0 mm OD | 0.2 N·M | 3.05 kgf          | 11.31 Mpa        | 7.92 Mpa        | 0.67               | PEEK*ETFE*SUS316                   |
| CC-100232               | WF06B-28K*YE-016F*<br>KCF-038SUS316  | 1/4-28 UNF | 1.6 mm OD | 0.2 N·M | 2.85 kgf          | 10.7 Mpa         | 7.49 Mpa        | 0.788              | PEEK*ETFE*SUS316                   |
| CC-100233               | WF06B-28K*YE-020F*<br>KCF-038SUS316  | 1/4-28 UNF | 2.0 mm OD | 0.2 N·M | 2.74 kgf          | 9.04 Mpa         | 6.33 Mpa        | 0.73               | PEEK*ETFE*SUS316                   |
| CC-100234               | WD06B-28K*YK-025F*<br>KCF-045SUS316  | 1/4-28 UNF | 2.5 mmOD  | 0.2 N·M | 2.78 kgf          | 7.07 Mpa         | 4.95 Mpa        | 0.77               | PEEK*ETFE*SUS316                   |
| CC-100235               | WD06B-28K*YK-030F*<br>KCF-045SUS316  | 1/4-28 UNF | 3.0 mm OD | 0.2 N·M | 3.99 kgf          | 5.25 Mpa         | 3.68 Mpa        | 0.82               | PEEK*ETFE*SUS316                   |
| CC-100236               | WD06B-28K*YK-032F*<br>KCF-045SUS316  | 1/4-28 UNF | 3.2 mm OD | 0.2 N·M | 5.69 kgf          | 7.22 Mpa         | 5.05 Mpa        | 0.769              | PEEK*ETFE*SUS316                   |
| 1011010072              | WF06B-M6K*YE-016F*<br>KCF-038SUS316  | M6         | 1.6 mm OD | 0.2 N·M | 2.86 kgf          | 10.32 Mpa        | 7.22 Mpa        | 0.75               | PEEK*ETFE*SUS316                   |
| 1011010073              | WF06B-M6K*YE-020F*<br>KCF-038SUS316  | M6         | 2.0 mm OD | 0.2 N·M | 3.05 kgf          | 10.85 Mpa        | 7.60 Mpa        | 0.72               | PEEK*ETFE*SUS316                   |
| <b>B 6-40 UNF</b>       |                                      |            |           |         |                   |                  |                 |                    |                                    |
| 1011010091              | WF10C-40K*YES-016K*<br>KCF-023SUS316 | 6-40 UNF   | 1.6 mm OD | 0.2 N·M | 2.75 kgf          | 9.68 Mpa         | 6.78 Mpa        | 0.65               | PEEK*ETFE*SUS316                   |

\* Definitions for pull-out force, breakage value, pressure resistance, and tube deformation Tests used FEP tubes: 0.8\*1.6,1.0\*2.0,1.5\*2.5,2.0\*3.0,1.6\*3.2 mm.

# 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 -60°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
- *REACH and RoHS Certified, Biocompatibility reports available.*

### Application Note



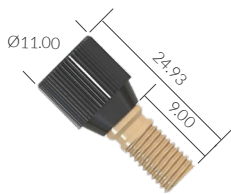
**Nut-PEEK**  
Our Nuts provide fingertight convenience - no wrenches required.

**Ferrule- ETFE**

- **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

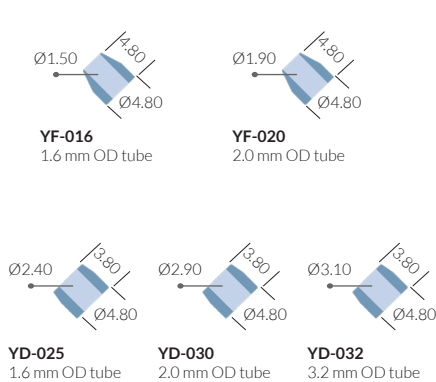
### Related Products

#### Nut (mm)



- YWF16EL-28K-K** (deep dark)  
1.6 mm OD tube
- YWF06EL-28K-K** (deep dark)  
2.0 mm OD tube
- YWD16EL-28K-K** (deep dark)  
2.5 mm OD tube
- YWD36EL-28K-K** (deep dark)  
3.0 mm OD tube
- YWD06EL-28K-K** (deep dark)  
3.2 mm OD tube

#### Ferrule (mm)



FEP/PTFE Tube to achieve connection with rigid tube

| Part No.  | Model (ID*OD)           | Note            |
|-----------|-------------------------|-----------------|
| CT-100060 | TFLG00001 (0.8' 1.6)    | FEP Transparent |
| CT-100061 | TFLG00002 (1' 2)        | FEP Transparent |
| CT-100062 | TFLG00003 (1.5*2.5)     | FEP Transparent |
| CT-100063 | TFLG00004 (2*3)         | FEP Transparent |
| CT-100064 | TFLG00005 (2.175'3.175) | FEP Transparent |

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

# 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 tightened even when vibrating.
- Long-term working temperature range -60°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
- **REACH and RoHS Certified, Biocompatibility reports available.**

## Application Note



### 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

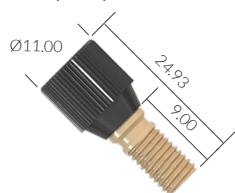
### Ferrule-ETFE

- **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.** Fingertighten 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

### Nut (mm)



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

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

### Lock Ring/Ferrule (mm)



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



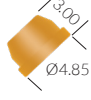
**KCF-045SUS316**  
2.5/3.0/3.2 mm OD tube

### Ferrule (mm)



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

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



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

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

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

FEP/PTFE Tube to achieve connection with rigid tube

| Part No.  | Model (ID*OD)           | Note            |
|-----------|-------------------------|-----------------|
| CT-100060 | TFLG00001 (0.8' 1.6)    | FEP Transparent |
| CT-100061 | TFLG00002 (1' 2)        | FEP Transparent |
| CT-100062 | TFLG00003 (1.5*2.5)     | FEP Transparent |
| CT-100063 | TFLG00004 (2*3)         | FEP Transparent |
| CT-100064 | TFLG00005 (2.175'3.175) | FEP Transparent |

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

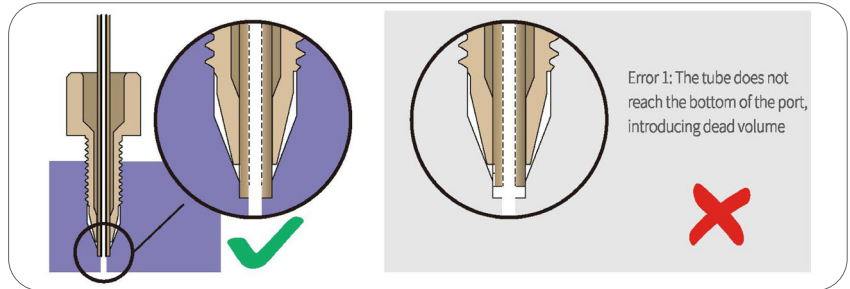
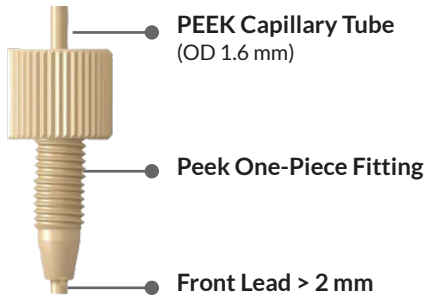
# PEEK Hand Tightening Fitting

## One-piece

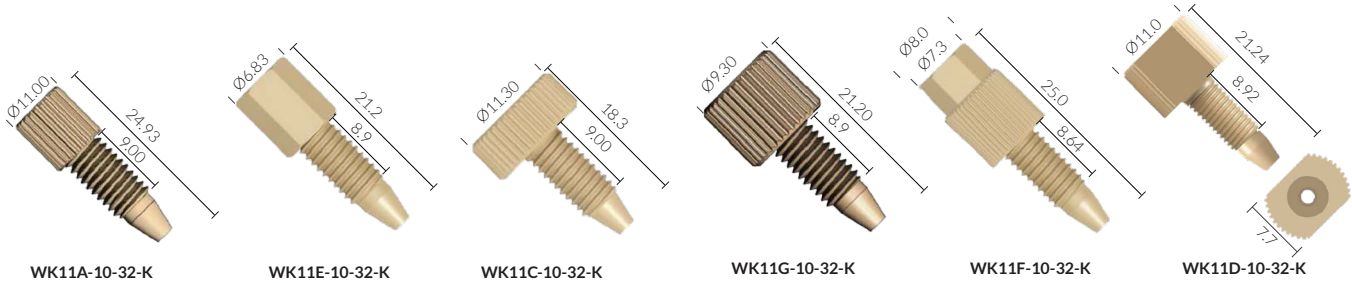


- Continuous operating temperature: -60°C~+250°C
- Original one-piece hand tightening fittings
- 10-32 th readed coned head for HPLC system application
- Suitable for 1.6 mm OD PEEK/PTFE/ ETFE/ FEP and other semi-rigid tubes
- *REACH and RoHS Certified, Biocompatibility reports available.*

### Application Note



### Related Products



| Part No.   | Model (ID*OD) | Note         |
|------------|---------------|--------------|
| 1005050007 | 0.1*1.6       | PEEK natural |
| 1005050006 | 0.13. 1.6     | PEEK natural |
| 1005050003 | 0.5-1.6       | PEEK natural |
| 1005050002 | 0.75*1.6      | PEEK natural |
| 1005050001 | 1*1.6         | PEEK natural |

PEEK capillary tubing that fits these fittings



| Part No.   | Model No.  | Note                                     |
|------------|------------|--|
| 1006010632 | YTSNGZ-03  | Suitable for WK11A-10-32-K WFI5E-10-31-K |
| 1006010645 | OYTSNGZ-05 | Suitable for WK11E-10-32-K WFIIC-10-32-K |
| 1006010654 | YTSNGZ-10  | Suitable for WK11C-10-32-K WFBG-10-32-K  |
| 1006010646 | YTSNGZ-06  | Suitable for WK11G-10-32-k WFIIA-10-32-K |
| 1006010656 | YTSNGZ-12  | Suitable for WK11F-10-32-K               |
| 1066080003 | N20LTDK    | Torque detector                          |

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

| Part No.   | Model No.     | Thread          | Tube OD   | Torque  | Pull-off Strength | Rapture Pressure | Pressure Rating | Deformation Degree | Material     |
|------------|---------------|-----------------|-----------|---------|-------------------|------------------|-----------------|--------------------|--------------|
| 1011010005 | WK11A-10-32-K | 10-32 UNF Coned | 1.6 mm OD | 0.3 N·M | 10.52 kgf         | --               | 17.75 Mpa       | 0.84               | PEEK natural |
| 1011010006 | WK11E-10-32-K | 10-32 UNF Coned | 1.6 mm OD | 0.3 N·M | 10.17 kgf         | --               | 17.75 Mpa       | 0.84               | PEEK natural |
| 1011010007 | WK11C-10-32-K | 10-32 UNF Coned | 1.6 mm OD | 0.3 N·M | 10.34 kgf         | 15.45 Mpa        | 15.45 Mpa       | 0.84               | PEEK natural |
| 1011010008 | WK11G-10-32-K | 10-32 UNF Coned | 1.6 mm OD | 0.3 N·M | 10.12 kgf         | 17.155 Mpa       | 17.15 Mpa       | --                 | PEEK natural |
| 1011010125 | WK11F-10-32-K | 10-32 UNF Coned | 1.6 mm OD | --      | --                | --               | --              | --                 | PEEK natural |
| 1011010137 | WK11D-10-32-K | 10-32 UNF Coned | 1.6 mm OD | --      | --                | --               | --              | --                 | PEEK natural |

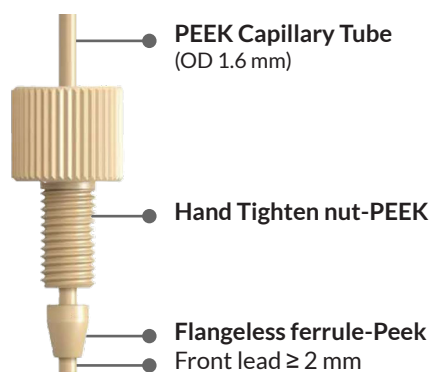
# PEEK Hand Tightening Fitting

## two-piece



- Two-piece design, economical and practical, only need to replace the flangeless nut
- Continuous operating temperature: -60' 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

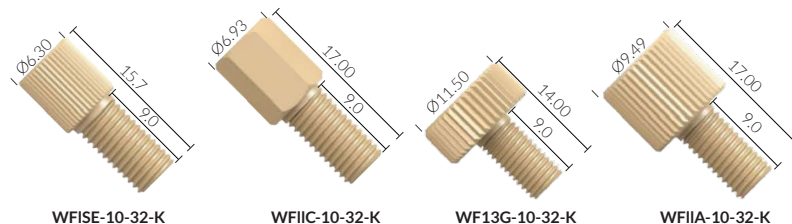


Other installation considerations are the same as for PEEK one-piece fittings

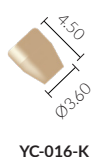
- The related products are the same as the PEEK One-piece Hand Tightening Fitting
- The installation precautions are the same as those for PEEK One-piece Hand Tightening Fitting

### Related Products

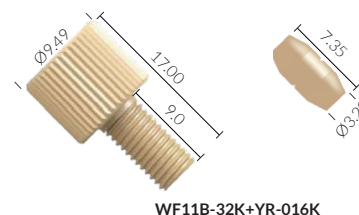
#### Hand tighten nut (mm)



#### Flangeless ferrule (mm)



#### Two-piece (mm)



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

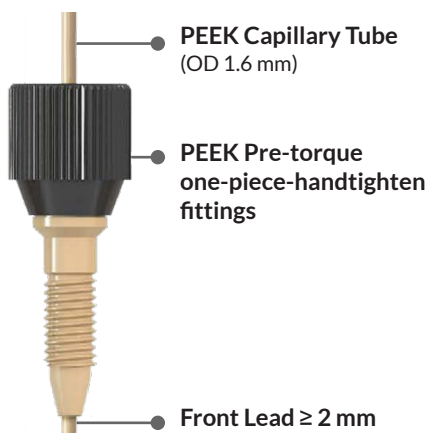
\*The definitions of Pull-off force, Rapture value, and Pressure rating.

# PEEK Handtighten Fitting



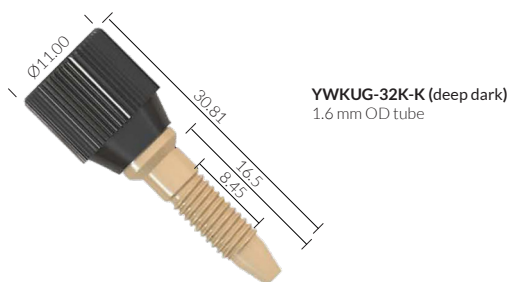
- Original one-piece hand tightening fittings
- The preset torque of fittings is to effectively prevent the leakage of liquid caused by improper screwing of fittings or the dislodgement of tubes with too much torque.
- Continuous operating temperature: -60°C+250°C
- 10-32 threaded coned head for HPLC 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



PEEK capillary tubing that fits these fittings

| Part No.   | 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 |

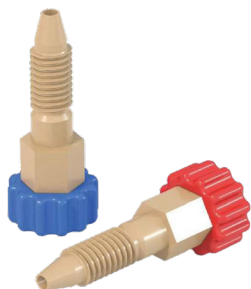
It is recommended to purchase the handtighten tooling. The handle is designed to be longer and larger with a larger force area, it is easier to tighten fittings in tight spaces.



| Part No.   | Model (ID*OD) | Note         |
|------------|---------------|--------------|
| 1005050007 | 0.1*1.6       | PEEK natural |

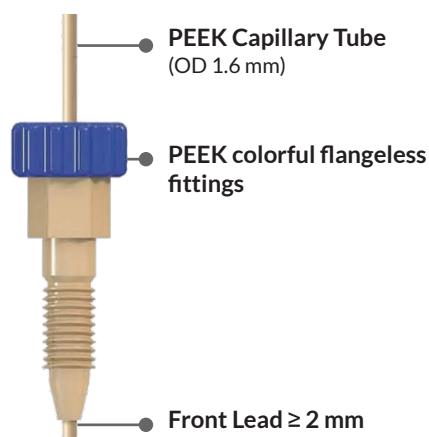
| Part No.   | Model (ID*OD)            | Thread   | Tube OD   | Material                |
|------------|--------------------------|----------|-----------|-------------------------|
| 1011010116 | YWK11G-32K-K (deep dark) | 10-32UNF | 1.6 mm OD | PEEK natural*PEEK black |

# PEEK Colorful Flangeless Fitting

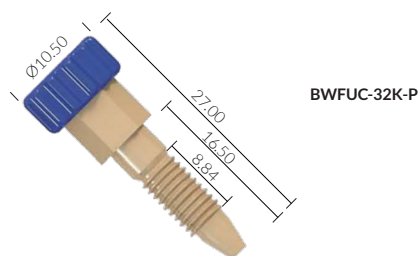


- Different fitting colors for easy differentiation of flow paths
- 10-32 threaded coned head for HPLC system application
- Suitable for 1.6 mm OD PEEK/PTFE/ETFE/FEP and other semi-rigid tubes
- *REACH and RoHS Certified ,Biocompatibility reports available.*

## Application Note



## Related Products



PEEK capillary tubing that fits these fittings

| Part No.   | 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 |

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

# PEEK Coned Plug



- For blocking the flow of liquids and gases
- Long-term working temperature range -60°C~+250°C
- Threa d : 1/4-28UNF, 10-32UNF
- *REACH and RoHS Certified, Biocompatibility reports available.*

## Application Note

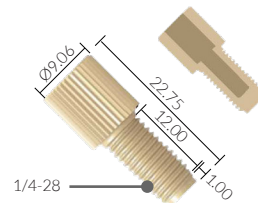


It is recommended to purchase the handtighten tooling. The handle is designed to be longer and larger. with a larger force area, it is easier to tighten fittings in tight spaces.

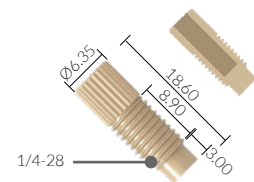
| Part No.   | Model (ID*OD) | Note                        |
|------------|---------------|-----------------------------|
| 1006010656 | YTSNGZ-12     | Suitable for WDD11F-32K     |
| 1066080003 | N20LTDK       | Torque detector             |
| 1006010632 | YTSNGZ-03     | Suitable for WDD11A-10-32-k |
| 1006010645 | YTSNGZ-05     | Suitable for WDD11E-10-32-k |
| 1006010654 | YTSNGZ-10     | Suitable for WDD11C-10-32-k |
| 1006010646 | YTSNGZ-06     | Suitable for WDD11G-10-32-k |

| Part No.   | Model No       | Thread     | Material     |
|------------|----------------|------------|--------------|
| 1011170002 | WDD-28K        | 1/4-28 UNF | PEEK natural |
| 1011170005 | WDD01B-28K     | 1/4-28 UNF | PEEK natural |
| 1011170004 | WDD20C-40K     | 6-40 UNF   | PEEK natural |
| 1011170001 | WDD11F-32K     | 10-32 UNF  | PEEK natural |
| 1011170006 | WDD11A-10-32-K | 10-32 UNF  | PEEK natural |
| 1011170007 | WDD11E-10-32-K | 10-32 UNF  | PEEK natural |
| 1011170008 | WDD11C-10-32-K | 10-32 UNF  | PEEK natural |
| 1011170009 | WDD11G-10-32-K | 10-32 UNF  | PEEK natural |
| 1011170010 | WDD11D-10-32-K | 10-32 UNF  |              |

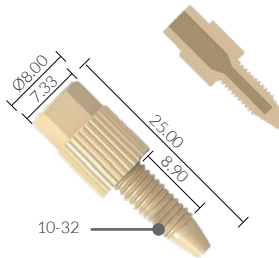
## Related Products



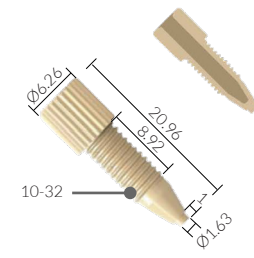
1/4-28  
WDD-28K



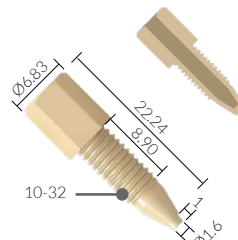
1/4-28  
WDD01B-28K



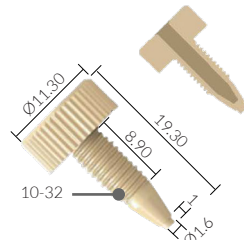
10-32  
WDD11F-32K



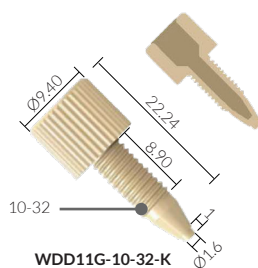
10-32  
WDD11A-10-32-K



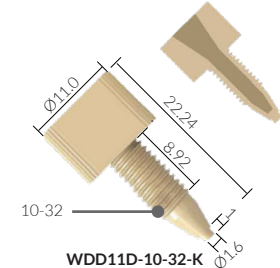
10-32  
WDD11E-10-32-K



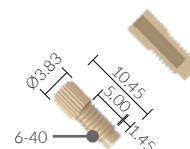
10-32  
WDD11C-10-32-K



10-32  
WDD11G-10-32-K



10-32  
WDD11D-10-32-K



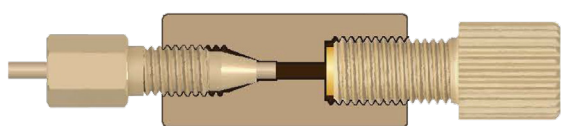
6-40  
WD020C-40K-yellow

# PEEK Female Thread Straight Adapter

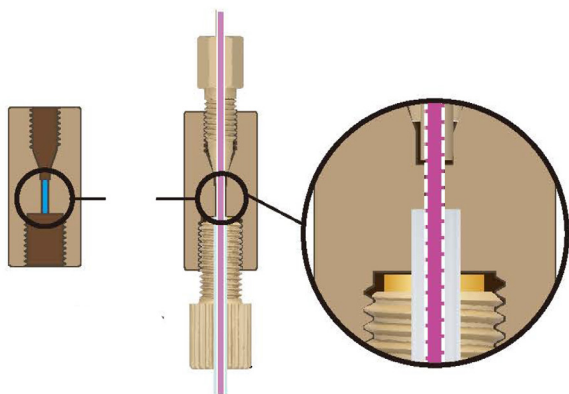


- Connecting fittings with the same or different threads together with rigid tube connection system, connection without leakage can be achieved
- Long-term working temperature range-60°C~+250°C
- Suitable for standard 10-32 UNF conical fittings or 1/4-28UNF flat bottom threaded fittings
- *REACH and RoHS Certified, Biocompatibility reports available.*

## Application Note

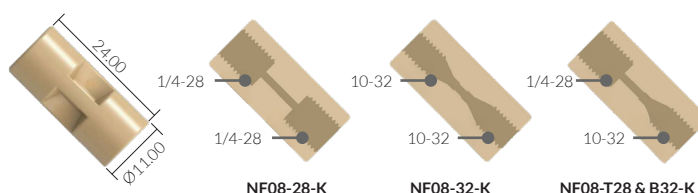


- 8mm 1/4-28UNF female thread
- 6.5mm 10-32UNF female thread
- No dead volume docking can be achieved when the diameter of the flow path is the same as the inner diameter of the tube



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

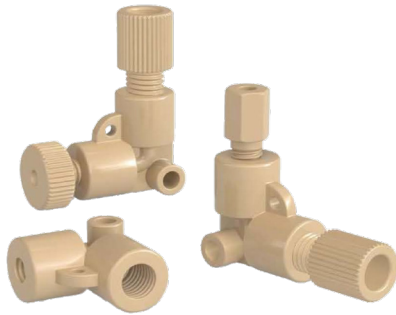
## Related Products



|   | Thread     |
|---|------------|
| PEEK flanged fittings-two pieces          | 1/4-28 UNF |
| PEEK flanged fittings-two pieces          | 1/4-28 UNF |
| PEEK flanged fittings-three pieces        | 1/4-28 UNF |
| PEEK one-piece hand tightening fittings   | 10-32 UNF  |
| PEEK hand tightening fittings- two pieces | 10-32 UNF  |
| PEEK capillary tube                       |            |
| FEP tube                                  |            |
| PTFE tube                                 |            |

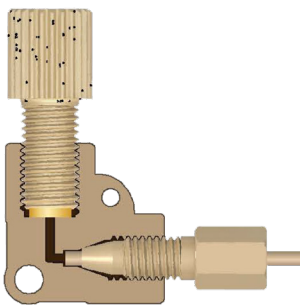
| Part No.                   | Model No.              | Thread               | Flow Passage Diameter | Wetted liquid volume  | Pull-off Strength | Rapture Pressure | Pressure Rating | Material     |
|----------------------------|------------------------|----------------------|-----------------------|-----------------------|-------------------|------------------|-----------------|--------------|
| <b>NFOB-28-K</b>           |                        |                      |                       |                       |                   |                  |                 |              |
| 1011110001                 | NFOS-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 |
| 1011110002                 | NFOS-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 |
| 1011110003                 | 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>NFOS-32-K</b>           |                        |                      |                       |                       |                   |                  |                 |              |
| 1011110004                 | NF08-32-K(0.8)         | 10-32 UNF            | 0.8 mm                | 0.94 mm <sup>3</sup>  | 5.49 kgf          | 12.11 Mpa        | 8.50 Mpa        | PEEK natural |
| 1011110005                 | NF08-32-K(1.25)        | 10-32 UNF            | 1.25 mm               | 230 mm <sup>3</sup>   | 5.29 kgf          | 11.47 Mpa        | 8.00 Mpa        | PEEK natural |
| <b>NFOS-T28 &amp; 32-K</b> |                        |                      |                       |                       |                   |                  |                 |              |
| 1011100001                 | NF08-T28 & 832-K(0.8)  | 4-28 UNF & 10-32 UNF | 0.8 mm                | 250 mm <sup>3</sup>   | 1.86 kgf          | 5.67 Mpa         | 3.66 Mpa        | PEEK natural |
| 1011100002                 | NF08-T28 & 832-K(1.25) | 4-28 UNF & 10-32 UNF | 1.25 mm               | 6.10 mm <sup>3</sup>  | 1.79 kgf          | 5.54 Mpa         | 3.90 Mpa        | PEEK natural |

# 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 -60°C~+250°C
- Suitable for standard 10-32UNF conical fittings or 1/4-28 UNF flat bottom threaded fittings
- *REACH and RoHS Certified, Biocompatibility reports available.*

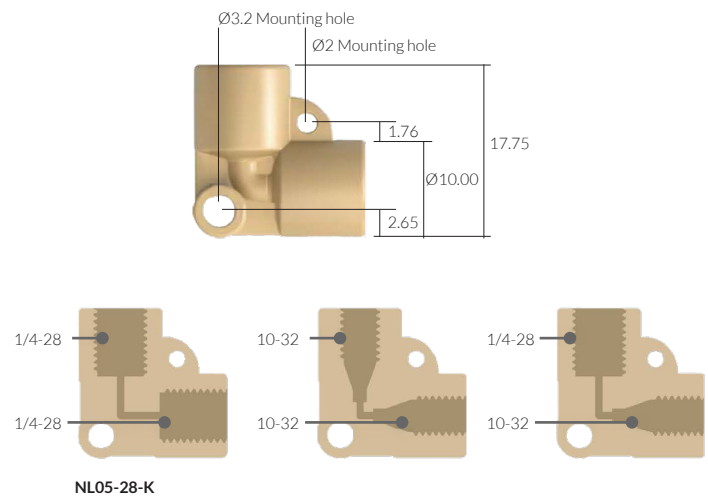
## Application Note



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

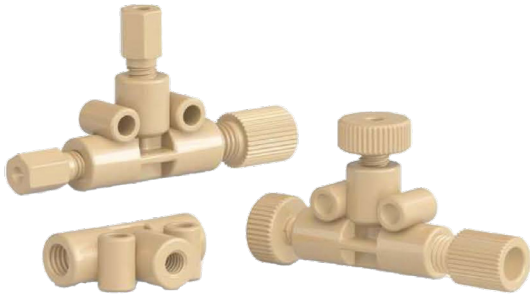
|   | Thread     |
|---|------------|
| PEEK flanged fittings-two pieces          | 1/4-28 UNF |
| PEEK flanged fittings-two pieces          | 1/4-28 UNF |
| PEEK flanged fittings-three pieces        | 1/4-28 UNF |
| PEEK one-piece hand tightening fittings   | 10-32 UNF  |
| PEEK hand tightening fittings- two pieces | 10-32 UNF  |
| PEEK capillary tube                       |            |
| FEP tube                                  |            |
| PTFE tube                                 |            |

## Related Products



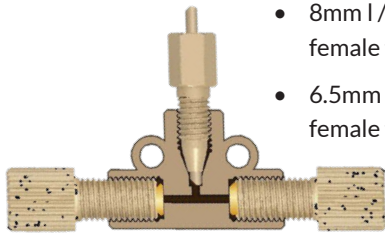
| Part No.                   | Model No.              | Thread               | Flow Passage Diameter | Wetted liquid volume  | Pull-off Strength | Rapture Pressure | Pressure Rating | Material     |
|----------------------------|------------------------|----------------------|-----------------------|-----------------------|-------------------|------------------|-----------------|--------------|
| <b>NFOB-28-K</b>           |                        |                      |                       |                       |                   |                  |                 |              |
| 1011110001                 | NFOS-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 |
| 1011110002                 | NFOS-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 |
| 1011110003                 | 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>NFOS-32-K</b>           |                        |                      |                       |                       |                   |                  |                 |              |
| 1011110004                 | NF08-32-K(0.8)         | 10-32 UNF            | 0.8 mm                | 0.94 mm <sup>3</sup>  | 5.49 kgf          | 12.11 Mpa        | 8.50 Mpa        | PEEK natural |
| 1011110005                 | NFOB-32-K(1.25)        | 10-32 UNF            | 1.25 mm               | 230 mm <sup>3</sup>   | 5.29 kgf          | 11.47 Mpa        | 8.00 Mpa        | PEEK natural |
| <b>NFOS-T28 &amp; 32-K</b> |                        |                      |                       |                       |                   |                  |                 |              |
| 1011100001                 | NF08-T28 & 832-K(0.8)  | 4-28 UNF & 10-32 UNF | 0.8 mm                | 250 mm <sup>3</sup>   | 1.86 kgf          | 5.67 Mpa         | 3.66 Mpa        | PEEK natural |
| 1011100002                 | NF08-T28 & 832-K(1.25) | 4-28 UNF & 10-32 UNF | 1.25 mm               | 6.10 mm <sup>3</sup>  | 1.79 kgf          | 5.54 Mpa         | 3.90 Mpa        | PEEK natural |

# 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 -60°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.*

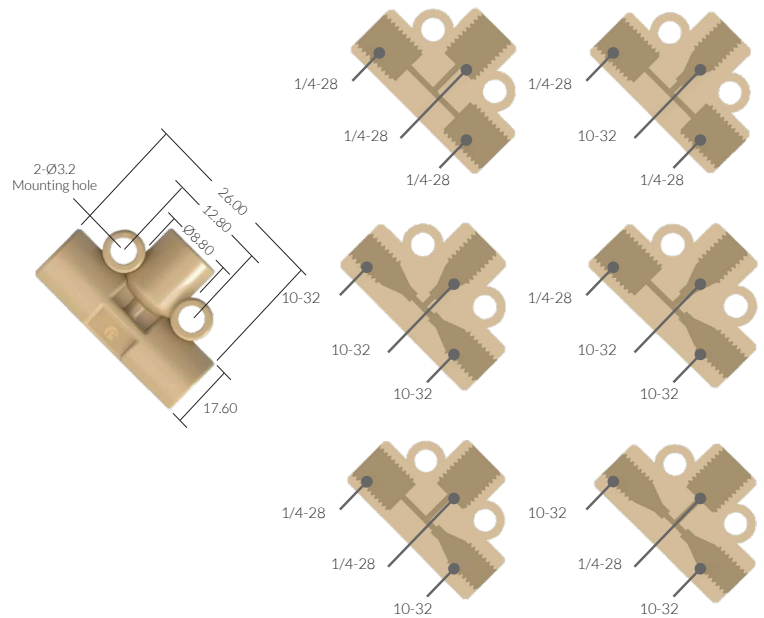
## Application Note



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

|   | Thread     |
|---|------------|
| PEEK flanged fittings-two pieces          | 1/4-28 UNF |
| PEEK flanged fittings-two pieces          | 1/4-28 UNF |
| PEEK flanged fittings-three pieces        | 1/4-28 UNF |
| PEEK one-piece hand tightening fittings   | 10-32 UNF  |
| PEEK hand tightening fittings- two pieces | 10-32 UNF  |
| PEEK capillary tube                       |            |
| FEP tube                                  |            |
| PTFE tube                                 |            |

## Related Products



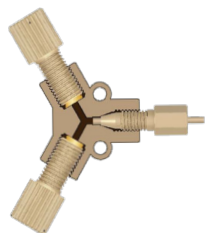
| Part No.                          | Model No.                | Thread                    | Flow Passage Diameter | Wetted Liquid Volume | Material     |
|-----------------------------------|--------------------------|---------------------------|-----------------------|----------------------|--------------|
| <b>NT03-28-K</b>                  |                          |                           |                       |                      |              |
| 1011120001                        | NT03-28-K(0.8)           | 1/4-28UNF("3)             | 0.8mm                 | 7.47 mm <sup>3</sup> | PEEK natural |
| 1011120002                        | NT03-28-K(L25)           | 1/4-28UNF(" 3)            | 1.25mm                | 18.29mm <sup>3</sup> | PEEK natural |
| 1011120003                        | NT03-28-K{2.0)           | 1/4-28UNF(" 3)            | 2.0mm                 | 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  | 0.8mm                 | 5.94 mm <sup>3</sup> | PEEK natural |
| 1011120005                        | NT03-T32&L28&R28-K(1.25) | 1/4-28UNF(*2) & 10-32UNF  | 1.25mm                | 14.48mm <sup>3</sup> | PEEK natural |
| <b>NT03-32-K</b>                  |                          |                           |                       |                      |              |
| 1011120006                        | NT03-32-K(0.8)           | 10-32UNF("3)              | 0.8mm                 | 2.87 mm <sup>3</sup> | PEEK natural |
| 1011120007                        | NT03-32-K(L.25)          | 10-32UNF(" 3)             | 1.25mm                | 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) | 0.8mm                 | 4.40 mm <sup>3</sup> | PEEK natural |
| 1011120009                        | NT03-T32&L28&R32-K(1.25) | 1/4-28UNF & 10-32UNF(.2)  | 1.25mm                | 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  | 0.8mm                 | 5.94 mm <sup>3</sup> | PEEK natural |
| 1011120011                        | NT03-T28&L28&R32-K(1.25) | 1/4-28UNF("2) & 10-32UNF  | 1.25mm                | 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)  | 0.8mm                 | 4.40 mm <sup>3</sup> | PEEK natural |
| 1011120013                        | NT03-T28&L32&R32-K(L.25) | 1/4-28UNF & 10-32UNF(" 2) | 1.25mm                | 10.68mm <sup>3</sup> | PEEK natural |

# 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 -60°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.*

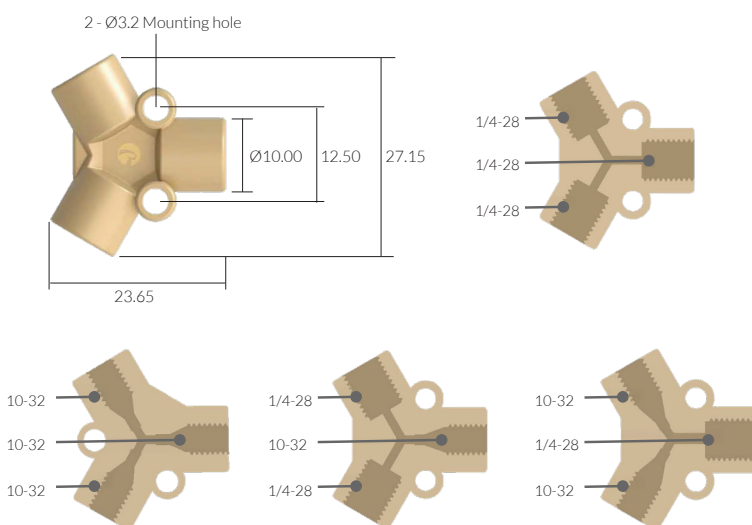
## Application Note



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

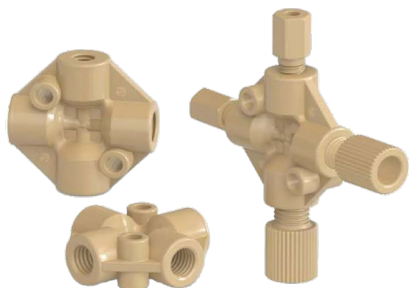
|   | Thread     |
|---|------------|
| PEEK flanged fittings-two pieces          | 1/4-28 UNF |
| PEEK flanged fittings-two pieces          | 1/4-28 UNF |
| PEEK flanged fittings-three pieces        | 1/4-28 UNF |
| PEEK one-piece hand tightening fittings   | 10-32 UNF  |
| PEEK hand tightening fittings- two pieces | 10-32 UNF  |
| PEEK capillary tube                       |            |
| FEP tube                                  |            |
| PTFE tube                                 |            |

## Related Products



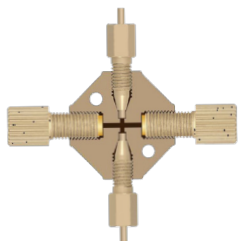
| Part No.                          | Model No.                | Thread                    | Flow Passage Diameter | Wetted Liquid Volume | Material     |
|-----------------------------------|--------------------------|---------------------------|-----------------------|----------------------|--------------|
| <b>NY03-28-K</b>                  |                          |                           |                       |                      |              |
| 1011080001                        | NY03-28-K(0.8)           | 1/4-28UNF(*3)             | 0.8mm                 | 7.39 mm <sup>3</sup> | PEEK natural |
| 1011080002                        | NY03-28-K(1.25)          | 1/4-28UNF(*3)             | 1.25mm                | 18.13mm <sup>3</sup> | PEEK natural |
| 1011080003                        | NY03-28-K(2.0)           | 1/4-28UNF(*3)             |                       |                      | PEEK natural |
| <b>NY03-32-K</b>                  |                          |                           |                       |                      |              |
| 1011080004                        | NY03-28-K(0.8)           | 10-32UNF(*3)              | 0.8mm                 | 2.78 mm <sup>3</sup> | PEEK natural |
| 1011080005                        | NY03-32-K(1.25)          | 10-32UNF(*3)              | 1.25mm                | 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)  | 1/4-28UNFn(*2) & 10-32UNF | 0.8mm                 | 5.85 mm <sup>3</sup> | PEEK natural |
| 1011080007                        | NY03-L28&R28&B32-K(1.25) | 1/4-28UNF(*2) & 10-32UNF  | 1.25mm                | 14.31mm <sup>3</sup> | PEEK natural |
| <b>NY03-I32&amp;R32&amp;B28-K</b> |                          |                           |                       |                      |              |
| 1011080008                        | NY03-L32&R32&B28-K(0.8)  | 1/4-28UNF & 10-32UNF(*2)  | 0.8mm                 | 4.32 mm <sup>3</sup> | PEEK natural |
| 1011080009                        | NY03-L32&R32&B28-K(1.25) | 1/4-28UNF & 10-32UNF(*2)  | 1.25mm                | 10.5 mm <sup>3</sup> | PEEK natural |

# 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 -60°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.*

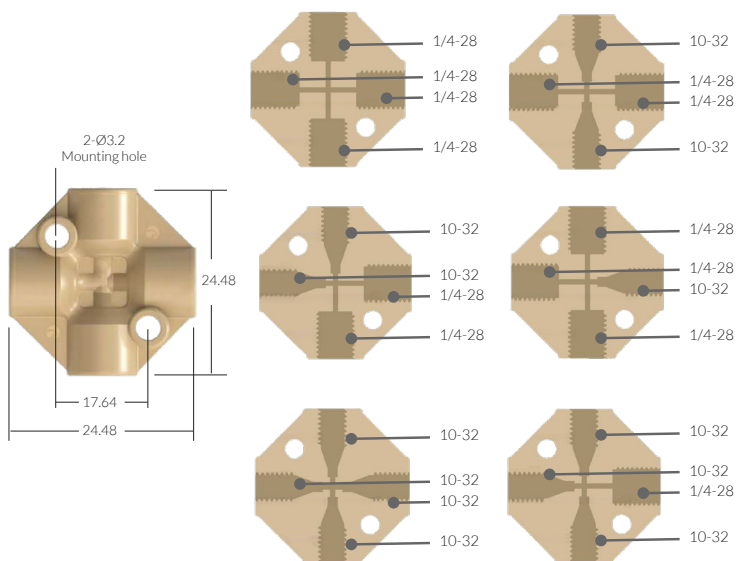
## Application Note



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

|   | Thread     |
|---|------------|
| PEEK flanged fittings-two pieces          | 1/4-28 UNF |
| PEEK flanged fittings-two pieces          | 1/4-28 UNF |
| PEEK flanged fittings-three pieces        | 1/4-28 UNF |
| PEEK one-piece hand tightening fittings   | 10-32 UNF  |
| PEEK hand tightening fittings- two pieces | 10-32 UNF  |
| PEEK capillary tube                       |            |
| FEP tube                                  |            |
| PTFE tube                                 |            |

## Related Products



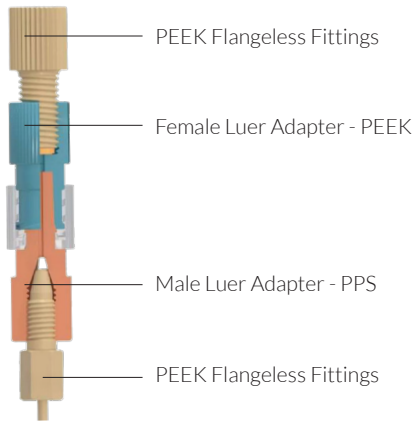
| Part No.                                   | Model No.                    | Thread                       | Flow Passage Diameter | Wetted Liquid Volume  | Material     |
|--|------------------------------|------------------------------|-----------------------|-----------------------|--------------|
| <b>NS04-28-K</b>                           |                              |                              |                       |                       |              |
| 11011090001                                | NS04-28-K(0.8)               | 1/4-28UNF(*4)                | 0.8 mm                | 9.21 mm <sup>3</sup>  | PEEK natural |
| 1011120002                                 | NS04-28-K(L25)               | 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(L25)               | 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(L25)          | 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(L25)          | 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(L25)  | 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(L25) | 1/4-28UNF & 10-32UNF(*3)     | 1.25 mm               | 10.75 mm <sup>3</sup> | PEEK natural |

# PEEK Female Thread Luer Adapter



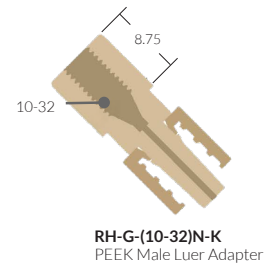
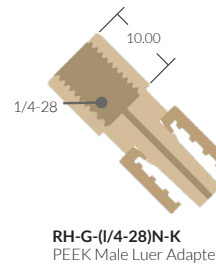
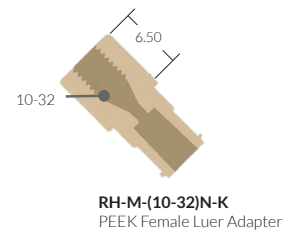
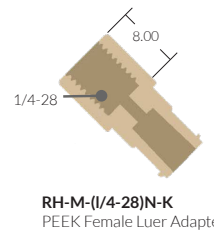
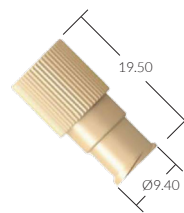
- Designed to adapt luer adapters to 10-32 UNF or 1/4-28 UNF threaded ports
- Long-term working temperature range -60' C~+250'C
- Suitable for standard 1G-32UNF conical fittings or 1/4-28UNF flat bottom threaded fittings
- *REACH and RoHS Certified, Biocompatibility reports available.*

## Application Note



|   | Thread     |
|---|------------|
| PEEK flanged fittings-two pieces          | 1/4-28 UNF |
| PEEK flanged fittings-two pieces          | 1/4-28 UNF |
| PEEK flanged fittings-three pieces        | 1/4-28 UNF |
| PEEK one-piece hand tightening fittings   | 10-32 UNF  |
| PEEK hand tightening fittings- two pieces | 10-32 UNF  |
| PEEK capillary tube                       |            |
| FEP tube                                  |            |
| PTFE tube                                 |            |

## Related Products



| Part No.    | 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 | 1.2 mm                | 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  | 1.2 mm                | 3.50 Mpa        | PEEK natural+PP natural |

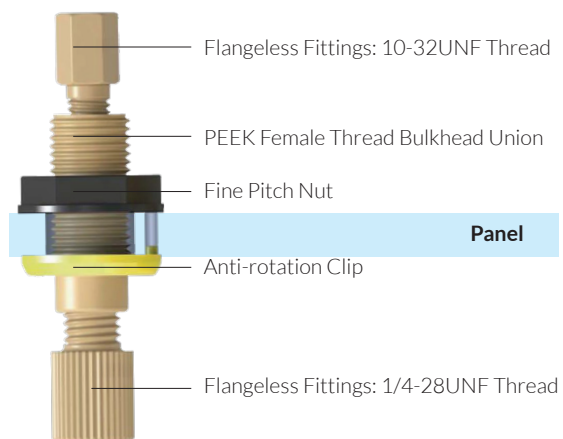
Note: If you need specific model other than above specification, please contact us for customization.

# PEEK Female Thread Bulkhead Union



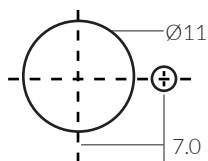
- Designed to pass through the equipment housing and connect the internal tubing to the outside
- Through-panel union with male thread M10•1, with PPS nut and PP anti-rotation clip to tighten the fittings, installation requires advance drilling of the panel; multi-color anti-rotation clip is for easy distinguishments of the flow path
- Long-term working temperature range-60"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
- Panel thickness~12.5mm

### Mounting Hole Size

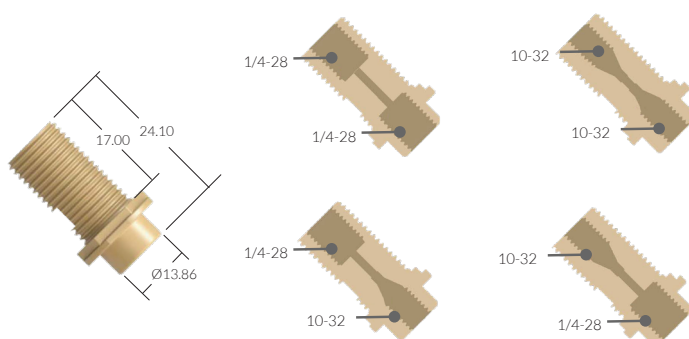


### Mounting Hole Size

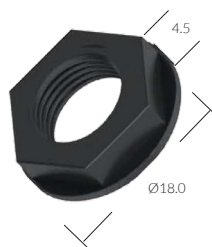


## Related Products

### PEEK Female Thread Bulkhead Union(mm)



### Fine Pitch Nut (mm)



M10\*1-S

### Anti-rotation clip (mm)



C12-P

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

| Part No.   | Model No.                                  | Thread               | Flow Passage Diameter | Wetted Liquid Volumn | Material                             |
|------------|--|----------------------|-----------------------|----------------------|--------------------------------------|
| NC-28-K    |  |                      |                       |                      |                                      |
| 1011070010 | NC-28-K(0.8) *MIO*I-S * C12-P red          | 1/4-28UNF flatbottom | 0.8 mm                | 4.02 mm <sup>3</sup> | PEEKnatural*PPSblack'PP red          |
| 1011070011 | NC-28-K(0.8) *MIO*I-S * C12-P deep dark    | 1/4-28UNF flatbottom | 0.8 mm                | 4.02 mm <sup>3</sup> | PEEKnatural*PPSblack'PP deep dark    |
| 1011070012 | NC-28-K(0.8) *MIO*I-S * C12-P lemon yellow | 1/4-28UNF flatbottom | 0.8 mm                | 4.02 mm <sup>3</sup> | PEEKnatural*PPSblack'PP lemon yellow |
| 1011070013 | NC-28-K(0.8) *MIO*I-S * C12-P grass green  | 1/4-28UNF flatbottom | 0.8 mm                | 4.02 mm <sup>3</sup> | PEEKnatural*PPSblack'PP grass green  |
| 1011070014 | NC-28-K(0.8) *MIO*I-S * C12-P beige blue   | 1/4-28UNF flatbottom | 0.8 mm                | 4.02 mm <sup>3</sup> | PEEKnatural*PPSblack'PP beige blue   |
| 1011070015 | NC-28-K(0.8) *MIO*I-S * C12-P dark blue    | 1/4-28UNF flatbottom | 0.8 mm                | 4.02 mm <sup>3</sup> | PEEKnatural*PPSblack'PP dark blue    |
| 1011070016 | NC-28-K(0.8) *MIO*I-S * C12-P deep purple  | 1/4-28UNF flatbottom | 0.8 mm                | 4.02 mm <sup>3</sup> | PEEKnatural*PPSblack'PP deep purple  |

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

| Part No.                | Model No.                                       | Thread                             | Flow Passage Diameter | Wetted Liquid Volume  | Material                             |
|-------------------------|---|------------------------------------|-----------------------|-----------------------|--------------------------------------|
| <b>NC-28-K</b>          |   |                                    |                       |                       |                                      |
| 1011070017              | NC-28-K(I.25) 'MIO'I-S 'CI2-P red               | 1/4-28UNF flat Bottom              | 1.25 mm               | 9.98 mm <sup>3</sup>  | PEEKnatural*PPSblack*PP red          |
| 1011070018              | NC-28-K(I.25) 'MIO'1-S 'C12-P deep dark         | 1/4-28UNF flat Bottom              | 1.25 mm               | 9.98 mm <sup>3</sup>  | PEEKnatural*PPSblack*PP deep dark    |
| 1011070019              | NC-28-K(I.25) 'MIO'1-S 'C12-P lemon yellow      | 1/4-28UNF flat Bottom              | 1.25 mm               | 9.98 mm <sup>3</sup>  | PEEKnatural*PPSblack*PP lemon yellow |
| 1011070020              | NC-28-K(I.25) 'MIO'I-5 'CI2-P grass green       | 1/4-28UNF flat Bottom              | 1.25 mm               | 9.98 mm <sup>3</sup>  | PEEKnatural*PPSblack*PP grass green  |
| 1011070021              | NC-28-K(I.25) 'MIO'1-S 'CI2-P beige blue        | 1/4-28UNF flat Bottom              | 1.25 mm               | 9.98 mm <sup>3</sup>  | PEEKnatural*PPSblack*PP beige blue   |
| 1011070022              | NC-28-K(I.25) 'MIO'1-S 'C12-P dark blue         | 1/4-28UNF flat Bottom              | 1.25 mm               | 9.98 mm <sup>3</sup>  | PEEKnatural*PPSblack*PP dark blue    |
| 1011070023              | NC-28-K(I.25) 'MIO'1-S 'C12-P deep purple       | 1/4-28UNF flat Bottom              | 1.25 mm               | 9.98 mm <sup>3</sup>  | PEEKnatural*PPSblack*PP deep purple  |
| 1011070024              | NC-28-K(2.0) *MIO'I-S * 12-P red                | 1/4-28UNF flat Bottom              | 2.0 mm                | 25.13 mm <sup>3</sup> | PEEKnatural*PPSblack*PP red          |
| 1011070025              | NC-28-K(2.0) *MIO'I-S * 12-P deep dark          | 1/4-28UNF flat Bottom              | 2.0 mm                | 25.13 mm <sup>3</sup> | PEEKnatural*PPSblack*PP deep dark    |
| 1011070026              | NC-28-K(2.0) *MIO'I-S * 12-P lemon yellow       | 1/4-28UNF flat Bottom              | 2.0 mm                | 25.13 mm <sup>3</sup> | PEEKnatural*PPSblack*PP lemon yellow |
| 1011070027              | NC-28-K(I.O) *MIO'1-S *12-P grass green         | 1/4-28UNF flat Bottom              | 2.0 mm                | 25.13 mm <sup>3</sup> | PEEKnatural*PPSblack*PP grass green  |
| 1011070028              | NC-28-K(I.O) *MIO'1-S *12-P beige blue          | 1/4-28UNF flat Bottom              | 2.0 mm                | 25.13 mm <sup>3</sup> | PEEKnatural*PPSblack*PP beige blue   |
| 1011070029              | NC-28-K(I.O) *MIO'1-S *12-P dark blue           | 1/4-28UNF flat Bottom              | 2.0 mm                | 25.13 mm <sup>3</sup> | PEEKnatural*PPSblack*PP dark blue    |
| 1011070030              | NC-28-K(2.0) *MIO'I-S * 12-P deep purple        | 1/4-28UNF flat Bottom              | 2.0 mm                | 25.13 mm <sup>3</sup> | PEEKnatural*PPSblack*PP deep purple  |
| <b>NC-32-K</b>          |   |                                    |                       |                       |                                      |
| 1011070031              | NC-32-K(0.8) *MIO'I-5 *C12-P red                | 10-32 UNF Conical                  | 0.8 mm                | 0.94 mm <sup>3</sup>  | PEEKnatural*PPSblack*PP red          |
| 1011070032              | NC-32-K(0.8) *MIO'I-5 *C12-P deep dark          | 10-32 UNF Conical                  | 0.8 mm                | 0.94 mm <sup>3</sup>  | PEEKnatural*PPSblack*PP deep dark    |
| 1011070033              | NC-32-K(0.8) *MIO'I-5 *C12-P lemon yellow       | 10-32 UNF Conical                  | 0.8 mm                | 0.94 mm <sup>3</sup>  | PEEKnatural*PPSblack*PP lemon yellow |
| 1011070034              | NC-32-K(0.8) *MIO'I-5 *C12-P grass green        | 10-32 UNF Conical                  | 0.8 mm                | 0.94 mm <sup>3</sup>  | PEEKnatural*PPSblack*PP grass green  |
| 1011070035              | NC-32-K(0.8) *MIO'I-5 *C12-P beige blue         | 10-32 UNF Conical                  | 0.8 mm                | 0.94 mm <sup>3</sup>  | PEEKnatural*PPSblack*PP beige blue   |
| 1011070036              | NC-32-K(0.8) *MIO'I-5 *C12-P dark blue          | 10-32 UNF Conical                  | 0.8 mm                | 0.94 mm <sup>3</sup>  | PEEKnatural*PPSblack*PP dark blue    |
| 1011070037              | NC-32-K(0.8) *MIO'I-5 *C12-P deep purple        | 10-32 UNF Conical                  | 0.8 mm                | 0.94 mm <sup>3</sup>  | PEEKnatural*PPSblack*PP deep purple  |
| 1011070038              | NC-32-K(1.25) *MIO'I-5 *C12-P red               | 10-32 UNF Conical                  | 1.25 mm               | 2.33 mm <sup>3</sup>  | PEEKnatural*PPSblack*PP red          |
| 1011070039              | NC-32-K(1.25) *MIO'I-5 *C12-P deep dark         | 10-32 UNF Conical                  | 1.25 mm               | 2.33 mm <sup>3</sup>  | PEEKnatural*PPSblack*PP deep dark    |
| 1011070040              | NC-32-K(1.25) *MIO'I-5 *C12-P lemon yellow      | 10-32 UNF Conical                  | 1.25 mm               | 2.33 mm <sup>3</sup>  | PEEKnatural*PPSblack*PP lemon yellow |
| 1011070041              | NC-32-K(1.25) *MIO'I-5 *C12-P grass green       | 10-32 UNF Conical                  | 1.25 mm               | 2.33 mm <sup>3</sup>  | PEEKnatural*PPSblack*PP grass green  |
| 1011070042              | NC-32-K(1.25) *MIO'I-5 *C12-P beige blue        | 10-32 UNF Conical                  | 1.25 mm               | 2.33 mm <sup>3</sup>  | PEEKnatural*PPSblack*PP beige blue   |
| 1011070043              | NC-32-K(1.25) *MIO'I-5 *C12-P dark blue         | 10-32 UNF Conical                  | 1.25 mm               | 2.33 mm <sup>3</sup>  | PEEKnatural*PPSblack*PP dark blue    |
| 1011070044              | NC-32-K(1.25) *MIO'I-5 *C12-P deep purple       | 10-32 UNF Conical                  | 1.25 mm               | 2.33 mm <sup>3</sup>  | PEEKnatural*PPSblack*PP deep purple  |
| <b>NC-T28&amp;B32-K</b> |   |                                    |                       |                       |                                      |
| 1011070045              | NC-T28&B32-K(0.8) *MIO'I-S *CII-P red           | 1/4-28UNFlatbottom&IQ-32UNFconical | 0.8 mm                | 2.48 mm <sup>3</sup>  | PEEKnatural*PPSblack*PP red          |
| 1011070046              | NC-T28&B32-K(0.8) *MIO'I-S *CII-P deep dark     | 1/4-28UNFlatbottom&IQ-32UNFconical | 0.8 mm                | 2.48 mm <sup>3</sup>  | PEEKnatural*PPSblack*PP deep dark    |
| 1011070047              | NC-T28&B32-K(0.8) *MIO'I-S *CII-P lemon yellow  | 1/4-28UNFlatbottom&IQ-32UNFconical | 0.8 mm                | 2.48 mm <sup>3</sup>  | PEEKnatural*PPSblack*PP lemon yellow |
| 1011070048              | NC-T28&B32-K(0.8) *MIO'I-S *CII-P grass green   | 1/4-28UNFlatbottom&IQ-32UNFconical | 0.8 mm                | 2.48 mm <sup>3</sup>  | PEEKnatural*PPSblack*PP grass green  |
| 1011070049              | NC-T28&B32-K(0.8) *MIO'I-S *CII-P beige blue    | 1/4-28UNFlatbottom&IQ-32UNFconical | 0.8 mm                | 2.48 mm <sup>3</sup>  | PEEKnatural*PPSblack*PP beige blue   |
| 1011070050              | NC-T28&B32-K(0.8) *MIO'I-S *CII-P dark blue     | 1/4-28UNFlatbottom&IQ-32UNFconical | 0.8 mm                | 2.48 mm <sup>3</sup>  | PEEKnatural*PPSblack*PP dark blue    |
| 1011070051              | NC-T28&B32-K(0.8) *MIO'I-S *CII-P deep purple   | 1/4-28UNFlatbottom&IQ-32UNFconical | 0.8 mm                | 2.48 mm <sup>3</sup>  | PEEKnatural*PPSblack*PP deep purple  |
| 1011070052              | NC-T28&B32-K(1.25) *MIO'I-S *CII-P red          | 1/4-28UNFlatbottom&IQ-32UNFconical | 1.25 mm               | 6.16 mm <sup>3</sup>  | PEEKnatural*PPSblack*PP red          |
| 1011070053              | NC-T28&B32-K(1.25) *MIO'I-S *CII-P deep dark    | 1/4-28UNFlatbottom&IQ-32UNFconical | 1.25 mm               | 6.16 mm <sup>3</sup>  | PEEKnatural*PPSblack*PP deep dark    |
| 1011070054              | NC-T28&B32-K(1.25) *MIO'I-S *CII-P lemon yellow | 1/4-28UNFlatbottom&IQ-32UNFconical | 1.25 mm               | 6.16 mm <sup>3</sup>  | PEEKnatural*PPSblack*PP lemon yellow |
| 1011070055              | NC-T28&B32-K(1.25) *MIO'I-S *CII-P grass green  | 1/4-28UNFlatbottom&IQ-32UNFconical | 1.25 mm               | 6.16 mm <sup>3</sup>  | PEEKnatural*PPSblack*PP grass green  |
| 1011070056              | NC-T28&B32-K(1.25) *MIO'I-S *CII-P beige blue   | 1/4-28UNFlatbottom&IQ-32UNFconical | 1.25 mm               | 6.16 mm <sup>3</sup>  | PEEKnatural*PPSblack*PP beige blue   |
| 1011070057              | NC-T28&B32-K(1.25) *MIO'I-S *CII-P dark blue    | 1/4-28UNFlatbottom&IQ-32UNFconical | 1.25 mm               | 6.16 mm <sup>3</sup>  | PEEKnatural*PPSblack*PP dark blue    |
| 1011070058              | NC-T28&B32-K(1.25) *MIO'I-S *CII-P deep purple  | 1/4-28UNFlatbottom&IQ-32UNFconical | 1.25 mm               | 6.16 mm <sup>3</sup>  | PEEKnatural*PPSblack*PP deep purple  |

| NC-T28&B32-K |   |                                     |         |                      |                                      |
|--------------|---|-------------------------------------|---------|----------------------|--------------------------------------|
| 1011070059   | NC-T32&B28-K(0.8)*MIO*I-S*CII-P red           | 10-32UNFoonical&l/4-28UNFflatbottom | 0.8 mm  | 2.48 mm <sup>3</sup> | PEEKnatural*PPSblack*PP red          |
| 1011070060   | NC-T32&B28-K(0.8)*MIO*I-S*CII-P deep dark     | 10-32UNFoonical&l/4-28UNFflatbottom | 0.8 mm  | 2.48 mm <sup>3</sup> | PEEKnatural*PPSblack*PP deep dark    |
| 1011070061   | NC-T32&B28-K(0.8)*MIO*I-S*CII-P lemon yellow  | 10-32UNFoonical&l/4-28UNFflatbottom | 0.8 mm  | 2.48 mm <sup>3</sup> | PEEKnatural*PPSblack*PP lemon yellow |
| 1011070062   | NC-T32&B28-K(0.8)*MIO*I-S*CII-P grass green   | 10-32UNFoonical&l/4-28UNFflatbottom | 0.8 mm  | 2.48 mm <sup>3</sup> | PEEKnatural*PPSblack*PP grass gree   |
| 1011070063   | NC-T32&B28-K(0.8)*MIO*I-S*CII-P beige blue    | 10-32UNFoonical&l/4-28UNFflatbottom | 0.8 mm  | 2.48 mm <sup>3</sup> | PEEKnatural*PPSblack*PP beige blue   |
| 1011070064   | NC-T32&B28-K(0.8)*MIO*I-S*CII-P dark blue     | 10-32UNFoonical&l/4-28UNFflatbottom | 0.8 mm  | 2.48 mm <sup>3</sup> | PEEKnatural*PPSblack*PP dark blue    |
| 1011070065   | NC-T32&B28-K(0.8)*MIO*I-S*CII-P deep purple   | 10-32UNFoonical&l/4-28UNFflatbottom | 0.8 mm  | 2.48 mm <sup>3</sup> | PEEKnatural*PPSblack*PP deep purple  |
| 1011070066   | NC-T32&B28-K(1.25)*MIO*I-S*CII-P red          | 10-32UNFoonical&l/4-28UNFflatbottom | 1.25 mm | 6.16 mm <sup>3</sup> | PEEKnatural*PPSblack*PP red          |
| 1011070067   | NC-T32&B28-K(1.25)*MIO*I-S*CII-P deep dark    | 10-32UNFoonical&l/4-28UNFflatbottom | 1.25 mm | 6.16 mm <sup>3</sup> | PEEKnatural*PPSblack*PP deep dark    |
| 1011070068   | NC-T32&B28-K(1.25)*MIO*I-S*CII-P lemon yellow | 10-32UNFoonical&l/4-28UNFflatbottom | 1.25 mm | 6.16 mm <sup>3</sup> | PEEKnatural*PPSblack*PP lemon yellow |
| 1011070069   | NC-T32&B28-K(1.25)*MIO*I-S*CII-P grass green  | 10-32UNFoonical&l/4-28UNFflatbottom | 1.25 mm | 6.16 mm <sup>3</sup> | PEEKnatural*PPSblack*PP grass gree   |
| 1011070070   | NC-T32&B28-KK(1.25)*MIO*I-S*CII-P beige blue  | 10-32UNFoonical&l/4-28UNFflatbottom | 1.25 mm | 6.16 mm <sup>3</sup> | PEEKnatural*PPSblack*PP beige blue   |
| 1011070071   | NC-T32&B28-K(1.25)*MIO*I-S*CII-P dark blue    | 10-32UNFoonical&l/4-28UNFflatbottom | 1.25 mm | 6.16 mm <sup>3</sup> | PEEKnatural*PPSblack*PP dark blue    |
| 1011070072   | NC-T32&B28-K(1.25)*MIO*I-S*CII-P deep purple  | 10-32UNFoonical&l/4-28UNFflatbottom | 1.25 mm | 6.16 mm <sup>3</sup> | PEEKnatural*PPSblack*PP deep purple  |

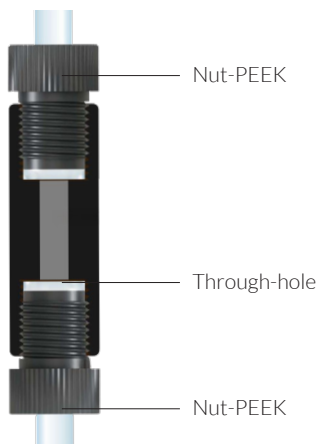
Note: If you need specific model other than above specification, please contact us for customization.

## PEEK Female Thread Fitting

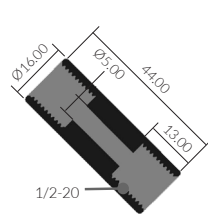


- Design for bypassing or multiple fluids converge; Great choice for pretubing
- Effective elimination of loose fittings in the tube caused by twisting, can be tighten even when vibrating.
- Long-term working temperature range -60°C +250°C
- Suitable for standard 1/2-20UNF flat bottom threaded fittings
- *REACH and RoHS Certified, Biocompatibility reports available.*

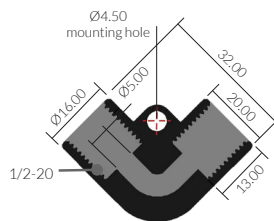
### Application Note



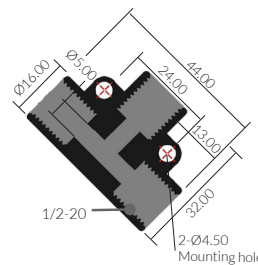
### Related Products



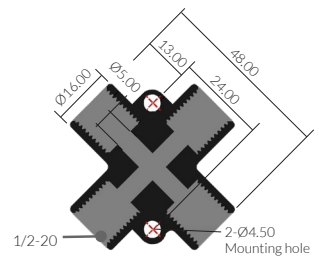
**NF08-20-K(5.0)**  
PEEK Female Thread  
Straight Adapter



**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

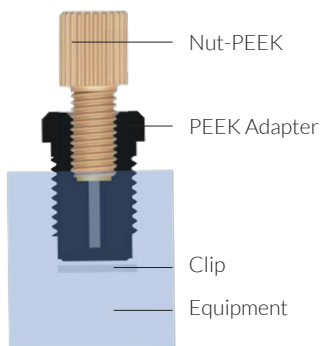
| Part No.                   | Model No.      | PEEK Female Thread Fitting          | Thread     | Flow Passage Diameter | Material   |
|----------------------------|----------------|-------------------------------------|------------|-----------------------|------------|
| PEEK Female Thread Fitting |                |                                     |            |                       |            |
| 1011110006                 | NF08-20-K(5.0) | PEEK Female Thread Straight Adapter | 1/2-20 UNF | 5.0 mm                | PEEK black |
| 1011060008                 | NL05-20-K(5.0) | PEEK Female Thread Elbow Adapter    | 1/2-20 UNF | 5.0mm                 | PEEK black |
| 1011120014                 | NT03-20-K(5.0) | PEEK Female Thread T Adapter        | 1/4-28 UNF | 5.0 mm                | PEEK black |
| 1011090014                 | NS04-20-K(5.0) | PEEK Female Thread Cross Adapter    | 1/4-28 UNF | 5.0mm                 | PEEK black |

# PEEK Adapter

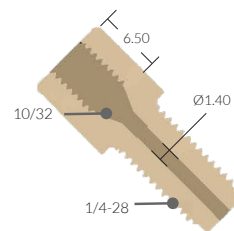
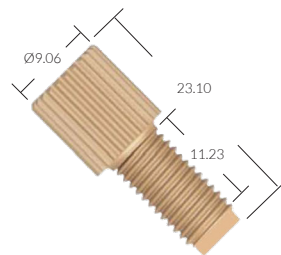
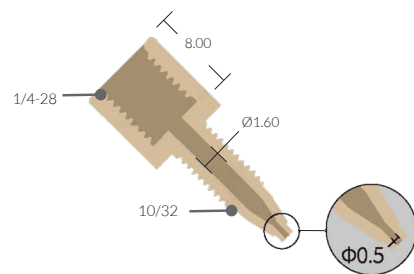
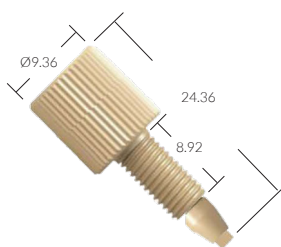
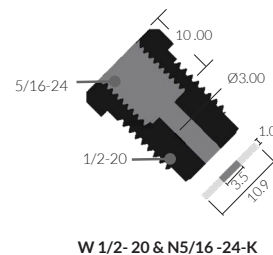
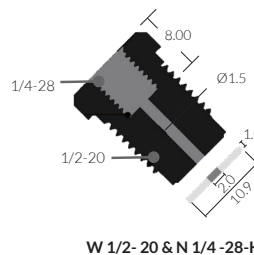
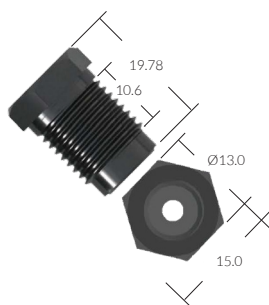


- Can be used with Can be used with 1/2-20 UNF male fittings or equipment
- Long-term working temperature range -60°C +250°C
- Suitable for standard 1/4-28 UNF flat bottom threaded fittings or 5/16-24 UNF flat bottom threaded fittings
- *REACH and RoHS Certified, Biocompatibility reports available.*

## Application Note



## Related Products



| Part No.     | Model No.                  | PEEK Female Thread Fitting | Thread     | Flow Passage Diameter | Material                |
|--------------|----------------------------|----------------------------|------------|-----------------------|-------------------------|
| PEEK Adapter |                            |                            |            |                       |                         |
| 1011160004   | WI0-32&NI/4-28-K(0.5)      | 1/4-28 UNF                 | 1/2-20 UNF | 5.0 mm                | PEEK Natural            |
| 1011160003   | WI/4-28&N10-32-K(1.6)      | 10-32 UNF                  | 1/2-20 UNF | 1.6mm                 | PEEK Natural            |
| 1011160005   | WI/2-20&NI/4-28-K(1.5)-KM  | 1/4-28 UNF                 | 1/4-28 UNF | 1.5 mm                | PEEK black + PTFE white |
| 1011160006   | WI/2-20&N5/16-24-K(3.0)-KM | 5/16-24 UNF                | 1/4-28 UNF | 3.0 mm                | PEEK black + PTFE white |

# 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 and RoHS Certified, Biocompatibility reports available.*

### 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
- **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.

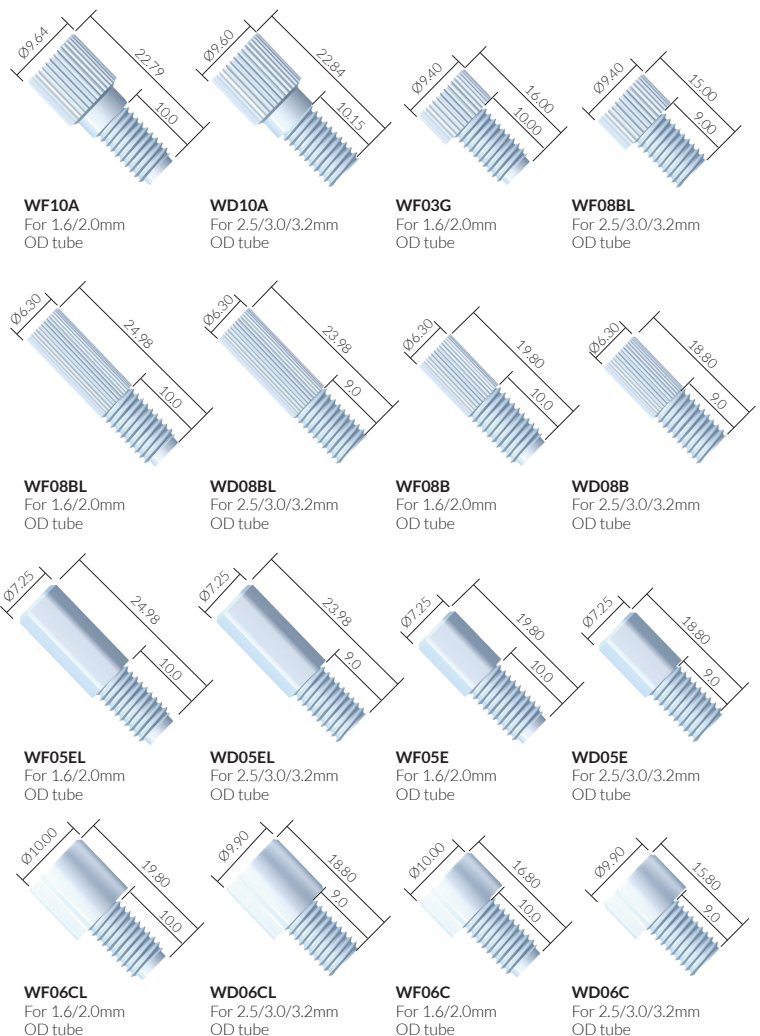
| Part No.   | Model (ID*OD)           | Thread          |
|------------|-------------------------|-----------------|
| 1005040001 | TFLG00001 (0.8*1.6)     | FEP Transparent |
| 1005040002 | TFLG00002 (1*2)         | FEP Transparent |
| 1005040003 | TFLG00003 (1.5*2.5)     | FEP Transparent |
| 1005040004 | 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.

| Part No.   | Model (ID*OD) | 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                                    |

### Related Products

#### Nut (mm)



#### Ferrule (mm)



| Part No.    | Model No.         | Thread    | Tube OD   | Torque | Pull-off Strength | Rapture Pressure | Pressure Rating | Material                 |
|-------------|-------------------|-----------|-----------|--------|-------------------|------------------|-----------------|--------------------------|
| WF10A/WD10A |                   |           |           |        |                   |                  |                 |                          |
| CC-100201   | WF10A-28P*YE-016P | 1/4-28UNF | 1.6mm OD  | 0.2N·M | 2.17kgf           | 7.09 Mpa         | 0.88            | PP natural*PP natural    |
| CC-100200   | WF10A-28P*YE-020P | 1/4-28UNF | 2.0mm OD  | 0.2N·M | 2.47kgf           | 6.77 Mpa         | 0.72            | PP natural*PP natural    |
| CC-100199   | WD10A-28P*YC-025P | 1/4-28UNF | 2.5mm OD  | 0.3N·M | 3.15kgf           | 5.71 Mpa         | 0.93            | PP natural*PP natural    |
| CC-100198   | WD10A-28P*YC-030P | 1/4-28UNF | 3.0mm OD  | 0.3N·M | 2.75kgf           | 4.76 Mpa         | 0.85            | PP natural*PP natural    |
| CC-100197   | WD10A-28P*YC-032P | 1/4-28UNF | 3.2mm OD  | 0.4N·M | 3.35kgf           | 4.98 Mpa         | 0.75            | PP natural*PP natural    |
| CC-100206   | WF10A-28E*YE-016A | 1/4-28UNF | 1.6mm OD  | 0.2N·M | 2.12kgf           | 9.69 Mpa         | 0.71            | PTFE natural*PFA natural |
| CC-100205   | WF10A-28E*YE-020A | 1/4-28UNF | 2.0mm OD  | 0.2N·M | 2.20kgf           | 9.86 Mpa         | 0.67            | PTFE natural*PFA natural |
| CC-100204   | WD10A-28E*YC-025A | 1/4-28UNF | 2.5mm OD  | 0.2N·M | 2.84kgf           | 6.71 Mpa         | 0.82            | PTFE natural*PFA natural |
| CC-100203   | WD10A-28E*YC-030A | 1/4-28UNF | 3.0mm OD  | 0.2N·M | 3.53kgf           | 4.84 Mpa         | 0.78            | PTFE natural*PFA natural |
| CC-100202   | WD10A-28E*YC-032A | 1/4-28UNF | 3.2 mm OD | 0.3N·M | 5.02kgf           | 6.84 Mpa         | 0.74            | PTFE natural*PFA natural |
| 1006010246  | WF10A-M6P*YE-016P | M6        | 1.6 mm OD | 0.2N·M | 2.37kgf           | 8.57 Mpa         | 0.75            | PP natural*PP natural    |
| 1006010247  | WF10A-M6P*YE-020P | M6        | 2.0 mm OD | 0.2N·M | 2.42kgf           | 6.49 Mpa         | 0.76            | PP natural*PP natural    |
| 1006010248  | WD10A-M6P*YC-025P | M6        | 2.5 mm OD | 0.3N·M | 2.10kgf           | 4.94 Mpa         | 0.88            | PP natural*PP natural    |
| 1006010249  | WD10A-M6P*YC-030P | M6        | 3.0mm OD  | 0.3N·M | 2.83kgf           | 4.43 Mpa         | 0.83            | PP natural*PP natural    |
| 1006010238  | WD10A-M6P*YC-032P | M6        | 3.2 mm OD | 0.3N·M | 2.92kgf           | 3.34 Mpa         | 0.83            | PP natural*PP natural    |
| 1006010241  | WF10A-M6E*YE-016A | M6        | 1.6 mm OD | 0.2N·M | 1.56kgf           | 9.59 Mpa         | 0.7             | PTFE natural*PFA natural |
| 1006010242  | WF10A-M6E*YE-020A | M6        | 2.0 mm OD | 0.2N·M | 2.37kgf           | 9.29 Mpa         | 0.7             | PTFE natural*PFA natural |
| 1006010243  | WD10A-M6E*YC-025A | M6        | 2.5 mm OD | 0.2N·M | 2.88kgf           | 6.49 Mpa         | 0.76            | PTFE natural*PFA natural |
| 1006010244  | WD10A-M6E*YC-030A | M6        | 3.0 mm OD | 0.3N·M | 2.93kgf           | 4.85 Mpa         | 0.75            | PTFE natural*PFA natural |
| 1006010245  | WD10A-M6E*YC-032A | M6        | 3.2 mm OD | 0.3N·M | 3.54kgf           | 7.56 Mpa         | 0.82            | PTFE natural*PFA natural |
| 1006010455  | WD10A-28M*YC-016P | 1/4-28UNF | 1.6 mm OD | 0.2N·M | 2.40kgf           | 8.36 Mpa         | 0.625           | POM natural*PP natural   |
| 1006010456  | WD10A-28M*YC-020P | 1/4-28UNF | 2.0 mm OD | 0.3N·M | 1.68kgf           | 8.02 Mpa         | 0.69            | POM natural*PP natural   |
| 1006010457  | WD10A-28M*YC-025P | 1/4-28UNF | 2.5 mm OD | 0.3N·M | 2.80kgf           | 6.77 Mpa         | 0.72            | POM natural*PP natural   |
| 1006010458  | WD10A-28M*YC-030P | 1/4-28UNF | 3.0 mm OD | 0.3N·M | 3.41kgf           | 5.04 Mpa         | 0.85            | POM natural*PP natural   |
| 1006010459  | WD10A-28M*YC-032P | 1/4-28UNF | 3.2 mm OD | 0.3N·M | 5.11kgf           | 7.14 Mpa         | 0.806           | POM natural*PP natural   |
| 1006010460  | WD10A-M6M*YC-016P | M6        | 1.6mm OD  | 0.3N·M | 1.99kgf           | 8.42 Mpa         | 0.93            | POM natural*PP natural   |
| 1006010461  | WD10A-M6M*YC-020P | M6        | 2.0 mm OD | 0.3N·M | 1.85kgf           | 7.17 Mpa         | 0.92            | POM natural*PP natural   |
| 1006010462  | WD10A-M6M*YC-025P | M6        | 2.5 mm OD | 0.3N·M | 3.42kgf           | 5.31 Mpa         | 0.95            | POM natural*PP natural   |
| 1006010463  | WD10A-M6M*YC-030P | M6        | 3.0 mm OD | 0.3N·M | 3.30kgf           | 5.59 Mpa         | 0.85            | POM natural*PP natural   |
| 1006010464  | WD10A-M6M*YC-032P | M6        | 3.2 mm OD | 0.3N·M | 4.06kgf           | 5.75 Mpa         | 0.7             | POM natural*PP natural   |
| 1006010592  | WF10A-28V*YE-016P | 1/4-28UNF | 1.6 mm OD |        |                   |                  |                 | PVDF natural*PP natural  |
| 1006010605  | WF10A-28V*YE-016A | 1/4-28UNF | 1.6 mm OD |        |                   |                  |                 | PVDF natural*PFA natural |
| 1006010594  | WF10A-M6V*YE-016P | M6        | 1.6 mm OD |        |                   |                  |                 | PVDF natural*PP natural  |
| 1006010593  | WD10A-28V*YC-032P | 1/4-28UNF | 3.2 mm OD |        |                   |                  |                 | PVDF natural*PP natural  |
| 1006010606  | WD10A-28V*YC-032F | 1/4-28UNF | 3.2 mm 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  |

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

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

| Part No.             | Model No.            | Thread    | Tube OD  | Material                 |
|----------------------|----------------------|-----------|----------|--------------------------|
| <b>WF05E/WD05E</b>   |                      |           |          |                          |
| 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    |

# Color Flangeless Fitting

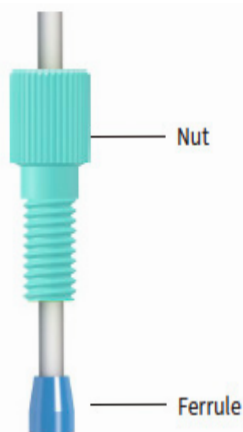
## two-piece set



- 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 and RoHS Certified, Biocompatibility reports available.*

### Application Note

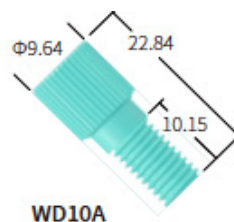
Installation steps same as flangeless fittings



- Make sure the ferrule is oriented correctly! The narrow end of the ferrule should be towards the nut.
- Flangeless nut is available in PTFE

### Related Products

#### 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

| Part No.   | Model (ID*OD)           | Thread          |
|------------|-------------------------|-----------------|
| 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.

| Part No.   | Model (ID*OD) | Note   |
|------------|---------------|--|
| 1006010473 | SNGZ-YX-X     | Suitable for WF10A/WD10A flangeless fittings |
| 1066080004 | 10*42         | Strong magnetic sleeve                       |
| 1066080003 | N20LTDK       | Torque detector                              |

| Part No.           | 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    | 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   |

| Part No.            | Model No.                            | Thread    | Tube OD  | Torque | Pull-off Strength | Rapture Pressure | Pressure Rating | Deformation Degree | Material                    |
|---------------------|--------------------------------------|-----------|----------|--------|-------------------|------------------|-----------------|--------------------|-----------------------------|
| <b>Beige Blue</b>   |                                      |           |          |        |                   |                  |                 |                    |                             |
| 1006010390          | WD10A-28P-Beige Blue *<br>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 *<br>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 *<br>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 *<br>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 *<br>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 *<br>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 *<br>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 *<br>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 *<br>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 *<br>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 *<br>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 *<br>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 *<br>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 *<br>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 *<br>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 *<br>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 *<br>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 *<br>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 *<br>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 *<br>YC-032P   | M6        | 3.2mm OD | 0.3N·M | 1.55kg            | 3.15Mpa          | 2.21Mpa         | 0.89               | PP grass green* PP natural  |
| <b>Lemon Yellow</b> |                                      |           |          |        |                   |                  |                 |                    |                             |
| 1006010400          | WD10A-28P- Lemon Yellow *<br>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 *<br>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 *<br>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 *<br>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 *<br>YC-032P | 1/4-28UNF | 3.2mm OD | 0.3N·M | 4.89kgf           | 4.95Mpa          | 3.47Mpa         | 0.84               | PP lemon yellow* PP natural |

| Part No.          | Model No.                            | Thread    | Tube OD  | Torque | Pull-off Strength | Rapture Pressure | Pressure Rating | Deformation Degree | Material                    |
|-------------------|--------------------------------------|-----------|----------|--------|-------------------|------------------|-----------------|--------------------|-----------------------------|
| 1006010450        | WD10A-M6P- Lemon Yellow *<br>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 *<br>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 *<br>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 *<br>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 *<br>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 *<br>YC-016P    | 1/4-28UNF | 1.6mm OD | 0.3N·M |                   |                  |                 |                    | PP deep black* PP natural   |
| 1006010406        | WD10A-28P-Deep Black *<br>YC-020P    | 1/4-28UNF | 2.0mm OD | 0.3N·M |                   |                  |                 |                    | PP deep black* PP natural   |
| 1006010407        | WD10A-28P-Deep Black *<br>YC-025P    | 1/4-28UNF | 2.5mm OD | 0.3N·M |                   |                  |                 |                    | PP deep black* PP natural   |
| 1006010408        | WD10A-28P-Deep Black *<br>YC-030P    | 1/4-28UNF | 3.0mm OD | 0.3N·M |                   |                  |                 |                    | PP deep black* PP natural   |
| 1006010409        | WD10A-28P-Deep Black *<br>YC-032P    | 1/4-28UNF | 3.2mm OD | 0.3N·M |                   |                  |                 |                    | PP deep black* PP natural   |
| 1006010435        | WD10A-M6P-Deep Black *<br>YC-016P    | M6        | 1.6mm OD | 0.3N·M |                   |                  |                 |                    | PP deep black* PP natural   |
| 1006010436        | WD10A-M6P-Deep Black *<br>YC-020P    | M6        | 2.0mm OD | 0.3N·M |                   |                  |                 |                    | PP deep black* PP natural   |
| 1006010437        | WD10A-M6P-Deep Black *<br>YC-025P    | M6        | 2.5mm OD | 0.3N·M |                   |                  |                 |                    | PP deep black* PP natural   |
| 1006010438        | WD10A-M6P-Deep Black *<br>YC-030P    | M6        | 3.0mm OD | 0.3N·M |                   |                  |                 |                    | PP deep black* PP natural   |
| 1006010439        | WD10A-M6P-Deep Black *<br>YC-032P    | M6        | 3.2mm OD | 0.3N·M |                   |                  |                 |                    | PP deep black* PP natural   |
| <b>Dark Brown</b> |                                      |           |          |        |                   |                  |                 |                    |                             |
| 1006010410        | WD10A-28P-Dark Brown *<br>YC-016P    | 1/4-28UNF | 1.6mm OD | 0.3N·M |                   |                  |                 |                    | PP dark brown* PP natural   |
| 1006010411        | WD10A-28P-Dark Brown *<br>YC-020P    | 1/4-28UNF | 2.0mm OD | 0.3N·M |                   |                  |                 |                    | PP dark brown* PP natural   |
| 1006010412        | WD10A-28P-Dark Brown *<br>YC-025P    | 1/4-28UNF | 2.5mm OD | 0.3N·M |                   |                  |                 |                    | PP dark brown* PP natural   |
| 1006010413        | WD10A-28P-Dark Brown *<br>YC-030P    | 1/4-28UNF | 3.0mm OD | 0.3N·M |                   |                  |                 |                    | PP dark brown* PP natural   |
| 1006010414        | WD10A-28P-Dark Brown *<br>YC-032P    | 1/4-28UNF | 3.2mm OD | 0.3N·M |                   |                  |                 |                    | PP dark brown* PP natural   |
| 1006010440        | WD10A-M6P-Dark Brown *<br>YC-016P    | M6        | 1.6mm OD | 0.3N·M |                   |                  |                 |                    | PP dark brown* PP natural   |
| 1006010441        | WD10A-M6P-Dark Brown *<br>YC-020P    | M6        | 2.0mm OD | 0.3N·M |                   |                  |                 |                    | PP dark brown* PP natural   |
| 1006010442        | WD10A-M6P-Dark Brown *<br>YC-025P    | M6        | 2.5mm OD | 0.3N·M |                   |                  |                 |                    | PP dark brown* PP natural   |
| 1006010453        | WD10A-M6P-Dark Brown *<br>YC-030P    | M6        | 3.0mm OD | 0.3N·M |                   |                  |                 |                    | PP dark brown* PP natural   |
| 1006010454        | WD10A-M6P-Dark Brown *<br>YC-032P    | M6        | 3.2mm OD | 0.3N·M |                   |                  |                 |                    | PP dark brown* PP natural   |

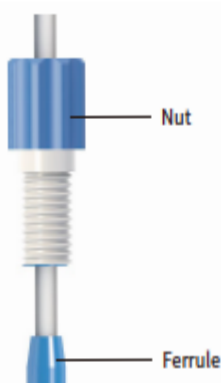
# Pre-torque Flangeless Fitting

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 and RoHS Certified, Biocompatibility reports available.*

## 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 be 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

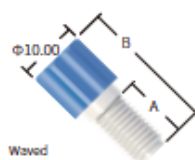
0.15~0.20 N·m – WT >0.5mm at room temperature

0.20~0.25 N·m – Use temperature >100°C, or pressure >8kg



## Related Products

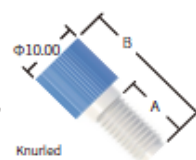
### Nut (mm)



Waved

**YJLDZ-HX-28P/E-S**  
A= 11.05 B=22.94  
**YJLDZ-HX-06P/E-S**  
A= 10.86 B=22.80

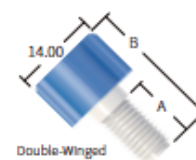
For 1.6/2.0mm OD tube



Knurled

**YJLDZ-YX-28P/E-S**  
A= 11.05 B=22.94  
**YJLDZ-YX-06P/E-S**  
A= 10.86 B=22.80

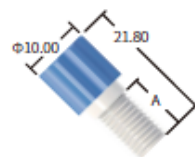
For 1.6/2.0mm OD tube



Double-Winged

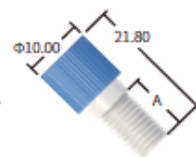
**YJLDZ-BX-28P/E-S**  
A= 11.05 B=22.94  
**YJLDZ-BX-06P/E-S**  
A= 10.86 B=22.80

For 1.6/2.0mm OD tube



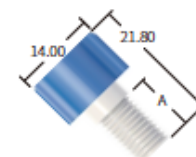
**YJLDZ-HX-28P/E**  
A= 9.95  
**YJLDZ-HX-06P/E**  
A= 10.15

For 2.5/3.0/3.2mm OD tube



**YJLDZ-YX-28P/E**  
A= 9.95  
**YJLDZ-YX-06P/E**  
A= 10.15

For 2.5/3.0/3.2mm OD tube



**YJLDZ-BX-28P/E**  
A= 9.95  
**YJLDZ-BX-06P/E**  
A= 10.15

For 2.5/3.0/3.2mm OD tube

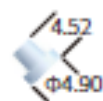
Waved

Knurled

Double-Winged

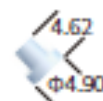


### Ferrule (mm)



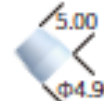
**YE-016**

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

| Part No.   | Model (ID*OD)           | Thread          |
|------------|-------------------------|-----------------|
| 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.



| Part No.   | Model (ID*OD) | Note  |
|------------|---------------|---|
| 1006020073 | SNGZ-HX       | For Waved nut head pre-torque flangeless nut  |
| 1006020074 | SNGZ-YJLDZ-YX | For Knurled nut head pre-torque flangeless nu |

| Part No.    | Model No.                        | Thread    | Tube OD  | Torque        | 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 |

# 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, Biocompatibility reports available.*

### 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 be towards the nut.

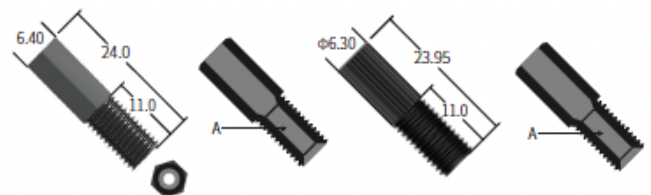
| Part No.   | Model (ID*OD)           | Thread          |
|------------|-------------------------|-----------------|
| 1005040001 | TFLG00001 (0.8*1.6)     | FEP Transparent |
| 1005040002 | TFLG00002 (1*2)         | FEP Transparent |
| 1005040003 | TFLG00003 (1.5*2.5)     | FEP Transparent |
| 1005040004 | 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

| Part No.   | Model (ID*OD) | Note   |
|------------|---------------|--|
| 1006010656 | YTSNGZ-12     | Suitable for Anti-Twist Flangeless Nut-Hexagonal handle                    |
| 1006010632 | YTSNGZ-03     | Suitable for Anti-Twist Flangeless Nut-Compact handle/Short compact handle |
| 1006010646 | YTSNGZ-06     | Suitable for Anti-Twist Flangeless Nut-Short conventional handle           |
| 1006010631 | YTSNGZ-02     | Suitable for flower shaped handle  |
| 1066080003 | N20LTDK       | Torque detector  |

### Related Products

#### Nut (mm)

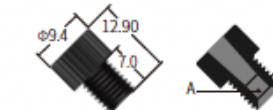


#### Extended Hexagonal handle

- 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

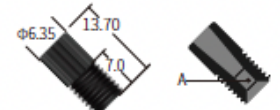
#### Extended compact handle

- 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



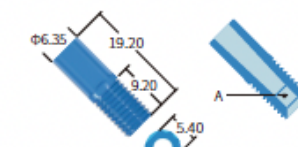
#### Short conventional handle

- 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



#### Short and compact handle

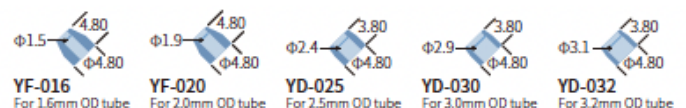
- WF16B**  
A=φ1.67, For 1.6mm OD tube
- WF20B**  
A=φ2.07, For 2.0mm OD tube
- WD25B**  
A=φ2.57, For 2.5mm OD tube
- WD30B**  
A=φ3.07, For 3.0mm OD tube
- WD32B**  
A=φ3.30, For 3.2mm OD tube



#### 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

#### Ferrule (mm) ETFE



| Part No.   | 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 - Short conventional handle</b> |                             |           |          |         |                   |                  |                 |                    |                        |
| 1006010500   | WF16G-28S-Black +YF-016F    | 1/4-28UNF | 1.6mm OD | 0.3-N M | 1.16kgf           | 10.42Mpa         | 7.29Mpa         | 0.83               | PPS black*ETFE natural |
| 1006010501   | WF20G-28S-Black +YF-020F    | 1/4-28UNF | 2.0mm OD | 0.3-N M | 1.58kgf           | 10.42Mpa         | 7.29Mpa         | 0.73               | PPS black*ETFE natural |
| 1006010502   | WD25G-28S-Black +YD-025F    | 1/4-28UNF | 2.5mm OD | 0.3-N M | 1.54kgf           | 7.37Mpa          | 5.16Mpa         | 0.88               | PPS black*ETFE natural |
| 1006010503   | WD30G-28S-Black +YD-030F    | 1/4-28UNF | 3.0mm OD | 0.3-N M | 2.35kgf           | 5.9Mpa           | 4.13Mpa         | 0.82               | PPS black*ETFE natural |
| 1006010504   | WD32G-28S-Black +YD-032F    | 1/4-28UNF | 3.2mm OD | 0.3-N M | 3.14kgf           | 5.86Mpa          | 4.1Mpa          | 0.83               | 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 |

| Part No.  | Model No.                    | Thread    | Tube OD  | Torque  | Pull-off Strength | Rapture Pressure | Pressure Rating | Deformation Degree | Material                   |
|---|------------------------------|-----------|----------|---------|-------------------|------------------|-----------------|--------------------|----------------------------|
| <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 | 0.3·N M | 1.37kgf           | 12.06Mpa         | 8.44Mpa         | 0.75               | PPS black*ETFE natural     |
| 1006010491  | WF20B-28S-Black +YF-020F     | 1/4-28UNF | 2.0mm OD | 0.3·N M | 1.57kgf           | 10.49Mpa         | 7.34Mpa         | 0.71               | PPS black*ETFE natural     |
| 1006010492  | WD25B-28S-Black +YD-025F     | 1/4-28UNF | 2.5mm OD | 0.3·N M | 1.70kgf           | 5.83Mpa          | 4.08Mpa         | 0.93               | PPS black*ETFE natural     |
| 1006010493  | WD30B-28S-Black +YD-030F     | 1/4-28UNF | 3.0mm OD | 0.3·N M | 1.55kgf           | 6.65Mpa          | 4.66Mpa         | 0.82               | PPS black*ETFE natural     |
| 1006010494  | WD32B-28S-Black +YD-032F     | 1/4-28UNF | 3.2mm OD | 0.3·N M | 3.26kgf           | 13.42Mpa         | 9.39Mpa         | 0.69               | PPS black*ETFE natural     |
| 1006010495  | WF16B-M6S-Black +YF-016F     | M6        | 1.6mm OD | 0.3·N M | 1.29kgf           | 8.87Mpa          | 6.21Mpa         | 0.79               | 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     |
| <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 |

| Part No.   | Model No.                       | Thread    | Tube OD  | Torque | Pull-off Strength | Rapture Pressure | Pressure Rating | Deformation Degree | Material                    |
|--|---------------------------------|-----------|----------|--------|-------------------|------------------|-----------------|--------------------|-----------------------------|
| Anti-Twist Flangeless Fitting-Two-piece Set - Flower shaped handle |                                 |           |          |        |                   |                  |                 |                    |                             |
| 1006010539   | WD32H-M6P-Beige Blue+YD-032F    | M6        | 3.2mm OD | —      | —                 | —                | —               | —                  | PP beige blue+ETFE natural  |
| 1006010687   | WF16H-28P-red * YF-016F         | 1/4-28UNF | 1.6mm OD | —      | —                 | —                | —               | —                  | PP red*ETFE natural         |
| 1006010694   | WD32H-28P-red * YD-032F         | 1/4-28UNF | 3.2mm OD | —      | —                 | —                | —               | —                  | PP red*ETFE natural         |
| 1006010688   | WF16H-28P-black * YF-016F       | 1/4-28UNF | 1.6mm OD | —      | —                 | —                | —               | —                  | PP black*ETFE natural       |
| 1006010695   | WD32H-28P-black * YD-032F       | 1/4-28UNF | 3.2mm OD | —      | —                 | —                | —               | —                  | PP black*ETFE natural       |
| 1006010689   | WF16H-28P-yellow * YF-016F      | 1/4-28UNF | 1.6mm OD | —      | —                 | —                | —               | —                  | PP yellow*ETFE natural      |
| 1006010696   | WD32H-28P-yellow * YD-032F      | 1/4-28UNF | 3.2mm OD | —      | —                 | —                | —               | —                  | PP yellow*ETFE natural      |
| 1006010690   | WF16H-28P-green * YF-016F       | 1/4-28UNF | 1.6mm OD | —      | —                 | —                | —               | —                  | PP green*ETFE natural       |
| 1006010697   | WD32H-28P-green * YD-032F       | 1/4-28UNF | 3.2mm OD | —      | —                 | —                | —               | —                  | PP green*ETFE natural       |
| 1006010691   | WF16H-28P-Beige blue * YF-016F  | 1/4-28UNF | 1.6mm OD | —      | —                 | —                | —               | —                  | PP Beige blue*ETFE natural  |
| 1006010698   | WD32H-28P-Beige blue * YD-032F  | 1/4-28UNF | 3.2mm OD | —      | —                 | —                | —               | —                  | PP Beige blue*ETFE natural  |
| 1006010692   | WF16H-28P-deep purple * YF-016F | 1/4-28UNF | 1.6mm OD | —      | —                 | —                | —               | —                  | PP deep purple*ETFE natural |
| 1006010699   | WD32H-28P-deep purple * YD-032F | 1/4-28UNF | 3.2mm OD | —      | —                 | —                | —               | —                  | PP deep purple*ETFE natural |
| 1006010693   | WF16H-28P-dark brown * YF-016F  | 1/4-28UNF | 1.6mm OD | —      | —                 | —                | —               | —                  | PP dark brown*ETFE natural  |
| 1006010700   | WD32H-28P-dark brown * YD-032F  | 1/4-28UNF | 3.2mm OD | —      | —                 | —                | —               | —                  | PP dark brown*ETFE natural  |

# 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 tighten 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, Biocompatibility reports available.*

### Application Note

#### Nut- PPS

Our Nuts provide finger tight 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

- 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

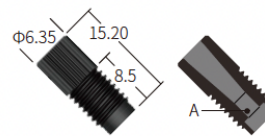
| Part No.   | Model (ID*OD)           | Thread          |
|------------|-------------------------|-----------------|
| 1005040001 | TFLG00001 (0.8*1.6)     | FEP Transparent |
| 1005040002 | TFLG00002 (1*2)         | FEP Transparent |
| 1005040003 | TFLG00003 (1.5*2.5)     | FEP Transparent |
| 1005040004 | TFLG00004 (2*3)         | FEP Transparent |
| 1005040005 | TFLG00005 (2.175*3.175) | FEP Transparent |



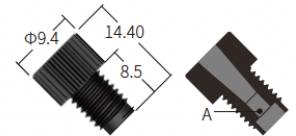
| Part No.   | Model (ID*OD) | Note                     |
|------------|---------------|--------------------------|
| 1006010632 | YTSNGZ-03     | Suitable for WF01B WD01B |
| 1006010646 | YTSNGZ-06     | Suitable for WF03G WD03G |
| 1006010646 | N20LTDK       | Torque detector          |

### Related Products

#### Nut (mm)

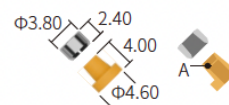


**WF01B-28S-black**  
A=Φ2.2, For 1.6/2.0mm OD tube  
**WD01B-28S-black**  
A=Φ3.3, For 2.5/3.0/3.2mm OD tube

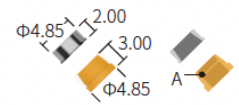


**WF03G-28S-black**  
A=Φ2.2, For 1.6/2.0mm OD tube  
**WD03G-28S-black**  
A=Φ3.3, For 2.5/3.0/3.2mm OD tube

#### Lock Ring/Ferrules (mm)



**KCF-038SUS316**  
+  
**YE-016F**  
A=Φ1.53, For 1.6mm OD tube  
**YE-020F**  
A=Φ1.93, For 2.0mm OD tube



**KCF-045SUS316**  
+  
**YK-025F**  
A=Φ2.3, For 2.5mm OD tube  
**YK-030F**  
A=Φ2.88, For 3.0mm OD tube  
**YK-032F**  
A=Φ3.05, For 3.2mm OD tube

| Part No.    | Model No.                                      | Thread    | Tube OD  | Torque | Pull-off Strength | Rapture Pressure | Pressure Rating | Deformation Degree | Material        |
|-------------|--|-----------|----------|--------|-------------------|------------------|-----------------|--------------------|-----------------|
| WF01B/WD01B |  |           |          |        |                   |                  |                 |                    |                 |
| 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 |
| 1006010722  | WF01B-28S-red * YE-016F * KCF-038SUS316        | 1/4-28UNF | 1.6mm OD | 0.3N-m | 2.18kgf           | 10.32Mpa         | 7.22Mpa         | 0.71               | PPS*ETFE*SUS316 |
| 1006010729  | WF01B-28S-red * YE-020F * KCF-038SUS316        | 1/4-28UNF | 2.0mm OD | 0.3N-m | 2.55kgf           | 8.54Mpa          | 5.99Mpa         | 0.76               | PPS*ETFE*SUS316 |
| 1006010701  | WD01B-28S-red * YK-025F * KCF-045SUS316        | 1/4-28UNF | 2.5mm OD | 0.3N-m | 2.95kgf           | 7.60Mpa          | 5.32Mpa         | 0.75               | PPS*ETFE*SUS316 |
| 1006010708  | WD01B-28S-red * YK-030F * KCF-045SUS316        | 1/4-28UNF | 3.0mm OD | 0.3N-m | 4.24kgf           | 5.80Mpa          | 4.06Mpa         | 0.76               | PPS*ETFE*SUS316 |
| 1006010715  | WD01B-28S-red * YK-032F * KCF-045SUS316        | 1/4-28UNF | 3.2mm OD | 0.3N-m | 4.20kgf           | 6.49Mpa          | 4.54Mpa         | 0.75               | PPS*ETFE*SUS316 |
| 1006010723  | WF01B-28S-yellow * YE-016F * KCF-038SUS316     | 1/4-28UNF | 1.6mm OD | 0.3N-m | 2.18kgf           | 10.32Mpa         | 7.22Mpa         | 0.71               | PPS*ETFE*SUS316 |
| 1006010730  | WF01B-28S-yellow * YE-020F * KCF-038SUS316     | 1/4-28UNF | 2.0mm OD | 0.3N-m | 2.55kgf           | 8.54Mpa          | 5.99Mpa         | 0.76               | PPS*ETFE*SUS316 |
| 1006010702  | WD01B-28S-yellow * YK-025F * KCF-045SUS316     | 1/4-28UNF | 2.5mm OD | 0.3N-m | 2.95kgf           | 7.60Mpa          | 5.32Mpa         | 0.75               | PPS*ETFE*SUS316 |
| 1006010709  | WD01B-28S-yellow * YK-030F * KCF-045SUS316     | 1/4-28UNF | 3.0mm OD | 0.3N-m | 4.24kgf           | 5.80Mpa          | 4.06Mpa         | 0.76               | PPS*ETFE*SUS316 |
| 1006010716  | WD01B-28S-yellow * YK-032F * KCF-045SUS316     | 1/4-28UNF | 3.2mm OD | 0.3N-m | 4.20kgf           | 6.49Mpa          | 4.54Mpa         | 0.75               | PPS*ETFE*SUS316 |
| 1006010724  | WF01B-28S-green * YE-016F * KCF-038SUS316      | 1/4-28UNF | 1.6mm OD | 0.3N-m | 2.18kgf           | 10.32Mpa         | 7.22Mpa         | 0.71               | PPS*ETFE*SUS316 |
| 1006010731  | WF01B-28S-green * YE-020F * KCF-038SUS316      | 1/4-28UNF | 2.0mm OD | 0.3N-m | 2.55kgf           | 8.54Mpa          | 5.99Mpa         | 0.76               | PPS*ETFE*SUS316 |
| 1006010703  | WD01B-28S-green * YK-025F * KCF-045SUS316      | 1/4-28UNF | 2.5mm OD | 0.3N-m | 2.95kgf           | 7.60Mpa          | 5.32Mpa         | 0.75               | PPS*ETFE*SUS316 |
| 1006010710  | WD01B-28S-green * YK-030F * KCF-045SUS316      | 1/4-28UNF | 3.0mm OD | 0.3N-m | 4.24kgf           | 5.80Mpa          | 4.06Mpa         | 0.76               | PPS*ETFE*SUS316 |
| 1006010717  | WD01B-28S-green * YK-032F * KCF-045SUS316      | 1/4-28UNF | 3.2mm OD | 0.3N-m | 4.20kgf           | 6.49Mpa          | 4.54Mpa         | 0.75               | PPS*ETFE*SUS316 |
| 1006010725  | WF01B-28S-Beige blue * YE-016F * KCF-038SUS316 | 1/4-28UNF | 1.6mm OD | 0.3N-m | 2.18kgf           | 10.32Mpa         | 7.22Mpa         | 0.71               | PPS*ETFE*SUS316 |
| 1006010732  | WF01B-28S-Beige blue * YE-020F * KCF-038SUS316 | 1/4-28UNF | 2.0mm OD | 0.3N-m | 2.55kgf           | 8.54Mpa          | 5.99Mpa         | 0.76               | PPS*ETFE*SUS316 |
| 1006010704  | WD01B-28S-Beige blue * YK-025F * KCF-045SUS316 | 1/4-28UNF | 2.5mm OD | 0.3N-m | 2.95kgf           | 7.60Mpa          | 5.32Mpa         | 0.75               | PPS*ETFE*SUS316 |
| 1006010711  | WD01B-28S-Beige blue * YK-030F * KCF-045SUS316 | 1/4-28UNF | 3.0mm OD | 0.3N-m | 4.24kgf           | 5.80Mpa          | 4.06Mpa         | 0.76               | PPS*ETFE*SUS316 |
| 1006010718  | WD01B-28S-Beige blue * YK-032F * KCF-045SUS316 | 1/4-28UNF | 3.2mm OD | 0.3N-m | 4.20kgf           | 6.49Mpa          | 4.54Mpa         | 0.75               | PPS*ETFE*SUS316 |

| Part No.           | Model No.                                     | Thread    | Tube OD  | Torque | Pull-off Strength | Rapture Pressure | Pressure Rating | Deformation Degree | Material        |
|--------------------|---|-----------|----------|--------|-------------------|------------------|-----------------|--------------------|-----------------|
| <b>WF01B/WD01B</b> |   |           |          |        |                   |                  |                 |                    |                 |
| 1006010726         | WF01B-28S-Dark Blue * YE-016F * KCF-038SUS316 | 1/4-28UNF | 1.6mm OD | 0.3N·m | 2.18kgf           | 10.32Mpa         | 7.22Mpa         | 0.71               | PPS*ETFE*SUS316 |
| 1006010733         | WF01B-28S-Dark Blue * YE-020F * KCF-038SUS316 | 1/4-28UNF | 2.0mm OD | 0.3N·m | 2.55kgf           | 8.54Mpa          | 5.99Mpa         | 0.76               | PPS*ETFE*SUS316 |
| 1006010705         | WD01B-28S-Dark Blue * YK-025F * KCF-045SUS316 | 1/4-28UNF | 2.5mm OD | 0.3N·m | 2.95kgf           | 7.60Mpa          | 5.32Mpa         | 0.75               | PPS*ETFE*SUS316 |
| 1006010712         | WD01B-28S-Dark Blue * YK-030F * KCF-045SUS316 | 1/4-28UNF | 3.0mm OD | 0.3N·m | 4.24kgf           | 5.80Mpa          | 4.06Mpa         | 0.76               | PPS*ETFE*SUS316 |
| 1006010719         | WD01B-28S-Dark Blue * YK-032F * KCF-045SUS316 | 1/4-28UNF | 3.2mm OD | 0.3N·m | 4.20kgf           | 6.49Mpa          | 4.54Mpa         | 0.75               | PPS*ETFE*SUS316 |
| 1006010727         | WF01B-28S-purple * YE-016F * KCF-038SUS316    | 1/4-28UNF | 1.6mm OD | 0.3N·m | 2.18kgf           | 10.32Mpa         | 7.22Mpa         | 0.71               | PPS*ETFE*SUS316 |
| 1006010734         | WF01B-28S-purple * YE-020F * KCF-038SUS316    | 1/4-28UNF | 2.0mm OD | 0.3N·m | 2.55kgf           | 8.54Mpa          | 5.99Mpa         | 0.76               | PPS*ETFE*SUS316 |
| 1006010706         | WD01B-28S-purple * YK-025F * KCF-045SUS316    | 1/4-28UNF | 2.5mm OD | 0.3N·m | 2.95kgf           | 7.60Mpa          | 5.32Mpa         | 0.75               | PPS*ETFE*SUS316 |
| 1006010713         | WD01B-28S-purple * YK-030F * KCF-045SUS316    | 1/4-28UNF | 3.0mm OD | 0.3N·m | 4.24kgf           | 5.80Mpa          | 4.06Mpa         | 0.76               | PPS*ETFE*SUS316 |
| 1006010720         | WD01B-28S-purple * YK-032F * KCF-045SUS316    | 1/4-28UNF | 3.2mm OD | 0.3N·m | 4.20kgf           | 6.49Mpa          | 4.54Mpa         | 0.75               | PPS*ETFE*SUS316 |
| 1.6mm OD           | WF01B-28S-brown * YE-016F * KCF-038SUS316     | 1/4-28UNF | 1.6mm OD | 0.3N·m | 2.18kgf           | 10.32Mpa         | 7.22Mpa         | 0.71               | PPS*ETFE*SUS316 |
| 2.0mm OD           | WF01B-28S-brown * YE-020F * KCF-038SUS316     | 1/4-28UNF | 2.0mm OD | 0.3N·m | 2.55kgf           | 8.54Mpa          | 5.99Mpa         | 0.76               | PPS*ETFE*SUS316 |
| 2.5mm OD           | WD01B-28S-brown * YK-025F * KCF-045SUS316     | 1/4-28UNF | 2.5mm OD | 0.3N·m | 2.95kgf           | 7.60Mpa          | 5.32Mpa         | 0.75               | PPS*ETFE*SUS316 |
| 3.0mm OD           | WD01B-28S-brown * YK-030F * KCF-045SUS316     | 1/4-28UNF | 3.0mm OD | 0.3N·m | 4.24kgf           | 5.80Mpa          | 4.06Mpa         | 0.76               | PPS*ETFE*SUS316 |
| 3.2mm OD           | WD01B-28S-brown * 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 | 1.65kgf           | 9.96Mpa          | 6.97Mpa         | 0.66               | PPS*ETFE*SUS316 |
| 1006010556         | WF03G-28S-black * YE-020F * KCF-038SUS316     | 1/4-28UNF | 2.0mm OD | 0.3N·m | 2.37kgf           | 7.00Mpa          | 4.90Mpa         | 0.69               | 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     | 1/4-28UNF | 3.2mm OD | 0.3N·m | 4.32kgf           | 7.42Mpa          | 5.19Mpa         | 0.75               | PPS*ETFE*SUS316 |

# Coned Plug



- For blocking the flow of liquids and gases
- 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 and RoHS Certified, Biocompatibility reports available.*

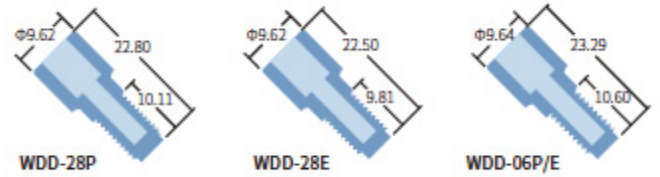
## Application Note

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.

| Part No.   | Model (ID*OD) | Thread                      |
|------------|---------------|-----------------------------|
| 1006010473 | SNGZ-YX-X     | Suitable for WDD Coned Plug |
| 1066080014 | 13*42         | Strong magnetic sleeve      |
| 1066080003 | N20LTDK       | Torque detector             |

## Related Products

Unit: mm



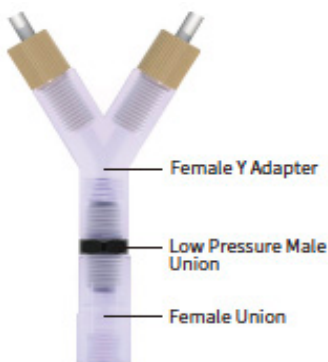
| Part No.          | Model (ID*OD) | Thread    | Material     |
|-------------------|---------------|-----------|--------------|
| <b>Coned Plug</b> |               |           |              |
| 1006040001        | WDD-28P       | 1/4-28UNF | PP natural   |
| 1006040002        | WDD-28E       | 1/4-28UNF | PTFE natural |
| 1006040003        | WDD-06P       | M6        | PP natural   |
| 1006040004        | WDD-06E       | M6        | PTFE natural |

# Low Pressure Male Union



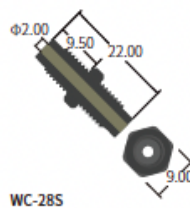
- Standard threads and curvature, no gap, no wobble and good sealing with the corresponding threads
- The PPS material has high strength, high toughness, excellent heat and chemical resistance,
- Suitable temperature range -50°C~150°C
- Thread: 1/4-28 UNF
- *REACH and RoHS Certified, Biocompatibility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

## Application Note



## Related Products

Unit: mm



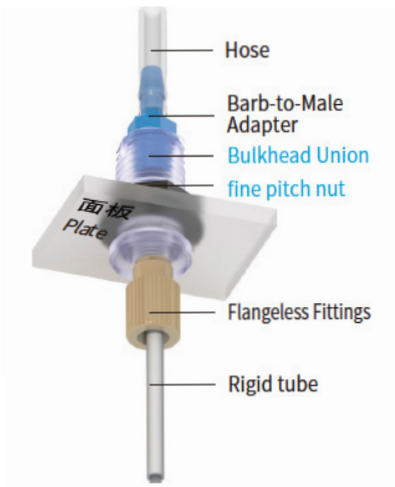
| Part No.                       | Model (ID*OD) | Thread    | Material  |
|--------------------------------|---------------|-----------|-----------|
| <b>Low Pressure Male Union</b> |               |           |           |
| 1006090015                     | WC-28S        | 1/4-28UNF | PPS black |

# 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 and RoHS Certified, Biocompatibility reports available.*

## Application Note



Panel thickness ≤ 14mm

Thru-hole on panel

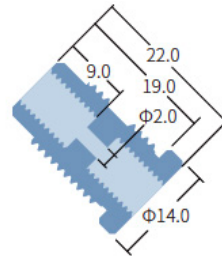


Unit: mm



| Part No.   | Model (ID*OD) | Thread              |
|------------|---------------|---------------------|
| 1006090016 | 15mm-S        | Bulkhead nut wrench |

## Related Products



NC-28



M12\*1

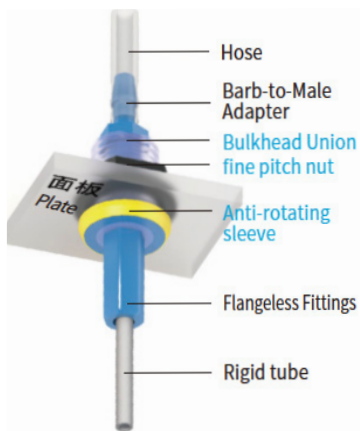
| Part No.                 | Model (ID*OD)    | Thread                  | Material                    |
|--------------------------|------------------|-------------------------|-----------------------------|
| Bulkhead Two-piece Union |                  |                         |                             |
| 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

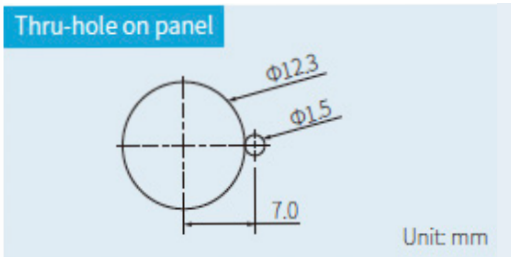


- Anti-rotation sleeve has been added to prevent fitting from rotation
- Designed to connect internal tubing to the outside through the equipment enclosure; the installation requires the panel to be pre-drilled
- Interchangeable internal and external threads for leak-free connection with flexible and 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 and RoHS Certified, Biocompatibility reports available.*

## Application Note



Panel thickness ≤ 14mm



| Part No.   | Model (ID*OD) | Thread              |
|------------|---------------|---------------------|
| 1006090016 | 15mm-S        | Bulkhead nut wrench |

## Related Products



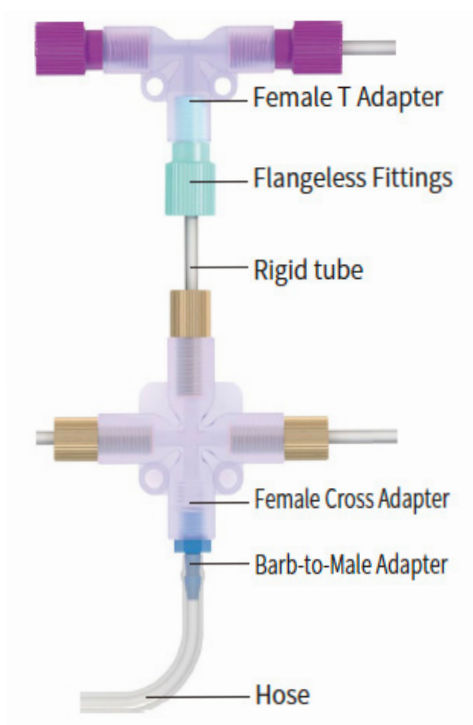
| Part No.              | Model No.                                | Thread                  | Material                                  |
|-----------------------|--|-------------------------|---|
| <b>Bulkhead Union</b> |  |                         |   |
| 1006090023            | NC01-28P * M12*1-S * 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  |

# Female Thread Adapter

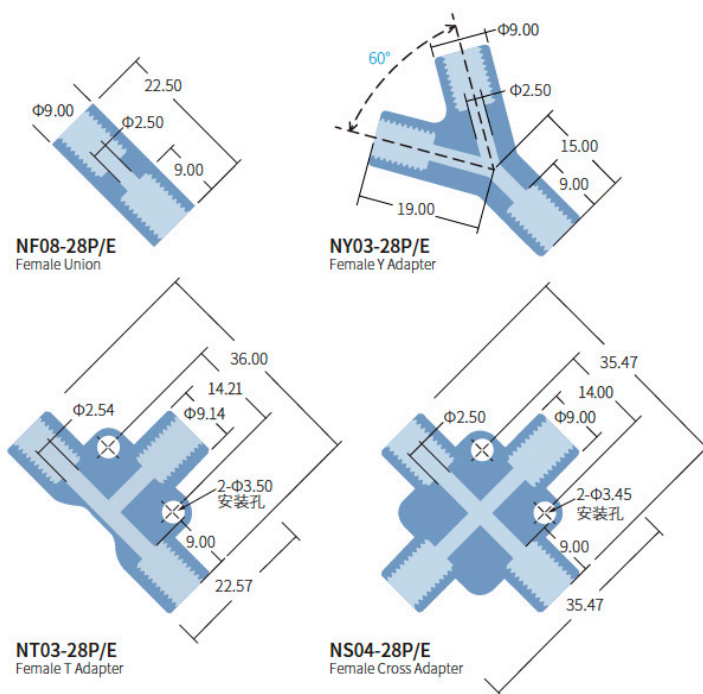


- Standard threads and curvature, no gap, no wobble and good sealing with the corresponding threads
- Imported raw material, non-toxic, tasteless, heat and corrosion resistant. PP material is widely used in biomedical, environmental protection and food industries; PTFE material is also suitable for chemical 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 and RoHS Certified, Biocompatibility reports available.*

## Application Note



## Related Products



| Part No.                    | Model (ID*OD) | Thread                  | Material     |
|-----------------------------|---------------|-------------------------|--------------|
| <b>Female Union</b>         |               |                         |              |
| CC-100217                   | NF08-28P      | 1/4-28UNF female thread | PP natural   |
| CC-100218                   | NF08-28E      | 1/4-28UNF female thread | PTFE natural |
| <b>Female Y Adapter</b>     |               |                         |              |
| CC-100221                   | NY03-28P      | 1/4-28UNF female thread | PP natural   |
| CC-100222                   | NY03-28E      | 1/4-28UNF female thread | PTFE natural |
| <b>Female T Adapter</b>     |               |                         |              |
| CC-100219                   | NT03-28P      | 1/4-28UNF female thread | PP natural   |
| CC-100220                   | NT03-28E      | 1/4-28UNF female thread | PTFE natural |
| <b>Female Cross Adapter</b> |               |                         |              |
| CC-100223                   | NS04-28P      | 1/4-28UNF female thread | PP natural   |
| 1006080002                  | NS04-28E      | 1/4-28UNF female thread | PTFE natural |



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