



# PEEK Flangeless Fittings

## 硬管接头

**PEEK Flangeless Fittings** come with PEEK flangeless nut and ETFE ferrule for your convenience. Flangeless fittings are excellent replacements for flanged fittings, they are dependable, easy to use and easy to replace.

**PEEK Super Flangeless Fittings** eliminates loosening of fittings due to tubing twist and holds tight even through vibration and increase the reusability with the help of 316 SST sleeves.

- PEEK nuts featured with high mechanical strength, solvent resistance (except strong sulphuric acid and strong nitric acid), high temperature resistance, wear resistance with its high friction coefficient, impact resistance
- Yellow Tefzel (ETFE) Ferrules are excellent for connecting most rigid or semi-rigid tubes, including tubing manufactured from fluoropolymers (FEP, PFA, ETFE, ECTFE, etc.), PEEK. It offers superior chemical resistance. It has a 1/4-28 Flat-Bottom port configuration and is for 1.6/2.0/2.5/3.0/3.175/3.2mm OD Tubing.
- Long-time operation temperature from - 100°C to + 250°C
- Frequent disassembly supported
- Suit for mesolow liquid chromatography, gene detection, high-end bioanalysis

### Application Note (PEEK Flangeless Fittings)

Before connecting fittings, ensure the end of tubing has a clean, square, burr-free cut. This is very important, as the square cut helps the tubing make full contact with the bottom of matching port. Neglecting to properly cut the tubing could lead to dead volume, resulting in peak distortion such as fronting, tailing or broadening.

- 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

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

### Model No.

**WF09B - 1/4-28 - K**

<b>Nut Model</b> WF09B WF01B WP08B WD01B	<b>Thread</b> 1/4-28 - 1/4-28UNF 06 - M6	<b>Material</b> K - PEEK
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**YE - 020 - F**

<b>Ferrule Model</b> YE YC YK	<b>Ferrule ID (Tube OD)</b> 016 - 1.6mm 020 - 2.0mm 025 - 2.5mm 030 - 3.0mm 032 - 3.2mm	<b>Material</b> F - ETFE
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**KCF - 038 - SUS316**

<b>Sleeve Model</b>	<b>Sleeve OD</b> 038 - 3.8mm 045 - 4.5mm	<b>Material</b> SST316
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WP08B-1/4-28-K - WP08B flangeless nut made of 1/4-28UNF male thread and PEEK material  
YE-020-F - YE ferrule made of 2.0mm ID and ETFE material, suits for 2.0mm OD tubing  
KCF-045-SUS316 - KCF sleeve made of 4.5mm OD (match with YK ferrules) and SST316 material

### Configuration 1



### Configuration 2



### Specification 1

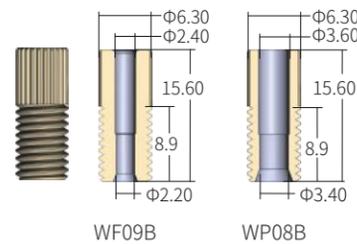
Nut Model	Thread	Material	Ferrule Model	Tubing OD
WF09B-1/4-28-K	1/4-28UNF	PEEK	YE-016-F	1.6mm
WF09B-06-K	M6	PEEK	YE-020-F	2.0mm
WP08B-1/4-28-K	1/4-28UNF	PEEK	YC-025-F	2.5mm
WP08B-06-K	M6	PEEK	YC-030-F	3.0mm
			YC-032-F	3.2mm

### Specification 2

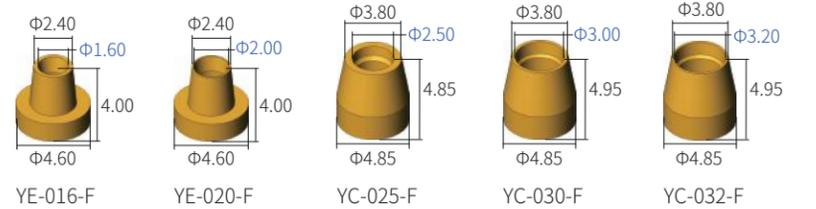
Nut Model	Thread	Material	Ferrule Model	Sleeve Model	Tubing OD
WF01B-1/4-28-K	1/4-28UNF	PEEK	YE-016-F	KCF-038-SUS	1.6mm
WF01B-06-K	M6	PEEK	YE-020-F		2.0mm
WD01B-1/4-28-K	1/4-28UNF	PEEK	YK-025-F	KCF-048-SUS	2.5mm
WD01B-06-K	M6	PEEK	YK-030-F		3.0mm
			YK-032-F	3.2mm	

### Dimension (unit: mm)

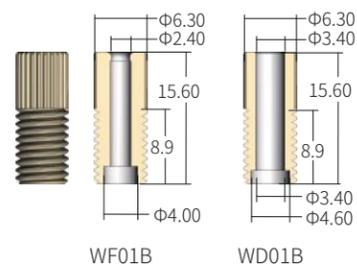
#### Nut of Configuration 1



#### Ferrule of Configuration 1



#### Nut of Configuration 2



#### Ferrule of Configuration 2



#### Sleeve of Configuration 2

