



FOREACH

MAKE FLOW EASY

FITTINGS AND TUBING CATALOG^{A02}

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

ABOUT US

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

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

股票代码 | 874030
Stock code



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Rigid Tubing Fittings

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

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

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

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

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

06

Flange Fittings

Includes Standard Flange Fittings and Compact Flange Fittings with Gaskets

14

Ferrule Fittings

Includes Standard Ferrule Fittings and Compact Ferrule Fittings

21

Snap Ring Fittings

Includes Snap Ring Fittings and Snap Ring Two-Piece Sets

24

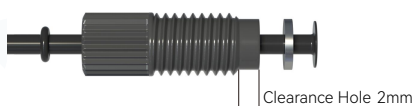
High-Pressure Fittings

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



⚠ Precautions

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

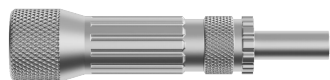


💡 Assembly Tips

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

💡 Related Products

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



Item Code	Compatible Bit
956002	All torque bit heads



Item Code	Compatible Fitting Series
809739	HF/Standard Flanged Fittings



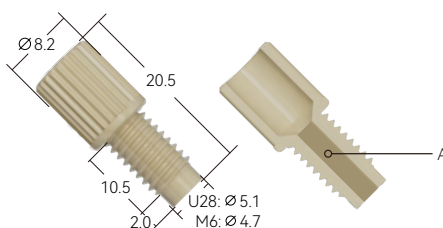
Item Code	Compatible Fitting Series
959006	HFL/Standard Flanged Fittings



Flange Fittings

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

HF/Standard Flanged Fittings



Unit: mm



PEEK



PVDF



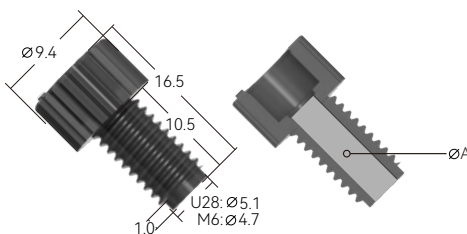
PPS

• HF/Standard Flanged Fittings

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

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

HFL/Standard Flanged Fittings



Unit: mm



PVDF



PVDF

• HFL/Standard Flanged Fittings

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

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

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

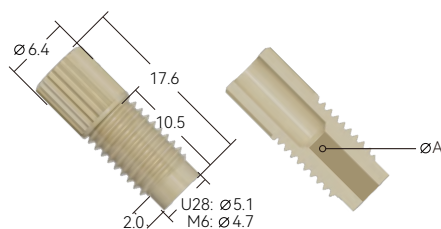


2. Use with electric screwdrivers for rapid fitting assembly/disassembly.



3. Refer to P105 for torque vs. electric screwdriver performance comparison.

HF6/Compact Flanged Fittings



Unit: mm

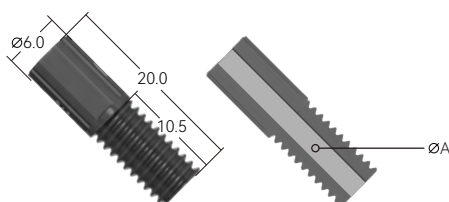


• HF6/Compact Flanged Fittings

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

Model	HF6-M6(U28)-20	HF6-M6(U28)-25	HF6-M6(U28)-32
Tube OD	1.6~2.0	2.5	3.0~3.2
A	2.2	2.7	3.4

HFL6/Compact Flanged Fittings

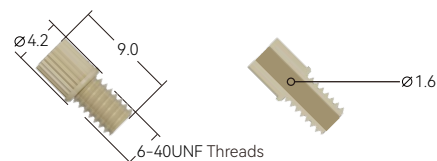


Unit: mm



• HFL6/Compact Flanged Fittings

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



Unit: mm

PEEK

• HFL6/Compact Flanged Fittings

Compatible with 1.6mm Tube OD
6-40UNF threads

Model	HFL6-M6(U28, U40)-16	HFL6-M6(U28)-20	HFL6-M6(U28)-25	HFL6-M6(U28)-30
Tube OD	1.6	2.0	2.5	3.0
A	1.6	2.0	2.5	3.0

Model	HFL6-M6(U28)-32
Tube OD	3.2
A	3.2

Gasket Installation Guidelines



SUS



PEEK



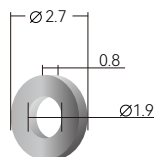
PTFE

1. SUS gaskets:

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

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

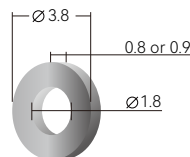
WS/Gasket



Unit: mm

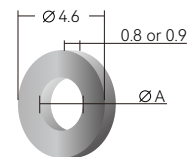
• WS-27

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



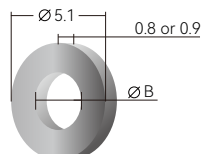
• WS-38

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



• WS-46

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



• WS-51

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



SUS



PEEK



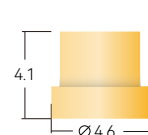
PTFE

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

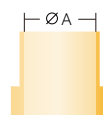
Model	WS-46-18	WS-46-21	WS-46-26	WS-46-33
Tube OD	1.6	2.0	2.5	3.0/3.2
A	1.8	2.1	2.6	3.3
HF Series	HF-M6-20	HF-M6-20	HF-M6-25	HF-M6-32
HFL Series	HFL-M6-16	HFL-M6-20	HFL-M6-25	HFL-M6-30(32)
HF6 Series	HF6-M6-20	HF6-M6-20	HF6-M6-25	HF6-M6-32
HFL6 Series	HFL6-M6-16	HFL6-M6-20	HFL6-M6-25	HFL6-M6-30(32)

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

WSS/Flange Gasket



Unit: mm



PEEK

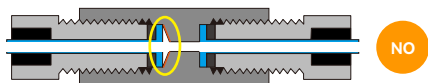
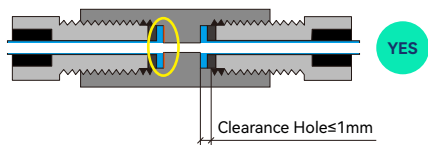
• WSS/Flange Gasket

Compatible with 1.6 - 3.2 mm Tube OD

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

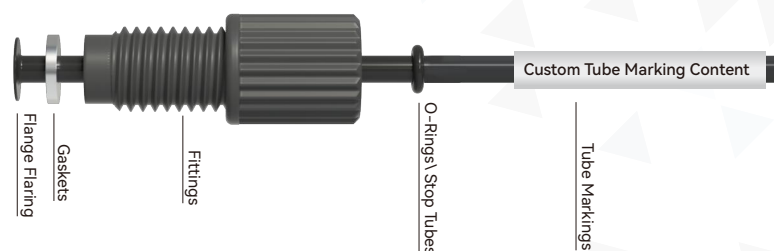
① Machining Requirements

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



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

Custom Flanged Tube Assemblies



Flange Flaring

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

Gaskets

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

Fittings

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

O-Rings/Stop Tubes

Locking fittings prevent sliding.

Tube Markings

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

HF/Standard Flanged Fittings

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

HFL/Standard Flanged Fittings

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

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

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

HF6/Compact Flanged Fittings

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

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

HFL6/Compact Flanged Fittings

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

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

WS/Gasket

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

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

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

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

WSS/Flange Gasket

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

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



ⓘ Precautions

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



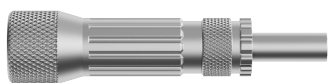
* Typical configuration diagram of ferrule fittings

💡 Assembly Tips

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

💡 Related Products

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



Item Code	Compatible Bit
956002	All torque bit heads



Item Code	Compatible Fitting Series
809739	HN/Standard Ferrule Fittings



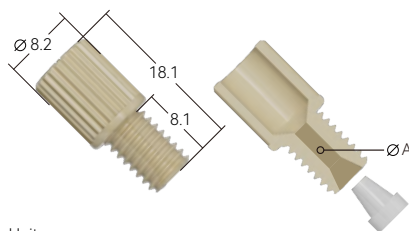
Item Code	Compatible Fitting Series
809738	HN6/Compact Ferrule Fittings



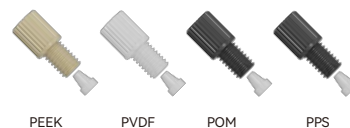
Ferrule Fittings

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

HN/Standard Ferrule Fittings



Unit: mm

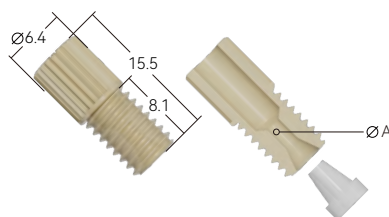


• HN/Standard Ferrule Fittings

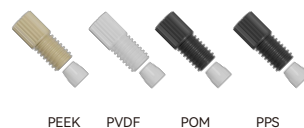
Compatible with 1.6 - 3.2 mm Tube OD
1/4-28 UNF & M6x1 threads

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

HN6/Compact Ferrule Fittings



Unit: mm

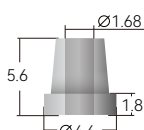


• HN6/Compact Ferrule Fittings

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

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

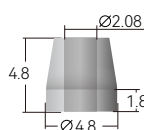
CL-0X/Ferrule



Unit: mm

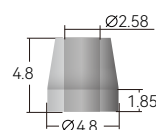
• CL-0X-16

Compatible with 1.6mm Tube OD



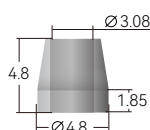
• CL-0X-20

Compatible with 2.0mm Tube OD



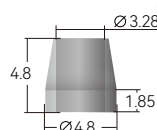
• CL-0X-25

Compatible with 2.5mm Tube OD



• **CL-0X-30**

Compatible with 3.0mm Tube OD



• **CL-0X-32**

Compatible with 3.2mm Tube OD

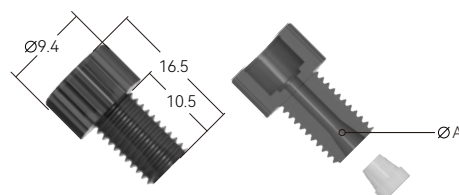


PP

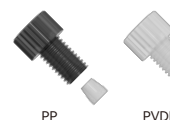
ETFE

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

HNF/Standard Ferrule Fittings



Unit: mm



PP

PVDF

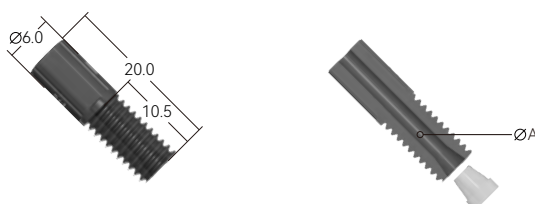
• **HNF/Standard Ferrule Fittings**

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

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

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

HN6/Compact Ferrule Fittings



Unit: mm

PPS

• **HN6/Compact Ferrule Fittings**

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

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

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



Item Code	Compatible Fitting Series
959006	HN6/Standard Ferrule Fittings



Item Code	Compatible Fitting Series
959019	HN6/Compact Ferrule Fittings



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



Item Code	Compatible Fitting Series
959008	HN6/Compact Ferrule Fittings

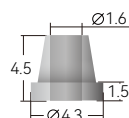


Item Code	Compatible Fitting Series
959005	HN6/Standard Ferrule Fittings



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

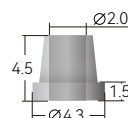
CL-0/Ferrule



Unit: mm

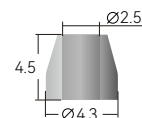
• CL-0-16

Compatible with 1.6mm Tube OD



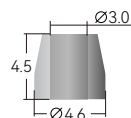
• CL-0-20

Compatible with 2.0mm Tube OD



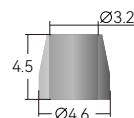
• CL-0-25

Compatible with 2.5mm Tube OD



• CL-0-30

Compatible with 3.0mm Tube OD



• CL-0-32

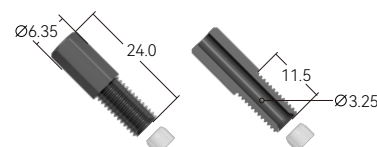
Compatible with 3.2mm Tube OD



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

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

HNE6/Compact Hex Ferrule Fitting



Unit: mm

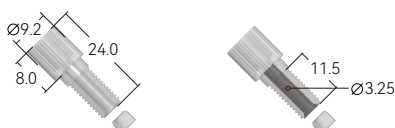
• HNE6/Compact Hex Ferrule Fitting

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

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



HNE/Long Standard Ferrule Fitting



Unit: mm

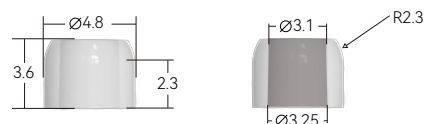
• HNE/Long Standard Ferrule Fitting

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

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



CL-0E/Ferrule



• CL-0E-32

Compatible with 3.2 mm Tube OD



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

HN/Standard Ferrule Fittings

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

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

HNF/Standard Ferrule Fittings

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

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

HNF - U28 - 16 - PV - N						
Standard Ferrule Fittings		Thread	Tube OD	Material	Color	
		M6 -M6x1 U28 -1/4-28UNF	16-1.6mm 20-2.0mm 25-2.5mm 30-3.0mm 32-3.2mm	PV-PVDF	B-Black N-Natural	
Item Code	Model	Thread	Tube OD	Material	Color	Packaging
809396	HNF-U28-25-PV-B	1/4-28UNF	2.5mm	PVDF	Black	100pcs/pkg
809119	HNF-U28-30-PV-N	1/4-28UNF	3.0mm	PVDF	Natural	100pcs/pkg
809399	HNF-U28-30-PV-B	1/4-28UNF	3.0mm	PVDF	Black	100pcs/pkg
809111	HNF-U28-32-PV-N	1/4-28UNF	3.2mm	PVDF	Natural	100pcs/pkg
809397	HNF-U28-32-PV-B	1/4-28UNF	3.2mm	PVDF	Black	100pcs/pkg

HN6/Compact Ferrule Fittings

HN6 - U28 - 16 - PV - N						
Compact Ferrule Fittings		Thread	Tube OD	Material	Color	
		M6 -M6x1 U28 -1/4-28UNF	16-1.6mm 32-2.0~3.2mm	PV-PVDF AC-POM PS-PPS PK-PEEK	B-Black N-Natural	
Item Code	Model	Thread	Tube OD	Material	Color	Packaging
809797	HN6-M6-16-AC-B	M6	1.6mm	POM	Black	100pcs/pkg
809732	HN6-M6-16-PK-N	M6	1.6mm	PEEK	Natural	100pcs/pkg
809777	HN6-M6-16-PS-B	M6	1.6mm	PPS	Black	100pcs/pkg
809776	HN6-M6-16-PV-N	M6	1.6mm	PVDF	Natural	100pcs/pkg
809798	HN6-M6-32-AC-B	M6	2.0, 2.5, 3.0, 3.2mm	POM	Black	100pcs/pkg
809733	HN6-M6-32-PK-N	M6	2.0, 2.5, 3.0, 3.2mm	PEEK	Natural	100pcs/pkg
809779	HN6-M6-32-PS-B	M6	2.0, 2.5, 3.0, 3.2mm	PPS	Black	100pcs/pkg
809778	HN6-M6-32-PV-N	M6	2.0, 2.5, 3.0, 3.2mm	PVDF	Natural	100pcs/pkg
809800	HN6-U28-16-AC-B	1/4-28UNF	1.6mm	POM	Black	100pcs/pkg
809730	HN6-U28-16-PK-N	1/4-28UNF	1.6mm	PEEK	Natural	100pcs/pkg
809773	HN6-U28-16-PS-B	1/4-28UNF	1.6mm	PPS	Black	100pcs/pkg
809772	HN6-U28-16-PV-N	1/4-28UNF	1.6mm	PVDF	Natural	100pcs/pkg
809793	HN6-U28-32-AC-B	1/4-28UNF	2.0, 2.5, 3.0, 3.2mm	POM	Black	100pcs/pkg
809923	HN6-U28-32-PK-B	1/4-28UNF	2.0, 2.5, 3.0, 3.2mm	PEEK	Black	100pcs/pkg
809649	HN6-U28-32-PK-N	1/4-28UNF	2.0, 2.5, 3.0, 3.2mm	PEEK	Natural	100pcs/pkg
809775	HN6-U28-32-PS-B	1/4-28UNF	2.0, 2.5, 3.0, 3.2mm	PPS	Black	100pcs/pkg
809774	HN6-U28-32-PV-N	1/4-28UNF	2.0, 2.5, 3.0, 3.2mm	PVDF	Natural	100pcs/pkg

HNF6/Compact Ferrule Fittings

HNF6 - U28 - 16 - PV - N						
Compact Ferrule Fittings		Thread	Tube OD	Material	Color	
		M6 -M6x1 U28 -1/4-28UNF	16-1.6mm 20-2.0mm 25-2.5mm 30-3.0mm 32-3.2mm	PV-PVDF	B-Black N-Natural	
Item Code	Model	Thread	Tube OD	Material	Color	Packaging
809128	HNF6-M6-16-PS-B	M6	1.6mm	PPS	Black	100pcs/pkg
809148	HNF6-M6-20-PS-B	M6	2.0mm	PPS	Black	100pcs/pkg
809168	HNF6-M6-25-PS-B	M6	2.5mm	PPS	Black	100pcs/pkg
809158	HNF6-M6-30-PS-B	M6	3.0mm	PPS	Black	100pcs/pkg
809138	HNF6-M6-32-PS-B	M6	3.2mm	PPS	Black	100pcs/pkg
809127	HNF6-U28-16-PS-B	1/4-28UNF	1.6mm	PPS	Black	100pcs/pkg
809553	HNF6-U28-16-PS-U	1/4-28UNF	1.6mm	PPS	Blue	100pcs/pkg
809147	HNF6-U28-20-PS-B	1/4-28UNF	2.0mm	PPS	Black	100pcs/pkg
809554	HNF6-U28-20-PS-U	1/4-28UNF	2.0mm	PPS	Blue	100pcs/pkg
809167	HNF6-U28-25-PS-B	1/4-28UNF	2.5mm	PPS	Black	100pcs/pkg
809555	HNF6-U28-25-PS-U	1/4-28UNF	2.5mm	PPS	Blue	100pcs/pkg
809157	HNF6-U28-30-PS-B	1/4-28UNF	3.0mm	PPS	Black	100pcs/pkg
809137	HNF6-U28-32-PS-B	1/4-28UNF	3.2mm	PPS	Black	100pcs/pkg

HNE6/Compact Hex Ferrule Fitting

HNE6 - U28 - 32 - PV - N						
Compact Hex Ferrule Fitting		Thread	Tube OD	Material	Color	
		U28 -1/4-28UNF	32 -3 .2mm	PS -PPS	B-Black	
Item Code	Model	Thread Type	Tube OD	Material	Color	Packaging
809922	HNE6-U28-32-PS-B	1/4-28UNF	3.2mm	PPS	Black	100pcs/pkg

HNE/Long Standard Ferrule Fitting

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

CL-0X/Ferrule

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

CL-0/Ferrule

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

CL-0E/Ferrule

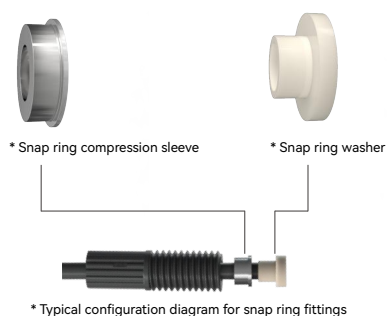
CL - 0E - 32 - ET - N					
Ferrule		Compatible Fitting	Tube OD	Material	Color
		HNE HNE6	32-3.2mm	ET -ETFE	N-Natural
Item Code	Model	Tube OD	Material	Color	Packaging
809928	CL-0-32-ET-N	3.2mm	ETFE	Natural	100pcs/pkg

Snap Ring Fittings



ⓘ Precautions

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

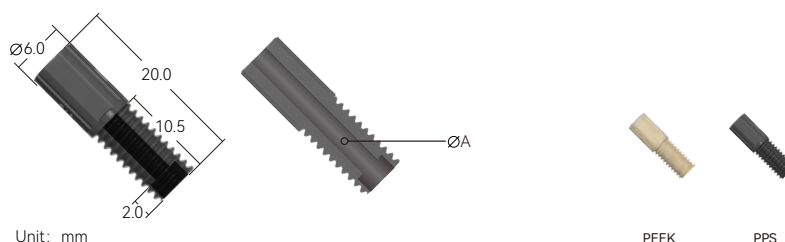


💡 Assembly Tips

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

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

HSF6/Compact Snap Ring Fittings

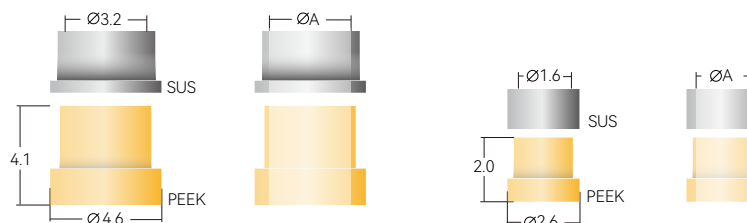


• HSF6/Compact Snap Ring Fittings

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

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

CL-1/Snap ring kit



• CL-1S Series

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

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

• CL-1X Series

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

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

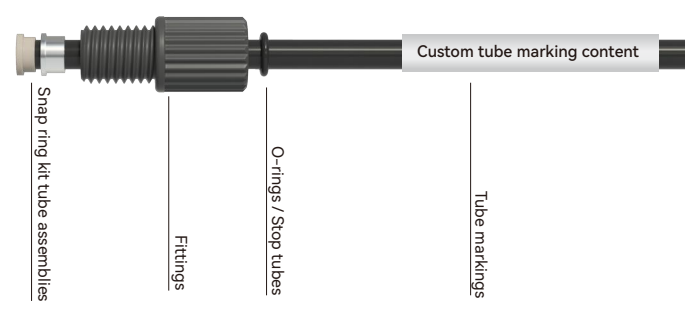
Snap ring fitting usage notes

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



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

Custom Snap Ring Kit Tube Assemblies



Snap ring kit tube assemblies

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

Rigid tubes

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

Snap ring kits

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

Fitting types

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

O-rings / Stop tubes

Locking fittings prevent sliding.

Tube markings

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

HSF6/Compact Snap Ring Fittings

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

CL-1/Snap Ring Kit

CL - 1S - 16						
Snap Ring Kit		Compatibility Types	Tube OD			
		1S-Snap ring kit (U28 & M6 Threads) 1X-Snap ring kit (U40 Threads)	16-1.6mm 20-2.0mm 25-2.5mm 30-3.0mm 32-3.2mm			
Item Code	Model	Compatibility types	Tube OD	Material	Color	Packaging
809801	CL-1S-16	1/4-28 UNF & M6x1 Threads	1.6mm	PEEK Gasket+SUS Snap ring housing	Natural	100pcs/pkg
809802	CL-1S-20	1/4-28 UNF & M6x1 Threads	2.0mm	PEEK Gasket+SUS Snap ring housing	Natural	100pcs/pkg
809803	CL-1S-25	1/4-28 UNF & M6x1 Threads	2.5mm	PEEK Gasket+SUS Snap ring housing	Natural	100pcs/pkg
809804	CL-1S-30	1/4-28 UNF & M6x1 Threads	3.0mm	PEEK Gasket+SUS Snap ring housing	Natural	100pcs/pkg
809805	CL-1S-32	1/4-28 UNF & M6x1 Threads	3.2mm	PEEK Gasket+SUS Snap ring housing	Natural	100pcs/pkg
809653	CL-1X-16	6-40UNF Threads	1.6mm	PEEK Gasket+SUS Snap ring housing	Natural	100pcs/pkg



High-Pressure Fittings

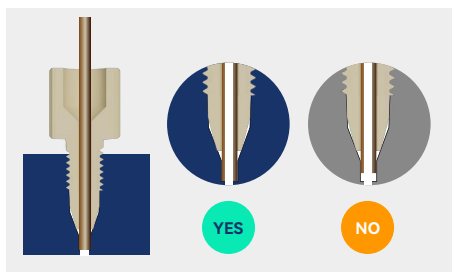
- Features integrated hand-tightening design enabling tool-free rapid assembly;
- Tapered surface structure ensures significantly enhanced connection reliability;
- For high-pressure fluidic connections: HPLC, UHPLC, UPLC, NanoLC;
- 1.6mm tube fitting, monolithic structure;
- Compatible with 10-32UNF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

⚠️ Precautions

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

💡 Assembly Tips

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



💡 Related Products

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

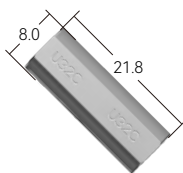


Item Code	Compatible Bit
956002	Al torque bit heads



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

PNC/High-Pressure Fittings

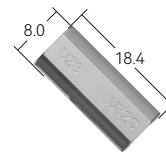


Unit: mm

• Pu/Female Threaded Straight

Compatible with 10-32UNF thread
0.75mm ID

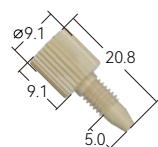
Model	PU-U32-16
Thread	10-32UNF



• Pu/Female Threaded Straight

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

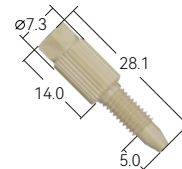
Model	PU-U32-U28-16
Thread	10-32UNF & 1/4-28UNF



• Pnc/Standard Fittings

Compatible with 1.6mm OD tubing
10-32UNF Thread

Model	PNC-U32-16
Thread	10-32UNF



• Pnc6/Compact Fittings

Compatible with 1.6mm OD tubing
10-32UNF Thread

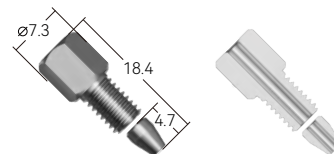
Model	PNC6-U32-16
Thread	10-32UNF



• Put/Female Threaded Tee

Compatible with 10-32UNF thread
0.5mm ID

Model	PNT-U32
Thread	10-32UNF



• Pnf/Ferrule Fitting Kits

Compatible with 1.6mm OD tubing
10-32UNF thread

Model	PNF-U32-16
Thread	10-32UNF

P/High-Pressure Fittings

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

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



Hose Fitting

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

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

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

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

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

27

Barbed Fittings

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

39

Panel Mount
Barbed Fittings

Includes panel mount
barbed fittings and
matching hex nuts

41

Thread to Barbed
Fittings

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

47

Female Thread to
Barb Fittings

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

Barbed Fittings



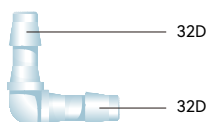
- Our products cover straight-through, T-type, Y-type, L-type, cross, and π -type structures. They are divided into equal-diameter (constant cross-section) and unequal-diameter (variable cross-section) types based on tube diameter. Typical ones include equal-diameter straight-through, unequal-diameter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

⚠ Precautions

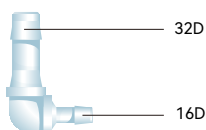
1. During use, note applicable tubing types and size ranges to ensure compatibility with connected hoses.
2. Select fitting materials compatible with conveyed fluid properties and operating environment.
3. During installation/use, protect fitting barbs from scratches or damage to prevent compromised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

💡 Model Selection Guide

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



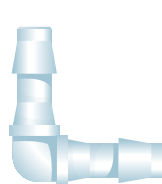
2. Definition of reducer barb: smaller size is indicated first, eg: BL-16D-32D-PP-N



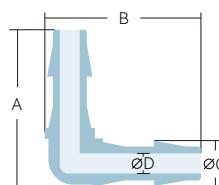
3. The letter suffix after the size represents the different shapes of barbs, as shown in the following table:

Barb Shape	Barb Code	Expansion Rate	Compatibility
	C	42%~69%	Classic Series
	F	25%~32%	400 Series
	D	24%~50%	200 Series
	V	32%~60%	500 Series
	X	32%~50%	600 Series

BL/Elbow



Unit: mm



PP

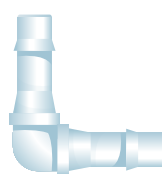


PA

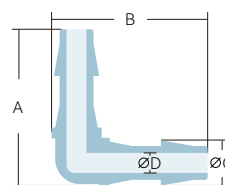
• C/D/V/X Elbow

Compatible with 1.6~12.7mm ID

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



Unit: mm



PP



PA

• F Elbow

Compatible with 1.6~6.4mm ID

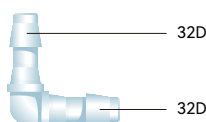
Model	ID	A	B	C	D
BL-16F	1.6	6.8	6.8	2.0	1.1
BL-24F	2.4	10.2	10.2	3.0	1.7
BL-32F	3.2	14.0	14.0	4.0	2.4
BL-40F	4.0	16.0	16.0	5.0	3.0
BL-64F	6.4	27.7	27.7	8.0	4.7

ⓘ Precautions

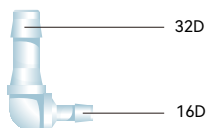
1. During use, note applicable tubing types and size ranges to ensure compatibility with connected hoses.
2. Select fitting materials compatible with conveyed fluid properties and operating environment.
3. During installation/use, protect fitting barbs from scratches or damage to prevent compromised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

💡 Model Selection Guide

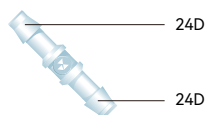
1. Definition of equal barb, eg: BL-32D-32D-PP-N is abbreviated as BL-32D-PP-N



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



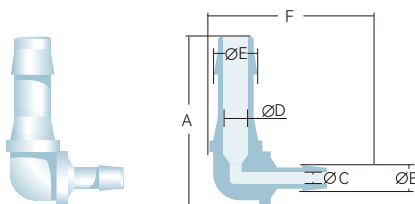
3. Definition of equal barb, eg: BA-24D-24D-PP-N is abbreviated as BA-24D-PP-N



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

Barb Shape	Barb Code	Expansion Rate	Compatibility
	C	42%~69%	Classic Series
	F	25%~32%	400 Series
	D	24%~50%	200 Series
	V	32%~60%	500 Series
	X	32%~50%	600 Series

BL/Elbow Reducer



Unit: mm

PP

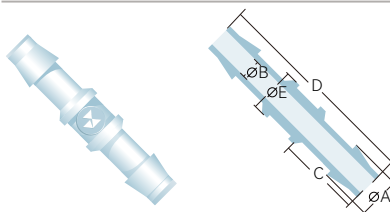
PA

• C/D/V/X Elbow Reducer

Compatible with 1.6-3.2mm ID

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

BA/Straight Through



Unit: mm

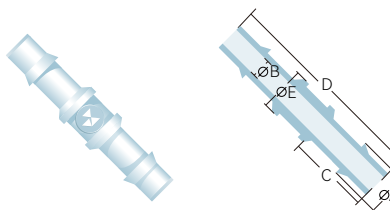
PP

PA

• C/D/V/X Straight Through

Compatible with 1.6-6.4mm ID

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



Unit: mm

PP

PA

• F Straight Through

Compatible with 1.6-4.0mm ID

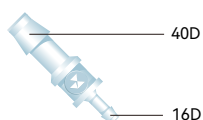
Model	ID	A	B	C	D	E
BA-16F	1.6	2.0	1.1	4.0	11.0	2.8
BA-24F	2.4	3.0	1.7	6.2	16.7	4.2
BA-32F	3.2	4.0	2.4	8.35	23.0	6.35
BA-40F	4.0	5.3	3.2	9.5	25.0	6.35

Assembly Tips

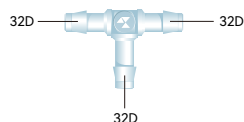
1. During use, note applicable tubing types and size ranges to ensure compatibility with connected hoses.
2. Select fitting materials compatible with conveyed fluid properties and operating environment.
3. During installation/use, protect fitting barbs from scratches or damage to prevent compromised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

Model Selection Guide

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



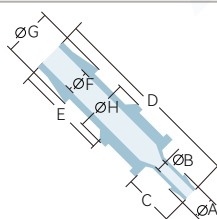
2. Definition of equal barb, eg: BT-32D-32D-32D-PP-N is abbreviated as BT-32D-PP-N



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

Barb Shape	Barb Code	Expansion Rate	Compatibility
	C	42%~69%	Classic Series
	F	25%~32%	400 Series
	D	24%~50%	200 Series
	V	32%~60%	500 Series
	X	32%~50%	600 Series

BA/Straight Through Reducer



Unit: mm

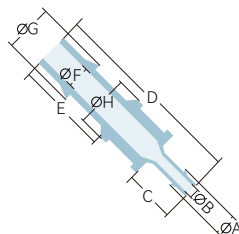
PP

PA

• C/D/V/X Straight Through Reducer

Compatible with 1.6-12.7mm ID

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



Unit: mm

PP

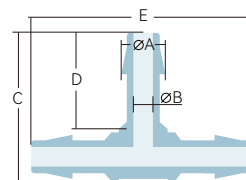
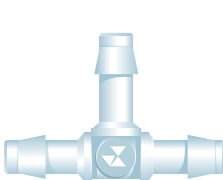
PA

• Straight Through Reducer

Compatible with 1.6-3.2mm ID

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

BT/ Tee



Unit: mm

PP

PA

• C/D/V/X Tee

Compatible with 1.6-12.7mm ID

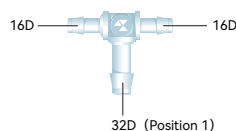
Model	ID	A	B	C	D	E
BT-16D	1.6	2.4	1.2	7.8	5.0	12.7
BT-24D	2.4	3.5	1.7	11.5	7.3	18.8
BT-32D	3.2	4.5	2.4	15.2	10.0	25.2
BT-40C	4.0	5.7	3	17.5	11.0	28.5
BT-64C	6.4	8.5	4.7	29.0	18.0	47.0
BT-95X	9.5	11.5	7.0	38.0	24.0	62.0
BT-127V	12.7	15.6	9.0	53.8	29.5	84.0

Assembly Tips

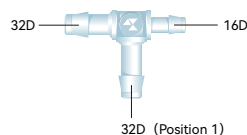
- During use, note applicable tubing types and size ranges to ensure compatibility with connected hoses.
- Select fitting materials compatible with conveyed fluid properties and operating environment.
- During installation/use, protect fitting barbs from scratches or damage to prevent compromised sealing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

Model Selection Guide

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

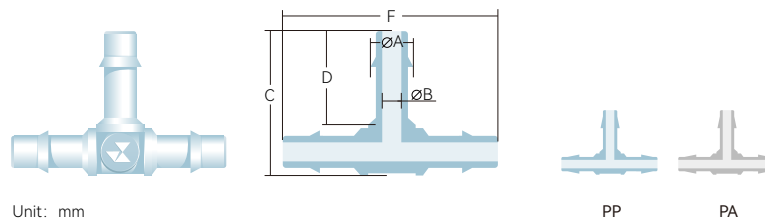


- Definition of unequal-diameter barbs with inconsistent left/right barbs: Position 1 is listed first. If the size matches Position 1, it's placed at Position 2, eg: BT-32D-32D-16D-PP-N



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

Barb Shape	Barb Code	Expansion Rate	Compatibility
	C	42%~69%	Classic Series
	F	25%~32%	400 Series
	D	24%~50%	200 Series
	V	32%~60%	500 Series
	X	32%~50%	600 Series



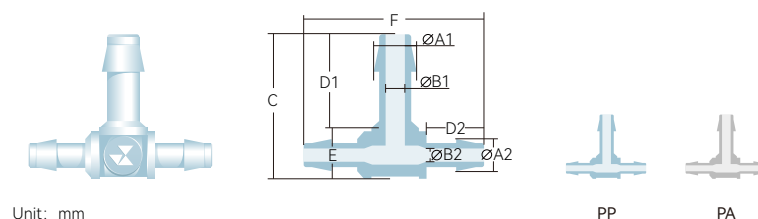
Unit: mm

• F Tee

Compatible with 1.6-3.2mm ID

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

BT/ Tee Reducer

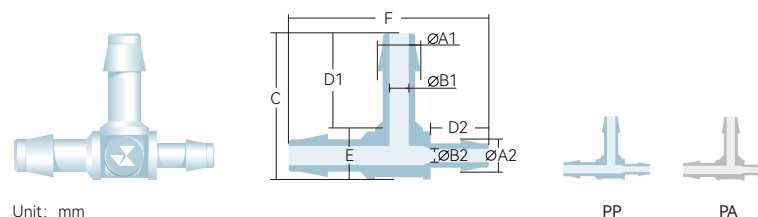


Unit: mm

• F Tee Reducer

Compatible with 1.6-9.5mm ID

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



Unit: mm

• C/D/V/X Tee Reducer

Compatible with 1.6-6.4mm ID

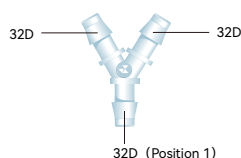
Model	ID	A1	A2	B1	B2	C	D1	D2	E	F
BT-24D-24D-16D	2.4 & 2.4 & 1.6	3.5	2.4	1.7	1.1	11.3	7.3	5.0	4.0	16.3
BT-32D-32D-16D	3.2 & 3.2 & 1.6	4.5	2.4	2.4	1.1	15.6	10.0	5.0	5.6	20.6
BT-32D-32D-24D	3.2 & 3.2 & 2.4	4.5	3.5	2.4	1.7	15.6	10.0	7.3	5.6	22.9
BT-64D-64D-32D	6.4 & 6.4 & 3.2	8.5	4.5	4.7	2.4	29.0	18.0	10.0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

Assembly Tips

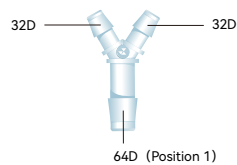
1. During use, note applicable tubing types and size ranges to ensure compatibility with connected hoses.
2. Select fitting materials compatible with conveyed fluid properties and operating environment.
3. During installation/use, protect fitting barbs from scratches or damage to prevent compromised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

Model Selection Guide

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



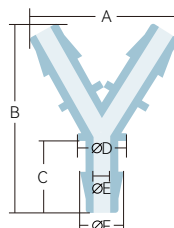
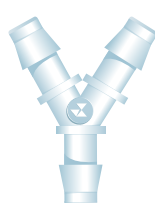
2. Definition of reducing barb: No.1 position in front, eg: BL-64D-32D-32D-PP-N



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

Barb Shape	Barb Code	Expansion Rate	Compatibility
	C	42%~69%	Classic Series
	F	25%~32%	400 Series
	D	24%~50%	200 Series
	V	32%~60%	500 Series
	X	32%~50%	600 Series

BY/Y



Unit: mm



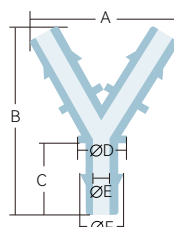
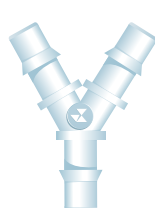
PP

PA

• C/D/V/X Y

Compatible with 1.6-12.7mm ID

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



Unit: mm



PP

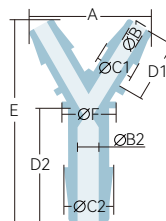
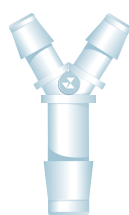
PA

• F Y

Compatible with 1.6-6.4mm ID

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

BY/Y Reducer



Unit: mm



PP

PA

• C/D/V/X Y

Compatible with 1.6-6.4mm ID

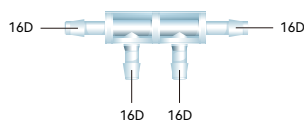
Model	ID	A	B1	B2	C1	C2	D1	D2	E	F
BY-24D-16D-16D	2.4 & 1.6 & 1.6	9.92	1.1	1.1	2.4	3.5	5.0	7.3	15.7	3.8
BY-32D-16D-16D	3.2 & 1.6 & 1.6	9.8	1.2	2.4	2.4	4.5	5.0	10.0	18.3	5.0
BY-64D-32D-32D	6.4 & 3.2 & 3.2	18.31	4.7	4.7	4.5	8.5	10.0	16.7	31.86	9.0

Assembly Tips

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

Model Selection Guide

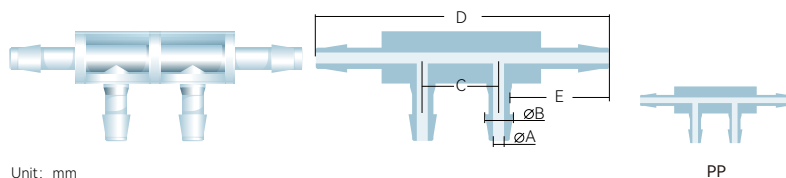
1. Definition of equal barb, eg: BF4-16D-16D-16D-16D-PP-N is abbreviated as BF4-16D-PP-N



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

Barb Shape	Barb Code	Expansion Rate	Compatibility
	C	42%~69%	Classic Series
	F	25%~32%	400 Series
	D	24%~50%	200 Series
	V	32%~60%	500 Series
	X	32%~50%	600 Series

BF4/ π-Multiport



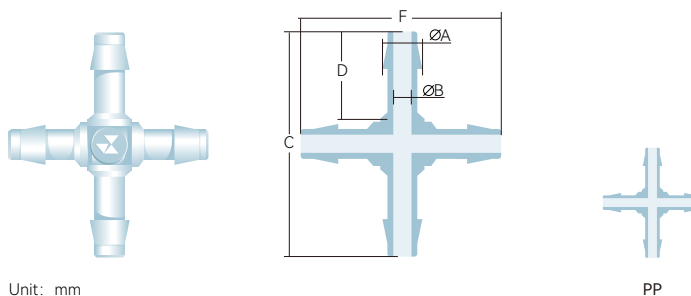
Unit: mm

• D π-Multiport

Compatible with 1.6~4.8mm ID

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

BFX/ Crossing-Multiport



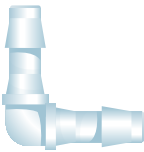
Unit: mm

• D Crossing-Multiport

Compatible with 1.6~3.2mm ID

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

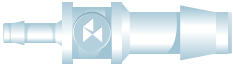
BL/ Elbow

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

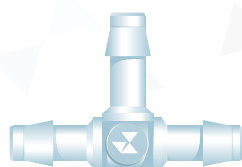
Item Code	Model	Barb 1 ID	Barb 2 ID	Material	Color	Packaging
809633	BL-16D-PA-W	1.6mm	1.6mm	PA	White	100pcs/pkg
809632	BL-16D-PP-N	1.6mm	1.6mm	PP	Natural	100pcs/pkg
809345	BL-16F-PA-W	1.6mm	1.6mm	PA	White	100pcs/pkg
809357	BL-16F-PP-N	1.6mm	1.6mm	PP	Natural	100pcs/pkg
809639	BL-16D-24D-PA-W	1.6mm	2.4mm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

BA/Straight Through

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

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

BT/ Tee



BT

- 64F

- 32F

- 32F

- PP

- N

Tee

Barb 1 ID

Barb 2 ID

Barb 3 ID

Material

Color

16 -1.6mm
24 -2.4mm
32 -3.2mm
40 -4.0mm
48 -4.8mm
64 -6.4mm
79 -7.9mm
95 -9.5mm
127-12.7mm

16 -1.6mm
24 -2.4mm
32 -3.2mm
40 -4.0mm
48 -4.8mm
64 -6.4mm
79 -7.9mm
95 -9.5mm
127-12.7mm

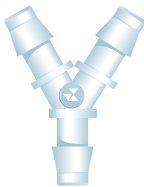
16 -1.6mm
24 -2.4mm
32 -3.2mm
40 -4.0mm
48 -4.8mm
64 -6.4mm
79 -7.9mm
95 -9.5mm
127-12.7mm

PA -PA
PP -PP

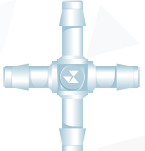
N -Natural
W -White

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

BY/Y

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

BF4/ Multiport

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



⚠ Precautions

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

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

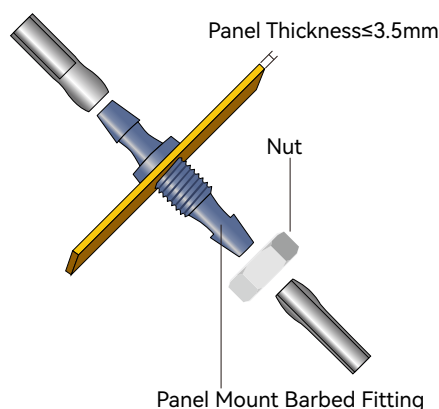
💡 Assembly Tips: PMB

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

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

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

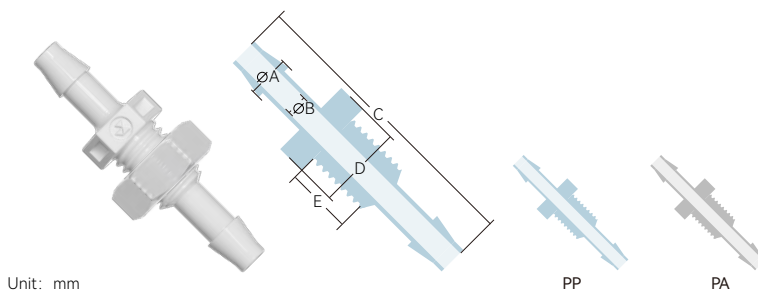
4. After assembly, perform a pressure test to check for leaks between the fitting/panel and hose/barbs.



Panel Mount Barbed Fittings

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

PMB/Panel Mount Barbed Fitting



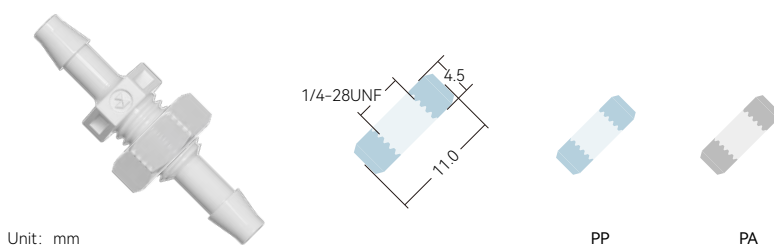
Unit: mm

• PMB/Panel Mount Barbed Fitting

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

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

PMBSN/Hex Nut

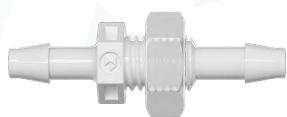


Unit: mm

• PMBSN/Hex Nut

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

PMB/Panel Mount Barbed Fitting

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

PMBSN/Hex Nut

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

Thread to Barbed Fittings



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

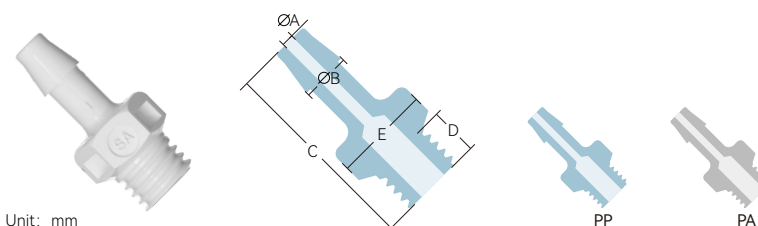
ⓘ Precautions

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

💡 Assembly Tips

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

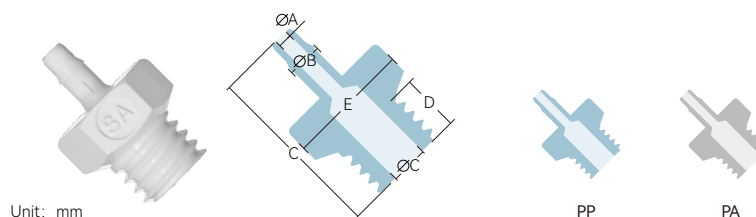
SA/Thread Seal Thread to Barbed



• C/D/V/X Thread to Barbed

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

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



• F Thread to Barbed

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

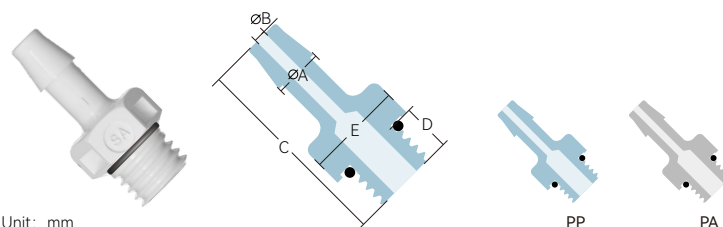
Model	ID	A	B	C	D	E
SA-U32-16F	1.6	1.1	2.0	10.5	3.3	6.35
SA-U32-24F	2.4	1.7	3.0	12.7	3.3	6.35
SA-U32-32F	3.2	2.4	4.0	15.0	3.3	6.35

ⓘ Precautions

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

💡 Assembly Tips

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



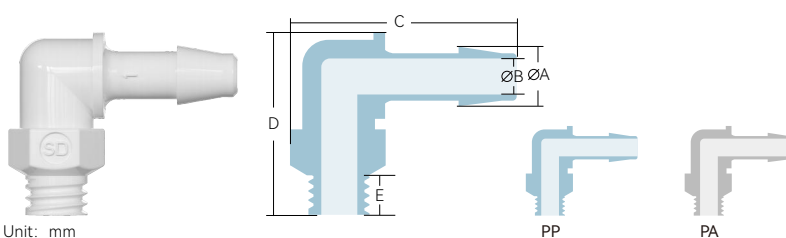
Unit: mm

• Thread Seal Thread to Barbed

Compatible with 4.0-6.4mm ID
G1/8 Thread

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

SAL/Thread Seal Elbow Thread to Barbed



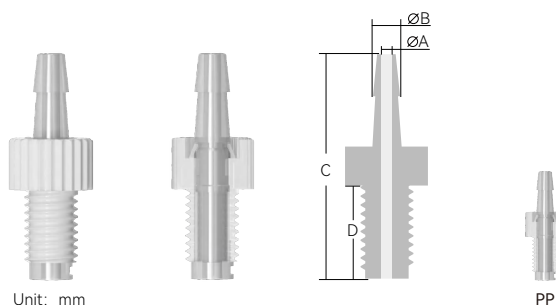
Unit: mm

• Thread Seal Thread to Barbed

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

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

SBR/Rotary Straight Through Thread to Barbed



Unit: mm

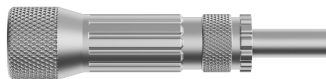
• Rotary Straight Through Thread to Barbed

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

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

Related Products

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



Item Code	Compatible Bit
956002	All torque bit heads



Item Code	Compatible Fitting
959006	HNF/Standard Ferrule Fittings



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

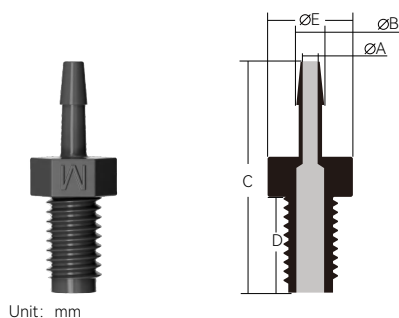
2. Use with electric screwdrivers for rapid fitting assembly/disassembly.



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

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

SB/Bottom - Face Sealing Thread to Barbed

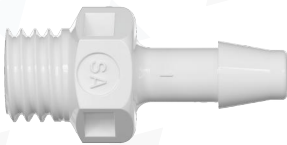


Bottom - Face Sealing Thread to Barbed

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

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

SA/Thread Seal Thread to Barbed

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

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

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

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

SB/ Thread to Barbed

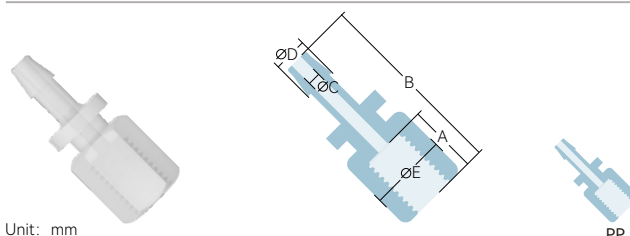
SB		S	- U28	- 16	- PP	- N	
Bottom - Face Sealing Thread to Barbed		Type	Thread	ID	Material	Color	
		/ -Straight Through S-Straight Through Short R-Straight Through Rotary	U28 -1/4-28UNF M5 -M5x0.8 M6 -M6x1	16 -1.6mm 24 -2.4mm 32 -3.2mm 40 -4.0mm	PA -PA PP -PP PV -PVDF AC -POM	N -Natural W -White B -Black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

Female Thread to barb Fittings



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

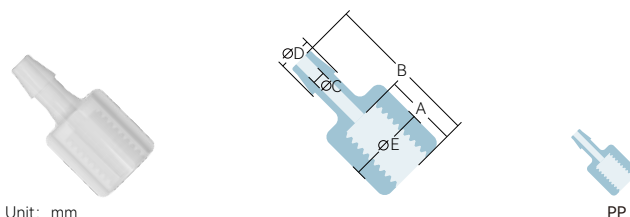
SC/Female Thread to barb Fittings



Unit: mm

• Female Thread to barb Fittings

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



Unit: mm

• Female Thread to barb Fittings

Compatible with 1.6-3.2mm ID
M6x1 Female Thread

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

SC/Female Thread to Barb Fittings

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

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



Luer Fittings

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

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

50

Male Luer Fittings

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

58

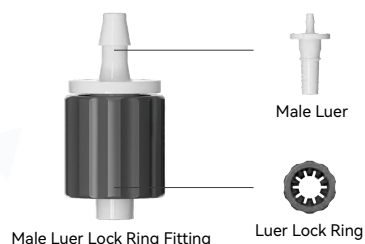
Female Luer
Fittings

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

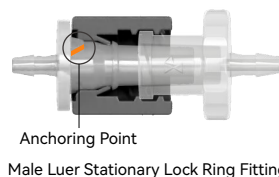
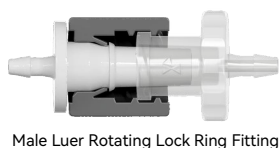


Differentiated Male Luer Fittings

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



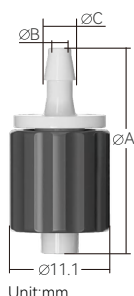
3. The Male Luer Lock Ring Fitting is categorized into stationary and rotating types based on the relative position between the Male Luer and the Luer Lock Ring. The Male Luer Stationary Lock Ring Fitting has two anchoring points; once aligned and connected, it cannot rotate.



Male Luer Fittings

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

LPR/Male Luer Rotating Lock Ring Fitting



PP



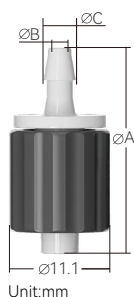
PA

• LPR/Male Luer Rotating Lock Ring Fitting

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

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

LPS/Male Luer Stationary Lock Ring Fitting



PP



PA

• LPS/Male Luer Stationary Lock Ring Fitting

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

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

Assembly Instructions

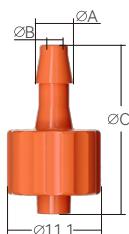
1. The Panel Mount Lock Nut is available in 8 color options.

O Orange R Red U Blue

Y Yellow B Black W White

N Natural G Green

LP/Male Luer Integral Lock Ring Fitting



Unit:mm



PP



PA

• LP/Male Luer Integral Lock Ring

Compatible with tube ID 1.6~3.2mm

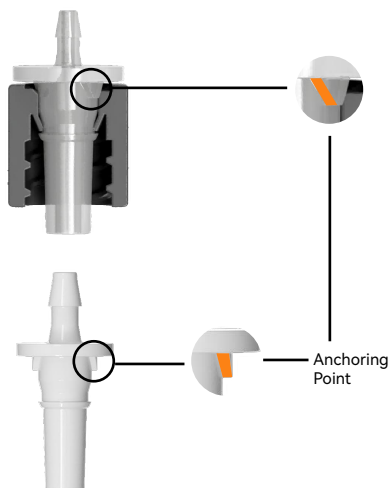
Available in 8 colors

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

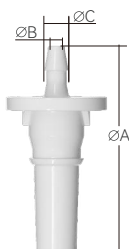
Assembly Instructions

1. The Male Luer cannot be connected independently and must be used with the Luer Lock Ring.

2. Configuration of Male Luer Stationary Lock or Rotating Lock is achieved through Male Luer selection.



LSL/Male Luer Stationary Lock



Unit:mm



PP



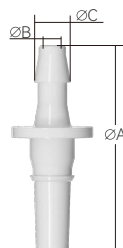
PA

• LSL/Male Luer Stationary Lock

Compatible with tube ID 1.6~3.2mm

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

LRL/Male Luer Rotating Lock



Unit:mm



PVDF



PP



PA

• LRL/Male Luer Rotating Lock

Compatible with tube ID 1.6~3.2mm

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

Assembly Instructions

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

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

Related Products

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

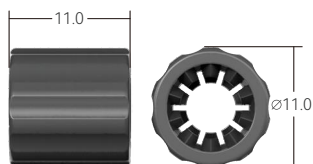


Item Code	Compatible Bit
956002	All torque bit heads



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

LPT/Luer Lock Ring



Unit:mm

• LPT/Luer Lock Ring

Available in 9 colors



PA



PP

LPR/Male Luer Rotating Lock Ring Fitting

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

LPR

- 32

- PP

- N

Male Luer Rotating Lock Ring Fitting



Tube ID

16-1.6mm
24-2.4mm
32-3.2mm

Material

PP -PP

Color

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

Item Code

Model

Tube ID

Material

Color

Packaging

809688

LPR-32-PP-N

3.2mm

PP

Natural

100pcs/pkg

809694

LPR-32-PP-O

3.2mm

PP

Orange

100pcs/pkg

809690

LPR-32-PP-B

3.2mm

PP

Black

100pcs/pkg

809691

LPR-32-PP-R

3.2mm

PP

Red

100pcs/pkg

809695

LPR-32-PP-Y

3.2mm

PP

Yellow

100pcs/pkg

809693

LPR-32-PP-U

3.2mm

PP

Blue

100pcs/pkg

809692

LPR-32-PP-G

3.2mm

PP

Green

100pcs/pkg

LPS/Male Luer Stationary Lock Ring Fitting

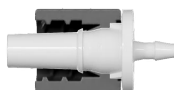
LPS

- 32

- PP

- N

Male Luer Stationary Lock Ring Fitting



Tube ID

16-1.6mm
24-2.4mm
32-3.2mm

Material

PP -PP

Color

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

Item Code

Model

Tube ID

Material

Color

Packaging

809130

LPS-16-PP-W

1.6mm

PP

White

100pcs/pkg

809669

LPS-16-PP-N

1.6mm

PP

Natural

100pcs/pkg

809169

LPS-16-PP-O

1.6mm

PP

Orange

100pcs/pkg

809149

LPS-16-PP-B

1.6mm

PP

Black

100pcs/pkg

809150

LPS-16-PP-R

1.6mm

PP

Red

100pcs/pkg

809170

LPS-16-PP-Y

1.6mm

PP

Yellow

100pcs/pkg

809160

LPS-16-PP-U

1.6mm

PP

Blue

100pcs/pkg

809159

LPS-16-PP-G

1.6mm

PP

Green

100pcs/pkg

809188

LPS-24-PP-W

2.4mm

PP

White

100pcs/pkg

809670

LPS-24-PP-N

2.4mm

PP

Natural

100pcs/pkg

809272

LPS-24-PP-O

2.4mm

PP

Orange

100pcs/pkg

809260

LPS-24-PP-B

2.4mm

PP

Black

100pcs/pkg

809261

LPS-24-PP-R

2.4mm

PP

Red

100pcs/pkg

809273

LPS-24-PP-Y

2.4mm

PP

Yellow

100pcs/pkg

809271

LPS-24-PP-U

2.4mm

PP

Blue

100pcs/pkg

809270

LPS-24-PP-G

2.4mm

PP

Green

100pcs/pkg

809274

LPS-32-PP-W

3.2mm

PP

White

100pcs/pkg

809671

LPS-32-PP-N

3.2mm

PP

Natural

100pcs/pkg

809281

LPS-32-PP-O

3.2mm

PP

Orange

100pcs/pkg

809139

LPS-32-PP-B

3.2mm

PP

Black

100pcs/pkg

809275

LPS-32-PP-R

3.2mm

PP

Red

100pcs/pkg

809282

LPS-32-PP-Y

3.2mm

PP

Yellow

100pcs/pkg

809140

LPS-32-PP-U

3.2mm

PP

Blue

100pcs/pkg

809280

LPS-32-PP-G

3.2mm

PP

Green

100pcs/pkg

LP/Male Luer Integral Lock Ring Fitting

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

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

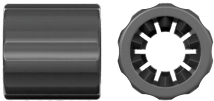
LSL/Male Luer Stationary Lock

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

LRL/Male Luer Rotating Lock

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

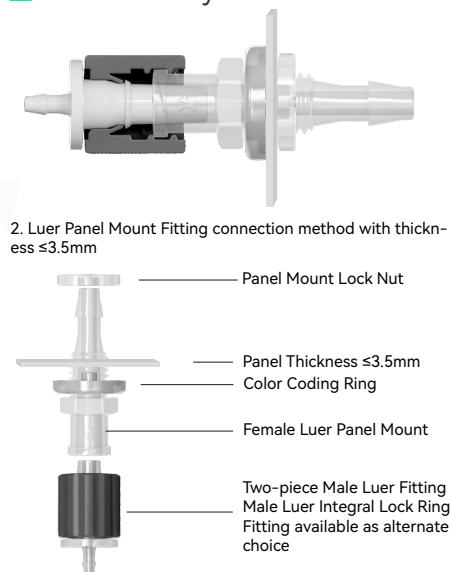
LPT/Luer Lock Ring

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

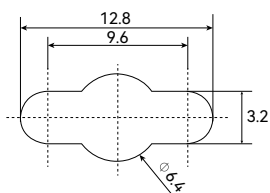
Item Code	Model	Material	Color	Packaging
809588	LPT-PA-W	PA	White	100pcs/pkg
809587	LPT-PP-N	PP	Natural	100pcs/pkg
809857	LPT-PA-O	PA	Orange-yellow	100pcs/pkg
809593	LPT-PA-O	PA	Orange	100pcs/pkg
809589	LPT-PA-B	PA	Black	100pcs/pkg
809590	LPT-PA-R	PA	Red	100pcs/pkg
809594	LPT-PA-Y	PA	Yellow	100pcs/pkg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



Luer Assembly Instructions

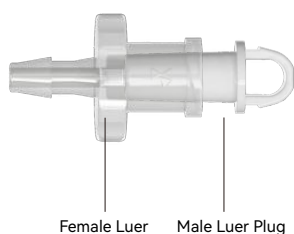


3. Female Luer Panel Mount Fitting shall be used with matching Color Coding Ring. Panel drilling is required prior to connector mating. Please see the dimension below:



Unit:mm

选型提示



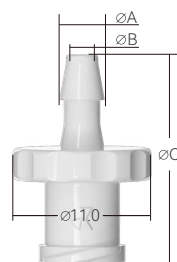
Item Code	Male Luer Plug Model
809409	LPBL-PA-W
809286	LPBL-PP-N



Female Luer Fitting

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

LS/Female Luer Integral Fitting



Unit:mm

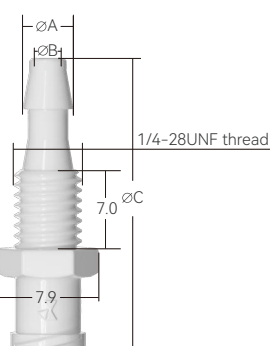


LS/Female Luer Integral Fitting

Compatible with tube ID 1.6~3.2mm

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

PMLS/Female Luer Panel Mount Fitting



Unit:mm



PMLS/Female Luer Panel Mount Fitting

Compatible with tube ID 1.6~3.2mm

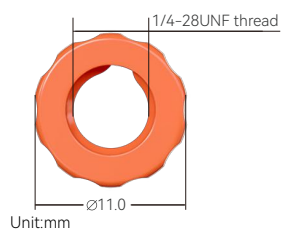
Model	Tube ID	A	B	C
PMLS-U28-16	1.6	2.4	1.2	20.9
PMLS-U28-24	2.4	3.5	1.7	23.3
PMLS-U28-32	3.2	3.2	2.4	25.9

Assembly Instructions

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

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

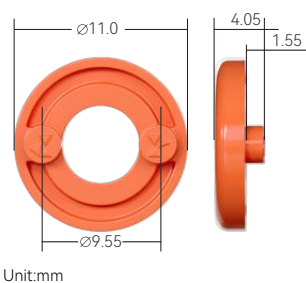
LNS/Panel Mount Lock Nut



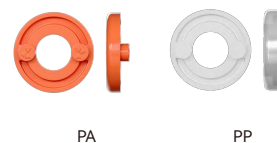
- **LNS/Panel Mount Lock Nut**
1/4-28UNF Thread
Available in 9 colors



LCR/Color Coding Ring



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



LS/Female Luer Integral Fitting

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

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

PMLS/Female Luer Panel Mount Fitting

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

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

LNS/Panel Mount Lock Nut

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

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

LCR/Color Coding Ring

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

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



Quick Disconnect Couplings

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

Product Range

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

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

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

Broad compatibility with mainstream products on the market

63**Q20**

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

71**Q40**

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

77**Q60**

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



Q20 Series

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

① Basic parameters

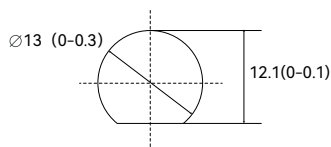
Series		Q20-POM	Q20-PP
CPC Model		PMC series	PMC 12 series
Linktech Model		20 AC series	20 PP series
Applicable conditions	Work Pressure	120 psi(8.3bar)	120 psi(8.3bar)
	Work temperature	-40°C~82°C	0°C~71°C
	Tube ID	1/16"(1.6mm)~1/4"(6.4mm)	
	Threaded port	Male thread 1/8-27NPT and Female thread 1/4-28UNF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

*Sealing ring: Customizable FKM material

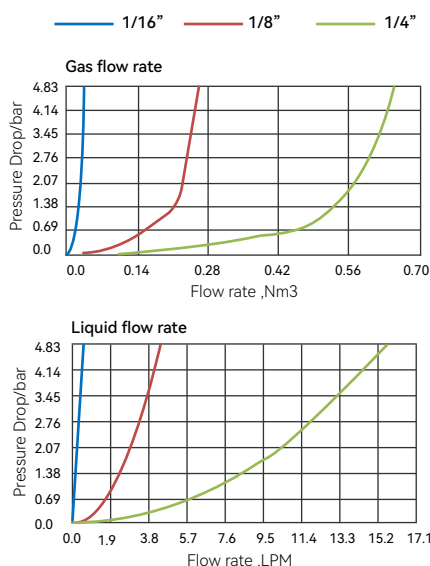
① Assembly tips

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

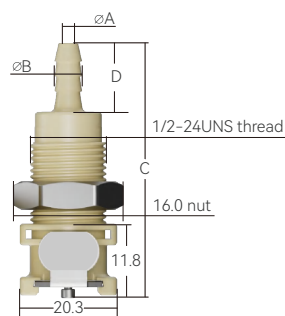
Unit: mm



① Q20 Series flow coefficient



Q20 Series Female



Unit: mm



Non-valved



Valved



PP



POM

• Q20/ Panel Mount Female

Adapt to 1.6-4.8mm tube ID

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



Unit: mm



Non-valved



Valved



PP



POM

• Q20/ Female

Adapt to 1.6-4.8mm tube ID

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

Basic parameters

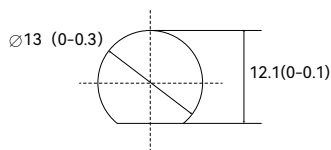
Series		Q20-POM	Q20-PP
CPC Model		PMC series	PMC 12 series
Linktech Model		20 AC series	20 PP series
Applicable conditions	Work Pressure	120 psi(8.3bar)	120 psi(8.3bar)
	Work temperature	-40°C~82°C	0°C~71°C
	Tube ID	1/16"(1.6mm)~1/4"(6.4mm)	
	Threaded port	Male thread 1/8-27NPT and Female thread 1/4-28UNF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

*Sealing ring: Customizable FKM material

Assembly tips

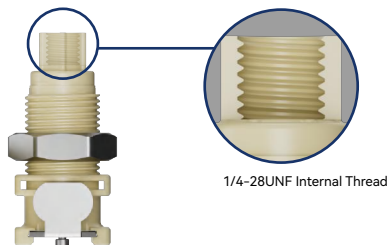
Panel Mount Size	Panel Mount Thread	1/2-24UNS
	Hexagon nut size	5/8"(16mm)
	Recommended panel mount holes	12.7~13mm

Unit: mm

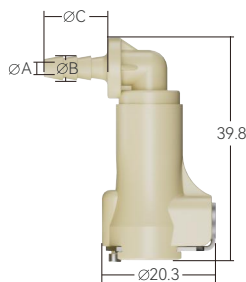
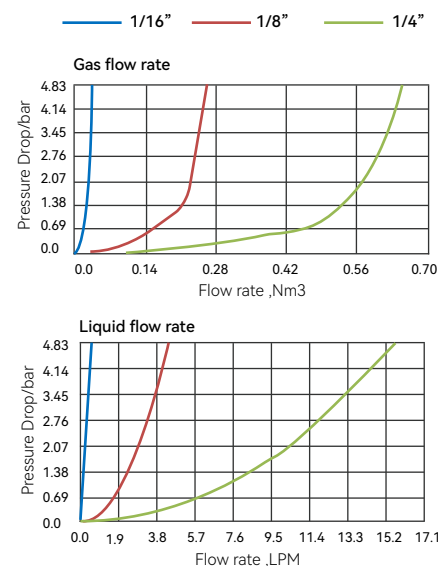


Assembly tips

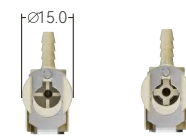
1.Q2028U series is female thread and the port is 1/4-28UNF female thread.



Q20 Series flow coefficient



Unit: mm



Non-valved Valved



PP POM

• Q20/ Female

Adapt to 2.4-4.8mm tube ID

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



Unit: mm



Non-valved Valved

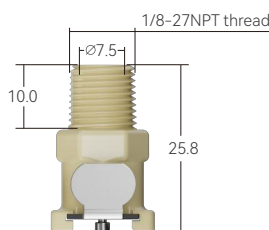


PP POM

• Q20/ Female

Adapt to 1/8-27NPT thread

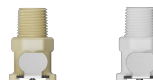
Model	Thread
Q2018N-SNV(X)-S	1/8-27NPT



Unit: mm



Non-valved Valved

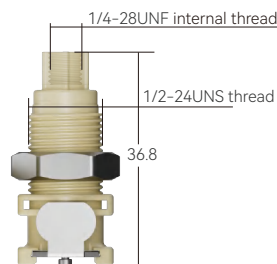


PP POM

• Q20/ Female

Adapt to 1/8-27NPT thread

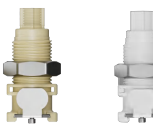
Model	Thread
Q2018T-SMV(X)-S	1/8-27NPT



Unit: mm



Valved



PP POM

• Q20/ Panel Mount Female

Adapt to 1/4-28UNF internal thread

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

① Basic parameters

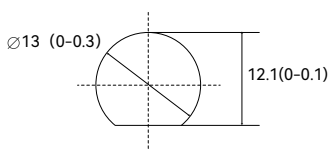
Series		Q20-POM	Q20-PP
CPC Model		PMC series	PMC 12 series
Linktech Model		20 AC series	20 PP series
Applicable conditions	Work Pressure	120 psi(8.3bar)	120 psi(8.3bar)
	Work temperature	-40°C~82°C	0°C~71°C
	Tube ID	1/16"(1.6mm)~1/4"(6.4mm)	
	Threaded port	Male thread 1/8-27NPT and Female thread 1/4-28UNF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

*Sealing ring: Customizable FKM material

① Assembly tips

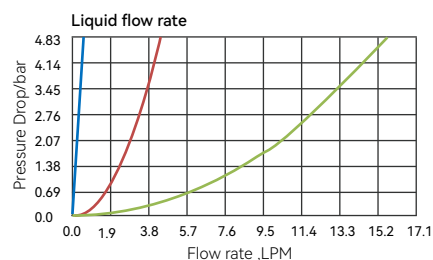
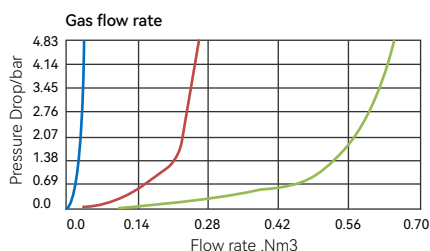
Panel Mount Size	Panel Mount Thread	1/2-24UNS
	Hexagon nut size	5/8"(16mm)
	Recommended panel mount holes	12.7~13mm

Unit: mm

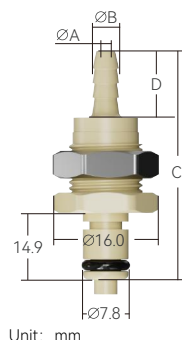


① Q20 Series flow coefficient

— 1/16" — 1/8" — 1/4"



Q20 Series Male



Unit: mm



Non-valved



Valved



PP

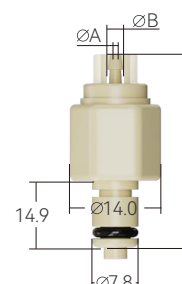


POM

• Q20/ Panel Mount Male

Adapt to 1.6~4.8mm tube ID

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



Unit: mm



Valved



PP

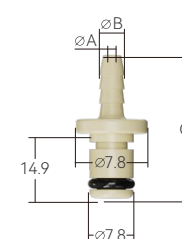


POM

• Q20/ Male

Adapt to 1.6~4.8mm tube ID

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



Unit: mm



Non-valved



PP



POM

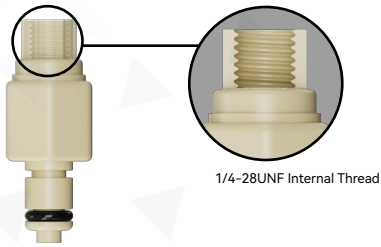
• Q20/ Panel Mount Male

Adapt to 1.6~4.8mm tube ID

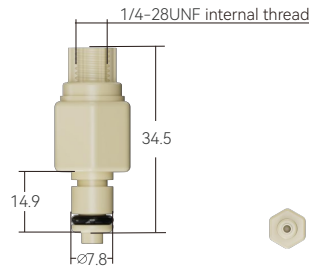
Model	Tube ID	A	B	C
Q2001-PNX-S	1.6	1.2	2.4	18.9
Q2002-PNX-S	2.4	2.4	4.5	25.3
Q2003-PNX-S	3.2	3.2	6.05	29.3
Q2004-PNX-S	4.8	4.7	7.9	30.3

Assembly tips

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



1/4-28UNF Internal Thread



Unit: mm

Valved



PP



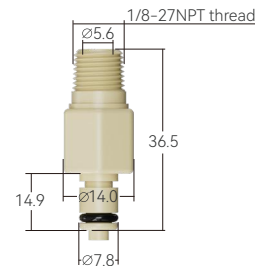
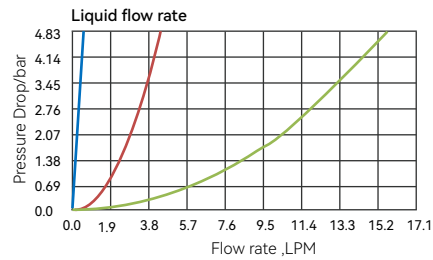
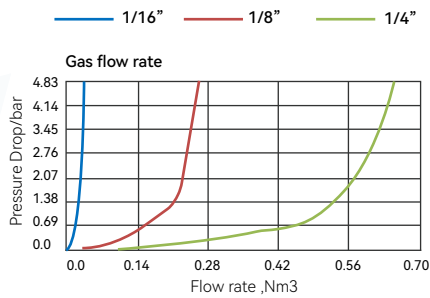
POM

Q20/ Male

Adapt to 1/4-28UNF internal thread

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

Q20 Series flow coefficient



Unit: mm

Valved



PP

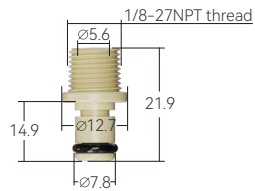


POM

Q20/ Male

Adapt to 1/8-27NPT thread

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



Unit: mm

Non-valved



PP

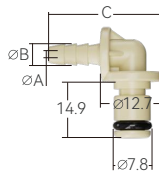


POM

Q20/ Male

Adapt to 1/8-27NPT thread

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



Unit: mm

Non-valved



PP



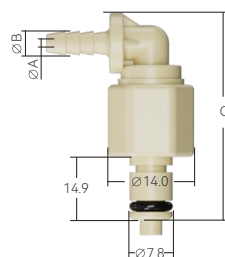
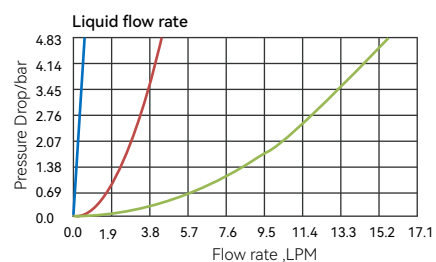
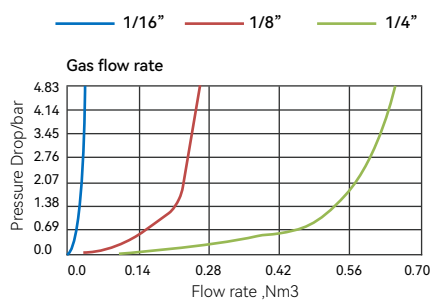
POM

Q20/ Male

Adapt to 2.4-4.8mm Tube ID

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

Q20 Series flow coefficient



Unit: mm



Valved



PP



POM

• Q20/ Male

Adapt to 2.4-14.8mm Tube ID

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

Q20/ Quick Disconnect Coupling



Q20 - 02 - P - M - V - S - PP - E									
Q20 Quick Disconnect Coupling	Tube OD Or Thread	Male/Female	Panel Mount	Valved	Shape	Housing Material	Sealing Ring Material		
	01 -1/16"(1.6mm)	P -Male	M -Yes	V -Yes	S -In-line	PP-PP	N-NBR		
	02 -1/8" (3.2mm)	S -Female	N -No	X -No	L -Elbow	AC-POM	E -EPDM		
	03 -3/16"(4.8mm)								
	04 -1/4" (6.4mm)								
	18N -1/8-27NPT								
	18T -1/8-27NPT								
	28U -1/4-28UNF								
Product Code	Model	Tube ID Or Thread	Male/Female	Panel Mount	Valved	Shape	Housing Material	Sealing Ring Material	Package
839041	Q2001-PMV-SACN	1.6mm	Male	Yes	Yes	In-line	POM	NBR	25pcs/pkg
839130	Q2001-PMV-SACN	1.6mm	Male	Yes	Yes	In-line	POM	NBR	25pcs/pkg
839019	Q2001-PMX-SACN	1.6mm	Male	Yes	No	In-line	POM	NBR	25pcs/pkg
839034	Q2001-PNV-SACN	1.6mm	Male	No	Yes	In-line	POM	NBR	25pcs/pkg
839120	Q2001-PNX-SACE	1.6mm	Male	No	No	In-line	POM	EPDM	25pcs/pkg
839012	Q2001-PNX-SACN	1.6mm	Male	No	No	In-line	POM	NBR	25pcs/pkg
839085	Q2001-PMV-SPPE	1.6mm	Male	Yes	Yes	In-line	PP	EPDM	25pcs/pkg
839063	Q2001-PMX-SPPE	1.6mm	Male	Yes	No	In-line	PP	EPDM	25pcs/pkg
839078	Q2001-PNV-SPPE	1.6mm	Male	No	Yes	In-line	PP	EPDM	25pcs/pkg
839056	Q2001-PNX-SPPE	1.6mm	Male	No	No	In-line	PP	EPDM	25pcs/pkg
839030	Q2001-SMV-SACN	1.6mm	Female	Yes	Yes	In-line	POM	NBR	25pcs/pkg
839115	Q2001-SMV-SACN	1.6mm	Female	Yes	Yes	In-line	POM	NBR	25pcs/pkg
839008	Q2001-SMX-SACN	1.6mm	Female	Yes	No	In-line	POM	NBR	25pcs/pkg
839133	Q2001-SMX-SACN	1.6mm	Female	Yes	No	In-line	POM	NBR	25pcs/pkg
839023	Q2001-SNV-SACN	1.6mm	Female	No	Yes	In-line	POM	NBR	25pcs/pkg
839001	Q2001-SNX-SACN	1.6mm	Female	No	No	In-line	POM	NBR	25pcs/pkg
839074	Q2001-SMV-SPPE	1.6mm	Female	Yes	Yes	In-line	PP	EPDM	25pcs/pkg
839052	Q2001-SMX-SPPE	1.6mm	Female	Yes	No	In-line	PP	EPDM	25pcs/pkg
839067	Q2001-SNV-SPPE	1.6mm	Female	No	Yes	In-line	PP	EPDM	25pcs/pkg
839045	Q2001-SNX-SPPE	1.6mm	Female	No	No	In-line	PP	EPDM	25pcs/pkg
839042	Q2002-PMV-SACN	3.2mm	Male	Yes	Yes	In-line	POM	NBR	25pcs/pkg
839119	Q2002-PMX-SACE	3.2mm	Male	Yes	No	In-line	POM	EPDM	25pcs/pkg
839020	Q2002-PMX-SACN	3.2mm	Male	Yes	No	In-line	POM	NBR	25pcs/pkg
839035	Q2002-PNV-SACN	3.2mm	Male	No	Yes	In-line	POM	NBR	25pcs/pkg
839099	Q2002-PNX-SACE	3.2mm	Male	No	No	In-line	POM	EPDM	25pcs/pkg
839013	Q2002-PNX-SACN	3.2mm	Male	No	No	In-line	POM	NBR	25pcs/pkg
839086	Q2002-PMV-SPPE	3.2mm	Male	Yes	Yes	In-line	PP	EPDM	25pcs/pkg
839064	Q2002-PMX-SPPE	3.2mm	Male	Yes	No	In-line	PP	EPDM	25pcs/pkg
839138	Q2002-PMX-SPPE	3.2mm	Male	Yes	No	In-line	PP	EPDM	25pcs/pkg
839079	Q2002-PNV-SPPE	3.2mm	Male	No	Yes	In-line	PP	EPDM	25pcs/pkg
839057	Q2002-PNX-SPPE	3.2mm	Male	No	No	In-line	PP	EPDM	25pcs/pkg
839038	Q2002-PNV-LACN	3.2mm	Male	No	Yes	Elbow	POM	NBR	25pcs/pkg
839016	Q2002-PNX-LACN	3.2mm	Male	No	No	Elbow	POM	NBR	25pcs/pkg
839082	Q2002-PNV-LPPE	3.2mm	Male	No	Yes	Elbow	PP	EPDM	25pcs/pkg
839060	Q2002-PNX-LPPE	3.2mm	Male	No	No	Elbow	PP	EPDM	25pcs/pkg
839098	Q2002-PNX-LPPE	3.2mm	Male	No	No	Elbow	PP	EPDM	25pcs/pkg
839031	Q2002-SMV-SACN	3.2mm	Female	Yes	Yes	In-line	POM	NBR	25pcs/pkg
839009	Q2002-SMX-SACN	3.2mm	Female	Yes	No	In-line	POM	NBR	25pcs/pkg
839103	Q2002-SMX-SACN	3.2mm	Female	Yes	No	In-line	POM	NBR	25pcs/pkg

Q20 - 02 - P - M - V - S - PP - E									
Q20 Quick Disconnect Coupling		Tube OD Or Thread	Male/ Female	Panel Mount	Valved	Shape	Housing Material	Sealing Ring Material	
		01 -1/16"(1.6mm)	P -Male	M -Yes	V -Yes	S -In-line	PP-PP	N-NBR	
		02 -1/8" (3.2mm)	S -Female	N -No	X -No	L -Elbow	AC-POM	E -EPDM	
		03 -3/16"(4.8mm)							
		04 -1/4" (6.4mm)							
		18N -1/8-27NPT							
		18T -1/8-27NPT							
		28U -1/4-28UNF							
Product Code	Model	Tube ID Or Thread	Male/ Female	Panel Mount	Valved	Shape	Housing Material	Sealing Ring Material	Package
839024	Q2002-SNV-SACN	3.2mm	Female	No	Yes	In-line	POM	NBR	25pcs/pkg
839002	Q2002-SNX-SACN	3.2mm	Female	No	No	In-line	POM	NBR	25pcs/pkg
839075	Q2002-SMV-SPPE	3.2mm	Female	Yes	Yes	In-line	PP	EPDM	25pcs/pkg
839053	Q2002-SMX-SPPE	3.2mm	Female	Yes	No	In-line	PP	EPDM	25pcs/pkg
839116	Q2002-SMX-SPPE	3.2mm	Female	Yes	No	In-line	PP	EPDM	25pcs/pkg
839068	Q2002-SNV-SPPE	3.2mm	Female	No	Yes	In-line	PP	EPDM	25pcs/pkg
839046	Q2002-SNX-SPPE	3.2mm	Female	No	No	In-line	PP	EPDM	25pcs/pkg
839027	Q2002-SNV-LACN	3.2mm	Female	No	Yes	Elbow	POM	NBR	25pcs/pkg
839005	Q2002-SNX-LACN	3.2mm	Female	No	No	Elbow	POM	NBR	25pcs/pkg
839071	Q2002-SNV-LPPE	3.2mm	Female	No	Yes	Elbow	PP	EPDM	25pcs/pkg
839049	Q2002-SNX-LPPE	3.2mm	Female	No	No	Elbow	PP	EPDM	25pcs/pkg
839131	Q2003-PMV-SACE	4.8mm	Male	Yes	Yes	In-line	POM	EPDM	25pcs/pkg
839043	Q2003-PMV-SACN	4.8mm	Male	Yes	Yes	In-line	POM	NBR	25pcs/pkg
839021	Q2003-PMX-SACN	4.8mm	Male	Yes	No	In-line	POM	NBR	25pcs/pkg
839036	Q2003-PNV-SACN	4.8mm	Male	No	Yes	In-line	POM	NBR	25pcs/pkg
839100	Q2003-PNX-SACE	4.8mm	Male	No	No	In-line	POM	EPDM	25pcs/pkg
839014	Q2003-PNX-SACN	4.8mm	Male	No	No	In-line	POM	NBR	25pcs/pkg
839087	Q2003-PMV-SPPE	4.8mm	Male	Yes	Yes	In-line	PP	EPDM	25pcs/pkg
839065	Q2003-PMX-SPPE	4.8mm	Male	Yes	No	In-line	PP	EPDM	25pcs/pkg
839080	Q2003-PNV-SPPE	4.8mm	Male	No	Yes	In-line	PP	EPDM	25pcs/pkg
839058	Q2003-PNX-SPPE	4.8mm	Male	No	No	In-line	PP	EPDM	25pcs/pkg
839032	Q2003-SMV-SACN	4.8mm	Female	Yes	Yes	In-line	POM	NBR	25pcs/pkg
839010	Q2003-SMX-SACN	4.8mm	Female	Yes	No	In-line	POM	NBR	25pcs/pkg
839132	Q2003-SNV-SACE	4.8mm	Female	No	Yes	In-line	POM	EPDM	25pcs/pkg
839025	Q2003-SNV-SACN	4.8mm	Female	No	Yes	In-line	POM	NBR	25pcs/pkg
839003	Q2003-SNX-SACN	4.8mm	Female	No	No	In-line	POM	NBR	25pcs/pkg
839076	Q2003-SMV-SPPE	4.8mm	Female	Yes	Yes	In-line	PP	EPDM	25pcs/pkg
839127	Q2003-SMV-SPPE	4.8mm	Female	Yes	Yes	In-line	PP	EPDM	25pcs/pkg
839054	Q2003-SMX-SPPE	4.8mm	Female	Yes	No	In-line	PP	EPDM	25pcs/pkg
839069	Q2003-SNV-SPPE	4.8mm	Female	No	Yes	In-line	PP	EPDM	25pcs/pkg
839047	Q2003-SNX-SPPE	4.8mm	Female	No	No	In-line	PP	EPDM	25pcs/pkg
839044	Q2004-PMV-SACN	6.4mm	Male	Yes	Yes	In-line	POM	NBR	25pcs/pkg
839022	Q2004-PMX-SACN	6.4mm	Male	Yes	No	In-line	POM	NBR	25pcs/pkg
839037	Q2004-PNV-SACN	6.4mm	Male	No	Yes	In-line	POM	NBR	25pcs/pkg
839101	Q2004-PNX-SACE	6.4mm	Male	No	No	In-line	POM	EPDM	25pcs/pkg
839121	Q2004-PNX-SACE	6.4mm	Male	No	No	In-line	POM	EPDM	25pcs/pkg
839015	Q2004-PNX-SACN	6.4mm	Male	No	No	In-line	POM	NBR	25pcs/pkg
839088	Q2004-PMV-SPPE	6.4mm	Male	Yes	Yes	In-line	PP	EPDM	25pcs/pkg
839066	Q2004-PMX-SPPE	6.4mm	Male	Yes	No	In-line	PP	EPDM	25pcs/pkg
839139	Q2004-PMX-SPPE	6.4mm	Male	Yes	No	In-line	PP	EPDM	25pcs/pkg

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

Product Code	Model	Tube ID Or Thread	Male/Female	Panel Mount	Valved	Shape	Housing Material	Sealing Ring Material	Package
839081	Q2004-PNV-SPPE	6.4mm	Male	No	Yes	In-line	PP	EPDM	25pcs/pkg
839059	Q2004-PNX-SPPE	6.4mm	Male	No	No	In-line	PP	EPDM	25pcs/pkg
839039	Q2004-PNV-LACN	6.4mm	Male	No	Yes	Elbow	POM	NBR	25pcs/pkg
839017	Q2004-PNX-LACN	6.4mm	Male	No	No	Elbow	POM	NBR	25pcs/pkg
839083	Q2004-PNV-LPPE	6.4mm	Male	No	Yes	Elbow	PP	EPDM	25pcs/pkg
839061	Q2004-PNX-LPPE	6.4mm	Male	No	No	Elbow	PP	EPDM	25pcs/pkg
839033	Q2004-SMV-SACN	6.4mm	Female	Yes	Yes	In-line	POM	NBR	25pcs/pkg
839114	Q2004-SMV-SACN	6.4mm	Female	Yes	Yes	In-line	POM	NBR	25pcs/pkg
839124	Q2004-SMV-SACN	6.4mm	Female	Yes	Yes	In-line	POM	NBR	25pcs/pkg
839011	Q2004-SMX-SACN	6.4mm	Female	Yes	No	In-line	POM	NBR	25pcs/pkg
839134	Q2004-SMX-SACN	6.4mm	Female	Yes	No	In-line	POM	NBR	25pcs/pkg
839026	Q2004-SNV-SACN	6.4mm	Female	No	Yes	In-line	POM	NBR	25pcs/pkg
839004	Q2004-SNX-SACN	6.4mm	Female	No	No	In-line	POM	NBR	25pcs/pkg
839077	Q2004-SMV-SPPE	6.4mm	Female	Yes	Yes	In-line	PP	EPDM	25pcs/pkg
839055	Q2004-SMX-SPPE	6.4mm	Female	Yes	No	In-line	PP	EPDM	25pcs/pkg
839070	Q2004-SNV-SPPE	6.4mm	Female	No	Yes	In-line	PP	EPDM	25pcs/pkg
839048	Q2004-SNX-SPPE	6.4mm	Female	No	No	In-line	PP	EPDM	25pcs/pkg
839028	Q2004-SNV-LACN	6.4mm	Female	No	Yes	Elbow	POM	NBR	25pcs/pkg
839006	Q2004-SNX-LACN	6.4mm	Female	No	No	Elbow	POM	NBR	25pcs/pkg
839072	Q2004-SNV-LPPE	6.4mm	Female	No	Yes	Elbow	PP	EPDM	25pcs/pkg
839050	Q2004-SNX-LPPE	6.4mm	Female	No	No	Elbow	PP	EPDM	25pcs/pkg
839108	Q2028U-PNV-SACN	1/4-28UNF	Male	No	Yes	In-line	POM	NBR	25pcs/pkg
839106	Q2028U-PNV-SPPE	1/4-28UNF	Male	No	Yes	In-line	PP	EPDM	25pcs/pkg
839107	Q2028U-SMV-SACN	1/4-28UNF	Female	Yes	Yes	In-line	POM	NBR	25pcs/pkg
839105	Q2028U-SMV-SPPE	1/4-28UNF	Female	Yes	Yes	In-line	PP	EPDM	25pcs/pkg
839040	Q2018N-PNV-SACN	1/8-27NPT	Male	No	Yes	In-line	POM	NBR	25pcs/pkg
839018	Q2018N-PNX-SACN	1/8-27NPT	Male	No	No	In-line	POM	NBR	25pcs/pkg
839084	Q2018N-PNV-SPPE	1/8-27NPT	Male	No	Yes	In-line	PP	EPDM	25pcs/pkg
839062	Q2018N-PNX-SPPE	1/8-27NPT	Male	No	No	In-line	PP	EPDM	25pcs/pkg
839029	Q2018N-SNV-SACN	1/8-27NPT	Female	No	Yes	In-line	POM	NBR	25pcs/pkg
839109	Q2018T-SNV-SACN	1/8-27NPT	Female	No	Yes	In-line	POM	NBR	25pcs/pkg
839007	Q2018N-SNX-SACN	1/8-27NPT	Female	No	No	In-line	POM	NBR	25pcs/pkg
839110	Q2018T-SNX-SACN	1/8-27NPT	Female	No	No	In-line	POM	NBR	25pcs/pkg
839073	Q2018N-SNV-SPPE	1/8-27NPT	Female	No	Yes	In-line	PP	EPDM	25pcs/pkg
839097	Q2018T-SNV-SPPE	1/8-27NPT	Female	No	Yes	In-line	PP	EPDM	25pcs/pkg
839051	Q2018N-SNX-SPPE	1/8-27NPT	Female	No	No	In-line	PP	EPDM	25pcs/pkg
839104	Q2018T-SNX-SPPE	1/8-27NPT	Female	No	No	In-line	PP	EPDM	25pcs/pkg



Q40 Series

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

Basic parameters

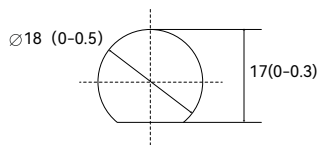
Series		Q40-POM	Q40-PP
CPCModel		PMC series	PMC 12 series
LinktechModel		40 AC series	40 PP series
Applicable conditions	Work Pressure	120 psi (8.3 bar)	120 psi (8.3 bar)
	Work temperature	-40°C~82°C	0°C~71°C
	Tube ID	1/4"(6.4mm)~3/8"(9.5mm)	
	Threaded port	Male thread 1/8-27NPT and Female thread 1/4-28UNF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

*Sealing ring: Customizable FKM material

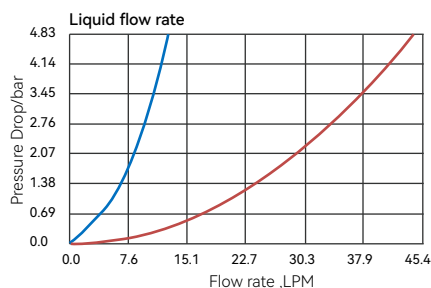
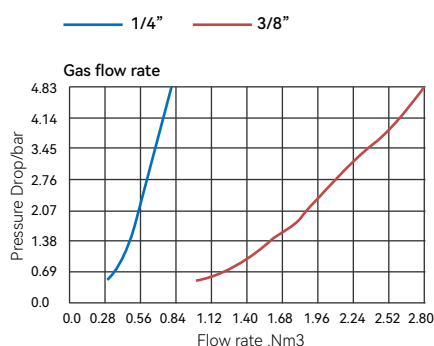
Assembly tips

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

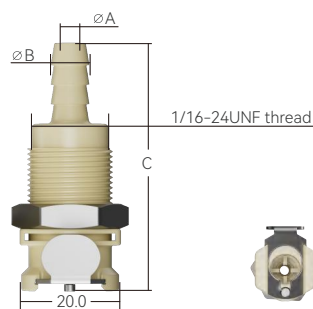
Unit: mm



Q40 Series flow coefficient



Q40 Series Female



Unit: mm

Non-valved

Valved



PP

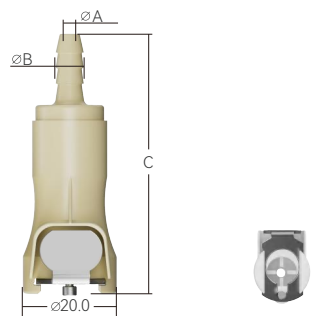


POM

• Q40/Panel Mount Female

Adapt to 6.4-9.5mm tube ID

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



Unit: mm

Non-valved

Valved



PP



POM

• Q40/Female

Adapt to 6.4-9.5mm tube ID

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

Basic parameters

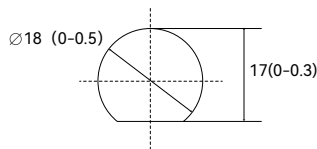
Series		Q40-POM	Q40-PP
CPCModel		PMC series	PMC 12 series
LinktechModel		40 AC series	40 PP series
Applicable conditions	Work Pressure	120 psi (8.3 bar)	120 psi (8.3 bar)
	Work temperature	-40°C~82°C	0°C~71°C
	Tube ID	1/4" (6.4mm)~3/8" (9.5mm)	
Materials	Threaded port	Male thread 1/8-27NPT and Female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

*Sealing ring: Customizable FKM material

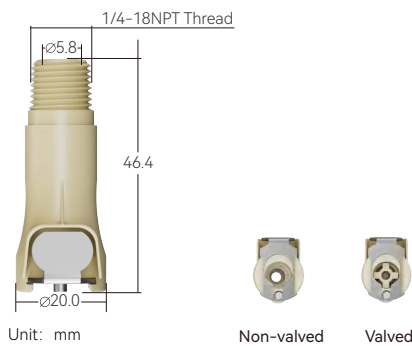
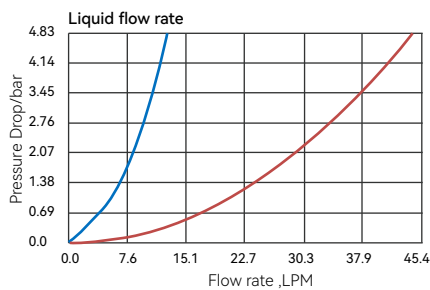
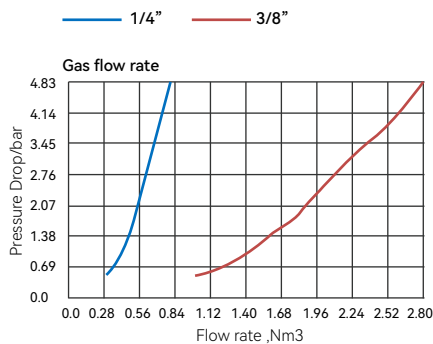
Assembly tips

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

Unit: mm



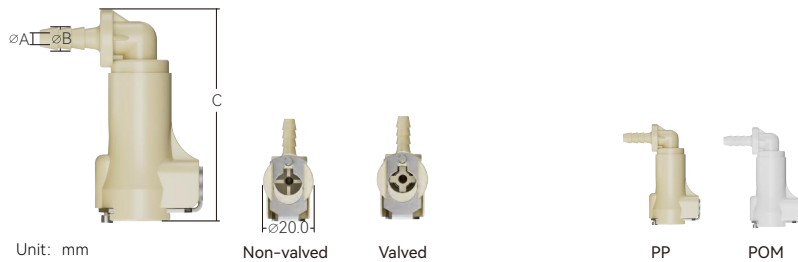
Q40 Series flow coefficient



• Q40/Female

Adapt to 1/4-18NPT thread

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

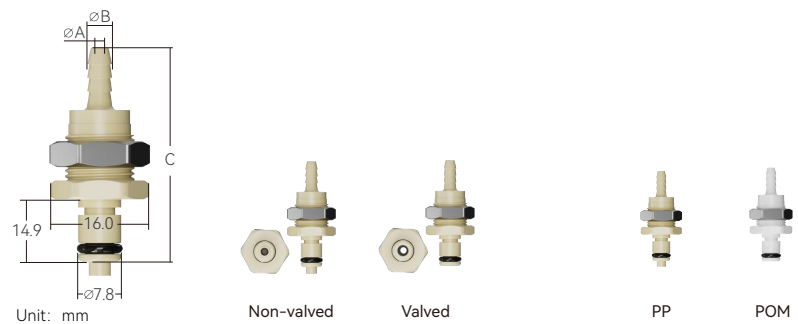


• Q40/Female

Adapt to 6.4mm tube ID

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

Q40 Series Male



• Q40/Panel Mount Male

Adapt to 6.4-9.5mm tube ID

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

Basic parameters

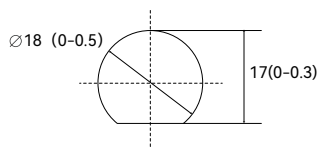
Series		Q40-POM	Q40-PP
CPCModel		PMC series	PMC 12 series
LinktechModel		40 AC series	40 PP series
Applicable conditions	Work Pressure	120 psi (8.3 bar)	120 psi (8.3 bar)
	Work temperature	-40°C~82°C	0°C~71°C
	Tube ID	1/4"(6.4mm)~3/8"(9.5mm)	
	Threaded port	Male thread 1/8-27NPT and Female thread 1/4-28UNF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

*Sealing ring: Customizable FKM material

Assembly tips

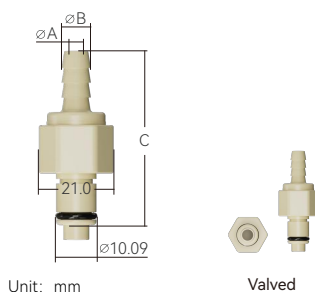
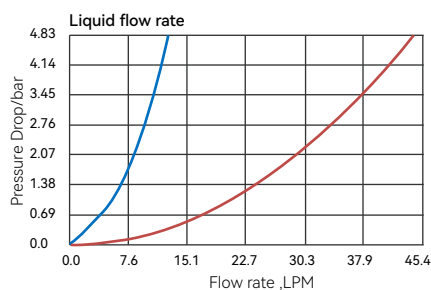
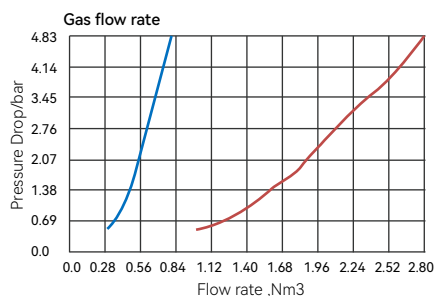
Panel Mount Size	Panel Mount Thread	11/16"-24UNS
	Hexagon nut size	13/16"(20.7mm)
	Recommended panel mount holes	17.5~18mm

Unit: mm



Q40 Series flow coefficient

— 1/4" — 3/8"



Unit: mm

Valved



PP

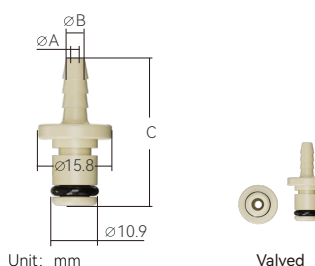


POM

• Q40/Male

Adapt to 1.6-12.7mm tube ID

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



Unit: mm

Valved



PP

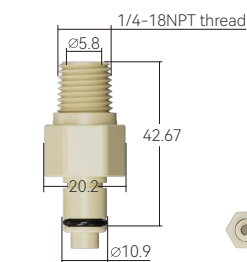


POM

• Q40/Male

Adapt to 6.4-9.5mm tube ID

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



Unit: mm

Valved



PP



POM

• Q40/Male

Adapt to 1/4-18NPT thread

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

Basic parameters

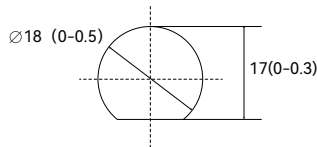
Series		Q40-POM	Q40-PP
CPCModel		PMC series	PMC 12 series
LinktechModel		40 AC series	40 PP series
Applicable conditions	Work Pressure	120 psi (8.3 bar)	120 psi (8.3 bar)
	Work temperature	-40°C~82°C	0°C~71°C
	Tube ID	1/4"(6.4mm)~3/8"(9.5mm)	
	Threaded port	Male thread 1/8-27NPT and Female thread 1/4-28UNF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

*Sealing ring: Customizable FKM material

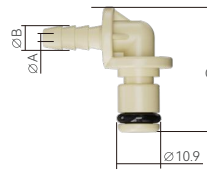
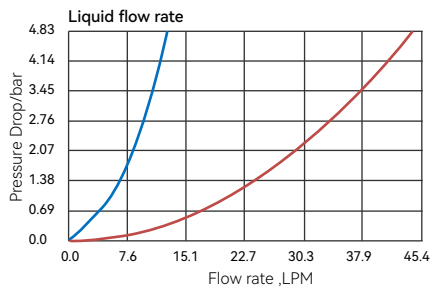
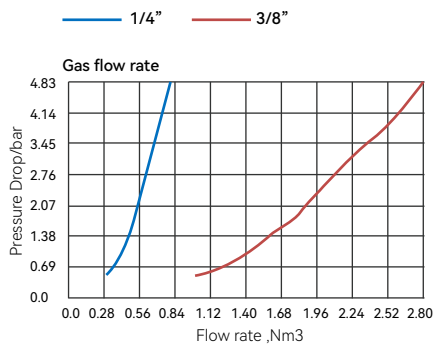
Assembly tips

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

Unit: mm



Q40 Series flow coefficient



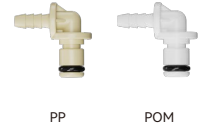
Unit: mm

• Q40/Male

Adapt to 9.5mm tube ID

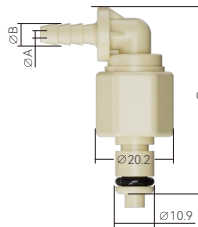
Model	Tube ID	A	B	C
Q4006-PNX-L	9.5	7.2	10.6	29.0

Non-valved



PP

POM



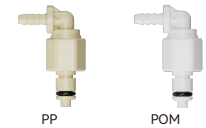
Unit: mm

• Q40/Male

Adapt to 6.4, 9.5mm tube ID

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

Valved



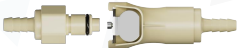
PP

POM

Q40/Quick Disconnect Coupling

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

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

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

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



Q60series

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

Basic parameters

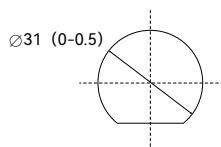
Series		Q60-PP
CPCModel		HFC 12 series
LinktechModel		60 PP series
Applicable conditions	Work Pressure	60 psi(4.2 bar)
	Work temperature	0°C~71°C
	Tube ID	3/8"(9.5mm)~3/4"(19mm)
	Threaded port	1/2-14NPT, 3/8-18NPT
Materials	Spring, button	SUS316
	Sealing ring*	EPDM
	Housing, valve core	PP-Grey

*Sealing ring: Customizable FKM material

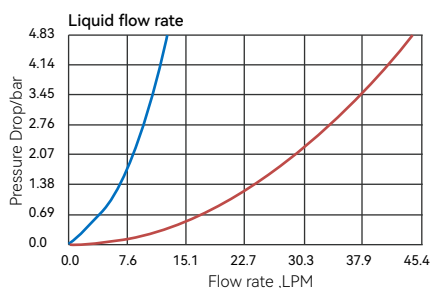
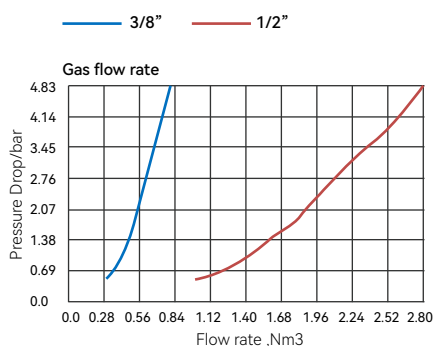
Assembly tips

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

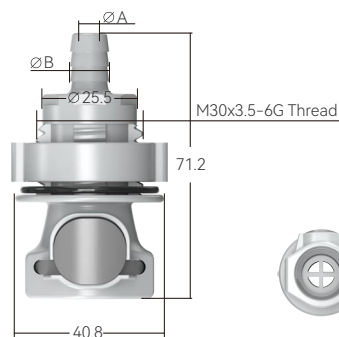
Unit: mm



Q60 Series flow coefficient



Q60 Series Female



Unit: mm

Non-valved

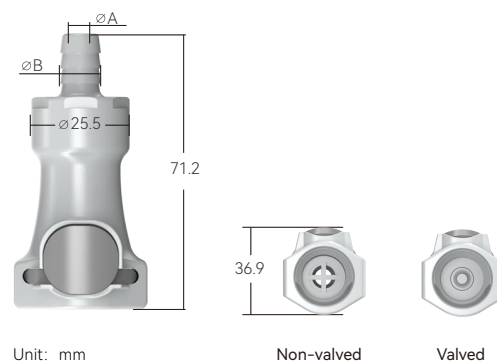
Valved

PP

• Q60/Panel Mount Female

Adapt to 9.5~19.0mm tube ID

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



Unit: mm

Non-valved

Valved

PP

• Q60/Female

Adapt to 9.5~19.0mm tube ID

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

Basic parameters

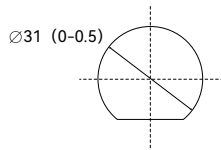
Series		Q60-PP
CPCModel		HFC 12 series
LinktechModel		60 PP series
Applicable conditions	Work Pressure	60 psi(4.2 bar)
	Work temperature	0°C~71°C
	Tube ID	3/8"(9.5mm)~3/4"(19mm)
	Threaded port	1/2-14NPT, 3/8-18NPT
Materials	Spring, button	SUS316
	Sealing ring*	EPDM
	Housing, valve core	PP-Grey

*Sealing ring: Customizable FKM material

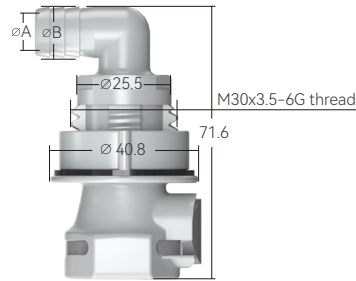
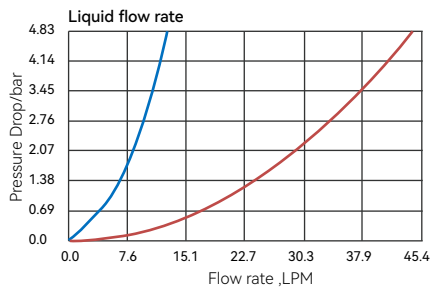
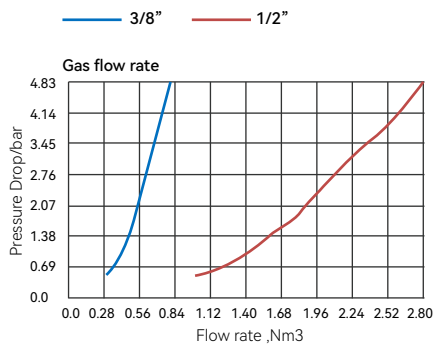
Assembly tips

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

Unit: mm



Q60 Series flow coefficient



Unit: mm



Non-valved



Valved



PP

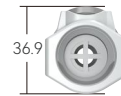
• Q60/Panel Mount Female

Adapt to 9.5~19.0mm tube ID

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



Unit: mm



Non-valved



Valved



PP

• Q60/Female

Adapt to 3/8-18NPT、1/2-14NPT thread

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

Basic parameters

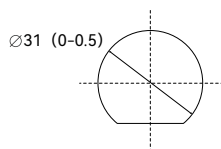
Series		Q60-PP
CPCModel		HFC 12 series
LinktechModel		60 PP series
Applicable conditions	Work Pressure	60 psi(4.2 bar)
	Work temperature	0°C~71°C
	Tube ID	3/8"(9.5mm)~3/4"(19mm)
	Threaded port	1/2-14NPT, 3/8-18NPT
Materials	Spring, button	SUS316
	Sealing ring*	EPDM
	Housing, valve core	PP-Grey

*Sealing ring: Customizable FKM material

Assembly tips

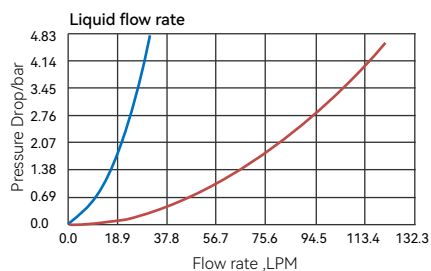
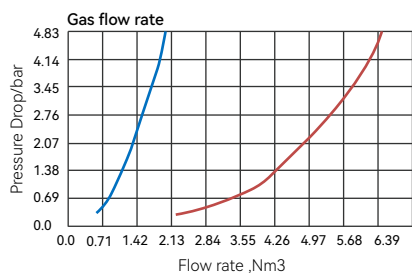
Panel Mount Size	Panel Mount Thread	M30*3.5
	Hexagon nut size	1.375"(35mm)
	Recommended panel mount holes	30.5~31mm

Unit: mm

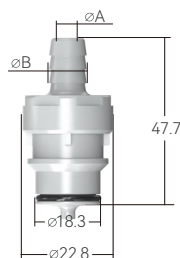


Q60 Series flow coefficient

— 3/8" — 1/2"



Q60 Series Male



Unit: mm



Non-valved Valved

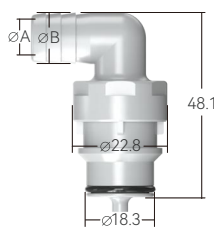


PP

• Q60/Male

Adapt to 9.5-19.0mm tube ID

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



Unit: mm



Non-valved Valved

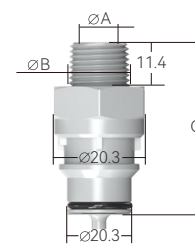


PP

• Q60/Male

Adapt to 9.5-12.7mm tube ID

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



Unit: mm



Non-valved Valved



PP

• Q60/Male

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

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

Q60/Quick Disconnect Coupling

Q60

- 06

- P

- M

- V

- S

- PP

- E

Q40 Quick Disconnect Coupling



Tube OD Or Thread
06 -3/8" (9.5mm)
08 -1/2" (12.7mm)
12 -3/4" (19.0mm)
38N -3/8-18NPT
12N -1/2-14NPT

Male/
Female

Panel
Mount

Valved

Shape

Housing
Material

Sealing Ring Material

P -Male
S -Female

M -Yes
N -No

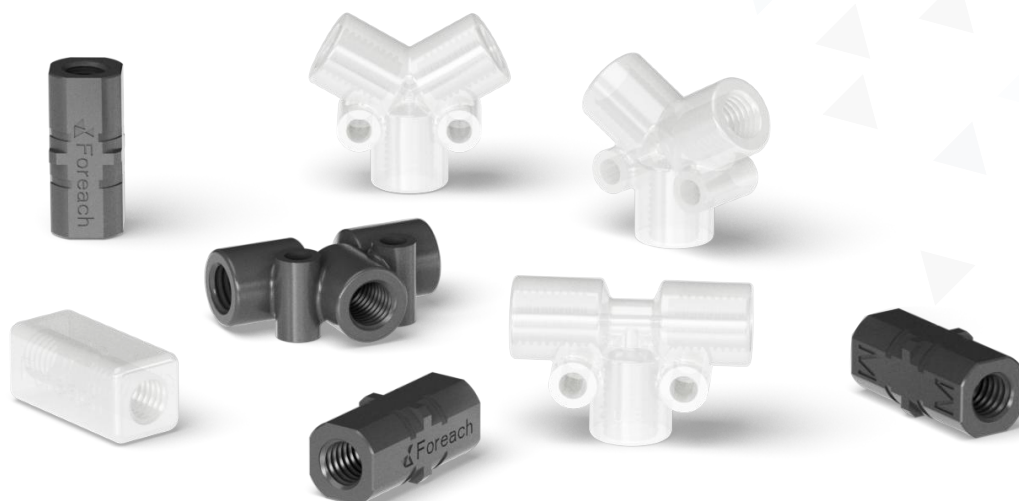
V -Yes
X -No

S -In-line
L -Elbow

PP -PP

N -EPDM

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



Union

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

Available in two configurations:

1. 2-Way connectors:

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

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

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

2. 3-Way connectors:

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

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

82

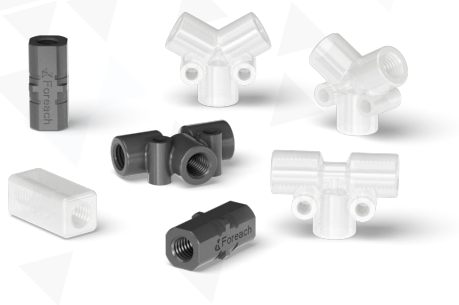
Thread Union

Contains M6, U28 threaded port and diameter 2.0mm

83

Thread Tee

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



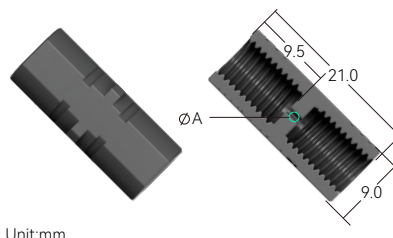
Female Thread Union

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

U/Female Thread Union (2-Way)

ⓘ Precautions for use

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



Unit:mm



PPS

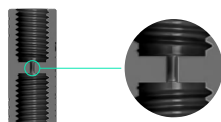


PP

• U/Female Thread Union (2-Way)

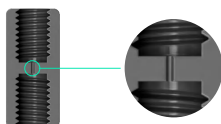
Adapts to 1/4"-U28UNF, M6x1 male thread
2.0mm fluid hole

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



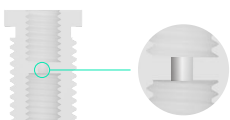
Fluid hole

Female Thread Union (2-Way)



Fluid hole

Female Squared Thread Union



Fluid hole

Panel Mount Female Thread Union (2-Way)

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

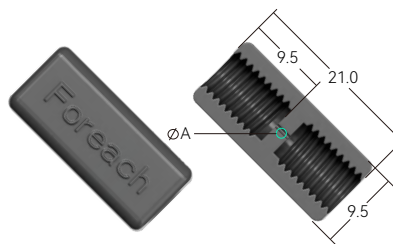


M6



1/4-28UNF

US/Female Squared Thread Union



Unit:mm



POM



PP

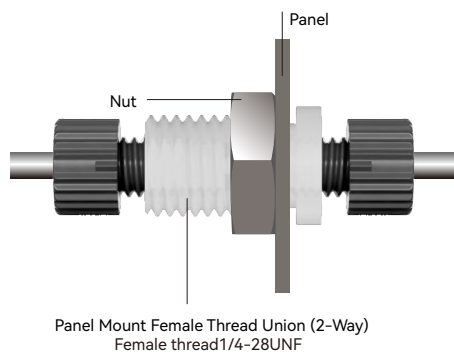
• US/Female Squared Thread Union

Adapt to M6x1 male thread
0.5-1.5mm fluid hole

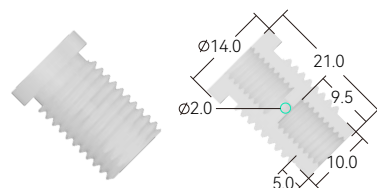
Model	Nominal Diameter	A
US-M6-05	0.5	0.5
US-M6-10	1.0	1.0
US-M6-15	1.5	1.5

Assembly Instructions

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



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



Unit:mm

PP

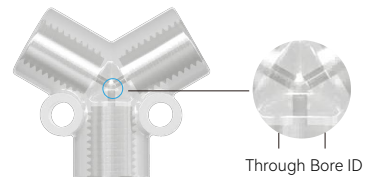
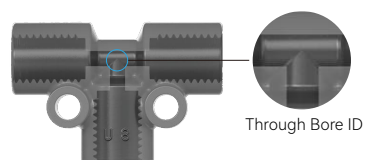
• PMU/Panel Mount Female Thread Union (2-Way)

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

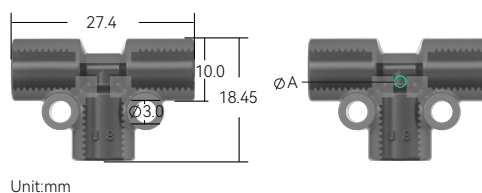
Model	Nominal Diameter	A
PMU-M12-U28-20	2.0	2.0

Assembly Instructions

Achieves dead volume-free connection when coupling



UT/Female Thread Tee Connector (3-Way)



Unit:mm

PPS

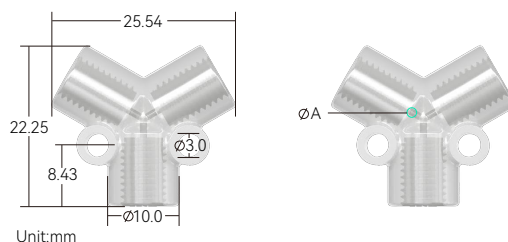
PP

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

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

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

UY/Female Thread Y Connector (3-Way)



Unit:mm

PP

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

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

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

U/Female Thread Union (2-Way)

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

US/Female Squared Thread Union

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

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

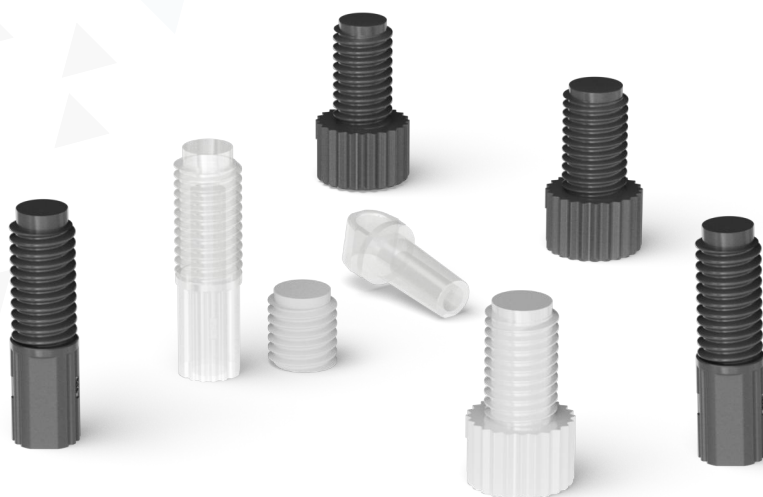
PMU - M12 - U28 - 20 - PP - N							
Panel Mount Female Thread Union (2-Way)		Panel Mount Thread	Female Thread	Nominal Diameter	Material	Color	
		M12-M12x1.5	U28 -1/4-28UNF	2.0mm	PP-PP	N -Natural	
Item Code	Model	Panel Mount Thread	Female Thread	Nominal Diameter	Material	Color	Packaging
809525	PMU-M12-U28-20-PP-N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

UT/Female Thread Tee Connector (3-Way)

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

UY/Female Thread Y Connector (3-Way)

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



Press-In Plugs

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

87

Standard Threaded
Plug

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

87

Compact Threaded
Plug

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

88

Fitting Plug

Available in M6 and
1/4-28UNF Thread

88

Barbed Plug

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

88

Male Luer Plug

Available in PP & PA material and
Natural & White Color

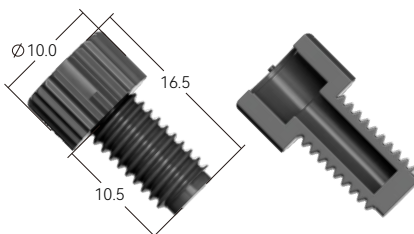
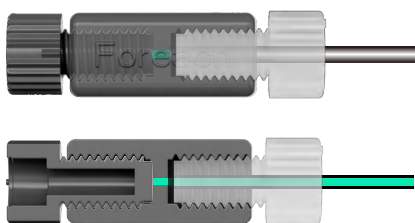
Press-In Plugs

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

HBL/Standard Threaded Plug

Assembly Instructions

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



Unit:mm



PVDF



PVDF

Related Products

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



Item Code	Compatible Bit
956002	All torque bit heads



Item Code	Compatible Fitting Series
959006	HBL/Standard Threaded Plug



Item Code	Compatible Fitting Series
959019	HBL6/Compact Threaded Plug

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



Item Code	Compatible Fitting Series
959008	HBL6/Compact Threaded Plug



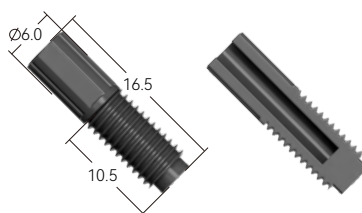
Item Code	Compatible Fitting Series
959005	HBL/Standard Threaded Plug

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



* HBL6-U40/Compact threaded plug configuration diagram

HBL6/Compact Threaded Plug



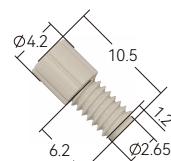
Unit:mm



PPS

HBL6/Compact Threaded Plug

M6x1, 1/4-28UNF internal thread



Unit:mm



PEEK

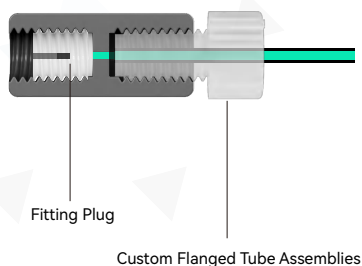
HBL6/Compact Threaded Plug

6-40UNF internal thread

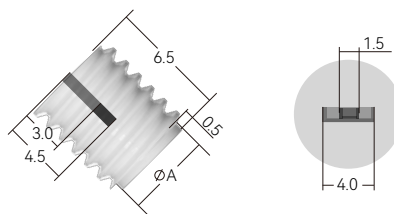
Model	Thread
HBL6-U40	6-40UNF
HBL6-M6	M6x1
HBL6-U28	1/4-28UNF

Assembly Instructions

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



HBL6X/Fitting Plug



Unit:mm

PVDF

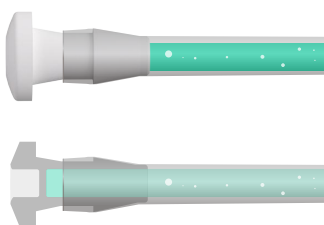
• HBL6X/Fitting Plug

M6x1, 1/4-28UNF internal thread

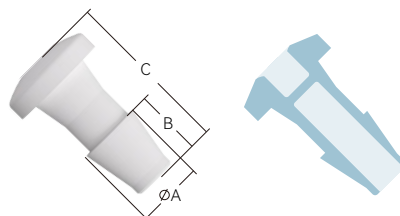
Model	Thread	A
HBL6X-M6	M6x1	4.7
HBL6X-U28	1/4-28UNF	5.2

Assembly Instructions

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



BBL/Barbed Plug



Unit:mm



PP



PA

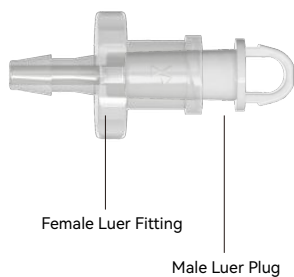
• BBL/Barbed Plug

Compatible with tube ID of 1.6-3.2mm

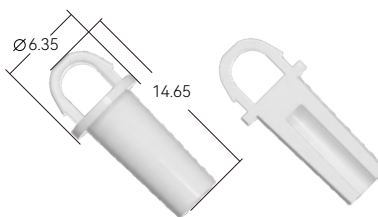
Model	Tube ID	A	B	C
BBL-16D	1.6	2.4	2.4	6.11
BBL-24D	2.4	3.5	3.5	8.68
BBL-32D	3.2	4.5	4.5	11.63

Assembly Instructions

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



LPBL/Male Luer Plug



Unit:mm



PP



PA

• LPBL/Male Luer Plug

Compatible with female luer fitting

Model
LPBL-PA-W
LPBL-PP-N

HBL/Standard Threaded Plug

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

HBL6/Compact Threaded Plug

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

HBL6X/Fitting Plug

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

LPBL/Male Luer Plug

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

BBL/Barbed Plug

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

PLUG



Barbed Filter

The barbed filter physically intercepts particles through the filter media.

This series features filters with barbed configurations for the filtration of particles and other impurities in liquids. Compact design, easy to install. This series of Barbed Filters are widely applied in industries such as medical, environmental protection, and laboratory settings.

92**Barbed Filter**

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



Assembly Instructions

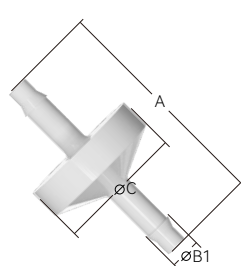


Liquid Flow Direction

Barbed Filter

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

F-PE/Barbed Filter

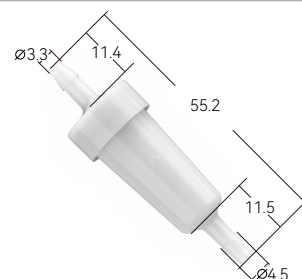


Unit:mm

• F-PE/Barbed Filter

Compatible with tube ID of 2.4 and 3.2mm

Model	Tube ID	A	B1	C
F-PE-10-24	2.4	11.0	3.6	19.0
F-PE-60-32	3.2	32.7	4.5	19.7
F-PE-100-32	3.2	33.4	3.3	19.0
F-PA-250-32	3.2	\	\	\



Unit:mm

• F-PA/Barbed Filter

Compatible with tube ID of 3.2mm

Related Products

1. F-SS-150-127D

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



3/8-18NPT Thread

2. F-SS-150-127

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



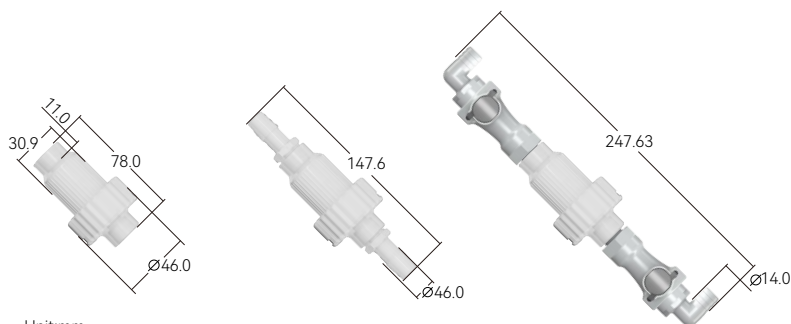
3/8-18NPT Thread

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



3/8-18NPT Internal thread

F-SS/Recirculating Water Filter



Unit:mm

• Recirculating Water Filter

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

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

F-PE&PA/Barbed Filter

F	- PE	- 60	- 16	- PP	- N
Barbed Filter 	Filter Material PE-HDPE PA-PA	Filter Precision 10 -10µm 60 -40~60µm 100-80~100µm 250-250µm	Tube ID 24 -2.4mm 32 -3.2mm	Material PP-PP PA-PA	Color N -Natural

Item Code	Model	Filter Material	Filter Precision	Tube ID	Material	Color	Packaging
136009	F-PE-10-24-PP-N	HDPE	10µm	2.4mm	pp	Natural	100pcs/pkg
139003	F-PE-60-32-PP-N	HDPE	40~60µm	3.2mm	pp	Natural	100pcs/pkg
139001	F-PE-100-32-PP-N	HDPE	80~100µm	3.2mm	pp	Natural	100pcs/pkg
139014	F-PA-250-32D-PA-N	PA	250µm	3.2mm	PA	Natural	100pcs/pkg

F-SS/Recirculating Water Filter

F	- SS	- 150	- 127D	- PP	- N
Recirculating Water Filter 	Filter Mesh Materials SS-SUS	Filter Precision 150-150µm	Tube ID Or Thread 127 -12.7mm 127D-12.7mm	Material PP-PP	Color N -Natural

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

RIGID TUBING
FITTINGS

HOSE
FITTING

LUER
FITTING

QUICKDISCONNECT
COUPLING

UNION

PLUG

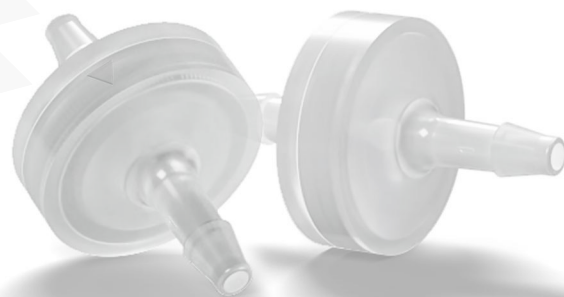
BARBED
FILTER

BARBED
CHECK VALVE

TUBING

ACCESSORY

ATTACHED
SHEET



Barbed Check Valve

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

95

Barbed Check
Valve

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

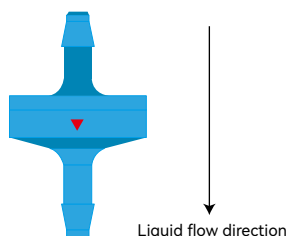


Barbed Check Valve

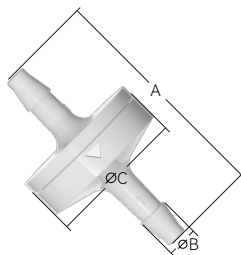
- This series features check valves with barbed structures, controlling unidirectional fluid flow and preventing backflow;
- They offer extremely low forward opening pressure and extremely low reverse sealing pressure;
- Ultrasonic welding ensures integral sealing;
- Tube ID: 1.6, 2.4, 3.2, 4.8, 6.4,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

Assembly Tip

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



Liquid flow direction



Unit:mm

CV/Barbed Check Valve

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

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

CV/Barbed Check Valve

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

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



Tubing

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

97
PVC Tubing

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

99
TPU Tubing

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

100
FEP Tubing

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

101
PTFE Tubing

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

102
PEEK Tubing

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

103
PFA Tubing

 Tube ID: 0.5mm~1.0mm
 Color: Natural



PVC Tubing

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

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

PVC Tubing

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

PVC Tubing

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



TPU Tubing

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

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

TPU Tubing

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

FEP Tubing

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

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

FEP Tubing

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



PTFE Tubing

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

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

PTFE Tubing

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

PEEK Tubing

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

Density	g/cm ³	1.32
Tensile strength	MPa	180
Flexural strength	MPa	265 (ASTM D790)
Dielectric constant	KV/mm	24
Hygroscopicity	%	0.2 (ISO 62)
Operating Temperature	°C	-180~225
Coefficient of linear thermal expansion	cm/cm/°C	4.5X10 ⁻⁵
Melting temperature	°C	343

PEEK Tubing

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



PFA Tubing

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

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

PFA Tubing

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

RIGID TUBING
FITTINGS

HOSE
FITTING

LUER
FITTING

QUICKDISCONNECT
COUPLING

UNION

PLUG

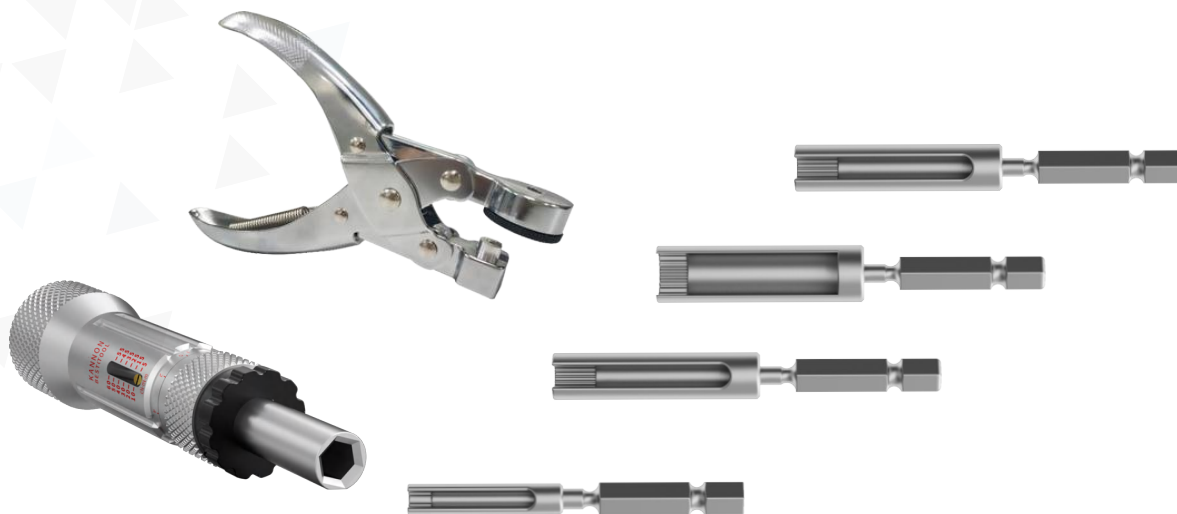
BARBED
FILTER

BARBED
CHECK VALVE

TUBING

ACCESSORY

ATTACHED
SHEET



Accessories

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

104**Torque Wrenches**

Include torque wrenches,
electric screwdrivers, and driver bits

105**Snap Ring Pliers**

Installation pliers
for snap ring kits

105**Tube Cutters**

The maximum tube
cutting inner diameter is 6.0mm



Torque Wrenches

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

ⓘ Precautions

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



- * Torque Wrench
- * Torque Wrench Bit

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



- * Torque Wrench Bit
- * Electric Screwdriver Bit

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



- * HFL6/Compact Flanged Fittings



- * HBL6/Compact Rolling Thread Plug



- * HNF6/Compact Ferrule Fittings

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



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

T-ST/Torque Wrenches



Item Code	Compatible Bit
956002	All Torque Bit Heads



Item Code	Compatible Fitting Series
959015	Luer Fitting Series



Item Code	Compatible Fitting Series
809738	HF6/Compact Flanged Fittings HN6/Compact Ferrule Fittings



Item Code	Compatible Fitting Series
809739	HF/Standard Flanged Fittings HN/Standard Ferrule Fittings



Item Code	Compatible Fitting Series
959019	HFL6/Compact Flanged Fittings HNF6/Compact Ferrule Fittings



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



Item Code	Compatible Fitting Series
959027	HFL6-U40 Threaded Fittings



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



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



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

T-DT/Electric Screwdriver Bit



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



Item Code	Compatible Fitting Series
959008	HFL6/Compact Flanged Fittings HNF6/Compact Ferrule Fittings HBL6/Compact Rolling Thread Plug



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

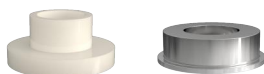


Snap Ring Pliers

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

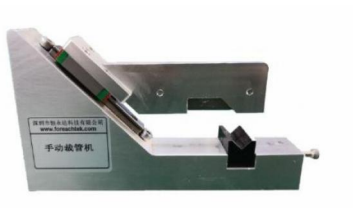
Related Products

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



Snap Ring Pliers

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



Tube Cutters

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

Tube Cutters

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

Chemical Compatibility Table

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

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

Chemical Compatibility Table

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

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

Material Characteristics

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

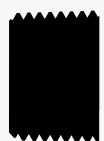
*Note: All materials listed above comply with RoHS 2.0 requirements.

Material Certification

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

Thread Size Comparison Table

Scale (1:1)

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

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

Pipe Diameter Size Comparison Table

Scale (1:1)

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

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



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