



Application Note

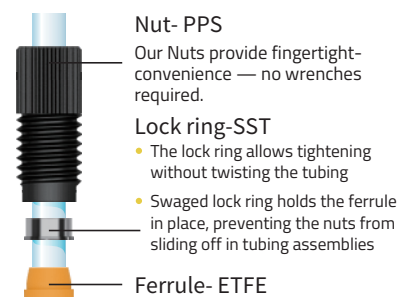
Step 1. Slide the nut, followed by the ferrule, at least 3/16" (4.7625mm) from the end of clean cut tubing

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

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

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

✱ Ensure the ferrule and nut are correctly oriented, with the pointed nut and flat sleeve facing the fitting.



Related Products

Tubing

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

Note 1: Other FEP/PTFE tube see pages 105-106

Hand Screwing Tooling

SKU	Model No.	Note
1006010632	YTSNGZ-03	Suitable for WF01B/WD01B
1006010658	YTSNGZ-14	Suitable for WF03G/WD03G
1066080003	N20LTDK	Torque detector

① hand screwing tooling
② Torque detector

Note 2: hand screwing tooling: extended handle for tightening hard pipe joints in narrow spaces; Torque detector: preset torque to prevent over-tightening.

Note 3: Recommended torque for different joints see selection table.

Flangeless Fitting —three-piece set

◆ Standard fittings with straight threads, which are tool-free and durable. Need to use with ETFE ferrule and stainless steel sleeve.

◆ With stainless steel sleeves, the rigid tube does not follow the rotation during screwing flangeless nut. Effectively eliminating the loose fittings in the tube caused by twisting, can be tighten even when vibrating.

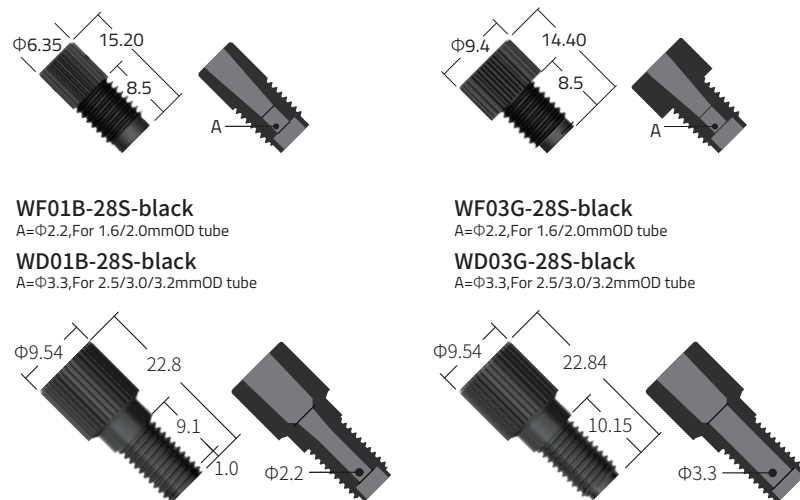
◆ Suitable for pre assembling tubelines and situations that often require disconnection.

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

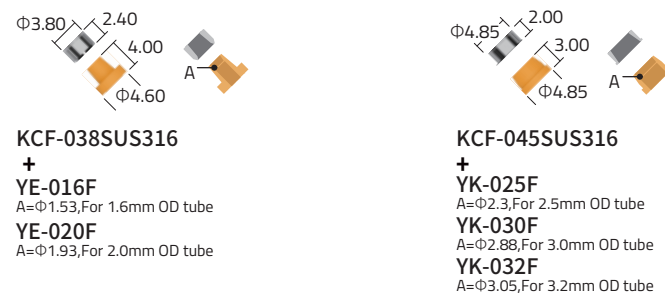
◆ Thread: 1/4-28UNF.

◆ REACH and RoHS Certified.

Nut



Lock Ring/Ferrule



SKU	Model No.	Thread	Tube OD	Torque	Pull-off Strength	Rapture pressure	Pressure Rating	Deformation Degree	Material
WF01B/WD01B									
1006010550	WF01B-28S-black * YE-016F * KCF-038SUS316	1/4-28UNF	1.6mm	0.3N·m	2.18kgf	10.32Mpa	7.22 Mpa	0.71	PPS*ETFE*SUS316
1006010551	WF01B-28S-black * YE-020F * KCF-038SUS316	1/4-28UNF	2.0mm	0.3N·m	2.55kgf	8.54 Mpa	5.99 Mpa	0.76	PPS*ETFE*SUS316
1006010552	WD01B-28S-black * YK-025F * KCF-045SUS316	1/4-28UNF	2.5mm	0.3N·m	2.95kgf	7.60 Mpa	5.32 Mpa	0.75	PPS*ETFE*SUS316
1006010553	WD01B-28S-black * YK-030F * KCF-045SUS316	1/4-28UNF	3.0mm	0.3N·m	4.24kgf	5.80 Mpa	4.06 Mpa	0.76	PPS*ETFE*SUS316
1006010554	WD01B-28S-black * YK-032F * KCF-045SUS316	1/4-28UNF	3.2mm	0.3N·m	4.20kgf	6.49 Mpa	4.54 Mpa	0.75	PPS*ETFE*SUS316
1006010722	WF01B-28S-red * YE-016F * KCF-038SUS316	1/4-28UNF	1.6mm	0.3N·m	2.18kgf	10.32Mpa	7.22 Mpa	0.71	PPS*ETFE*SUS316
1006010729	WF01B-28S-red * YE-020F * KCF-038SUS316	1/4-28UNF	2.0mm	0.3N·m	2.55kgf	8.54 Mpa	5.99 Mpa	0.76	PPS*ETFE*SUS316
1006010701	WD01B-28S-red * YK-025F * KCF-045SUS316	1/4-28UNF	2.5mm	0.3N·m	2.95kgf	7.60 Mpa	5.32 Mpa	0.75	PPS*ETFE*SUS316
1006010708	WD01B-28S-red * YK-030F * KCF-045SUS316	1/4-28UNF	3.0mm	0.3N·m	4.24kgf	5.80 Mpa	4.06 Mpa	0.76	PPS*ETFE*SUS316
1006010715	WD01B-28S-red * YK-032F * KCF-045SUS316	1/4-28UNF	3.2mm	0.3N·m	4.20kgf	6.49 Mpa	4.54 Mpa	0.75	PPS*ETFE*SUS316
1006010723	WF01B-28S-yellow * YE-016F * KCF-038SUS316	1/4-28UNF	1.6mm	0.3N·m	2.18kgf	10.32Mpa	7.22 Mpa	0.71	PPS*ETFE*SUS316
1006010730	WF01B-28S-yellow * YE-020F * KCF-038SUS316	1/4-28UNF	2.0mm	0.3N·m	2.55kgf	8.54 Mpa	5.99 Mpa	0.76	PPS*ETFE*SUS316
1006010702	WD01B-28S-yellow * YK-025F * KCF-045SUS316	1/4-28UNF	2.5mm	0.3N·m	2.95kgf	7.60 Mpa	5.32 Mpa	0.75	PPS*ETFE*SUS316
1006010709	WD01B-28S-yellow * YK-030F * KCF-045SUS316	1/4-28UNF	3.0mm	0.3N·m	4.24kgf	5.80 Mpa	4.06 Mpa	0.76	PPS*ETFE*SUS316
1006010716	WD01B-28S-yellow * YK-032F * KCF-045SUS316	1/4-28UNF	3.2mm	0.3N·m	4.20kgf	6.49 Mpa	4.54 Mpa	0.75	PPS*ETFE*SUS316
1006010724	WF01B-28S-green * YE-016F * KCF-038SUS316	1/4-28UNF	1.6mm	0.3N·m	2.18kgf	10.32Mpa	7.22 Mpa	0.71	PPS*ETFE*SUS316
1006010731	WF01B-28S-green * YE-020F * KCF-038SUS316	1/4-28UNF	2.0mm	0.3N·m	2.55kgf	8.54 Mpa	5.99 Mpa	0.76	PPS*ETFE*SUS316
1006010703	WD01B-28S-green * YK-025F * KCF-045SUS316	1/4-28UNF	2.5mm	0.3N·m	2.95kgf	7.60 Mpa	5.32 Mpa	0.75	PPS*ETFE*SUS316
1006010710	WD01B-28S-green * YK-030F * KCF-045SUS316	1/4-28UNF	3.0mm	0.3N·m	4.24kgf	5.80 Mpa	4.06 Mpa	0.76	PPS*ETFE*SUS316
1006010717	WD01B-28S-green * YK-032F * KCF-045SUS316	1/4-28UNF	3.2mm	0.3N·m	4.20kgf	6.49 Mpa	4.54 Mpa	0.75	PPS*ETFE*SUS316
1006010725	WF01B-28S-Beige blue * YE-016F * KCF-038SUS316	1/4-28UNF	1.6mm	0.3N·m	2.18kgf	10.32Mpa	7.22 Mpa	0.71	PPS*ETFE*SUS316
1006010732	WF01B-28S-Beige blue * YE-020F * KCF-038SUS316	1/4-28UNF	2.0mm	0.3N·m	2.55kgf	8.54 Mpa	5.99 Mpa	0.76	PPS*ETFE*SUS316
1006010704	WD01B-28S-Beige blue * YK-025F * KCF-045SUS316	1/4-28UNF	2.5mm	0.3N·m	2.95kgf	7.60 Mpa	5.32 Mpa	0.75	PPS*ETFE*SUS316
1006010711	WD01B-28S-Beige blue * YK-030F * KCF-045SUS316	1/4-28UNF	3.0mm	0.3N·m	4.24kgf	5.80 Mpa	4.06 Mpa	0.76	PPS*ETFE*SUS316
1006010718	WD01B-28S-Beige blue * YK-032F * KCF-045SUS316	1/4-28UNF	3.2mm	0.3N·m	4.20kgf	6.49 Mpa	4.54 Mpa	0.75	PPS*ETFE*SUS316
1006010726	WF01B-28S-Dark Blue * YE-016F * KCF-038SUS316	1/4-28UNF	1.6mm	0.3N·m	2.18kgf	10.32Mpa	7.22 Mpa	0.71	PPS*ETFE*SUS316
1006010733	WF01B-28S-Dark Blue * YE-020F * KCF-038SUS316	1/4-28UNF	2.0mm	0.3N·m	2.55kgf	8.54 Mpa	5.99 Mpa	0.76	PPS*ETFE*SUS316
1006010705	WD01B-28S-Dark Blue * YK-025F * KCF-045SUS316	1/4-28UNF	2.5mm	0.3N·m	2.95kgf	7.60 Mpa	5.32 Mpa	0.75	PPS*ETFE*SUS316
1006010712	WD01B-28S-Dark Blue * YK-030F * KCF-045SUS316	1/4-28UNF	3.0mm	0.3N·m	4.24kgf	5.80 Mpa	4.06 Mpa	0.76	PPS*ETFE*SUS316
1006010719	WD01B-28S-Dark Blue * YK-032F * KCF-045SUS316	1/4-28UNF	3.2mm	0.3N·m	4.20kgf	6.49 Mpa	4.54 Mpa	0.75	PPS*ETFE*SUS316
1006010727	WF01B-28S-purple * YE-016F * KCF-038SUS316	1/4-28UNF	1.6mm	0.3N·m	2.18kgf	10.32Mpa	7.22 Mpa	0.71	PPS*ETFE*SUS316
1006010734	WF01B-28S-purple * YE-020F * KCF-038SUS316	1/4-28UNF	2.0mm	0.3N·m	2.55kgf	8.54 Mpa	5.99 Mpa	0.76	PPS*ETFE*SUS316
1006010706	WD01B-28S-purple * YK-025F * KCF-045SUS316	1/4-28UNF	2.5mm	0.3N·m	2.95kgf	7.60 Mpa	5.32 Mpa	0.75	PPS*ETFE*SUS316
1006010713	WD01B-28S-purple * YK-030F * KCF-045SUS316	1/4-28UNF	3.0mm	0.3N·m	4.24kgf	5.80 Mpa	4.06 Mpa	0.76	PPS*ETFE*SUS316
1006010720	WD01B-28S-purple * YK-032F * KCF-045SUS316	1/4-28UNF	3.2mm	0.3N·m	4.20kgf	6.49 Mpa	4.54 Mpa	0.75	PPS*ETFE*SUS316
1006010728	WF01B-28S-brown * YE-016F * KCF-038SUS316	1/4-28UNF	1.6mm	0.3N·m	2.18kgf	10.32Mpa	7.22 Mpa	0.71	PPS*ETFE*SUS316
1006010735	WF01B-28S-brown * YE-020F * KCF-038SUS316	1/4-28UNF	2.0mm	0.3N·m	2.55kgf	8.54 Mpa	5.99 Mpa	0.76	PPS*ETFE*SUS316
1006010707	WD01B-28S-brown * YK-025F * KCF-045SUS316	1/4-28UNF	2.5mm	0.3N·m	2.95kgf	7.60 Mpa	5.32 Mpa	0.75	PPS*ETFE*SUS316
1006010714	WD01B-28S-brown * YK-030F * KCF-045SUS316	1/4-28UNF	3.0mm	0.3N·m	4.24kgf	5.80 Mpa	4.06 Mpa	0.76	PPS*ETFE*SUS316
1006010721	WD01B-28S-brown * YK-032F * KCF-045SUS316	1/4-28UNF	3.2mm	0.3N·m	4.20kgf	6.49 Mpa	4.54 Mpa	0.75	PPS*ETFE*SUS316
1006010758	WF01B-28S-black * YE-016K * KCF-038SUS316	1/4-28UNF	1.6mm	0.3N·m	—	—	—	—	PPS*PEEK*SUS316
1006010759	WF01B-28S-black * YE-020K * KCF-038SUS316	1/4-28UNF	2.0mm	0.3N·m	—	—	—	—	PPS*PEEK*SUS316
1006010760	WD01B-28S-black * YK-025K * KCF-045SUS316	1/4-28UNF	2.5mm	0.3N·m	—	—	—	—	PPS*PEEK*SUS316
1006010761	WD01B-28S-black * YK-030K * KCF-045SUS316	1/4-28UNF	3.0mm	0.3N·m	—	—	—	—	PPS*PEEK*SUS316
1006010762	WD01B-28S-black * YK-032K * KCF-045SUS316	1/4-28UNF	3.2mm	0.3N·m	—	—	—	—	PPS*PEEK*SUS316
1006010763	WF01B-28S-red * YE-016K * KCF-038SUS316	1/4-28UNF	1.6mm	0.3N·m	—	—	—	—	PPS*PEEK*SUS316
1006010764	WF01B-28S-red * YE-020K * KCF-038SUS316	1/4-28UNF	2.0mm	0.3N·m	—	—	—	—	PPS*PEEK*SUS316
1006010765	WD01B-28S-red * YK-025K * KCF-045SUS316	1/4-28UNF	2.5mm	0.3N·m	—	—	—	—	PPS*PEEK*SUS316
1006010766	WD01B-28S-red * YK-030K * KCF-045SUS316	1/4-28UNF	3.0mm	0.3N·m	—	—	—	—	PPS*PEEK*SUS316
1006010767	WD01B-28S-red * YK-032K * KCF-045SUS316	1/4-28UNF	3.2mm	0.3N·m	—	—	—	—	PPS*PEEK*SUS316
1006010768	WF01B-28S-yellow * YE-016K * KCF-038SUS316	1/4-28UNF	1.6mm	0.3N·m	—	—	—	—	PPS*PEEK*SUS316
1006010769	WF01B-28S-yellow * YE-020K * KCF-038SUS316	1/4-28UNF	2.0mm	0.3N·m	—	—	—	—	PPS*PEEK*SUS316
1006010770	WD01B-28S-yellow * YK-025K * KCF-045SUS316	1/4-28UNF	2.5mm	0.3N·m	—	—	—	—	PPS*PEEK*SUS316
1006010771	WD01B-28S-yellow * YK-030K * KCF-045SUS316	1/4-28UNF	3.0mm	0.3N·m	—	—	—	—	PPS*PEEK*SUS316
1006010772	WD01B-28S-yellow * YK-032K * KCF-045SUS316	1/4-28UNF	3.2mm	0.3N·m	—	—	—	—	PPS*PEEK*SUS316
1006010773	WF01B-28S-green * YE-016K * KCF-038SUS316	1/4-28UNF	1.6mm	0.3N·m	—	—	—	—	PPS*PEEK*SUS316
1006010774	WF01B-28S-green * YE-020K * KCF-038SUS316	1/4-28UNF	2.0mm	0.3N·m	—	—	—	—	PPS*PEEK*SUS316
1006010775	WD01B-28S-green * YK-025K * KCF-045SUS316	1/4-28UNF	2.5mm	0.3N·m	—	—	—	—	PPS*PEEK*SUS316
1006010776	WD01B-28S-green * YK-030K * KCF-045SUS316	1/4-28UNF	3.0mm	0.3N·m	—	—	—	—	PPS*PEEK*SUS316
1006010777	WD01B-28S-green * YK-032K * KCF-045SUS316	1/4-28UNF	3.2mm	0.3N·m	—	—	—	—	PPS*PEEK*SUS316

* See Page 7 (Joint Overview) for definitions of pull-off force, failure value, pressure resistance & tube deformation. Tested with FEP tube.: 0.8*1.6、1.0*2.0 (1.2*2.0)、1.5*2.5、2.0*3.0、1.6*3.2mm