

Threaded Fittings

Maintain a permanent connection

Sturdy threaded fittings are designed for permanent installation. Use with our rigid tubing for your high-pressure applications. Order tubing separately on pages 988–1017.

Specifications

Brass. Good chemical resistance.

Temp range: -85 to 482°F (-65 to 250°C).

High-density polyethylene (HDPE). Very good chemical resistance. Rated at 150 psi at 77°F (25°C). Temp range: -65 to 190°F (-53 to 87°C). Sterilize by ethylene oxide (EtO) only.

Linear low-density polyethylene (LLDPE). Very good chemical resistance. Temp range: -65 to 150°F (-54 to 66°C). Sterilize by EtO only.

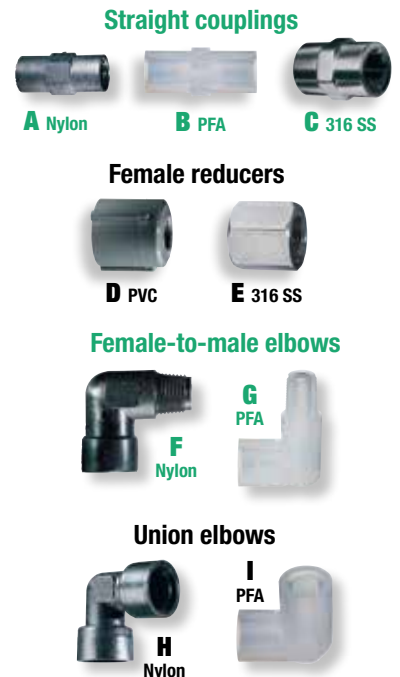
Nylon. Good chemical resistance. Rated at 200 psi at 77°F (25°C). Temp range: -40 to 200°F (-40 to 93°C). Sterilize by EtO only.

Polypropylene (PP). Very good chemical resistance. Rated at 200 psi at 77°F (25°C). Temp range: 0 to 275°F (-17 to 135°C). Sterilize by EtO or gamma irradiation.

PVDF. Excellent chemical resistance. Rated at 200 psi at 77°F (25°C). Temp range: -79 to 275°F (-62 to 135°C). Sterilize by EtO or autoclave.

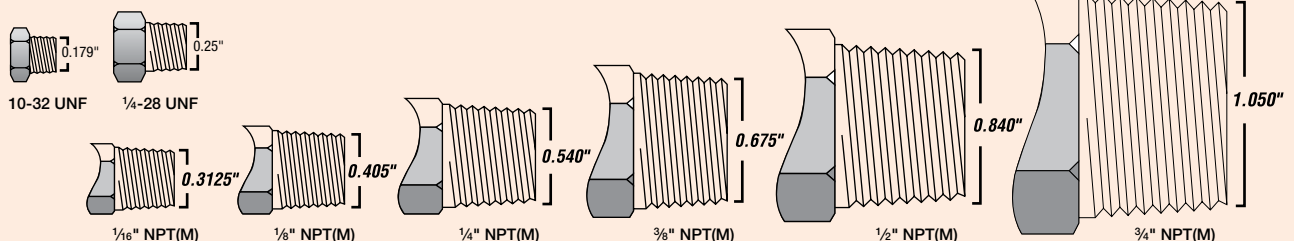
Thread size	Material	Key	Catalog number	Qty/ pk	Price/ pk
Straight couplings, NPT(F)					
1/8"	Nylon	A	GY-06349-00	6	
1/8"	PFA	B	GY-06546-00	1	
1/8"	316 SS	C	GY-31410-00	1	
1/4"	Nylon	A	GY-06349-01	6	
1/4"	PFA	B	GY-06546-01	1	
1/4"	316 SS	C	GY-31410-01	1	
3/8"	Nylon	A	GY-06349-02	6	
3/8"	PFA	B	GY-06546-02	1	
3/8"	316 SS	C	GY-31410-02	1	
1/2"	Nylon	A	GY-06349-03	6	
1/2"	PFA	B	GY-06546-03	1	
1/2"	316 SS	C	GY-31410-03	1	
3/4"	Nylon	A	GY-06349-04	6	
3/4"	PFA	B	GY-06546-04	1	
3/4"	316 SS	C	GY-31410-04	1	
1"	316 SS	C	GY-31410-05	1	
Female reducers, NPT(F) x NPT(F)					
1/4" x 1/8"	PVC	D	GY-06349-91	6	
1/4" x 1/8"	316 SS	E	GY-31211-10	1	
3/8" x 1/4"	PVC	D	GY-06349-92	6	
3/8" x 1/4"	316 SS	E	GY-31410-12	1	
1/2" x 1/8"	316 SS	E	GY-31410-13	1	
1/2" x 1/4"	PVC	D	GY-06349-93	6	
1/2" x 1/4"	316 SS	E	GY-31410-14	1	
1/2" x 3/8"	PVC	D	GY-06349-94	6	
1/2" x 3/8"	316 SS	E	GY-31410-15	1	
3/4" x 1/4"	316 SS	E	GY-31410-16	1	
3/4" x 1/2"	PVC	D	GY-06349-95	6	
1" x 1/2"	316 SS	E	GY-31410-18	1	
1" x 3/4"	316 SS	E	GY-31410-19	1	

Thread size	Material	Key	Catalog number	Qty/ pk	Price/ pk
Female-to-male elbows, NPT(F) x NPT(M)					
1/8"	Nylon	F	GY-06349-40	6	
1/8"	PFA	G	GY-06546-12	1	
1/4"	Nylon	F	GY-06349-41	6	
1/4"	PFA	G	GY-06546-13	1	
3/8"	Nylon	F	GY-06349-42	6	
3/8"	PFA	G	GY-06546-14	1	
1/2"	Nylon	F	GY-06349-43	6	
1/2"	PFA	G	GY-06546-15	1	
3/4"	PFA	G	GY-06546-16	1	
Union elbows, NPT(F)					
1/8"	Nylon	H	GY-06349-60	6	
1/8"	PFA	I	GY-06546-32	1	
1/4"	Nylon	H	GY-06349-61	6	
1/4"	PFA	I	GY-06546-33	1	
3/8"	Nylon	H	GY-06349-62	6	
3/8"	PFA	I	GY-06546-34	1	
1/2"	Nylon	H	GY-06349-63	6	
1/2"	PFA	I	GY-06546-35	1	
3/4"	Nylon	H	GY-06349-64	6	
3/4"	PFA	I	GY-06546-36	1	



Pipe Thread Sizes

Originally, pipes were specified with a standardized outside diameter (OD) and wall thickness so the nominal pipe size would approximately equal the inside diameter (ID). Because this relationship between the OD, wall thickness, and nominal pipe size no longer holds true, NPT (National Pipe Taper) and UNF (Unified Fine Thread) inch scales are different from the standard English inch scale. The drawings below illustrate this difference—if you are uncertain about the fitting size you require, compare your existing fitting to the drawings below.



Teky's Tips



Cole-Parmer also offers BSP (British Standard Pipe) fittings for connecting systems that use both NPT and BSP thread configurations. See the table at right for a comparison of these two thread styles.

Size	Threads per inch	
	NPT	BSP
1/8"	27	28
1/4"	18	19
3/8"	18	19
1/2"	14	14
3/4"	14	14