

Before you select a fitting, keep in mind:

1 Tubing














Barbed fittings work best with flexible tubing such as silicone or PharMed® BPT. Compression fittings work well with rigid tubing such as PTFE or polypropylene.

2 Material Compatibility

Fluids that are incompatible with fitting material may cause leakage or system damage. For highly corrosive fluids, PTFE fittings are best.

3 Temperature and Pressure

Make sure the fittings you choose are rated for your operating conditions. Most fittings are not capable of performing at their maximum temperature and maximum pressure ratings simultaneously.

Fitting Type	Applications	Features/Benefits	Available Materials	Page(s)
 Barbed	Slide easily into soft tubing. Tubing elasticity holds the tubing onto the fitting for low-pressure installations.	Quick and easy use, economical enough for single use.	Brass, HDPE, PVDF, PFA, PP, PVC, Nylon, Stainless Steel	302-309
 Flare compression	Alternative to standard compression and John Guest® style fittings where PFA tubing is used. Superior chemical resistance for critical applications.	Excellent chemical resistance; leak tight; high-pressure threshold; low dead volume reduces particle entrapment and limits bacterial growth.	PFA	Contact your local representative
 Quick-disconnect couplings	Make and break tubing connections without separating tubing from fitting. Available with barbed, pipe, compression, and John Guest connections.	Being able to create your own combinations enhances flexibility; switching lines is easy and intuitive for decreased downtime and increased efficiency; additional safety with valved fittings to reduce spills; convenient one-handed use.	Acetal, PP, PC, PE, PSF, Stainless Steel, Chrome-Plated Brass	324-331
 High-pressure chromatography	Compression fitting designed for HPLC and other high-pressure applications.	4000 to 10,000 psi	PEEK, Stainless Steel, ETFE	Contact your local representative
 Threaded	Permanent installation. Use with rigid tubing.	High-pressure capability	Brass, HDPE, PVDF, LDPE, PP, Nylon, Stainless Steel, PVC	316-318
 Push-to-connect	Connection to semirigid plastic tubing (PP, PE, Nylon) and soft metal (brass, copper, mild steel) tubing. Adapters allow for use with flexible tubing.	Secure connections; quick disconnections; only one fitting required for a complete connection.	Acetal, PP, PVDF, Stainless Steel	335-336
 PTFE fittings and filters	Critical applications requiring chemically inert fittings where rigid tubing is used and multiple port connections.	1000 psi max; high chemical resistance; multiple port configurations; color coded caps available for coding of multiple fluid lines; low dead volume.	PTFE	342
 Sanitary clamp	Designed for contamination-free tubing connections—most fittings are autoclavable and meet FDA and USDA requirements and 3A Sanitary Standards.	Reduced surface area for bacterial growth, steam in place for sterilization.	PP, PVDF, PFA, PSF, Stainless Steel	337-339
 Dispensing nozzles	Dispensing and filling applications	Increased accuracy and reliability, minimize splashing and dripping during dispensing.	SS	715
 Compression	Nut compresses rigid tubing against fitting body for high-pressure applications.	Higher pressure capability	Brass, PVDF, Nylon, PFA, PP, Stainless Steel	311-315
 Luer	Works with microtubing and luer-type syringes. Standard-sized connecting ends for interchangeable, surefire installations.	Easy connection; material traceability; connect syringes to tubing for small volume applications; twist to lock ensures complete connection.	PP, PC, PVDF, Nylon, PC, ETFE, PTFE, Stainless Steel, Nickel-Plated Brass	319-323
 Sanitary gaskets	Use with sanitary fittings	Ensure proper leak-proof connection of sanitary/tri-clamp fittings, absorb tension of tightening fittings	Silicone, EPDM, Buna N, FKM, PTFE, Tuf-Flex®	340-341
 Cam couplers	Quick-disconnecting fittings for use with hose. Connect a female coupler to a male adapter and pull down the arms for a secure connection.	Capable of withstanding high-pressure applications	PP, PVDF, Stainless Steel, PTFE	Contact your local representative

Barbed Fittings (Continued)

No tools needed for assembly

Barbed fittings are designed for quick and easy assembly without tools. Combine these simple, economical fittings with our flexible tubing for use in your low-pressure applications (generally less than 30 psi). Order tubing on pages 988-1017.



Specifications

Brass. Good chemical resistance.

Temp range: -85 to 250°F (-65 to 121°C).
Not recommended for sterilization.

High-Density Polyethylene (HDPE). Very good chemical resistance. Temp range: -65 to 150°F (-53 to 65°C). Sterilize by ethylene oxide only.

PVDF. Excellent chemical resistance. Temp range: -80 to 265°F (-62 to 129°C). Sterilize by ethylene oxide or autoclave.

Nylon. Good chemical resistance.

Temp range: -50 to 250°F (-46 to 121°C).
Sterilize by ethylene oxide only.

PFA. Excellent chemical resistance.

Temp range: 0 to 400°F (-17 to 204°C).
Sterilize by ethylene oxide or autoclave.

Polypropylene (PP). Very good chemical resistance. Temp range: 9 to 180°F (-13 to 66°C). Sterilize by ethylene oxide or gamma irradiation.

Black PP: Temp range: 9 to 180°F (-13 to 66°C).
Sterilize by ethylene oxide or autoclave.

Clear PP: Temp range: 32 to 275°F (0 to 135°C).
Sterilize by ethylene oxide or autoclave.

White PP: Temp range: 9 to 180°F (-13 to 66°C).
Sterilize by autoclave only.

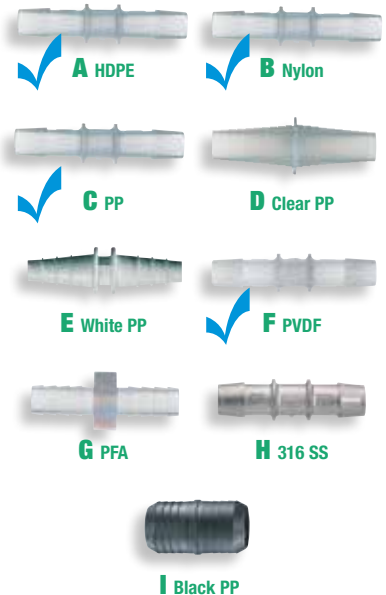
PVC. Good chemical resistance. Rated at 340 psi at 77°F (25°C). Temp range: -10 to 140°F (-23 to 60°C). Sterilize by ethylene oxide only.

Stainless Steel (316 SS). Very good chemical resistance. Rated at 200 psi at 77°F (25°C). Temp range: -40 to 200°F (-40 to 93°C). Sterilize by ethylene oxide, autoclave, or gamma irradiation.

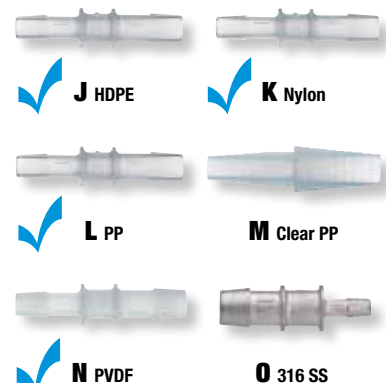
Tubing ID	Material	Key	Catalog number	Qty/ pk	Price/ pk
Straight connectors					
1/16"	HDPE	A	GY-30622-47	10	
1/16"	Nylon	B	GY-30622-48	10	
1/16"	PP	C	GY-40622-49	10	
1/16"	Clear PP	D	GY-06365-11	25	
1/16"	PVDF	F	GY-30703-00	10	
3/32"	HDPE	A	GY-30622-44	10	
3/32"	Nylon	B	GY-30622-45	10	
3/32"	PP	C	GY-40622-46	10	
3/32"	Clear PP	D	GY-06365-33	25	
3/32"	PVDF	F	GY-30703-01	10	
1/8"	HDPE	A	GY-30622-53	10	
1/8"	Nylon	B	GY-30622-54	10	
1/8"	PP	C	GY-41518-05	10	
1/8"	Clear PP	D	GY-06365-22	25	
1/8"	PVDF	F	GY-30703-02	10	
1/8"	316 SS	H	GY-30620-01	1	
5/32"	HDPE	A	GY-30622-50	10	
5/32"	Nylon	B	GY-30622-51	10	
5/32"	PP	C	GY-40622-52	10	
5/32"	PVDF	F	GY-30703-03	10	
5/32"	PFA	G	GY-06383-95	1	
4-5.25 mm	White PP	E	GY-06288-10	10	
3/16"	HDPE	A	GY-30622-55	10	
3/16"	Nylon	B	GY-30622-56	10	
3/16"	PP	C	GY-40622-57	10	
3/16"	PVDF	F	GY-30703-04	10	
3/16"	316 SS	H	GY-30620-03	1	
5 mm	Clear PP	D	GY-06459-10	12	
6 mm	Clear PP	D	GY-06459-20	12	
6-8 mm	White PP	E	GY-06288-20	10	
1/4"	HDPE	A	GY-30621-85	10	
1/4"	Nylon	B	GY-30621-86	10	
1/4"	PP	C	GY-40610-00	10	
1/4"	PVDF	F	GY-30703-05	10	
1/4"	PFA	G	GY-06383-96	1	
1/4"	316 SS	H	GY-30620-04	1	
5/16"	HDPE	A	GY-30621-87	10	
5/16"	Nylon	B	GY-30621-88	10	
5/16"	PP	C	GY-40610-01	10	
5/16"	PVDF	F	GY-30703-06	10	
5/16"	316 SS	G	GY-30620-02	1	
8-10 mm	White PP	E	GY-06288-30	10	
9 mm	Clear PP	D	GY-06459-30	12	
3/8"	HDPE	A	GY-30621-89	10	
3/8"	Nylon	B	GY-30621-90	10	
3/8"	PP	C	GY-40610-02	10	
3/8"	PVDF	F	GY-30703-07	10	
3/8"	PFA	G	GY-06383-97	1	
3/8"	316 SS	H	GY-30620-05	1	
10-12 mm	White PP	E	GY-06288-40	10	
12-14 mm	White PP	E	GY-06288-50	10	

Tubing ID	Material	Key	Catalog number	Qty/ pk	Price/ pk
Straight connectors—continued					
1/2"	HDPE	A	GY-30621-92	10	
1/2"	Nylon	B	GY-30621-93	10	
1/2"	PP	C	GY-40610-03	10	
1/2"	PVDF	F	GY-30703-08	10	
1/2"	316 SS	H	GY-30620-06	1	
13 mm	Clear PP	D	GY-06459-40	12	
5/8"	HDPE	A	GY-30621-79	10	
5/8"	Nylon	B	GY-30621-80	10	
5/8"	PP	C	GY-40610-04	10	
5/8"	PVDF	F	GY-30703-09	10	
5/8"	316 SS	H	GY-30620-07	1	
3/4"	HDPE	A	GY-30621-81	10	
3/4"	Nylon	B	GY-30621-82	10	
3/4"	PP	C	GY-40610-05	5	
3/4"	PVDF	F	GY-30703-10	5	
3/4"	316 SS	H	GY-30620-08	1	
14-16 mm	White PP	E	GY-06288-60	10	
1"	HDPE	A	GY-30621-83	10	
1"	Nylon	B	GY-30621-84	10	
1"	PP	C	GY-40610-06	5	
1"	PVDF	F	GY-30703-11	5	
1 1/4"	Nylon	B	GY-31408-00	5	
1 1/4"	Black PP	I	GY-31407-00	5	
1 1/2"	Nylon	B	GY-31408-01	5	
1 1/2"	Black PP	I	GY-31407-01	5	
2"	Nylon	B	GY-31408-02	5	
2"	Black PP	I	GY-31407-02	5	
Reducing connectors					
3/32" x 1/16"	HDPE	J	GY-31518-22	10	
3/32" x 1/16"	Nylon	K	GY-30621-94	25	
3/32" x 1/16"	PP	L	GY-40621-95	25	
3/32" x 1/16"	PVDF	N	GY-30703-40	10	
1/8" x 1/16"	HDPE	J	GY-31518-29	10	
1/8" x 1/16"	Nylon	K	GY-30622-22	25	
1/8" x 1/16"	PP	L	GY-40622-23	25	
1/8" x 1/16"	PVDF	N	GY-30703-41	10	
1/8" x 1/16"	316 SS	O	GY-30620-09	1	
1/8" x 3/32"	HDPE	J	GY-31518-31	10	
1/8" x 3/32"	Nylon	K	GY-30622-20	25	
1/8" x 3/32"	PP	L	GY-40622-21	25	
1/8" x 3/32"	PVDF	N	GY-30703-42	10	
1/8" x 3/16"	316 SS	O	GY-30620-10	1	
3/16" x 1/16"	PVDF	N	GY-30703-46	10	
3/16" x 3/32"	PVDF	N	GY-30703-47	10	
3/16" x 1/8"	HDPE	J	GY-31518-33	10	
3/16" x 1/8"	PP	L	GY-41518-34	10	
3/16" x 1/8"	PVDF	N	GY-30703-48	10	
3/16" x 5/32"	PVDF	N	GY-30703-49	10	
1/4" x 1/8"	HDPE	J	GY-30622-27	10	
1/4" x 1/8"	Nylon	K	GY-30622-28	10	
1/4" x 1/8"	PP	L	GY-41518-36	10	
1/4" x 1/8"	PVDF	N	GY-30703-50	10	

Straight connectors



Reducing connectors

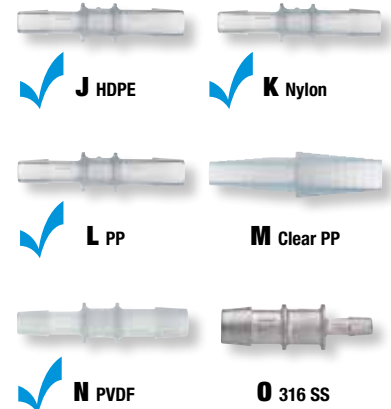




Tubing ID	Material	Key	Catalog number	Qty/ pk	Price/ pk
Reducing connectors—continued					
1/4" x 5/32"	HDPE	J	GY-30622-24	10	
1/4" x 5/32"	Nylon	K	GY-30622-25	10	
1/4" x 5/32"	PP	L	GY-40622-26	10	
1/4" x 5/32"	PVDF	N	GY-30703-51	10	
1/4" x 3/16"	HDPE	J	GY-30622-29	10	
1/4" x 3/16"	Nylon	K	GY-30622-30	10	
1/4" x 3/16"	PP	L	GY-40622-32	10	
1/4" x 3/16"	PVDF	N	GY-30703-52	10	
5/16" x 1/4"	HDPE	J	GY-30622-33	10	
5/16" x 1/4"	Nylon	K	GY-30622-34	10	
5/16" x 1/4"	PP	L	GY-40610-07	10	
5/16" x 1/4"	PVDF	N	GY-30703-53	10	
3/8" x 1/4"	HDPE	J	GY-30622-35	10	
3/8" x 1/4"	Nylon	K	GY-30703-99	10	
3/8" x 1/4"	PP	L	GY-40610-08	10	
3/8" x 1/4"	PVDF	N	GY-30703-54	10	
3/8" x 3/16"	HDPE	J	GY-30622-36	10	
3/8" x 3/16"	PP	L	GY-40610-09	10	
3/8" x 3/16"	PVDF	N	GY-30703-55	10	
5/32" x 1/16"	PVDF	N	GY-30703-43	10	
5/32" x 3/32"	PVDF	N	GY-30703-44	10	
5/32" x 1/8"	HDPE	J	GY-30622-17	10	
5/32" x 1/8"	Nylon	K	GY-30622-18	10	
5/32" x 1/8"	PP	L	GY-40622-19	10	
5/32" x 1/8"	PVDF	N	GY-30703-45	10	
6 x 5 mm	Clear PP	M	GY-06458-10	12	
9 x 5 mm	Clear PP	M	GY-06458-20	12	
9 x 6 mm	Clear PP	M	GY-06458-40	12	
1/2" x 1/4"	HDPE	J	GY-30622-38	10	
1/2" x 1/4"	Nylon	K	GY-30622-39	10	
1/2" x 1/4"	PP	L	GY-40610-10	10	
1/2" x 1/4"	PVDF	N	GY-30703-56	10	
1/2" x 1/4"	316 SS	O	GY-30620-11	1	
1/2" x 3/16"	HDPE	J	GY-30622-40	10	
1/2" x 3/16"	Nylon	K	GY-30622-41	10	
1/2" x 3/16"	PP	L	GY-40610-11	10	
1/2" x 3/16"	PVDF	N	GY-30703-57	10	
1/2" x 3/8"	HDPE	J	GY-30622-42	10	
1/2" x 3/8"	Nylon	K	GY-30622-43	10	
1/2" x 3/8"	PP	L	GY-40610-12	10	
1/2" x 3/8"	PVDF	N	GY-30703-58	10	
13 x 5 mm	Clear PP	M	GY-06458-30	12	
13 x 6 mm	Clear PP	M	GY-06458-50	12	
13 x 9 mm	Clear PP	M	GY-06458-60	12	
5/8" x 1/4"	HDPE	J	GY-30621-96	10	
5/8" x 1/4"	Nylon	K	GY-30621-97	10	
5/8" x 1/4"	PP	L	GY-40610-13	10	
5/8" x 1/4"	PVDF	N	GY-30703-59	10	
5/8" x 3/16"	HDPE	J	GY-30621-98	10	
5/8" x 3/16"	Nylon	K	GY-30621-99	10	
5/8" x 3/16"	PP	L	GY-40610-14	10	
5/8" x 3/16"	PVDF	N	GY-30703-60	10	
5/8" x 3/8"	HDPE	J	GY-30622-00	10	
5/8" x 3/8"	Nylon	K	GY-30622-02	10	
5/8" x 3/8"	PP	L	GY-40610-15	10	
5/8" x 3/8"	PVDF	N	GY-30622-01	10	
5/8" x 1/2"	HDPE	J	GY-30622-03	10	
5/8" x 1/2"	Nylon	K	GY-30622-04	10	
5/8" x 1/2"	PP	L	GY-40610-16	10	
5/8" x 1/2"	PVDF	N	GY-30703-62	10	
3/4" x 3/8"	HDPE	J	GY-30622-07	5	
3/4" x 3/8"	Nylon	K	GY-30622-08	5	
3/4" x 3/8"	PP	L	GY-40610-17	5	
3/4" x 3/8"	PVDF	N	GY-30703-63	5	
3/4" x 1/2"	HDPE	J	GY-30622-09	5	
3/4" x 1/2"	Nylon	K	GY-30622-10	5	
3/4" x 1/2"	PP	L	GY-40610-18	5	
3/4" x 1/2"	PVDF	N	GY-30703-64	5	
3/4" x 1/2"	316 SS	O	GY-30620-12	1	
3/4" x 5/8"	HDPE	J	GY-30622-05	5	
3/4" x 5/8"	Nylon	K	GY-30622-06	5	
3/4" x 5/8"	PP	L	GY-40610-19	5	
3/4" x 5/8"	PVDF	N	GY-30703-65	5	

Tubing ID	Material	Key	Catalog number	Qty/ pk	Price/ pk
Reducing connectors—continued					
1" x 1/2"	HDPE	J	GY-30622-15	5	
1" x 1/2"	Nylon	K	GY-30622-16	5	
1" x 1/2"	PP	L	GY-40610-20	5	
1" x 1/2"	PVDF	N	GY-30703-66	5	
1" x 5/8"	HDPE	J	GY-30622-11	5	
1" x 5/8"	Nylon	K	GY-30622-12	5	
1" x 5/8"	PP	L	GY-40610-21	5	
1" x 5/8"	PVDF	N	GY-30703-67	5	
1" x 3/4"	HDPE	J	GY-30622-13	5	
1" x 3/4"	Nylon	K	GY-30622-14	5	
1" x 3/4"	PP	L	GY-40610-22	5	
1" x 3/4"	PVDF	N	GY-30703-68	5	
Elbow connectors					
1/16"	Clear PP	T	GY-06365-17	25	
1/16"	PVDF	V	GY-30703-20	10	
3/32"	HDPE	P	GY-30622-63	10	
3/32"	Nylon	Q	GY-30623-16	10	
3/32"	PP	S	GY-40622-64	10	
3/32"	PVDF	V	GY-30703-21	10	
3/32"	Clear PP	T	GY-06365-28	25	
1/8"	HDPE	P	GY-30622-71	10	
1/8"	Nylon	Q	GY-30623-18	10	
1/8"	PP	S	GY-40623-19	10	
1/8"	PVDF	V	GY-30703-22	10	
1/8"	316 SS	W	GY-30620-13	1	
3/16"	HDPE	P	GY-30622-72	10	
3/16"	Nylon	Q	GY-30622-74	10	
3/16"	PP	S	GY-40622-75	10	
3/16"	PVDF	V	GY-30622-73	10	
3/16"	316 SS	W	GY-30620-14	10	
4 mm	Clear PP	U	GY-06285-10	20	
6 mm	Clear PP	U	GY-06285-20	20	
1/4"	HDPE	P	GY-30622-76	10	
1/4"	Nylon	Q	GY-30622-77	10	
1/4"	PP	S	GY-40610-23	10	
1/4"	PVDF	V	GY-30703-25	10	
1/4"	316 SS	W	GY-30620-15	1	
5/16"	316 SS	W	GY-30620-16	1	
8 mm	Clear PP	U	GY-06285-30	20	
3/8"	HDPE	P	GY-30622-78	10	
3/8"	Nylon	Q	GY-30622-79	10	
3/8"	PP	S	GY-40610-24	10	
3/8"	PVDF	V	GY-30703-27	10	
3/8"	316 SS	W	GY-30620-17	1	
10 mm	Clear PP	U	GY-06285-40	20	
12 mm	Clear PP	T	GY-06285-50	20	
1/2"	HDPE	P	GY-30622-80	10	
1/2"	Nylon	Q	GY-30622-81	10	
1/2"	PP	S	GY-40610-25	10	
1/2"	PVDF	V	GY-30703-28	10	
1/2"	316 SS	W	GY-30620-18	1	
14 mm	Clear PP	U	GY-06285-60	10	
5/8"	HDPE	P	GY-30622-65	10	
5/8"	Nylon	Q	GY-30622-66	10	
5/8"	PP	S	GY-40610-26	10	
5/8"	PVDF	V	GY-30703-29	10	
5/8"	316 SS	W	GY-30620-19	1	
16 mm	Clear PP	U	GY-06285-70	10	
3/4"	HDPE	P	GY-30622-67	10	
3/4"	Nylon	Q	GY-30622-68	10	
3/4"	PP	S	GY-40610-27	5	
3/4"	PVDF	V	GY-30703-30	5	
3/4"	316 SS	W	GY-30620-20	1	
1"	HDPE	P	GY-30622-69	5	
1"	PP	S	GY-40610-28	5	
1"	Nylon	Q	GY-30622-70	10	
1"	PVDF	V	GY-30703-31	5	
1 1/4"	Nylon	Q	GY-31408-05	5	
1 1/4"	Black PP	R	GY-31407-05	5	
1 1/2"	Nylon	Q	GY-31408-06	5	
1 1/2"	Black PP	R	GY-31407-06	5	
2"	Nylon	Q	GY-31408-07	5	
2"	Black PP	R	GY-31407-07	5	

Reducing connectors (continued)



Elbow connectors



See next page for more...

Barbed Fittings (continued)

Barbed fittings are designed for quick and easy assembly without tools. Combine these simple, economical fittings with our flexible tubing for use in your low-pressure applications (generally less than 30 psi). Order tubing on pages 988–1017.

For material descriptions, refer to page 302.

T connectors



Tubing ID	Material	Key	Catalog number	Qty/ pk	Price/ pk
T connectors					
1/16"	Nylon	Y	GY-31500-30	25	
1/16"	HDPE	X	GY-30624-27	10	
1/16"	Nylon	Y	GY-30624-29	10	
1/16"	PP	Z	GY-40624-30	10	
1/16"	Clear PP	AA	GY-06365-77	25	
1/16"	PVDF	AC	GY-30703-70	10	
3/32"	HDPE	X	GY-30623-56	10	
3/32"	Nylon	Y	GY-30624-26	10	
3/32"	PP	Z	GY-40623-57	10	
3/32"	PP	Z	GY-40624-28	25	
3/32"	PVDF	AC	GY-30703-71	10	
1/8"	HDPE	X	GY-30623-64	10	
1/8"	Nylon	Y	GY-30623-65	10	
1/8"	PP	Z	GY-40623-66	25	
1/8"	PVDF	AC	GY-30703-72	10	
1/8"	316 SS	AE	GY-30620-25	1	
4 mm	Clear PP	AB	GY-06294-10	20	
3/16"	HDPE	X	GY-30623-67	10	
3/16"	Nylon	Y	GY-30623-69	10	
3/16"	PP	Z	GY-40623-70	25	
3/16"	PVDF	AC	GY-30624-31	10	
3/16"	316 SS	AE	GY-30620-26	1	
6 mm	Clear PP	AB	GY-06294-20	20	
1/4"	HDPE	X	GY-30623-71	10	
1/4"	Nylon	Y	GY-30623-72	10	
1/4"	PP	Z	GY-40610-30	10	
1/4"	PVDF	AC	GY-30703-75	10	
1/4"	316 SS	AE	GY-30620-27	1	
5/16"	HDPE	X	GY-30623-73	10	
5/16"	Nylon	Y	GY-30623-75	10	
5/16"	PP	Z	GY-40623-76	10	
5/16"	PVDF	AC	GY-30623-74	10	
5/16"	316 SS	AE	GY-30620-28	1	
8 mm	Clear PP	AB	GY-06294-30	20	
3/8"	HDPE	X	GY-30623-77	10	
3/8"	Nylon	Y	GY-30623-78	10	
3/8"	PP	Z	GY-40610-31	10	
3/8"	PVDF	AC	GY-30703-77	10	
3/8"	316 SS	AE	GY-30620-29	1	
10 mm	Clear PP	AB	GY-06294-40	20	
1/2"	HDPE	X	GY-30623-79	10	
1/2"	Nylon	Y	GY-30623-80	10	
1/2"	PP	Z	GY-40610-32	10	
1/2"	PVDF	AC	GY-30703-78	10	
1/2"	316 SS	AE	GY-30620-30	1	
12 mm	Clear PP	AB	GY-06294-50	20	
5/8"	HDPE	X	GY-30623-58	10	
5/8"	Nylon	Y	GY-30623-59	10	
5/8"	PP	Z	GY-40610-33	10	
5/8"	PVDF	AC	GY-30703-79	10	
5/8"	316 SS	AE	GY-30620-31	1	
14 mm	Clear PP	AB	GY-06294-60	10	
3/4"	HDPE	X	GY-30623-60	10	
3/4"	Nylon	Y	GY-30623-61	10	
3/4"	PP	Z	GY-40610-34	5	
3/4"	PVDF	AC	GY-30703-80	5	
3/4"	316 SS	AE	GY-30620-32	1	
16 mm	Clear PP	AB	GY-06294-70	10	
1"	HDPE	X	GY-30623-62	10	
1"	Nylon	Y	GY-30623-63	10	
1"	PP	Z	GY-40610-35	5	
1"	PVDF	AC	GY-30703-81	5	
1 1/4"	Nylon	Y	GY-31408-08	5	
1 1/4"	Black PP	AD	GY-31407-08	5	
1 1/2"	Nylon	Y	GY-31408-09	5	
1 1/2"	Black PP	AD	GY-31407-05	5	

Tubing ID	Material	Key	Catalog number	Qty/ pk	Price/ pk
Reducing T connectors (straight x branch)					
1/16" x 1/8"	316 SS	AI	GY-31208-41	1	
1/8" x 1/16"	316 SS	AI	GY-31208-42	1	
3/16" x 1/8"	316 SS	AI	GY-31208-44	1	
1/4" x 1/8"	316 SS	AI	GY-31208-45	1	
1/4" x 3/8"	316 SS	AI	GY-31208-46	1	
3/8" x 1/8"	316 SS	AI	GY-31208-47	1	
3/8" x 3/16"	HDPE	AF	GY-31702-47	10	
3/8" x 3/16"	Nylon	AG	GY-31702-45	10	
3/8" x 1/4"	Nylon	AG	GY-31702-57	10	
3/8" x 1/4"	316 SS	AI	GY-31208-48	1	
3/8" x 5/16"	316 SS	AI	GY-30620-33	1	
1/2" x 1/4"	Nylon	AG	GY-31702-61	10	
1/2" x 3/8"	HDPE	AF	GY-30401-56	10	
3/4" x 3/8"	PVDF	AH	GY-30703-96	10	
3/4" x 1/2"	HDPE	AF	GY-30401-59	10	
5/8" x 3/8"	HDPE	AF	GY-30401-63	10	
5/8" x 3/8"	PVDF	AH	GY-30703-95	10	
Y connectors					
1/16"	HDPE	AJ	GY-30726-01	10	
1/16"	Nylon	AK	GY-30726-21	10	
1/16"	PP	AL	GY-40726-41	10	
1/16"	PVDF	AO	GY-30703-90	10	
1/16"	316 SS	AP	GY-31209-55	1	
3/32"	HDPE	AJ	GY-30726-02	10	
3/32"	Nylon	AK	GY-30726-22	10	
3/32"	PP	AL	GY-40726-42	10	
3/32"	PVDF	AO	GY-30703-91	10	
1/8"	HDPE	AJ	GY-30726-03	10	
1/8"	Nylon	AK	GY-30726-23	10	
1/8"	PP	AL	GY-40726-43	10	
1/8"	PVDF	AO	GY-30703-92	10	
1/8"	316 SS	AP	GY-30620-21	1	
4 mm	Clear PP	AM	GY-06295-10	20	
4–6 mm	White PP	AN	GY-06296-10	20	
3/16"	HDPE	AJ	GY-30726-04	10	
3/16"	Nylon	AK	GY-30726-24	10	
3/16"	PP	AL	GY-40726-44	10	
3/16"	PVDF	AO	GY-30726-64	10	
3/16"	316 SS	AP	GY-30620-22	1	
6 mm	Clear PP	AM	GY-06295-20	20	
1/4"	HDPE	AJ	GY-30726-05	10	
1/4"	Nylon	AK	GY-30726-25	10	
1/4"	PP	AL	GY-40726-45	10	
1/4"	PVDF	AO	GY-30726-65	10	
6–8 mm	White PP	AN	GY-06296-20	20	
5/16"	316 SS	AP	GY-30620-23	1	
8 mm	Clear PP	AM	GY-06295-30	20	
8–10 mm	White PP	AN	GY-06296-00	20	
3/8"	HDPE	AJ	GY-30726-06	10	
3/8"	Nylon	AK	GY-30726-26	10	
3/8"	PP	AL	GY-40726-46	10	
3/8"	PVDF	AO	GY-30703-93	10	
3/8"	316 SS	AP	GY-30620-24	10	
10 mm	Clear PP	AM	GY-06295-40	20	
10–12 mm	White PP	AN	GY-06296-40	20	
12 mm	Clear PP	AM	GY-06295-50	20	
12–14 mm	White PP	AN	GY-06296-50	20	
1/2"	HDPE	AJ	GY-30726-07	10	
1/2"	Nylon	AK	GY-30726-27	10	
1/2"	PP	AL	GY-40726-47	10	
1/2"	PVDF	AO	GY-30703-94	10	

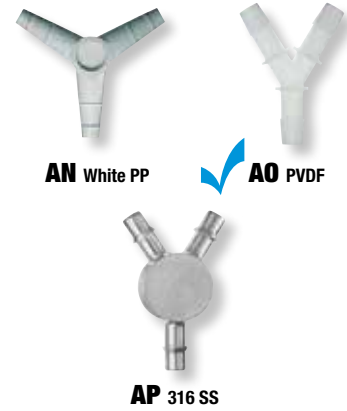
Single barb fittings seal better than multi-barb fittings because they allow the tubing to relax around the barb.



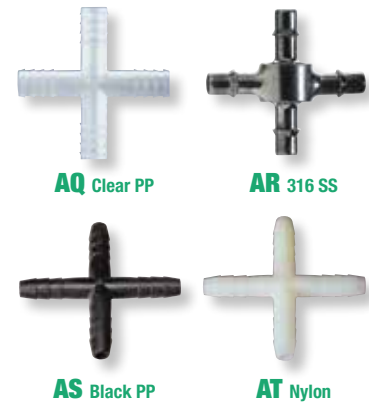
Tubing ID	Material	Key	Catalog number	Qty/ pk	Price/ pk
Y connectors—continued					
14 mm	Clear PP	AM	GY-06295-60	20	
14–16 mm	White PP	AN	GY-06296-60	20	
5/8"	HDPE	AJ	GY-30726-08	10	
5/8"	Nylon	AK	GY-30726-28	10	
5/8"	PP	AL	GY-30726-48	10	
5/8"	PVDF	AO	GY-30726-68	10	
16 mm	Clear PP	AM	GY-06295-70	20	
Cross connectors					
1/16"	316 SS	AR	GY-31208-51	1	
3/32"	316 SS	AR	GY-31208-52	1	
1/8"	316 SS	AR	GY-31208-53	1	
4 mm	Clear PP	AQ	GY-06297-10	20	
3/16"	316 SS	AR	GY-31208-54	1	
1/4"	Black PP	AS	GY-31407-11	5	
1/4"	Nylon	AT	GY-31408-11	5	
6 mm	Clear PP	AQ	GY-06297-20	20	
8 mm	Clear PP	AQ	GY-06297-30	20	
3/8"	316 SS	AR	GY-31208-55	1	
10 mm	Clear PP	AQ	GY-06297-40	20	
12 mm	Clear PP	AQ	GY-06297-50	20	
14 mm	Clear PP	AQ	GY-06297-60	20	
NPT male threaded adapters, NPT(M) x tubing ID					
1/16" x 1/16"	PVDF	AZ	GY-30704-00	10	
1/16" x 1/16"	316 SS	BC	GY-31208-59	1	
1/16" x 3/32"	316 SS	BC	GY-31208-60	1	
1/16" x 1/8"	PVDF	AZ	GY-30704-02	10	
1/16" x 1/8"	316 SS	BC	GY-31208-61	1	
1/16" x 3/16"	PVDF	AZ	GY-30704-04	10	
1/16" x 3/16"	316 SS	BC	GY-31208-62	1	
1/16" x 1/4"	316 SS	BC	GY-31208-63	1	
1/8" x 1/16"	Clear PP	AY	GY-06365-41	25	
1/8" x 1/16"	PVDF	AZ	GY-30704-05	10	
1/8" x 1/16"	316 SS	BC	GY-31208-65	1	
1/8" x 3/32"	Clear PP	AY	GY-06365-42	25	
1/8" x 3/32"	PVDF	AZ	GY-30704-06	10	
1/8" x 3/32"	316 SS	BC	GY-31208-66	1	
1/8" x 1/8"	HDPE	AU	GY-30621-26	10	
1/8" x 1/8"	Nylon	AV	GY-30621-27	10	
1/8" x 1/8"	PP	AX	GY-40621-28	10	
1/8" x 1/8"	Clear PP	AY	GY-06365-43	25	
1/8" x 1/8"	PVDF	AZ	GY-30704-07	10	
1/8" x 1/8"	316 SS	BC	GY-30621-30	1	
1/8" x 5/32"	HDPE	AU	GY-31517-21	10	
1/8" x 5/32"	Nylon	AV	GY-30621-24	10	
1/8" x 5/32"	PP	AX	GY-40621-22	10	
1/8" x 5/32"	PVDF	AZ	GY-30704-08	10	
1/8" x 5/32"	PFA	BA	GY-06383-90	1	
1/8" x 3/16"	HDPE	AU	GY-31702-04	10	
1/8" x 3/16"	Nylon	AV	GY-31702-02	10	
1/8" x 3/16"	Black PP	AW	GY-06444-16	10	
1/8" x 3/16"	316 SS	BC	GY-31208-68	1	
1/8" x 1/4"	HDPE	AU	GY-30621-31	10	
1/8" x 1/4"	Nylon	AV	GY-30621-32	10	
1/8" x 1/4"	PP	AX	GY-40610-36	10	
1/8" x 1/4"	PVDF	AZ	GY-30704-09	10	
1/8" x 1/4"	PFA	BA	GY-06383-91	1	
1/8" x 1/4"	Brass	BB	GY-30904-01	5	
1/8" x 1/4"	316 SS	BC	GY-30621-33	1	

Tubing ID	Material	Key	Catalog number	Qty/ pk	Price/ pk
NPT male threaded adapters, NPT(M) x tubing ID—cont.					
1/8" x 5/16"	HDPE	AU	GY-30401-72	10	
1/8" x 5/16"	Nylon	AV	GY-30622-31	10	
1/8" x 5/16"	PP	AX	GY-41517-27	10	
1/8" x 5/16"	PVDF	AZ	GY-31517-26	10	
1/8" x 3/8"	HDPE	AU	GY-30621-35	10	
1/8" x 3/8"	Nylon	AV	GY-30621-36	10	
1/8" x 3/8"	PP	AX	GY-40610-37	10	
1/8" x 3/8"	PVDF	AZ	GY-30704-10	10	
1/8" x 3/8"	Brass	BB	GY-30904-00	5	
1/8" x 3/8"	316 SS	BC	GY-31208-70	1	
1/4" x 1/16"	316 SS	BC	GY-31208-74	1	
1/4" x 3/32"	316 SS	BC	GY-31208-75	1	
1/4" x 1/8"	HDPE	AU	GY-30621-42	10	
1/4" x 1/8"	Nylon	AV	GY-30621-44	10	
1/4" x 1/8"	PP	AX	GY-40621-45	10	
1/4" x 1/8"	PVDF	AZ	GY-30621-43	10	
1/4" x 1/8"	316 SS	BC	GY-31208-76	1	
1/4" x 5/32"	HDPE	AU	GY-30621-38	10	
1/4" x 5/32"	Nylon	AV	GY-30621-40	10	
1/4" x 5/32"	PP	AX	GY-40621-41	10	
1/4" x 5/32"	PVDF	AZ	GY-30621-39	10	
1/4" x 5/32"	316 SS	BC	GY-31208-77	1	
1/4" x 3/16"	HDPE	AU	GY-31702-08	10	
1/4" x 3/16"	Nylon	AV	GY-31702-06	10	
1/4" x 3/16"	PP	AX	GY-41517-47	10	
1/4" x 3/16"	Black PP	AW	GY-06444-18	10	
1/4" x 3/16"	PVDF	AZ	GY-31517-46	10	
1/4" x 3/16"	316 SS	BC	GY-31208-78	1	
1/4" x 1/4"	HDPE	AU	GY-30621-46	10	
1/4" x 1/4"	Nylon	AV	GY-30621-47	10	
1/4" x 1/4"	PP	AX	GY-40610-38	10	
1/4" x 1/4"	PVDF	AZ	GY-30704-11	10	
1/4" x 1/4"	PFA	BA	GY-06383-92	1	
1/4" x 1/4"	Brass	BB	GY-30904-10	5	
1/4" x 1/4"	316 SS	BC	GY-31208-79	1	
1/4" x 5/16"	HDPE	AU	GY-30621-48	10	
1/4" x 5/16"	Nylon	AV	GY-30621-50	10	
1/4" x 5/16"	PP	AX	GY-40621-51	10	
1/4" x 5/16"	PVDF	AZ	GY-30621-49	10	
1/4" x 3/8"	HDPE	AU	GY-30621-52	10	
1/4" x 3/8"	Nylon	AV	GY-30621-53	10	
1/4" x 3/8"	PP	AX	GY-40610-39	10	
1/4" x 3/8"	PVDF	AZ	GY-30704-12	10	
1/4" x 3/8"	PFA	BA	GY-06383-93	1	
1/4" x 3/8"	Brass	BB	GY-30904-11	5	
1/4" x 3/8"	316 SS	BC	GY-31208-80	1	
1/4" x 1/2"	HDPE	AU	GY-30621-54	10	
1/4" x 1/2"	Nylon	AV	GY-30621-55	10	
1/4" x 1/2"	PP	AX	GY-40610-40	10	
1/4" x 1/2"	PVDF	AZ	GY-30704-13	10	
3/8" x 3/32"	316 SS	BC	GY-31208-83	1	
3/8" x 1/8"	316 SS	BC	GY-31208-84	1	
3/8" x 1/4"	HDPE	AU	GY-30621-56	10	
3/8" x 1/4"	Nylon	AV	GY-30621-57	10	
3/8" x 1/4"	Clear PP	AY	GY-40610-41	10	
3/8" x 1/4"	PVDF	AZ	GY-30704-14	10	
3/8" x 1/4"	Brass	BB	GY-30904-20	5	
3/8" x 1/4"	316 SS	BC	GY-31208-85	1	
3/8" x 5/16"	HDPE	AU	GY-30621-58	10	
3/8" x 5/16"	Nylon	AV	GY-30621-60	10	
3/8" x 5/16"	PP	AX	GY-40621-61	10	
3/8" x 5/16"	PVDF	AZ	GY-30621-59	10	

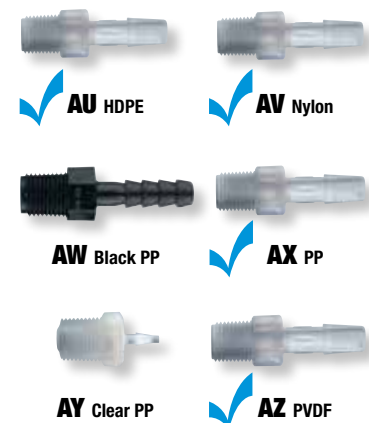
Y connectors (continued)



Cross connectors



NPT male threaded adapters



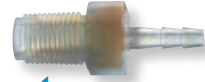
See next page for more...

Barbed Fittings (continued)

Barbed fittings are designed for quick and easy assembly without tools. Combine these simple, economical fittings with our flexible tubing for use in your low-pressure applications (generally less than 30 psi). Order tubing on pages 988–1017.

For material descriptions, refer to page 302.

NPT male threaded adapters (continued)



BA PFA



BB Brass



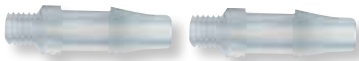
BC 316 SS

UNF male threaded adapters



BD HDPE

BE Nylon



BF PP

BG Clear PP



BH PVDF

UNF male threaded adapter elbows



BI 316 SS

Tubing ID	Material	Key	Catalog number	Qty/ pk	Price/ pk
NPT male threaded adapters, NPT(M) x tubing ID—cont.					
3/8" x 3/8"	HDPE	AU	GY-30621-62	10	
3/8" x 3/8"	Nylon	AV	GY-30621-63	10	
3/8" x 3/8"	PP	AX	GY-40610-42	10	
3/8" x 3/8"	PVDF	AZ	GY-30704-15	10	
3/8" x 3/8"	PFA	BA	GY-06383-94	1	
3/8" x 3/8"	Brass	BB	GY-30904-21	5	
3/8" x 3/8"	316 SS	BC	GY-31208-86	1	
3/8" x 1/2"	HDPE	AU	GY-30621-64	10	
3/8" x 1/2"	Nylon	AV	GY-30621-65	10	
3/8" x 1/2"	PP	AX	GY-40610-43	10	
3/8" x 1/2"	PVDF	AZ	GY-30704-16	10	
3/8" x 1/2"	Brass	BB	GY-30904-22	5	
1/2" x 3/8"	HDPE	AU	GY-31702-18	10	
1/2" x 1/4"	HDPE	AU	GY-30621-73	10	
1/2" x 1/4"	Nylon	AV	GY-30621-74	10	
1/2" x 1/4"	PP	AX	GY-40610-44	10	
1/2" x 1/4"	PVDF	AZ	GY-30704-17	10	
1/2" x 1/4"	316 SS	BC	GY-31210-30	1	
1/2" x 3/8"	HDPE	AU	GY-30621-75	10	
1/2" x 3/8"	Nylon	AV	GY-30621-76	10	
1/2" x 3/8"	PP	AX	GY-40610-45	10	
1/2" x 3/8"	PVDF	AZ	GY-30704-18	10	
1/2" x 3/8"	Brass	BB	GY-30904-31	5	
1/2" x 3/8"	316 SS	BC	GY-31210-31	1	
1/2" x 1/2"	HDPE	AU	GY-30621-77	10	
1/2" x 1/2"	Nylon	AV	GY-30621-78	10	
1/2" x 1/2"	PP	AX	GY-40610-46	10	
1/2" x 1/2"	PVDF	AZ	GY-30704-19	10	
1/2" x 1/2"	Brass	BB	GY-30904-32	5	
1/2" x 1/2"	316 SS	BC	GY-31210-32	1	
1/2" x 5/8"	HDPE	AU	GY-30621-66	10	
1/2" x 5/8"	Nylon	AV	GY-30621-68	10	
1/2" x 5/8"	PP	AX	GY-40621-69	10	
1/2" x 5/8"	PVDF	AZ	GY-30621-67	5	
1/2" x 5/8"	Brass	BB	GY-30904-52	5	
1/2" x 5/8"	316 SS	BC	GY-31210-33	1	
1/2" x 3/4"	HDPE	AU	GY-30621-70	10	
1/2" x 3/4"	Nylon	AV	GY-30621-72	10	
1/2" x 3/4"	PP	AX	GY-40610-47	10	
1/2" x 3/4"	PVDF	AZ	GY-30621-71	5	
1/2" x 3/4"	316 SS	BC	GY-31210-34	1	
3/4" x 3/8"	HDPE	AU	GY-30621-18	10	
3/4" x 3/8"	Nylon	AV	GY-30621-19	10	
3/4" x 3/8"	PP	AX	GY-40610-49	5	
3/4" x 3/8"	PVDF	AZ	GY-30704-22	5	
3/4" x 3/8"	Brass	BB	GY-30904-53	5	
3/4" x 1/4"	HDPE	AU	GY-30621-16	10	
3/4" x 1/4"	Nylon	AV	GY-30621-17	10	
3/4" x 1/4"	PP	AX	GY-40610-48	5	
3/4" x 1/4"	PVDF	AZ	GY-30704-21	5	
3/4" x 1/2"	HDPE	AU	GY-30621-20	10	
3/4" x 1/2"	Nylon	AV	GY-30621-21	10	
3/4" x 1/2"	PP	AX	GY-40610-50	5	
3/4" x 1/2"	PVDF	AZ	GY-30704-23	5	
3/4" x 1/2"	Brass	BB	GY-30904-42	5	
3/4" x 5/8"	HDPE	AU	GY-30621-08	10	
3/4" x 5/8"	Nylon	AV	GY-30621-10	10	
3/4" x 5/8"	PP	AX	GY-40621-11	10	
3/4" x 5/8"	PVDF	AZ	GY-30621-09	5	
3/4" x 5/8"	Brass	BB	GY-30904-54	5	
3/4" x 3/4"	HDPE	AU	GY-30621-12	10	
3/4" x 3/4"	Nylon	AV	GY-30621-13	10	
3/4" x 3/4"	PP	AX	GY-40610-51	5	
3/4" x 3/4"	PVDF	AZ	GY-30704-24	5	

Tubing ID	Material	Key	Catalog number	Qty/ pk	Price/ pk
NPT male threaded adapters, NPT(M) x tubing ID—cont.					
3/4" x 3/4"	Brass	BB	GY-30904-44	5	
3/4" x 3/4"	316 SS	BC	GY-31210-44	1	
3/4" x 1"	HDPE	AU	GY-30621-14	10	
3/4" x 1"	Nylon	AV	GY-30621-15	10	
3/4" x 1"	PP	AX	GY-40610-52	5	
3/4" x 1"	PVDF	AZ	GY-30704-25	5	
3/4" x 1"	Brass	BB	GY-30904-55	5	
3/4" x 1"	316 SS	BC	GY-31210-45	1	
1" x 3/4"	Nylon	AV	GY-31702-00	10	
1" x 3/4"	316 SS	BC	GY-31210-50	1	
1" x 1"	HDPE	AU	GY-31517-18	10	
1" x 1"	Nylon	AV	GY-30401-34	10	
1" x 1"	PP	AX	GY-40610-53	5	
1" x 1"	PVDF	AZ	GY-30704-26	5	
1" x 1"	316 SS	BC	GY-31210-51	1	
1" x 1/4"	Nylon	AV	GY-31408-12	5	
1" x 1/4"	Black PP	AW	GY-31407-12	5	
1 1/4" x 1"	Nylon	AV	GY-31408-13	5	
1 1/4" x 1"	Black PP	AW	GY-31407-13	5	
1 1/4" x 1 1/4"	Nylon	AV	GY-31408-14	5	
1 1/4" x 1 1/4"	Black PP	AW	GY-31407-14	5	
1 1/4" x 1 1/4"	316 SS	BC	GY-31210-60	1	
1 1/4" x 1 1/2"	Black PP	AW	GY-31407-15	5	
1 1/2" x 1 1/4"	Nylon	AV	GY-31408-17	5	
1 1/2" x 1 1/4"	Black PP	AW	GY-31407-17	5	
1 1/2" x 1 1/2"	Nylon	AV	GY-31408-16	5	
1 1/2" x 1 1/2"	Black PP	AW	GY-31407-16	5	
1 1/2" x 1 1/2"	316 SS	BC	GY-31210-61	1	
1 1/2" x 2"	Nylon	AV	GY-31408-18	5	
1 1/2" x 2"	Black PP	AW	GY-31407-18	5	
2" x 1 1/2"	Nylon	AV	GY-31408-19	5	
2" x 1 1/2"	Black PP	AW	GY-31407-19	5	
2" x 2"	Nylon	AV	GY-31408-20	5	
2" x 2"	Black PP	AW	GY-31407-20	5	
2" x 2"	316 SS	BC	GY-31210-70	1	
UNF male threaded adapters, UNF(M) x tubing ID					
10-32 x 1/16"	HDPE	BD	GY-30621-02	10	
10-32 x 1/16"	Nylon	BE	GY-30621-03	25	
10-32 x 1/16"	PP	BF	GY-40621-04	25	
10-32 x 1/16"	PVDF	BD	GY-30704-80	10	
10-32 x 3/32"	HDPE	BB	GY-30629-00	10	
10-32 x 3/32"	Nylon	BE	GY-30621-00	25	
10-32 x 3/32"	PP	BF	GY-40621-01	25	
10-32 x 3/32"	PVDF	BH	GY-30704-81	10	
10-32 x 1/8"	HDPE	BD	GY-30621-05	10	
10-32 x 1/8"	Nylon	BE	GY-30621-06	10	
10-32 x 1/8"	PP	BF	GY-40621-07	25	
10-32 x 1/8"	PVDF	BD	GY-30704-82	10	
10-32 x 5/32"	Nylon	BE	GY-31500-53	25	
10-32 x 5/32"	Clear PP	BG	GY-31501-53	25	
10-32 x 5/32"	PVDF	BH	GY-30704-83	10	
1/4-28 x 1/16"	PVDF	BH	GY-30704-84	10	
1/4-28 x 3/32"	PVDF	BH	GY-30704-85	10	
1/4-28 x 1/8"	Nylon	BE	GY-31500-54	25	
1/4-28 x 1/8"	Clear PP	BG	GY-31501-54	25	
1/4-28 x 1/8"	PVDF	BH	GY-30704-86	10	
1/4-28 x 5/32"	PVDF	BH	GY-30704-87	10	
1/4-28 x 3/16"	PVDF	BH	GY-30704-88	10	
1/4-28 x 1/4"	Nylon	BE	GY-31500-55	25	
1/4-28 x 1/4"	Clear PP	BG	GY-31501-55	25	
UNF male threaded adapter elbows, UNF(M) x tubing ID					
10-32 x 1/16"	316 SS	BI	GY-31209-45	1	
10-32 x 1/8"	316 SS	BI	GY-31209-46	1	

DON'T RISK IT!

Our chemical compatibility database provides important information on chemical resistance—check it out at ColeParmer.com/ChemChart



FREE certificate of compliance
See page 313.

Tubing ID	Material	Key	Catalog number	Qty/ pk	Price/ pk
NPT male threaded adapter elbows, NPT(M) x tubing ID					
1/16" x 1/16"	316 SS	BN	GY-31208-87	1	
1/16" x 3/32"	316 SS	BN	GY-31208-88	1	
1/16" x 1/8"	316 SS	BN	GY-31208-89	1	
1/16" x 3/16"	316 SS	BN	GY-31208-90	1	
1/16" x 1/4"	316 SS	BN	GY-31208-91	1	
1/8" x 1/16"	316 SS	BN	GY-31208-92	1	
1/8" x 3/32"	316 SS	BN	GY-31208-93	1	
1/8" x 1/8"	HDPE	BJ	GY-31518-77	10	
1/8" x 1/8"	PP	BL	GY-41518-78	10	
1/8" x 1/8"	PVDF	BM	GY-30704-30	10	
1/8" x 1/8"	316 SS	BN	GY-31208-94	1	
1/8" x 3/16"	HDPE	BJ	GY-31702-30	10	
1/8" x 3/16"	Nylon	BK	GY-31702-28	10	
1/8" x 3/16"	PVDF	BM	GY-30704-31	10	
1/8" x 3/16"	316 SS	BN	GY-31208-95	1	
1/8" x 1/4"	HDPE	BJ	GY-30401-04	10	
1/8" x 1/4"	Nylon	BK	GY-30401-05	10	
1/8" x 1/4"	PP	BL	GY-40610-54	10	
1/8" x 1/4"	PVDF	BM	GY-30704-33	10	
1/8" x 1/4"	316 SS	BN	GY-31208-96	1	
1/8" x 3/16"	HDPE	BJ	GY-30622-82	10	
1/8" x 3/16"	Nylon	BK	GY-30622-85	10	
1/8" x 3/16"	PP	BL	GY-40622-86	10	
1/8" x 3/16"	PVDF	BM	GY-30622-84	10	
1/8" x 3/8"	HDPE	BJ	GY-30401-08	10	
1/8" x 3/8"	Nylon	BK	GY-30622-87	10	
1/8" x 3/8"	PP	BL	GY-40610-55	10	
1/8" x 3/8"	PVDF	BM	GY-30704-34	10	
1/8" x 3/8"	316 SS	BN	GY-31208-97	1	
1/4" x 1/16"	316 SS	BN	GY-31209-00	1	
1/4" x 3/32"	316 SS	BN	GY-31209-01	1	
1/4" x 1/8"	HDPE	BJ	GY-30622-88	10	
1/4" x 1/8"	Nylon	BK	GY-30622-90	10	
1/4" x 1/8"	PP	BL	GY-40622-91	10	
1/4" x 1/8"	PVDF	BM	GY-30622-89	10	
1/4" x 1/8"	316 SS	BN	GY-31209-02	1	
1/4" x 5/32"	316 SS	BN	GY-31209-03	1	
1/4" x 3/16"	HDPE	BJ	GY-30622-92	10	
1/4" x 3/16"	Nylon	BK	GY-30622-94	10	
1/4" x 3/16"	PP	BL	GY-40622-95	10	
1/4" x 3/16"	PVDF	BM	GY-30622-93	10	
1/4" x 3/16"	316 SS	BN	GY-31209-04	1	
1/4" x 1/4"	HDPE	BJ	GY-30622-96	10	
1/4" x 1/4"	Nylon	BK	GY-30622-97	10	
1/4" x 1/4"	PP	BL	GY-40610-56	10	
1/4" x 1/4"	PVDF	BM	GY-30704-35	10	
1/4" x 1/4"	316 SS	BN	GY-31209-05	1	
1/4" x 3/8"	HDPE	BJ	GY-30622-98	10	
1/4" x 3/8"	Nylon	BK	GY-30622-99	10	
1/4" x 3/8"	PP	BL	GY-40610-57	10	
1/4" x 3/8"	PVDF	BM	GY-30704-36	10	
1/4" x 3/8"	316 SS	BN	GY-31209-06	1	

Tubing ID	Material	Key	Catalog number	Qty/ pk	Price/ pk
NPT male threaded adapter elbows, NPT(M) x tubing ID—cont.					
1/4" x 1/2"	HDPE	BJ	GY-30623-00	10	
1/4" x 1/2"	Nylon	BK	GY-30623-01	10	
1/4" x 1/2"	PP	BL	GY-40610-58	10	
1/4" x 1/2"	PVDF	BM	GY-30704-37	10	
3/8" x 1/8"	316 SS	BN	GY-31209-07	1	
3/8" x 1/4"	HDPE	BJ	GY-30623-02	10	
3/8" x 1/4"	Nylon	BK	GY-30623-03	10	
3/8" x 1/4"	PP	BL	GY-40610-59	10	
3/8" x 1/4"	PVDF	BM	GY-30704-38	10	
3/8" x 3/8"	HDPE	BJ	GY-30623-04	10	
3/8" x 3/8"	Nylon	BK	GY-30623-05	10	
3/8" x 3/8"	PP	BL	GY-40610-60	10	
3/8" x 3/8"	PVDF	BM	GY-30704-39	10	
3/8" x 1/2"	HDPE	BJ	GY-30623-06	10	
3/8" x 1/2"	Nylon	BK	GY-30623-07	10	
3/8" x 1/2"	PP	BL	GY-40610-61	10	
3/8" x 1/2"	PVDF	BM	GY-30704-40	10	
1/2" x 1/4"	HDPE	BJ	GY-30623-10	10	
1/2" x 1/4"	Nylon	BK	GY-30623-11	10	
1/2" x 1/4"	PP	BL	GY-40610-62	10	
1/2" x 1/4"	PVDF	BM	GY-30704-41	10	
1/2" x 3/8"	HDPE	BJ	GY-30623-12	10	
1/2" x 3/8"	Nylon	BK	GY-30623-13	10	
1/2" x 3/8"	PP	BL	GY-40610-63	10	
1/2" x 3/8"	PVDF	BM	GY-30704-42	10	
1/2" x 1/2"	HDPE	BJ	GY-30623-14	10	
1/2" x 1/2"	Nylon	BK	GY-30623-15	10	
1/2" x 1/2"	PP	BL	GY-40610-64	10	
1/2" x 1/2"	PVDF	BM	GY-30704-43	10	
1/2" x 5/8"	HDPE	BJ	GY-30623-08	10	
1/2" x 5/8"	Nylon	BK	GY-30623-09	10	
1/2" x 3/4"	HDPE	BJ	GY-30401-28	10	
1/2" x 3/4"	Nylon	BK	GY-30401-00	10	
1/2" x 3/4"	PP	BL	GY-40610-65	10	
1/2" x 3/4"	PVDF	BM	GY-30704-44	10	
3/4" x 1/4"	PP	BL	GY-40610-66	5	
3/4" x 1/4"	PVDF	BM	GY-30704-45	5	
3/4" x 3/8"	PP	BL	GY-40610-67	5	
3/4" x 3/8"	PVDF	BM	GY-30704-46	5	
3/4" x 1/2"	Nylon	BK	GY-30401-17	10	
3/4" x 1/2"	PP	BL	GY-40610-68	5	
3/4" x 1/2"	PVDF	BM	GY-30704-47	5	
3/4" x 5/8"	HDPE	BJ	GY-30401-25	10	
3/4" x 5/8"	Nylon	BK	GY-30401-21	10	
3/4" x 3/4"	HDPE	BJ	GY-30401-31	10	
3/4" x 3/4"	Nylon	BK	GY-30401-21	10	
3/4" x 3/4"	PP	BL	GY-40610-69	5	
3/4" x 3/4"	PVDF	BM	GY-30704-48	5	
3/4" x 1"	Nylon	BK	GY-30401-14	10	
3/4" x 1"	PP	BL	GY-40610-70	5	
3/4" x 1"	PVDF	BM	GY-30704-49	5	
1" x 1"	PP	BL	GY-40610-71	5	
1" x 1"	PVDF	BM	GY-30704-50	5	
1 1/4" x 1 1/4"	Nylon	BK	GY-31408-22	5	

NPT male threaded adapter elbows



✓ **BJ** HDPE



✓ **BK** Nylon



✓ **BL** PP



✓ **BM** PVDF



BN 316 SS

See next page for more...

Cole-Parmer® PTFE Thread Tape

Prevents leaks and seepage

Description	Roll width	Roll length	Catalog number	Price
Plumber's tape	1/2"	43 ft (13 m)	GY-08270-33	
Plumber's tape	3/4"	43 ft (13 m)	GY-08270-34	
Sealer string	3/32"	20 ft (6 m)	GY-08782-45	





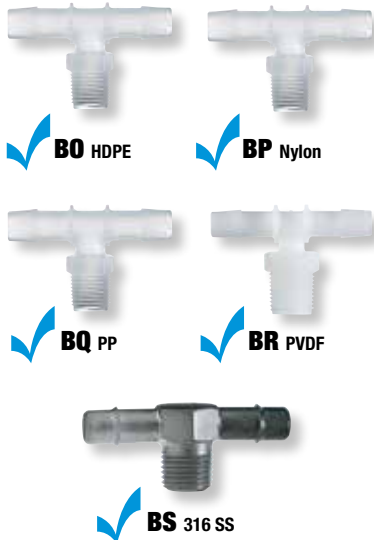
Barbed Fittings (continued)

Barbed fittings are designed for quick and easy assembly without tools. Combine these simple, economical fittings with our flexible tubing for use in your low-pressure applications (generally less than 30 psi). Order tubing on pages 988–1017.

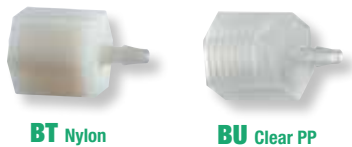
For material descriptions, refer to page 302.

Single barb fittings seal better than multi-barb fittings because they allow the tubing to relax around the barb.

NPT male branch tees



NPT female threaded adapters



Press-in plugs



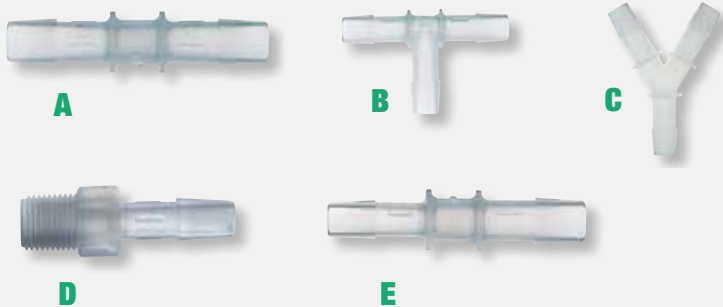
Tubing ID	Material	Key	Catalog number	Qty/ pk	Price/ pk
NPT male branch tees, NPT(M) branch x tubing ID					
1/16" x 1/8"	316 SS	BS	GY-31209-13	1	
1/16" x 3/16"	316 SS	BS	GY-31209-14	1	
1/8" x 1/16"	316 SS	BS	GY-31209-15	1	
1/8" x 3/32"	316 SS	BS	GY-31209-16	1	
1/8" x 1/8"	316 SS	BS	GY-31209-17	1	
1/8" x 3/16"	316 SS	BS	GY-31209-18	1	
1/8" x 1/4"	HDPE	BO	GY-31701-86	10	
1/8" x 1/4"	Nylon	BP	GY-30401-64	10	
1/8" x 1/4"	PP	BQ	GY-40610-72	10	
1/8" x 1/4"	PVDF	BR	GY-30704-61	10	
1/8" x 1/4"	316 SS	BS	GY-31209-19	1	
1/8" x 3/8"	PP	BQ	GY-40610-73	10	
1/8" x 3/8"	PVDF	BR	GY-30704-62	10	
1/8" x 3/8"	316 SS	BS	GY-31209-20	1	
1/4" x 1/16"	316 SS	BS	GY-31209-21	1	
1/4" x 1/8"	316 SS	BS	GY-31209-23	1	
1/4" x 3/16"	316 SS	BS	GY-31209-24	1	
1/8" x 5/32"	HDPE	BO	GY-30623-96	10	
1/8" x 5/32"	Nylon	BP	GY-30623-98	10	
1/8" x 5/32"	PP	BQ	GY-40623-99	10	
1/8" x 5/32"	PVDF	BR	GY-30623-97	10	
1/8" x 3/8"	HDPE	BO	GY-30624-00	10	
1/8" x 3/8"	Nylon	BP	GY-30624-02	10	
1/4" x 1/4"	HDPE	BO	GY-30624-04	10	
1/4" x 1/4"	Nylon	BP	GY-30624-05	10	
1/4" x 1/4"	PP	BQ	GY-40610-74	10	
1/4" x 1/4"	PVDF	BR	GY-30704-63	10	
1/4" x 3/8"	HDPE	BO	GY-30624-06	10	
1/4" x 3/8"	Nylon	BP	GY-30624-07	10	
1/4" x 3/8"	PP	BQ	GY-40624-09	10	
1/4" x 3/8"	PVDF	BR	GY-30704-64	10	
1/4" x 1/2"	HDPE	BO	GY-30624-10	10	
1/4" x 1/2"	Nylon	BP	GY-30624-11	10	
1/4" x 1/2"	PP	BQ	GY-40610-76	10	
1/4" x 1/2"	PVDF	BR	GY-30704-65	10	
3/8" x 3/16"	316 SS	BS	GY-31209-28	1	
3/8" x 1/4"	HDPE	BO	GY-30624-12	10	
3/8" x 1/4"	Nylon	BP	GY-30624-13	10	
3/8" x 1/4"	PP	BQ	GY-40610-77	10	
3/8" x 1/4"	PVDF	BR	GY-30704-66	10	
3/8" x 1/4"	316 SS	BS	GY-31209-29	1	
3/8" x 3/8"	HDPE	BO	GY-30624-14	10	
3/8" x 3/8"	Nylon	BP	GY-30624-15	10	
3/8" x 3/8"	PP	BQ	GY-40610-78	10	
3/8" x 3/8"	PVDF	BR	GY-30704-67	10	
3/8" x 3/8"	316 SS	BS	GY-31209-30	1	
3/8" x 1/2"	HDPE	BO	GY-30624-16	10	
3/8" x 1/2"	Nylon	BP	GY-30624-17	10	
3/8" x 1/2"	PP	BQ	GY-40610-79	10	
3/8" x 1/2"	PVDF	BR	GY-30704-68	10	
1/2" x 1/4"	HDPE	BO	GY-30624-20	10	
1/2" x 1/4"	Nylon	BP	GY-30624-21	10	
1/2" x 1/4"	PP	BQ	GY-40610-80	10	
1/2" x 1/4"	PVDF	BR	GY-30704-69	10	
1/2" x 3/8"	HDPE	BO	GY-30624-22	10	
1/2" x 3/8"	Nylon	BP	GY-30624-23	10	
1/2" x 3/8"	PP	BQ	GY-40610-81	10	
1/2" x 3/8"	PVDF	BR	GY-30704-70	10	
1/2" x 1/2"	HDPE	BO	GY-30624-24	10	
1/2" x 1/2"	Nylon	BP	GY-30624-25	10	
1/2" x 1/2"	PP	BQ	GY-40610-82	10	
1/2" x 1/2"	PVDF	BR	GY-30704-71	10	

Tubing ID	Material	Key	Catalog number	Qty/ pk	Price/ pk
NPT male branch tees, NPT(M) branch x tubing ID—cont.					
1/2" x 3/4"	HDPE	BO	GY-30624-18	10	
1/2" x 3/4"	Nylon	BP	GY-30624-19	10	
1/2" x 3/4"	PP	BQ	GY-40610-83	10	
1/2" x 3/4"	PVDF	BR	GY-30704-72	10	
3/4" x 1/4"	HDPE	BO	GY-30623-86	10	
3/4" x 1/4"	Nylon	BP	GY-30623-87	10	
3/4" x 1/4"	PP	BQ	GY-40610-84	5	
3/4" x 1/4"	PVDF	BR	GY-30704-73	5	
3/4" x 3/8"	HDPE	BO	GY-30623-88	10	
3/4" x 3/8"	Nylon	BP	GY-30623-90	10	
3/4" x 3/8"	PP	BQ	GY-40610-85	5	
3/4" x 3/8"	PVDF	BR	GY-30623-89	5	
3/4" x 1/2"	HDPE	BO	GY-30623-91	10	
3/4" x 1/2"	Nylon	BP	GY-30623-93	10	
3/4" x 1/2"	PP	BQ	GY-40610-86	5	
3/4" x 1/2"	PVDF	BR	GY-30704-75	5	
3/4" x 3/4"	HDPE	BO	GY-30401-71	10	
3/4" x 3/4"	PP	BQ	GY-40610-87	5	
3/4" x 3/4"	HDPE	BO	GY-30623-81	5	
3/4" x 3/4"	Nylon	BP	GY-30623-82	5	
3/4" x 3/4"	PP	BQ	GY-40623-83	10	
3/4" x 3/4"	PVDF	BR	GY-30704-76	5	
3/4" x 1"	HDPE	BO	GY-30623-84	5	
3/4" x 1"	Nylon	BP	GY-30623-85	5	
3/4" x 1"	PP	BQ	GY-40610-88	5	
3/4" x 1"	PVDF	BR	GY-30704-77	5	
1" x 1"	HDPE	BO	GY-30623-94	5	
1" x 1"	Nylon	BP	GY-30623-95	5	
1" x 1"	PP	BQ	GY-40610-89	5	
1" x 1"	PVDF	BR	GY-30704-78	5	
NPT female threaded adapters, NPT(F) x tubing ID					
1/8" x 1/8"	Nylon	BT	GY-31500-40	25	
1/8" x 1/8"	Clear PP	BU	GY-31501-40	25	
1/4" x 1/8"	Nylon	BT	GY-31500-41	25	
1/4" x 1/8"	Clear PP	BU	GY-31501-41	25	
1/4" x 1/4"	Nylon	BT	GY-31702-20	10	
1/4" x 3/8"	Nylon	BT	GY-31702-22	10	
Press-in plugs					
1/16"	Nylon	BW	GY-31220-11	10	
1/16"	PP	BX	GY-31220-01	10	
1/16"	PVDF	BY	GY-31220-21	10	
3/32"	Nylon	BW	GY-31220-12	10	
3/32"	PP	BX	GY-31220-02	10	
3/32"	PVDF	BY	GY-31220-22	10	
1/8"	Nylon	BW	GY-31220-13	10	
1/8"	PP	BX	GY-31220-03	10	
1/8"	PVDF	BY	GY-31220-23	10	
5/32"	Nylon	BW	GY-31220-14	10	
5/32"	PP	BX	GY-31220-04	10	
5/32"	PVDF	BY	GY-31220-24	10	
3/16"	Nylon	BW	GY-31220-15	10	
3/16"	PP	BX	GY-31220-05	10	
3/16"	PVDF	BY	GY-31220-25	10	
1/4"	Nylon	BW	GY-31220-16	10	
1/4"	PP	BX	GY-31220-06	10	
1/4"	PVDF	BY	GY-31220-26	10	

Masterflex® Barbed Fittings

Designed to tight tolerances and
made from virgin materials

FREE
certificate
of compliance
See page 313.



MASTERFLEX®

Specifications

- ✓ **High-Density Polyethylene (HDPE):** Very good chemical resistance. Temp range: -65 to 150°F (-53 to 65°C). Sterilize by ethylene oxide only.
- ✓ **Nylon:** Good chemical resistance. Temp range: -50 to 250°F (-46 to 121°C). Sterilize by ethylene oxide only.
- ✓ **Polypropylene (PP):** Very good chemical resistance. Temp range: 32 to 275°F (0 to 135°C). Sterilize by ethylene oxide or autoclave.
- ✓ **PVDF:** Excellent chemical resistance. Temp range: -80 to 265°F (-62 to 129°C). Sterilize by ethylene oxide or autoclave.

Size	Use with Masterflex® tubing sizes			HDPE		Nylon		Polypropylene		PVDF	
	L/S®	I/P®	B/T®	Catalog number	Price/ pk of 10	Catalog number	Price/ pk of 10	Catalog number	Price/ pk of 10	Catalog number	Price/ pk of 10
A. Straight connectors											
1/16"	13, 14	—	—	GY-30612-01		GY-30612-02		GY-30612-43		GY-30612-04	
1/8"	16	—	—	GY-30612-05		GY-30612-06		GY-30612-47		GY-30612-08	
3/16"	15, 25	—	—	GY-30612-09		GY-30612-10		GY-30612-51		GY-30612-12	
1/4"	17, 24	26	—	GY-30612-13		GY-30612-14		GY-30612-55		GY-30612-16	
3/8"	18, 35, 36	70, 73	86	GY-30612-17		GY-30612-18		GY-30612-59		GY-30612-20	
1/2"	—	82, 88	88	GY-30612-21		GY-30612-22		GY-30612-63		GY-30612-24	
5/8"	—	89	—	GY-30612-25		GY-30612-26		GY-30612-67		GY-30612-28	
3/4"	—	—	90	GY-30612-29		GY-30612-30		GY-30612-71		GY-30612-32	
1"	—	—	92	GY-30612-33		GY-30612-34		GY-30612-75		GY-30612-36	
B. Tee connectors (equal leg)											
1/16"	13, 14	—	—	GY-30613-01		GY-30613-02		GY-30613-43		GY-30613-04	
1/8"	16	—	—	GY-30613-05		GY-30613-06		GY-30613-47		GY-30613-08	
3/16"	15, 25	—	—	GY-30613-09		GY-30613-10		GY-30613-51		GY-30613-12	
1/4"	17, 24	26	—	GY-30613-13		GY-30613-14		GY-30613-55		GY-30613-16	
3/8"	18, 35, 36	70, 73	86	GY-30613-17		GY-30613-18		GY-30613-59		GY-30613-20	
1/2"	—	82, 88	88	GY-30613-21		GY-30613-22		GY-30613-63		GY-30613-24	
5/8"	—	89	—	GY-30613-25		GY-30613-26		GY-30613-67		GY-30613-28	
3/4"	—	—	90	GY-30613-29		GY-30613-30		GY-30613-71		GY-30613-32	
1"	—	—	92	GY-30613-33		GY-30613-34		GY-30613-75		GY-30613-36	
C. Y connectors (equal leg)											
1/16"	13, 14	—	—	GY-30614-01		GY-30614-02		GY-30614-43		GY-30614-04	
1/8"	16	—	—	GY-30614-05		GY-30614-06		GY-30614-47		GY-30614-08	
3/16"	15, 25	—	—	GY-30614-09		GY-30614-10		GY-30614-51		GY-30614-12	
1/4"	17, 24	26	—	GY-30614-13		GY-30614-14		GY-30614-55		GY-30614-16	
3/8"	18, 35, 36	70, 73	86	GY-30614-17		GY-30614-18		GY-30614-59		GY-30614-20	
1/2"	—	82, 88	88	GY-30614-21		GY-30614-22		GY-30614-63		GY-30614-24	
D. NPT male threaded adapters, NPT (M) x tubing ID											
1/8" x 1/8"	16	—	—	GY-30615-05		GY-30615-06		GY-30615-47		GY-30615-08	
3/16" x 1/8"	15, 25	—	—	GY-30615-09		GY-30615-10		GY-30615-51		GY-30615-12	
1/4" x 1/4"	17, 24	26	—	GY-30615-13		GY-30615-14		GY-30615-55		GY-30615-16	
3/8" x 1/4"	18, 35, 36	70, 73	86	GY-30615-17		GY-30615-18		GY-30615-59		GY-30615-20	
1/2" x 1/2"	—	82, 88	88	GY-30615-21		GY-30615-22		GY-30615-63		GY-30615-24	
5/8" x 1/2"	—	89	—	GY-30615-25		GY-30615-26		GY-30615-67		GY-30615-28	
3/4" x 1/2"	—	—	90	GY-30615-29		GY-30615-30		GY-30615-71		GY-30615-32	
E. Reducing connectors											
1/16" x 1/8"	13, 14	—	—	GY-30616-01		GY-30616-02		GY-30616-43		GY-30616-04	
1/8" x 3/32"	16	—	—	GY-30616-05		GY-30616-06		GY-30616-47		GY-30616-08	
3/16" x 1/8"	15, 25	—	—	GY-30616-09		GY-30616-10		GY-30616-51		GY-30616-12	
1/4" x 1/8"	17, 24	26	—	GY-30616-13		GY-30616-14		GY-30616-55		GY-30616-16	
3/8" x 1/4"	18, 35, 36	70, 73	86	GY-30616-17		GY-30616-18		GY-30616-59		GY-30616-20	
1/2" x 3/8"	—	82, 88	88	GY-30616-21		GY-30616-22		GY-30616-63		GY-30616-24	
5/8" x 1/2"	—	89	—	GY-30616-25		GY-30616-26		GY-30616-67		GY-30616-28	
3/4" x 1/2"	—	—	90	GY-30616-29		GY-30616-30		GY-30616-71		GY-30616-32	
1" x 1/2"	—	—	92	GY-30616-33		GY-30616-34		GY-30616-75		GY-30616-36	

See next page for more...

Cole-Parmer® Plastic Fitting Kits

Get organized today!

Organize your workstation with these convenient barbed fittings kits. Assorted fittings come in an impact-resistant plastic box with secure snap-shut latches to prevent spillage. Labeled compartments let you easily locate the fittings you want. Choose from four materials: high-density polyethylene, black nylon, natural polypropylene, and natural PVDF.

Note: Storage racks are for kits only, not assortment packs.



Specifications

High-Density Polyethylene (HDPE)

Very good chemical resistance.
Temp range: -65 to 190°F (-53 to 87°C)

Nylon

Good chemical resistance.
Temp range: -40 to 200°F (-40 to 93°C)

Natural Polypropylene (PP)

Very good chemical resistance.
Temp range: 0 to 275°F (-17 to 135°C)

PVDF

Excellent chemical resistance.
Temp range: -79 to 275°F (-62 to 35°C)



Single barb fittings seal better than multi-barb fittings because they allow the tubing to relax around the barb.

Fitting sizes	Material	Catalog number	Price
Barbed connector/reducer kits			
Straight: 1/16", 3/32", 1/8", 5/32", 3/16", 1/4"	HDPE	GY-31514-01	
Reducing: 1/16" x (3/32", 1/8"); 1/8" x (1/16", 3/32", 5/32", 3/16", 1/4"); 1/4" x (5/32", 3/16", 5/16")	Nylon	GY-31514-02	
Press-in Plugs 1/16", 3/32", 1/8"	PP	GY-41514-03	
	PVDF	GY-31514-04	
Straight: 1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 1"	HDPE	GY-31514-05	
Reducing: 1/4" x (5/16", 3/8", 1/2", 5/8"); 3/8" x (5/16", 1/2", 5/8"); 1/2" x (5/16", 5/8"); 5/16" x 5/8"	Nylon	GY-31514-06	
	PP	GY-41514-07	
	PVDF	GY-31514-08	
NPT threaded barb adapter kits			
10-32 taper x 1/16", 3/32", 1/8", barb;	HDPE	GY-31514-09	
1/8" NPT(M) x 1/8", 5/32", 1/4", 5/16", 3/8";	Nylon	GY-31514-10	
1/4" NPT(M) x 1/8", 5/32", 3/16", 1/4", 5/16", 3/8", 1/2";	PP	GY-41514-11	
3/8" NPT(M) x 1/4", 5/32", 3/8", 1/2"; 1/2" NPT(M) x 1/4", 3/8", 1/2", 5/8", 3/4"	PVDF	GY-31514-12	
NPT barbed elbow/tee/Y connector kits			
Elbows: 1/16", 3/32", 1/8", 5/32", 3/16", 1/4", 5/16"	HDPE	GY-31514-13	
Tees: 1/16", 3/32", 1/8", 5/32", 3/16", 1/4", 5/16"	Nylon	GY-31514-14	
Y-connectors: 1/16", 3/16", 1/4", 3/8"	PP	GY-41514-15	
	PVDF	GY-31514-16	
Assortment packs			
Assortment pack includes straight, reducing, elbow, tee, and Y fittings in metric sizes from 4 to 16 mm (146 pieces total)	PP	GY-06286-00	
Mini fitting assortment pack. Contains 25 straight fittings, and 3/32" tubing ID sizes (240 pieces total)	PP	GY-06365-90	
T connector pack. Contains six each of the 4- to 14-mm sizes (36 pieces total)	PP	GY-06294-82	
Y connector pack. Contains six each of the 4- to 14-mm sizes (36 pieces total)	PP	GY-06295-82	
Straight/reducing connector pack. Contains two of each size of 1/16" to 1/8" fittings. (22 pieces total)	PP	GY-06460-00	
Assorted luer fittings (477 pieces total). See ColeParmer.com for kit composition.	PP, nylon, PC	GY-45511-00	

Accessories

[GY-31513-12](#) Storage rack holds four kits (models 31514-01, -02, -03, -04)

[GY-31513-32](#) Storage rack holds four kits (all other models)

Note: Storage racks above are for kits only, not assortment packs.

BarbLock™ Assemblies

No more crimps or tube distortion

- Easy to install, three-piece locking mechanism ensures the tubing and hose barb won't disengage
- Safe to use with pressures up to 140 psi†

To install the fitting, slide the sleeve and collet onto the tubing and then insert the barbed fitting into the tubing. Prelock the sleeve and collet by pressing them together until you hear a "click." Slide the sleeve and collet to the edge of the barbed fitting and lock with the BarbLock tool. Once assembled, the BarbLock assembly can only be unlocked with the removal tool.

Description	Catalog number	Price
1/4" BarbLock for 1/4" x 3/8" tube	GY-30604-00	
1/4" BarbLock for 1/4" x 7/16" tube	GY-30604-02	
3/8" BarbLock for 3/8" x 5/8" tube	GY-30604-04	
1/2" BarbLock for 1/2" x 3/4" tube	GY-30604-06	
Assembly tool for 1/4" BarbLock	GY-30604-10	
Assembly tool for 3/8" BarbLock	GY-30604-12	
Assembly tool for 1/2" BarbLock	GY-30604-14	
Removal tool for all sizes	GY-30604-16	

†Do not exceed the max safe operating pressure of your tubing.



Compression Fittings

Get a secure seal at higher pressures

Compression fittings are an excellent choice to connect rigid tubing systems and withstand higher pressures than barbed fittings. Assemble the fitting to the tubing by sliding the tubing through a sealing ferrule and using the nut to compress down to form a secure seal.

Specifications

Brass. Good chemical resistance; rated to 400 psi. Temp range: -85 to 482°F (-65 to 250°C). Include brass ferrules; UL-listed for use with flammable liquids; meet ASA, ASME, and SAE (J512) standards.

Nylon. Good chemical resistance. Temp range: -50 to 250°F (-46 to 121°C). Sterilize by ethylene oxide only.

PFA. Superior chemical resistance; rated to 150 psi (40 psi without grooving tool). Temp range: up to 347°F (175°C). Include built-in ferrules. Sterilize by either ethylene oxide or autoclave.

Polypropylene (PP). Very good chemical resistance.

Black: Rated to 300 psi. Temp range: 0 to 212°F (-17 to 100°C). With SS gripping rings. Sterilize by autoclave.

White: Rated to 220 psi. Temp range: 32 to 212°F (0 to 100°C). With plastic grippers. Sterilize by ethylene oxide.

PVDF. Excellent chemical resistance; rated to 220 psi. Temp range: -20 to 275°F (-29 to 135°C). Include plastic grippers. Sterilize by ethylene oxide or autoclave.

Stainless steel (316 SS). Very good chemical resistance; pressure limit depends on the tubing used, not the fitting. Temp range: -40 to 200°F (-40 to 93°C). Include ferrules. Sterilize by either ethylene oxide, autoclave, or gamma irradiation.

Note: Pressure ratings given are for smaller tubing ODs at 77°F (25°C). Ratings decrease with increases in tubing OD or temperature.

Tubing OD	Material	Key	Catalog number	Qty/pk	Price/pk
Straight unions					
1/16"	Brass	F	GY-31412-50	1	
1/16"	Parker, 316 SS	H	GY-30486-70	1	
1/8"	PFA	E	GY-31320-21	1	
1/8"	Brass	F	GY-31412-51	1	
1/8"	316 SS	G	GY-31406-01	1	
1/8"	Parker, 316 SS	H	GY-30486-00	1	
1/4"	Nylon	A	GY-06382-11	10	
1/4"	Black PP	B	GY-06444-51	25	
1/4"	White PP	C	GY-06381-10	10	
1/4"	PVDF	D	GY-06381-90	1	
1/4"	PFA	E	GY-31320-22	1	
1/4"	Brass	F	GY-31412-00	1	
1/4"	316 SS	G	GY-31406-02	1	
1/4"	Parker, 316 SS	H	GY-30486-01	1	
5/16"	Nylon	A	GY-06382-12	10	
5/16"	White PP	C	GY-06381-20	10	
5/16"	PVDF	D	GY-06381-91	1	
5/16"	Brass	F	GY-31412-52	1	
5/16"	316 SS	G	GY-31406-50	1	
5/16"	Parker, 316 SS	H	GY-30486-02	1	
3/8"	Nylon	A	GY-06382-13	10	
3/8"	White PP	C	GY-06381-30	10	
3/8"	Black PP	B	GY-06444-52	25	
3/8"	PVDF	D	GY-06381-92	1	
3/8"	PFA	E	GY-31320-23	1	
3/8"	Brass	F	GY-31412-01	1	
3/8"	316 SS	G	GY-31406-03	1	
3/8"	Parker, 316 SS	H	GY-30486-03	1	
1/2"	Nylon	A	GY-06382-14	10	
1/2"	White PP	C	GY-06381-40	10	
1/2"	Black PP	B	GY-06444-54	25	
1/2"	PVDF	D	GY-06381-93	1	
1/2"	PFA	E	GY-31321-65	1	
1/2"	Brass	F	GY-31412-02	1	
1/2"	316 SS	G	GY-31406-04	1	
1/2"	Parker, 316 SS	H	GY-30486-04	1	
5/8"	Nylon	A	GY-06382-15	10	
5/8"	White PP	C	GY-06381-50	10	
5/8"	Black PP	B	GY-06444-56	25	
5/8"	PVDF	D	GY-06381-94	1	
5/8"	Brass	F	GY-31412-53	1	
5/8"	316 SS	G	GY-31406-51	1	
5/8"	Parker, 316 SS	H	GY-30486-05	1	
3/4"	White PP	C	GY-06381-60	10	
3/4"	PFA	E	GY-31320-24	1	
3/4"	PVDF	D	GY-06381-95	1	
3/4"	Brass	F	GY-31412-03	1	
3/4"	316 SS	G	GY-31406-52	1	
3/4"	Parker, 316 SS	H	GY-30486-06	1	

Tubing OD	Material	Key	Catalog number	Qty/pk	Price/pk
Reducing unions					
1/4" x 1/8"	White PP	J	GY-06381-05	10	
1/4" x 1/8"	PVDF	K	GY-06381-80	1	
1/4" x 1/8"	PFA	L	GY-31320-00	1	
1/4" x 1/8"	316 SS	N	GY-31406-23	1	
1/4" x 1/8"	Parker, 316 SS	O	GY-30486-08	1	
3/16" x 1/4"	Nylon	I	GY-06382-17	10	
3/16" x 1/4"	White PP	J	GY-06381-70	10	
3/16" x 1/4"	PVDF	K	GY-06381-81	1	
3/16" x 1/4"	Brass	M	GY-31412-54	1	
3/16" x 1/4"	316 SS	N	GY-31406-24	1	
3/16" x 1/4"	Parker, 316 SS	O	GY-30486-09	1	
3/8" x 1/4"	Nylon	I	GY-06382-18	10	
3/8" x 1/4"	White PP	J	GY-06381-72	10	
3/8" x 1/4"	PVDF	K	GY-06381-82	1	
3/8" x 1/4"	PFA	L	GY-31320-01	1	
3/8" x 1/4"	Brass	M	GY-31412-25	1	
3/8" x 1/4"	316 SS	N	GY-31406-25	1	
3/8" x 1/4"	Parker, 316 SS	O	GY-30486-10	1	
3/8" x 1/4"	316 SS	N	GY-31406-26	1	
3/8" x 3/16"	Parker, 316 SS	O	GY-30486-11	1	
1/2" x 3/8"	Nylon	I	GY-06382-19	10	
1/2" x 3/8"	White PP	J	GY-06381-74	10	
1/2" x 3/8"	PVDF	K	GY-06381-83	1	
1/2" x 1/8"	PFA	L	GY-31320-02	1	
1/2" x 1/4"	PFA	L	GY-31320-03	1	
1/2" x 1/4"	Brass	M	GY-31412-56	1	
1/2" x 1/4"	316 SS	N	GY-31406-27	1	
1/2" x 1/4"	Parker, 316 SS	O	GY-30486-12	1	
1/2" x 3/8"	PFA	L	GY-31320-04	1	
1/2" x 3/8"	Brass	M	GY-31412-28	1	
1/2" x 3/8"	316 SS	N	GY-31406-28	1	
1/2" x 3/8"	Parker, 316 SS	O	GY-30486-13	1	
5/8" x 3/8"	White PP	J	GY-06381-76	1	
5/8" x 3/8"	PVDF	K	GY-06381-84	1	
5/8" x 3/8"	Brass	M	GY-31412-57	1	
5/8" x 3/8"	316 SS	N	GY-31406-54	1	
5/8" x 3/8"	Parker, 316 SS	O	GY-30486-14	1	
3/4" x 1/2"	PFA	L	GY-31320-05	1	
3/4" x 1/2"	Brass	M	GY-31412-58	1	
3/4" x 1/2"	316 SS	N	GY-31406-55	1	
3/4" x 1/2"	Parker, 316 SS	O	GY-30486-15	1	

Straight unions



Reducing unions



See next page for more...

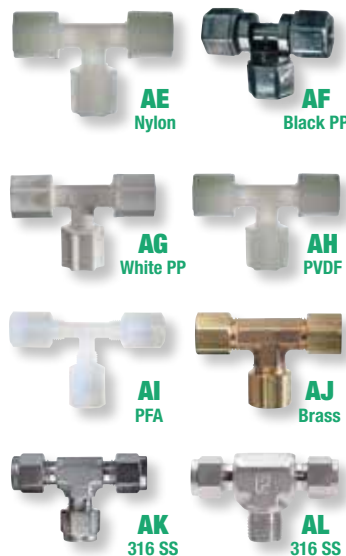
Union elbows



Bulkhead unions



Union tees



Compression Fittings (continued)

Compression fittings are an excellent choice to connect rigid tubing systems and withstand higher pressures than barbed fittings. Assemble the fitting to the tubing by sliding the tubing through a sealing ferrule and using the nut to compress down to form a secure seal.

For material descriptions, refer to page 311.

Tubing OD	Material	Key	Catalog number	Qty/ pk	Price/ pk
Union elbows					
1/16"	316 SS	V	GY-31406-56	1	
1/8"	Parker, 316 SS	W	GY-30486-17	1	
1/8"	PFA	T	GY-31320-25	1	
1/8"	Brass	U	GY-31412-06	1	
1/8"	316 SS	V	GY-31406-06	1	
1/4"	Parker, 316 SS	W	GY-30486-18	1	
1/4"	Nylon	P	GY-06382-21	10	
1/4"	White PP	R	GY-06383-10	10	
1/4"	Black PP	Q	GY-06444-41	25	
1/4"	PVDF	S	GY-06383-50	1	
1/4"	PFA	T	GY-31320-26	1	
1/4"	Brass	U	GY-31412-07	1	
1/4"	316 SS	V	GY-31406-07	1	
1/4"	Parker, 316 SS	W	GY-30486-19	1	
1/4"	White PP	R	GY-06383-20	10	
3/16"	PVDF	W	GY-06383-60	1	
3/8"	Nylon	P	GY-06382-22	10	
3/8"	White PP	R	GY-06383-30	10	
3/8"	Black PP	Q	GY-06444-42	25	
3/8"	PVDF	S	GY-06383-70	1	
3/8"	PFA	T	GY-31320-27	1	
3/8"	Brass	U	GY-31412-08	1	
3/8"	316 SS	V	GY-31406-08	1	
3/8"	Parker, 316 SS	W	GY-30486-20	1	
1/2"	White PP	R	GY-06383-40	10	
1/2"	Black PP	Q	GY-06444-44	25	
1/2"	PVDF	S	GY-06383-80	1	
1/2"	PFA	T	GY-31321-67	1	
1/2"	Brass	U	GY-31412-09	1	
1/2"	316 SS	V	GY-31406-09	1	
1/2"	Parker, 316 SS	W	GY-30486-21	1	
5/8"	White PP	R	GY-06383-42	10	
5/8"	Black PP	Q	GY-06444-46	25	
5/8"	PVDF	S	GY-06383-82	1	
5/8"	Brass	U	GY-31412-60	1	
5/8"	316 SS	V	GY-31406-57	1	
5/8"	Parker, 316 SS	W	GY-30486-22	1	
3/4"	PFA	T	GY-31320-28	1	
3/4"	Brass	U	GY-31412-61	1	
3/4"	316 SS	V	GY-31406-58	1	
3/4"	Parker, 316 SS	W	GY-30486-23	1	
Bulkhead unions					
1/8"	PFA	AB	GY-31320-82	1	
1/8"	316 SS	AD	GY-31406-12	1	
1/4"	Nylon	X	GY-06382-26	10	
1/4"	Black PP	Y	GY-06444-30	25	
1/4"	White PP	Z	GY-06390-10	10	
1/4"	PVDF	AA	GY-06390-50	1	
1/4"	PFA	AB	GY-31320-83	1	
1/4"	Brass	AC	GY-31412-13	1	
1/4"	316 SS	AD	GY-31406-13	1	
5/16"	Nylon	X	GY-06382-27	10	
5/16"	White PP	Z	GY-06390-20	10	
5/16"	PVDF	AA	GY-06390-60	1	
5/16"	Brass	AC	GY-31412-62	1	
5/16"	316 SS	AD	GY-31406-59	1	
3/8"	Nylon	X	GY-06382-28	10	
3/8"	Black PP	Y	GY-06444-32	25	
3/8"	White PP	Z	GY-06390-30	10	
3/8"	PVDF	AA	GY-06390-70	1	
3/8"	PFA	AB	GY-31320-84	1	
3/8"	Brass	AC	GY-31412-14	1	
3/8"	316 SS	AD	GY-31406-14	1	

Tubing OD	Material	Key	Catalog number	Qty/ pk	Price/ pk
Bulkhead unions—continued					
1/2"	Nylon	X	GY-06382-29	10	
1/2"	Black PP	Y	GY-06444-34	25	
1/2"	White PP	Z	GY-06390-40	10	
1/2"	PVDF	AA	GY-06390-80	1	
1/2"	Brass	AC	GY-31412-63	1	
1/2"	316 SS	AD	GY-31406-15	1	
3/4"	White PP	Z	GY-06390-42	10	
3/4"	PVDF	AA	GY-06390-82	1	
3/4"	PFA	AB	GY-31320-85	1	
3/4"	Brass	AC	GY-31412-64	1	
3/4"	316 SS	AD	GY-31406-60	1	
Union tees					
1/16"	Brass	AJ	GY-31412-65	1	
1/16"	316 SS	AK	GY-31406-16	1	
1/16"	Parker, 316 SS	AL	GY-30486-25	1	
1/8"	Nylon	AE	GY-06382-31	10	
1/8"	White PP	AG	GY-06382-05	10	
1/8"	PVDF	AH	GY-06382-45	1	
1/8"	PFA	AI	GY-31320-29	1	
1/8"	Brass	AJ	GY-31412-17	1	
1/8"	316 SS	AK	GY-31406-17	1	
1/4"	Nylon	AE	GY-06382-32	10	
1/4"	White PP	AG	GY-06382-10	10	
1/4"	Black PP	AF	GY-06444-61	25	
1/4"	PVDF	AH	GY-06382-50	1	
1/4"	PFA	AI	GY-31320-30	1	
1/4"	Brass	AJ	GY-31412-18	1	
1/4"	316 SS	AK	GY-31406-18	1	
1/4"	Parker, 316 SS	AL	GY-30486-27	1	
5/16"	Nylon	AE	GY-06382-33	10	
5/16"	White PP	AG	GY-06382-20	10	
5/16"	PVDF	AH	GY-06382-60	1	
5/16"	Brass	AJ	GY-31412-66	1	
5/16"	316 SS	AK	GY-31406-61	1	
5/16"	Parker, 316 SS	AL	GY-30486-28	1	
8 mm	PFA	AS	GY-31321-48	1	
3/8"	Nylon	AE	GY-06382-34	10	
3/8"	White PP	AG	GY-06382-30	10	
3/8"	Black PP	AF	GY-06444-62	25	
3/8"	PVDF	AH	GY-06382-70	1	
3/8"	PFA	AI	GY-31320-31	1	
3/8"	Brass	AJ	GY-31412-19	1	
3/8"	316 SS	AK	GY-31406-19	1	
3/8"	Parker, 316 SS	AL	GY-30486-29	1	
1/2"	Nylon	AE	GY-06382-35	10	
1/2"	White PP	AG	GY-06382-40	10	
1/2"	Black PP	AF	GY-06444-64	25	
1/2"	PVDF	AH	GY-06382-80	1	
1/2"	PFA	AI	GY-31320-32	1	
1/2"	Brass	AJ	GY-31412-20	1	
1/2"	316 SS	AK	GY-31406-20	1	
1/2"	Parker, 316 SS	AL	GY-30486-30	1	
5/8"	White PP	AG	GY-06382-42	10	
5/8"	Black PP	AF	GY-06444-66	25	
5/8"	PVDF	AH	GY-06382-82	1	
5/8"	Brass	AJ	GY-31412-67	1	
5/8"	316 SS	AK	GY-31406-62	1	
5/8"	Parker, 316 SS	AL	GY-30486-31	1	
3/4"	PFA	AI	GY-31320-33	1	
3/4"	Brass	AJ	GY-31412-68	1	
3/4"	316 SS	AK	GY-31406-63	1	
3/4"	Parker, 316 SS	AL	GY-30486-32	1	

DON'T RISK IT!



Our chemical compatibility database provides important information on chemical resistance—check it out at ColeParmer.com/ChemChart

Male threaded adapters straight



AM Nylon



AN Black PP



AO White PP



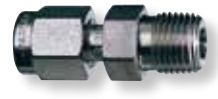
AP PVDF



AQ PFA



AR Brass



AS 316 SS



AT 316 SS

Tubing OD	Material	Key	Catalog number	Qty/ pk	Price/ pk
Male threaded adapters (straight), tubing OD x NPT(M)					
1/16" x 1/16"	316 SS	AS	GY-31406-33	1	
1/16" x 1/16"	Parker, 316 SS	AT	GY-30486-34	1	
1/8" x 1/8"	Nylon	AM	GY-06382-36	10	
1/8" x 1/8"	White PP	AO	GY-06385-05	10	
1/8" x 1/8"	PVDF	AP	GY-06385-80	1	
1/8" x 3/8"	PFA	AQ	GY-31320-07	1	
1/8" x 1/8"	Brass	AR	GY-31412-34	1	
1/8" x 1/8"	316 SS	AS	GY-31406-34	1	
1/8" x 1/8"	Parker, 316 SS	AT	GY-30486-35	1	
1/8" x 1/4"	PFA	AQ	GY-31321-69	1	
1/4" x 1/8"	Nylon	AM	GY-06382-37	10	
1/4" x 1/8"	White PP	AO	GY-06385-10	10	
1/4" x 1/8"	Black PP	AN	GY-06444-00	25	
1/4" x 1/8"	PVDF	AP	GY-06385-81	1	
1/4" x 1/8"	PFA	AQ	GY-31320-08	1	
1/4" x 1/8"	Brass	AR	GY-31412-69	1	
1/4" x 1/8"	316 SS	AS	GY-31406-64	1	
1/4" x 1/8"	Parker, 316 SS	AT	GY-30486-36	1	
1/4" x 1/4"	Nylon	AM	GY-06382-38	10	
1/4" x 1/4"	White PP	AO	GY-06385-20	10	
1/4" x 1/4"	Black PP	AN	GY-06444-01	25	
1/4" x 1/4"	PVDF	AP	GY-06385-82	1	
1/4" x 1/4"	PFA	AQ	GY-31320-09	1	
1/4" x 1/4"	Brass	AR	GY-31412-35	1	
1/4" x 1/4"	316 SS	AS	GY-31406-35	1	
1/4" x 1/4"	Parker, 316 SS	AT	GY-30486-37	1	
1/4" x 3/8"	PFA	AQ	GY-31321-19	1	
1/4" x 1/2"	PFA	AQ	GY-31321-20	1	
1/4" x 1/2"	Brass	AR	GY-31412-70	1	
1/4" x 1/2"	316 SS	AS	GY-31406-37	1	
1/4" x 1/2"	Parker, 316 SS	AT	GY-30486-38	1	
5/16" x 1/4"	Nylon	AM	GY-06382-39	10	
5/16" x 1/4"	White PP	AO	GY-06385-30	10	
5/16" x 1/4"	PVDF	AP	GY-06385-83	1	
5/16" x 3/8"	Brass	AR	GY-31412-71	1	
5/16" x 3/8"	316 SS	AS	GY-31406-65	1	
3/8" x 3/8"	PFA	AQ	GY-31321-21	1	
3/8" x 1/4"	Nylon	AM	GY-06382-41	10	
3/8" x 1/4"	White PP	AO	GY-06385-40	10	
3/8" x 1/4"	PVDF	AP	GY-06385-84	1	
3/8" x 1/4"	PFA	AQ	GY-31320-10	1	
3/8" x 1/4"	Brass	AR	GY-31412-72	1	
3/8" x 1/4"	316 SS	AS	GY-31406-66	1	
3/8" x 1/4"	Parker, 316 SS	AT	GY-30486-40	1	
3/8" x 3/8"	Nylon	AM	GY-06382-43	10	
3/8" x 3/8"	White PP	AO	GY-06385-50	10	
3/8" x 3/8"	Black PP	AN	GY-06444-02	25	
3/8" x 3/8"	PVDF	AP	GY-06385-85	1	
3/8" x 3/8"	PFA	AQ	GY-31320-11	1	
3/8" x 3/8"	Brass	AR	GY-31412-36	1	
3/8" x 3/8"	316 SS	AS	GY-31406-36	1	
3/8" x 3/8"	Parker, 316 SS	AT	GY-30486-41	1	
3/8" x 1/2"	Black PP	AN	GY-06444-03	25	
3/8" x 1/2"	PFA	AQ	GY-31321-22	1	

Tubing OD	Material	Key	Catalog number	Qty/ pk	Price/ pk
Male threaded adapters (straight), tubing OD x NPT(M)—cont.					
3/8" x 1/2"	Brass	AR	GY-31412-73	1	
3/8" x 1/2"	316 SS	AS	GY-31406-67	1	
3/8" x 1/2"	Parker, 316 SS	AT	GY-30486-42	1	
1/2" x 1/4"	PFA	AQ	GY-31321-23	1	
1/2" x 1/4"	Brass	AR	GY-31412-74	1	
1/2" x 1/4"	316 SS	AS	GY-31406-68	1	
1/2" x 1/4"	Parker, 316 SS	AT	GY-30486-43	1	
1/2" x 3/8"	Nylon	AM	GY-06382-44	10	
1/2" x 3/8"	White PP	AO	GY-06385-60	10	
1/2" x 3/8"	PVDF	AP	GY-06385-86	1	
1/2" x 3/8"	PFA	AQ	GY-31320-12	1	
1/2" x 3/8"	Brass	AR	GY-31412-75	1	
1/2" x 3/8"	316 SS	AS	GY-31406-69	1	
1/2" x 3/8"	Parker, 316 SS	AT	GY-30486-44	1	
1/2" x 1/2"	Nylon	AM	GY-06382-46	10	
1/2" x 1/2"	White PP	AO	GY-06385-70	10	
1/2" x 1/2"	Black PP	AN	GY-06444-04	25	
1/2" x 1/2"	PVDF	AP	GY-06385-87	1	
1/2" x 1/2"	PFA	AQ	GY-31320-13	1	
1/2" x 1/2"	Brass	AR	GY-31412-38	1	
1/2" x 1/2"	316 SS	AS	GY-31406-38	1	
1/2" x 1/2"	Parker, 316 SS	AT	GY-30486-45	1	
1/2" x 3/4"	Black PP	AN	GY-06444-05	25	
1/2" x 3/4"	PFA	AQ	GY-31321-24	1	
1/2" x 3/4"	Brass	AR	GY-31412-76	1	
1/2" x 3/4"	316 SS	AS	GY-31406-70	1	
1/2" x 3/4"	Parker, 316 SS	AT	GY-30486-46	1	
3/8" x 3/8"	White PP	AO	GY-06385-72	10	
5/8" x 3/8"	PVDF	AP	GY-06385-88	1	
5/8" x 3/8"	Brass	AR	GY-31412-77	1	
5/8" x 3/8"	316 SS	AS	GY-31406-71	1	
5/8" x 3/8"	Parker, 316 SS	AT	GY-30486-47	1	
5/8" x 1/2"	White PP	AO	GY-06385-74	10	
5/8" x 1/2"	Black PP	AN	GY-06444-06	25	
5/8" x 1/2"	PVDF	AP	GY-06385-89	1	
5/8" x 1/2"	Brass	AR	GY-31412-78	1	
5/8" x 1/2"	316 SS	AS	GY-31406-72	1	
5/8" x 1/2"	Parker, 316 SS	AT	GY-30486-48	1	
5/8" x 3/4"	Black PP	AN	GY-06444-07	25	
3/4" x 1/2"	White PP	AO	GY-06385-76	10	
3/4" x 1/2"	PVDF	AP	GY-06385-90	1	
3/4" x 1/2"	PFA	AQ	GY-31321-25	1	
3/4" x 1/2"	Brass	AR	GY-31412-79	1	
3/4" x 1/2"	316 SS	AS	GY-31406-73	1	
3/4" x 1/2"	Parker, 316 SS	AT	GY-30486-49	1	
3/4" x 3/4"	White PP	AO	GY-06385-78	10	
3/4" x 3/4"	PVDF	AP	GY-06385-91	1	
3/4" x 3/4"	PFA	AQ	GY-31321-26	1	
3/4" x 3/4"	Brass	AR	GY-31412-80	1	
3/4" x 3/4"	316 SS	AS	GY-31406-74	1	
3/4" x 3/4"	Parker, 316 SS	AT	GY-30486-50	1	

See next page for more...

Free Certificate of Compliance

Cole-Parmer will provide a certificate of resin or elastomer compliance FREE at your request with each order of fittings or tubing. Certificates list your company's PO number, order reference number, catalog number, formulation, compound number, lot number (where applicable), and the regulations and agencies the tubing or fitting complies with, including FDA, USP, USDA, National Formulary, NSF International, GMP, and 3A. Look for the blue "check" icon throughout this catalog to identify when a certificate of compliance is available.



Male threaded adapter elbows



AU Nylon **AV** Black PP



AW White PP **AX** PVDF



AY PFA **AZ** Brass

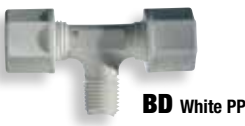


BA 316 SS **BB** 316 SS

Male branch tees



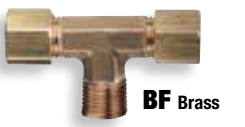
BC Black PP



BD White PP



BE PFA



BF Brass



BG 316 SS



BH 316 SS

Compression Fittings (continued)

Compression fittings are an excellent choice to connect rigid tubing systems and withstand higher pressures than barbed fittings. Assemble the fitting to the tubing by sliding the tubing through a sealing ferrule and using the nut to compress down to form a secure seal.

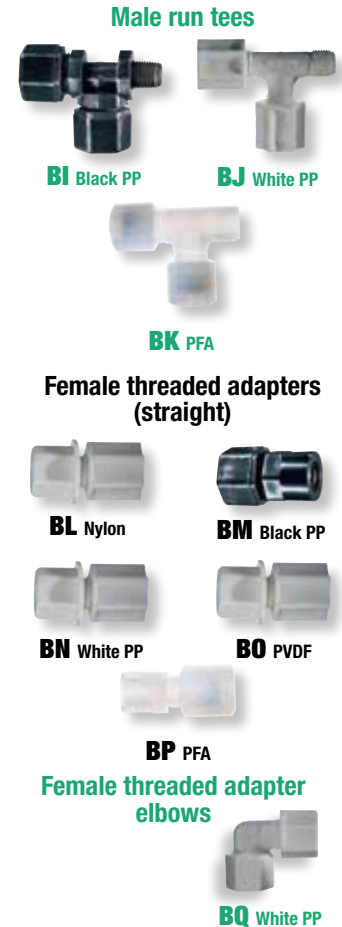
For material descriptions, refer to page 311.

Tubing OD	Material	Key	Catalog number	Qty/pk	Price/pk
Male threaded adapter elbows, tubing OD x NPT(M)					
1/8" x 1/8"	Nylon	AU	GY-06382-47	10	
1/8" x 1/8"	White PP	AW	GY-06386-05	10	
1/8" x 1/8"	PVDF	AX	GY-06386-80	1	
1/8" x 1/8"	PFA	AY	GY-31320-14	1	
1/8" x 1/8"	Brass	AZ	GY-31412-81	1	
1/8" x 1/8"	316 SS	BA	GY-31406-75	1	
1/8" x 1/8"	Parker, 316 SS	BB	GY-30486-52	1	
1/8" x 1/4"	PFA	AY	GY-31320-75	1	
1/8" x 1/4"	Brass	AZ	GY-31412-82	1	
1/8" x 1/4"	316 SS	BA	GY-31406-76	1	
1/8" x 1/4"	Parker, 316 SS	BB	GY-30486-53	1	
1/4" x 1/8"	Nylon	AU	GY-06382-48	10	
1/4" x 1/8"	White PP	AW	GY-06386-10	10	
1/4" x 1/8"	Black PP	AV	GY-06444-20	25	
1/4" x 1/8"	PVDF	AX	GY-06386-81	1	
1/4" x 1/8"	PFA	AY	GY-31320-15	1	
1/4" x 1/8"	Brass	AZ	GY-31412-83	1	
1/4" x 1/8"	316 SS	BA	GY-31406-77	1	
1/4" x 1/8"	Parker, 316 SS	BB	GY-30486-54	1	
1/4" x 1/4"	Nylon	AU	GY-06382-49	10	
1/4" x 1/4"	White PP	AW	GY-06386-20	10	
1/4" x 1/4"	Black PP	AV	GY-06444-21	25	
1/4" x 1/4"	PVDF	AX	GY-06386-82	1	
1/4" x 1/4"	PFA	AY	GY-31320-16	1	
1/4" x 1/4"	Brass	AZ	GY-31412-84	1	
1/4" x 1/4"	316 SS	BA	GY-31406-78	1	
1/4" x 1/4"	Parker, 316 SS	BB	GY-30486-55	1	
1/4" x 1/4"	PVDF	AX	GY-06386-83	1	
1/4" x 3/8"	PFA	AY	GY-31321-70	1	
1/4" x 1/2"	PFA	AY	GY-31321-71	1	
5/16" x 1/4"	Nylon	AU	GY-06382-51	10	
5/16" x 1/4"	White PP	AW	GY-06386-30	10	
3/8" x 1/8"	PFA	AY	GY-31320-76	1	
3/8" x 1/4"	White PP	AW	GY-06386-40	10	
3/8" x 1/4"	PVDF	AX	GY-06386-84	1	
3/8" x 1/4"	PFA	AY	GY-31320-17	1	
3/8" x 1/4"	Brass	AZ	GY-31412-85	1	
3/8" x 1/4"	316 SS	BA	GY-31406-79	1	
3/8" x 1/4"	Parker, 316 SS	BB	GY-30486-56	1	
3/8" x 3/8"	Nylon	AU	GY-06382-53	10	
3/8" x 3/8"	White PP	AW	GY-06386-50	10	
3/8" x 3/8"	Black PP	AV	GY-06444-22	25	
3/8" x 3/8"	PVDF	AX	GY-06386-85	1	
3/8" x 3/8"	PFA	AY	GY-31320-18	1	
3/8" x 3/8"	Brass	AZ	GY-31412-86	1	
3/8" x 3/8"	316 SS	BA	GY-31406-80	1	
3/8" x 3/8"	Parker, 316 SS	BB	GY-30486-57	1	
3/8" x 1/2"	Black PP	AV	GY-06444-23	25	
3/8" x 1/2"	PFA	AY	GY-31320-77	1	
3/8" x 1/2"	Brass	AZ	GY-31412-87	1	
3/8" x 1/2"	316 SS	BA	GY-31406-81	1	
3/8" x 1/2"	Parker, 316 SS	BB	GY-30486-58	1	
1/2" x 1/4"	PFA	AY	GY-31320-78	1	
1/2" x 3/8"	Nylon	AU	GY-06382-54	10	
1/2" x 3/8"	White PP	AW	GY-06386-60	10	
1/2" x 3/8"	PFA	AY	GY-31320-19	1	

Tubing OD	Material	Key	Catalog number	Qty/pk	Price/pk
Male threaded adapter elbows, tubing OD x NPT(M)—continued					
1/2" x 1/2"	Nylon	AU	GY-06382-55	10	
1/2" x 1/2"	White PP	AW	GY-06386-70	10	
1/2" x 1/2"	Black PP	AV	GY-06444-24	25	
1/2" x 1/2"	PVDF	AX	GY-06386-86	1	
1/2" x 1/2"	PFA	AY	GY-31320-20	1	
1/2" x 1/2"	Brass	AZ	GY-31412-88	1	
1/2" x 1/2"	316 SS	BA	GY-31406-82	1	
1/2" x 1/2"	Parker, 316 SS	BB	GY-30486-59	1	
1/2" x 3/4"	PFA	AY	GY-31320-79	1	
5/8" x 3/8"	White PP	AW	GY-06386-72	10	
5/8" x 1/2"	White PP	AW	GY-06386-74	10	
5/8" x 1/2"	Black PP	AV	GY-06444-25	25	
5/8" x 1/2"	PVDF	AX	GY-06386-87	1	
5/8" x 1/2"	Brass	AZ	GY-31412-89	1	
5/8" x 1/2"	316 SS	BA	GY-31406-83	1	
5/8" x 1/2"	Parker, 316 SS	BB	GY-30486-60	1	
3/4" x 1/2"	PFA	AY	GY-31320-80	1	
3/4" x 3/4"	PFA	AY	GY-31320-81	1	
3/4" x 3/4"	Brass	AZ	GY-31412-90	1	
3/4" x 3/4"	316 SS	BA	GY-31406-84	1	
3/4" x 3/4"	Parker, 316 SS	BB	GY-31406-81	1	
Male branch tees, tubing OD x NPT(M)					
1/8" x 1/8"	PFA	BE	GY-31320-34	1	
1/8" x 1/8"	Brass	BF	GY-31412-91	1	
1/8" x 1/8"	316 SS	BG	GY-31406-85	1	
1/8" x 1/8"	Parker, 316 SS	BH	GY-30486-63	1	
1/8" x 1/4"	PFA	BE	GY-31320-37	1	
1/4" x 1/8"	White PP	BD	GY-06389-10	10	
1/4" x 1/8"	PFA	BE	GY-31320-35	1	
1/4" x 1/4"	Black PP	BC	GY-06444-71	25	
1/4" x 1/4"	PFA	BE	GY-31320-36	1	
1/4" x 1/4"	Brass	BF	GY-31412-92	1	
1/4" x 1/4"	316 SS	BG	GY-31406-86	1	
1/4" x 1/4"	Parker, 316 SS	BH	GY-30486-64	1	
3/8" x 1/4"	White PP	BD	GY-06389-40	10	
3/8" x 1/4"	Brass	BF	GY-31412-93	1	
3/8" x 1/4"	PFA	BE	GY-31320-38	1	
3/8" x 1/4"	316 SS	BG	GY-31406-87	1	
3/8" x 1/4"	Parker, 316 SS	BH	GY-30486-65	1	
3/8" x 3/8"	Black PP	BC	GY-06444-72	25	
3/8" x 3/8"	PFA	BE	GY-31321-79	1	
3/8" x 3/8"	Brass	BF	GY-31412-94	1	
3/8" x 3/8"	316 SS	BG	GY-31406-88	1	
3/8" x 3/8"	Parker, 316 SS	BH	GY-30486-66	1	
3/8" x 1/2"	PFA	BE	GY-31320-86	1	
1/2" x 1/4"	PFA	BE	GY-31321-80	1	
1/2" x 3/8"	PFA	BE	GY-31320-87	1	
1/2" x 1/2"	White PP	BD	GY-06389-70	10	
1/2" x 1/2"	Black PP	BC	GY-06444-74	25	
1/2" x 1/2"	PFA	BE	GY-31321-81	1	
1/2" x 1/2"	Brass	BF	GY-31412-96	1	
1/2" x 1/2"	316 SS	BG	GY-31406-89	1	
1/2" x 1/2"	Parker, 316 SS	BH	GY-30486-67	1	
5/8" x 1/2"	White PP	BD	GY-06389-72	10	
5/8" x 1/2"	Black PP	BC	GY-06444-76	25	
5/8" x 1/2"	Brass	BF	GY-31412-97	1	
5/8" x 1/2"	316 SS	BG	GY-31406-90	1	
5/8" x 1/2"	Parker, 316 SS	BH	GY-30486-68	1	
3/4" x 3/4"	316 SS	BG	GY-31406-91	1	
3/4" x 3/4"	Parker, 316 SS	BH	GY-30486-69	1	

Tubing OD	Material	Key	Catalog number	Qty/ pk	Price/ pk
Male run tees, tubing OD x NPT(M)					
1/8" x 1/8"	PFA	BK	GY-31321-72	1	
1/8" x 1/4"	PFA	BK	GY-31321-73	1	
1/4" x 1/8"	PFA	BK	GY-31321-74	1	
1/4" x 1/8"	White PP	BJ	GY-06388-10	10	
1/4" x 1/8"	Black PP	BI	GY-06444-80	25	
1/4" x 1/4"	PFA	BK	GY-31321-75	1	
1/4" x 1/4"	White PP	BJ	GY-06388-20	10	
3/8" x 1/4"	White PP	BJ	GY-06388-40	10	
3/8" x 1/4"	Black PP	BI	GY-06444-82	25	
3/8" x 1/4"	PFA	BK	GY-31321-76	1	
1/2" x 1/4"	PFA	BK	GY-31321-77	1	
1/2" x 3/8"	Black PP	BI	GY-06444-84	25	
1/2" x 1/2"	White PP	BJ	GY-06388-70	10	
1/2" x 1/2"	PFA	BK	GY-31321-78	1	
5/8" x 1/2"	White PP	BJ	GY-06388-72	10	
5/8" x 1/2"	Black PP	BI	GY-06444-85	25	
3/4" x 3/4"	PFA	BK	GY-31320-39	1	
Female threaded adapters (straight), tubing OD x NPT(F)					
1/8" x 1/8"	PFA	BP	GY-31320-50	1	
1/8" x 1/4"	PFA	BP	GY-31320-51	1	
1/4" x 1/8"	White PP	BN	GY-06384-10	10	
1/4" x 1/8"	Black PP	BM	GY-06444-10	25	
1/4" x 1/8"	PVDF	BO	GY-06384-71	1	
1/4" x 1/8"	PFA	BP	GY-31320-52	1	
1/4" x 1/8"	Nylon	BL	GY-06382-57	10	
1/4" x 1/4"	Nylon	BL	GY-06382-56	10	
1/4" x 1/4"	White PP	BN	GY-06384-20	10	
1/4" x 1/4"	Black PP	BM	GY-06444-11	25	
1/4" x 1/4"	PVDF	BO	GY-06384-72	1	
1/4" x 1/4"	PFA	BP	GY-31320-53	1	
1/4" x 3/8"	PFA	BP	GY-31320-70	1	
1/4" x 1/2"	PFA	BP	GY-31320-71	1	

Tubing OD	Material	Key	Catalog number	Qty/ pk	Price/ pk
Female threaded adapters (straight), tubing OD x NPT(F)—cont.					
5/16" x 1/4"	Nylon	BL	GY-06382-58	10	
5/16" x 1/4"	White PP	BN	GY-06384-30	10	
5/16" x 1/4"	PVDF	BO	GY-06384-73	1	
3/8" x 1/4"	Nylon	BL	GY-06382-59	10	
3/8" x 1/4"	White PP	BN	GY-06384-40	10	
3/8" x 1/4"	PVDF	BO	GY-06384-74	1	
3/8" x 1/4"	PFA	BP	GY-31320-54	1	
3/8" x 3/8"	White PP	BN	GY-06384-50	10	
3/8" x 3/8"	Black PP	BM	GY-06444-12	25	
3/8" x 3/8"	PVDF	BO	GY-06384-75	1	
3/8" x 3/8"	PFA	BP	GY-31320-55	1	
3/8" x 1/2"	PFA	BP	GY-31320-56	1	
1/2" x 1/4"	PFA	BP	GY-31320-72	1	
1/2" x 3/8"	White PP	BN	GY-06384-60	10	
1/2" x 3/8"	Nylon	BL	GY-06382-62	25	
1/2" x 3/8"	Black PP	BM	GY-06444-13	25	
1/2" x 3/8"	PVDF	BO	GY-06384-76	1	
1/2" x 3/8"	PFA	BP	GY-31320-57	1	
1/2" x 1/2"	PFA	BP	GY-31320-58	1	
1/2" x 3/4"	PFA	BP	GY-31320-73	1	
3/4" x 1/2"	PFA	BP	GY-31321-82	1	
3/4" x 3/4"	PFA	BP	GY-31320-74	1	
Female pipe adapter elbows, tubing OD x NPT(F)					
1/8" x 1/4"	White PP	BQ	GY-06387-05	10	
1/4" x 1/8"	White PP	BQ	GY-06387-10	10	
1/4" x 1/4"	White PP	BQ	GY-06387-20	10	
5/16" x 1/4"	White PP	BQ	GY-06387-30	10	
3/8" x 1/4"	White PP	BQ	GY-06387-40	10	
1/2" x 3/8"	White PP	BQ	GY-06387-60	10	
1/2" x 1/2"	White PP	BQ	GY-06387-62	10	
5/8" x 1/2"	White PP	BQ	GY-06387-64	10	
3/8" x 3/8"	PFA	—	GY-31321-83	1	
1/2" x 1/2"	PFA	—	GY-31321-84	1	



Accessories (for Compression Fittings on pages 311-315)

Get pressures up to 225 psi without a grooving tool

Key	Material	Tubing OD	Catalog number	Qty/ pk	Price/ pk
Compression nut assemblies (include ferrules)					
A	White PP	1/8"	GY-06380-05	10	
		1/4"	GY-06380-11	10	
		5/16"	GY-06380-21	10	
		3/8"	GY-06380-31	10	
		1/2"	GY-06380-41	10	
B	PVDF	1/8"	GY-06380-60	1	
		1/4"	GY-06380-61	1	
		1/2"	GY-06380-65	1	
C	PFA	1/8"	GY-31321-85	1	
		1/4"	GY-31321-86	1	
		3/8"	GY-31321-87	1	
		1/2"	GY-31321-88	1	
		3/4"	GY-31321-89	1	
D	Brass	1/16"	GY-31212-68	10	
		1/8"	GY-31212-69	10	
		1/4"	GY-31212-70	10	
		3/8"	GY-31212-71	10	
E	316 SS	1/16"	GY-31212-67	1	
		1/8"	GY-31212-66	1	
		1/4"	GY-31212-65	1	
		3/8"	GY-31212-64	1	
		1/2"	GY-31212-63	1	

Key	Material	Tubing OD	Catalog number	Qty/ pk	Price/ pk
Ferrule plugs					
F	PFA	1/8"	GY-31320-45	1	
		1/4"	GY-31320-46	1	
		3/8"	GY-31320-47	1	
		1/2"	GY-31320-48	1	
		3/4"	GY-31320-49	1	
Inserts for soft tubing (tubing OD x ID)					
G	White PP	1/4" x 5/32"	GY-06391-10	10	
		5/16" x 3/16"	GY-06391-20	10	
		3/8" x 1/4"	GY-06391-30	10	
H	Black PP	1/2" x 3/8"	GY-06391-40	10	
		1/4" x 1/8"	GY-06444-91	25	
		3/8" x 1/4"	GY-06444-92	25	
		1/2" x 3/8"	GY-06444-94	25	
H	Black PP	5/8" x 1/2"	GY-06444-96	25	



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.

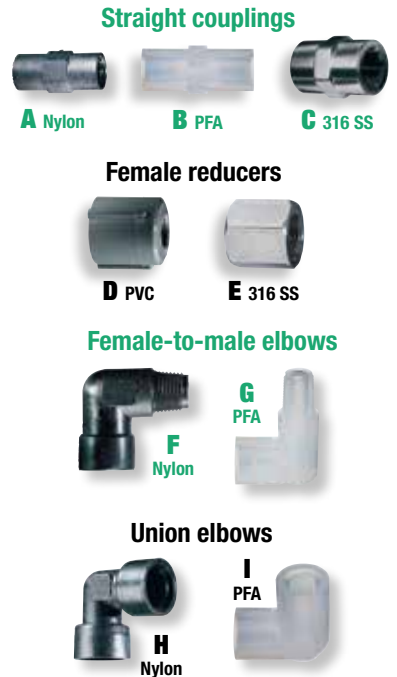
Nylon. Good chemical resistance. Rated at 200 psi at 77°F (25°C). Temp range: –40 to 200°F (–40 to 93°C). Sterilize by EtO only.

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.

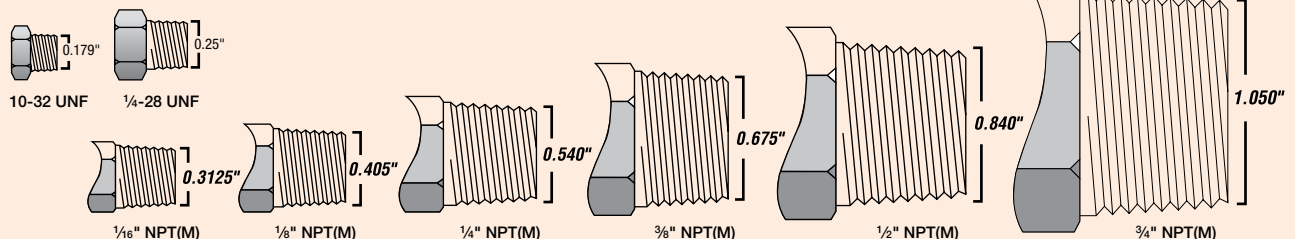
Thread size	Material	Key	Catalog number	Qty/ pk	Price/ pk
Straight couplings, NPT(F)					
1/8"	Nylon	A	GY-06349-00	6	
1/8"	PFA	B	GY-06546-00	1	
1/8"	316 SS	C	GY-31410-00	1	
1/4"	Nylon	A	GY-06349-01	6	
1/4"	PFA	B	GY-06546-01	1	
1/4"	316 SS	C	GY-31410-01	1	
3/8"	Nylon	A	GY-06349-02	6	
3/8"	PFA	B	GY-06546-02	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



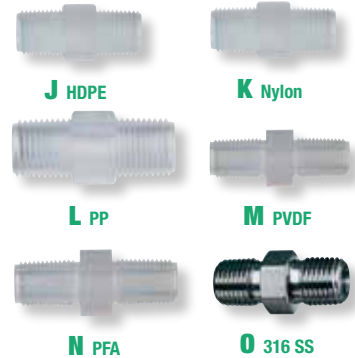
Cole-Parmer also offers BSP (British Standard Pipe) fittings for connecting systems that use both NPT and BSP thread configurations. See the table at right for a comparison of these two thread styles.

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

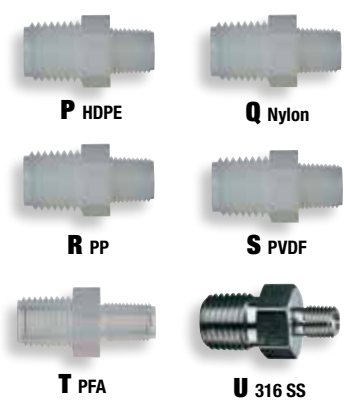
Thread size	Material	Key	Catalog number	Qty/ pk	Price/ pk
Nipples, NPT(M)					
10-32 UNF	Nylon	K	GY-31502-10	25	
10-32 UNF	PP	L	GY-31503-10	25	
1/8"	HDPE	J	GY-30623-24	10	
1/8"	Nylon	K	GY-30623-25	6	
1/8"	PP	L	GY-40610-90	10	
1/8"	PVDF	M	GY-30706-00	10	
1/8"	PFA	N	GY-06546-22	1	
1/8"	316 SS	O	GY-31410-40	1	
1/4"	HDPE	J	GY-30623-26	10	
1/4"	Nylon	K	GY-30623-27	10	
1/4"	PP	L	GY-40610-91	10	
1/4"	PVDF	M	GY-30706-01	10	
1/4"	PFA	N	GY-06546-24	1	
1/4"	316 SS	O	GY-31410-41	1	
3/8"	HDPE	J	GY-30623-28	10	
3/8"	Nylon	K	GY-30623-29	6	
3/8"	PP	L	GY-40610-92	10	
3/8"	PVDF	M	GY-30706-02	10	
3/8"	PFA	N	GY-06546-26	1	
3/8"	316 SS	O	GY-31410-42	1	
1/2"	HDPE	J	GY-30623-31	10	
1/2"	Nylon	K	GY-30629-02	6	
1/2"	PP	L	GY-40610-93	10	
1/2"	PVDF	M	GY-30706-03	10	
1/2"	PFA	N	GY-06546-29	1	
1/2"	316 SS	O	GY-31410-43	1	
3/4"	HDPE	J	GY-30623-20	10	
3/4"	Nylon	K	GY-30623-21	6	
3/4"	PP	L	GY-40610-94	5	
3/4"	PVDF	M	GY-30706-04	5	
3/4"	PFA	N	GY-06546-31	1	
3/4"	316 SS	O	GY-31410-44	1	
1"	HDPE	J	GY-30623-22	10	
1"	Nylon	K	GY-30623-23	10	
1"	PP	L	GY-40610-95	5	
1"	PVDF	M	GY-30706-05	5	
1"	316 SS	O	GY-31410-45	1	
Male reducers, NPT(M) x NPT(M)					
1/4" x 1/8"	HDPE	P	GY-30623-32	10	
1/4" x 1/8"	Nylon	Q	GY-30623-34	6	
1/4" x 1/8"	PP	R	GY-40623-35	10	
1/4" x 1/8"	PVDF	S	GY-30623-33	10	
1/4" x 1/8"	PFA	T	GY-06546-23	1	
1/4" x 1/8"	316 SS	U	GY-31410-50	1	
3/8" x 1/8"	HDPE	P	GY-30623-36	10	
3/8" x 1/8"	Nylon	Q	GY-30623-38	6	
3/8" x 1/8"	PP	R	GY-40623-39	10	
3/8" x 1/8"	PVDF	S	GY-30623-37	10	
3/8" x 1/8"	316 SS	U	GY-31410-51	1	
3/8" x 1/4"	HDPE	P	GY-30623-40	10	
3/8" x 1/4"	Nylon	Q	GY-30623-42	6	
3/8" x 1/4"	PP	R	GY-40623-43	10	
3/8" x 1/4"	PVDF	S	GY-30623-41	10	
3/8" x 1/4"	316 SS	U	GY-31410-52	1	
1/2" x 1/8"	HDPE	P	GY-30623-44	10	
1/2" x 1/8"	Nylon	Q	GY-30623-46	6	
1/2" x 1/8"	PP	R	GY-40623-47	10	
1/2" x 1/8"	PVDF	S	GY-30623-45	10	
1/2" x 1/4"	HDPE	P	GY-30623-48	10	
1/2" x 1/4"	Nylon	Q	GY-30623-50	6	
1/2" x 1/4"	PP	R	GY-40623-51	10	
1/2" x 1/4"	PVDF	S	GY-30623-49	10	
1/2" x 1/4"	PFA	T	GY-06546-27	1	

Thread size	Material	Key	Catalog number	Qty/ pk	Price/ pk
Male reducers, NPT(M) x NPT(M)—continued					
1/2" x 3/8"	HDPE	P	GY-30623-52	10	
1/2" x 3/8"	Nylon	Q	GY-30623-54	6	
1/2" x 3/8"	PP	R	GY-40623-55	10	
1/2" x 3/8"	PVDF	S	GY-30623-53	10	
1/2" x 3/8"	PFA	T	GY-06546-28	1	
1/2" x 3/8"	316 SS	U	GY-31410-55	1	
3/4" x 3/8"	Nylon	Q	GY-06349-86	6	
3/4" x 1/2"	HDPE	P	GY-31701-89	10	
3/4" x 1/2"	Nylon	Q	GY-06349-87	6	
3/4" x 1/2"	PFA	T	GY-06546-30	1	
3/4" x 1/2"	316 SS	U	GY-31410-56	1	
Reducing bushings, NPT(M) x NPT(F)					
1/4" x 1/8"	Nylon	V	GY-06349-30	6	
1/4" x 1/8"	PFA	W	GY-06546-05	1	
1/4" x 1/8"	Brass	X	GY-08539-81	1	
1/4" x 1/8"	316 SS	Y	GY-08539-89	1	
3/8" x 1/8"	Nylon	V	GY-06349-31	6	
3/8" x 1/8"	PFA	W	GY-06546-06	1	
3/8" x 1/8"	Brass	X	GY-08539-82	1	
3/8" x 1/8"	316 SS	Y	GY-08539-90	1	
3/8" x 1/4"	Nylon	V	GY-06349-32	6	
3/8" x 1/4"	PFA	W	GY-06546-07	1	
3/8" x 1/4"	Brass	X	GY-08539-83	1	
3/8" x 1/4"	316 SS	Y	GY-08539-91	1	
1/2" x 1/8"	Brass	X	GY-08539-84	1	
1/2" x 1/8"	316 SS	Y	GY-08539-92	1	
1/2" x 1/4"	Nylon	V	GY-06349-33	6	
1/2" x 1/4"	PFA	W	GY-06546-08	1	
1/2" x 1/4"	Brass	X	GY-08539-85	1	
1/2" x 1/4"	316 SS	Y	GY-08539-93	1	
1/2" x 3/8"	Nylon	V	GY-06349-34	6	
1/2" x 3/8"	PFA	W	GY-06546-09	1	
1/2" x 3/8"	316 SS	Y	GY-08539-94	1	
3/4" x 1/8"	Nylon	V	GY-06349-36	6	
3/4" x 1/4"	Nylon	V	GY-06349-37	6	
3/4" x 3/8"	Nylon	V	GY-06349-38	6	
3/4" x 1/2"	Nylon	V	GY-06349-35	6	
3/4" x 1/2"	PFA	W	GY-06546-10	1	
3/4" x 1/2"	PFA	W	GY-06546-11	1	
1" x 3/4"	Nylon	Y	GY-06349-39	6	
Reducing bushings, NPT(M) X UNF(F)					
1/8" x 1/4-28	Nylon	Z	GY-31502-21	25	
1/8" x 1/4-28	PP	AA	GY-31503-21	25	
1/8" x 10-32	Nylon	Z	GY-31502-20	25	
1/8" x 10-32	PP	AA	GY-31503-20	25	
1/4" x 1/4-28	Nylon	Z	GY-31502-23	25	
1/4" x 1/4-28	PP	AA	GY-31503-23	25	
1/4" x 10-32	Nylon	Z	GY-31502-22	25	
1/4" x 10-32	PP	AA	GY-31503-22	25	
Right-angle tees, NPT(F) x NPT(F) x NPT(M)					
1/8" x 1/8" x 1/8"	Nylon	AB	GY-06349-20	6	
3/8" x 3/8" x 3/8"	Nylon	AB	GY-06349-22	6	
Tees, NPT(F)					
1/8"	Nylon	AC	GY-06349-50	6	
1/8"	PFA	AD	GY-06546-17	1	
1/4"	Nylon	AC	GY-06349-51	6	
1/4"	PFA	AD	GY-06546-18	1	
3/8"	Nylon	AC	GY-06349-52	6	
3/8"	PFA	AD	GY-06546-19	1	
1/2"	Nylon	AC	GY-06349-53	6	
1/2"	PFA	AD	GY-06546-20	1	
3/4"	Nylon	AC	GY-06349-54	6	
3/4"	PFA	AD	GY-06546-21	1	

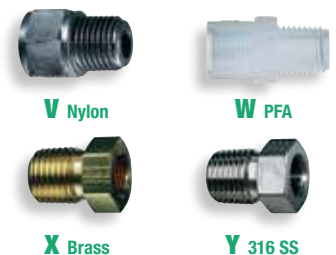
Nipples



Male reducers



Reducing bushings NPT(M) x NPT(F)



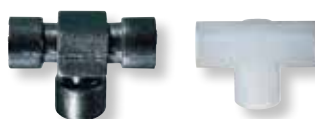
Reducing bushings NPT(M) x UNF(F)



Right-angle tee



Tees

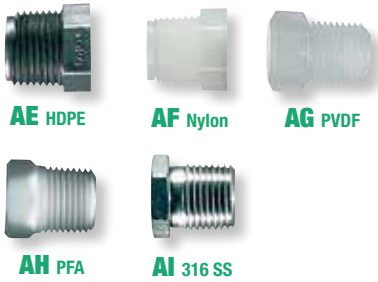


AC Nylon

AD PFA

See next page for more...

Pipe plugs, NPT(M)



Pipe plugs, UNF(M)



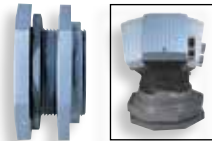
Bulkhead connectors



†NPT(F) thread throughout.
‡NPT(F) thread on one side only.



Swivel bulkhead connectors



AQ PVC

Threaded Fittings (continued)

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.

For material descriptions, refer to page 316.

Thread size	Material	Key	Catalog number	Qty/ pk	Price/ pk
Pipe plugs, NPT(M)					
1/16"	PVDF	AG	GY-30706-20	10	
1/8"	HDPE	AE	GY-31701-90	10	
1/8"	Nylon	AF	GY-31701-91	10	
1/8"	PVDF	AG	GY-30706-21	10	
1/8"	316 SS	AI	GY-31411-05	1	
1/8"	PFA	AH	GY-06546-37	1	
1/4"	HDPE	AE	GY-30401-43	10	
1/4"	Nylon	AF	GY-30401-42	10	
1/4"	PFA	AH	GY-06546-38	1	
1/4"	316 SS	AI	GY-31411-06	1	
3/8"	HDPE	AE	GY-30401-51	10	
3/8"	Nylon	AF	GY-30401-50	10	
3/8"	PFA	AH	GY-06546-39	1	
3/8"	316 SS	AI	GY-31408-07	1	
1/2"	HDPE	AE	GY-30401-39	10	
1/2"	Nylon	AF	GY-30401-38	10	
1/2"	PFA	AH	GY-06546-40	1	
1/2"	316 SS	AI	GY-31408-08	1	
3/4"	HDPE	AE	GY-30401-47	10	
3/4"	Nylon	AF	GY-30401-46	10	
3/4"	PFA	AH	GY-06546-41	1	
1"	316 SS	AI	GY-31411-10	1	
1"	Nylon	AF	GY-30401-36	10	
Pipe plugs, UNF(M)					
10-32	Nylon	AJ	GY-31502-30	25	
10-32	PP	AK	GY-31503-30	25	
10-32	PVDF	AL	GY-30706-30	10	
1/4-28	PVDF	AL	GY-30706-31	10	

Thread size	Material	Key	Catalog number	Qty/ pk	Price/ pk
Bulkhead connectors, NPT(F) x ODT					
1/8" x 3/8"	Nylon	AM	GY-06349-10	6	
1/4" x 3/4"			GY-06349-11	6	
3/8" x 7/8"			GY-06349-12	6	
1/4" x 27/32"	PVC	AN	GY-06445-10	1	
1/2" x 1 3/8"			GY-06445-21	1	
3/4" x 1 5/8"			GY-06445-31	1	
1" x 1 7/8"	PVC	AN	GY-06445-41	1	
1 1/2" x 2 3/8"			GY-06445-71	1	
2" x 3 1/2"			GY-06445-81	1	
1/2" x 1 3/8"	PP	AO	GY-06447-21	1	
3/4" x 1 5/8"			GY-06447-31	1	
1" x 1 7/8"			GY-06447-41	1	
1 1/2" x 2 3/8"	LLDPE	AP	GY-06447-71	1	
2" x 3 1/2"			GY-06447-81	1	
3/4" x 1 11/16"			GY-06924-50	1	
1" x 2 5/8"	LLDPE	AP	GY-06924-51	1	
1 1/4" x 2 3/8"			GY-06924-52	1	
1 1/2" x 2 5/8"			GY-06924-53	1	
2" x 3 1/4"	LLDPE	AP	GY-06924-54	1	
3" x 4 3/8"			GY-06924-55	1	
Swivel bulkhead connectors, NPT(F)					
1"	PVC	AQ	GY-31800-00	1	
2"			GY-31800-10	1	
3"			GY-31800-20	1	

†Nylon fittings have no gaskets; PVC and PP fittings have neoprene gaskets; LLDPE fittings have EPDM gaskets; PVDF fittings have Viton® gaskets.

Cole-Parmer® PTFE Thread Tape

Prevents leaks and seepage

Description	Roll width	Roll length	Catalog number	Price
Plumber's tape	1/2"	43 ft (13 m)	GY-08270-33	
Plumber's tape	3/4"	43 ft (13 m)	GY-08270-34	
Sealer string	3/32"	20 ft (6 m)	GY-08782-45	



Thermoplastic NPT(F) Manifolds

Organize your fluid path easily

Specifications

Material	Maximum pressure	Temperature range
Nylon	200 psi	-60 to 180°F (-54 to 82°C)
Polypropylene	150 psi	32 to 210°F (0 to 99°C)
PTFE	120 psi	-200 to 300°F (-129 to 150°C)
PVDF	150 psi	-65 to 230°F (54 to 110°C)



No. of outlets	Inlet NPT(F)	Outlet NPT(F)	Mounting hole	Dimension (L x W x H)	Nylon		Polypropylene		PTFE		PVDF	
					Catalog number	Price	Catalog number	Price	Catalog number	Price	Catalog number	Price
4	1/4"	1/8"	0.17"	3 1/4" x 1" x 1"	GY-31522-37		GY-31522-07		GY-31521-07		GY-31523-37	
	3/8"	1/4"	0.20"	4 1/8" x 1 1/4" x 1 1/4"	GY-31522-39		GY-31522-09		GY-31521-09		GY-31523-39	
	1/2"	3/8"	0.20"	4 3/4" x 1 1/2" x 1 1/2"	GY-31522-41		GY-31522-11		GY-31521-11		GY-31523-41	
6	1/4"	1/8"	0.17"	4 3/4" x 1" x 1"	GY-31522-43		GY-31522-13		GY-31521-13		GY-31523-43	
	3/8"	1/4"	0.20"	5 7/8" x 1 1/4" x 1 1/4"	GY-31522-45		GY-31522-15		GY-31521-15		GY-31523-45	
	1/2"	3/8"	0.20"	6 3/4" x 1 1/2" x 1 1/2"	GY-31522-47		GY-31522-17		GY-31521-17		GY-31523-47	
10	1/4"	1/8"	0.17"	7 3/4" x 1" x 1"	GY-31522-55		GY-31522-25		GY-31521-25		GY-31523-55	
	3/8"	1/4"	0.20"	9 3/8" x 1 1/4" x 1 1/4"	GY-31522-57		GY-31522-27		GY-31521-27		GY-31523-57	
	1/2"	3/8"	0.20"	10 3/4" x 1 1/2" x 1 1/2"	GY-31522-59		GY-31522-29		GY-31521-29		GY-31523-59	

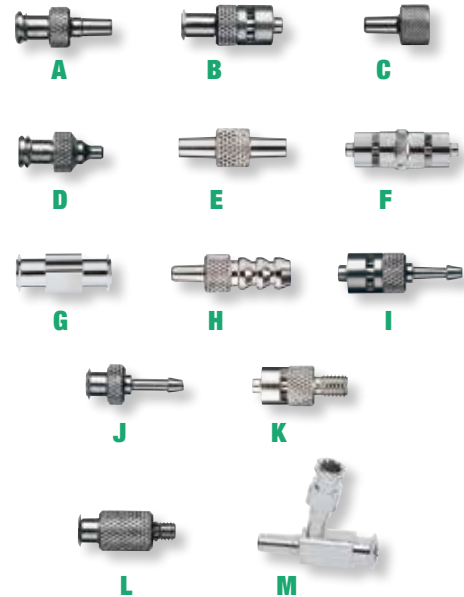
Metal Luer Fittings, Stopcocks, and Manifolds

Worry-free cleaning with easy disassembly

- Exceptional durability
- Stopcock handles turn 180°
- Select 316 stainless steel fittings for your harsh chemical environments
- Autoclavable

316 Stainless Steel and Nickel-Plated Brass Fittings

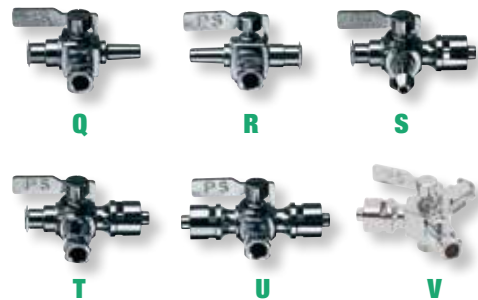
Key	Description	316 stainless steel		Nickel-plated brass	
		Catalog number	Price/ea	Catalog number	Price/ea
A	Female luer x male luer	GY-41507-20		GY-41507-50	
B	Female luer x male luer lock	GY-41507-21		GY-41507-51	
C	Male luer plug	GY-41507-22		GY-41507-54	
	Male luer lock plug	GY-41507-23		GY-41507-52	
D	Female luer plug	GY-41507-24		GY-41507-53	
E	Male luer x male luer	—		GY-41507-57	
F	Male luer lock x male luer lock	GY-41507-90		GY-41507-55	
G	Female luer x female luer	GY-41507-89		GY-41507-56	
H	Male luer x 1/4" hose barb	—		GY-41507-60	
I	Male luer lock x 1/16" hose barb	GY-41507-26		GY-41507-62	
	Male luer lock x 1/8" hose barb	GY-41507-25		GY-41507-61	
	Male luer lock x 1/4" hose barb	GY-41507-27		GY-41507-66	
J	Female luer x 1/16" hose barb	GY-41507-29		GY-41507-64	
	Female luer x 1/8" hose barb	GY-41507-28		GY-41507-63	
	Female luer x 3/16" hose barb	GY-41507-30		GY-41507-65	
K	Male luer lock x 10-32 UNF thread	GY-41507-31		GY-41507-70	
	Male luer lock x 1/4-28 UNF thread	GY-41507-32		GY-41507-73	
	Male luer lock x 1/8" NPT	GY-41507-44		GY-41507-84	
	Male luer lock x 1/4" NPT	GY-41507-45		GY-41507-85	
L	Female luer x 10-32 UNF thread	GY-41507-33		GY-41507-71	
	Female luer x 1/4-28 UNF thread	GY-41507-34		GY-41507-72	
	Female luer x 1/8" NPT	GY-41507-46		GY-41507-86	
	Female luer x 1/4" NPT	GY-41507-48		GY-41507-87	
M	Side arm injection port 2 female, 1 male luer	—		GY-41507-83	



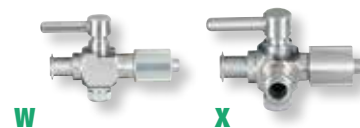
One-way stopcocks



Three-way stopcocks



Two- and three-way 303 SS stopcocks



Four-way stopcock



Manifolds



Nickel-Plated Brass and Stainless Steel Stopcocks

Key	Description	Catalog number	Price/ea
One-way stopcocks, nickel-plated brass			
N	Female luer x male luer	GY-41507-00	
O	Female luer x male luer lock	GY-41507-01	
P	Male luer lock x male luer lock	GY-41507-02	
Three-way stopcocks, nickel-plated brass			
Q	Female luer x male luer x side-arm (right) female luer	GY-41507-10	
R	Female luer x male luer x side-arm (left) female luer	GY-41507-14	
S	Female luer x male luer lock x side-arm 1/8" hose barb	GY-41507-11	
T	Female luer x male luer lock x side-arm female luer	GY-41507-12	
U	Male luer lock x male luer lock x side-arm female luer	GY-41507-13	
V	Y-stopcock 2 females, 1 male lock	GY-41507-15	
Two- and three-way stopcocks, 303 SS			
W	Two-way, female x male luer	GY-41607-00	
X	Three-way, female luer x male luer x male luer	GY-41607-02	
Four-way stopcocks, chrome-plated brass with satin finish			
Y	Female luer x male luer x male luer x male luer	GY-41607-08	

Nickel-Plated Brass Manifolds

Key	Description	Catalog number	Price/ea
Z	3 male lock ports with 1 female port	GY-41507-91	
	4 male lock ports with 1 female port	GY-41507-92	
	5 male lock ports with 1 female port	GY-41507-93	
	5 female ports with 1 male port	GY-41507-95	

Cole-Parmer® Premium Luer Fittings

Ensure your process integrity with full material traceability

– Manufactured from 100% virgin raw materials in a Class 100,000 environment

These luer fittings are ideal for a variety of critical applications, including syringes or small tubing. Manufactured in compliance with ISO 594-1 standards, these fittings are inspected to be free from contaminants, and are fully traceable. All parts meet tight dimensional tolerances for increased reliability and process purity. Choose from a range of sizes, 1/16" to 1/4", with a variety of connection options. **Sold in pack of 25.**



Key	Description	Polypropylene		Polycarbonate		Nylon		PVDF	
		Catalog number	Price/pk	Catalog number	Price/pk	Catalog number	Price/pk	Catalog number	Price/pk
Female luer x standard hose barb adapters									
A	Female luer x 1/16" hose barb	GY-45508-00		GY-45501-00		GY-45502-00		GY-45512-00	
	Female luer x 3/32" hose barb	GY-45508-02		GY-45501-02		GY-45502-02		GY-45512-02	
	Female luer x 1/8" hose barb	GY-30800-08		GY-45501-04		GY-45502-04		GY-45512-04	
	Female luer x 5/32" hose barb	GY-45508-06		GY-45501-06		GY-45502-06		GY-45512-06	
	Female luer x 3/16" hose barb	GY-45508-08		GY-45501-08		GY-45502-08		GY-45512-08	
	Female luer x 1/4" hose barb	GY-30800-06		GY-45501-20		GY-45502-20		—	
Female luer x hose barb adapters (smooth bore)									
B	Female luer x 1/16" hose barb	GY-45508-50		GY-45501-50		GY-45502-50		—	
	Female luer x 3/32" hose barb	GY-45508-52		GY-45501-52		GY-45502-52		—	
	Female luer x 1/8" hose barb	GY-45508-54		GY-45501-54		GY-45502-54		—	
Female luer x hose barb adapters (wide bore)									
C	Female luer x 1/16" hose barb	GY-45508-01		GY-45501-01		GY-45502-01		—	
	Female luer x 3/32" hose barb	GY-45508-03		GY-45501-03		GY-45502-03		—	
	Female luer x 1/8" hose barb	GY-30800-02		GY-45501-05		GY-45502-05		—	
Female luer x hose barb adapters (low-profile barb)									
D	Female luer x 1/16" hose barb	GY-45508-12		GY-45501-12		GY-45502-12		—	
	Female luer x 3/32" hose barb	GY-45508-14		—		GY-45502-14		GY-45512-14	
	Female luer x 1/8" hose barb	GY-45508-16		GY-45501-16		GY-45502-16		GY-45512-16	
	Female luer x 0.17" hose barb	GY-45508-18		—		GY-45502-18		GY-45512-18	
Female luer x thread adapters									
E	Female luer x 10-32 special tapered thread	GY-45508-70		GY-45501-70		GY-45502-70		—	
	Female luer x 10-32 UNF thread	GY-45508-60		GY-45501-60		GY-45502-60		—	
	Female luer x 1/4-28 UNF thread	GY-45508-66		GY-45501-66		GY-45502-66		GY-45512-66	
	Female luer x 1/4-28 UNF bottom sealing thread	GY-45508-76		—		GY-45505-76		GY-45513-76	
	Female luer x 1/8-27 NPT thread	GY-30800-00		—		GY-45505-78		GY-45513-78	
F	Female luer x 1/8-27 NPT thread elbow	GY-45518-80		—		GY-45505-80		GY-45513-80	
Female luer bulkhead x hose barb adapters									
G	Female luer x 1/4-28 UNF thread to 1/16" hose barb	GY-45508-30		GY-45501-30		GY-45502-30		GY-45512-30	
	Female luer x 1/4-28 UNF thread to 3/32" hose barb	GY-45508-32		GY-45501-32		GY-45502-32		GY-45512-32	
	Female luer x 1/4-28 UNF thread to 1/8" hose barb	GY-45508-34		GY-45501-34		GY-45502-34		GY-45512-34	
Female adapters									
H	Female luer x female luer	GY-45508-22		GY-45501-22		GY-45502-22		GY-45512-22	
I	Female tee	GY-45508-56		GY-45501-56		GY-45502-56		—	
J	Female elbow	GY-45508-26		GY-45501-26		GY-45502-26		GY-45512-26	
K	Female luer x cap	GY-30800-12		GY-45501-28		GY-45502-28		GY-45512-28	
L	Female luer x cap with tether loop	GY-45508-64		GY-45501-64		GY-45502-64		GY-45512-64	
Male x female adapters									
M	Male luer x female luer coupler	GY-45508-82		GY-45501-82		GY-45502-82		GY-45512-82	
N	Male luer with lock ring x female luer coupler	GY-45508-80		GY-45501-80		GY-45502-80		—	
O	Male luer x female luer elbow	GY-45508-84		GY-45501-84		GY-45502-84		—	
P	Male x female x female tee	GY-45508-85		GY-45501-85		GY-45502-85		—	
Q	Male x male x female tee	GY-45508-75		GY-45501-75		GY-45502-75		—	

Luer Fittings





Specifications

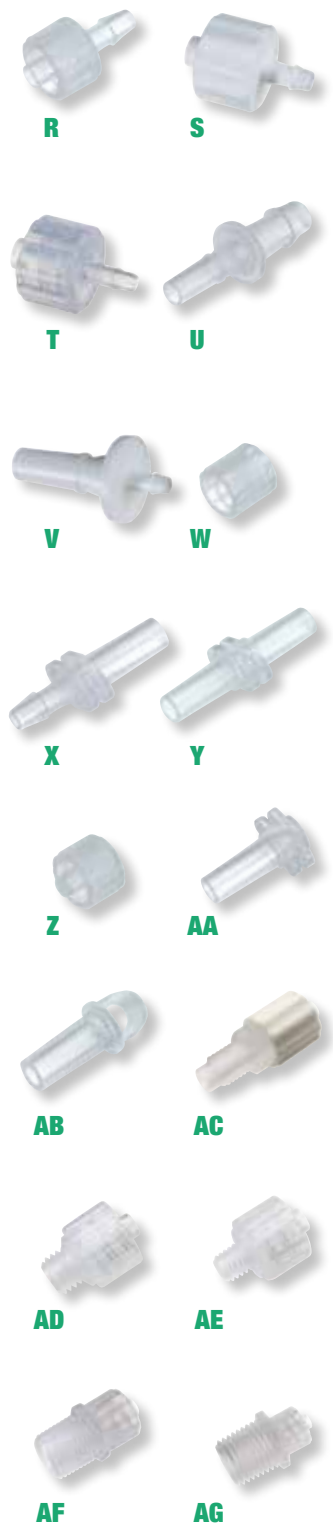
Polypropylene (PP). Manufactured of animal-free natural polypropylene. Meets USP Class VI specifications. Very good chemical resistance. Max temperature 190°F (87°C). Sterilize by ethylene oxide and gamma irradiation (not recommended for autoclaving).

Polycarbonate (PC). Good chemical resistance. Max temperature 273°F (133°C). Sterilize by ethylene oxide and gamma irradiation (not recommended for autoclaving).

Nylon. Good chemical resistance. Max temperature 455°F (235°C). Sterilize by autoclave, ethylene oxide, or gamma irradiation.

PVDF. Excellent chemical resistance. Animal-derived ingredient-free. Max temperature 244°F (117°C). Sterilize by autoclave, ethylene oxide, or gamma irradiation.

Key	Description	Polypropylene		Polycarbonate		Nylon		PVDF	
		Catalog number	Price/pk	Catalog number	Price/pk	Catalog number	Price/pk	Catalog number	Price/pk
Male luer lock x standard hose barb adapters									
R	Male luer lock x 1/16" hose barb	GY-45518-00		GY-45504-00		GY-45505-00		GY-45513-00	
	Male luer lock x 3/32" hose barb	GY-45518-02		GY-45504-02		GY-45505-02		GY-45513-02	
	Male luer lock x 1/8" hose barb	GY-30800-24		GY-45504-04		GY-45505-04		GY-45513-04	
	Male luer lock x 9/32" hose barb	GY-45518-06		GY-45504-06		GY-45505-06		GY-45513-06	
	Male luer lock x 3/16" hose barb	GY-45518-08		GY-45504-08		GY-45505-08		GY-45513-08	
	Male luer lock x 1/4" hose barb	GY-30800-22		GY-45504-19		GY-45505-19		—	
Male luer lock x hose barb adapters (wide bore)									
S	Male luer x 1/16" hose barb (wide bore)	GY-30800-16		—		GY-45505-31		—	
	Male luer x 3/32" hose barb (wide bore)	—		—		GY-45505-32		—	
	Male luer x 1/8" hose barb (wide bore)	GY-30800-18		—		GY-45505-33		—	
Male luer lock x hose barb adapters (low-profile barb)									
T	Male luer x 1/16" hose barb	GY-45518-07		GY-45504-07		GY-45505-07		—	
	Male luer x 3/32" hose barb	GY-30800-28		—		GY-45505-09		GY-45513-09	
	Male luer x 1/8" hose barb	GY-45518-11		GY-45504-11		GY-45505-11		GY-45513-11	
	Male luer x 0.17" hose barb	GY-45518-13		GY-45504-13		GY-45505-13		—	
Male luer x hose barb adapters (for use with separate rotating lock ring "W")									
U	Male luer x 1/16" hose barb	GY-45518-40		GY-45504-40		GY-45505-40		—	
	Male luer x 3/32" hose barb	GY-45518-42		GY-45504-42		GY-45505-42		—	
	Male luer x 1/8" hose barb	GY-45518-44		GY-45504-44		GY-45505-44		—	
	Male luer x 9/32" hose barb	GY-45518-46		GY-45504-46		GY-45505-46		—	
	Male luer x 3/16" hose barb	GY-45518-48		GY-45504-48		GY-45505-48		—	
	Male luer x 1/4" hose barb	GY-45518-50		GY-45504-50		GY-45505-50		—	
Male luer x hose barb adapters (wide-bore), (for use with separate rotating lock ring "W")									
V	Male luer x 1/16" hose barb	GY-45518-41		GY-45504-41		GY-45505-41		—	
	Male luer x 3/32" hose barb	GY-45518-43		—		—		—	
	Male luer x 1/8" hose barb	GY-45518-45		GY-45504-45		GY-45505-45		—	
W	Snap luer lock ring	GY-45518-74		GY-45504-74		GY-45505-74		—	
Male slip luer x hose barb adapters (no lock ring)									
X	Male luer x 1/16" hose barb	GY-45518-22		GY-45504-22		GY-45505-22		GY-45513-22	
	Male luer x 3/32" hose barb	GY-45518-24		GY-45504-24		GY-45505-24		GY-45513-24	
	Male luer x 1/8" hose barb	GY-45518-26		GY-45504-26		GY-45505-26		GY-45513-26	
	Male luer x 9/32" hose barb	GY-45518-28		GY-45504-28		GY-45505-28		GY-45513-28	
	Male luer x 3/16" hose barb	GY-45518-52		GY-45504-52		GY-45505-52		—	
	Male luer x 1/4" hose barb	GY-45518-54		GY-45504-54		GY-45505-54		—	
Male adapters									
Y	Male luer x male luer	GY-30800-14		GY-45504-72		GY-45505-72		GY-45513-72	
Z	Male luer lock plug	GY-30800-30		GY-45504-56		GY-45505-56		GY-45513-56	
AA	Male luer plug	GY-45518-58		GY-45504-58		GY-45505-58		—	
AB	Male luer plug with tether loop	GY-45518-70		GY-45504-70		GY-45505-70		—	
AC	Male luer with lock ring and 3/16" hex to 1/4-28 UNF	GY-45518-81		—		—		GY-45513-81	
Male luer with integral lock ring x thread adapters									
AD	Male luer x 1/4-28 UNF thread	GY-45518-82		GY-45504-82		GY-45505-82		GY-45513-82	
AE	Male luer x 10-32 special tapered thread	GY-45518-84		GY-45504-84		GY-45505-84		—	
AF	Male luer x 1/16" hex x 1/8-27 NPT thread	GY-45518-86		—		GY-45505-86		GY-45513-86	
AG	Male luer x 3/16" hex x 1/4-18 NPT thread	GY-45518-88		—		GY-45505-88		—	



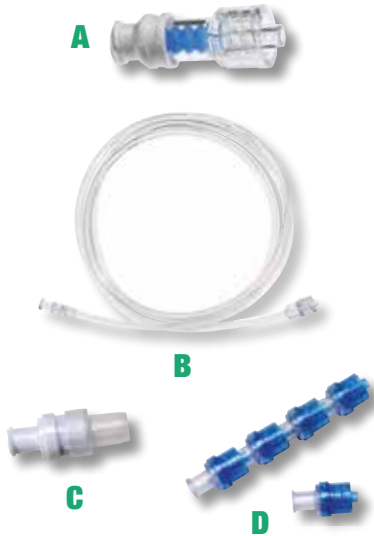
Accessories

- [GY-45509-00](#) Panel-mount lock ring, black nylon. Pack of 25
- [GY-45509-02](#) Panel-mount ring, black nylon. Pack of 25
- [GY-45509-04](#) Panel-mount lock nut; 1/4-28 UNF, black nylon. Pack of 25

Plastic Luer Assemblies

Get a seamless transition from source to system

Use to connect to bio-bags or a sampling tube. Fitting is molded onto the tubing for a seamless transition. Each assembly comes packaged individually; can be sterilized.

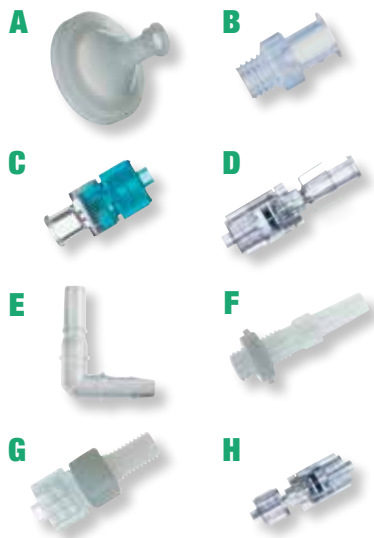


Key	Features	Terminations	Material	Catalog number	Price
Luer adapters					
A	Valved needle-free syringe connection, with the female inlet connection activated by the male side of the syringe.	Female luer x male luer lock	Polycarbonate body with a silicone valve	GY-30526-10	
High-pressure tubing assemblies					
B	Pressure rating up to 900 psi. 10" length.	Male luer lock x female luer	Polycarbonate luer fittings and PVC tubing	GY-30526-14	
	Pressure rating up to 900 psi. 20" length.	Male luer lock x female luer	Polycarbonate luer fittings and PVC tubing	GY-30526-16	
	Pressure rating up to 900 psi. 48" length.	Male luer lock x female luer	Polycarbonate luer fittings and PVC tubing	GY-30526-18	
Luer check valves					
C	One way valve. Cracking pressure <0.174	Female luer x male luer lock	SAN/LDPE with silicone diaphragm	GY-30505-91	
	One way valve. Cracking pressure <0.174	Female luer lock x male luer lock	Clean SAN with silicone diaphragm	GY-30505-92	
D	Anti-siphon valve. Cracking pressure 1.450 to 4.351 psig. Max back pressure 304.579 psig	Female luer lock x male luer lock	Clear and blue SAN w/ silicone diaphragm	GY-30505-93	
	Anti-siphon valve. Cracking pressure 1.450 to 4.351 psig. Max back pressure 87.023 psig.	Female luer lock x male luer lock	Clear and blue SAN w/ silicone diaphragm	GY-30505-94	

Speciality Plastic Luer Fittings

Attach with just a twist!

Standard connection type for syringes, plus ideal for many applications with small tubing.



Key	Description	Material	Catalog number	Qty/pk	Price/pk
A	Female luer lock x 1/2" mini sanitary adapter	PP	GY-31200-50	1	
	Female luer lock x 1/2" mini sanitary adapter	PVDF	GY-31201-50	1	
B	Female luer x 1/4-28 UNF thread	ETFE	GY-06471-91	1	
C	Female luer x male luer lock, check valve	PC	GY-30600-32	10	
D	Female luer x male lock, rotating	PC	GY-06464-95	1	
E	Male luer elbow x 1/8" ID tubing barb	PC	GY-30505-71	10	
F	Male luer x 1/4-28 UNF thread	ETFE	GY-06471-90	1	
	Male luer x 1/4-28 UNF thread	PC	GY-30505-55	10	
	Male luer x 10-32 UNF thread	PC	GY-30505-65	10	
G	Male luer lock [†] x 1/4-28 UNF thread	ETFE	GY-06471-85	1	
H	Male luer lock x male luer lock, rotating	PC	GY-06464-90	1	

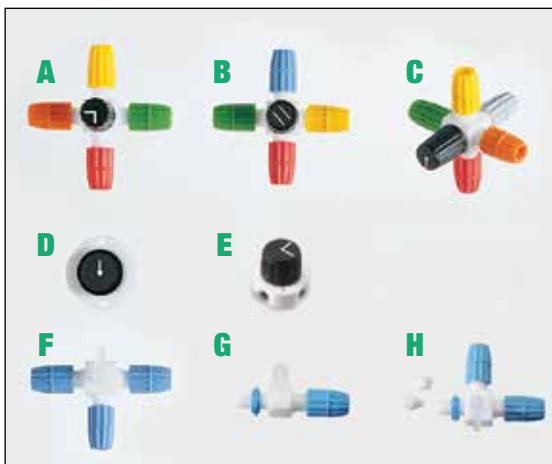
[†]Has PP locking nut.

Warning—These products are not approved or intended for, and should not be used for, medical, clinical, surgical or other patient oriented applications.

PTFE Valves

Control flow effectively

Standard micro tubing valves are rated to 50 psi and come with polypropylene caps, FKM O-rings, and PTFE cones; use with 1- to 4-mm OD tubing. High-pressure valves are rated to 500 psi (34.5 bar); use with gripper fittings.



Key	Type	Ports connected	Tube OD	Catalog number	Price/ea
Standard micro tubing valves					
A	4 ports	One adjacent pair at 90°	1 to 4 mm	GY-06471-70	
B	4 ports	Two adjacent pairs at 90°		GY-06471-71	
C	5 ports	One port to inlet		GY-06471-72	
High-pressure micro tubing valves					
D	5 ports	One port to inlet	1/8" or 1/16" OD	GY-06471-75	
E	4 ports	One adjacent pair at 90°		GY-06471-76	
Miscellaneous valves					
F	3-way, single stem	—	1 to 4 mm	GY-06473-15	
G	Screw-in valve			GY-06473-22	
H	Column bleed valve			GY-06473-23	

Plastic Luer Stopcocks and Manifolds

Regulate flow without any leaking



Polycarbonate Stopcocks

HDPE handles rotate 360° on one-way stopcocks, 180° on three-way stopcocks, and 360° on four-way stopcocks.

Type	Description	Pack of 10		Pack of 100	
		Catalog number	Price	Catalog number	Price
Standard stopcocks					
1-way	Male lock	GY-30600-00		GY-30600-05	
1-way	Male luer	GY-30600-01		GY-30600-06	
3-way	Male lock	GY-30600-02†		GY-30600-07	
4-way	Male luer	GY-30600-03		GY-30600-08	
4-way	Male lock	GY-30600-04		GY-30600-09	
Large-bore stopcocks					
3-way	Male lock	GY-30600-23		GY-30600-25	
4-way	Male lock	GY-30600-12		GY-30600-17	

†Locking ring does not rotate.

PVDF Stopcocks

PVDF body with polypropylene insert.

Type	Description	Catalog number	Price
2-way	Female luer lock	GY-31200-70	
3-way	Female luer lock	GY-31200-80	



31200-70

High-Pressure Polycarbonate Stopcocks

Pressure rating up to 1050 psi.

Type	Description	Catalog number	Price/pk of 10
2-way	Male luer lock x female luer	GY-30526-32	
3-way	Female luer (2) x male luer lock	GY-30526-34	

Polycarbonate Manifolds

Manifolds have polyurethane stems, HDPE handles, and female ports.



Ports	Rotation	Individual manifolds		Pack of 10	
		Catalog number	Price	Catalog number	Price
2	180°	GY-06464-81		GY-30600-44	
3	360°	GY-06464-83		GY-30600-41	
4	180°	GY-06464-85		GY-30600-42	
5	360°	GY-06464-87		GY-30600-43	

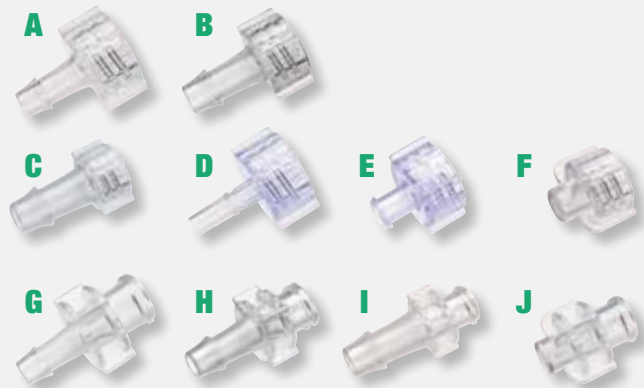
Cole-Parmer® Large-Bore Slip-Fit Adapters

Enhance fluid flow with larger bore



Large-bore adapters are perfect for handling higher flow volumes in process systems while using connections similar to luer systems. Manufactured in an ISO Class 8 (formerly Class 100,000) environment. Inspected to be free of contaminants and are fully lot traceable.

Note: These are not compatible with standard luer fittings.



Specifications

	Polycarbonate (PC)	Radiation-stable PC	Nylon
Body material	Polycarbonate (PC)	Radiation-stable PC	Nylon
Max temp	266°F (130°C)	252°F (122°C)	194°F (90°C)
Sterilization	Gamma, ETO	Gamma, ETO	Gamma, ETO, autoclave

Key	Description	Polycarbonate (PC)		Radiation-stable PC		Nylon	
		Catalog number	Price/pk of 25	Catalog number	Price/pk of 25	Catalog number	Price/pk of 25
A	Male large bore to 3/16" hose barb	GY-45509-50		—	—	GY-45509-70	
B	Male large bore to 1/4" hose barb	GY-45509-52		—	—	GY-45509-72	
C	Male large bore to 5/16" hose barb	GY-45509-54		—	—	GY-45509-74	
D	Male large bore with lock ring to male luer	—	—	GY-45509-90		—	—
E	Male large bore with lock ring to female luer	—	—	GY-45509-91		—	—
F	Male large bore connector plug	GY-45509-64		—	—	GY-45509-84	
G	Female large bore to 3/16" hose barb	GY-45509-56		—	—	GY-45509-76	
H	Female large bore to 1/4" hose barb	GY-45509-58		—	—	GY-45509-78	
I	Female large bore to 5/16" hose barb	GY-45509-60		—	—	GY-45509-80	
J	Female large bore connector cap	GY-45509-62		—	—	GY-45509-82	

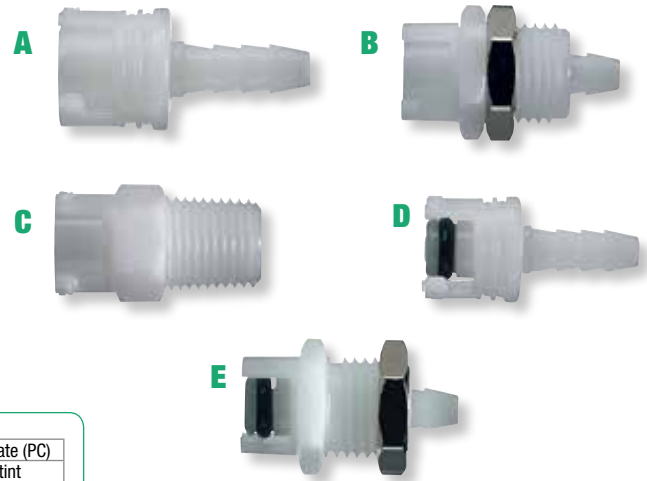
Miniature Quick-Disconnect Couplings

No more kinked tubing—
allows tubing to rotate freely

Able to handle 1/16" inner-diameter tubing, these fittings offer a more secure connection alternative to luer fittings. Fittings halves engage and seal with a twist.

For a complete coupling, order one fitting body and one insert. As an alternative, complete couplings are available below.

Note: All acetal fittings on this page are available in black as well as natural white. Please contact your local representative for more information.



Specifications

Body material	Acetal	Brass	Polypropylene (PP)	Polycarbonate (PC)
Color	Natural white	Chrome and black	Almond	Purple tint
Locking sleeve	Acetal	Acetal	Acetal	Polycarbonate
Valve	Acetal	Acetal	Acetal	Acetal
Valve spring	316 SS	316 SS	316 SS	316 SS
O-ring	Buna N	Buna N	EPDM	Buna N
Temperature range	-40 to 180°F (-40 to 82°C)	-40 to 180°F (-40 to 82°C)	32 to 180°F (0 to 82°C)	-40 to 160°F (-40 to 71°C)

Fitting Bodies (Female Fitting Halves)

A. Hose Barb Bodies

Tube ID	Length	Material	Catalog number	Price/pk of 10
Valved fittings				
1/16"	0.90"	Acetal	GY-06363-55	
3 mm	1.00"		GY-06363-61	
1/8"	0.90"		GY-06363-57	
Straight-through fittings				
1/16"	0.75"	Acetal	GY-06363-54	
3 mm	1.00"		GY-06363-59	
1/8"	0.90"		GY-06363-56	
1/16"	0.75"	PP	GY-06363-62	
1/8"	0.90"	PC	GY-06363-86	

B. Panel-Mount Hose Barb Bodies

Tube ID	Length	Material	Catalog number	Price/pk of 10
Valved fittings				
1/16"	0.90"	Acetal	GY-06363-67	
3 mm	1.00"		GY-06363-63	
1/8"	0.90"		GY-06363-69	
Straight-through fittings				
1/16"	0.75"	Acetal	GY-06363-66	
1/8"	1.00"		GY-06363-68	
1/8"	0.90"		GY-06363-78	
1/16"	0.75"	PP	GY-06363-76	
3 mm	0.75"	PC	GY-06363-97	

C. Threaded Adapter Bodies

NPT (M)	Length	Material	Catalog number	Price/pk of 10
Valved fittings				
1/8"	0.86"	Acetal	GY-06363-75	
Straight-through fittings				
1/8"	0.86"	Acetal	GY-06363-74	
1/8"	0.86"	PP	GY-06363-73	

Fitting Inserts (Male Fitting Halves)

D. Hose Barb Inserts

Tube ID	Length	Material	Catalog number	Price/pk of 10
Straight-through fittings				
1/16"	0.75"	Acetal	GY-06363-50	
3 mm	0.80"		GY-06363-65	
1/8"	0.90"		GY-06363-52	
1/8"	0.90"	Brass	GY-06363-77	
1/16"	0.75"	PP	GY-06363-58	
1/8"	0.90"		GY-06363-60	
1/16"	0.75"	PC	GY-06363-83	
1/8"	0.90"		GY-06363-84	

E. Panel-Mount Hose Barb Inserts

Tube ID	Length	Material	Catalog number	Price/pk of 10
Straight-through fittings				
1/16"	0.75"	Acetal	GY-06363-70	
3 mm	0.80"		GY-06363-71	
1/8"	0.90"		GY-06363-72	
1/8"	0.90"	Brass	GY-06363-81	
1/16"	0.90"	PP	GY-06363-82	
1/16"	0.75"		GY-06363-80	

Hose Barb Complete Couplings (not shown)

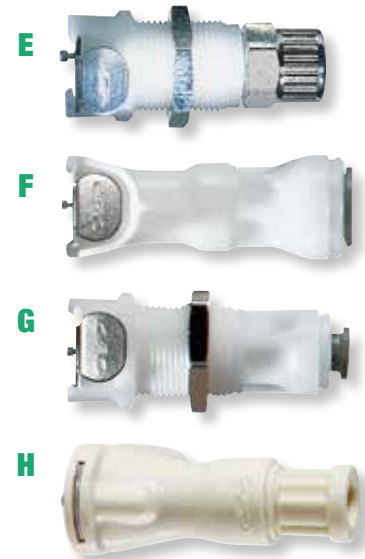
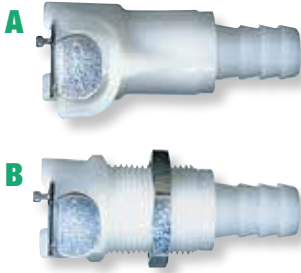
Tube ID	Length	Material	Catalog number	Price/pk of 10
Valved fittings				
1/16"	1.46"	Acetal	GY-06363-87	
3 mm	1.62"		GY-06363-96	
1/8"	1.61"		GY-06363-92	
Straight-through fittings				
1/16"	1.32"	Acetal	GY-06363-88	
3 mm	1.62"		GY-06363-95	
1/8"	1.61"		GY-06363-91	
1/16"	1.32"	PP	GY-06363-89	
1/8"	1.61"		GY-06363-93	
1/16"	1.32"	PC	GY-06363-90	
1/8"	1.61"		GY-06363-94	

Quick-Disconnect Couplings

No more struggling—just press thumb latch

– Choose from four styles—hose barb, compression, push-to-connect, and NPT pipe adapter—for either standard in-line or panel-mount configurations

For each complete quick-disconnect fitting, order one body (below) and one insert (page 289) with the same flow size. Plug insert into body to connect fitting—fitting halves lock in place immediately. To disconnect fitting halves, simply press the thumb latch on the coupling body; a spring-operated valve in each fitting half seals the flow path. (“Straight-through” fittings without shutoff valves are also available.) All fitting bodies have 316 stainless steel springs and latches.



Quick-Disconnect Bodies (Female Coupling Halves)

A. Hose Barb Bodies

Tubing ID	Flow size	Length	Resin	Catalog number	Price/pk of 1
Valved fittings					
1/16"	1/8"	1.41"	Acetal	GY-06360-19	
1/8"	1/8"	1.65"	Acetal	GY-06360-20	
3/16"	1/8"	1.85"	Acetal	GY-06360-22	
1/4"	1/8"	1.85"	Acetal	GY-06360-25	
1/4"	1/4"	1.95"	Acetal	GY-06360-65	
5/16"	1/4"	1.95"	Acetal	GY-06360-67	
3/8"	1/4"	1.95"	Acetal	GY-06360-70	
1/16"	1/8"	1.41"	PP	GY-06364-19	
1/8"	1/8"	1.67"	PP	GY-06364-20	
1/4"	1/8"	1.87"	PP	GY-06364-25	
1/4"	1/4"	1.97"	PP	GY-06364-65	
3/8"	1/4"	1.97"	PP	GY-06364-70	
Straight-through fittings					
1/16"	1/8"	1.41"	Acetal	GY-06361-09	
1/8"	1/8"	1.65"	Acetal	GY-06361-11	
3/16"	1/8"	1.85"	Acetal	GY-06361-12	
1/4"	1/8"	1.85"	Acetal	GY-06361-13	
1/4"	1/4"	1.95"	Acetal	GY-06361-51	
5/16"	1/4"	1.95"	Acetal	GY-06361-52	
3/8"	1/4"	1.95"	Acetal	GY-06361-53	

B. Panel-Mount Hose Barb Bodies

Tubing ID	Flow size	Length	Resin	Catalog number	Price/pk of 1
Valved fittings					
1/16"	1/8"	1/2-24	Acetal	GY-06360-09	
1/8"	1/8"	1/2-24	Acetal	GY-06360-10	
3/16"	1/8"	1/2-24	Acetal	GY-06360-12	
1/4"	1/8"	1/2-24	Acetal	GY-06360-15	
1/4"	1/4"	1 1/16-24	Acetal	GY-06360-55	
5/16"	1/4"	1 1/16-24	Acetal	GY-06360-57	
3/8"	1/4"	1 1/16-24	Acetal	GY-06360-60	
1/16"	1/8"	1/2-24	PP	GY-06364-09	
1/8"	1/8"	1/2-24	PP	GY-06364-10	
1/4"	1/8"	1/2-24	PP	GY-06364-15	
1/4"	1/4"	1 1/16-24	PP	GY-06364-55	
3/8"	1/4"	1 1/16-24	PP	GY-06364-60	
Straight-through fittings					
1/16"	1/8"	1/2-24	Acetal	GY-06361-03	
1/8"	1/8"	1/2-24	Acetal	GY-06361-04	
3/16"	1/8"	1/2-24	Acetal	GY-06361-05	
1/4"	1/8"	1/2-24	Acetal	GY-06361-06	
1/4"	1/4"	1 1/16-24	Acetal	GY-06361-46	
5/16"	1/4"	1 1/16-24	Acetal	GY-06361-47	
3/8"	1/4"	1 1/16-24	Acetal	GY-06361-48	

C. NPT(M) Pipe Adapter Bodies

NPT(M)	Flow size	Resin	Catalog number	Price/pk of 1
Valved fittings				
1/8"	1/8"	Acetal	GY-06359-70	
1/4"	1/8"	Acetal	GY-06359-71	
1/4"	1/4"	Acetal	GY-06359-72	
3/8"	1/4"	Acetal	GY-06359-73	
1/8"	1/8"	PP	GY-06359-80	
1/4"	1/8"	PP	GY-06359-81	
1/4"	1/4"	PP	GY-06359-82	
3/8"	1/4"	PP	GY-06359-83	
Straight-through fittings				
1/8"	1/8"	Acetal	GY-06361-00	
1/4"	1/8"	Acetal	GY-06361-01	
1/4"	1/4"	Acetal	GY-06361-42	
3/8"	1/4"	Acetal	GY-06361-43	

D. Compression Bodies

Tubing OD	Flow size	Length	Resin	Catalog number	Price/pk of 1
Valved fittings					
1/4"	1/8"	1.73"	Acetal	GY-06360-98	
1/4"	1/4"	1.82"	Acetal	GY-06359-90	
3/8"	1/4"	1.95"	Acetal	GY-06359-91	
1/4"	1/8"	1.74"	PP	GY-06364-90	
3/8"	1/4"	1.97"	PP	GY-06364-91	
Straight-through fittings					
1/4"	1/8"	1.73"	Acetal	GY-06361-08	
3/8"	1/4"	1.95"	Acetal	GY-06361-49	

E. Panel-Mount Compression Bodies

Tubing OD	Flow size	Length	Resin	Catalog number	Price/pk of 1
Valved fittings					
1/4"	1/8"	1/2-24	Acetal	GY-06360-05	
1/4"	1/4"	1 1/16-24	Acetal	GY-06360-49	
3/8"	1/4"	1 1/16-24	Acetal	GY-06360-50	
1/4"	1/8"	1/2-24	PP	GY-06364-05	
3/8"	1/4"	1 1/16-24	PP	GY-06364-50	
Straight-through fittings					
1/4"	1/8"	1/2-24	Acetal	GY-06361-02	
1/4"	1/4"	1 1/16-24	Acetal	GY-06361-44	
3/8"	1/4"	1 1/16-24	Acetal	GY-06361-45	

Specifications

	Acetal	Polysulfone (PSF)
Body material	Acetal	Polysulfone (PSF)
Seal material	Buna N	EPR
Max temp	180°F (-82°C)	160°F (71°C)
Max pressure	120 psi	100 psi
Max vacuum	28" Hg	28" Hg
Sterilization	Autoclave or ETO	Gamma or ETO

F. Push-to-Connect Bodies

Tubing OD	Flow size	Length	Resin	Catalog number	Price/pk of 1
Valved fittings					
1/4"	1/4"	1.95"	Acetal	GY-31304-00	
3/8"	1/4"	2.08"	Acetal	GY-31304-02	
Straight-through fittings					
1/4"	1/4"	1.95"	Acetal	GY-31304-10	
3/8"	1/4"	2.08"	Acetal	GY-31304-12	

G. Panel-Mount Push-to-Connect Bodies

Tubing OD	Flow size	Length	Resin	Catalog number	Price/pk of 1
Valved fitting					
1/4"	1/4"	1.95"	Acetal	GY-31304-50	
Straight-through fitting					
1/4"	1/4"	1.95"	Acetal	GY-31304-40	

H. 1/4-28 Flat-Bottom Port Valved Bodies

UNF (F)	Flow size	Length	Resin	Catalog number	Price/pk of 1
In-line body					
1/4-28	1/8"	1.57"	PP	GY-06368-69	
Panel-mount body					
1/4-28	1/8"	1.57"	PP	GY-06368-70	

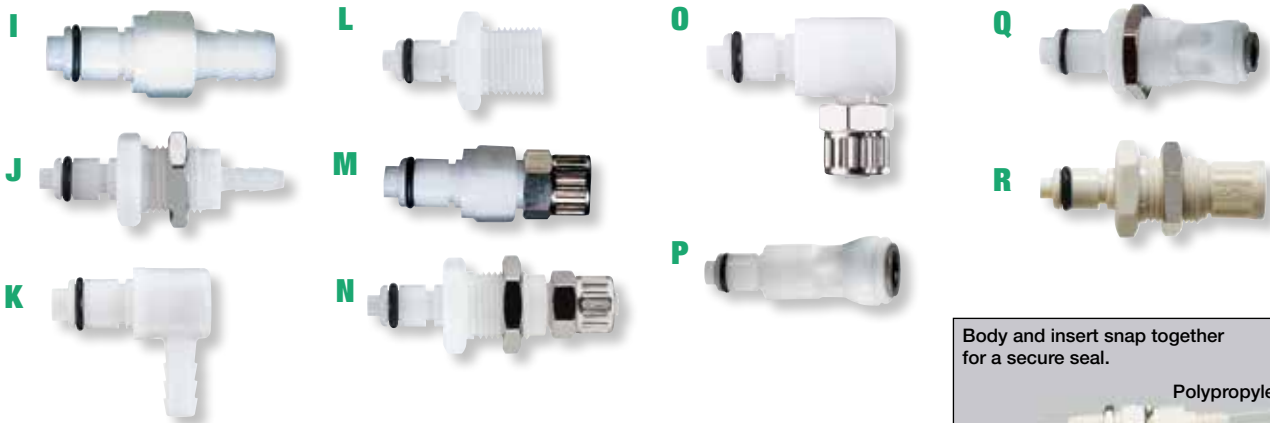
See next page for more...

Wait! Don't Forget...

Flexible and Rigid Tubing,
see pages 988-1017.



Quick-Disconnect Couplings (continued)



Quick-Disconnect Inserts (Male Coupling Halves)

I. Hose Barb Inserts

Tubing ID	Flow size	Length	Resin	Catalog number	Price/pk of 1
Valved fittings					
1/16"	1/8"	1.35"	Acetal	GY-06360-36	
1/8"	1/8"	1.55"	Acetal	GY-06360-40	
3/16"	1/8"	1.75"	Acetal	GY-06360-43	
1/4"	1/8"	1.58"	Acetal	GY-06360-45	
1/4"	1/4"	1.86"	Acetal	GY-06360-80	
5/16"	1/4"	1.86"	Acetal	GY-06360-83	
3/8"	1/4"	1.86"	Acetal	GY-06360-85	
1/2"	1/8"	1.35"	PP	GY-06364-38	
1/8"	1/8"	1.55"	PP	GY-06364-40	
1/4"	1/8"	1.58"	PP	GY-06364-45	
1/4"	1/4"	1.86"	PP	GY-06364-80	
3/8"	1/4"	1.67"	PP	GY-06364-85	
Straight-through fittings					
1/16"	1/8"	0.80"	Acetal	GY-06360-38	
1/8"	1/8"	1.05"	Acetal	GY-06360-42	
3/16"	1/8"	1.25"	Acetal	GY-06360-44	
1/4"	1/8"	1.25"	Acetal	GY-06360-47	
1/4"	1/4"	1.35"	Acetal	GY-06360-82	
5/16"	1/4"	1.35"	Acetal	GY-06360-84	
3/8"	1/4"	1.35"	Acetal	GY-06360-87	
1/2"	1/8"	0.80"	PP	GY-06364-39	
1/8"	1/8"	1.05"	PP	GY-06364-42	
1/4"	1/8"	1.25"	PP	GY-06364-47	
1/4"	1/4"	1.35"	PP	GY-06364-82	
3/8"	1/4"	1.35"	PP	GY-06364-87	

J. Panel-Mount Hose Barb Inserts

Tubing ID	Flow size	Length	Resin	Catalog number	Price/pk of 1
Valved fittings					
1/16"	1/8"	1.38"	Acetal	GY-06361-33	
1/8"	1/8"	1.63"	Acetal	GY-06361-34	
3/16"	1/8"	1.83"	Acetal	GY-06361-35	
1/4"	1/8"	1.83"	Acetal	GY-06361-36	
1/4"	1/4"	1.91"	Acetal	GY-06361-71	
3/16"	1/4"	1.91"	Acetal	GY-06361-72	
3/8"	1/4"	1.91"	Acetal	GY-06361-73	
1/4"	1/4"	1.91"	PP	GY-06361-92	
3/8"	1/4"	1.91"	PP	GY-06361-93	
Straight-through fittings					
1/16"	1/8"	1.38"	Acetal	GY-06361-21	
1/8"	1/8"	1.63"	Acetal	GY-06361-22	
3/16"	1/8"	1.83"	Acetal	GY-06361-23	
1/4"	1/8"	1.83"	Acetal	GY-06361-24	
1/4"	1/4"	1.91"	Acetal	GY-06361-58	
5/16"	1/4"	1.91"	Acetal	GY-06361-59	
3/8"	1/4"	1.91"	Acetal	GY-06361-61	
1/4"	1/4"	1.91"	PP	GY-06361-82	
3/8"	1/4"	1.91"	PP	GY-06361-83	

K. Hose Barb Elbow Inserts

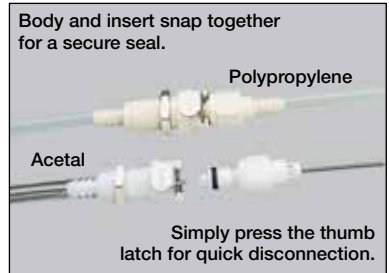
Tubing ID	Flow size	Length	Resin	Catalog number	Price/pk of 1
Valved fittings					
1/8"	1/8"	1.09"	Acetal	GY-06361-39	
1/4"	1/8"	1.09"	Acetal	GY-06361-41	
1/4"	1/4"	1.22"	Acetal	GY-06361-75	
3/8"	1/4"	1.22"	Acetal	GY-06361-76	
1/8"	1/8"	1.09"	PP	GY-06361-98	
1/4"	1/8"	1.09"	PP	GY-06361-99	
1/4"	1/4"	1.21"	PP	GY-06362-00	
3/8"	1/4"	1.21"	PP	GY-06362-01	
Straight-through fittings					
1/8"	1/8"	0.85"	Acetal	GY-06361-27	
1/4"	1/8"	1.00"	Acetal	GY-06361-28	
1/4"	1/4"	1.10"	Acetal	GY-06361-63	
3/8"	1/4"	1.20"	Acetal	GY-06361-64	
1/8"	1/8"	1.09"	PP	GY-06361-85	
1/4"	1/8"	1.09"	PP	GY-06361-86	
1/4"	1/4"	1.21"	PP	GY-06361-87	
3/8"	1/4"	1.21"	PP	GY-06361-88	

L. NPT(M) Pipe Adapter Inserts

NPT(M)	Flow size	Resin	Catalog number	Price/pk of 1
Valved fittings				
1/8"	1/8"	Acetal	GY-06361-29	
1/4"	1/8"	Acetal	GY-06361-31	
1/4"	1/4"	Acetal	GY-06361-65	
3/8"	1/4"	Acetal	GY-06361-66	
1/8"	1/8"	PP	GY-06361-89	
1/4"	1/4"	PP	GY-06361-91	
Straight-through fittings				
1/8"	1/8"	Acetal	GY-06361-17	
1/4"	1/8"	Acetal	GY-06361-18	
1/4"	1/4"	Acetal	GY-06361-54	
3/8"	1/4"	Acetal	GY-06361-55	
1/8"	1/8"	PP	GY-06361-79	
1/4"	1/4"	PP	GY-06361-81	

M. Compression Inserts

Tubing OD	Flow size	Length	Resin	Catalog number	Price/pk of 1
Valved fittings					
1/4"	1/8"	1.45"	Acetal	GY-06360-30	
3/8"	1/8"	1.40"	Acetal	GY-06360-35	
1/4"	1/4"	1.75"	Acetal	GY-06360-74	
3/8"	1/4"	1.68"	Acetal	GY-06360-75	
1/4"	1/8"	1.45"	PP	GY-06364-30	
3/8"	1/4"	1.68"	PP	GY-06364-75	
Straight-through fittings					
1/4"	1/8"	1.15"	Acetal	GY-06360-32	
3/8"	1/8"	1.30"	Acetal	GY-06360-37	
1/4"	1/4"	1.25"	Acetal	GY-06360-76	
3/8"	1/4"	1.38"	Acetal	GY-06360-77	
1/4"	1/8"	1.15"	PP	GY-06364-32	
3/8"	1/4"	1.38"	PP	GY-06364-77	



N. Panel-Mount Compression Inserts

Tubing OD	Flow size	Length	Resin	Catalog number	Price/pk of 1
Valved fittings					
1/4"	1/8"	1.70"	Acetal	GY-06361-32	
1/4"	1/4"	1.78"	Acetal	GY-06361-68	
3/8"	1/4"	1.91"	Acetal	GY-06361-69	
Straight-through fittings					
1/4"	1/8"	1.70"	Acetal	GY-06361-19	
1/4"	1/4"	1.78"	Acetal	GY-06361-56	
3/8"	1/4"	1.91"	Acetal	GY-06361-57	

O. Compression Elbow Inserts

Tubing OD	Flow size	Length	Resin	Catalog number	Price/pk of 1
Valved fittings					
1/4"	1/8"	1.20"	Acetal	GY-06361-38	
3/8"	1/4"	1.22"	Acetal	GY-06361-74	
1/4"	1/8"	1.09"	PP	GY-06361-96	
3/8"	1/4"	1.22"	PP	GY-06361-97	
Straight-through fittings					
1/4"	1/8"	1.17"	Acetal	GY-06361-26	
3/8"	1/4"	1.22"	Acetal	GY-06361-62	
3/8"	1/4"	1.29"	PP	GY-06361-84	

P. Standard Push-to-Connect Inserts

Tubing OD	Flow size	Length	Resin	Catalog number	Price/pk of 1
Valved fittings					
1/4"	1/4"	1.81"	Acetal	GY-31304-30	
3/8"	1/4"	1.96"	Acetal	GY-31304-32	
Straight-through fittings					
1/4"	1/4"	1.35"	Acetal	GY-31304-20	
3/8"	1/4"	1.48"	Acetal	GY-31304-22	

Q. Panel-Mount Push-to-Connect Inserts

Tubing OD	Flow size	Thread	Resin	Catalog number	Price/pk of 1
Valved fitting					
1/4"	1/4"	1 1/16-24	Acetal	GY-31304-70	
Straight-through fitting					
1/4"	1/4"	1 1/16-24	Acetal	GY-31304-60	

R. 1/4-28 Flat-Bottom Port Panel-Mount Valved Insert

UNF (F)	Flow size	Length	Resin	Catalog number	Price/pk of 1
1/4-28	1/8"	1.55"	PP	GY-06368-71	

Plastic Quick-Disconnect Fittings

Fittings connect in a snap

- Acetal fittings are ideal for use with corrosive fluids
- Polycarbonate and polysulfone materials meet USP Class VI requirements

Simply press the thumb latch to disconnect coupling halves. Polycarbonate and polysulfone materials meet USP Class VI requirements and pass all physicochemical, cytotoxicity, leachables, and extractables tests. Order complete couplings or separate bodies and inserts from the tables below.

Note: Standard bodies and inserts fit together; won't work with large bodies and inserts and vice versa.



Specifications

Body material	Acetal	Polycarbonate (PC)	Polysulfone (PSF)
Temperature range	-40 to 180°F (-40 to 82°C)	-40 to 250°F (-40 to 121°C)	-40 to 300°F (-40 to 148°C)
Max pressure	120 psi	125 psi†	120 psi
Max vacuum	28" Hg	25" Hg	25" Hg
Sterilization	Autoclave or ETO	Autoclave, ETO, or gamma irradiation	Autoclave, ETO, or gamma irradiation

†Max pressure for 1/2" polycarbonate fittings is 60 psi.



Complete Couplings

Key	Size	Material	Length	Catalog number	Qty/pk	Price/pk
A	1/4" tubing ID	Acetal	—	GY-06360-90	10	
		PC	—	GY-31305-00	10	
	3/8" tubing ID	Acetal	—	GY-06360-91	10	
		PC	—	GY-31305-05	10	
		PSF	—	GY-31306-05	10	

Standard Bodies and Caps

Key	Size	Material	Length	Catalog number	Qty/pk	Price/pk
Barbed bodies						
B	1/4" tubing ID	Acetal	1.31" (33.3 mm)	GY-06360-94	10	
		PC		GY-31311-11	5	
		PSF		GY-31311-21	5	
	3/8" tubing ID	Acetal	1.31" (33.3 mm)	GY-06360-95	10	
		PC		GY-31311-12	5	
	PSF	GY-31311-22	5			
Hose barb coupling bodies with lock						
C	1/4" tubing ID	PC	1.31" (33.3 mm)	GY-31311-16	5	
		PSF		GY-31311-26	5	
	3/8" tubing ID	PC	1.31" (33.3 mm)	GY-31311-17	5	
		PSF		GY-31311-27	5	
BSP straight-through bodies						
D	1/4" BSP	Acetal	1.31" (33.3 mm)	GY-06360-01	10	
	3/8" BSP			GY-06360-02	10	
NPT(M) bodies						
E	1/4" NPT	Acetal	1.31" (33.3 mm)	GY-06360-00	10	
	3/8" NPT			GY-06360-96	10	
Compression coupling bodies						
F	1/4" OD	Acetal	1.31" (33.3 mm)	GY-06360-06	10	
	3/8" OD			GY-06360-08	10	
Sealing caps						
G	1/4"	PC	1.31" (33.3 mm)	GY-31311-64	5	
	1/4"	PSF		GY-31311-74	5	
Sealing caps with lock						
H	1/4"	PC	1.31" (33.3 mm)	GY-31311-67	5	
	1/4"	PSF		GY-31311-77	5	

Standard Inserts and Plugs

Key	Size	Material	Length	Catalog number	Qty/pk	Price/pk
Barbed inserts						
I	1/4" tubing ID	Acetal	1.28" (32.5 mm)	GY-06360-92	10	
		PC		GY-31311-61	5	
		PSF		GY-31311-71	5	
	3/8" tubing ID	Acetal	1.28" (32.5 mm)	GY-06360-93	10	
		PC		GY-31311-62	5	
		PSF		GY-31311-72	5	
BSP straight-through elbow inserts						
J	1/4" BSP	Acetal	1.28" (32.5 mm)	GY-06360-27	10	
	3/8" BSP			GY-06360-97	10	
NPT(M) inserts						
K	1/4" NPT	Acetal	1.28" (32.5 mm)	GY-06360-16	10	
	3/8" NPT			GY-06360-18	10	
Compression coupling inserts						
L	1/4" OD	Acetal	1.28" (32.5 mm)	GY-06360-21	10	
	3/8" OD			GY-06360-24	10	
Sealing caps						
M	1/4" OD	Acetal	1.28" (32.5 mm)	GY-06360-31	10	
	3/8" OD			GY-06360-34	10	
Plugs with lock						
N	1/4"	PC	1.20" (30.5 mm)	GY-31311-68	5	
	1/4"	PSF		GY-31311-78	5	

Large Bodies and Inserts (use these bodies and inserts together)

Key	Size	Material	Length	Catalog number	Qty/pk	Price/pk
Barbed bodies						
O	1/2" tubing ID	PC	1.96" (49.8 mm)	GY-31311-13	5	
		PSF		GY-31311-23	5	
Hose barb coupling bodies with lock						
P	3/8" tubing ID	PC	1.96" (49.8 mm)	GY-31311-18	5	
		PSF		GY-31311-28	5	
Barbed inserts						
Q	1/2" tubing ID	PC	1.90" (48.3 mm)	GY-31311-63	5	
		PSF	1.40" (35.6 mm)	GY-31311-73	5	

High-Flow Quick-Disconnect Couplings

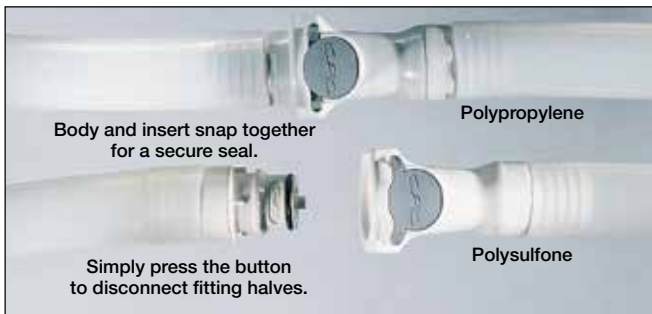
No more leaks—valved couplings automatically shut off flow

A complete quick-disconnect fitting consists of a body and an insert (order fitting halves separately). Plug insert into coupling body to connect—fitting halves lock into place immediately. To disconnect, simply press the button on the coupling body.

Valved models have a spring-operated 316 SS valve that seals the flow path when fitting halves are disengaged. All fitting bodies have 316 SS latch springs and EPDM seals.

Specifications

	Polypropylene	Polysulfone
Body material	Polypropylene	Polysulfone
Temperature range	32 to 160°F (0 to 71°C)	-40 to 280°F (-40 to 137°C)
Max pressure	60 psi	125 psi
Max vacuum	27.5" Hg	27.5" Hg
Sterilization	ETO or gamma	Autoclave, ETO, or gamma



Quick-Disconnect Bodies (Female Coupling Halves)

A. Threaded Adapter Bodies

Flow size	NPT(M)	Polypropylene		Polysulfone	
		Catalog number	Price/pk of 1	Catalog number	Price/pk of 1
Valved fittings					
3/8"	3/8"	GY-31303-00		GY-31307-00	
3/8"	1/2"	GY-31303-01		GY-31307-01	
3/8"	3/4"	GY-31303-02		GY-31307-02	
Straight-through fittings					
3/8"	3/8"	GY-31303-05		GY-31307-05	
3/8"	1/2"	GY-31303-06		GY-31307-06	
3/8"	3/4"	GY-31303-07		GY-31307-07	

B. Hose Barb Bodies

Flow size	Tube ID	Polypropylene		Polysulfone	
		Catalog number	Price/pk of 1	Catalog number	Price/pk of 1
Valved fittings					
3/8"	3/8"	GY-31303-10		GY-31307-10	
3/8"	1/2"	GY-31303-11		GY-31307-11	
3/8"	3/8"	GY-31303-12		GY-31307-12	
3/8"	3/4"	GY-31303-13		GY-31307-13	
Straight-through fittings					
3/8"	3/8"	GY-31303-15		GY-31307-15	
3/8"	1/2"	GY-31303-16		GY-31307-16	
3/8"	3/8"	GY-31303-17		GY-31307-17	
3/8"	3/4"	GY-31303-18		GY-31307-18	

C. Bulkhead Panel Mount Hose Barb Bodies

Flow size	Tube ID	Polypropylene		Polysulfone	
		Catalog number	Price/pk of 1	Catalog number	Price/pk of 1
Valved fittings					
3/8"	3/8"	GY-31303-20		GY-31307-20	
3/8"	1/2"	GY-31303-21		GY-31307-21	
3/8"	3/8"	GY-31303-22		GY-31307-22	
3/8"	3/4"	GY-31303-23		GY-31307-23	
Straight-through fittings					
3/8"	3/8"	GY-31303-25		GY-31307-25	
3/8"	1/2"	GY-31303-26		GY-31307-26	
3/8"	3/8"	GY-31303-27		GY-31307-27	
3/8"	3/4"	GY-31303-28		GY-31307-28	

Quick-Disconnect Inserts (Male Coupling Halves)

D. Male Threaded Inserts

Flow size	NPT(M)	Polypropylene		Polysulfone	
		Catalog number	Price/pk of 1	Catalog number	Price/pk of 1
Valved fittings					
3/8"	3/8"	GY-31303-35		GY-31307-35	
3/8"	1/2"	GY-31303-36		GY-31307-36	
3/8"	3/4"	GY-31303-37		GY-31307-37	
Straight-through fittings					
3/8"	3/8"	GY-31303-30		GY-31307-30	
3/8"	1/2"	GY-31303-31		GY-31307-31	
3/8"	3/4"	GY-31303-32		GY-31307-32	

E. Hose Barb Inserts

Flow size	Tube ID	Polypropylene		Polysulfone	
		Catalog number	Price/pk of 1	Catalog number	Price/pk of 1
Valved fittings					
3/8"	3/8"	GY-31303-45		GY-31307-45	
3/8"	1/2"	GY-31303-46		GY-31307-46	
3/8"	3/8"	GY-31303-47		GY-31307-47	
3/8"	3/4"	GY-31303-48		GY-31307-48	
Straight-through fittings					
3/8"	3/8"	GY-31303-40		GY-31307-40	
3/8"	1/2"	GY-31303-41		GY-31307-41	
3/8"	3/8"	GY-31303-42		GY-31307-42	
3/8"	3/4"	GY-31303-43		GY-31307-43	

F. Elbow Hose Barb Inserts

Flow size	Tube ID	Polypropylene		Polysulfone	
		Catalog number	Price/pk of 1	Catalog number	Price/pk of 1
Valved fittings					
3/8"	3/8"	GY-31303-55		GY-31307-55	
3/8"	1/2"	GY-31303-56		GY-31307-56	
Straight-through fittings					
3/8"	3/8"	GY-31303-50		GY-31307-50	
3/8"	1/2"	GY-31303-51		GY-31307-51	

Non-Spill Quick-Disconnect Couplings

Stop leaks in your line—
spillage as low as 0.025 mL

These non-spill series of couplings ensure minimal leaks and air inclusions in your process line—protects process purity and minimizes loss due to accidental disconnects. The NS2 series non-spill couplings feature a twist-to-connect design for worry-free fit. The NS4 and NS6 series non-spill couplings confirm secure engagement with an audible click. Choose one body and one insert, each from the same coupling series (NS2, NS4, or NS6) for a fitting that will work in multiple applications.



Quick-Disconnect Fittings

Specifications

Series	NS2	NS4	NS6
Body material	Glass-filled polypropylene		
O-ring material	EPDM		
Temp range	32 to 120°F (0 to 49°C)	32 to 160°F (0 to 71°C)	
Max pressure	45 psi (3.1 bar)	120 psi (8.3 bar)	
Max flow	3.75 GPM (14.2 LPM)	3.75 GPM (14.2 LPM)	13.0 GPM (49.2 LPM)
Spillage	<0.025 mL	<0.10 mL	<0.3 mL

Bodies (Female coupling halves)

Series	Size	Catalog number	Price
In-line barbed bodies			
NS2	1/8" ID	GY-31604-50	
NS2	1/4" ID	GY-31604-51	
NS4	1/8" ID	GY-31603-21	
NS4	1/4" ID	GY-31603-23	
NS4	3/8" ID	GY-31603-31	
NS6	3/8" ID	GY-31603-22	
NS6	1/2" ID	GY-31603-24	
Panel-mount barbed bodies			
NS2	1/8" ID	GY-31604-52	
NS2	1/4" ID	GY-31604-53	
In-line compression bodies			
NS2	1/4" OD	GY-31604-54	
NS4	3/8" OD	GY-31603-25	
NS6	1/2" OD	GY-31603-20	
Panel-mount compression bodies			
NS2	1/4" OD	GY-31604-55	
Threaded bodies			
NS2	1/8" NPT	GY-31604-56	
NS4	1/4" NPT	GY-31603-27	
NS6	1/2" NPT	GY-31603-26	

Inserts (Male coupling halves)

Series	Size	Catalog number	Price
In-line barbed inserts			
NS2	1/8" ID	GY-31604-57	
NS2	1/4" ID	GY-31604-58	
NS4	1/8" ID	GY-31603-38	
NS4	1/4" ID	GY-31603-40	
NS4	3/8" ID	GY-31603-35	
NS6	3/8" ID	GY-31603-32	
NS6	1/2" ID	GY-31603-34	
Panel-mount barbed inserts			
NS4	1/8" ID	GY-31603-42	
NS4	1/4" ID	GY-31603-44	
NS4	3/8" ID	GY-31603-46	
NS6	3/8" ID	GY-31604-51	
NS6	1/2" ID	GY-31603-48	
In-line compression inserts			
NS2	1/4" OD	GY-31604-59	
NS4	3/8" OD	GY-31603-49	
NS6	1/2" OD	GY-31603-30	
Panel-mount compression inserts			
NS4	3/8" OD	GY-31603-47	
NS6	1/2" OD	GY-31603-45	
Threaded inserts			
NS2	1/8" NPT	GY-31604-60	
NS4	1/4" NPT	GY-31603-29	
NS6	1/2" NPT	GY-31603-36	

Accessories

- [GY-31603-61](#) Panel-mount gasket, EPDM; for NS2 series
- [GY-31603-18](#) Panel-mount gasket, EPDM; for NS4 series
- [GY-31603-19](#) Panel-mount gasket, EPDM; for NS6 series

Polysulfone Quick-Disconnect Couplings

Eliminate the need for pinch clamps

– Body and seal materials are made of USP Class VI-compliant and BSE/TSE-free materials

Automatic shutoff valve closes off the flow path at disconnection, protecting valuable media while eliminating the need for pinch clamps. Thumb latch enables easy one-handed operation. An audible click when the body and insert are coupled confirms a secure, leak-free connection. For a complete fitting, order both a body and insert separately at right.

Specifications

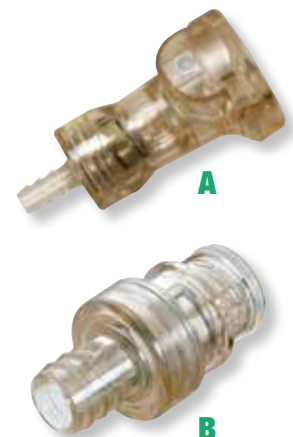
Body material	Polysulfone
O-ring material	Silicone, platinum-cured
Valve spring	316 stainless steel
Temperature range	–40 to 280°F (–40 to 138°C)
Pressure range	Vacuum to 125 psi (8.62 bar)
Sterilization	Autoclave or gamma irradiation

A. Hose Barb Bodies

Tubing ID	Catalog number	Price/pk of 10
1/4"	GY-31313-01	
3/8"	GY-31313-02	
1/2"	GY-31313-03	

B. Hose Barb Inserts

Tubing ID	Catalog number	Price/pk of 10
1/4"	GY-31313-21	
3/8"	GY-31313-22	
1/2"	GY-31313-23	



Steam-in-Place Connectors

Ensure a sterile connection

- One disposable connector for steam sterilization and microbial process
- Reduce downtime and cleaning expenses



31604-10

Innovative product design allows for a one-step process for sterilization and media transfer while eliminating dead spots, reducing the number of connections, and eliminating the need for a laminar flow hood. Terminations on these connectors are set to industry standards for bioreactors and are available in popular sizes of flexible tubing. All wetted surfaces meet requirements for USP Class VI physicochemical tests. All units are made of animal-free polysulfone resin

Original Steam-Thru Connectors feature a three-port design that allows steam to pass directly through the power ports to "steam on" to stainless equipment. Once the SIP cycle is completed, remove the tear-away sleeve to actuate the valve and create a sterile flow path. Once actuated, the connection cannot be reversed because valve actuation punctures the internal membrane to allow flow of media. When the process is complete, the connector may be safely disposed.

Steam-Thru II Connectors offer the additional benefit of both "steam on" and "steam off" functionality. The valve can return to the steam position to allow a second steam cycle after media transfer.



Specifications

Pressure rating

Steam position: 30 psi (2.1 bar)
Flow position: vacuum to 20 psi (1.4 bar)

Temperature rating

Steam position: 266°F (130°C) for up to 60 min
Flow position: 39 to 104°F (4 to 40°C)

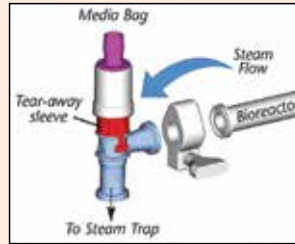
Materials

Body: polysulfone body
Sleeve: PE (31604-10 thru -16) or PC (31604-18 thru -24)
Membrane: silicone membrane

Teky's Tips

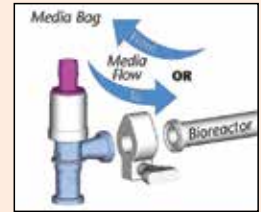
Types of Processes

Steam Process (1)



Steam flows from the bioreactor through the connector to sterilize the connection. With the tear-away sleeve in place, the transfer of fluid to or from the bioreactor is prevented.

Flow Process (2)



When the tear-away sleeve is removed and the connector is actuated, the connection to the steam trap is disabled and the media flow bath to or from the bioreactor is accessible.



Steam inlet	Connections		Sterilization methods†	Catalog number	Price
	Bioreactor	Hose barb			
Steam-Thru connectors (single cycle)					
3/4" Tri-Clamp®	3/4" Tri-Clamp	1/2"	SIP, G	GY-31604-10	
		3/8"		GY-31604-12	
3/4" Tri-Clamp	1 1/2" Tri-Clamp	1/2"	SIP, G	GY-31604-14	
		3/8"		GY-31604-16	
3/4" Tri-Clamp	3/4" Tri-Clamp	1/2"	SIP, G, A	GY-31604-18	
		3/8"		GY-31604-20	
3/4" Tri-Clamp	1 1/2" Tri-Clamp	1/2"	SIP, G, A	GY-31604-22	
		3/8"		GY-31604-24	
Steam-Thru II (two cycle)					
3/4" Tri-Clamp	3/4" Tri-Clamp	1/2"	SIP, G	GY-31604-36	
	1 1/2" Tri-Clamp	3/8"		GY-31604-38	

†SIP = steam-in-place process up to 266°F (130°C) for 60 minutes;
G = gamma radiation up to 50 kGy for one cycle;
A = autoclave at 265°F (128°C) for 30 minutes up to two cycles.

Quick-Disconnect Sanitary Couplings

Attach directly to your sanitary hardware assemblies!

- USP Class IV materials
- Fully sterilizable

These couplings allow you to integrate disposables with your existing stainless steel processing equipment. Both couplings and inserts are available with standard sanitary terminations to attach to your system with a sanitary gasket and tri-clover clamps. All models feature USP Class VI platinum-cured silicone gaskets.



Bodies (Female Coupling Halves)

Size	Compatible	Material	Catalog number	Price
3/4" sanitary	Large	PSF	GY-31604-26	
1" sanitary	Standard		GY-31604-28	

Inserts (Male Coupling Halves)

Size	Compatible	Material	Catalog number	Price
1/4" tubing ID	Standard	PSF	GY-31311-71	
3/8" tubing ID			GY-31311-72	
1/2" tubing ID	Large	316 SS	GY-31311-73	
3/4" sanitary	Standard		GY-31604-30	
1" sanitary	Large		GY-31604-32	
1 1/2" sanitary			GY-31604-34	

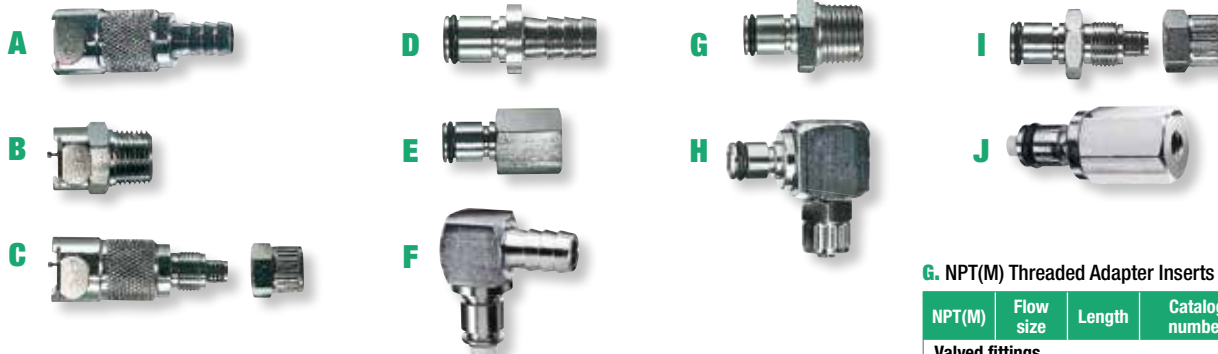
Specifications

Body material	Polysulfone (PSF)	316 stainless steel
O-ring material	USP Class VI platinum-cured silicone	
Temperature range	-40 to 300°F (-40 to 149°C)	
Max pressure	60 psi (4.1 bar)	
Sterilization	Autoclave, gamma irradiation, ETO, or ebeam	Autoclave or gamma irradiation

Metal Quick-Disconnect Couplings

Convenience of a quick-disconnect in pressure and vacuum applications

These quick-disconnect fittings consist of two fitting halves—order coupling bodies (female halves) and inserts (male halves) with the same flow size. In addition to vacuum and pressure applications, these fittings can be used for liquids. Withstands pressures from vacuum to 250 psi (17.2 bar), temperatures from -40 to 180°F (-40 to 82°C) Made of chrome-plated brass with stainless steel springs and latch. Valved fittings have acetal shutoff valves that seal the flow path when fitting halves are disconnected.



Quick-Disconnect Bodies

(Female Fitting Halves)

A. Hose Barb Bodies

Tubing ID	Flow size	Length	Catalog number	Price/pk of 1
Valved fittings				
1/8"	1/8"	1.65"	GY-31404-30	
3/16"	1/8"	1.65"	GY-31404-31	
1/4"	1/8"	1.85"	GY-31404-32	
1/4"	1/4"	2.00"	GY-31403-20	
5/16"	1/4"	2.00"	GY-31403-21	
3/8"	1/4"	2.00"	GY-31403-22	
Straight-through fittings				
1/8"	1/8"	1.65"	GY-31404-10	
3/16"	1/8"	1.65"	GY-31404-11	
1/4"	1/8"	1.85"	GY-31404-12	
1/4"	1/4"	2.00"	GY-31403-25	
5/16"	1/4"	2.00"	GY-31403-26	
3/8"	1/4"	2.00"	GY-31403-27	

B. NPT(M) Threaded Adapter Bodies

NPT(M)	Flow size	Length	Catalog number	Price/pk of 1
Valved fittings				
1/8"	1/8"	1.10"	GY-31404-20	
1/4"	1/8"	1.10"	GY-31404-21	
1/4"	1/4"	1.15"	GY-31403-00	
3/8"	1/4"	1.15"	GY-31403-01	
Straight-through fittings				
1/8"	1/8"	1.10"	GY-31404-00	
1/4"	1/8"	1.10"	GY-31404-01	
1/4"	1/4"	1.15"	GY-31403-05	
3/8"	1/4"	1.15"	GY-31403-06	

C. Compression Fitting Bodies

Tubing OD	Flow size	Length	Catalog number	Price/pk of 1
Valved fittings				
1/4"	1/8"	1.77"	GY-31404-29	
1/4"	1/4"	1.87"	GY-31403-10	
3/8"	1/4"	2.00"	GY-31403-11	
Straight-through fittings				
1/4"	1/8"	1.77"	GY-31404-09	
1/4"	1/4"	1.87"	GY-31403-15	
3/8"	1/4"	2.00"	GY-31403-16	

Quick-Disconnect Inserts

(Male Fitting Halves)

D. Hose Barb Inserts

Tubing ID	Flow size	Length	Catalog number	Price/pk of 1
Valved fittings				
1/8"	1/8"	1.55"	GY-31404-71	
3/16"	1/8"	1.75"	GY-31404-72	
1/4"	1/8"	1.58"	GY-31404-73	
1/4"	1/4"	1.85"	GY-31403-40	
5/16"	1/4"	1.85"	GY-31403-41	
3/8"	1/4"	1.68"	GY-31403-42	
Straight-through fittings				
1/8"	1/8"	1.55"	GY-31404-51	
3/16"	1/8"	1.75"	GY-31404-52	
1/4"	1/8"	1.58"	GY-31404-53	
1/4"	1/4"	1.85"	GY-31403-45	
5/16"	1/4"	1.85"	GY-31403-46	
3/8"	1/4"	1.68"	GY-31403-47	

E. NPT(F) Threaded Adapter Inserts

NPT(F)	Flow size	Length	Catalog number	Price/pk of 1
Valved fittings				
1/8"	1/8"	1.57"	GY-31404-62	
1/4"	1/8"	1.72"	GY-31403-63	
1/4"	1/4"	1.75"	GY-31403-52	
Straight-through fittings				
1/8"	1/8"	0.95"	GY-31404-42	
1/4"	1/8"	1.15"	GY-31404-43	
1/4"	1/4"	1.25"	GY-31403-57	

F. Hose Barb Elbow Inserts

Tubing ID	Flow size	Length	Catalog number	Price/pk of 1
Valved fittings				
1/8"	1/8"	1.18"	GY-31404-77	
1/4"	1/8"	1.18"	GY-31404-78	
1/4"	1/4"	1.28"	GY-31403-92	
3/8"	1/4"	1.28"	GY-31403-93	
Straight-through fittings				
1/8"	1/8"	1.18"	GY-31404-57	
1/4"	1/8"	1.18"	GY-31404-58	
1/4"	1/4"	1.28"	GY-31403-97	
3/8"	1/4"	1.28"	GY-31403-98	

G. NPT(M) Threaded Adapter Inserts

NPT(M)	Flow size	Length	Catalog number	Price/pk of 1
Valved fittings				
1/8"	1/8"	1.33"	GY-31404-60	
1/4"	1/8"	1.30"	GY-31404-61	
1/4"	1/4"	1.53"	GY-31403-50	
3/8"	1/4"	1.40"	GY-31403-51	
Straight-through fittings				
1/8"	1/8"	1.03"	GY-31404-40	
1/4"	1/8"	1.13"	GY-31404-41	
1/4"	1/4"	1.25"	GY-31403-55	
3/8"	1/4"	1.25"	GY-31403-56	

H. Compression Elbow Inserts

Tubing OD	Flow size	Length	Catalog number	Price/pk of 1
Valved fittings				
5/32"	1/8"	1.18"	GY-31404-75	
1/4"	1/8"	1.18"	GY-31404-76	
1/4"	1/4"	1.28"	GY-31403-90	
3/8"	1/4"	1.28"	GY-31403-91	
Straight-through fittings				
5/32"	1/8"	1.18"	GY-31404-55	
1/4"	1/8"	1.18"	GY-31404-56	
1/4"	1/4"	1.28"	GY-31403-95	
3/8"	1/4"	1.28"	GY-31403-96	

I. Compression Inserts

Tubing OD	Flow size	Length	Catalog number	Price/pk of 1
Valved fittings				
5/32"	1/8"	1.53"	GY-31404-68	
1/4"	1/8"	1.45"	GY-31404-69	
3/8"	1/8"	1.40"	GY-31404-70	
1/4"	1/4"	1.72"	GY-31403-30	
3/8"	1/4"	1.68"	GY-31403-31	
Straight-through fittings				
5/32"	1/8"	1.13"	GY-31404-48	
1/4"	1/8"	1.15"	GY-31404-49	
3/8"	1/8"	1.30"	GY-31404-50	
1/4"	1/4"	1.25"	GY-31403-35	
3/8"	1/4"	1.38"	GY-31403-36	

J. UNF(F) Threaded Adapter Inserts

UNF(F)	Flow size	Length	Catalog number	Price/pk of 1
Valved fitting				
10-32	1/8"	1 3/8"	GY-31404-74	
Straight-through fitting				
10-32	1/8"	1 3/8"	GY-31404-79	

Drum Dispensing Systems

Ensure the safety of your environment and your employees

- Easy-to-use, economical solution for chemical dispensing
- Durable materials withstand harsh operating conditions
- Ideal for 5-gallon jerry cans, 55-gallon drums, and IBCs

These DrumQuik systems maintain a closed system, protecting your facility, your operating environment, and your employees from the potential dangers of chemical drips, spills, and escaping fumes.

The simple connections, rugged construction, and chemical-resistant materials handle a wide variety of applications—including acids and caustics, agricultural liquids, cleaning agents and sterilants, paints and coatings, and food oils and syrups. Order a convenient dispensing kit which includes all required components, or customize your own system with individual components.



REQUIRED System Components

- 1) Coupler
 - 2) Drum insert
 - 3) Dip tube
 - 4) Liquid port coupler
- Optional**
- 5) Accessories



Ideal for safe, efficient chemical handling

Specifications

Pressure: 0 to 45 psig (0 to 3.1 bar)

Temperature range

Coupler: 32 to 135°F (0 to 57°C)

Drum insert: -20 to 135°F (-29 to 57°C)

Flow capacity: 10 GPM at less than 2 psid (0.14 bar) pressure drop

Complete Dispensing Kits

Kits include a 1/2" NPT(M) coupler body, 2" buttress drum insert, dip tube, liquid line fitting, vent check valve, and shipping plug.

Description	Catalog number	Price
Drum adapter kit for 5-gal. jerry cans; 13" (330 mm) dip tube and 1/2" compression nut connection	GY-31608-00	
Drum adapter kit for 5-gal. jerry cans; 13" (330 mm) dip tube and 3/4" hose barb connection	GY-31608-10	
Drum adapter kit for 50-gal. drums; 35-1/2" (902 mm) dip tube and 1/2" compression nut connection	GY-31608-01	
Drum adapter kit for 50-gal. drums; 35-1/2" (902 mm) dip tube and 3/4" hose barb connection	GY-31608-11	
Drum adapter kit for IBCs; 39" (990 mm) dip tube and 1/2" compression nut connection	GY-31608-02	
Drum adapter kit for IBCs; 39" (990 mm) dip tube and 3/4" hose barb connection	GY-31608-12	

Individual Dispensing Components

Description	Catalog number	Price
1. Coupler bodies (PP, 316 SS spring, EPDM seal)		
Coupler body, 1/2" NPT(M) outlet	GY-31608-20	
Coupler body, 3/4" BSSP outlet	GY-31608-21	
2. Drum inserts (PE, EPDM seal)		
Buttress-style drum insert, 2" buttress	GY-31608-22	
Buttress-style drum insert, BCS 56x4 thread	GY-31608-23	
3. Dip tubes (PE)		
Dip tube for 5-gal. jerry cans, 13" (330 mm)	GY-31608-24	
Dip tube for 50-gal. drums, 35 1/2" (902 mm)	GY-31608-25	
Dip tube for IBCs, 39" (990 mm)	GY-31608-26	
4. Couplers (PP, EPDM seal)		
Liquid line, 1/2" NPT(F) x 3/8" compression nut	GY-31608-30	
Liquid line, 1/2" NPT(F) x 1/2" compression nut	GY-31608-31	
Liquid line, 1/2" NPT(F) x 5/8" compression nut	GY-31608-32	
Liquid line, 1/2" NPT(F) x 3/8" hose barb	GY-31608-33	
Liquid line, 1/2" NPT(F) x 1/2" hose barb	GY-31608-34	
Liquid line, 1/2" NPT(F) x 3/4" hose barb	GY-31608-35	
5. Optional check valve (PP, 316 SS spring, Santoprene® seals)		
Vent check valve, 1/4" NPT(M) x 1/2" hose barb	GY-31608-38	
5. Optional plug (PE, EPDM seal)		
Shipping plug for drum insert	GY-31608-37	

Inert 1/4"-28 UNF Tubing Adapters

No tools required for assembly to tubing

Tube end fittings and inverted cones provide a flangeless fitting that is economical and quick to assemble. Just slip the nut over the tubing, fit the cone to the end of tubing, and screw into the port. The inverted cone sits in a recess in the fitting to allow for maximum thread engagement. Fitting will stay sealed when finger tightened, even in shallow ports such as solenoid valves.

Specifications

Fitting body material: PTFE

Cone material: Tefzel®

Nut material: glass-filled polypropylene

Sealing pressure: rated to 500 psi (34.5 bar) for 1/16" OD tubing, 250 psi (17.2 bar) for 1/8" OD tubing



06471-56



06471-58

Tubing OD	Catalog number	Qty/pk	Price/pk
Inverted cones			
1/16"	GY-06471-56	10	
1/8"	GY-06471-57		
1/4"-28 UNF male fittings			
1/16"	GY-06471-58	10	
1/8"	GY-06471-59		

PVDF Push-to-Connect Fittings and Adapters

Easy, secure connections with any plastic tubing

- Manufactured from FDA-compliant materials
- NSF-51 listed for contact with food

These fittings include an elastomer O-ring for positive compression on tubing to provide a reliable seal for pressure or vacuum applications. They are an excellent choice with any rigid plastic tubing material, such as polyethylene, polypropylene, nylon, PTFE, PFA, FEP, and PVDF. With an optional tube support, they also handle flexible materials such as vinyl or polyurethane.

To install, simply insert the tubing and push past the O-ring to the internal tube stop—the teeth of the internal collet grip the tubing for secure retention and a no-leak connection. Extra-deep tube seat provides tubing support and eliminates the risk of side-load leakage. To release the tubing, simply push down on the collet against the fitting body. The collet teeth release, and the tubing may be easily extracted.

Specifications

Body material	PVDF
O-ring material	FKM
Collet material	PP
Temperature range	0 to 275°F (-18 to 135°C)
Max pressure	300 psi
Max vacuum	30" Hg
Sterilization	Not recommended

A. Male Threaded Adapters

Tube OD	NPT(M)	Qty/pk	Catalog number	Price/pk
1/4"	1/8"	10	GY-34040-01	
1/4"	1/4"	10	GY-34040-02	
1/4"	3/8"	10	GY-34040-03	
3/8"	1/4"	10	GY-34040-04	
3/8"	3/8"	25	GY-34040-05	
3/8"	1/2"	10	GY-34040-06	

B. Union Elbows

Tube OD	Qty/pk	Catalog number	Price/pk
1/4"	25	GY-34040-12	
1/4" x 3/8"	10	GY-34040-14	
3/8"	25	GY-34040-15	

C. Union Tees

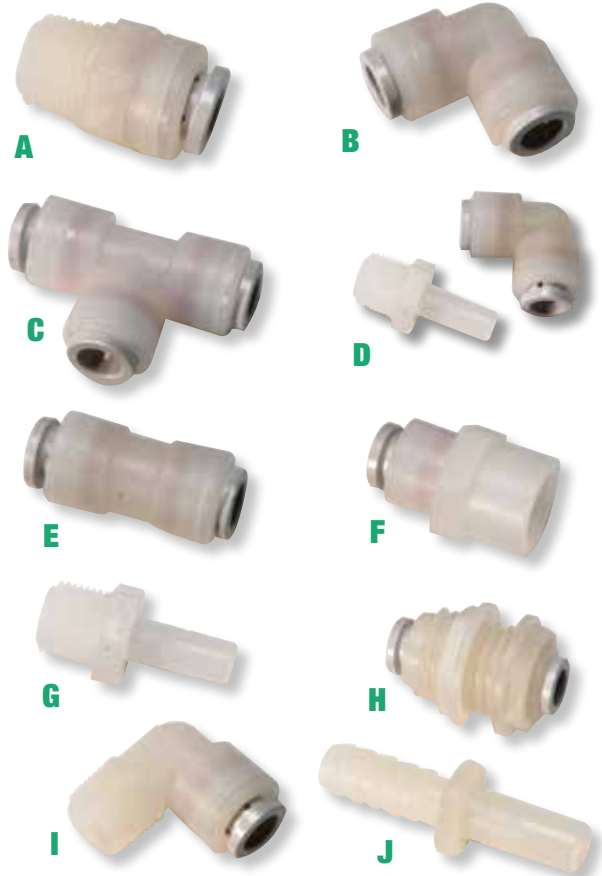
Tube OD	Qty/pk	Catalog number	Price/pk
1/4"	25	GY-34040-22	
1/4" x 3/8"	25	GY-34040-24	
3/8"	25	GY-34040-25	

D. Male Threaded Swivel Elbow Adapters

Tube OD	NPT(M)	Qty/pk	Catalog number	Price/pk
1/4"	1/8"	10	GY-34040-31	
1/4"	1/4"	10	GY-34040-32	
3/8"	1/4"	10	GY-34040-34	
3/8"	3/8"	25	GY-34040-35	

E. Straight Union Connectors

Tube OD	Qty/pk	Catalog number	Price/pk
1/4"	25	GY-34040-42	
1/4" x 3/8"	10	GY-34040-44	
3/8"	25	GY-34040-45	



F. Female Threaded Adapters

Tube OD	NPT(F)	Qty/pk	Catalog number	Price/pk
1/4"	1/8"	25	GY-34040-51	
1/4"	1/4"	25	GY-34040-52	
3/8"	1/4"	25	GY-34040-54	
3/8"	3/8"	25	GY-34040-55	

G. Male Threaded Stem Adapters

Tube OD	NPT(M)	Qty/pk	Catalog number	Price/pk
1/4"	1/8"	10	GY-34040-61	
1/4"	1/4"	25	GY-34040-62	
3/8"	1/4"	10	GY-34040-64	
3/8"	3/8"	25	GY-34040-65	

H. Bulkhead Straight Union Connectors

Tube OD	Qty/pk	Catalog number	Price/pk
1/4"	10	GY-34040-72	
3/8"	25	GY-34040-75	

I. Male Threaded Elbow Adapters

Tube OD	NPT(M)	Qty/pk	Catalog number	Price/pk
1/4"	1/8"	10	GY-34040-81	
1/4"	1/4"	25	GY-34040-82	
1/4"	3/8"	10	GY-34040-83	
3/8"	1/4"	10	GY-34040-84	
3/8"	3/8"	25	GY-34040-85	

J. Barbed Stem Adapters

Tube OD	Tube ID	Qty/pk	Catalog number	Price/pk
1/4"	1/4"	25	GY-34040-92	
3/8"	1/4"	10	GY-34040-94	
3/8"	3/8"	25	GY-34040-95	

Fittings and Adapters

No need to buy two fitting halves

- A single fitting offers secure connections and quick disconnection
- Meet NSF and FDA requirements for food-grade applications
- Quick-disconnect convenience for a wide variety of tubing material—including soft metals!

Simply push tubing past the O-ring to the internal tube stop—steel teeth on the collet grip tubing for leakproof connections. To disconnect, press collet against fitting body to disengage teeth—tubing slides right out.

Fittings work with semirigid plastic (polypropylene, polyethylene, nylon) and soft metal (brass, copper, mild steel) tubing. To connect flexible tubing such as Tygon® or silicone, order soft tube supports "X" on page 297.

Adapters let you permanently modify basic fittings for customized installations. Tube-to-hose stems "S" and elbows "T" adapt fittings for braided tubing.



Specifications

Materials: acetal body, nitrile O-ring, and acetal/stainless steel collet
Temperature range: -14 to 167°F (-25 to 75°C) for air; 33 to 140°F (0 to 60°C) for water
Max pressure: 150 psi (10.3 bar) for air; 250 psi (17.2 bar) for water
Max vacuum: 30" Hg (762 mm Hg)
Sterilization: autoclave or EtO

A. Male Threaded Fittings

Tube OD	NPT(M)	Catalog number	Price/pk of 10
1/4"	1/8"	GY-34006-02	
1/4"	1/4"	GY-34006-03	
3/8"	1/8"	GY-34006-04	
3/8"	1/4"	GY-34006-05	
3/8"	3/8"	GY-34006-06	
3/8"	1/2"	GY-34006-07	
1/2"	3/8"	GY-34006-08	
1/2"	1/2"	GY-34006-09	
5/32"	1/8"	GY-34006-48	
5/32"	1/4"	GY-34006-49	
3/16"	1/8"	GY-34006-28	
1/4"	3/8"	GY-34006-29	
5/16"	1/8"	GY-34006-50	
5/16"	1/4"	GY-34006-51	
5/16"	3/8"	GY-34006-52	

B. Straight Unions

Tube OD	Catalog number	Price/pk of 10
1/4"	GY-34006-17	
3/8"	GY-34006-18	
1/2"	GY-34006-19	
5/32"	GY-34006-57	
3/16"	GY-34006-32	
5/16"	GY-34006-58	

C. Reducing Unions

Tube OD	Tube OD	Catalog number	Price/pk of 10
1/4"	3/16"	GY-34006-22	
5/16"	1/4"	GY-34006-23	
3/8"	3/16"	GY-34006-24	
3/8"	1/4"	GY-34006-25	
3/8"	5/16"	GY-34006-26	
1/2"	3/8"	GY-34006-27	
5/16"	5/32"	GY-34006-61	
5/16"	3/16"	GY-34006-36	
1/2"	5/16"	GY-34006-37	

D. Union Elbows

Tube OD	Catalog number	Price/pk of 10
1/4"	GY-34006-14	
3/8"	GY-34006-15	
1/2"	GY-34006-16	
5/32"	GY-34006-55	
3/16"	GY-34006-31	
5/16"	GY-34006-56	

E. Union Tees

Tube OD	Catalog number	Price/pk of 10
1/4"	GY-34006-11	
3/8"	GY-34006-12	
1/2"	GY-34006-13	
5/32"	GY-34006-53	
3/16"	GY-34006-30	
5/16"	GY-34006-54	

F. Bulkhead Unions

Tube OD	Catalog number	Price/pk of 10
1/4"	GY-34006-20	
3/8"	GY-34006-21	
1/2"	GY-34006-35	
5/32"	GY-34006-59	
3/16"	GY-34006-33	
5/16"	GY-34006-60	

G. Two-Way Dividers

Tube OD	Tube ID	Catalog number	Price/pk of 10
5/16"	5/16"	GY-34006-63	
3/8"	3/8"	GY-34006-45	
3/8"	5/16"	GY-34006-46	

H. Reducing Elbows

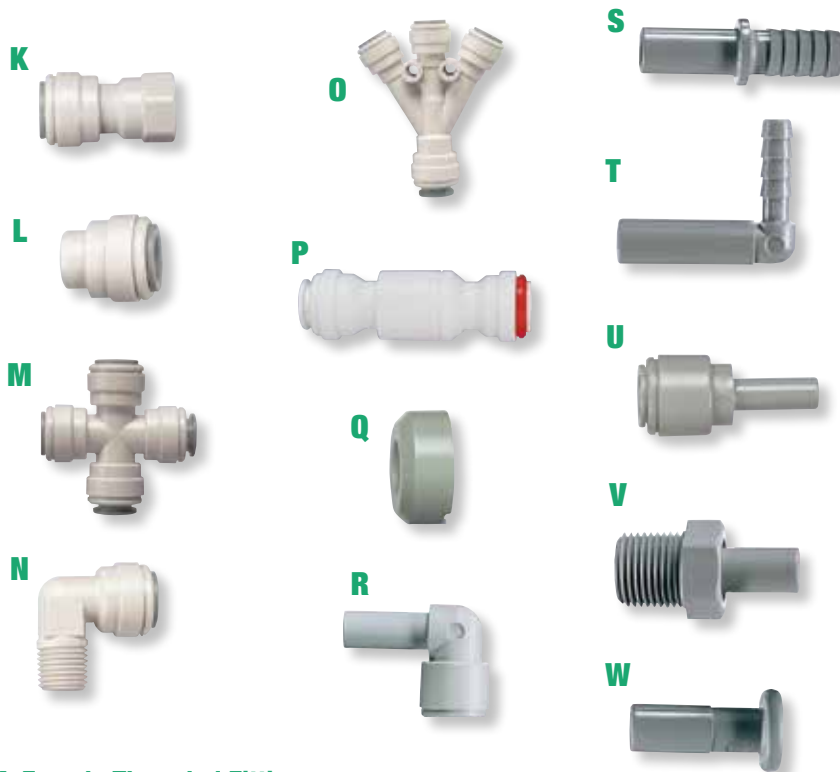
Tube OD	Tube OD	Catalog number	Price/pk of 10
5/16"	5/32"	GY-34006-62	
5/16"	3/16"	GY-34006-38	
5/16"	1/4"	GY-34006-39	
3/8"	3/16"	GY-34006-40	
3/8"	1/4"	GY-34006-41	
3/8"	5/16"	GY-34006-42	
1/2"	5/16"	GY-34006-43	
1/2"	3/8"	GY-34006-44	

I. Reducing Tees

Tube OD	Tube OD	Catalog number	Price/pk of 10
3/8"	1/4"	GY-34006-47	
1/2"	3/8"	GY-34006-01	

J. Reducing Bulkhead

Tube OD	Tube OD	Catalog number	Price/pk of 10
3/8"	1/4"	GY-34006-34	

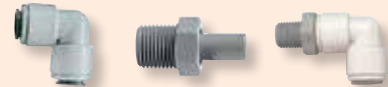


Teky's Tips



Build your Own

Build your own permanent configuration by combining fittings with adapters. For example, combine a union adapter with a male pipe thread adapter to create a swivel elbow adapter.



D. Union elbow fitting + **V.** Male pipe thread adapter = Swivel elbow adapter

K. Female Threaded Fittings

Tube OD	NPT(F)	Catalog number	Price/pk of 10
1/4"	1/4"	GY-34007-16	
3/8"	1/4"	GY-34007-17	

L. End Stops

Tube OD	Catalog number	Price/pk of 10
1/4"	GY-34007-18	
3/8"	GY-34007-19	

M. Cross

Tube OD	Catalog number	Price/pk of 10
3/8"	GY-34007-20	

N. Fixed Elbows

Tube OD	Tube ID	Catalog number	Price/pk of 10
1/4"	1/8"	GY-34007-21	
1/4"	1/4"	GY-34007-22	
1/4"	3/8"	GY-34007-23	
3/8"	3/8"	GY-34007-25	

O. Three-Way Divider

Tube OD	Tube OD	Catalog number	Price/pk of 10
1/2"	3/8"	GY-34007-26	

P. Check Valve

Tube OD	Catalog number	Price/pk of 10
1/4"	GY-34006-64	

Q. Collet Covers

Tube OD	Catalog number	Price/pk of 10
5/32"	GY-34007-34	
3/16"	GY-34006-95	
1/4"	GY-34006-96	
5/16"	GY-06378-83	
3/8"	GY-34006-97	
1/2"	GY-34006-98	

R. Elbow Adapters

Stem OD	Tube OD	Catalog number	Price/pk of 10
1/4"	1/4"	GY-34006-76	
3/8"	3/8"	GY-34006-77	
1/2"	1/2"	GY-34006-78	
5/32"	5/32"	GY-34007-35	
3/16"	3/16"	GY-34006-99	
5/16"	5/16"	GY-34007-36	
3/8"	3/16"	GY-34007-01	
3/8"	1/4"	GY-34007-02	
3/8"	5/16"	GY-34007-03	

S. Tube-to-Hose Adapters

Stem OD	Tube ID	Catalog number	Price/pk of 10
1/4"	1/4"	GY-34006-79	
3/8"	1/4"	GY-34006-80	
3/8"	3/8"	GY-34006-81	
1/2"	3/8"	GY-34006-82	
1/2"	1/2"	GY-34006-83	
1/4"	3/16"	GY-34007-04	
1/4"	5/16"	GY-34007-05	
5/16"	3/16"	GY-34007-06	
5/16"	1/4"	GY-34007-07	
5/16"	5/16"	GY-34007-37	
5/16"	3/8"	GY-34007-08	
3/8"	5/16"	GY-34007-09	
3/8"	1/2"	GY-34007-11	

T. Tube-to-Hose Elbow Adapters

Stem OD	Tube ID	Catalog number	Price/pk of 10
1/4"	1/4"	GY-34006-84	
3/8"	1/4"	GY-34006-85	
1/4"	5/16"	GY-34007-13	
5/16"	5/16"	GY-34007-12	
3/8"	5/16"	GY-34007-15	

U. Enlarger

Stem OD	Tube ID	Catalog number	Price/pk of 10
5/16"	3/8"	GY-34006-94	

V. Male Threaded Adapters

Stem OD	NPT(M)	Catalog number	Price/pk of 10
1/4"	1/8"	GY-34006-66	
1/4"	1/4"	GY-34006-67	
3/8"	1/4"	GY-34006-68	
3/8"	3/8"	GY-34006-69	
1/2"	3/8"	GY-34006-70	
1/2"	1/2"	GY-34006-71	
5/32"	1/8"	GY-34007-27	
5/32"	1/4"	GY-34007-28	
3/16"	3/8"	GY-34006-86	
5/16"	1/8"	GY-34007-29	
5/16"	1/4"	GY-34007-30	
5/16"	3/8"	GY-34007-31	

W. Plugs

Stem OD	Catalog number	Price/pk of 10
1/4"	GY-34006-73	
3/8"	GY-34006-74	
1/2"	GY-34006-75	
5/32"	GY-34007-32	
3/16"	GY-34006-93	
5/16"	GY-34007-33	

X. Soft Tube Supports

Stem OD	Tube OD	Catalog number	Price/pk of 10
5/16"	1/4"	GY-34007-40	
3/8"	5/16"	GY-34007-38	
1/2"	3/8"	GY-34007-39	

Y. Reducers

Stem OD	Tube OD	Catalog number	Price/pk of 10
3/16"	5/32"	GY-34006-87	
5/16"	3/16"	GY-34006-88	
5/16"	1/4"	GY-34006-85	
3/8"	3/16"	GY-34006-89	
3/8"	1/4"	GY-34006-90	
1/2"	5/16"	GY-34006-91	
1/2"	3/8"	GY-34006-92	
1/2"	5/16"	GY-34006-72	

Polypropylene Push-to-Connect Fittings and Adapters

Quick, leakproof connection

– Polypropylene and EPDM materials meet FDA, NSF 51, and NSF 61 requirements for food-grade applications

Fittings work with semi-rigid plastic (polypropylene, polyethylene, nylon) and soft metal (brass, copper, mild steel) tubing. Adapters let you permanently modify basic fittings for customized installations.

Specifications

Materials: polypropylene bodies, EPDM O-rings, and stainless steel collets

Temperature range: 33 to 140°F (1 to 60°C)

Max pressure (for water): 150 psi at 70°F, 60 psi at 140°F (10.3 bar at 21°C, 4.1 bar at 60°C)

Sterilization: autoclavable separately disconnected from tubing

A–B. Male Threaded Fittings and Male Pipe Threaded Elbows

Tube OD	NPT(M)	Catalog number	Price/10 pk
A. Male threaded fittings			
1/4"	1/8"	GY-34007-42	
1/4"	1/4"	GY-34007-43	
3/8"	1/4"	GY-34007-44	
3/8"	3/8"	GY-34007-45	
B. Male threaded elbows			
1/4"	1/8"	GY-34007-62	
1/4"	1/4"	GY-34007-63	
3/8"	1/4"	GY-34007-64	
3/8"	3/8"	GY-34007-65	



C–E. Straight Unions, Union Elbows, and Union Tees

Tube OD	Catalog number	Price/10 pk
C. Straight unions		
1/4"	GY-34007-51	
3/8"	GY-34007-52	
D. Union elbows		
1/4"	GY-34007-48	
3/8"	GY-34007-49	
E. Union tees		
1/4"	GY-34007-46	
3/8"	GY-34007-47	

F. Faucet Connector

Tube OD	UNS(F)	Catalog number	Price/10 pk
3/8"	7/16-24	GY-34007-61	

G. Male Threaded Adapters

Stem tube OD	NPT(M)	Catalog number	Price/10 pk
1/4"	1/8"	GY-34007-53	
1/4"	1/4"	GY-34007-54	
3/8"	1/4"	GY-34007-55	
3/8"	3/8"	GY-34007-56	

H–I. Reducer Adapter and Elbow Adapters

Stem tube OD	Tube OD	Catalog number	Price/10 pk
H. Reducer adapter			
3/8"	1/4"	GY-34007-57	
I. Elbow adapters			
1/4"	1/4"	GY-34007-58	
3/8"	1/4"	GY-34007-59	
3/8"	3/8"	GY-34007-60	

Stainless Steel Push-to-Connect Fittings

Minimize effects of thermal expansion and leakage

These durable fittings are ideal for harsh environments that demand chemically resistant fluid lines, ensuring uninterrupted air or fluid lines.

Specifications

Materials: 316 stainless steel bodies and collets, FKM O-rings

Temperature range: –4 to 300°F (–20 to 149°C)

Max pressure: 225 psi (15.5 bar)

Max vacuum: 30" Hg (762 mm Hg)

Sterilization: not recommended



Tube OD	NPT(M)	Catalog number	Price/ea
A. Male thread adapters			
1/4"	1/8"	GY-31370-00	
1/4"	1/4"	GY-31370-01	
3/8"	1/4"	GY-31370-02	
3/8"	3/8"	GY-31370-03	
1/2"	3/8"	GY-31370-04	
1/2"	1/2"	GY-31370-05	
B. Swivel male connectors			
1/4"	1/8"	GY-31370-06	
1/4"	1/4"	GY-31370-07	
3/8"	1/4"	GY-31370-08	
3/8"	3/8"	GY-31370-09	
1/2"	3/8"	GY-31370-10	
1/2"	1/2"	GY-31370-11	
C. Swivel male tees			
1/4"	1/8"	GY-31370-12	
1/4"	1/4"	GY-31370-13	
3/8"	1/4"	GY-31370-14	
3/8"	3/8"	GY-31370-15	

Tube OD	Catalog number	Price/ea
D. Unions		
1/4"	GY-31370-16	
3/8"	GY-31370-17	
1/2"	GY-31370-18	
E. Union elbows		
1/4"	GY-31370-19	
3/8"	GY-31370-20	
1/2"	GY-31370-21	
F. Union tees		
1/4"	GY-31370-22	
3/8"	GY-31370-23	
1/2"	GY-31370-24	

Cole-Parmer® Polypropylene (PP) and PVDF Sanitary Clamp Fittings

Maintain sanitary conditions in your processes

- Meet USP Class VI for pharmaceutical use and FDA, USDA, and 3A standards for food contact
- All fittings are compatible with Tri-Clamp® fittings
- Excellent chemical resistance; low leachable characteristics

Note: Though both materials may be autoclaved, PVDF tolerates high temperatures better than PP does and will perform more consistently after repeated autoclaving.



Specifications

Clamp size	Inner dimension (based on SS tube ID)
¾" mini	9/16"
1" maxi	7/8"
1" ladish†	7/8"
1½"	1⅜"
2"	1⅞"
2½"	2⅜"
3"	2⅞"

†Choose 1" ladish fittings for a direct match with 1" stainless steel sanitary connections.

Chemical resistance

PP: very good PVDF: excellent

Temperature range

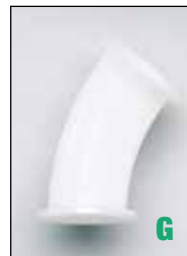
PP: 15 to 180°F (–9 to 82°C)
PVDF: –40 to 280°F (–40 to 138°C)

Max pressure

In ambient conditions, using plastic true union style clamp

PP: 125 psi PVDF: 150 psi

Sterilization: ETO or autoclave



Clamp size	PP		PVDF	
	Cat. no.	Price	Cat. no.	Price
A. Eccentric reducers				
1½" x ¾" mini	GY-31805-01		GY-31808-01	
B. Concentric reducers				
1" ladish x ¾" mini	GY-31805-05		GY-31808-05	
1½" x ¾" mini	GY-31805-06		GY-31808-06	
1½" x 1" ladish	GY-31805-10		GY-31808-10	
2" x 1" ladish	GY-31805-11		GY-31808-11	
2" x 1½"	GY-31805-14		GY-31808-14	
C. Barbed adapters, clamp x tubing ID				
¾" mini x 1/8"	GY-31805-24		GY-31808-24	
¾" mini x 1/4"	GY-31805-25		GY-31808-25	
¾" mini x 3/8"	GY-31805-26		GY-31808-26	
¾" mini x 1/2"	GY-31805-27		GY-31808-27	
¾" mini x 5/8"	GY-31805-28		GY-31808-28	
¾" mini x ¾"	GY-31805-29		GY-31808-29	
1" ladish x 1/8"	GY-31805-30		GY-31808-30	
1" ladish x 1/4"	GY-31805-31		GY-31808-31	
1" ladish x 3/8"	GY-31805-32		GY-31808-32	
1" ladish x 1/2"	GY-31805-33		GY-31808-33	
1" ladish x 3/4"	GY-31805-34		GY-31808-34	
1" ladish x 1"	GY-31805-35		GY-31808-35	
1½" x 1"	GY-31805-41		GY-31808-41	
2" x 1"	GY-31805-47		GY-31808-47	
D. Pipe thread adapters, clamp x NPT(M)				
1" ladish x 1/8"	GY-31805-56		GY-31808-56	
1" ladish x 1/4"	GY-31805-57		GY-31808-57	
1" ladish x 3/8"	GY-31805-58		GY-31808-58	
1" ladish x 1/2"	GY-31805-59		GY-31808-59	
1" ladish x 3/4"	GY-31805-60		GY-31808-60	
1" ladish x 1"	GY-31805-61		GY-31808-61	
1" ladish x 1¼"	GY-31805-62		GY-31808-62	
1" ladish x 1½"	GY-31805-63		GY-31808-63	
1½" x ¾"	GY-31805-68		GY-31808-68	
1½" x 1"	GY-31805-69		GY-31808-69	
1½" x 1¼"	GY-31805-70		GY-31808-70	
1½" x 1½"	GY-31805-71		GY-31808-71	
2" x 1"	GY-31805-77		GY-31808-77	
2" x 1¼"	GY-31805-78		GY-31808-78	
2" x 1½"	GY-31805-79		GY-31808-79	
2" x 2"	GY-31805-80		GY-31808-80	
E. Pipe thread adapters, clamp x NPT(F)				
1" ladish x ¾"	GY-31806-04		GY-31809-04	
1" ladish x 1"	GY-31806-05		GY-31809-05	
1½" x 1½"	GY-31806-15		GY-31809-15	
F. 90° elbows				
¾" mini	GY-31806-41		GY-31809-41	
1" ladish	GY-31806-42		GY-31809-42	
1½"	GY-31806-43		GY-31809-43	
2"	GY-31806-44		GY-31809-44	
G. 45° elbows				
¾" mini	GY-31806-51		GY-31809-51	
1" ladish	GY-31806-52		GY-31809-52	
1½"	GY-31806-53		GY-31809-53	
2"	GY-31806-54		GY-31809-54	
H. Standard tees				
¾" mini	GY-31806-61		GY-31809-61	
1" ladish	GY-31806-62		GY-31809-62	
1½"	GY-31806-63		GY-31809-63	
2"	GY-31806-64		GY-31809-64	
I. Clamps				
¾" mini	—	—	GY-31811-00	
1" and 1½"	—	—	GY-31811-01	
2"	—	—	GY-31811-02	
2½"	—	—	GY-31811-03	

J. Nylon Clamps

Clamp size	Catalog number	Price
½" to ¾"	GY-30508-21	
1" to 1½"	GY-30508-23	
2"	GY-30508-25	
3"	GY-30508-27	
4"	GY-30508-29	

Gaskets (not shown)

Gasket size	Catalog number	Price
Platinum-cured silicone		
¾" mini	GY-30548-00	
1" ladish	GY-30548-02	
1½"	GY-30548-04	
2"	GY-30548-06	
2½"	GY-30548-08	
Viton®		
¾" mini	GY-30548-20	
1" ladish	GY-30548-22	
1½"	GY-30548-24	
2"	GY-30548-26	
2½"	GY-30548-28	
Buna N		
¾" mini	GY-30548-40	
1" ladish	GY-30548-42	
1½"	GY-30548-44	
2"	GY-30548-46	
2½"	GY-30548-48	
EPDM		
¾" mini	GY-30548-60	
1" ladish	GY-30548-62	
1½"	GY-30548-64	
2"	GY-30548-66	
2½"	GY-30548-68	
PTFE		
¾" mini	GY-30548-80	
1" ladish	GY-30548-82	
1½"	GY-30548-84	
2"	GY-30548-86	
2½"	GY-30548-88	

Cole-Parmer® 316L and 304 Stainless Steel Sanitary Clamp Couplings

Meet FDA requirements and 3A Sanitary Standards

– All couplings are compatible with standard 304L fittings clamps

316L Stainless Steel Couplings are ideal for the pharmaceutical industry; they offer great chemical compatibility for use with corrosive acids and bases. **304 Stainless Steel Couplings** are ideal for the food, beverage, and dairy industries; they offer good chemical compatibility and are cost effective.



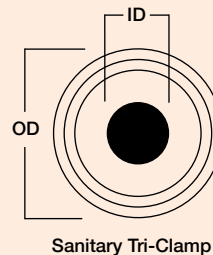
Clamp size	316L stainless steel		304 stainless steel	
	Catalog number	Price	Catalog number	Price
A. Concentric reducers				
1" x ¾"	GY-30700-50	—	—	—
1½" x 1"	GY-30700-51	—	GY-30700-95	—
2" x 1"	GY-30700-52	—	GY-30700-96	—
2" x 1½"	GY-30700-53	—	GY-30700-97	—
B. Eccentric reducers				
1" x ¾"	GY-30700-54	—	—	—
1½" x 1"	GY-30700-55	—	GY-30700-98	—
2" x 1"	GY-30700-56	—	GY-30700-99	—
2" x 1½"	GY-30700-57	—	GY-30701-00	—
C. Barbed adapters				
¾" x ½"	GY-30700-58	—	—	—
¾" x ¼"	GY-30700-59	—	—	—
¾" x ⅜"	GY-30700-60	—	—	—
¾" x ½"	GY-30700-61	—	—	—
¾" x ¾"	GY-30700-62	—	—	—
1" x 1"	GY-30700-63	—	GY-30800-50	—
1½" x 1½"	GY-30700-64	—	GY-30800-51	—
2" x 2"	—	—	GY-30800-52	—
D. Threaded adapters, clamp x NPT(M)				
¾" x ½"	GY-30700-66	—	—	—
¾" x ¼"	GY-30700-67	—	—	—
¾" x ⅜"	GY-30700-68	—	—	—
¾" x ½"	GY-30700-69	—	—	—
¾" x ¾"	GY-30700-70	—	—	—
1" x ¾"	GY-30700-71	—	GY-30800-53	—
1" x 1"	GY-30700-72	—	GY-30800-54	—
1" x 1½"	GY-30700-74	—	GY-30800-55	—
1" x 2"	GY-30700-75	—	GY-30800-56	—
1½" x ¾"	GY-30700-76	—	GY-30800-57	—
1½" x 1"	GY-30700-77	—	GY-30800-58	—
1½" x 1¼"	GY-30700-78	—	GY-30800-59	—
1½" x 1½"	GY-30700-79	—	GY-30800-60	—
1½" x 2"	—	—	GY-30800-61	—
E. 90° elbows				
¾"	GY-30700-80	—	—	—
1"	GY-30700-81	—	GY-30800-62	—
1½"	GY-30700-82	—	GY-30800-63	—
2"	GY-30700-83	—	GY-30800-64	—
F. 45° elbows				
¾"	GY-30700-84	—	—	—
1"	GY-30700-85	—	GY-30800-65	—
1½"	GY-30700-86	—	GY-30800-66	—
2"	GY-30700-87	—	GY-30800-67	—
G. Tees				
¾"	GY-30700-88	—	—	—
1"	GY-30700-89	—	GY-30800-68	—
1½"	GY-30700-90	—	GY-30800-69	—
2"	GY-30700-91	—	GY-30800-70	—
H. Crosses				
1"	GY-30700-92	—	GY-30800-71	—
1½"	GY-30700-93	—	GY-30800-72	—
2"	GY-30700-94	—	GY-30800-73	—
I. Clamps				
½" to ¾"	—	—	GY-30800-74	—
1" to 1½"	—	—	GY-30800-75	—
2"	—	—	GY-30800-76	—
2½"	—	—	GY-30800-77	—
3"	—	—	GY-30800-78	—
4"	—	—	GY-30800-80	—



Teky's Tips



Sanitary Tri-Clamp® Fitting Sizing



Tri-Clamp nominal size	Fitting ID	Fitting OD
¼"	0.187"	0.984"
⅜"	0.227"	
½"	0.375"	
¾"	0.625"	
1"	0.870"	1.984"
1½"	1.360"	
2"	1.870"	2.516"
2½"	2.370"	
3"	2.870"	3.579"

PFA Sanitary Clamp Fittings

Will not rouge or pit

- Inert, nonstick surfaces—perfect for fragile and metal-sensitive proteins
- Employ regular steam-in-place cycles without worry
- Fully compatible with other Tri-Clamp® connections
- Protective overmolding reinforces clamp connection sites
- Full static vacuum capability at 300°F (149°C)

Sanitary applications that use highly corrosive chemicals require fittings that can endure the punishment. These food and pharmaceutical quality PFA fittings are easily cleaned so you will minimize downtime, cross-contamination, and yield loss. Autoclavable.



Specifications

Pressure ratings:

100 psig @ ambient temperature; 60 psig @ 180°F (6.9 bar at 82°C); 60 psig @ 35°F (4.1 bar at 1.66 °C)

Maximum temperature for normal operating parameters:

180°F (82°C) @ 14.7 psig (1 bar)

Vacuum: full static vacuum capability at 300°F (149°C)

Autoclavability: 255°F (124°C) autoclave temperature while components are not under load or bolted together in a valve assembly

Approvals: FDA compliant; meets USP Class VI, 3A, and USDA Sanitary Standards

A. 90° Elbows, PFA

Clamp size	Catalog number	Price
1/2"	GY-31530-01	
3/4"	GY-31530-02	
1"	GY-31530-03	
1 1/2"	GY-31530-04	

B. Tees, PFA

Clamp size	Catalog number	Price
1/4"	GY-31530-09	
1/2"	GY-31530-10	
3/4"	GY-31530-11	
1"	GY-31530-12	
1 1/2"	GY-31530-13	
2"	GY-31530-14	

C. Eccentric Reducer, PFA

Clamp size	Catalog number	Price
3/4" x 1/2"	GY-31530-19	

D. Concentric Reducers, PFA

Clamp size	Catalog number	Price
3/4" x 1/2"	GY-31530-27	
1" x 3/4"	GY-31530-28	
1 1/2" x 1"	GY-31530-29	
2" x 1 1/2"	GY-31530-30	

E. End Caps, PFA

Clamp size	Catalog number	Price
1/4", 1/2", 3/4"	GY-31530-34	
1", 1 1/2"	GY-31530-35	
2"	GY-31530-36	

F. Ferrules, PFA

Clamp size	Catalog number	Price
1/4"	GY-31530-40	
1/2"	GY-31530-41	
3/4"	GY-31530-42	
1"	GY-31530-43	
1 1/2"	GY-31530-44	
2"	GY-31530-45	

G. Clamps, 304L SS

Clamp size	Catalog number	Price
1/2" to 3/4"	GY-30800-74	
1" to 1 1/2"	GY-30800-75	
2"	GY-30800-76	
2 1/2"	GY-30800-77	
3"	GY-30800-78	
4"	GY-30800-80	

H. Clamps, Nylon

Clamp size	Catalog number	Price
1/2" to 3/4"	GY-30508-21	
1" to 1 1/2"	GY-30508-23	
2"	GY-30508-25	
3"	GY-30508-27	
4"	GY-30508-29	

Plastic Sanitary Couplings

Reduce dead space and improve flow



Tapered funnel design provides a steady fluid flow. Smooth inner surface prevents particle entrapment; seamless construction prevents contamination by eliminating leaks and areas of potential bacterial growth. Material meets USP Class VI requirements and is FDA compliant for food contact. Sterilize by gamma irradiation.

Tubing ID	Material	Dimensions			Catalog number	Price
		a	b	Orifice		
1/4"	Polypropylene	19/16"	31/32"	3/16"	GY-31512-00	
3/8"		111/16"	31/32"	5/16"	GY-31512-01	
1/2"		113/16"	31/32"	3/8"	GY-31512-02	
1/4"	PVDF	19/16"	31/32"	3/16"	GY-31512-03	
3/8"		111/16"	31/32"	5/16"	GY-31512-04	
1/2"		113/16"	31/32"	3/8"	GY-31512-05	
1/4"	Polysulfone	19/16"	31/32"	3/16"	GY-31512-06	
3/8"		111/16"	31/32"	5/16"	GY-31512-07	
1/2"		113/16"	31/32"	3/8"	GY-31512-08	

Accessories

[GY-30548-00](#) Gasket, silicone. Pack of 10

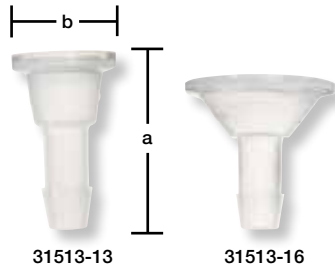
[GY-31201-88](#) Push/pull clamp, PVDF

Polypropylene Sanitary Adapters

No BSE documentation required!

- Meets USP Class VI requirements
- No sharp edges in the flow path, so cleaning is very easy; may be sterilized by gamma irradiation

PP adapters offer good chemical resistance and are the perfect transition from sanitary clamp connections to a barb for flexible tubing. All feature a radiused flow surface controlled to 15 micron Ra to ensure a smooth, uninterrupted flow and no particulate buildup. Material is free of animal-derived ingredients.



Roughness Average (Ra) is the arithmetic mean of the peaks and valleys on the surface of the fitting. The lower the Ra reading, the smoother the surface.

ANIMAL DERIVED INGREDIENT FREE

Clamp size	Tubing ID	Dimensions			Catalog number	Price
		a	b	Orifice		
1/2"	3/8"	1.64"	0.98"	0.30"	GY-31513-13	
1/2"	1/2"	1.87"	0.98"	0.42"	GY-31513-14	
1 1/2"	1 1/2"	1.64"	1.99"	0.30"	GY-31513-15	
1 1/2"	1 1/2"	1.87"	1.99"	0.44"	GY-31513-16	

Gaskets

Will not creep or cold flow over time

- The chemical resistance of PTFE and the flexibility of an elastomer
- Designed for CIP/SIP conditions



Tuf-Flex gasket grafts a PTFE envelope to an elastomer core. The core gives the gasket the mechanical properties of an elastomer, including memory and flexibility. Designed to meet the stringent requirements of biopharmaceutical, ultra-pure water, WFI (water for injection), and food and beverage processing applications. Has USP Class VI certification; meets USDA and 3A sanitary standards. Material is free of animal-derived ingredients.



Size	Catalog number	Price/ea
1/2"	GY-30547-50	
3/4"	GY-30547-52	
1"	GY-30547-54	
1 1/2"	GY-30547-56	
2"	GY-30547-58	
2 1/2"	GY-30547-60	

Accessories

[GY-30548-00](#) Gasket, 1/2", platinum-cured silicone. Pack of 10

[GY-30548-04](#) Gasket, 1 1/2", platinum-cured silicone. Pack of 10

[GY-31201-88](#) Push/pull sanitary mini clamp, PVDF

[GY-30508-23](#) Sanitary clamp, 1 1/2", nylon

Cole-Parmer® Gaskets for Tri-Clamp® Sanitary Fittings

Ensure a tight seal

- Meet FDA CFR Title 21 CFR 177.2600, USDA, 3A, and cGMP criteria
- Silicone, EPDM, FKM, and PTFE gaskets are free of animal-derived ingredients and meet USP Class VI, EP 3.1.9, and cytotoxicity criteria

Platinum-Cured Silicone is ideal for most pharmaceutical, food, and beverage processing applications. Odorless and tasteless to ensure media purity. Usable from -58 to 446°F (-50 to 230°C). Maybe undergo SIP.

EPDM offers good chemical resistance. An economical choice for water, acetone, or ketone applications. Usable from -65 to 212°F (-54 to 100°C).

Buna N offers good chemical resistance, particularly for petroleum-based products or cold water. Usable over a range from -65 to 275°F (-54 to 135°C).

FKM offers excellent chemical resistance, especially to many acids and alkalis. Best choice for many pharmaceutical, chemical, automotive, or fuel applications. Usable from -25 to 400°F (-32 to 204°C). Sterilization is not recommended.

PTFE offers excellent chemical compatibility. Highly resistant to stress cracking and corrosion. Usable from -450 to 550°F (-268 to 288°C).



Size	Platinum-cured silicone		EPDM		Buna N		FKM		PTFE	
	Catalog number	Price/pk of 10	Catalog number	Price/pk of 10	Catalog number	Price/pk of 10	Catalog number	Price/pk of 10	Catalog number	Price/pk of 10
3/4"	GY-30548-00		GY-30548-60		GY-30548-40		GY-30548-20		GY-30548-80	
1"	GY-30548-02		GY-30548-62		GY-30548-42		GY-30548-22		GY-30548-82	
1 1/2"	GY-30548-04		GY-30548-64		GY-30548-44		GY-30548-24		GY-30548-84	
2"	GY-30548-06		GY-30548-66		GY-30548-46		GY-30548-26		GY-30548-86	
2 1/2"	GY-30548-08		GY-30548-68		GY-30548-48		GY-30548-28		GY-30548-88	

Sanitary Sampling Smart Gasket® Gaskets and Clamps

Take samples directly from a sanitary line

- Measure temperature, take a sample, or dose chemicals into your process line
- Easily install between two sanitary Tri-Clamp® fittings

Smart Gaskets have a molded port that allows either a thermocouple or sampling tube to be inserted into the line. For gaskets with two, three, or four ports, go to ColeParmer.com. Clamps are required with the gaskets because they have slots in them that correspond to the different number of ports.



Ports allow temperature measurement, injection, or withdrawal from a sanitary process line.

30542-00



30544-03

Clamp size	Single-port gaskets			Clamps for single-port gaskets		
	Material	Catalog number	Price	Material	Catalog number	Price
1/2"	Platinum-cured silicone	GY-30542-00		304 SS	GY-30542-03	
	EPDM	GY-30542-01				
	FKM	GY-30542-02				
3/4"	Platinum-cured silicone	GY-30542-04		304 SS	GY-30542-07	
	EPDM	GY-30542-05				
	FKM	GY-30542-06				
1"	Platinum-cured silicone	GY-30542-08		304 SS	GY-30542-11	
	EPDM	GY-30542-09				
	FKM	GY-30542-10				
1 1/2"	Platinum-cured silicone	GY-30542-12		304 SS	GY-30542-15	
	EPDM	GY-30542-13				
	FKM	GY-30542-14				

Screen Gaskets

Protect your pump, valves, and other components in fluid line

- Prefilter before critical membrane filters
- Generate turbulence for enhanced mass or heat transfer
- Purify in chromatography applications

Screen gaskets are designed to be interchangeable with standard sanitary clamp gaskets. Available in platinum-cured silicone, FKM, and PTFE; screen mesh is constructed of 316L stainless steel. Gaskets meet USP Class VI, FDA CFR Title 21 Section 177.2600, USDA, 3-A, and cGMP criteria and are free of animal-derived ingredients.

Platinum-Cured Silicone is an ideal choice for pharmaceutical, high-purity water, injectable, food, and beverage applications. Resists adhesion; tasteless/odorless; plasticizer-free. Usable from -58 to 446°F (-50 to 230°C). Sanitize in place at up to 30 psi and up to 123°C (235°F).

FKM offers excellent chemical resistance. Applications include pharmaceutical, chemical, automotive, and fuel lines. Easy to install yet durable; resists hardening and embrittlement. Usable from -25 to 400°F (-32 to 204°C). Sterilization is not recommended.

PTFE offers excellent chemical resistance. Resists high temperatures. Commonly used in pharmaceutical, food, and chemical applications. Usable from -450 to 550°F (-268 to 288°C).



30523-08
Mesh size 10



30523-86
Mesh size 100



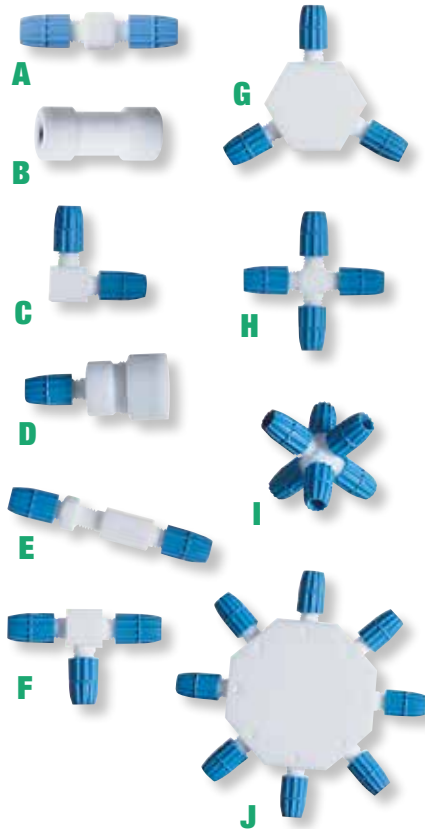
30538-68
Mesh size 60

ANIMAL DERIVED
INGREDIENT FREE

Specifications

Mesh size (wires/inch)	Particle size retained	
	Microns	Inches
10	1905	0.075
20	864	0.065
40	381	0.015
60	233	0.009
100	140	0.004

Size	Mesh					Price/ea
	10	20	40	60	100	
Platinum-cured silicone gaskets						
1/2"	—	GY-30523-20	GY-30523-40	GY-30523-60	GY-30523-80	
3/4"	—	GY-30523-22	GY-30523-42	GY-30523-62	GY-30523-82	
1"	GY-30523-04	GY-30523-24	GY-30523-44	GY-30523-64	GY-30523-84	
1 1/2"	GY-30523-06	GY-30523-26	GY-30523-46	GY-30523-66	GY-30523-86	
2"	GY-30523-08	GY-30523-28	GY-30523-48	GY-30523-68	GY-30523-88	
FKM gaskets						
1/2"	—	GY-30536-20	GY-30536-40	GY-30536-60	GY-30536-80	
3/4"	—	GY-30536-22	GY-30536-42	GY-30536-62	GY-30536-82	
1"	GY-30536-04	GY-30536-24	GY-30536-44	GY-30536-64	GY-30536-84	
1 1/2"	GY-30536-06	GY-30536-26	GY-30536-46	GY-30536-66	GY-30536-86	
2"	GY-30536-08	GY-30536-28	GY-30536-48	GY-30536-68	GY-30536-88	
PTFE gaskets						
1/2"	—	GY-30538-20	GY-30538-40	GY-30538-60	GY-30538-80	
1"	GY-30538-04	GY-30538-24	GY-30538-44	GY-30538-64	GY-30538-84	
1 1/2"	GY-30538-06	GY-30538-26	GY-30538-46	GY-30538-66	GY-30538-86	
2"	GY-30538-08	GY-30538-28	GY-30538-48	GY-30538-68	GY-30538-88	



PTFE Connectors

Create very low dead volume connections

Standard connectors (except 06473-07 and -08) include polypropylene (PP) caps, two large FKM O-rings per cap to connect 2- to 4-mm OD tubing, one small FKM O-ring to connect to 1- to 2-mm OD tubing, and one PTFE cone. Use the interchangeable components to also create chemically inert fluid pathway connections and flat-bottom ports. All PTFE connectors are autoclavable.

Standard Connectors

Key	Type	Tube OD	Standard connectors			Connectors with integral on/off valve		
			Catalog number	Qty/pk	Price/pk	Catalog number	Qty/pk	Price/pk
Union connectors (2-way)								
A	Straight	1 to 4 mm	GY-06473-00	3		GY-06473-10	2	
			GY-06473-01	20				
B	Straight	4 to 11 mm	—	—	—	GY-06473-90	2	
C	Elbow	1 to 4 mm	GY-06473-98	1		—	—	—
D	Reducer	4 to 11 x 1 to 4 mm	GY-06473-07	2		GY-06473-14	1	
E	Bulkhead	1 to 4 mm	GY-06473-06	2		GY-06473-13	2	
Multiport connectors								
F	Tee	1 to 4 mm	GY-06473-09	1		GY-06473-15	1	
G	3-way	1 to 4 mm	GY-06473-02	1		GY-06473-11	1	
H	4-way	1 to 4 mm	GY-06473-03	1		—	—	—
I	6-way	1 to 4 mm	GY-06473-04	1		—	—	—
J	8-way	1 to 4 mm	GY-06473-05	1		GY-06473-12	1	

Colored Caps

A cost-effective method to enable quick and easy color coding of multiple fluid lines.

Color/material	Catalog number	Qty/pk	Price/pk
Black PP	GY-06471-00	10	
Red PP	GY-06471-02		
Orange PP	GY-06471-03		
Yellow PP	GY-06471-04	10	
Green PP	GY-06471-05		
Blue PP	GY-06471-06		
Violet PP	GY-06471-07		
Gray PP	GY-06471-08	10	
White PP	GY-06471-09		
Mixed PP†	GY-06471-10		
White Tefzel®	GY-06473-20		

†Includes one of each PP cap listed in this table.

PTFE Cones

For connector size	Tube OD	Catalog number	Qty/pk	Price/pk
1 to 4 mm	1/16"	GY-06471-61	4	
	1/8"	GY-06471-62		
4 to 11 mm	7/16"	GY-06471-67	2	

Replacement FKM O-Rings

Size	Catalog number	Qty/pk	Price/pk
1 to 2 mm	GY-06473-21	10	
2 to 4 mm	GY-06473-26	10	

Couplings

Material	Catalog number	Qty/pk	Price/pk
PP	GY-06473-50	10	
Tefzel	GY-06473-55	10	

Tube End Fittings (1/4"-28 UNF thread)

Use tube end fittings to create a flat-bottom port connection (see Option 3 at right). Can also connect to a coupling (sold below left) to make a straight-through connection.

Color/material	For tubing		Qty/pk	Price/pk
	1/16" Cat. no.	1/8" Cat. no.		
Black PP	GY-06471-20	GY-06471-40	10	
Brown PP	GY-06471-21	GY-06471-41		
Red PP	GY-06471-22	GY-06471-42		
Orange PP	GY-06471-23	GY-06471-43		
Green PP	GY-06471-25	GY-06471-45	10	
Blue PP	GY-06473-40	GY-06471-46		
Violet PP	GY-06471-27	GY-06471-47		
Gray PP	GY-06471-28	GY-06471-48		
White PP	GY-06471-29	GY-06471-49	10	
Mixed PP†	GY-06471-30	GY-06471-50		
White Tefzel	GY-06473-42	GY-06473-47		

†Includes one of each PP tube end fitting listed in table.

GY-06471-69 Tefzel/PTFE plug. Pack of 2



06471-69

Grippers (1/4"-28 UNF thread)

Secure a gripper onto the tubing and place a fitting of the desired thread type behind it. Once in place, the gripper fitting is simply screwed into a female flat-bottom port of the appropriate thread type to make a secure seal.

Size	Catalog number	Qty/pk	Price/pk
For 1/16" tubing	GY-06473-60	10	
For 1/8" tubing	GY-06473-65	10	

Teky's Tips



Making a Connection

1) Standard connection: Use the two large O-rings to connect 2- to 4-mm OD tubing. Add the small FKM O-ring to connect 1- to 2-mm OD tubing. Place the O-rings over the outside of the tubing and fit into the conical recess of the connector body. Screw the outer colored cap into place to compress the O-rings, thus making a seal with a maximum pressure rating of 50 psi.

2) Chemical inert fluid pathway: Use a PTFE cone that corresponds to the tube's outside diameter. Place the cone over the tube, fit into the conical recess in the connector, and screw the cap into place to make an all-PTFE connection with a maximum pressure rating of 50 psi.

3) Flat-bottom port: Use the PTFE cone to convert the conical recess in the connector cap into a 1/4"-28 UNF flat-bottomed port. Screw a tube end fitting into the cap to create an all-PTFE, leak-free connection with a maximum pressure rating of 1000 psi. The connector can be used in any standard 1/4"-28 UNF threaded port. For soft-wall tubing, use a gripper (sold separately).