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.

FREE certificate of compliance
See page 313.

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.

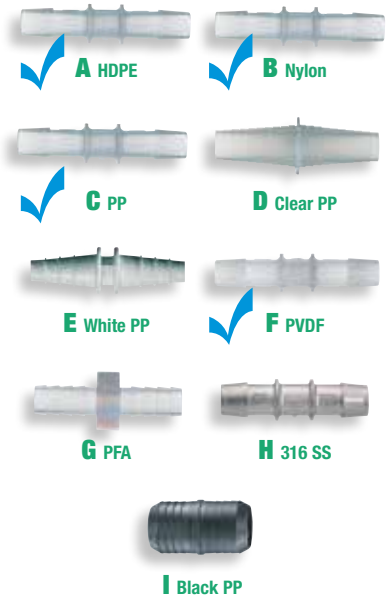
PVC. Good chemical resistance. Rated at 340 psi at 77°F (25°C). Temp range: –10 to 140°F (–23 to 60°C). Sterilize by ethylene oxide only.

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.

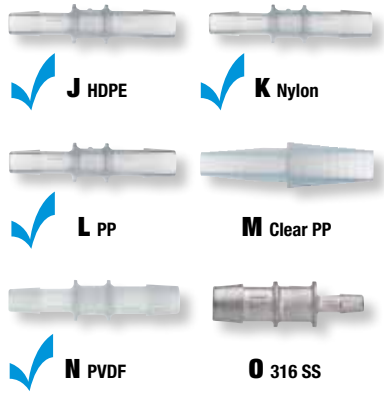
Tubing ID	Material	Key	Catalog number	Qty/ pk	Price/ pk
Straight connectors					
1/16"	HDPE	A	GY-30622-47	10	
1/16"	Nylon	B	GY-30622-48	10	
1/16"	PP	C	GY-40622-49	10	
1/16"	Clear PP	D	GY-06365-11	25	
1/16"	PVDF	F	GY-30703-00	10	
3/32"	HDPE	A	GY-30622-44	10	
3/32"	Nylon	B	GY-30622-45	10	
3/32"	PP	C	GY-40622-46	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



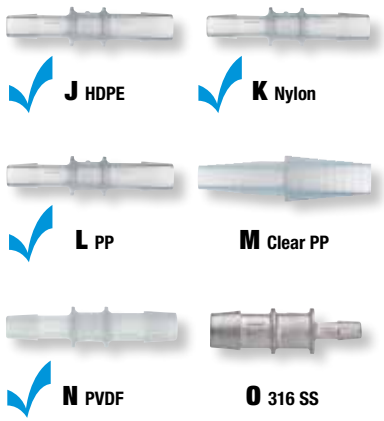
FREE certificate of compliance

See page 313.

Tubing ID	Material	Key	Catalog number	Qty/ pk	Price/ pk
Reducing connectors—continued					
¼" x 5⁄32"	HDPE	J	GY-30622-24	10	
¼" x 5⁄32"	Nylon	K	GY-30622-25	10	
¼" x 5⁄32"	PP	L	GY-40622-26	10	
¼" x 5⁄32"	PVDF	N	GY-30703-51	10	
¼" x 3⁄16"	HDPE	J	GY-30622-29	10	
¼" x 3⁄16"	Nylon	K	GY-30622-30	10	
¼" x 3⁄16"	PP	L	GY-40622-32	10	
¼" x 3⁄16"	PVDF	N	GY-30703-52	10	
5⁄16" x ¼"	HDPE	J	GY-30622-33	10	
5⁄16" x ¼"	Nylon	K	GY-30622-34	10	
5⁄16" x ¼"	PP	L	GY-40610-07	10	
5⁄16" x ¼"	PVDF	N	GY-30703-53	10	
⅜" x ¼"	HDPE	J	GY-30622-35	10	
⅜" x ¼"	Nylon	K	GY-30703-99	10	
⅜" x ¼"	PP	L	GY-40610-08	10	
⅜" x ¼"	PVDF	N	GY-30703-54	10	
⅜" x 5⁄16"	HDPE	J	GY-30622-36	10	
⅜" x 5⁄16"	PP	L	GY-40610-09	10	
⅜" x 5⁄16"	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 ⅛"	HDPE	J	GY-30622-17	10	
5⁄32" x ⅛"	Nylon	K	GY-30622-18	10	
5⁄32" x ⅛"	PP	L	GY-40622-19	10	
5⁄32" x ⅛"	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	
½" x ¼"	HDPE	J	GY-30622-38	10	
½" x ¼"	Nylon	K	GY-30622-39	10	
½" x ¼"	PP	L	GY-40610-10	10	
½" x ¼"	PVDF	N	GY-30703-56	10	
½" x ¼"	316 SS	O	GY-30620-11	1	
½" x 5⁄16"	HDPE	J	GY-30622-40	10	
½" x 5⁄16"	Nylon	K	GY-30622-41	10	
½" x 5⁄16"	PP	L	GY-40610-11	10	
½" x 5⁄16"	PVDF	N	GY-30703-57	10	
½" x ⅜"	HDPE	J	GY-30622-42	10	
½" x ⅜"	Nylon	K	GY-30622-43	10	
½" x ⅜"	PP	L	GY-40610-12	10	
½" x ⅜"	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 ¼"	HDPE	J	GY-30621-96	10	
5⁄8" x ¼"	Nylon	K	GY-30621-97	10	
5⁄8" x ¼"	PP	L	GY-40610-13	10	
5⁄8" x ¼"	PVDF	N	GY-30703-59	10	
5⁄8" x 5⁄16"	HDPE	J	GY-30621-98	10	
5⁄8" x 5⁄16"	Nylon	K	GY-30621-99	10	
5⁄8" x 5⁄16"	PP	L	GY-40610-14	10	
5⁄8" x 5⁄16"	PVDF	N	GY-30703-60	10	
5⁄8" x ⅜"	HDPE	J	GY-30622-00	10	
5⁄8" x ⅜"	Nylon	K	GY-30622-02	10	
5⁄8" x ⅜"	PP	L	GY-40610-15	10	
5⁄8" x ⅜"	PVDF	N	GY-30622-01	10	
5⁄8" x ½"	HDPE	J	GY-30622-03	10	
5⁄8" x ½"	Nylon	K	GY-30622-04	10	
5⁄8" x ½"	PP	L	GY-40610-16	10	
5⁄8" x ½"	PVDF	N	GY-30703-62	10	
¾" x ⅜"	HDPE	J	GY-30622-07	5	
¾" x ⅜"	Nylon	K	GY-30622-08	5	
¾" x ⅜"	PP	L	GY-40610-17	5	
¾" x ⅜"	PVDF	N	GY-30703-63	5	
¾" x ½"	HDPE	J	GY-30622-09	5	
¾" x ½"	Nylon	K	GY-30622-10	5	
¾" x ½"	PP	L	GY-40610-18	5	
¾" x ½"	PVDF	N	GY-30703-64	5	
¾" x ½"	316 SS	O	GY-30620-12	1	
¾" x 5⁄8"	HDPE	J	GY-30622-05	5	
¾" x 5⁄8"	Nylon	K	GY-30622-06	5	
¾" x 5⁄8"	PP	L	GY-40610-19	5	
¾" x 5⁄8"	PVDF	N	GY-30703-65	5	

Tubing ID	Material	Key	Catalog number	Qty/ pk	Price/ pk
Reducing connectors—continued					
1" x ½"	HDPE	J	GY-30622-15	5	
1" x ½"	Nylon	K	GY-30622-16	5	
1" x ½"	PP	L	GY-40610-20	5	
1" x ½"	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 ¾"	HDPE	J	GY-30622-13	5	
1" x ¾"	Nylon	K	GY-30622-14	5	
1" x ¾"	PP	L	GY-40610-22	5	
1" x ¾"	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	
⅛"	HDPE	P	GY-30622-71	10	
⅛"	Nylon	Q	GY-30623-18	10	
⅛"	PP	S	GY-40623-19	10	
⅛"	PVDF	V	GY-30703-22	10	
⅛"	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	
¼"	HDPE	P	GY-30622-76	10	
¼"	Nylon	Q	GY-30622-77	10	
¼"	PP	S	GY-40610-23	10	
¼"	PVDF	V	GY-30703-25	10	
¼"	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	
⅜"	HDPE	P	GY-30622-78	10	
⅜"	Nylon	Q	GY-30622-79	10	
⅜"	PP	S	GY-40610-24	10	
⅜"	PVDF	V	GY-30703-27	10	
⅜"	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	
½"	HDPE	P	GY-30622-80	10	
½"	Nylon	Q	GY-30622-81	10	
½"	PP	S	GY-40610-25	10	
½"	PVDF	V	GY-30703-28	10	
½"	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	
¾"	HDPE	P	GY-30622-67	10	
¾"	Nylon	Q	GY-30622-68	10	
¾"	PP	S	GY-40610-27	5	
¾"	PVDF	V	GY-30703-30	5	
¾"	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	
1¼"	Nylon	Q	GY-31408-05	5	
1¼"	Black PP	R	GY-31407-05	5	
1½"	Nylon	Q	GY-31408-06	5	
1½"	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

X HDPE

Y Nylon

Z PP

AA Clear PP

AB Clear PP

AC PVDF

AD Black PP

AE 316 SS

Reducing T connectors

AF HDPE

AG Nylon

AH PVDF

AI 316 SS

Y connectors

AJ HDPE

AK Nylon

AL PP

AM Clear PP

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.

See page 313.

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)

AN White PP

AO PVDF

AP 316 SS

Cross connectors

AQ Clear PP

AR 316 SS

AS Black PP

AT Nylon

NPT male threaded adapters

AU HDPE

AV Nylon

AW Black PP

AX PP

AY Clear PP

AZ PVDF

See next page for more...

Need help selecting?
Free Tech Support !

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

BO HDPE **BP** Nylon

BQ PP **BR** PVDF

BS 316 SS

NPT female threaded adapters

BT Nylon **BU** Clear PP

Press-in plugs

BW Nylon **BX** PP

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	

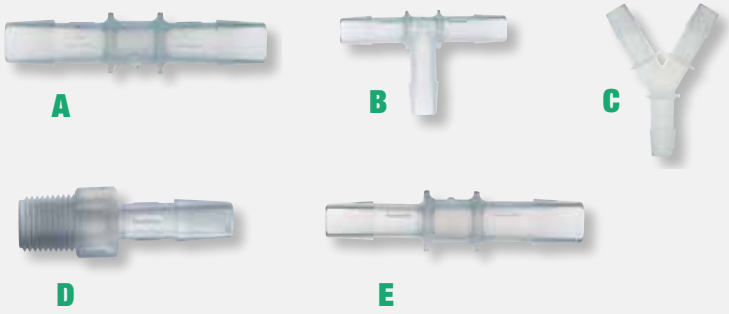
Tubing ID	Material	Key	Catalog number	Qty/ pk	Price/ pk
NPT male branch tees, NPT(M) branch x tubing ID—cont.					
1/2" x 3/4"	HDPE	BO	GY-30624-18	10	
1/2" x 3/4"	Nylon	BP	GY-30624-19	10	
1/2" x 3/4"	PP	BQ	GY-40610-83	10	
1/2" x 3/4"	PVDF	BR	GY-30704-72	10	
3/4" x 1/4"	HDPE	BO	GY-30623-86	10	
3/4" x 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® 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.**

Cole-Parmer®

FREE certificate of compliance for these fittings

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		—	

Cole-Parmer®

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.

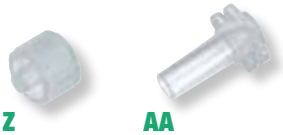
Key	Description	Polypropylene		Polycarbonate		Nylon		PVDF	
		Catalog number	Price/ pk	Catalog number	Price/ pk	Catalog number	Price/ pk	Catalog number	Price/ pk
Male luer lock x standard hose barb adapters									
R	Male luer lock x 1/16" hose barb	GY-45518-00		GY-45504-00		GY-45505-00		GY-45513-00	
	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 5/32" 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 5/32" 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 5/32" 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 5/16" 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 7/16" hex x 1/8-27 NPT thread	GY-45518-86		—		GY-45505-86		GY-45513-86	
AG	Male luer x 9/16" hex x 1/4-18 NPT thread	GY-45518-88		—		GY-45505-88		—	

R S

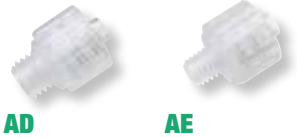
T U

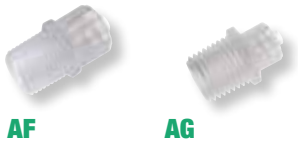
V W

X Y


Z AA

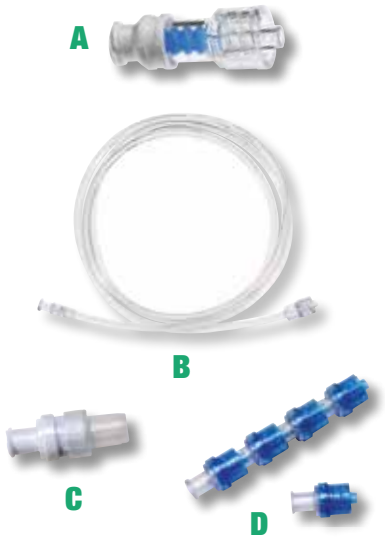
AB AC


AD AE


AF AG

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

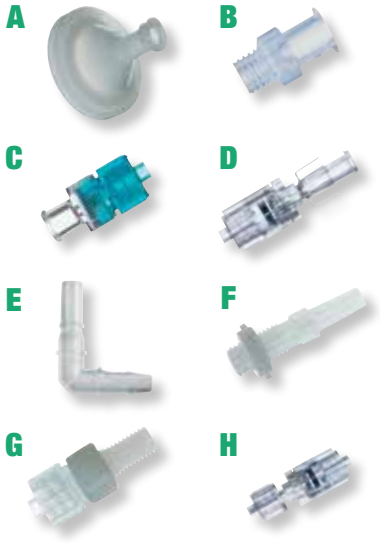


Plastic Luer Assemblies

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

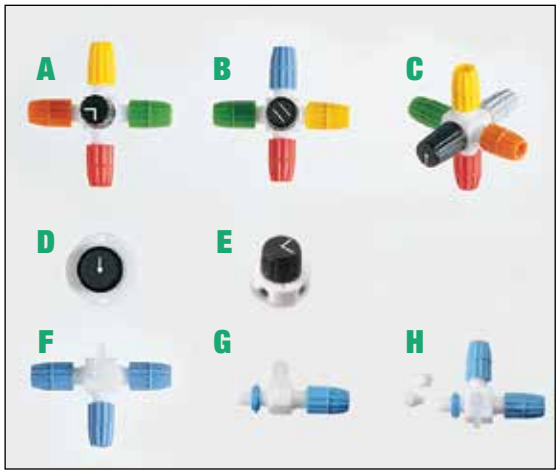
Attach with just a twist!

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 ½" mini sanitary adapter	PP	GY-31200-50	1	
	Female luer lock x ½" mini sanitary adapter	PVDF	GY-31201-50	1	
B	Female luer x ¼-28 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 ⅛" ID tubing barb	PC	GY-30505-71	10	
F	Male luer x ¼-28 UNF thread	ETFE	GY-06471-90	1	
	Male luer x ¼-28 UNF thread	PC	GY-30505-55	10	
	Male luer x 10-32 UNF thread	PC	GY-30505-65	10	
G	Male luer lock† x ¼-28 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	⅛" 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

30600-00 30600-01 30600-02 30600-03 30600-04 30600-23 30600-12

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

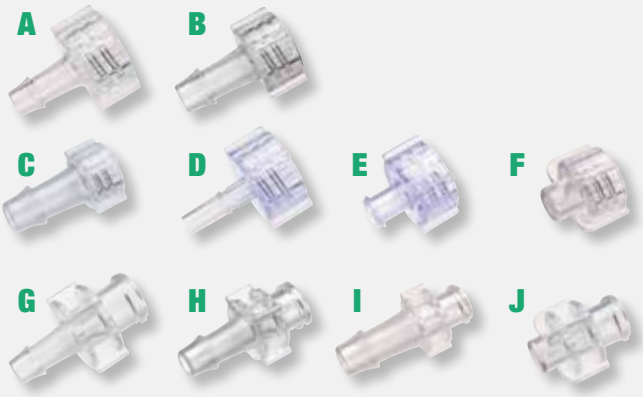
Enhance fluid flow with larger bore

Cole-Parmer®

Large-bore adapters are perfect for handling higher flow volumes in process 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.

FREE certificate of compliance for these fittings



Specifications

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	

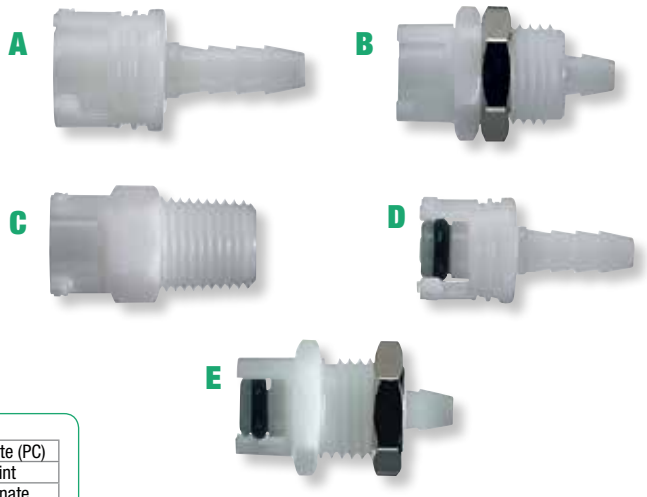
Miniature Quick-Disconnect Couplings

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" 3 mm 1/8"	0.90" 1.00" 0.90"	Acetal	GY-06363-55 GY-06363-61 GY-06363-57	
Straight-through fittings				
1/16" 3 mm 1/8"	0.75" 1.00" 0.90"	Acetal	GY-06363-54 GY-06363-59 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" 3 mm 1/8"	0.90" 1.00" 0.90"	Acetal	GY-06363-67 GY-06363-63 GY-06363-69	
Straight-through fittings				
1/16" 1/8" 1/8"	0.75" 1.00" 0.90"	Acetal	GY-06363-66 GY-06363-68 GY-06363-78	
1/16" 3 mm	0.75" 0.75"	PP PC	GY-06363-76 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" 1/8"	0.86" 0.86"	Acetal PP	GY-06363-74 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" 3 mm 1/8"	0.75" 0.80" 0.90"	Acetal	GY-06363-50 GY-06363-65 GY-06363-52	
1/8"	0.90"	Brass	GY-06363-77	
1/16" 1/8"	0.75" 0.90"	PP	GY-06363-58 GY-06363-60	
1/16" 1/8"	0.75" 0.90"	PC	GY-06363-83 GY-06363-84	

E. Panel-Mount Hose Barb Inserts

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

Hose Barb Complete Couplings (not shown)

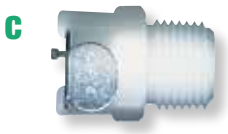
Tube ID	Length	Material	Catalog number	Price/pk of 10
Valved fittings				
1/16" 3 mm 1/8"	1.46" 1.62" 1.61"	Acetal	GY-06363-87 GY-06363-96 GY-06363-92	
Straight-through fittings				
1/16" 3 mm 1/8"	1.32" 1.62" 1.61"	Acetal	GY-06363-88 GY-06363-95 GY-06363-91	
1/16" 1/8"	1.32" 1.61"	PP	GY-06363-89 GY-06363-93	
1/16" 1/8"	1.32" 1.61"	PC	GY-06363-90 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"	11/16-24	Acetal	GY-06360-55	
5/16"	1/4"	11/16-24	Acetal	GY-06360-57	
3/8"	1/4"	11/16-24	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"	11/16-24	PP	GY-06364-55	
3/8"	1/4"	11/16-24	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"	11/16-24	Acetal	GY-06361-46	
5/16"	1/4"	11/16-24	Acetal	GY-06361-47	
3/8"	1/4"	11/16-24	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"	11/16-24	Acetal	GY-06360-49	
3/8"	1/4"	11/16-24	Acetal	GY-06360-50	
1/4"	1/8"	1/2-24	PP	GY-06364-05	
3/8"	1/4"	11/16-24	PP	GY-06364-50	
Straight-through fittings					
1/4"	1/8"	1/2-24	Acetal	GY-06361-02	
1/4"	1/4"	11/16-24	Acetal	GY-06361-44	
3/8"	1/4"	11/16-24	Acetal	GY-06361-45	

Specifications

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)

I

L

O

Q

J

M

R

P

K

N

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	
1/16"	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	
1/16"	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	
5/16"	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	

Body and insert snap together for a secure seal.

Simply press the thumb latch for quick disconnection.

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"	11/16-24	Acetal	GY-31304-70	
Straight-through fitting					
1/4"	1/4"	11/16-24	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	

High-Flow Quick-Disconnect Couplings

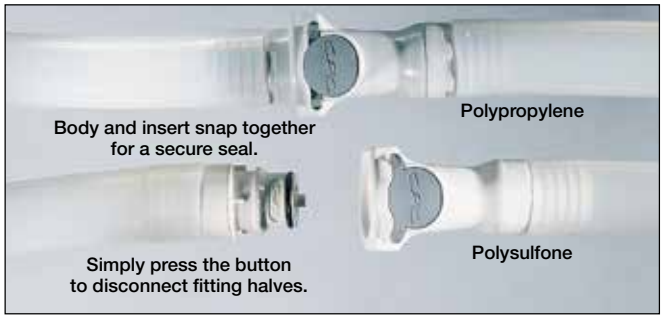
No more leaks—valved couplings automatically shut off flow

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

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



A 31303-00

D 31303-30

B 31303-10

E 31303-40

C 31303-20

F 31303-50

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					
⅜"	⅜"	GY-31303-00		GY-31307-00	
⅜"	½"	GY-31303-01		GY-31307-01	
⅜"	¾"	GY-31303-02		GY-31307-02	
Straight-through fittings					
⅜"	⅜"	GY-31303-05		GY-31307-05	
⅜"	½"	GY-31303-06		GY-31307-06	
⅜"	¾"	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					
⅜"	⅜"	GY-31303-10		GY-31307-10	
⅜"	½"	GY-31303-11		GY-31307-11	
⅜"	⅝"	GY-31303-12		GY-31307-12	
⅜"	¾"	GY-31303-13		GY-31307-13	
Straight-through fittings					
⅜"	⅜"	GY-31303-15		GY-31307-15	
⅜"	½"	GY-31303-16		GY-31307-16	
⅜"	⅝"	GY-31303-17		GY-31307-17	
⅜"	¾"	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					
⅜"	⅜"	GY-31303-20		GY-31307-20	
⅜"	½"	GY-31303-21		GY-31307-21	
⅜"	⅝"	GY-31303-22		GY-31307-22	
⅜"	¾"	GY-31303-23		GY-31307-23	
Straight-through fittings					
⅜"	⅜"	GY-31303-25		GY-31307-25	
⅜"	½"	GY-31303-26		GY-31307-26	
⅜"	⅝"	GY-31303-27		GY-31307-27	
⅜"	¾"	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					
⅜"	⅜"	GY-31303-35		GY-31307-35	
⅜"	½"	GY-31303-36		GY-31307-36	
⅜"	¾"	GY-31303-37		GY-31307-37	
Straight-through fittings					
⅜"	⅜"	GY-31303-30		GY-31307-30	
⅜"	½"	GY-31303-31		GY-31307-31	
⅜"	¾"	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					
⅜"	⅜"	GY-31303-45		GY-31307-45	
⅜"	½"	GY-31303-46		GY-31307-46	
⅜"	⅝"	GY-31303-47		GY-31307-47	
⅜"	¾"	GY-31303-48		GY-31307-48	
Straight-through fittings					
⅜"	⅜"	GY-31303-40		GY-31307-40	
⅜"	½"	GY-31303-41		GY-31307-41	
⅜"	⅝"	GY-31303-42		GY-31307-42	
⅜"	¾"	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					
⅜"	⅜"	GY-31303-55		GY-31307-55	
⅜"	½"	GY-31303-56		GY-31307-56	
Straight-through fittings					
⅜"	⅜"	GY-31303-50		GY-31307-50	
⅜"	½"	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.

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

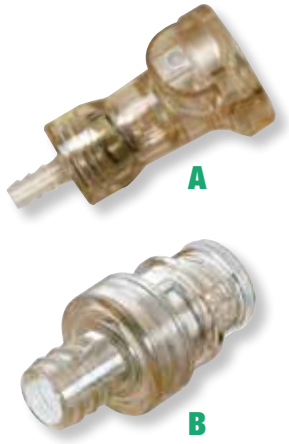
GY-31603-61 **Panel-mount gasket,** EPDM; for NS2 series
GY-31603-18 **Panel-mount gasket,** EPDM; for NS4 series
GY-31603-19 **Panel-mount gasket,** EPDM; for NS6 series

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.

SIP Steam In Place

Specifications

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

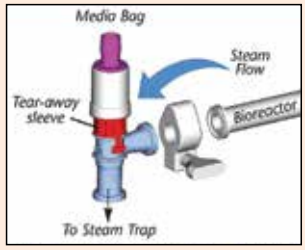
Temperature rating
Steam position: 266°F (130°C) for up to 60 min
Flow position: 39 to 104°F (4 to 40°C)

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

Teky's Tips

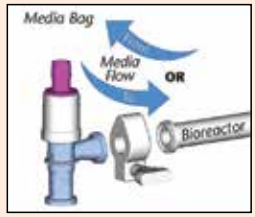
Types of Processes

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: Bioreactor	Connections: Hose barb	Sterilization methods†	Catalog number	Price
Steam-Thru connectors (single cycle)					
¾" Tri-Clamp®	¾" Tri-Clamp	½"	SIP, G	GY-31604-10	
		⅜"		GY-31604-12	
¾" Tri-Clamp	1½" Tri-Clamp	½"	SIP, G	GY-31604-14	
		⅜"		GY-31604-16	
¾" Tri-Clamp	¾" Tri-Clamp	½"	SIP, G, A	GY-31604-18	
		⅜"		GY-31604-20	
¾" Tri-Clamp	1½" Tri-Clamp	½"	SIP, G, A	GY-31604-22	
		⅜"		GY-31604-24	
Steam-Thru II (two cycle)					
¾" Tri-Clamp	¾" Tri-Clamp	½"	SIP, G	GY-31604-36	
	1½" Tri-Clamp	⅜"		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.

31604-26

31604-28

31604-34

31311-71

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

Bodies (Female Coupling Halves)

Size	Compatible	Material	Catalog number	Price
¾" sanitary	Large	PSF	GY-31604-26	
1" sanitary	Standard		GY-31604-28	

Inserts (Male Coupling Halves)

Size	Compatible	Material	Catalog number	Price
¼" tubing ID	Standard	PSF	GY-31311-71	
⅜" tubing ID			GY-31311-72	
½" tubing ID	Large		GY-31311-73	
¾" sanitary	Standard	316 SS	GY-31604-30	
1" sanitary	Large		GY-31604-32	
1½" sanitary			GY-31604-34	

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
½"	GY-31530-01	
¾"	GY-31530-02	
1"	GY-31530-03	
1½"	GY-31530-04	

B. Tees, PFA

Clamp size	Catalog number	Price
¼"	GY-31530-09	
½"	GY-31530-10	
¾"	GY-31530-11	
1"	GY-31530-12	
1½"	GY-31530-13	
2"	GY-31530-14	

C. Eccentric Reducer, PFA

Clamp size	Catalog number	Price
¾" x ½"	GY-31530-19	

D. Concentric Reducers, PFA

Clamp size	Catalog number	Price
¾" x ½"	GY-31530-27	
1" x ¾"	GY-31530-28	
1½" x 1"	GY-31530-29	
2" x 1½"	GY-31530-30	

E. End Caps, PFA

Clamp size	Catalog number	Price
¼", ½", ¾"	GY-31530-34	
1", 1½"	GY-31530-35	
2"	GY-31530-36	

F. Ferrules, PFA

Clamp size	Catalog number	Price
¼"	GY-31530-40	
½"	GY-31530-41	
¾"	GY-31530-42	
1"	GY-31530-43	
1½"	GY-31530-44	
2"	GY-31530-45	

G. Clamps, 304L SS

Clamp size	Catalog number	Price
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	

H. Clamps, Nylon

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	

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		
¼"	Polypropylene	1 9/16"	31/32"	3/16"	GY-31512-00	
⅜"		1 11/16"	31/32"	5/16"	GY-31512-01	
½"		1 13/16"	31/32"	⅜"	GY-31512-02	
¼"	PVDF	1 9/16"	31/32"	3/16"	GY-31512-03	
⅜"		1 11/16"	31/32"	5/16"	GY-31512-04	
½"		1 13/16"	31/32"	⅜"	GY-31512-05	
¼"	Polysulfone	1 9/16"	31/32"	3/16"	GY-31512-06	
⅜"		1 11/16"	31/32"	5/16"	GY-31512-07	
½"		1 13/16"	31/32"	⅜"	GY-31512-08	

Accessories

GY-30548-00 **Gasket,** silicone. Pack of 10

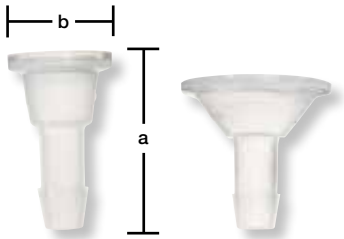
GY-31201-88 **Push/pull clamp,** PVDF

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.



31513-13 31513-16

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		
½"	⅜"	1.64"	0.98"	0.30"	GY-31513-13	
½"	½"	1.87"	0.98"	0.42"	GY-31513-14	
1½"	½"	1.64"	1.99"	0.30"	GY-31513-15	
1½"	½"	1.87"	1.99"	0.44"	GY-31513-16	

Accessories

GY-30548-00 **Gasket,** ½", platinum-cured silicone. Pack of 10
GY-30548-04 **Gasket,** 1½", platinum-cured silicone. Pack of 10
GY-31201-88 **Push/pull sanitary mini clamp,** PVDF
GY-30508-23 **Sanitary clamp,** 1½", nylon

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.

3A CIP Clean In Place SIP Steam In Place ANIMAL DERIVED INGREDIENT FREE

Size	Catalog number	Price/ea
½"	GY-30547-50	
¾"	GY-30547-52	
1"	GY-30547-54	
1½"	GY-30547-56	
2"	GY-30547-58	
2½"	GY-30547-60	

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

30548-04 30548-64 30548-44

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.

30548-24 30548-84

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

Cole-Parmer® 3A ANIMAL DERIVED INGREDIENT FREE

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
¾"	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	
1½"	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	
2½"	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

30538-68
Mesh size 60

30523-86
Mesh size 100

ANIMAL DERIVED INGREDIENT FREE

Specifications

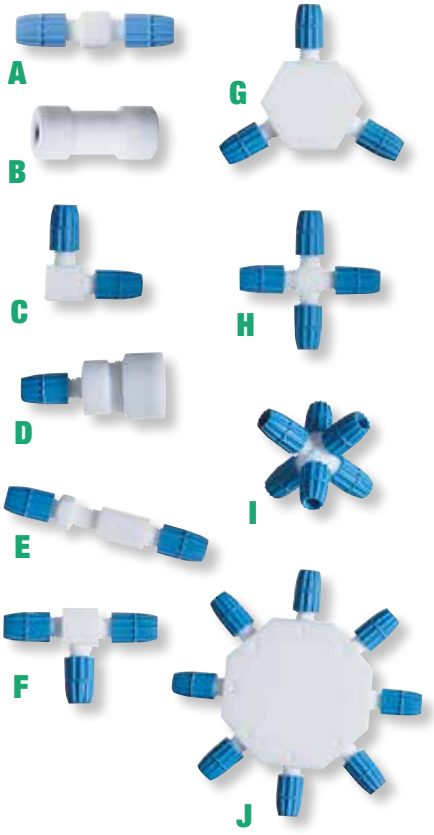
Mesh size (wires/inch)	Particle size retained	
	Microns	Inches
10	1905	0.075
20	864	0.065
40	381	0.015
60	233	0.009
100	140	0.004

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 GY-06473-01	3 20		GY-06473-10	2	
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 Red PP Orange PP	GY-06471-00 GY-06471-02 GY-06471-03	10	
Yellow PP Green PP Blue PP Violet PP	GY-06471-04 GY-06471-05 GY-06471-06 GY-06471-07	10	
Gray PP White PP Mixed PP† White Tefzel®	GY-06471-08 GY-06471-09 GY-06471-10 GY-06473-20	10	

†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" 1/8"	GY-06471-61 GY-06471-62	4	
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 Tefzel	GY-06473-50 GY-06473-55	10 10	

Tube End Fittings (¼"–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 1/16" tubing Cat. no.	For 1/8" tubing Cat. no.	Qty/pk	Price/pk
Black PP Brown PP Red PP Orange PP	GY-06471-20 GY-06471-21 GY-06471-22 GY-06471-23	GY-06471-40 GY-06471-41 GY-06471-42 GY-06471-43	10	
Green PP Blue PP Violet PP	GY-06471-25 GY-06473-40 GY-06471-27	GY-06471-45 GY-06471-46 GY-06471-47	10	
Gray PP White PP Mixed PP† White Tefzel	GY-06471-28 GY-06471-29 GY-06471-30 GY-06473-42	GY-06471-48 GY-06471-49 GY-06471-50 GY-06473-47	10	

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

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

06471-69

Grippers (¼"–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 ¼"–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 ¼"–28 UNF threaded port. For soft-wall tubing, use a gripper (sold separately).

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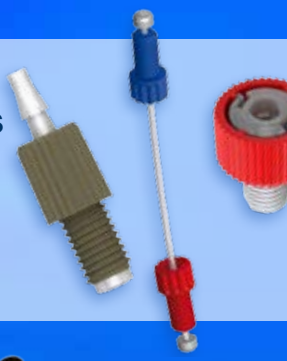

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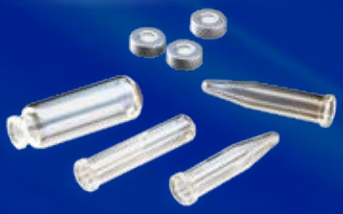

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