

OMNI-LOK™ FLANGED

Flanged (flared) tubing system for economical low-pressure connections

- Pressure rated up to 250psi (17 bar)
- For 1/16", 1/8" or 3/16" OD semi-rigid tubing, e.g. PTFE
- For flat-bottom 1/4"-28 UNF ports
- Removeable and reusable

Omni-Lok™ flanged fittings require the end of hardwall tubing to be formed into a flange (flare). A flanging washer is placed between the flange and the fitting nut. When screwed into a flat-bottom, the flange is compressed against the bottom of the port to produce a seal. Only the tubing is in the fluid path.

Omni-Lok™ flanged fitting nuts and washers permit maximum thread engagement between the port and the robust, glass-filled polypropylene fitting nuts. This ensures that the system stays sealed up to 250psi (17 bar) pressure, even in shallow PTFE ports.

PEEK™ flanging washers and nuts are designed to provide a simple, easy to use low-pressure connection for use in environments where harsh chemicals or higher temperature preclude the use of a polypropylene fitting.

Omni-Lok™ Flanged Fittings requires tubing to be flanged prior to use. We recommend our Flanging Kit for quick and easy heat-free flange forming - see page 11.

For 1/16" OD Tubing

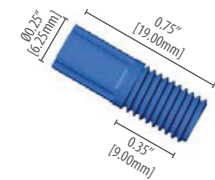
FLANGING WASHER FOR 1/16" OD TUBING

PART NUMBER	DESCRIPTION	QTY
008FW16	PP flanging washer	10 pk

The 008FW16 flanging washer can be used with all nuts listed and either 1/4•28 or M6 flat-bottom ports.

NUTS FOR 1/16" OD TUBING

PART NUMBER	MATERIAL	COLOR	THREAD	QTY
008NF16-YC5B	PP	Black	1/4•28	10pk
008NF16-YC5U	PP	Blue	1/4•28	10pk
008NF16-YC5A	PP	Gray	1/4•28	10pk
008NF16-YC5G	PP	Green	1/4•28	10pk
008NF16-YC5N	PP	Orange	1/4•28	10pk
008NF16-YC5R	PP	Red	1/4•28	10pk
008NF16-YC5H	PP	White	1/4•28	10pk
008NF16-YC5Y	PP	Yellow	1/4•28	10pk
008NF16-YC6B	PP	Black	M6	10pk



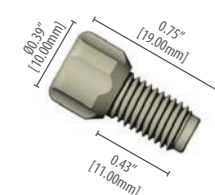
008NF16-YC5U
Nut for 1/16" OD tubing
1/4•28, blue



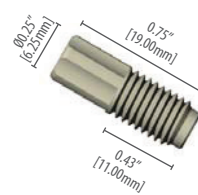
008NF16-YC6B
Nut for 1/16" OD tubing
M6, black



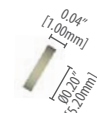
008FW16
Flanging washer
for 1/16" OD tubing



002123
PEEK™ nut for 1/16" OD tubing
1/4•28, natural

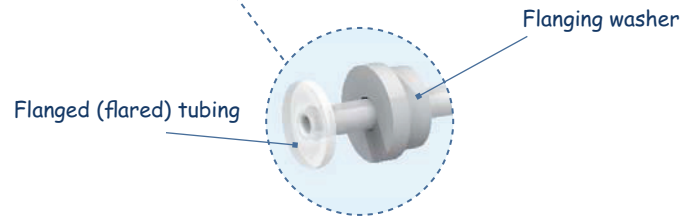
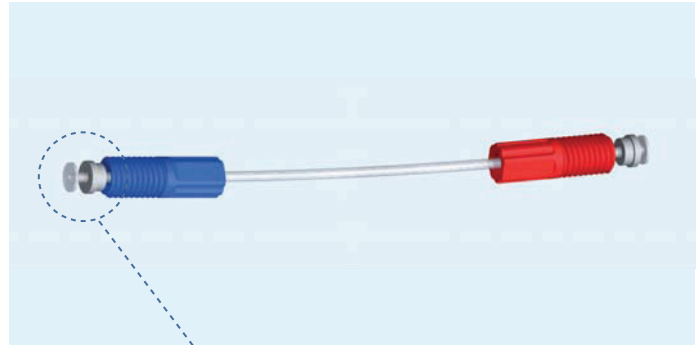


002124
Compact PEEK™ nut
for 1/16" OD tubing, 1/4•28



002123FN
PEEK™ flanging washer
for 1/16" OD tubing

SPECIFICATIONS



For 1/16" OD Tubing

FLANGING WASHER FOR 1/16" OD TUBING

PART NUMBER	DESCRIPTION	QTY
002123FN	PEEK™ flanging washer	10pk

NUTS FOR 1/16" OD TUBING

PART NUMBER	MATERIAL	COLOR	THREAD	QTY
002123	PEEK™	Natural	1/4•28	10pk
002124	PEEK™	Natural	1/4•28	10pk

For 1/8" OD Tubing

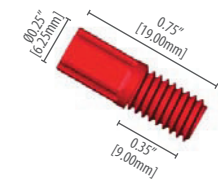
FLANGING WASHER FOR 1/8" OD TUBING

PART NUMBER	DESCRIPTION	QTY
008FW32	PP flanging washer	10pk

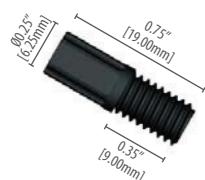
The 008FW32 flanging washer can be used with all nuts listed and either 1/4•28 or M6 flat-bottom ports.

NUTS FOR 1/8" OD TUBING

PART NUMBER	MATERIAL	COLOR	THREAD	QTY
008NF32-YC5B	PP	Black	1/4•28	10pk
008NF32-YC5U	PP	Blue	1/4•28	10pk
008NF32-YC5A	PP	Gray	1/4•28	10pk
008NF32-YC5G	PP	Green	1/4•28	10pk
008NF32-YC5N	PP	Orange	1/4•28	10pk
008NF32-YC5R	PP	Red	1/4•28	10pk
008NF32-YC5H	PP	White	1/4•28	10pk
008NF32-YC5Y	PP	Yellow	1/4•28	10pk
008NF32-YL5B	PP	Black	1/4•28	10pk
008NF32-YC6B	PP	Black	M6	10pk



008NF32-YC5R
Nut for 1/8" OD tubing
1/4•28, red



008NF32-YC6B
Nut for 1/8" OD tubing
M6, black



008FW32
Flanging washer
for 1/8" OD tubing



008NF32-YL5B
Long nut for 1/8" OD tubing,
1/4•28, black

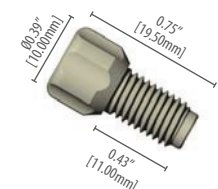
For 1/8" OD Tubing

FLANGING WASHER FOR 1/8" OD TUBING

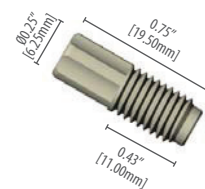
PART NUMBER	DESCRIPTION	QTY
002223FN	PEEK flanging washer	10pk

NUTS FOR 1/8" OD TUBING

PART NUMBER	MATERIAL	COLOR	THREAD	QTY
002223	PEEK	Natural	1/4•28	10pk
002224	PEEK	Natural	1/4•28	10pk



002223
PEEK™ nut for 1/8" OD tubing
1/4•28, natural



002224
Compact PEEK™ nut
for 1/8" OD tubing, 1/4•28



002223FN
PEEK™ flanging washer
for 1/8" OD tubing

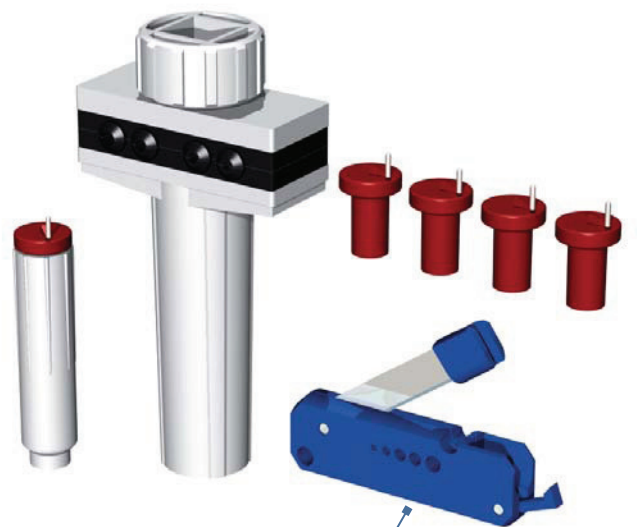
FLANGING KIT

- Quick and easy production of perfect flanges every time

The flanging kit includes the flanging tool and tips for 0.5mm, 0.8mm and 1.3mm ID tubing. The flanging tool creates a perfect flange by mechanically forming the flange without heat stressing the tube material. The flanging tool is safe to use being non-electrical and not heated, especially important with organic solvents around. Full instructions are provided with the kit.

FLANGING KIT

PART NUMBER	DESCRIPTION	QTY
007003	Flanging kit	ea
007-201536	Flanging disc with 1.3mm polymer pin	ea
007-201537	Flanging disc with 1.3mm titanium pin	ea
007-201541	Flanging disc with 0.8mm polymer pin	ea
007-201554	Flanging disc with 0.8mm titanium pin	ea
007-202235	Flanging disc with 0.5mm SS pin	ea



Tubing Cutter p/n 003062 available separately (see page 14)

TECH TIP:

Frequent connection / disconnection?

Flanges can distort over time after prolonged use or repeated connect / disconnect. This can cause leaking and may increase dead volume. Omni-Lok™ Type P and Type S offer a robust alternative to flanging with simple assembly and leak-free seals for repeated use.