

Metric Flangeless Fittings

- ▶ For 1/16", 1.8 mm, 2.0 mm, 2.5 mm, 3.0 mm, 4.0 mm, or 1/8" OD tubing
- ▶ Convenience of flangeless fittings for metric tubing sizes and M6 flat-bottom ports

Upchurch Scientific® Metric Flangeless Ferrules are designed to connect 1.8, 2.0, 2.5, 3.0, or 4.0 mm OD tubing to flat-bottom ports when paired with the appropriate M6, 1/4-28, or 5/16-24 Flangeless Nuts. We also offer M6-threaded nuts to connect 1/16" or 1/8" OD tubing, plus a tubing sleeve to facilitate 1.0 mm OD tubing connections. Please refer to the "Metric Connections" chart on this page for information regarding which nuts and ferrules to use with your tubing.



P-342
ETFE Ferrule
for 1.8 OD tubing



P-363R
ETFE Ferrule
for 2.0 mm OD tubing



P-353
ETFE Ferrule
for 2.5 mm OD tubing

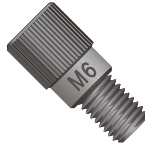


P-343
ETFE Ferrule
for 3.0 mm OD tubing



P-344
ETFE Ferrule
for 4.0 mm OD tubing

NEW!



P-207
Delrin® Nut
for 1/16" OD tubing



P-347
PEEK Nut
for 1.8, 2.0, 3.0 mm or
1/8" OD tubing

Please see page 24 for the dimensions of the products on this page.

TIP METRIC CONNECTIONS

Use this chart to determine the low pressure fittings needed to connect metric and English-sized tubing into the indicated ports.

Tubing Size	Port	Ferrules	Nuts
1.0 mm	M6	P-200 (w/F-252 sleeve, not included)	P-207, P-207S, P-247
	1/4-28	P-200 (w/F-252 sleeve, not included)	Any 1/4-28 nut from page 25 ¹
1.8 mm	M6	P-342	P-307, P-307S, P-347
	1/4-28	P-342	Any nut from page 26 ¹
2.0 mm	M6	P-363R	P-307, P-307S, P-347
	1/4-28	P-363R	Any nut from page 26
2.5 mm	M6	P-353	P-307, P-307S, P-347
	1/4-28	P-353	Any nut from page 26 ¹
3.0 mm	M6	P-343	P-307, P-307S, P-347
	1/4-28	P-343	Any nut from page 26 ¹
4.0 mm	5/16-24	P-344	XP-132x from page 30
1/16"	M6	P-200	P-207, P-207S, P-247, P-931,
	M6	P-840	page 28
1/8"	M6	P-300	P-307, P-307S, P-347, P-945,
	M6	P-940	page 28

¹ To order 1/4-28 threaded Flangeless Nuts separately from the Flangeless Ferrules, simply remove the preceding "X" from the appropriate part number — for example, order P-301x instead of XP-301x.

RELATED PRODUCTS

More Metric-Sized Products

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High Pressure Polymer Fittings	9, 12
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Luer Adapters	56
Metric Threaded Adapters	51
External NPT Adapters	52
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Plugs and Caps	172
Low Pressure Unions	40
Bulkhead Unions	41
PEEK (1.8 mm OD and Capillary) and Fused Silica Tubing	65
PEEKsil™ Tubing	66
FEP Tubing (1.0–4.0 mm OD) and PFA Capillary Tubing	71
Frit-In-A-Ferrule™	166

In addition, many of our 1/4-28 threaded Filters, Valves and Flow Control Accessories can be converted to accept 1.8, 2.0, 2.5 and 3.0 mm tubing, using the ferrules listed for 1/4-28 ports in the "Metric Connections" table, this page.

Part No.	Description	Port	Pressure Rating	Head Style	Material	Qty.
METRIC FLANGELESS NUTS						
P-207x	Flangeless Nut for 1/16" OD Tubing	M6 Flat-Bottom	2,000 psi (138 bar)	Standard Knurl	Delrin Black	10-pk
P-207Sx	Flangeless Nut for 1/16" OD Tubing, Short	M6 Flat-Bottom	2,000 psi (138 bar)	Standard Knurl	Delrin Black	10-pk
P-247x	Flangeless Nut for 1/16" OD Tubing, Short	M6 Flat-Bottom	2,000 psi (138 bar)	Standard Knurl	PEEK Black	10-pk
P-307x	Flangeless Nut for 1.8 mm, 2.0 mm, 3.0 mm, 1/8" OD Tubing	M6 Flat-Bottom	500 psi (34 bar)	Standard Knurl	Delrin Black	10-pk
P-307Sx	Flangeless Nut for 1.8 mm, 2.0 mm, 3.0 mm, 1/8" OD Tubing	M6 Flat-Bottom	500 psi (34 bar)	Standard Knurl	Delrin Black	10-pk
P-347x	Flangeless Nut for 1.8 mm, 2.0 mm, 3.0 mm, 1/8" OD Tubing	M6 Flat-Bottom	500 psi (34 bar)	Standard Knurl	PEEK Black	10-pk
FLANGELESS FERRULES						
F-252x	1/16" OD Tubing Sleeve for 1.0 mm ID Tubing	M6 or 1/4-28 Flat-Bottom	500 psi (34 bar)	—	FEP Purple	10-pk
★ P-200x	Flangeless Ferrule for 1/16" OD Tubing	M6 or 1/4-28 Flat-Bottom	2,000 psi (138 bar)	—	ETFE Blue	10-pk
★ P-300x	Flangeless Ferrule for 1/8" OD Tubing	M6 or 1/4-28 Flat-Bottom	500 psi (34 bar)	—	ETFE Yellow	10-pk
★ P-342x	Flangeless Ferrule for 1.8 mm OD Tubing	M6 or 1/4-28 Flat-Bottom	500 psi (34 bar)	—	ETFE Green	10-pk
P-343x	Flangeless Ferrule for 3.0 mm OD Tubing	M6 or 1/4-28 Flat-Bottom	500 psi (34 bar)	—	ETFE Orange	10-pk
NEW! P-344x	Flangeless Ferrule for 4.0 mm OD Tubing	5/16-24	250 psi (17 bar)	—	ETFE Natural	10-pk
P-353x	Flangeless Ferrule for 2.5 mm OD Tubing	M6 or 1/4-28 Flat-Bottom	500 psi (34 bar)	—	ETFE Natural	10-pk
P-363Rx	Flangeless Ferrule for 2.0 mm OD Tubing	M6 or 1/4-28 Flat-Bottom	500 psi (34 bar)	—	ETFE Red	10-pk