



MicroTight® Fittings

- › Comprehensive Fitting System for Connecting Capillary Tubing
- › Made from PEEK Polymer

MicroTight® One-Piece Fittings are designed for use with the NanoPort™ and MicroTight Unions, Adapters and Inline MicroFilters. Specifically made for 360 µm OD tubing, 1/32" OD tubing, or our MicroTight Tubing Sleeves (see page 52), these fittings make superior fingertight connections with capillary tubing. MicroTight Fittings withstand temperatures up to 125 °C.

The MicroTight family also includes a female nut matched with one of five dedicated ferrules for connecting specific tubing ODs.

Use the P-277 Extender Tool to tighten standard micro knurl 6-32 fittings in hard-to-reach places. Tighten micro headless 6-32 fittings with our N-290 Tool. See page 50 for more information.



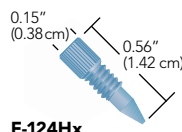
NOTE

MicroTight fittings and MicroFerrules

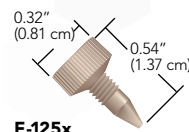
While the MicroTight Female Nuts may be used with any of the separate MicroFerrules, the MicroFerrules themselves are port-specific and are thus not interchangeable. Additionally, the one-piece MicroTight fittings are also port-specific and should not be exchanged.



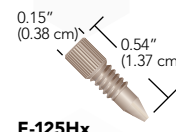
F-1245x
Standard Head Fitting
for use with
360 µm OD tubing



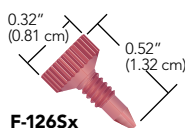
F-124Hx
Headless Fitting
for use with
360 µm OD tubing



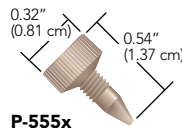
F-125x
Standard Head Fitting
for use with
MicroTight Sleeves



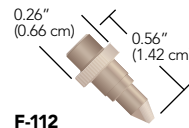
F-125Hx
Headless Fitting
for use with
MicroTight Sleeves



F-1265x
Standard Head Fitting
for use with 1/32" OD tubing



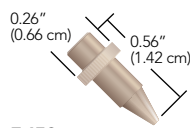
P-555x
Standard Head Plug



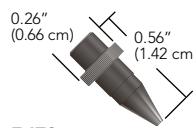
F-112
MicroFerrule for
1/32" OD tubing



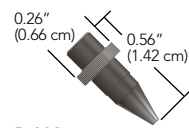
F-132
MicroFerrule for
1/16" OD tubing



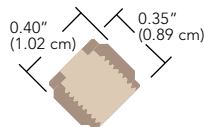
F-152
MicroFerrule for
360 µm OD tubing



F-172
MicroFerrule for
0.025" OD tubing



P-116
MicroFerrule Plug



P-416
Female Nut
5/16-24 internal threads



P-416BLK
Female Nut
5/16-24 internal threads



P-416G
Female Nut
5/16-24 internal threads



RELATED PRODUCTS

- › Connectors for Capillary Tubing can be found on page 75.
- › Very High Pressure fittings for capillary tubing can be found on page 58.
- › Capillary tubing is featured on page 16.

Part No.	Description	Port	Pressure Rating	Head Style	Material	Qty.
MICROTIGHT FITTINGS						
F-124Hx	MicroTight Fitting for 360 µm OD Tubing	6-32 Coned	5,000 psi (345 bar)	Micro Headless Knurl	PEEK Blue	10-pk
F-1245x	MicroTight Fitting for 360 µm OD Tubing	6-32 Coned	5,000 psi (345 bar)	Standard Micro Knurl	PEEK Blue	10-pk
F-125Hx	MicroTight Fitting for MicroTight Tubing Sleeves	6-32 Coned	4,000 psi (276 bar)	Micro Headless Knurl	PEEK Natural	10-pk
F-125x	MicroTight Fitting for MicroTight Tubing Sleeves	6-32 Coned	4,000 psi (276 bar)	Standard Micro Knurl	PEEK Natural	10-pk
F-1265x	MicroTight Fitting for 1/32" OD Tubing	6-32 Coned	5,000 psi (345 bar)	Standard Micro Knurl	PEEK Red	10-pk
P-555x	MicroTight Plug	6-32 Coned	5,000 psi (345 bar)	Standard Micro Knurl	PEEK Natural	10-pk
MICROFERRULES AND FEMALE NUTS						
F-112	MicroFerrule for 1/32" OD Tubing	5/16-24 Coned	5,000 psi (345 bar)	—	PEEK Natural	ea.
F-132	MicroFerrule for 1/16" OD Tubing	5/16-24 Coned	5,000 psi (345 bar)	—	PEEK Natural	ea.
F-152	MicroFerrule for 360 µm OD Tubing	5/16-24 Coned	5,000 psi (345 bar)	—	PEEK Natural	ea.
F-152BLK	MicroFerrule for 360 µm OD Tubing	5/16-24 Coned	5,000 psi (345 bar)	—	PEEK Black	ea.
F-172	MicroFerrule for MicroTight Tubing Sleeves	5/16-24 Coned	4,000 psi (276 bar)	—	PEEK Black	ea.
P-116	MicroFerrule Plug	5/16-24 Coned	5,000 psi (345 bar)	—	PEEK Black	ea.
P-416	MicroTight Female Nut	5/16-24 Coned	4,000–5,000 psi (276–345 bar)	Female Knurl	PEEK Natural	ea.
P-416BLK	MicroTight Female Nut	5/16-24 Coned	4,000–5,000 psi (276–345 bar)	Female Knurl	PEEK Black	ea.
P-416G	MicroTight Female Nut	5/16-24 Coned	4,000–5,000 psi (276–345 bar)	Female Knurl	PEEK Green	ea.