

EXP and EXP2 Fittings

Reusable Fittings for Easy, Reliable
HPLC & UHPLC Connections

- Can be installed repeatedly without compromising high-pressure seal.
- Non-swaged ferrules mean vendor-specific tubing is not required.
- Precision design provides zero-dead-volume (ZDV) connection to any 10-32 female port.



EXP and EXP2 Fittings

Reusable Fittings for Easy, Reliable HPLC & UHPLC Connections for 10-32 Fittings and 1/16" Tubing

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Restek is pleased to offer reusable EXP and EXP2 fittings from Optimize Technologies for the ultimate in easy, reliable LC connections. The innovative design combines the durability of titanium with the sealing capability of PEEK material, creating a fitting that can be reinstalled over and over again. The ferrule does not permanently swage to the tubing, so multiple connections can be made, and the tubing can be adjusted to different port depths. Whether you want the simplicity of a basic, hand-tight seal or the convenience of an integrated ferrule and driver, EXP and EXP2 fittings are available in a wide range of styles to suit your needs.

Fitting	Seal (psi)	Ferrule	Tubing Compatibility	Benefits
EXP Hand Tight	• 8700+ by hand • 20,000+ with wrenches	Separate	• Stainless steel • PEEK	• Flexible use design; tighten by hand or with wrenches.
EXP Hex Head	20,000+ with wrenches	Separate	• Stainless steel • PEEK	• Compact design; good for tight spaces.
EXP2	20,000+ with EXP2 driver	Separate	• Stainless steel • PEEK	• Compact design; good for tight spaces. • Installs easily with EXP2 driver; no wrenches needed.
EXP2 TI-LOK All-in-One (AIO)	18,000+ with built-in driver	Integrated	• Stainless steel • PEEK • PEEKsil • Hastelloy C • Fused silica	• Convenient design features built-in driver. • Installs easily with built-in driver; no wrenches needed. • One-piece, integrated design means no lost ferrules.

Which fitting do I choose?

At what pressure are you operating?

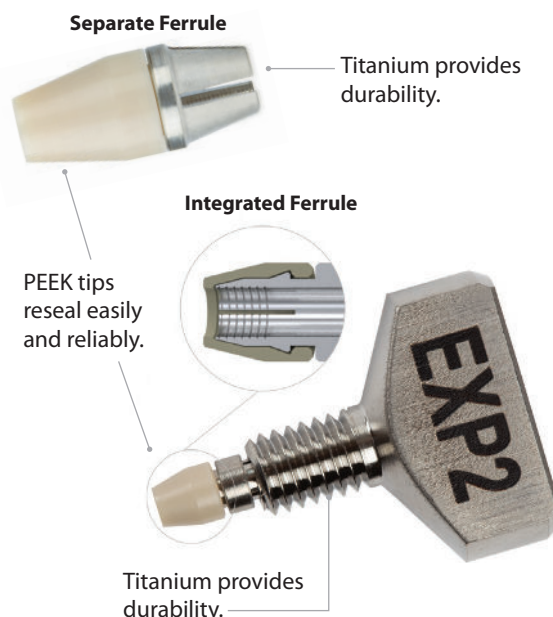
For standard and intermediate HPLC (up to 600 bar), we recommend using an EXP hand-tight nut. No wrench or driver is required, and you can achieve an 8700+ psi connection by hand. For UHPLC, choose an EXP2 TI-LOK AIO fitting with a built-in driver or a standard EXP2 fitting with a separate driver for easy, wrench-free, extreme high-pressure connections.

What tubing are you using?

All EXP and EXP2 fittings offered by Restek accommodate 1/16" stainless-steel and PEEK tubing. If you are using another type of tubing, you should use an EXP2 TI-LOK AIO fitting because they are compatible with all tubing materials (PEEK, PEEKsil, Hastelloy C, stainless steel, and fused silica).

Are there space limitations?

Tight oven compartments and six-port injection valves might not easily accommodate the larger EXP hand-tight nut or EXP2 TI-LOK AIO fitting with its built-in driver. EXP2 fittings have slimmer profiles, making them ideal for tight spaces even if you are not operating at UHPLC pressures. Alternately, three different lengths of EXP hex-head fittings staggered around a six-port injection valve install and remove easily without hurting your knuckles.

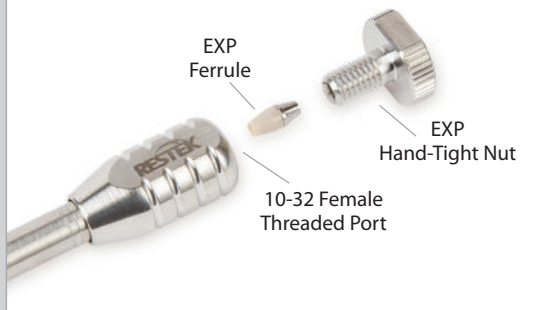


A Wide Range of Fitting Styles for Performance and Convenience

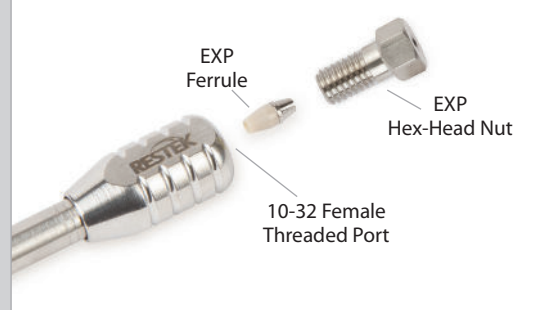
EXP Fittings (Hand Tight and Hex Head)

- Hand-tight fitting style achieves effortless HPLC seals—no tools needed for an 8700+ psi (600+ bar) seal.
- Both hand-tight and hex-head styles wrench tighten for reliable UHPLC use up to 20,000+ psi (1400+ bar).

EXP Hand-Tight Fitting



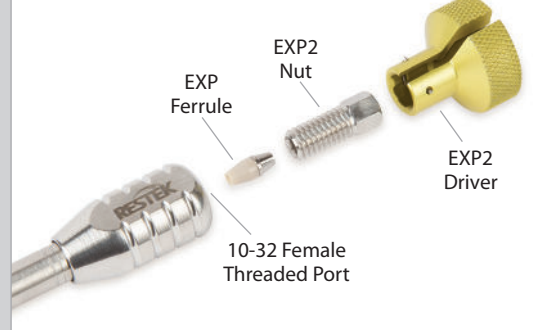
EXP Hex-Head Fitting



EXP2 Fittings

- Unique nut driver allows easy 20,000+ psi (1400+ bar) seals without wrenches.
- Compact design fits in tight spaces; perfect for small oven compartments and six-port injection valves.

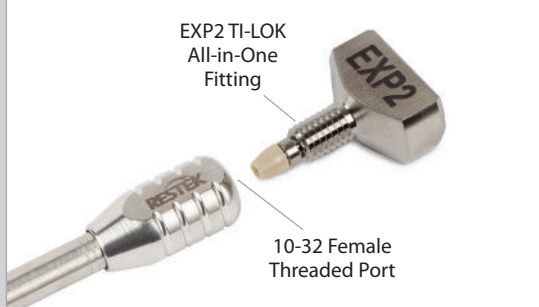
EXP2 Fitting



EXP2 TI-LOK All-in-One (AIO) Fittings

- Allows easy 18,000+ psi (1250+ bar) seals without wrenches.
- Titanium nut with integrated PEEK ferrule simplifies installation—one-piece design means no more lost ferrules.
- Convenient, built-in driver makes secure installations quick and easy.

EXP2 TI-LOK All-in-One (AIO) Fitting



EXP and EXP2 Reusable Fittings for HPLC and UHPLC



25745

EXP2 TI-LOK All-in-One (AIO) Reusable Fittings

Description	qty.	cat.#
EXP2 TI-LOK All-in-One (AIO) Hand-Tight Fitting with Integral Ferrule (includes built-in driver)	ea.	25745
	10-pk.	25746



25937

EXP Hand-Tight Fittings

Description	qty.	cat.#
EXP Hand-Tight Fitting (nut w/ferrule)	ea.	25937
	10-pk.	25938



25927

EXP Hex-Head Fittings

Description	qty.	cat.#
EXP Std. Hex-Head Fitting (nut w/ferrule)	ea.	25926
	10-pk.	25927
EXP Short Hex-Head Fitting (nut w/ferrule)	ea.	25928
	10-pk.	25929
EXP Long Hex-Head Fitting (nut w/ferrule)	ea.	25930
	10-pk.	25931



25940

EXP Hand-Tight Coupler

Description	qty.	cat.#
EXP Hand-Tight Coupler (2 nuts, 2 ferrules, 1/16" x 0.005" ID tubing)	ea.	25940



25935

EXP Titanium Hybrid Replacement Ferrules

Description	qty.	cat.#
EXP Titanium Hybrid Ferrule	ea.	25935
	10-pk.	25936



25783

EXP2 Reusable Fittings

Description	qty.	cat.#
EXP2 Fitting (2 nuts, 2 ferrules, 1 driver)	2-pk.	25783
EXP2 Fitting (10 nuts, 10 ferrules, 1 driver)	10-pk.	25784
EXP2 Driver (driver only)	ea.	25785

WARNING: Do not use EXP ferrules with standard nuts. Failure to use EXP fittings according to the included instructions may result in unsafe UHPLC connections and/or non-ZDV connections.

Intellectual Property: optimizetech.com/patents

Learn more at www.restek.com/EXP

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Pure Chromatography

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