

# SecurityLink ET Column Connector

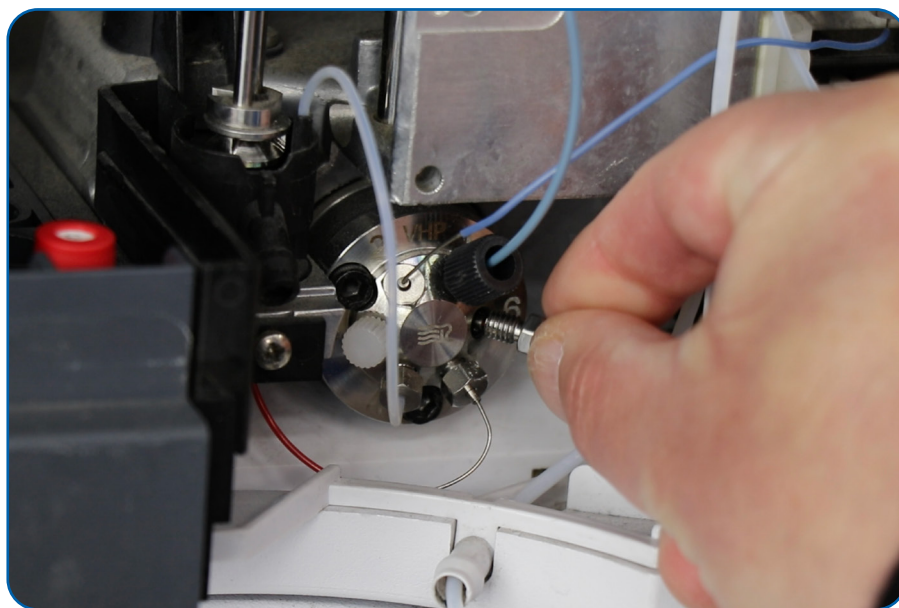
## Optimized Compact Connections for Precise LC and Low Flow Separations

- Small footprint for better compatibility with HPLC/UHPLC systems
- Zero dead-volume connection
- Improved chromatographic results
- Easy and secure installation



# SecurityLINK ET LC Column Connector

- Sealing technology allows the fitting to self-adjust to almost any column inlet and instrument port ensuring a zero dead-volume for superior chromatographic results
- Torque-limiting technology, with haptic 'click', prevents system and column port damage
- UHPLC and HPLC compatibility: pressure rated up to 19,000 psi (1,310 bar). See table in page 5
- Smaller design and external tool provides easy installation in tight spaces



## Color Labeling for Easy Identification

SecurityLINK ET connectors are color coded to identify the connector's manufactured material -PEEKsil or stainless steel - and its internal diameter (ID), which makes it easier to find them around the lab.

| Label Color | Material        | Internal dimension (ID) |
|-------------|-----------------|-------------------------|
| Red         | PEEKsil         | All IDs                 |
| Green       | Stainless Steel | 100 $\mu$ m             |
| Purple      | Stainless Steel | 125 $\mu$ m             |
| Blue        | Stainless Steel | 254 $\mu$ m             |



## Torque Limiting Tool for Leak-free and Precise Connectivity

SecurityLINK ET LC column connector is designed to easily fit in 'hard-to-reach' places of your system.

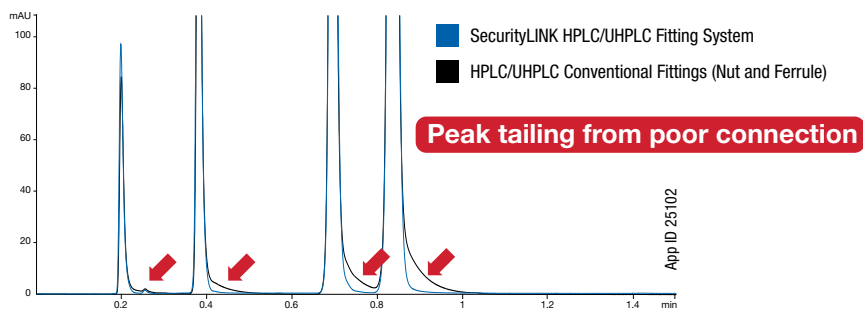
An external patent-pending tightening tool, featuring a sensorial click torque limiting technology, secures the connector to the system providing a high precision connection preventing port damage, peak tailing, leakage, and other performance issues during analysis that could ruin chromatography results.



# Eliminate Connection Flaws

Manual installation of nuts and ferrules leads to peak tailing and leakages due to bad cuts, poor fitting, and poor connectivity. It can also result in column damage if overtighten.

SecurityLINK ET is designed to eliminate connectivity flaws and column damage due to faulty installation. It allows zero dead-volume connections every time while preventing carryovers, band broadening, and peak tailing.



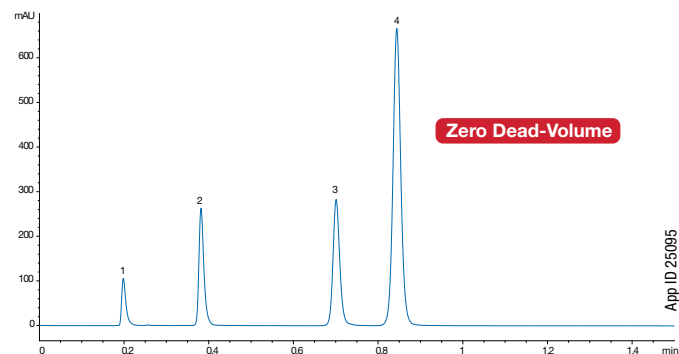
## Conditions

Column: Luna™ Omega 1.6 µm C18  
Dimensions: 50 x 2.1 mm  
Part No.: [00B-4742-AN](#)  
SecurityLINK Part No.: [AJ1-1421](#)  
Mobile Phase: Water / Acetonitrile (35:65)  
Flow Rate: 0.5 mL/min  
Injection Volume: 0.2 µL  
Temperature: 25 °C  
Detection: UV @ 254 nm  
Sample:  
1. Uracil  
2. Acetophenone  
3. Toluene  
4. Naphthalene

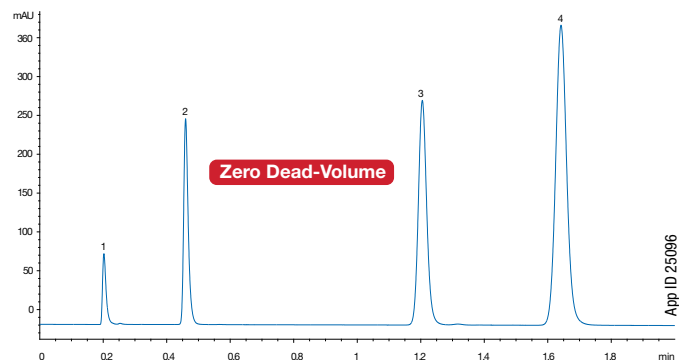
## Column Compatibility

SecurityLINK ET is compatible with most LC columns and systems available in the market.

### Phenomenex Luna Omega 1.6 µm C18 50 x 2.1 mm



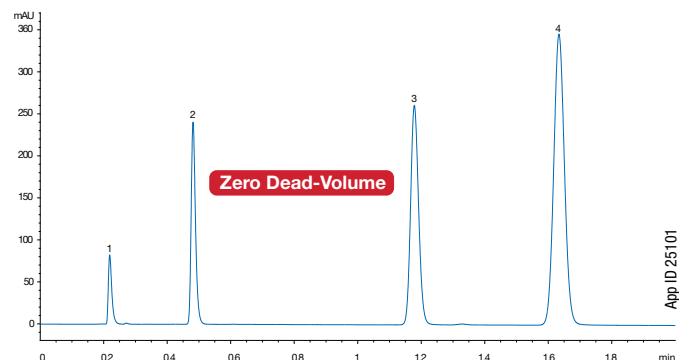
### Agilent® ZORBAX® Eclipse Plus 1.8 µm C18 RRHD 50 x 2.1 mm



## Conditions for all columns:

Column: Luna Omega 1.6 µm C18  
ACQUITY BEH 1.7 µm C18  
ZORBAX Eclipse Plus 1.8 µm C18 RRHD  
Dimensions: 50 x 2.1 mm  
SecurityLINK Part No.: [AJ1-1421](#)  
Mobile Phase: Water/Acetonitrile (35:65)  
Flow Rate: 0.5 mL/min  
Injection Volume: 0.2 µL  
Temperature: 25 °C  
Detection: UV @ 254 nm  
Sample:  
1. Uracil  
2. Acetophenone  
3. Toluene  
4. Naphthalene

### Waters® ACQUITY® UPLC® BEH 1.7 µm C18 50 x 2.1 mm

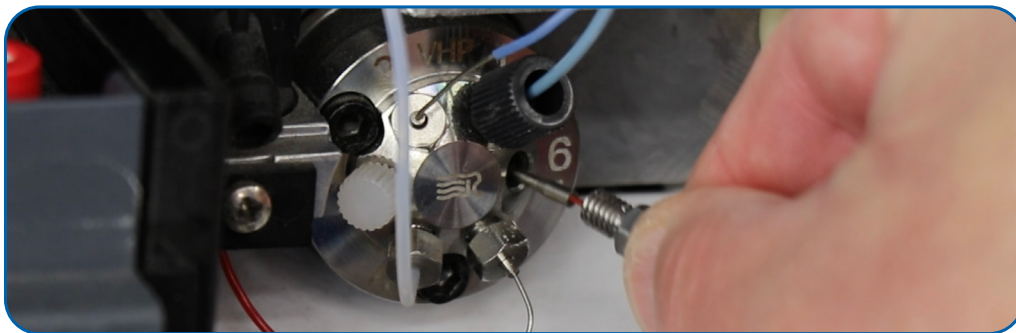


Comparative separations may not be representative of all applications.

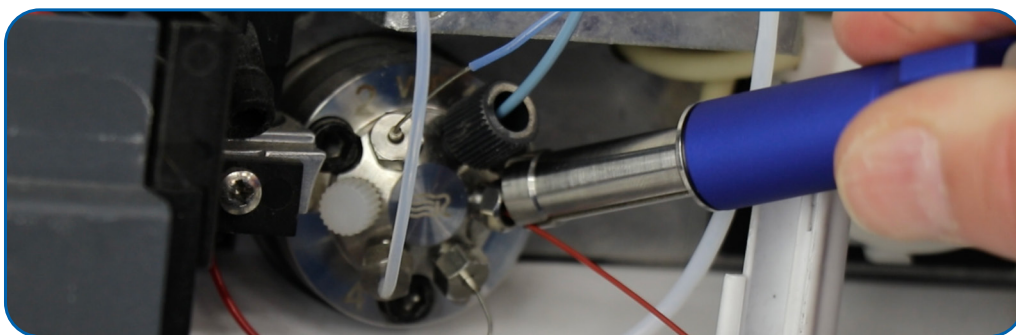


# How to Install

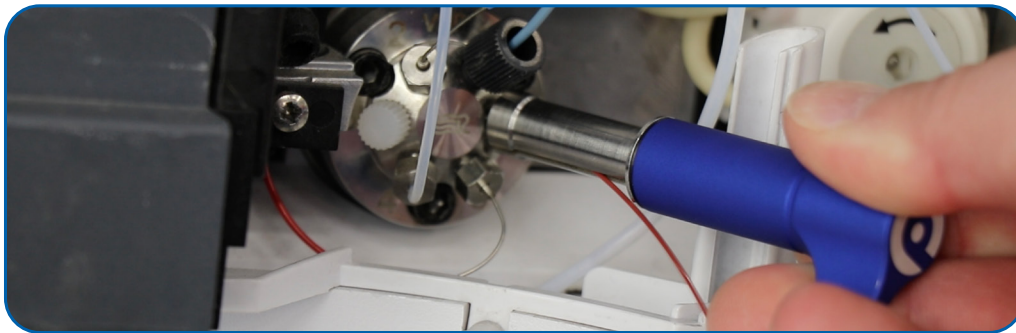
- 1 Insert SecurityLINK ET column connector into the column port or LC System



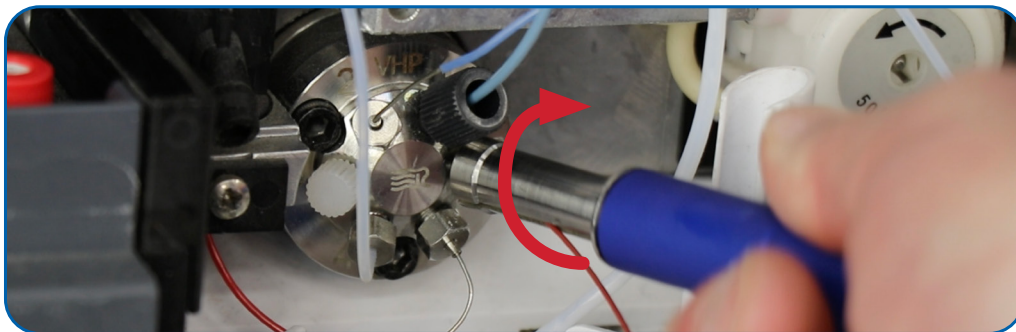
- 2 Use the torque tool to affix the connector to the port. Align the tool slit with the connector's tubing



- 3 Slide the tool toward the connector's fitting



- 4 Turn the tool until you feel a 'click'



## Tip

The "CLICK" feedback indicates the SecurityLINK connection is secure. Only one click is needed to ensure a leak free connection!

# SecurityLINK ET

## Technical Specifications

| Tubing Material          | PEEKsil                                                                                                           | Stainless Steel                                         |
|--------------------------|-------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|
| # of uses                | 100                                                                                                               | 100                                                     |
| Fitting compatibility    | Tip seal connection: 1/16" with 10-32 threaded fittings                                                           | Tip seal connection: 1/16" with 10-32 threaded fittings |
| ID range                 | 25-75 µm      100-125 µm                                                                                          | 100-125 µm      254 µm                                  |
| Pressure Rating          | 20,000 psi      19,000 psi                                                                                        | 19,000 psi      10,000 psi                              |
| Temperature Limit        | 80 °C                                                                                                             | 80 °C                                                   |
| Biocompatible            | Yes                                                                                                               | No                                                      |
| Tubing bend radius limit | 13 mm (0.5") radius without damage                                                                                | 6.3 mm (0.25") radius without damage                    |
| Solvent compatibility    | There is a small piece of PEEK at the end of each SecurityLINK ET fittings. Compatible with most organic solvent. |                                                         |

For specific pH inquiries and product details contact our technical experts via live chat at [www.Phenomenex.com/chat](http://www.Phenomenex.com/chat)

## Ordering Information

|                                                                                                                                                                             | Part No.                      | Description                       | Specifications                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-----------------------------------|------------------------------------------|
| <p>Color coding identifies the connector's material and its internal diameter (ID).</p>  | <b>PEEKsil Tubing</b>         |                                   |                                          |
|                                                                                                                                                                             | <a href="#">AJ2-2224</a>      | SecurityLINK ET PEEKsil 50 µm ID  | 150 mm Length with single 10-32 Fitting  |
|                                                                                                                                                                             | <a href="#">AJ2-22A4</a>      | SecurityLINK ET PEEKsil 50 µm ID  | 1000 mm Length with single 10-32 Fitting |
|                                                                                                                                                                             | <a href="#">AJ2-2411</a>      | SecurityLINK ET PEEKsil 100 µm ID | 100 mm Length with 10-32 Fittings        |
|                                                                                                                                                                             | <a href="#">AJ2-2421</a>      | SecurityLINK ET PEEKsil 100 µm ID | 150 mm Length with 10-32 Fittings        |
|                                                                                                                                                                             | <a href="#">AJ2-2441</a>      | SecurityLINK ET PEEKsil 100 µm ID | 250 mm Length with 10-32 Fittings        |
|                                                                                                                                                                             | <a href="#">AJ2-2461</a>      | SecurityLINK ET PEEKsil 100 µm ID | 350 mm Length with 10-32 Fittings        |
|                                                                                                                                                                             | <a href="#">AJ2-2471</a>      | SecurityLINK ET PEEKsil 100 µm ID | 500 mm Length with 10-32 Fittings        |
|                                                                                                                                                                             | <a href="#">AJ2-24A1</a>      | SecurityLINK ET PEEKsil 100 µm ID | 1000 mm Length with 10-32 Fittings       |
|                                                                                                                                                                             | <b>Stainless Steel Tubing</b> |                                   |                                          |
|                                                                                                                                                                             | <a href="#">AJ2-1411</a>      | SecurityLINK ET SS 100 µm ID      | 100 mm Length with 10-32 Fittings        |
|                                                                                                                                                                             | <a href="#">AJ2-1421</a>      | SecurityLINK ET SS 100 µm ID      | 150 mm Length with 10-32 Fittings        |
|                                                                                                                                                                             | <a href="#">AJ2-1441</a>      | SecurityLINK ET SS 100 µm ID      | 250 mm Length with 10-32 Fittings        |
|                                                                                                                                                                             | <a href="#">AJ2-1461</a>      | SecurityLINK ET SS 100 µm ID      | 350 mm Length with 10-32 Fittings        |
|                                                                                                                                                                             | <a href="#">AJ2-1471</a>      | SecurityLINK ET SS 100 µm ID      | 500 mm Length with 10-32 Fittings        |
|                                                                                                                                                                             | <a href="#">AJ2-1481</a>      | SecurityLINK ET SS 100 µm ID      | 600 mm Length with 10-32 Fittings        |
|                                                                                                                                                                             | <a href="#">AJ2-14A1</a>      | SecurityLINK ET SS 100 µm ID      | 1000 mm Length with 10-32 Fittings       |
|                                                                                                                                                                             | <a href="#">AJ2-1521</a>      | SecurityLINK ET SS 125 µm ID      | 150 mm Length with 10-32 Fittings        |
|                                                                                                                                                                             | <a href="#">AJ2-1541</a>      | SecurityLINK ET SS 125 µm ID      | 250 mm Length with 10-32 Fittings        |
|                                                                                                                                                                             | <a href="#">AJ2-1561</a>      | SecurityLINK ET SS 125 µm ID      | 350 mm Length with 10-32 Fittings        |
|                                                                                                                                                                             | <a href="#">AJ2-1571</a>      | SecurityLINK ET SS 125 µm ID      | 500 mm Length with 10-32 Fittings        |
|                                                                                                                                                                             | <a href="#">AJ2-1581</a>      | SecurityLINK ET SS 125 µm ID      | 600 mm Length with 10-32 Fittings        |
|                                                                                                                                                                             | <a href="#">AJ2-15A1</a>      | SecurityLINK ET SS 125 µm ID      | 1000 mm Length with 10-32 Fittings       |
|                                                                                                                                                                             | <a href="#">AJ2-1621</a>      | SecurityLINK ET SS 254 µm ID      | 150 mm Length with 10-32 Fittings        |
|                                                                                                                                                                             | <a href="#">AJ2-1641</a>      | SecurityLINK ET SS 254 µm ID      | 250 mm Length with 10-32 Fittings        |
|                                                                                                                                                                             | <a href="#">AJ2-1661</a>      | SecurityLINK ET SS 254 µm ID      | 350 mm Length with 10-32 Fittings        |
|                                                                                                                                                                             | <a href="#">AJ2-1671</a>      | SecurityLINK ET SS 254 µm ID      | 500 mm Length with 10-32 Fittings        |
|                                                                                          | <a href="#">AJ2-9000</a>      | Tightening Tool with holder       |                                          |

# Protection Solutions for Your HPLC/UHPLC System and Columns

## SecurityCAP Mobile Phase and Solvent Waste Safety Cap



- **Promotes Health and Worker Safety**  
Solvent vapors and gasses are restricted to their containers
- **Protects HPLC / UHPLC Results**  
Eliminates dust and other air contaminants from testing results
- **Confidence During Quality and Safety Audits**  
Eliminate aluminum foil or Parafilm® covering solvent bottles

## SecurityGuard ULTRA Guard Cartridge System



**With SecurityGuard ULTRA, you will experience:**

- Increased UHPLC column lifetime
- Better column performance
- More reproducible chromatography
- Fewer wasted columns

**Find out more about column protection, [click here](#)**

## Explore our Micro LC Columns



**Core-Shell**  
Kinetex™ Biphenyl  
Kinetex C18  
Kinetex EVO C18  
Kinetex F5  
Kinetex XB-C18



**Thermally Modified Fully Porous**  
Luna™ Omega Polar C18  
Luna Omega PS C18



### Organo-Silica Fully Porous

Gemini™ C18  
Jupiter™ C18  
Jupiter C4  
Jupiter Proteo  
Luna C8 (2)

Luna C18 (2)  
Luna NH<sub>2</sub>  
Luna HILIC  
Luna Phenyl-Hexyl  
Synergi™ Max-RP

Synergi Hydro-RP  
Synergi Fusion-RP  
Synergi Polar-RP  
Kinetex XB-C18

**Find out more about Micro LC columns, [click here](#)**



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- Easy and secure installation

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