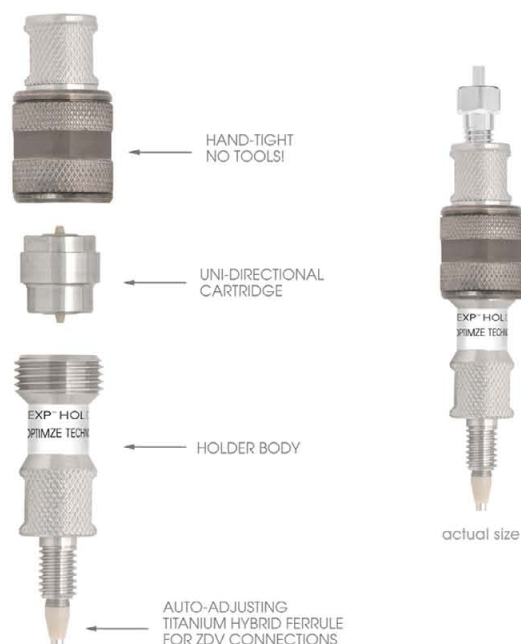


## GUARD COLUMNS

The EXP Guard Column cartridge system is rated to 15,000 psi with hand-tight replaceable cartridges. This unique design connects directly to any UHPLC column with the auto-adjusting Titanium Hybrid ferrule and EXP™ Fittings, providing repeated zero-dead-volume connections and easy adjustability between various column types.

Free-turn™ architecture allows the user to change cartridges by hand without breaking fluid connections on the holder inlet/outlet. The combination of low-dispersion and ultra high-pressure capabilities provides effective protection with negligible effects on retention time, plate count, and peak shape.



## ADVANTAGES OF EXP GUARD COLUMNS

- Hand-tight guard replacement - NO TOOLS!
- Hardware rated to 20,000 psi
- Packed guard rated to 15,000 psi (1,000 bar) for routine use
- 1.4 µl Swept Volume (excluding packed bed)
- Hardened stainless steel end cap eliminates galling
- Low-volume, low-dispersion cartridges
- Auto-adjusting ZDV column connection

Unparalleled  
convenience  
& efficiency

UHPLC  
[www.optimize-tech.com/exp](http://www.optimize-tech.com/exp)

U.S. Pat. No.s 5,525,303; 5,730,943; 5,911,954 and other U.S. and foreign patents pending.

### EXP HOLDER

15-02-03956 EXP Direct Connect Holder (fittings included)



Please use the table below to find the Dimension and Phase you require. Example: a three pack of 2.1 x 5 mm with C8 Phase (Sub 2 µm) would have part number 15-04104-HB.

### EXP GUARD CARTRIDGE SELECTION GUIDE

	Dimension	Dimension Code	Phase Code	Phase	
3 PACKS	1.0 x 5 mm	0 4 1 0 0	H A C18	Sub 2 µm	
	1.5 x 5 mm	0 4 1 0 2	H B C8		
			H C C4		
			H D HILIC		
			2.1 x 5 mm	0 4 1 0 4	H E C18
3.0 x 5 mm	0 4 1 0 6	H F C8			
		H G C4			
		H H HILIC			
		H I Phenyl-Hexyl			
		H J SAX			
4.6 x 5 mm	0 4 1 0 8	H K SCX			
			E S Custom		

15-      -     
Part Number



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[www.chromspec.com](http://www.chromspec.com)

1-800-267-8103 • [sales@chromspec.com](mailto:sales@chromspec.com) • [tech@chromspec.com](mailto:tech@chromspec.com)

