

PerkinElmer

Ferrules Continued

100% Graphite Ferrules					
For Injectors & Detectors at atmospheric pressure e.g. FID (Not for GC-MS)	0.1-0.32 mm	1/16"	0.5 mm	10	072627
	0.1-0.32 mm	1/8"	0.5 mm	10	072624
	0.45-0.53 mm	1/16"	0.8 mm	10	072626
	0.45-0.53 mm	1/8"	0.8 mm	10	0726280
	1/8" OD Packed Columns	1/8"	1/8"	10	072622
	1/4" OD Packed Columns	1/4"	1/4"	10	072621
SilTite™ Metal Ferrules					
For GC-MS Interface Connection (Starter Kit)	0.1-0.25 mm	–	0.4 mm	10*	073200
	0.32 mm	–	0.5 mm	10*	073201
	0.53 mm	–	0.8 mm	10*	073202
Replacement SilTite™ Ferrules					
For GC-MS Interface Connection	0.1-0.25 mm	–	0.4 mm	10	073220
	0.32 mm	–	0.5 mm	10	073221
	0.53 mm	–	0.8 mm	10	073222
	1/32"	–	0.81 mm	10	073219
Replacement SilTite™ Nuts	–	–	5	–	073224

*Includes 10 ferrules, 2 SilTite™ nuts.

GC Supplies

SilTite™ FingerTite Ferrules

Description	Column ID	Ferrule ID (mm)	Pack Size	Part No.
PerkinElmer				
Injector/GC-MS	0.1-0.25 mm	0.4	*	073623
Injector/GC-MS	0.1-0.25 mm	0.4	*	073622
Ferrule 0.4 mm	Replacement Items	0.1-0.25 mm	10	073630
Ferrule 0.5 mm	Replacement Items	0.32 mm	10	073631
Ferrule Blanking	Replacement Items	–	2	073633
Female Nut	Replacement Items	–	5	073636

* Each starter kit includes all the parts necessary to convert one GC system (one injector and one detector) to the SilTite™ FingerTite system suitable for installing 0.1 – 0.25 mm ID capillary columns. In addition there are 5 SilTite™ FingerTite nuts, one packet (10 ferrules) of 0.4 mm ID SilTite™ FingerTite ferrules and a ferrule install tool which allows you to seat the ferrule in the correct position on the capillary column.

Instrument Quick Pick for Shimadzu

Shimadzu

Autosampler Syringes

All needles are 42 mm long with a cone point style.

Shimadzu AOC14, AOC17 and AOC20







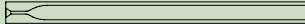
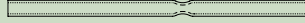
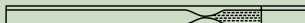

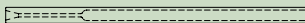

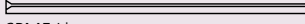


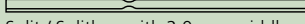
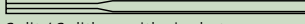
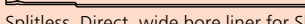

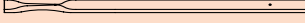
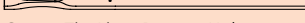
Volume	Needle Gauge (OD mm)	Syringe Code	Syringe Part No.	Pack Size	Spare Needle Part No.	Pack Size	Spare Plunger Part No.	Pack Size
Fixed Needle								
5 µL	26 (0.47)	5F-S-0.47C	001987	1	–	–	–	–
5 µL	23 (0.63)	5F-S-0.63C	001988	1	–	–	–	–
250 µL Gas Tight	23 (0.63)	250F-S-GT-0.63C	006682	1	–	–	031828	1
Removable Needle								
0.5 µL	26 (0.47)	0.5BR-S-0.47C	000440	1	033738	1**	–	–
0.5 µL	23 (0.63)	0.5BR-S-0.63C	000445	1	033745	1**	–	–
0.5 µL	23-26s (0.63/0.47)	0.5BNR-S-0.63/0.47C	000450	1	033730	1**	–	–
10 µL	26 (0.47)	10R-S-0.47C	002897	1	037745	2	–	–
10 µL	23 (0.63)	10R-S-0.63C	002898	1	037747	2	–	–
10 µL Gas Tight	23 (0.63)	10R-S-GT-0.63C	002902	1	037747	2	031798	2

**Denotes spare Needle and Plunger kit.

Septa

Instrument	Septum Type	Pack Size	Part No.
9A, 14, 15A, 16, 17A, 2010 & 2014	Enduro Blue	50	041890
	HT	50	041895
	EC	50	041905

Inlet Liners

Description and Geometry Sketch	OD (mm)	ID (mm)	Length (mm)	Pack Size	Part No.
For GC-2010 (SPL-2010 Injector), GC-2014 (SPL-2014 Injector) and GC-17A (SPL-17 Injector)					
 Split / Splitless FocusLiner™ *	5	3.4	95	1	09205901
				5	092059
				25	09205925
 Split / Splitless Tapered FocusLiner™ *	5	3.4	95	1	09205801
				5	092058
				25	09205825
 Split / Splitless FocusLiner™	5	3.4	95	1	09206201
				5	092062
				1	09206801
 Split / Splitless Tapered FocusLiner™	5	3.4	95	5	092068
				25	09206825
				1	09206401
 Split, straight-through liner	5	3.4	95	5	092064
				1	092086101
 Splitless straight-through liner	5	2.6	95	5	0920861
				1	09207101
 Split / Splitless with Single Taper	5	3.4	95	5	092071
				1	09207701
 Split / Splitless with middle gooseneck	5	3.4	95	5	092077
				25	09207725
 Split / Splitless with recessed gooseneck and quartz wool	5	3.4	95	1	09206101
				5	092061
 Split / Splitless with middle gooseneck	5	3.4	95	1	09208501
				5	092085
				25	09208525
 Liner with 25 mm long taper	5	3.4	95	1	09229001
				5	092290
				25	09229025
 ConnectTite (0.53 mm ID columns)	5	2.6	95	1	09208701
				5	092087
 SPME Liner	5	0.75	95	1	09208901
				5	092089
For GC-14(SPL-14 Injector)					
 Split / Splitless FocusLiner™	5	3.4	99	1	09206501
				5	092065
 Split / Splitless Tapered FocusLiner™	5	3.4	99	1	09206601
				5	092066
 Split / Splitless with 2.0 mm middle gooseneck	5	3.4	99	1	09208201
				5	092082
 Split / Splitless with single taper	5	3.4	99	1	092083101
				5	0920831
 Splitless, Direct, wide bore liner for Shimadzu 9A/16A GC	5	3.4	139	1	09208401
				5	092084
 ConnectTite Liner Standard	5	3.4	95	1	09232901
				5	092329
 ConnectTite Liner Top Hole	5	3.4	95	1	09233001
				5	092330
 ConnectTite Liner Bottom Hole	5	3.4	95	1	09233101
				5	092331

* When using a standard 42 mm needle for autosamplers, the sample will be injected on top of the wool for this liner.

O-rings and Sealing Rings

Description	Usage	Pack Size	Part No.
Graphite Sealing Ring	Can be used at temperatures up to 450 °C. For 14, 15A & 16 (SPL-14 injector).	10	0726001
Graphite Sealing Ring	Can be used at temperatures up to 450 °C. For 17A (SPL-17 injector).	10	0726007
Viton O-Ring	Can be used at temperatures up to 300 °C. For 2010 & 2014 (SPL-2010 Injector & SPL-2014 Injector).	10	0726533

GC Supplies

- Taper / Gooseneck
- FocusLiner™
- Taper Focus
- ConnectTite
- Straight
- Double Taper
- PTV/LVI



Ferrules

GC Supplies

Column ID	Description	Pack Size	Part No.
GC14A, GC17A, GC2010 and GC2014 Detector / Injectors (Not for MS interfaces or QP2010 Injector)			
0.10-0.32 mm ID columns	100% Graphite	10	0726080
0.45-0.53 mm ID columns	100% Graphite	10	0726082
5 mm OD packed columns	100% Graphite	10	0726001
0.10-0.25 mm ID columns	SilTite™ Metal - Initial Installation	10*	073350
0.10-0.25 mm ID columns	SilTite™ Ferrules	10	073227
0.32 mm ID columns	SilTite™ Metal - Initial Installation	10*	073351
0.32 mm ID columns	SilTite™ Ferrules	10	073228
0.45-0.53 mm ID columns	SilTite™ Metal - Initial Installation	10*	073352
0.53 mm ID columns	SilTite™ Ferrules	10	073229
n/a	SilTite™ Metal Nuts - Slotted	5	073232
QP5000/5050 Standard MS Interface			
QP5000-I 0.10-0.25 mm ID columns	15% Graphite/ 85% Vespel® Ferrules	10	0726563
QP5000-I 0.32 mm ID columns	15% Graphite/ 85% Vespel® Ferrules	10	0726564
QP5000-II & QP5050 0.10-0.25 mm ID columns	15% Graphite/ 85% Vespel® Ferrules	10	0726561
QP5000-II & QP5050 0.32 mm ID columns	15% Graphite/ 85% Vespel® Ferrules	10	0726562
0.10-0.25 mm ID columns	SilTite™ Metal - Initial Installation	10*	073204
0.10-0.25 mm ID columns	SilTite™ Ferrules	10	073227
0.32 mm ID columns	SilTite™ Metal - Initial Installation	10*	073205
0.32 mm ID columns	SilTite™ Ferrules	10	073228
0.53 mm ID columns	SilTite™ Metal - Initial Installation	10*	073206
0.53 mm ID columns	SilTite™ Ferrules	10	073229
n/a	SilTite™ Metal Nuts-QP5000/5050 Standard MS interface	5	073233
QP5000/5050 Wide Bore MS Interface, QP2010 Injector and QP2010 Standard MS Interface			
0.10-0.25 mm ID columns	15% Graphite/ 85% Vespel® Ferrules	10	072663
0.32 mm ID columns	15% Graphite/ 85% Vespel® Ferrules	10	072654
0.45-0.53 mm ID columns	15% Graphite/ 85% Vespel® Ferrules	10	072655
0.10-0.25 mm ID columns	SilTite™ Metal - Initial Installation	10*	073200
0.10-0.25 mm ID columns	SilTite™ Ferrules	10	073220
0.32 mm ID columns	SilTite™ Metal - Initial Installation	10*	073201
0.32 mm ID columns	SilTite™ Ferrules	10	073221
0.45-0.53 mm ID columns	SilTite™ Metal - Initial Installation	10*	073202
0.45-0.53 mm ID columns	SilTite™ Ferrules	10	073222
n/a	SilTite™ Metal Nuts	5	073224

* Includes 10 ferrules, 2 SilTite™ nuts.

Replacement Parts

Material	Pack Size	Part No.
Replacement SilTite™ Nuts		
For 2010 GC-MS System	5	073224
For 2010 GC-MS System with QP5000 series MS	5	073224
For 2010/2014 GC Injectors and atmospheric detectors	5	073224
QP5000 Jet Separator MS Interface	5	073224
QP5000 Direct MS Interface	5	073233
For All Injectors Jet Separator (Starter Kit), except 2010/2014	5	073232

SilTite™ FingerTite Ferrules

Description	Pack Size	Part No.
SilTite™ Fingertite Shimadzu 2010 Inj / Fid Starter Kit	*	073620
SilTite™ Fingertite Shimadzu 2010 Inj / Ms Starter Kit	*	073621
SilTite™ Fingertite Ferrule 0.4 mm	Replacement Items	10
SilTite™ Fingertite Ferrule 0.5 mm	Replacement Items	10
SilTite™ Fingertite Blanking Ferrule	Replacement Items	2
SilTite™ Fingertite Female Nut	Replacement Items	5

* Each starter kit includes all the parts necessary to convert one GC system (one injector and one detector) to the SilTite™ FingerTite system suitable for installing 0.1 – 0.25 mm ID capillary columns. In addition there are 5 SilTite™ FingerTite nuts, one packet (10 ferrules) of 0.4 mm ID SilTite™ FingerTite ferrules and a ferrule install tool which allows you to seat the ferrule in the correct position on the capillary column.

Electron Multipliers

MS Description	Analyzer Type	Technique	Part No.
QP5000	Quadrupole	GC-MS	14533