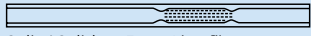
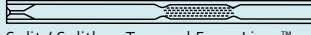
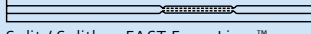
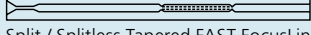
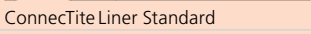

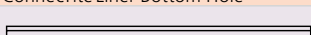
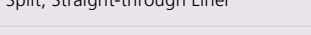
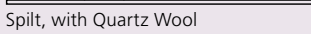
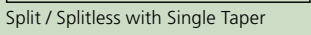
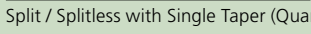
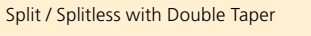
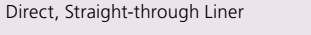
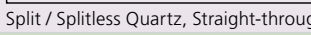
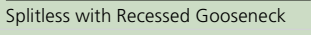
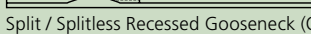


Instrument Quick Pick for Agilent Technologies

Septa Continued

Diameter (mm)	Material	Pack Size	Part No.
For Agilent 7620, 5790, 5880, 5890			
5	GP	50	041820
5	MN	50	041850
For Agilent 5700, 5800, 5900			
9.5	GP	50	0418240
9.5	EC	25	041901
9.5	HT	50	041897
For Agilent 7890, 6890, 5890, 5880, 4890, 6850			
11	GP	50	041826
11	EC	25	041902
11	MN	50	041856
11	HT	25	041898
For Agilent 5750, 710, 720, 810, 7610			
12.5	GP	50	041828
12.5	HT	25	0418992
12.5	EC	25	041906
12.5	MN	50	0418503

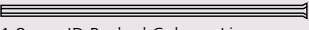



Inlet Liners

Description and Geometry Sketch	OD (mm)	ID (mm)	Length (mm)	Pack Size	Part No.
For Agilent 5890, 6850, 6890, 7890 and HP4890					
 Split / Splitless FocusLiner™	6.3	4	78.5	1	09200201
				5	092002
				25	092219
 Split / Splitless Tapered FocusLiner™	6.3	4	78.5	1	09200301
				5	092003
				25	092011
 Split / Splitless FAST FocusLiner™	6.3	2.3	78.5	1	09200501
				5	092005
				25	092008
 Split / Splitless Tapered FAST FocusLiner™	6.3	2.3	78.5	1	09211101
				5	092111
				25	092115
 ConnecTite Liner Standard	6.3	4	78.5	1	09232401
				5	092324
 ConnecTite Liner Top Hole	6.3	4	78.5	1	09232501
				5	092325
 ConnecTite Liner Bottom Hole	6.3	4	78.5	1	09232601
				5	092326
 Split, Straight-through Liner	6.3	4	78.5	1	09200701
				5	092007
				25	092222
 Split, with Quartz Wool	6.3	4	78.5	1	09200101
				5	092001
				25	092220
 Split / Splitless with Single Taper	6.3	4	78.5	1	09201701
				5	092017
				25	092229
 Split / Splitless with Single Taper (Quartz Wool)	6.3	4	78.5	1	09201901
				5	092019
				25	092218
 Split / Splitless with Double Taper	6.3	4	78.5	1	09201801
				5	092018
				25	092230
 Direct, Straight-through Liner	6.3	1.2	78.5	1	09201601
				5	092016
				25	092224
 Split / Splitless Quartz, Straight-through Liner	6.1	2	78.5	1	09200401
				5	092004
 Splitless with Recessed Gooseneck	6.3	2	78.5	1	09201301
				5	092013
 Split / Splitless Recessed Gooseneck (Quartz Wool)	6.3	4	78.5	1	09201001
				5	092010
				25	092223



Instrument Quick Pick for Agilent Technologies

Inlet Liners Continued

Packed Column Liner For Agilent 5880, 5890, 6890					
 1.8 mm ID Packed Column Liner	3	1.8	92	1	09223401
				5	092234
				25	092235
For AC Control Injector					
 Sim Dist Liner for Programmed Injector	3	1.6	73	1	0922101
				5	092210
				25	092211
For Gerstel CIS 4 Injector					
 Sintered Glass. Large Volume Injection (LVI)	3	1.8	71	1	09224301
				5	092243
 Single Baffle	3	1.8	71	1	0922601
				5	092246

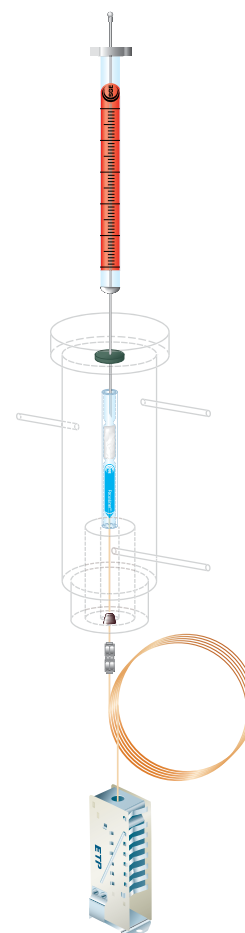
O-rings

Description	Usage	Pack Size	Part No.
Viton O-Ring	Can be used at temperatures up to 300 °C. Suitable for liners with OD of 6.3 mm.	10	0726532
Graphite Sealing Ring	Can be used at temperatures up to 450 °C. Suitable for all inlet liners above except 092004 and 09200401.	10	0726005
Graphite Sealing Ring	Can be used at temperatures up to 450 °C. Suitable for use with liners 092004 and 09200401.	10	0726006

Ferrules

Instrument	Column ID	Ferrule ID	Pack Size	Part No.
15% Graphite / 85% Vespel® Ferrules				
For Injectors & Detectors at atmospheric pressure e.g. FID	0.1-0.25 mm	0.4 mm	10	073109
	0.32 mm	0.5 mm	10	073111
	0.53 mm	0.8 mm	10	073113
	for 1/8" OD Packed Columns	1/8"	10	072669
	for 1/4" OD Packed Columns	1/4"	10	072667
For GC-MS Interface Connection	0.1-0.25 mm	0.4 mm	10	072663
	0.32 mm	0.5 mm	10	072654
	0.53 mm	0.8 mm	10	072655
100% Graphite Ferrules				
Injectors & Detectors at atmospheric pressure e.g. FID (Not for GC-MS)	0.1-0.32 mm	0.5 mm	10	072635
	0.45-0.53 mm	0.8 mm	10	072636
	for 1/8" OD Packed Columns	1/8"	10	072602
	for 1/4" OD Packed Columns	1/4"	10	072601
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
For Split / Splitless Injectors (Starter Kit)	0.1-0.25 mm	0.4 mm	10#	073270
	0.32 mm	0.5 mm	10#	073271
	0.45-0.53 mm	0.8 mm	10#	073272
	1/32"	0.81 mm	10#	073273
Replacement SilTite™ Metal Ferrules				
For All Connections	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				
For GC-MS Interface Connection	-	-	5	073224
For Split / Splitless Injector	-	-	5	073226
Replacement SilTite™ Base Seals				
For Split / Splitless Injector	-	-	2	073400
	-	-	10	073401

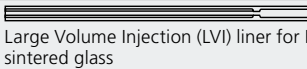
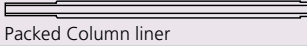
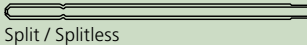
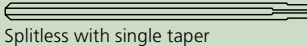
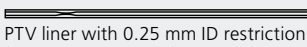

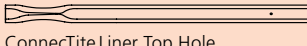
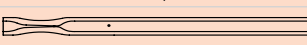
* Includes 10 ferrules, 2 SilTite™ nuts. # Includes 10 ferrules, 2 SilTite™ nuts and 2 SilTite™ Inlet Base Seals.



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

Instrument Quick Pick for PerkinElmer

Inlet Liners Continued

	4	2	86.2	1	09224401
				5	092244
	6	3	112	1	09223601
				5	092236
For 8000 and Sigma series					
	5	3	100	1	09209101
				5	092091
	5	2	100	1	09209401
				5	092094
PTV Liner					
	2	1	88	1	09209701
				5	092097
For AutoSystem Injectors					
	6.2	4	92	1	09234401
				5	092344
	6.2	4	92	1	09234501
				5	092345
	6.2	4	92	1	09234601
				5	092346

O-rings

Description	Usage	Pack Size	Part No.
Viton O-Ring	Can be used at temperatures up to 300 °C. For use with 6.2 mm OD liners.	10	0726536
Graphite Vespel Sealing Ring for PSS system	Can be used at temperatures up to 325 °C. For use with 4mm OD liners	10	0726522

Ferrules

Instrument	Column ID	Size of Nut	Ferrule ID	Pack Size	Part No.
15% Graphite / 85% Vespel® Ferrules					
For Injectors & Detectors at atmospheric pressure e.g. FID	0.1-0.25 mm	1/16"	0.4 mm	10	072663
	0.1-0.25 mm	1/8"	0.4 mm	10	0726703
	0.32 mm	1/16"	0.5 mm	10	072654
	0.32 mm	1/8"	0.5 mm	10	0726702
	0.45-0.53 mm	1/16"	0.8 mm	10	072655
	0.45-0.53 mm	1/8"	0.8 mm	10	072671
	1/8" OD Packed Columns	1/8"	1/8"	10	072669
	1/4" OD Packed Columns	1/4"	1/4"	10	072667
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.

SilTite™ FingerTite Ferrules

Description	Column ID	Ferrule ID (mm)	Pack Size	Part No.
SilTite™ FingerTite™ PerkinElmer Injector/GC-MS Starter Kit	0.1-0.25 mm	0.4	*	073623
SilTite™ FingerTite™ PerkinElmer Injector FID Starter Kit	0.1-0.25 mm	0.4	*	073622
SilTite™ FingerTite™ Ferrule 0.4 mm	Replacement Items	0.1-0.25 mm	10	073630
SilTite™ FingerTite™ Ferrule 0.5 mm	Replacement Items	0.32 mm	10	073631
SilTite™ FingerTite™ Ferrule Blanking	Replacement Items	–	2	073633
SilTite™ FingerTite™ 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

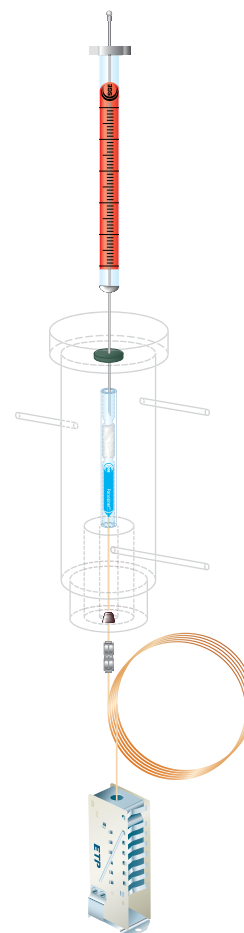
Autosampler Syringes

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 <i>Gas Tight</i>	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 <i>Gas Tight</i>	23 (0.63)	10R-S-GT-0.63C	002902	1	037747	2	031798	2

**Denotes spare Needle and Plunger kit.



Septa

SGE has a number of different Septa materials:

- EC = Combines significantly longer injection life, low bleed and low injection port adhesion.
- MN = Premium septa for autosamplers, up to 400 injection per septum.
- HT = Bleed and temperature optimized, combined with outstanding mechanical properties.

	Enduro Blue	EC	HT
Material	Silicone	High Temperature Silicone	BTO Silicone
Durability	Good	Excellent	Excellent
Resealing	Good	Excellent	Excellent
Solvent Resistance	Excellent	Excellent	Excellent
Tear Resistance	Good	Excellent	Excellent
Maximum Temperature	200 °C	400 °C	400 °C

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



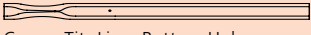
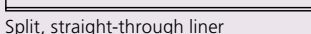
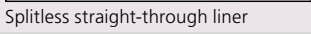
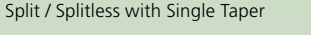
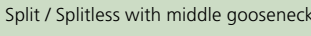
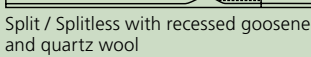
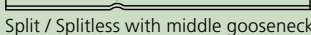
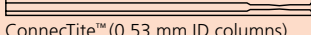

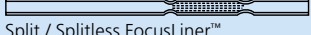
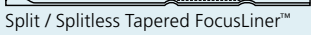
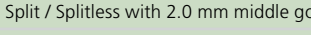
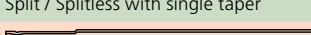

- Taper / Gooseneck
- FocusLiner™
- Taper Focus
- ConnectTite
- Straight
- Double Taper
- PTV/LVI

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
				25	09206225
Split / Splitless Tapered FocusLiner™	5	3.4	95	1	09206801
				5	092068
				25	09206825

Instrument Quick Pick for Shimadzu

Inlet liners Continued

Description and Geometry Sketch	OD (mm)	ID (mm)	Length (mm)	Pack Size	Part No.
 ConnecTite Liner Standard	5	3.4	95	1	09232901
				5	092329
 ConnecTite Liner Top Hole	5	3.4	95	1	09233001
				5	092330
 ConnecTite Liner Bottom Hole	5	3.4	95	1	09233101
				5	092331
 Split, straight-through liner	5	3.4	95	1	09206401
				5	092064
 Splitless straight-through liner	5	2.6	95	1	092086101
				5	0920861
 Split / Splitless with Single Taper	5	3.4	95	1	09207101
				5	092071
 Split / Splitless with middle gooseneck	5	3.4	95	1	09207701
				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
 ConnecTite™ (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

* 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

Instrument Quick Pick for Thermo Scientific

Autosampler Syringes for Thermo Scientific / CE Instruments / Fisons

All needles have a cone point style.

AUTOSAMPLER				NEEDLE SPECIFICATIONS						
TriPlus	AS3000	AS2000	AS200/800	Volume	Length (mm)	Gauge	Syringe Code	Syringe Part No.	Needle Part No.	Pack Size
Fixed Needle										
•				5 µL	50	26 (0.47)	5FX-5C	001105	–	–
•		•		10 µL	50	23 (0.63)	10F-C/T-GT-5/0.63C	002987	–	–
•		•		10 µL	80	23 (0.63)	10F-C/T-8/0.63C	002989	–	–
•		•		10 µL	80	26 (0.47)	10F-C/T-8/0.47C	002992	–	–
•	•	•	•	10 µL	50	25 (0.50)	10F-C/T-5/0.50C	002967	–	–
•	•	•	•	10 µL	50	23 (0.63)	10F-C/T-5/0.63C	002981	–	–
•	•	•	•	10 µL	50	26 (0.47)	10F-C/T-5/0.47C	002980	–	–
Removable Needle										
•	•	•		10 µL	50	26 (0.47)	10R-C/T-5/0.47C	002982	037785	2
•	•	•	•	10 µL	50	23 (0.63)	10R-C/T-5/0.63C	002984	037787	2
•		•	•	10 µL	80	26 (0.47)	10R-C/T-8/0.47C	002993	031535	3
•	•			0.5 µL	50	26 (0.47)	0.5BNR-C/T-5/0.47C	000490	033770	–
•	•			0.5 µL	50	23 (0.63)	0.5BNR-C/T-5/0.63C	000492	033772	–

Septa

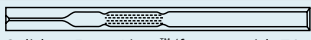

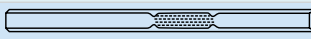
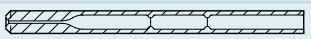
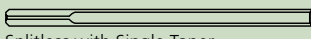


SGE has a number of different Septa materials:

- EC = Combines significantly longer injection life, low bleed and low injection port adhesion.
- MN = Premium septa for autosamplers, up to 400 injection per septum.
- HT = Bleed and temperature optimized, combined with outstanding mechanical properties.

	EC	MN	HT
Material	High Temperature Silicone	High Temperature Silicone	BTO Silicone
Durability	Excellent	Excellent	Excellent
Resealing	Excellent	Excellent	Excellent
Solvent Resistance	Excellent	Excellent	Excellent
Tear Resistance	Excellent	Excellent	Excellent
Maximum Temperature	400 °C	400 °C	400 °C

Diameter (mm)	Septum Type	Pack Size	Part No.
For Thermo Scientific 8000 Series, FOCUS, Trace/ULTRA GC™			
17	EC	25	041903
17	MN	50	0418505
17	HT	25	0418990

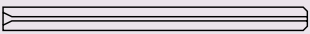
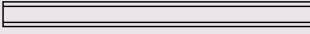



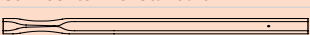
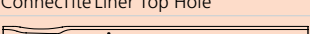
Inlet Liners

Description and Geometry Sketch	OD (mm)	ID (mm)	Length (mm)	Pack Size	Part no.
For TRACE™ and Focus™					
 Splitless FocusLiner™ (for use with 70 mm Needle)	8	5	105	1	09204501
				5	092045
 Splitless FocusLiner™ with Top-end Restriction (for use with 70 mm Needle)	8	5	105	1	09204601
				5	092046
				25	09204625
 Split FocusLiner™ (for use with 50 mm Needle)	8	5	105	1	09204801
				5	092048
 Splitless FocusLiner™ (for use with 50 mm Needle)	8	5	105	1	09204901
				5	092049
 Splitless with Single Taper	8	3	105	1	09214101
				5	092141
				25	09214125
 Splitless with Single Taper	8	5	105	1	09214401
				5	092144
				25	09214425
 Splitless, Straight-through Liner	8	3	105	1	09214701
				5	092147
				25	09214725

Instrument Quick Pick for Thermo Scientific

Inlet liners Continued

Inlet Liners

Description and Geometry Sketch	OD (mm)	ID (mm)	Length (mm)	Pack Size	Part no.
 SPME Liner	8	0.8	105	1	09214801
				5	092148
 Split, Straight-through Liner	8	5	105	1	0921501
				5	092150
				25	09215025
 Trace 2000 PTV Liner	2.75	1.75	120	1	09214201
				5	092142
				25	09214225
 Sintered Glass, Large Volume Injection (LVI) Liner	2.75	0.78/1.8	120	1	09215501
				5	092155
				25	09215525
 ConnecTite Liner Standard	8	5	105	1	09233401
				5	092334
 ConnecTite Liner Top Hole	8	5	105	1	09233501
				5	092335
 ConnecTite Liner Bottom Hole	8	5	105	1	09233601
				5	092336

For inlet liners to suit Finnigan 9001 and GCQ GCs, see the Agilent Liners.

Sealing Rings

Description	Usage	Pack Size	Part No.
Graphite Sealing Ring	8 mm ID. For 8000 & TRACE GCs.	10	0726004

Ferrules

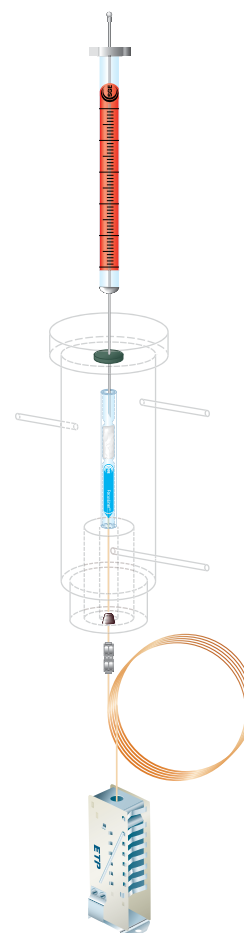
Instrument	Column ID	Ferrule ID	Pack Size	Part No.
15% Graphite / 85% Vespel® Ferrules				
For All Injectors & Detectors (Not for 8000 Series, Focus, Trace/Ultra GC)	0.1-0.25 mm	0.4 mm	10	0726549
	0.32 mm	0.5 mm	10	0726557
	0.53 mm	0.8 mm	10	0726548
	1/8" OD Packed Columns	1/8"	10	072669
	1/4" OD Packed Columns	1/4"	10	072667
For All Focus, Trace/Ultra Injectors & Detectors at atmospheric pressure e.g. FID (Not for GC-MS)	0.1-0.25 mm	0.4 mm	10#	072696
	0.32 mm	0.5 mm	10#	072697
	0.53 mm	0.8 mm	10#	072698
Brass Nut for Focus, Trace/Ultra GC Injectors & Non-MS Detectors			2	1034085
100% Graphite Ferrules				
For Injectors & Detectors at atmospheric pressure e.g. FID (Not for GC-MS)	0.1-0.32 mm	0.5 mm	10	072619
	0.45-0.53 mm	0.8 mm	10	072614
	1/8" OD Packed Columns	1/8"	10	072622
	1/4" OD Packed Columns	1/4"	10	072621
SilTite™ Metal Ferrules				
For GC-MS Interface Connections (Starter Kit)	0.1-0.25 mm	0.4 mm	10*	073450
	0.32 mm	0.5 mm	10*	073451
	0.53 mm	0.8 mm	10*	073452
	1/32"	0.81 mm	10*	073453
Replacement SilTite™ Metal Ferrules				
For All GC-MS Interface Connections	0.1-0.25 mm	0.4 mm	10	073330
	0.32 mm	0.5 mm	10	073331
	0.53 mm	0.8 mm	10	073332
	1/32"	0.81 mm	10	073333
Replacement SilTite™ Nuts				
			5	073230

To be used in combination with brass nut (Part No. 1034085) * Includes 10 ferrules, 2 SilTite™ nuts.

SilTite™ FingerTite Ferrules

Description	Column ID	Ferrule ID (mm)	Pack Size	Part No.
SilTite™ FingerTite™ Thermo Injector/FID Starter Kit	0.1-0.25 mm	0.4	*	073614
SilTite™ FingerTite™ Thermo Injector/GC-MS ISQ Starter Kit	0.1-0.25 mm	0.4	*	073615
SilTite™ FingerTite™ Thermo Injector/EC-MS Starter Kit	0.1-0.25 mm	0.4	*	073616
SilTite™ FingerTite™ Ferrule 0.4 mm	0.1-0.25 mm	0.4	10	073630
SilTite™ FingerTite™ Ferrule 0.5 mm	0.32 mm	0.5	10	073631
SilTite™ FingerTite™ Ferrule Blanking	-	-	2	073633
SilTite™ FingerTite™ Female Nut	-	-	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.

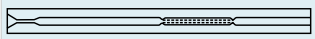
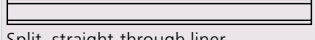
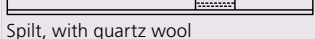
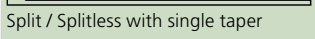
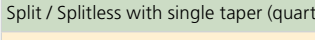
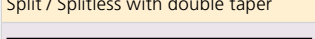
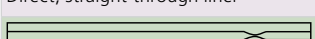

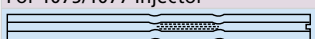
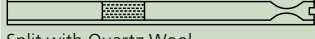
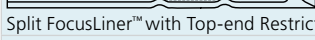

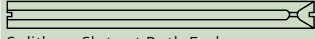
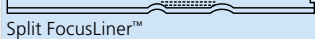

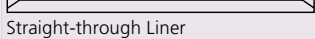
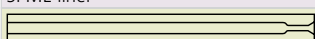
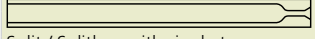

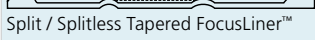
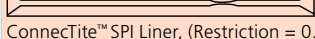
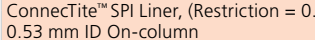
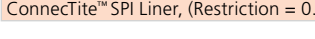

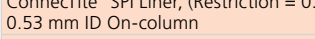
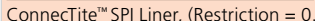


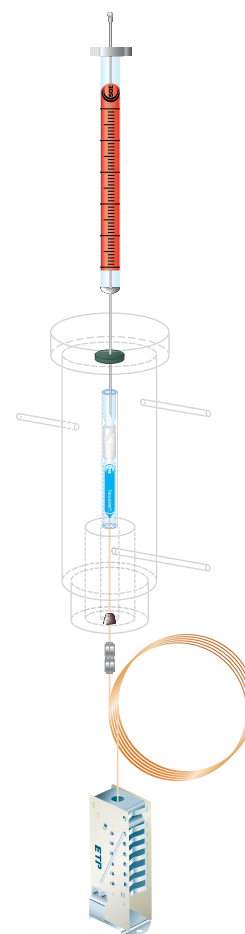
- Taper / Gooseneck
- FocusLiner™
- Taper Focus
- ConnecTite
- Straight
- Double Taper
- PTV/LVI



Instrument Quick Pick for Varian / Bruker

Inlet Liners Continued




Description and Geometry Sketch	OD (mm)	ID (mm)	Length (mm)	Pack Size	Part no.
 Split / Splitless Tapered FAST FocusLiner™	6.3	2.3	78.5	1	09211101
				5	092111
				25	092115
 Split, straight-through liner	6.3	4	78.5	1	09200701
				5	092007
				25	092222
 Split, with quartz wool	6.3	4	78.5	1	09200101
				5	092001
				25	092220
 Split / Splitless with single taper	6.3	4	78.5	1	09201701
				5	092017
				25	092229
 Split / Splitless with single taper (quartz wool)	6.3	4	78.5	1	09201901
				5	092019
				25	092218
 Split / Splitless with double taper	6.3	4	78.5	1	09201801
				5	092018
				25	092230
 Direct, straight-through liner	6.3	1.2	78.5	1	09201601
				5	092016
				25	092224
 Splitless with Recessed Gooseneck	6.3	2	78.5	1	09201301
				5	092013
				25	092223
 Split / Splitless Recessed Gooseneck (quartz wool)	6.3	4	78.5	1	09201001
				5	092010
				25	092223
For 1075/1077 Injector					
 Split, FAST FocusLiner™	6.3	2.3	72	1	09211301
				5	092113
				25	092221
 Split with Quartz Wool	6.3	4	72	1	09202101
				5	092021
				25	09222125
 Split FocusLiner™ with Top-end Restriction	6.3	4	72	1	09202801
				5	092028
				25	092228
 Splitless FocusLiner™ with Top-end Restriction	6.3	4	74	1	09202601
				5	092026
				25	092226
 Split, Tapered FocusLiner™	6.3	4	72	1	09202501
				5	092025
				25	092225
 Splitless, Slots at Both Ends	6.3	2	74	1	09202401
				5	092024
				25	092228
 Split FocusLiner™	6.3	4	72	1	09202201
				5	092022
				25	092222
For 1078/1079 Injector					
 Sintered Glass, Large Volume Injection (LVI) Liner	5	1.8/3.4	54	1	09224501
				5	092245
				25	09224525
 Straight-through Liner	5	0.5	54	1	09203101
				5	092031
				25	092231
 SPME liner	5	0.75	54	1	09211701
				5	092117
				25	092217
 Splitless with Single Taper	5	2	54	1	09203901
				5	092039
				25	092239
 Split / Splitless with single taper	5	3.4	54	1	09203801
				5	092038
				25	09203825
 Split / Splitless FocusLiner™	5	3.4	54	1	09203701
				5	092037
				25	09203725
 Split / Splitless Tapered FocusLiner™	5	3.4	54	1	09203601
				5	092036
				25	09203625
For 1093/1094 Injector					
 ConnecTite™ SPI Liner, (Restriction = 0.25 mm)	4.6	0.5	54	1	09202701
				5	092027
				25	09202725
 ConnecTite™ SPI Liner, (Restriction = 0.5 mm) for 0.53 mm ID On-column	4.6	0.8	54	1	09203401
				5	092034
				25	09203425
 ConnecTite™ SPI Liner, (Restriction = 0.25 mm)	4.6	0.8	54	1	09203001
				5	092030
				25	09203025



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

Instrument Quick Pick for Varian / Bruker

Inlet Liners Continued

Description and Geometry Sketch	OD (mm)	ID (mm)	Length (mm)	Pack Size	Part no.
For 1075/1079 Injector					
 ConneCTite Liner Standard	6.3	4	72	1	09233901
				5	092339
 ConneCTite Liner Top Hole	6.3	4	72	1	09234001
				5	092340
 ConneCTite Liner Bottom Hole	6.3	4	72	1	09234101
				5	092341

O-rings and Sealing Rings

Description	Usage	Pack Size	Part No.
Viton O-Ring for 1177 Injector	Can be used at temperatures up to 300 °C.	10	0726532
Graphite Sealing Ring for 1075 & 1077 Injectors		10	072601
Graphite Sealing Ring for 1078 & 1079 Injectors		10	0726217

Ferrules

Instrument	Column ID	Ferrule ID	Pack Size	Part No.
15% Graphite / 85% Vespel® Ferrules				
For GC-MS & Detectors at atmospheric pressure e.g. FID	0.1-0.25 mm	0.4 mm	10	072663
	0.32 mm	0.5 mm	10	072654
	0.53 mm	0.8 mm	10	072655
Packed Columns	1/8" OD Packed Columns	1/8"	10	072669
	1/4" OD Packed Columns	1/4"	10	072667
100% Graphite Ferrules				
For Injectors & Detectors at atmospheric pressure e.g. FID	0.1-0.32 mm	0.5 mm	10	072627
	0.45-0.53 mm	0.8 mm	10	072626
	1/8" OD Packed Columns	1/8"	10	072622
	1/4" OD Packed Columns	1/4"	10	072621
SilTite™ Metal Ferrules				
For GC-MS Interface Connections (Starter Kit)	0.1-0.25 mm	0.4 mm	10*	073300
	0.32 mm	0.5 mm	10*	073301
	0.53 mm	0.8 mm	10*	073302
	1/32"	0.81 mm	10*	073303
Nuts for Varian Injector				
			2	1034060
Replacement SilTite™ Ferrules				
For GC-MS Interface Connections	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	073231

*Includes 10 ferrules, 2 SilTite™ nuts.

SilTite™ FingerTite Ferrules

Description	Column ID	Ferrule ID (mm)	Pack Size	Part No.
SilTite™ FingerTite™ Varian/Bruker Injector/GC-MS Starter Kit	0.1-0.25 mm	0.4	*	073619
SilTite™ FingerTite™ Varian/Bruker Injector/FID Starter Kit	0.1-0.25 mm	0.4	*	073618
SilTite™ FingerTite™ Ferrule 0.4 mm	0.1-0.25 mm	0.4	10	073630
SilTite™ FingerTite™ Ferrule 0.5 mm	0.32 mm	0.5	10	073631
SilTite™ FingerTite™ Ferrule Blanking	–	–	2	073633
SilTite™ FingerTite™ Female Nut	–	–	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.

Electron Multipliers

MS Description	Analyzer Type	Technique	Part No.
Saturn 2000, 2100 & 2200	Ion trap	GC-MS	14147

