SGE Analytical Science

A TRAJAN Brand

Simplify Your GC Connections

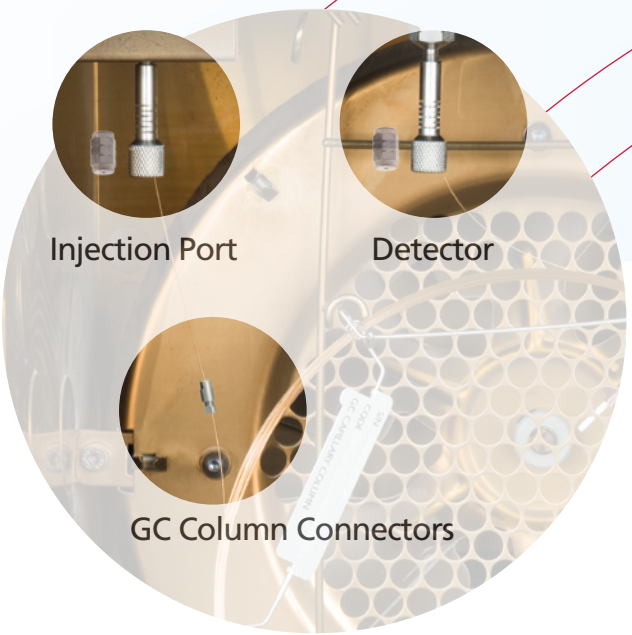
SilTite® GC Connections

- Easy to install and leak-free
- Superb operational stability
- Low dead volume
- Chemically inert

www.sge.com

SilTite® GC Connections

Simplify Your GC Connections



SilTite Metal Ferrules

Designed for connecting fused silica GC columns and tubing to mass spectrometer interfaces and injectors.

SilTite® metal ferrules provide a continuous leak-free connection without the need to re-tighten the nut after a few temperature cycles. SilTite ferrules make Graphite/Vespel® ferrules obsolete for use in GC-MS connections. Their performance and cost effectiveness also makes them ideal for connecting GC columns to injectors and atmospheric detectors

SilTite FingerTite Ferrules

Designed for each injector and detector, simplify your GC column installation.

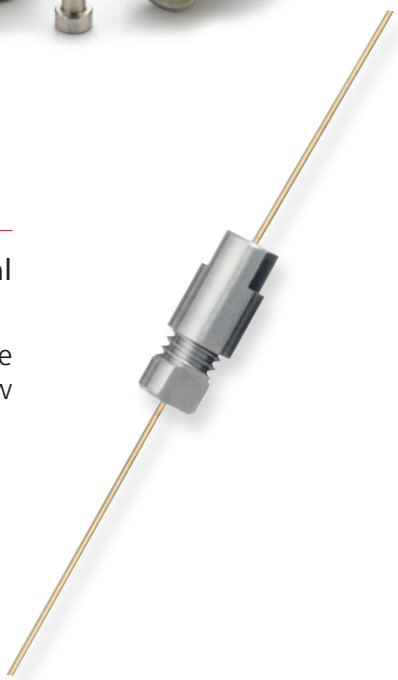
A ferrule system for gas chromatography systems delivering an easy, leak-free installation for capillary columns without the use of any tools.

If you are running a capillary column equipped gas chromatography system, SilTite FingerTite will simplify your column installation process giving you less hassle and more time for chromatography.

SilTite µ-Union

Designed to connect columns without the complications of conventional connectors.

Allows for tubing to be connected without concern of leakage from temperature cycling or fear of getting pieces of the ferrule stuck inside the tubing. Low thermal mass: 9 mm in length and mass <0.5 g.



Easy to Install and Leak-free

SGE GC Connections are designed with FingerTite fittings that are easy to set up and can be tightened using finger force to achieve a perfect, reliable seal, even for the most sensitive MS systems – no wrenches required!

Superb Operational Stability

SGE GC Connections are manufactured from high grade stainless steel, and have minimal thermal mass, ensuring there is minimal thermal lag during use. The use of stainless steel also means there is no practical limit to their maximum temperature, the only limitation is the temperature rating of the GC column.

Low Dead Volume

The range of SilTite, FingerTite, and SilTite µ-Union ferrules used in SGE GC Connections result in low dead volume fittings, giving you optimal peak shapes.

Chemically Inert

Enabled by SGE surface chemistry expertise, each metal surface is treated to ensure optimized chromatography.

The Best Connections are Made to Last

SilTite Metal Ferrules

Designed for connecting fused silica GC columns and tubing to mass spectrometer interfaces and injectors

SilTite metal ferrules provide a continuous leak-free connection without the need to re-tighten the nut after a few temperature cycles. SilTite ferrules make Graphite/Vespel ferrules obsolete for use in GC-MS connections. Their performance and cost effectiveness also makes them ideal for connecting GC columns to injectors and atmospheric detectors.

Agilent Technologies

Instrument	Column ID	Ferrule ID	Pack Size	Part No.	Replacement Ferrules (Pk 10)
For GC-MS Interface Connection (Starter Kit)	0.1-0.25 mm	0.4 mm	10*	073200	073220
	0.32 mm	0.5 mm	10*	073201	073221
	0.53 mm	0.8 mm	10*	073202	073222
For Split / Splitless Injectors (Starter Kit)	0.1-0.25 mm	0.4 mm	10#	073270	073220
	0.32 mm	0.5 mm	10#	073271	073221
	0.45-0.53 mm	0.8 mm	10#	073272	073222
	1/32"	0.81 mm	10#	073273	073219

Bruker (Varian)

Instrument	Column ID	Ferrule ID	Pack Size	Part No.	Replacement Ferrules (Pk 10)
For GC-MS Interface Connections (Starter Kit)	0.1-0.25 mm	0.4 mm	10*	073300	073220
	0.32 mm	0.5 mm	10*	073301	073221
	0.53 mm	0.8 mm	10*	073302	073222

PerkinElmer

Instrument	Column ID	Ferrule ID	Pack Size	Part No.	Replacement Ferrules (Pk 10)
For GC-MS Interface Connections (Starter Kit)	0.1-0.25 mm	0.4 mm	10*	073200	073220
	0.32 mm	0.5 mm	10*	073201	073221
	0.53 mm	0.8 mm	10*	073202	073222

Shimadzu

Instrument	Column ID	Ferrule ID	Pack Size	Part No.	Replacement Ferrules (Pk 10)
GC14A, GC17A, GC2010 and GC2014 Detector / Injectors (Not for MS interfaces or QP2010 Injector)	0.10-0.25 mm	0.4 mm	10*	073350	073227
	0.32 mm	0.5 mm	10*	073351	073228
	0.45-0.53 mm	0.8 mm	10*	073352	073229
QP5000/5050 Standard MS Interface	0.10-0.25 mm	0.4 mm	10*	073204	073227
	0.32 mm	0.5 mm	10*	073205	073228
QP5000/5050 Wide Bore MS Interface, QP2010 Injector and QP2010 Standard MS Interface	0.10-0.25 mm	0.4 mm	10*	073200	073220
	0.32 mm	0.5 mm	10*	073201	073221
	0.45-0.53 mm	0.8 mm	10*	073202	073222

Thermo Scientific

Description	Column ID	Ferrule ID	Pack Size	Part No.	Replacement Ferrules (Pk 10)
For GC-MS Interface Connections (Starter Kit)	0.1-0.25 mm	0.4 mm	10*	073450	073330
	0.32 mm	0.5 mm	10*	073451	073331
	0.53 mm	0.8 mm	10*	073452	073332
For TRACE™ 1300 Split / Splitless Injectors (Starter Kit)	0.1-0.25 mm	0.4 mm	10^	073270	073220
	0.32 mm	0.5 mm	10^	073271	073221
	0.45-0.53 mm	0.8 mm	10^	073272	073222
	1/32"	0.81 mm	10^	073273	073219

* Includes ten SilTite ferrules, two SilTite nuts.

Includes ten SilTite ferrules, two SilTite nuts and two SilTite inlet base seals.

^ To be used in combination with brass nut (Part No. 1034085)

SilTite FingerTite Ferrules

Designed for each injector and detector, simplify your GC column installation

A ferrule system for gas chromatography systems delivering an easy, leak-free installation for capillary columns without the use of any tools.

Who will benefit from this product?

If you are running a capillary column equipped gas chromatography system, SilTite FingerTite will simplify your column installation process giving you less hassle and more time for chromatography.

	100 % Graphite	Graphite Vespel®	SilTite FingerTite
Mechanical strength	Soft	Hard	Hard
Temperature limit	450 °C	350 °C	No Practical Limit
Grip strength on column	Soft	Moderate	Strong
Doesn't need retightening after installation	✓	x	✓
Ideal for GC-MS applications (minimal porosity)	x	✓	✓
No tools required for installation and removal	x	x	✓
Permanent positioning of ferrule	x	x / ✓	✓
No deterioration	x	x	✓
Cannot break the capillary column with over-tightening	x	x	✓
No column creep	x	x	✓
Chemically inert	x	x	✓

Agilent Technologies

	Description	Column ID	Ferrule ID	Pack Size	Part No.
	SilTite FingerTite Agilent INJ / FID Kit	0.1-0.25 mm	0.4 mm	*	073610
	SilTite FingerTite Agilent INJ / MS Kit	0.1-0.25 mm	0.4 mm	*	073612
	SilTite FingerTite Agilent INJ / FID Kit	0.53 mm	0.7 mm	*	07361053
	SilTite FingerTite Agilent Injector Kit	0.53 mm	0.7 mm	*	07361054
	SilTite FingerTite Agilent Capillary / FID Kit	0.53 mm	0.7 mm	*	07361153
	SilTite FingerTite Agilent Capillary Injector Kit	0.53 mm	0.7 mm	*	07361154
	SilTite FingerTite Agilent Capillary Adaptor	–	–	1	0736101
	SilTite FingerTite Agilent MS Adaptor	–	–	1	0736102
	SilTite FingerTite Agilent FID Detector	–	–	1	0736103
	SilTite FingerTite Agilent Injector	–	–	1	0736104

Bruker (Varian)

	Description	Column ID	Ferrule ID	Pack Size	Part No.
	SilTite FingerTite Bruker (Varian) Injector / GC-MS Kit	0.1-0.25 mm	0.4 mm	*	073619
	SilTite FingerTite Bruker (Varian) Injector / FID Kit	0.1-0.25 mm	0.4 mm	*	073618
	SilTite FingerTite Bruker (Varian) INJ / FID Kit	0.53 mm	0.7 mm	*	07361853
	SilTite FingerTite Bruker (Varian) Injector Kit	0.53 mm	0.7 mm	*	07361854

SilTite FingerTite Ferrules

Designed for each injector and detector, simplify your GC column installation

PerkinElmer

	Description	Column ID	Ferrule ID	Pack Size	Part No.
	SilTite FingerTite PerkinElmer Injector / GC-MS Kit	0.1-0.25 mm	0.4 mm	*	073623
	SilTite FingerTite PerkinElmer Injector / FID Kit	0.1-0.25 mm	0.4 mm	*	073622
	SilTite FingerTite PerkinElmer INJ / FID Kit	0.53 mm	0.7 mm	*	07362253
	SilTite FingerTite PerkinElmer Injector Kit	0.53 mm	0.7 mm	*	07362254

Shimadzu

	Description	Column ID	Ferrule ID	Pack Size	Part No.
	SilTite FingerTite Shimadzu 2010 INJ / FID Kit	0.1-0.25 mm	0.4 mm	§	073620
	SilTite FingerTite Shimadzu 2010 INJ / MS Kit	0.1-0.25 mm	0.4 mm	§	073621
	SilTite FingerTite Shimadzu 2010 INJ / FID Kit	0.53 mm	0.7 mm	§	07362053
	SilTite FingerTite Shimadzu 2010 Injector Kit	0.53 mm	0.7 mm	§	07362054
	SilTite FingerTite Shimadzu 17A INJ / FID Kit	0.53 mm	0.7 mm	§	07362853
	SilTite FingerTite Shimadzu 17A Injector Kit	0.53 mm	0.7 mm	§	07362854

Thermo Scientific

	Description	Column ID	Ferrule ID	Pack Size	Part No.
	SilTite FingerTite Thermo Injector / FID Kit	0.1-0.25 mm	0.4/0.5 mm	§	073614
	SilTite FingerTite Thermo Injector / GC-MS ISQ Kit	0.1-0.25 mm	0.4/0.5 mm	§	073615
	SilTite FingerTite Thermo Injector / GC-MS Kit	0.1-0.25 mm	0.4/0.5 mm	§	073616
	SilTite FingerTite Thermo INJ / FID Kit	0.53 mm	0.7 mm	§	07361453
	SilTite FingerTite Thermo Injector Kit	0.53 mm	0.7 mm	§	07361454
For TRACE™ 1300					
	SilTite FingerTite INJ / FID Kit	0.1-0.25 mm	0.4/0.5 mm	§	073610
	SilTite FingerTite Capillary / FID Kit	0.1-0.25 mm	0.4/0.5 mm	§	073611
	SilTite FingerTite INJ / MS Kit	0.1-0.25 mm	0.4/0.5 mm	§	073612
	SilTite FingerTite MS Adaptor	–	–	1	0736102
	SilTite FingerTite Injector	–	–	1	0736104

Replacement Items / Starter Kit

Description	Column ID	Ferrule ID	Pack Size	Part No.
SilTite FingerTite Kit 0.4 mm	0.1-0.25 mm	0.4 mm	†	0736100
SilTite FingerTite Kit 0.5 mm	0.32 mm	0.5 mm	†	0736105
SilTite FingerTite Ferrule 0.4 mm	0.1-0.25 mm	0.4 mm	10	073630
SilTite FingerTite Ferrule 0.5 mm	0.32 mm	0.5 mm	10	073631
SilTite FingerTite Ferrule 0.7 mm	0.53 mm	0.7 mm	10	073632
SilTite FingerTite Ferrule Blanking	–	–	2	073633
SilTite FingerTite Female Nut	–	–	5	073636
SilTite FingerTite Agilent INJ Base Seal	–	–	2	073640
SilTite FingerTite Agilent INJ Base Seal for use with 0.53 mm ID	–	–	2	07364053

§ 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 five SilTite FingerTite nuts, ten 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.

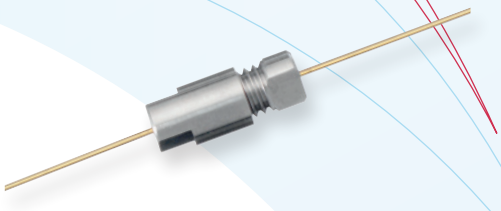
† 0.4 mm and 0.5 mm kits include ten ferrules for either 0.1-0.25 mm ID capillary columns (0.4) or 0.32 mm ID capillary columns (0.5), plus five SilTite FingerTite nuts and the ferrule install tool.

SilTite µ-Union

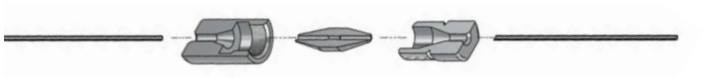
Designed to connect columns without the complications of conventional connectors

SilTite µ-Union allows tubing to be connected without concern of leakage from temperature cycling or fear of getting pieces of the ferrule stuck inside the tubing.

Low thermal mass: 9 mm in length and mass <0.5 g.



Column 1 ID	Column 2 ID	Pack Size	Part No.	Replacement Ferrules (Pk 10)	Replacement Nuts (Pk 5)
0.1-0.25 mm	0.1-0.25 mm	10	073560	073470	073553
0.1-0.25 mm	0.32 mm	10	073561	073470	073553
0.1-0.25 mm	0.53 mm	10	073562	073470	073553
0.32 mm	0.32 mm	10	073563	073471	073553
0.32 mm	0.53 mm	10	073564	073471	073553
0.53 mm	0.53 mm	10	073565	073472	073553



SilTite GC Connections

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SGE Analytical Science (SGE) is a world renowned brand for components and consumables used in scientific analysis.

Primarily in the field of scientific glass engineering for liquid handling and separation science, since its beginnings in 1960, SGE has become the global market leader in niche areas such as autosampler syringes and GC inlet liners.

Completing the transition into Trajan after acquisition in 2013, SGE products make up a solid foundation of Trajan's portfolio and will continue to be created and supported by Trajan customer service and distribution networks worldwide.

For more information visit www.sge.com or contact techsupport@sge.com.

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