



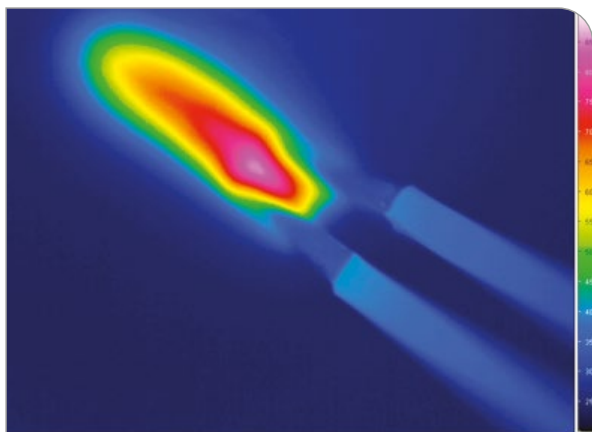
PRECISION
ELECTROSURGERY

SuperGliss® non-stick

Bipolar Forceps



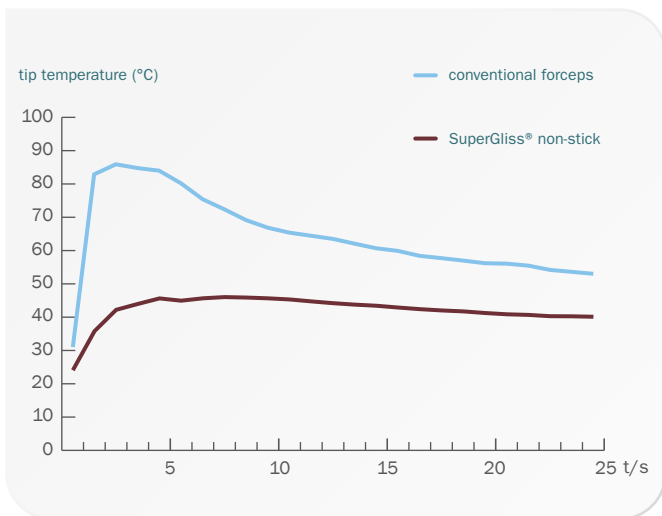
non-stick Technology



The material specially developed for SuperGliss® non-stick bipolar forceps prevents overheating of the tips during coagulation. Laboratory tests confirm the non-stick properties.*

SuperGliss® non-stick tips remain cool.

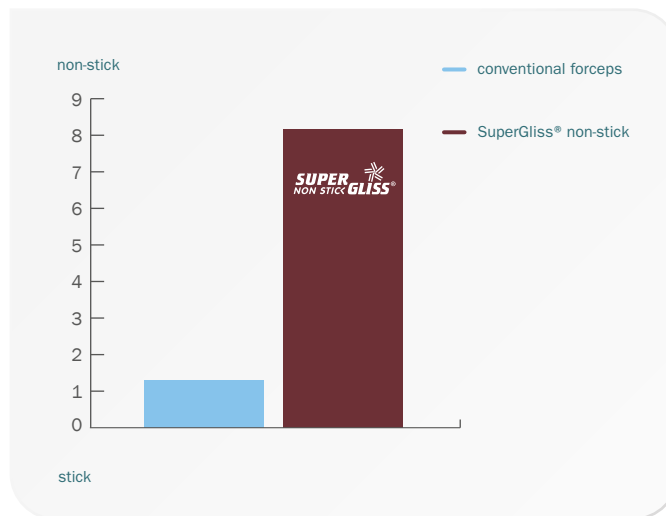
Performance



Test 1 – Temperature Change

In thermographic testing SuperGliss® non-stick bipolar forceps were compared with conventional steel bipolar forceps with the same tip width. The temperature at the tips was measured during coagulation for 25 seconds.*

The data highlights how SuperGliss® non-stick bipolar forceps peak at a maximum median temperature of just 46°C. In contrast conventional bipolar forceps reach a median peak temperature of 86°C. SuperGliss® non-stick bipolar forceps stay much cooler during coagulation. The lower temperature during coagulation may bring significant clinical benefits in increased ease of use and valuable time savings.



Test 2 – Non-stick Functionality

SuperGliss® non-stick bipolar forceps were tested against conventional steel bipolar forceps with the same tip width. The forceps were evaluated on their lack of tissue adhesion when coagulating for 7 seconds.*

Both types of bipolar forceps were rated on a scale of 0-10 where 0 is very sticky and 10 the ideal for lack of tissue adhesion. SuperGliss® non-stick bipolar forceps rated best for the lack of adhesion, substantially better than the conventional bipolar forceps.

* Sutter Medizintechnik, data on file, Emmendingen (Germany)

Tip Styles



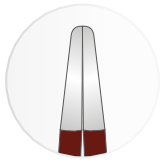
zhora
Delicate, eccentric tines with a 10° upward skew tip design.



MicroTip
The geometry makes the insulation disappear from the surgeon's sight and opens up the view through the tips.



ELP (Extra Low Profile)
Shorter and more delicate tips for fine, microsurgical interventions.



Classic
The classic plateau shape is designed to grasp, manipulate and coagulate selected tissue.



TEO
Round tips and more insulation towards the distal tips.

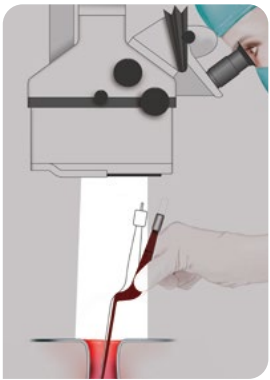
Features



Keeping the costs at bay: No disposable components; the entire instrument is autoclavable.



Continue to work as you are used to: The standard connector fits with all commonly known generators.













Visibility – The bayonet handle keeps your hand and the cable automatically out of the field of vision.

Microstructure



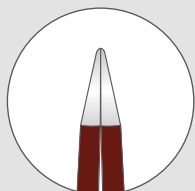
The microstructured tips with clearly defined edges are designed to grasp and manipulate selected tissue.

Color-coded tip size

color	tip size	US 2-pin connector
	0.2 mm	
	0.4 mm	
	0.7 mm	
	1.0 mm	
	1.2 mm and wider	



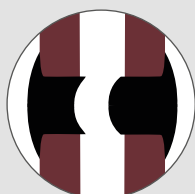
SuperGliss® non-stick zhora



The zhora tips are short and delicate.



Due to their eccentric tines by a 10° upward skew tip design, the tips may offer better visibility in the operating field.



CC guide – To match tines exactly and prevent scissoring of the tips.



Reinforced for optimized spring tension.



zhora



0.2 mm
10° eccentric

78 49 46 SGSZ

zhora



0.7 mm
10° eccentric

78 46 47 SGSZ

US 2-pin connector

Total length	14.5 cm (5.75")
Working length	4.0 cm (1.5")



zhora



0.2 mm
10° eccentric

78 49 66 SGSZ

zhora



0.4 mm
10° eccentric

78 49 64 SGSZ

zhora



0.7 mm
10° eccentric

78 49 67 SGSZ

zhora



1.0 mm
10° eccentric

78 49 60 SGSZ

US 2-pin connector

Total length	16.5 cm (6.6")
Working length	6.0 cm (2.4")



zhora



0.2 mm
10° eccentric
78 49 56 SGSZ

zhora



0.4 mm
10° eccentric
78 49 54 SGSZ

zhora



0.7 mm
10° eccentric
78 49 57 SGSZ

zhora



1.0 mm
10° eccentric
78 49 50 SGSZ

US 2-pin connector

Total length	18.0 cm (7.1")
Working length	7.5 cm (2.9")



zhora



0.2 mm
10° eccentric
78 49 86 SGSZ

zhora



0.4 mm
10° eccentric
78 49 84 SGSZ

zhora



0.7 mm
10° eccentric
78 49 87 SGSZ

zhora



1.0 mm
10° eccentric
78 49 80 SGSZ

US 2-pin connector

Total length	19.0 cm (7.5")
Working length	8.5 cm (3.25")



zhora



0.2 mm
10° eccentric
78 49 76 SGSZ

zhora



0.7 mm
10° eccentric
78 49 77 SGSZ

US 2-pin connector

Total length 20.0 cm (8.0")

Working length 9.5 cm (3.75")



zhora



0.2 mm
10° eccentric
78 49 96 SGSZ

zhora



0.4 mm
10° eccentric
78 49 94 SGSZ

zhora



0.7 mm
10° eccentric
78 49 97 SGSZ

zhora



1.0 mm
10° eccentric
78 49 90 SGSZ

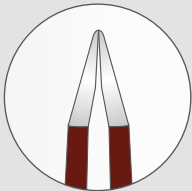
US 2-pin connector

Total length 23.0 cm (9.0")

Working length 12.5 cm (5.0")



SuperGliss® non-stick ELP



The ELP (Extra Low Profile) tips are shorter and more delicate*. They are designed to meet the challenges of fine, microsurgical interventions.



Guide-Stop™
Easy and comfortable dissection with the patented Guide-Stop™.

The spring force of the instrument may aid in facilitating dissection.

The Guide-Stop™ closes the instrument precisely tip to tip.



ELP



0.2 mm

78 04 69 SLS

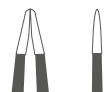
ELP



0.4 mm

78 01 69 SLS

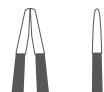
ELP



0.7 mm

78 01 68 SLS

ELP



1.0 mm

78 01 67 SLS

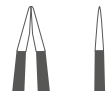
US 2-pin connector

Total length 16.0 cm (6.25")

Working length 5.5 cm (2.25")



ELP



0.2 mm

78 24 89 SLS

ELP



0.4 mm

78 21 89 SLS

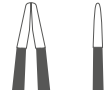
ELP



0.7 mm

78 21 83 SLS

ELP



1.0 mm

78 21 81 SLS

US 2-pin connector

Total length 19.0 cm (7.5")

Working length 8.5 cm (3.25")

* Compared to standard SuperGliss® non-stick bipolar forceps.



ELP



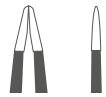
0.2 mm
78 04 99 SLS

ELP



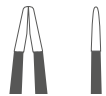
0.4 mm
78 01 99 SLS

ELP



0.7 mm
78 01 91 SLS

ELP



1.0 mm
78 01 98 SLS

US 2-pin connector	
Total length	22.0 cm (8.75")
Working length	11.5 cm (4.5")

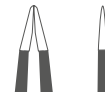


ELP



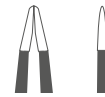
0.2 mm
78 05 99 SLS

ELP



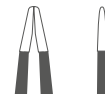
0.4 mm
78 02 99 SLS

ELP



0.7 mm
78 02 91 SLS

ELP

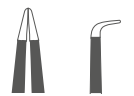


1.0 mm
78 02 98 SLS

US 2-pin connector	
Total length	24.0 cm (9.5")
Working length	13.5 cm (5.25")



ELP



0.4 mm
80° angled upwards
78 23 86 SLS

ELP



0.4 mm
80° angled downw.
78 23 87 SLS

US 2-pin connector	
Total length	19.0 cm (7.5")
Working length	8.5 cm (3.25")

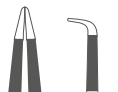


ELP



0.4 mm
80° angled upwards
78 23 96 SLS

ELP



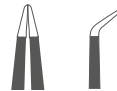
0.4 mm
80° angled downw.
78 23 97 SLS

US 2-pin connector

Total length	22.0 cm (8.75")
Working length	11.5 cm (4.5")

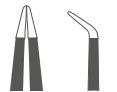


ELP



0.4 mm
45° angled upwards
78 22 86 SLS

ELP



0.4 mm
45° angled downw.
78 22 87 SLS

ELP



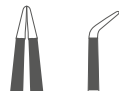
0.4 mm
15° angled upwards
78 25 85 SLS

US 2-pin connector

Total length	19.0 cm (7.5")
Working length	8.5 cm (3.25")

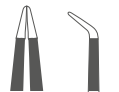


ELP



0.4 mm
45° angled upwards
78 22 96 SLS

ELP



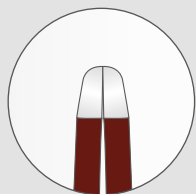
0.4 mm
45° angled downw.
78 22 97 SLS

US 2-pin connector

Total length	22.0 cm (8.75")
Working length	11.5 cm (4.5")



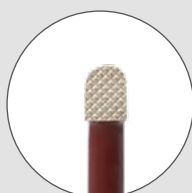
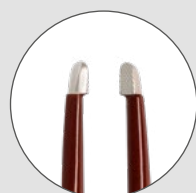
SuperGliss® non-stick TEO



The SuperGliss® non-stick TEO product line provides rounder tips and more insulation towards the distal tip.*¹



Different angles enable the surgeon to work “around corners”.



The tips are serrated for improved grasping of tissue.*²



Guide-Stop™
Easy and comfortable dissection with the patented Guide-Stop™.

The spring force of the instrument may aid in facilitating dissection.

The Guide-Stop™ closes the instrument precisely tip to tip.

*¹ Compared to standard SuperGliss® non-stick bipolar forceps.

*² Sutter Medizintechnik, data on file, Emmendingen (Germany)



TEO



0.5 mm

78 30 52 SGS

TEO



1.0 mm

78 30 51 SGS

TEO



1.5 mm

78 30 53 SGS

US 2-pin connector

Total length 19.0 cm (7.5")

Working length 8.5 cm (3.25")



TEO



0.5 mm

78 31 91 SGS

TEO



1.0 mm

78 31 92 SGS

TEO



1.5 mm

78 31 93 SGS

TEO



2.0 mm

78 31 93 SGS

US 2-pin connector

Total length 22.0 cm (8.75")

Working length 11.5 cm (4.5")



TEO


1.0 mm
78 32 75 SGS

TEO


1.5 mm
78 32 53 SGS

TEO


2.0 mm
78 32 76 SGS

US 2-pin connector

Total length24.0 cm (9.5")

Working length13.5 cm (5.25")



TEO


2.0 mm
78 31 97 SGS
60° and 10.0 mm
angled upwards

TEO


2.0 mm
78 31 96 SGS
60° and 7.0 mm
angled upwards

TEO


2.0 mm
78 31 95 SGS
60° and 5.0 mm
angled upwards

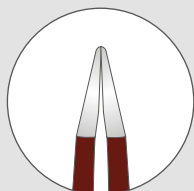
US 2-pin connector

Total length22.0 cm (8.75")

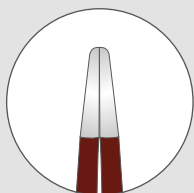
Working length11.5 cm (4.5")



SuperGliss® non-stick



The **MicroTip** geometry makes the insulation disappear from the surgeon's sight and opens up the view through the tips.



The **classic plateau** shape is designed to grasp, manipulate and coagulate selected tissue.



Guide-Stop™
Easy and comfortable dissection with the patented Guide-Stop™.

The spring force of the instrument may aid in facilitating dissection.

The Guide-Stop™ closes the instrument precisely tip to tip.



MicroTip



0.2 mm

78 04 37 SGS

MicroTip



0.4 mm

78 02 37 SGS

MicroTip



0.7 mm

78 02 38 SGS

Classic



0.7 mm
45° angled

78 02 39 SGS

Classic



1.0 mm

78 02 43 SGS

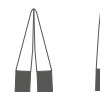
US 2-pin connector

Total length 11.0 cm (4.25")

Working length 3.0 cm (1.25")



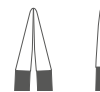
MicroTip



0.2 mm

78 24 54 SGS

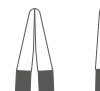
MicroTip



0.4 mm

78 21 54 SGS

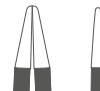
MicroTip



0.7 mm

78 21 52 SGS

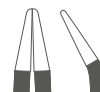
Classic



1.0 mm

78 21 51 SGS

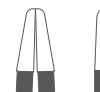
Classic



1.0 mm
30° angled

78 21 57 SGS

Classic



2.0 mm

78 21 58 SGS

US 2-pin connector

Total length 15.5 cm (6.1")

Working length 4.0 cm (1.57")

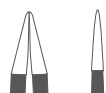


MicroTip



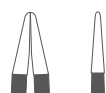
0.2 mm
78 04 54 SGS

MicroTip



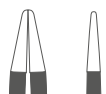
0.4 mm
78 01 54 SGS

MicroTip



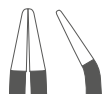
0.7 mm
78 01 52 SGS

Classic



1.0 mm
78 01 51 SGS

Classic



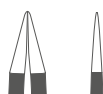
1.0 mm
30° angled
78 01 57 SGS

US 2-pin connector

Total length	17.5 cm (7.0")
Working length	4.5 cm (1.75")

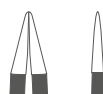


MicroTip



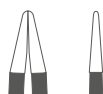
0.2 mm
78 04 79 SGS

MicroTip



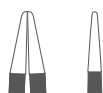
0.4 mm
78 01 79 SGS

MicroTip



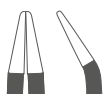
0.7 mm
78 01 72 SGS

Classic



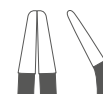
1.0 mm
78 01 71 SGS

Classic



1.0 mm
30° angled
78 01 75 SGS

Classic



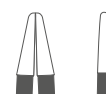
2.0 mm
30° angled
78 01 76 SGS

US 2-pin connector

Total length	19.0 cm (7.5")
Working length	6.0 cm (2.5")

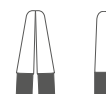


Classic



1.5 mm
78 02 71 SGS

Classic



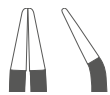
2.0 mm
78 02 72 SGS

US 2-pin connector

Total length	22.0 cm (8.75")
Working length	9.0 cm (3.5")



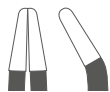
Classic



1.0 mm
30° angled

78 02 75 SGS

Classic



2.0 mm
30° angled

78 02 76 SGS

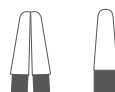
US 2-pin connector

Total length 25.0 cm (9.75")

Working length 12.0 cm (4.75")



Classic



2.5 mm

78 02 81 SGS

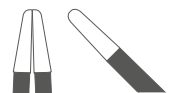
US 2-pin connector

Total length 27.0 cm (10.5")

Working length 14.0 cm (5.5")



Classic



2.0 mm

78 01 78 SGS
type „Meuser“
tip 2 mm

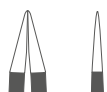
US 2-pin connector

Total length 17.0 cm (6.75")

Working length 5.0 cm (2.0")



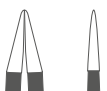
MicroTip



0.2 mm

78 04 49 SGS

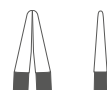
MicroTip



0.4 mm

78 01 49 SGS

MicroTip



0.7 mm

78 01 48 SGS

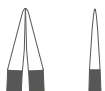
US 2-pin connector

Total length 14.5 cm (5.75")

Working length 4.0 cm (1.5")



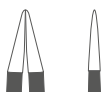
MicroTip



0.2 mm

78 04 69 SGS

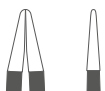
MicroTip



0.4 mm

78 01 69 SGS

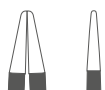
MicroTip



0.7 mm

78 01 68 SGS

Classic



1.0 mm

78 01 67 SGS

US 2-pin connector

Total length 16.0 cm (6.25")

Working length 5.5 cm (2.25")



MicroTip



0.2 mm

78 24 89 SGS

MicroTip



0.4 mm

78 21 89 SGS

MicroTip



0.7 mm

78 21 83 SGS

Classic



1.0 mm

78 21 81 SGS

Classic



1.2 mm

78 21 84 SGS

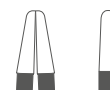
Classic



1.5 mm

78 21 80 SGS

Classic



2.0 mm

78 21 82 SGS

US 2-pin connector

Total length 19.0 cm (7.5")

Working length 8.5 cm (3.25")



Classic



1.2 mm
45° angled downw.
78 22 85 SGS

Classic



1.2 mm
45° angled upwards
78 22 88 SGS

Classic



1.5 mm
45° angled upwards
78 21 80 SGS

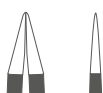
US 2-pin connector

Total length 19.0 cm (7.5")

Working length 8.5 cm (3.25")

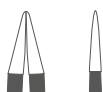


MicroTip



0.2 mm
78 01 99 SGS

MicroTip



0.4 mm
78 01 99 SGS

MicroTip



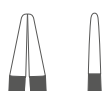
0.7 mm
78 01 91 SGS

Classic



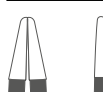
1.0 mm
78 01 98 SGS

Classic



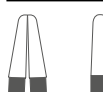
1.2 mm
78 01 92 SGS

Classic



1.5 mm
78 01 90 SGS

Classic



2.0 mm
78 01 93 SGS

US 2-pin connector

Total length 22.0 cm (8.75")

Working length 11.5 cm (4.5")

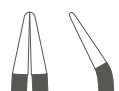


Classic



0.7 mm
45° angled upwards
78 01 94 SGS

Classic



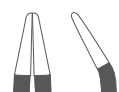
0.7 mm
45° angled downw.
78 01 96 SGS

Classic



1.2 mm
45° angled upwards
78 01 95 SGS

Classic



1.2 mm
45° angled downw.
78 01 97 SGS

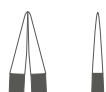
US 2-pin connector

Total length 22.0 cm (8.75")

Working length 11.5 cm (4.5")

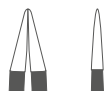


MicroTip



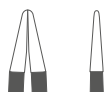
0.2 mm
78 05 99 SGS

MicroTip



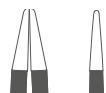
0.4 mm
78 02 99 SGS

MicroTip



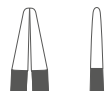
0.7 mm
78 02 91 SGS

Classic



1.0 mm
78 02 98 SGS

Classic



1.2 mm
78 02 92 SGS

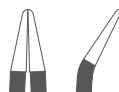
US 2-pin connector

Total length 24.0 cm (9.5")

Working length 13.5 cm (5.25")



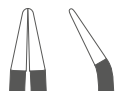
Classic



0.7 mm
45° angled upwards

78 02 94 SGS

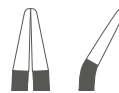
Classic



0.7 mm
45° angled downw.

78 02 96 SGS

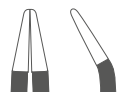
Classic



1.2 mm
45° angled upwards

78 02 95 SGS

Classic



1.2 mm
45° angled downw.

78 02 97 SGS

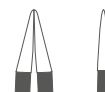
US 2-pin connector

Total length 24.0 cm (9.5")

Working length 13.5 cm (5.25")

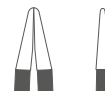


MicroTip



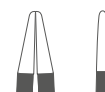
0.4 mm
78 03 99 SGS

MicroTip



0.7 mm
78 03 91 SGS

Classic



1.2 mm
78 03 92 SGS

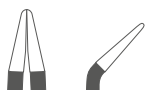
US 2-pin connector

Total length 26.0 cm (10.25")

Working length 15.5 cm (6.0")



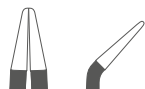
Classic



0.7 mm
45° angled upwards

78 03 94 SGS

Classic



1.2 mm
45° angled upwards

78 03 95 SGS

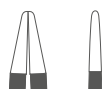
US 2-pin connector

Total length 26.0 cm (10.25")

Working length 15.5 cm (6.0")



Classic



0.7 mm






78 03 81 SG

US 2-pin connector

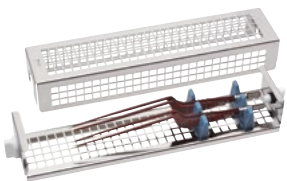
Total length 28.0 cm (11.4")

Working length 17.5 cm (6.9")

Accessories


Cables			
Generator connector	Length	Safety connector / US 2-pin connector	Angled safety connector / US 2-pin connector
Sutter CURIS® 	3.0 m	37 01 54 S	37 01 54 SG
US Standard, Erbe ICC International 	4.5 m	37 01 35 S	37 01 35 SG
Valleylab/Covidien 	4.5 m	37 01 50 S	37 01 50 SG
Olympus, Erbe VIO International 	4.5 m	37 01 53 S	37 01 53 SG
Ellman 	3.0 m	37 01 40 S	37 01 40 SG

Instrument tray (2) without instruments




70 17 25
For 2 forceps with US 2-pin connector

Instrument tray (5) without instruments



70 17 65
For 5 forceps with US 2-pin connector

Instrument tray (10) without instruments



70 17 67
For 10 forceps with US 2-pin connector

Product availability is subject to regulatory approval in individual markets. Products may therefore not be available in all markets. The listed lengths and sizes serve as a guideline and may be rounded up or down. The actual lengths may vary slightly.

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