



SuperGliss[®] non-stick

Bipolar Forceps



SUPER
NON STICK **GLISS**[®]

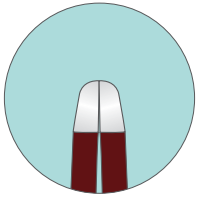
zhora

ELP

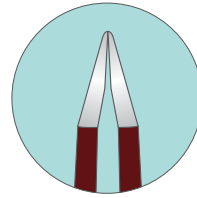
TEO

**PRECISION
ELECTROSURGERY**

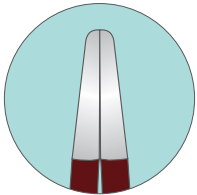
Tips



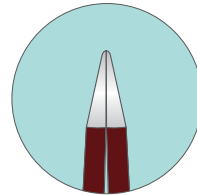
TE0 forceps have short and rounder tips compared to the other SuperGliss® models. Different angles enable the surgeon to work „around corners“.



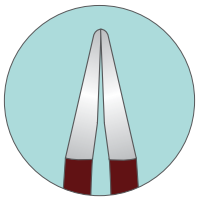
The **Extra Low Profile (ELP)** tips are shorter and more delicate. They are designed to meet the challenges of fine, microsurgical interventions.



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













The new **Zhora** forceps offer short and delicate tips. Thanks to their 10° upward skew, Zhora tips may offer better visibility in the operating field.



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

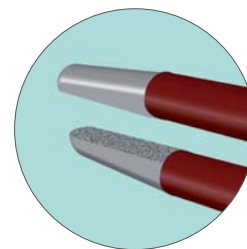
Color-coded tip size

Color	Tip size	2-pin connector
	0.2 mm	
	0.4 mm	
	0.7 mm	
	1.0 mm	
	1.2 mm and taller	

Microstructure



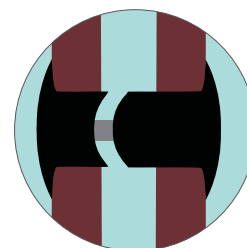
Microstructure with clearly defined edges on the tip is designed to grasp and manipulate selected tissue.



Guide-Stop™



Easy and comfortable dissection with the new, **patented** Guide-Stop™. The spring force of the instrument may aid in facilitating dissection. The Guide-Stop™ closes the instrument precisely tip to tip.



patented

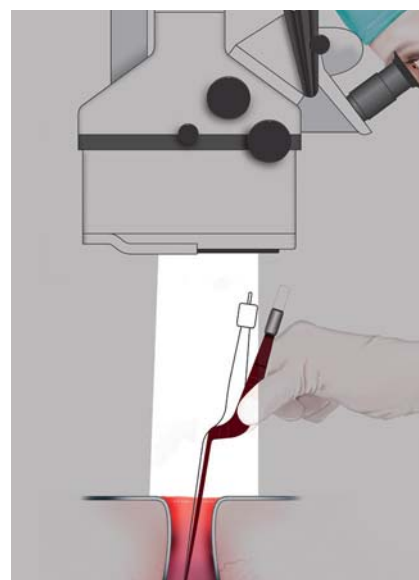
Features



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



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



Visibility – an additional bayonet angle keeps your hand and the cable automatically out of the field of vision.



I have been practicing microsurgery for 30 years and have used many different brands of bipolar forceps. I have never been quite happy with the thickness of the tips, the length of the exposed, non-insulated portion, length of the arms, profile of the arms, grip of the ends and balance of the entire instrument. These Sutter bipolars offer the versatility required for standard microsurgery and endoscopic assisted surgery. They are well-balanced, have a minimal amount of non-insulated ends for obvious benefits, tips with different thickness for different tissues, various angled tips for different viewing angles and good grip. I believe they are the best bipolars on the market.

**Charlie Teo, POW Private Hospital
Randwick (Australia)**

88 00 06 – SuperGliss® non-stick TEO-Set (with US connector)

Qty.	REF	Description
1	78 31 91SGS	Bip. Forceps SuperGliss® non-stick 22.0 cm, bayonet, tip 0.5 x 3.0 mm acc. Dr. Teo
1	78 31 92SGS	Bip. Forceps SuperGliss® non-stick 22.0 cm, bayonet, tip 1.0 x 3.0 mm acc. Dr. Teo
1	78 31 93SGS	Bip. Forceps SuperGliss® non-stick 22.0 cm, bayonet, tip 2.0 x 3.0 mm acc. Dr. Teo
1	78 31 95SGS	Bip. Forceps SuperGliss® non-stick 22.0 cm, bayonet, tip 2,0 x 3,0 mm 60° 5.0 mm angled upward acc. Dr. Teo
1	78 31 96SGS	Bip. Forceps SuperGliss® non-stick 22.0 cm, bayonet, tip 2,0 x 3,0 mm 60° 7.0 mm angled upward acc. Dr. Teo
1	78 31 97SGS	Bip. Forceps SuperGliss® non-stick 22.0 cm, bayonet, tip 2,0 x 3,0 mm 60° 10.0 mm angled upward acc. Dr. Teo
1	78 32 75SGS	Bip. Forceps SuperGliss® non-stick 24.0 cm, bayonet, tip 1.0 x 3.0 mm acc. Dr. Teo
1	78 32 76SGS	Bip. Forceps SuperGliss® non-stick 24.0 cm, bayonet, tip 2.0 x 3.0 mm acc. Dr. Teo
1	70 17 67	Sterilisation tray for the admission of 10 Bipolar Forceps with US-connector

SuperGliss® non-stick TEO To Scale 1:1



0.5 mm
78 31 91 SGS
 TEO

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



1.0 mm
78 31 92 SGS
 TEO

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



2.0 mm
78 31 93 SGS
 TEO

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

SuperGliss® non-stick TEO To Scale 1:1



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

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



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

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



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

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



1.0 mm
78 32 75 SGS
TEO

US 2-pin connector

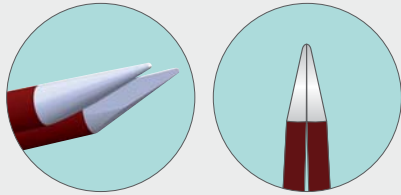
Total length	9.5" (24.0 cm)
Working length	5.25" (13.5 cm)



2.0 mm
78 32 76 SGS
TEO

US 2-pin connector

Total length	9.5" (24.0 cm)
Working length	5.25" (13.5 cm)



side view

top view

- ➔ Delicate tip design with a 10° upward skew.
 - ➔ Thanks to their special design, the tips are clearly visible in the operating field, especially in narrow and confined spaces.
 - ➔ **CC guide**
-
- ➔ Reinforced for optimized spring tension.



Zhora

0,2 x 5,0 mm
10° excentric
78 49 46 SG SZ

US 2-pin connector	
Total length	5.75" (14.5 cm)
Working length	1.5" (4.0 cm)




Zhora

0,2 x 5,0 mm
10° excentric
78 49 86 SG SZ

US 2-pin connector	
Total length	7.75" (19.0 cm)
Working length	3.25" (8.5 cm)




Zhora


 0,2 x 5,0 mm
 10° excentric
78 49 76 SGSZ

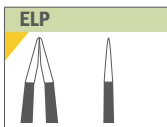
US 2-pin connector	
Total length	8.0" (20.0 cm)
Working length	3.75" (9.5 cm)



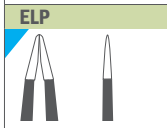
Zhora


 0,2 x 5,0 mm
 10° excentric
78 49 96 SGSZ

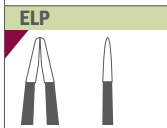
US 2-pin connector	
Total length	9.0" (23.0 cm)
Working length	5.0" (12.5 cm)



0.2 mm
78 04 69 SLS

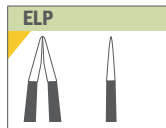


0.4 mm
78 01 69 SLS

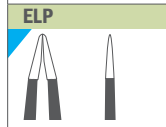


0.7 mm
78 01 68 SLS

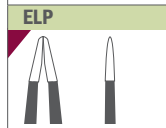
US 2-pin connector	
Total length	6.25" (16.0 cm)
Working length	2.25" (5.5 cm)



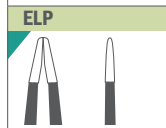
0.2 mm
78 24 89 SLS



0.4 mm
78 21 89 SLS

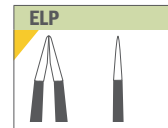


0.7 mm
78 21 83 SLS

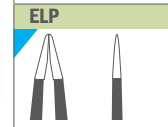


1.0 mm
78 21 81 SLS

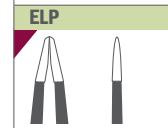
US 2-pin connector	
Total length	7.5" (19.0 cm)
Working length	3.25" (8.5 cm)



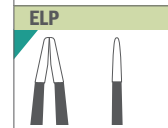
0.2 mm
78 04 99 SLS



0.4 mm
78 01 99 SLS



0.7 mm
78 01 91 SLS



1.0 mm
78 01 98 SLS

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



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 9.5" (24.0 cm)
Working length 5.25" (13.5 cm)



ELP



0.4 mm
80° angled upwards
78 23 86 SLS

ELP



0.4 mm
80° angled downw.
78 23 87 SLS

ELP



0.4 mm
45° angled upwards
78 22 86 SLS

ELP



0.4 mm
45° angled downw.
78 22 87 SLS

US 2-pin connector

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



ELP



0.4 mm
80° angled upwards
78 23 96 SLS

ELP



0.4 mm
80° angled downw.
78 23 97 SLS

ELP



0.4 mm
45° angled upwards
78 22 96 SLS

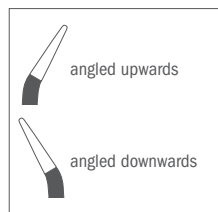
ELP



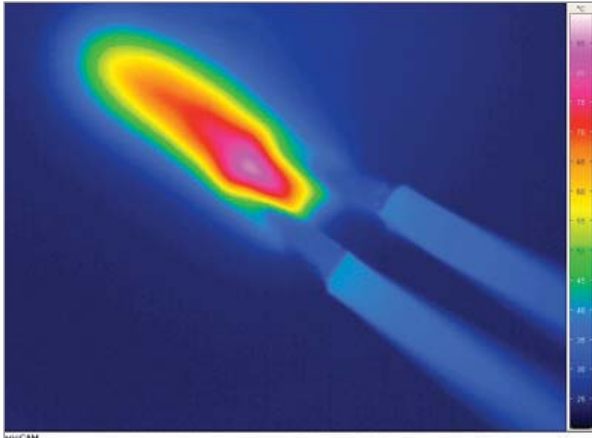
0.4 mm
45° angled downw.
78 22 97 SLS

US 2-pin connector

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



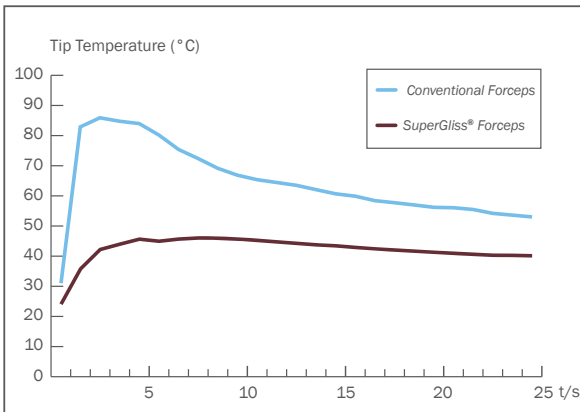
Technology



SuperGliss® non-stick tips remain cool.

The material specially developed for SuperGliss® non-stick forceps prevents overheating of the tips during coagulation. Laboratory tests confirm the non-stick properties¹.

Performance

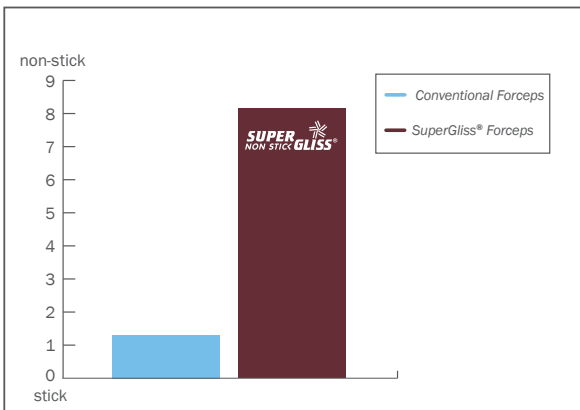


Test 1 – Temperature Change

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 seconds¹.

The data highlights how the SuperGliss® forceps peak at a maximum median temperature of just 46°C. In contrast the conventional bipolars reach a median peak temperature of 86°C.

The SuperGliss® forceps stay much cooler during coagulation. The lower temperature during coagulation may bring benefits in increased ease of use and valuable time savings.



Test 2 – Non-stick Functionality

The SuperGliss® bipolar forceps were tested against conventional steel bipolars with the same tip width.

The forceps were evaluated on their lack of tissue adhesion when coagulating for 7 seconds¹.

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.

The SuperGliss® non-stick bipolar forceps rated best for the lack of adhesion, substantially better than the conventional bipolar forceps.

¹ Sutter Medizintechnik, data on file, Freiburg



MicroTip

0.2 mm
78 04 37 SGS

MicroTip

0.4 mm
78 02 37 SGS

MicroTip

0.7 mm
78 02 38 SGS

MicroTip

0.7 mm
78 02 39 SGS

MicroTip

1.0 mm
78 02 43 SGS

US 2-pin connector	
Total length	4.25" (11.0 cm)
Working length	1.25" (3.0 cm)



MicroTip

0.2 mm
78 04 54 SGS

MicroTip

0.4 mm
78 01 54 SGS

MicroTip

0.7 mm
78 01 52 SGS

MicroTip

1.0 mm
78 01 51 SGS

MicroTip

1.0 mm
78 01 57 SGS

US 2-pin connector	
Total length	7.0" (17.5 cm)
Working length	1.75" (4.5 cm)



MicroTip

0.2 mm
78 04 79 SGS

MicroTip

0.4 mm
78 01 79 SGS

MicroTip

0.7 mm
78 01 72 SGS

MicroTip

1.0 mm
78 01 71 SGS

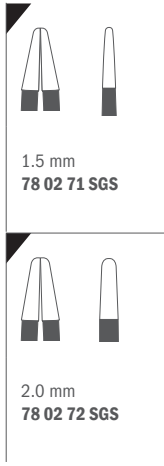
MicroTip

1.0 mm
78 01 75 SGS

MicroTip

2.0 mm
78 01 76 SGS

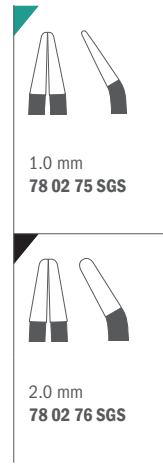
US 2-pin connector	
Total length	7.5" (19.0 cm)
Working length	2.5" (6.0 cm)



1.5 mm
78 02 71 SGS

2.0 mm
78 02 72 SGS

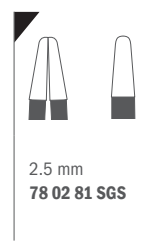
US 2-pin connector	
Total length	8.75" (22.0 cm)
Working length	3.5" (9.0 cm)



1.0 mm
78 02 75 SGS

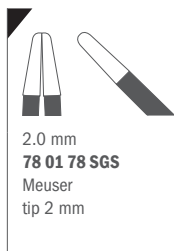
2.0 mm
78 02 76 SGS

US 2-pin connector	
Total length	9.75" (25.0 cm)
Working length	4.75" (12.0 cm)

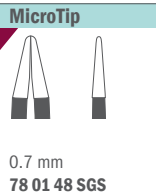
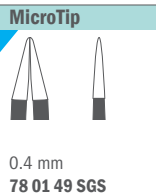
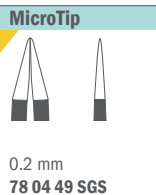


2.5 mm
78 02 81 SGS

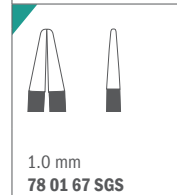
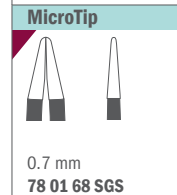
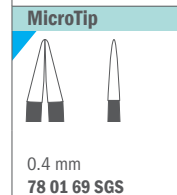
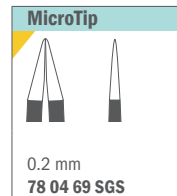
US 2-pin connector	
Total length	10.5" (27.0 cm)
Working length	5.5" (14.0 cm)



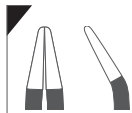
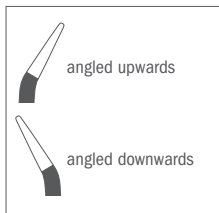
US 2-pin connector	
Total length	6.75" (17.0 cm)
Working length	2.0" (5.0 cm)



US 2-pin connector	
Total length	5.75" (14.5 cm)
Working length	1.5" (4.0 cm)



US 2-pin connector	
Total length	6.25" (16.0 cm)
Working length	2.25" (5.5 cm)

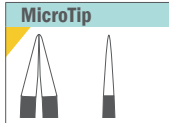


1.2 mm
78 22 85 SGS

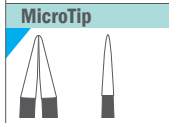


1.2 mm
78 22 88 SGS

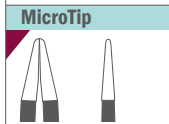
US 2-pin connector	
Total length	7.5" (19.0 cm)
Working length	3.25" (8.5 cm)



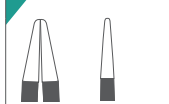
0.2 mm
78 04 99 SGS



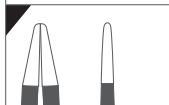
0.4 mm
78 01 99 SGS



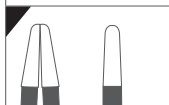
0.7 mm
78 01 91 SGS



1.0 mm
78 01 98 SGS

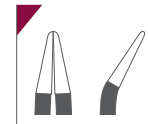
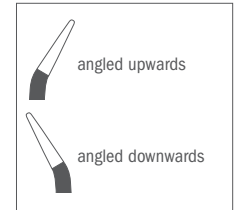


1.2 mm
78 01 92 SGS



2.0 mm
78 01 93 SGS

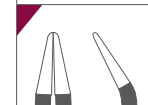
US 2-pin connector	
Total length	8.75" (22.0 cm)
Working length	4.5" (11.5 cm)



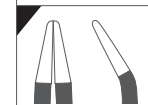
0.7 mm
78 01 94 SGS



1.2 mm
78 01 95 SGS



0.7 mm
78 01 96 SGS



1.2 mm
78 01 97 SGS

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



MicroTip



0.2 mm
78 05 99 SGS

MicroTip



0.4 mm
78 02 99 SGS

MicroTip



0.7 mm
78 02 91 SGS

MicroTip



1.0 mm
78 02 98 SGS

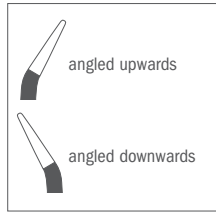
MicroTip



1.2 mm
78 02 92 SGS

US 2-pin connector

Total length 9.5" (24.0 cm)
Working length 5.25" (13.5 cm)



MicroTip



0.7 mm
78 02 94 SGS

MicroTip



1.2 mm
78 02 95 SGS

MicroTip



0.7 mm
78 02 96 SGS

MicroTip



1.2 mm
78 02 97 SGS

US 2-pin connector

Total length 9.5" (24.0 cm)
Working length 5.25" (13.5 cm)



MicroTip



0.2 mm
78 24 89 SGS

MicroTip



0.4 mm
78 21 89 SGS

MicroTip



0.7 mm
78 21 83 SGS

MicroTip



1.0 mm
78 21 81 SGS

MicroTip



1.2 mm
78 21 84 SGS

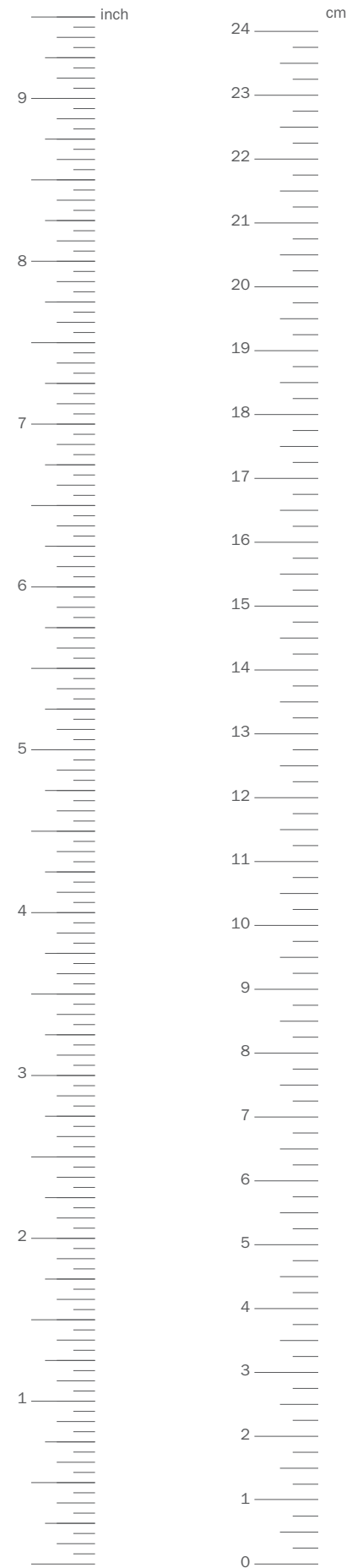
MicroTip












2.0 mm
78 21 82 SGS

US 2-pin connector

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



SuperGliss® non-stick Accessories

Accessories				
Generator connector	Length	 Safety connector / Europ. flat connector	 Angled connector / Europ. flat connector	 Safety connector / US pin connector
 Sutter BM-780 II, Martin, Berchtold, Aesculap	4.5 m	37 01 38 L	37 01 38 G	37 01 38 S
 Erbe, Storz, Wolf	4.5 m	37 01 30 L	37 01 30 G	37 01 30 S
 US Standard, Erbe ICC International	4.5 m	37 01 35 L	37 01 35 G	37 01 35 S
 Valleylab, Lamidey, EMC, Bowa	4.5 m	37 01 50 L	37 01 50 G	37 01 50 S
 Olympus, Söring, Coa Comp, Erbe VIO International	4.5 m	37 01 53 L	37 01 53 G	37 01 53 S
 Ellman	3.0 m	37 01 40 L	---	37 01 40 S

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