



■ LAPAROSCOPY

Developed and manufactured in Germany.



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- 04** Instrument Holding Systems
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2026 Product catalog

MEDICAL MONITORS



Specifications

- ▷ Screen Size 24"
- ▷ Resolution 1920 x 1080
- ▷ Brighthness 600cd/m'
- ▷ Color Depth 16.7M colors
- ▷ Viewing angle 78/178
- ▷ Response time (GtoG) 14ms

M-24CL1

COMBO

4K Camera + 200w. LED Lightsource, Records in 4K UHD 3840x2160



Specifications

- ▷ LED 200
 - ▷ 1/2.8" CMOS Sensor
 - ▷ Color: 0.1Lux@F1.2
 - ▷ 3840x2160 / 60Hz 4K UHD
 - ▷ 12G-SDI / 4K
 - ▷ HDMI 2.0 (4K)
 - ▷ C-Video composite video
 - ▷ 5300 K
 - ▷ Width: 27 cm / Depth: 32 cm / Height: 12 cm
- Code: C4K-L200

* The set has: Equipment camera led combo, Wireless 1080p Camera and 2.5 ligh cable.

HIGH FLOW 40-LITER INSUFFLATOR



**2 Years
Warranty**

Specifications

- ▷ Digital Insufflator 40 litros
- ▷ The highest flow rate available on the market
- ▷ Optional gas heating technology
- ▷ Surgivent-electronic venting system for added safety
- ▷ Visual and audible warning signals
- ▷ Safety Relief Valve
- ▷ Internal Leakage Detection

E-IN40

AUTOCLAVE
134° C / 273° F

HD



Laparoscope, Ø 5 mm, WL 300 mm

Direction of view

Code

0°	E050-300-00
30°	E050-300-30
45°	E050-300-45

Laparoscope, Ø 6.5 mm, WL 300 mm

Direction of view

Code

0°	E065-300-00
30°	E065-300-30

Laparoscope, Ø 10 mm, WL 300 mm

Direction of view

Code

0°	E100-310-00
30°	E100-310-30
45°	E100-310-45

Bariatric Laparoscope, Ø 10 mm, WL 400 mm

Direction of view

Code

0°	E100-400-00
30°	E100-400-30
45°	E100-400-45

Endoscope - Adapter

Storz/ Olympus



Code

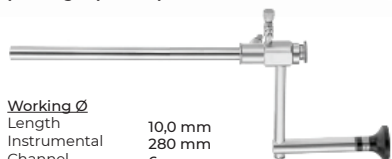
L1-005-01

Wolf



L1-005-02

Operating Laparoscope



Working Ø

Length	10,0 mm
Instrumental	280 mm
Channel	6 mm
Direction of view	0°

Code

L1-006-01

**Stop cock for Ø10 mm Operating Laparoscope
incl. 1 stop cock and sealling cap**

Code

L1-006-02



Sealing cap for stop cock

Code

L1-006-03

Ring applicator



Working Ø 6 mm, WL 330 mm

Working Ø 7 mm, WL 290 mm

Insert cones for (L1-007-01/L1-007-02)

Applier for (L1-007-01/L1-007-02)

L1-007-01

L1-007-02

L1-007-03

L1-007-04

Silicon Rings, 50 pcs./pack

L1-007-05

Universal Light Cable

Ø	Working lenght	Code
3.5 mm	1800 mm	E1-035-18
3.5 mm	2300 mm	E1-035-23
3.5 mm	3000 mm	E1-035-30
4.8 mm	1800 mm	E1-048-18
4.8 mm	2300 mm	E1-048-23
4.8 mm	3000 mm	E1-048-30

With silicone-rubber sheath, autoclavable, waterproof, very flexible, heat resistant from approx. -60° to +180° Centigrade.



Light Cable - Light Source - Adapter

Storz



Code

E1-1-S

Olympus



E1-1-O

Wolf / Dyonics



E1-1-WD

ACMI / British Standard



E1-1-AB

Pentax



E1-1-P

Fuji



E1-1-F

Light Cable - Endoscope - Adapter

Storz / Olympus



Code

E1-2-SO

Wolf



E1-2-W

ACMI



E1-2-A

Instrument Holding Systems



For 10 mm scopes or instruments,
420 mm Working Radius

E2-001-01

For 3-10 mm scopes or instruments,
420 mm Working Radius

E2-001-02

Instrument L-Holder



Instrument L-Holder for 10 mm scopes or
instruents, 480 mm working radius

E2-001-03

Instrument L-Holder for 3-10 mm scopes or
instruents, 480 mm working radius

E2-001-04

Liver retractor



Code

Live retractor for universal holder, medium E2-002-01

Live retractor for universal holder, large E2-002-02



Universal retractor holder

Code

E2-002-03



Endoscope holder Ø 8 / 10 mm

Code

E2-002-04



Universal Endoscope holder

Ø 2,7 - 10 mm

Code

E2-002-05



Joint extension 180mm long-lockable

Code

E2-002-06



Double tube holder

made of aluminium

Code

E2-002-07



Universal tube holding plate

Code

E2-002-08

Trumpet Valve Cannula

<u>Inside-Ø</u>	<u>with metal smooth sleeve</u>	<u>with metal threaded sleeve</u>
5.5 mm	L2-010-05	L2-011-05
11.0 mm	L2-010-11	L2-011-11
12.5 mm	L2-010-12	L2-011-12

Automatic Valve Cannula

<u>Inside-Ø</u>	<u>with metal smooth sleeve</u>	<u>with metal threaded sleeve</u>
3.5 mm	L2-020-03	L2-021-03
5.5 mm	L2-020-05	L2-021-05
7.5 mm	L2-020-07	L2-021-07
11.0 mm	L2-020-11	L2-021-11
12.5 mm	L2-020-12	L2-021-12

Automatic Cannula with manual lever

<u>Inside-Ø</u>	<u>with metal smooth sleeve</u>	<u>with metal threaded sleeve</u>
5.5 mm	L2-030-05	L2-031-05
7.5 mm	L2-030-07	L2-031-07
11.0 mm	L2-030-11	L2-031-11
12.5 mm	L2-030-12	L2-031-12

LITE-LINE Cannula with silicone seal w/o stopcock

<u>Inside-Ø</u>	<u>with metal smooth sleeve</u>	<u>with metal threaded sleeve</u>
5.5 mm	L2-040-05	L2-041-05

LITE-LINE**Cannula with silicone seal with stopcock**

<u>Inside-Ø</u>	<u>with metal smooth sleeve</u>	<u>with metal threaded sleeve</u>
5.5 mm	L2-050-05	L2-051-05
1.0 mm	L2-050-11	L2-051-11
12.5 mm	L2-050-12	L2-051-12

LITE-LINE**Silicone seals**

<u>Length</u>	<u>Code</u>
5.5 mm	L2-052-05
11.0/12.5 mm	L2-052-11

Hasson Cannula Set

<u>Inside-Ø</u>	<u>with Trumpet Valve</u>	<u>with atraumatic valve</u>	<u>with manual lever and auto. valve</u>
5.5 mm	L2-060-05	L2-061-05	L2-062-05
11.0 mm	L2-060-11	L2-061-11	L2-062-11
12.5 mm	L2-060-12	L2-061-12	L2-062-12

Accessories for Hasson Cannula

Hasson Cone
Code
L2-063-01



Fascia Holder
Code
L2-064-01

Obturator

<u>Outside-Ø</u>	<u>Hasson Cone</u>	<u>Obturator</u>	<u>fascia Holder</u>
5.5 mm	L2-070-05	L2-071-05	L2-072-05
11.0 mm	L2-070-11	L2-071-11	L2-072-11
12.5 mm	L2-070-12	L2-031-12	L2-032-12

Accessories for Cannula, WL 100 mm, custom lengths available upon request



Inside-Ø

5.5 mm
7.5 mm
11.0 mm
12.5 mm

Metal smooth sleeve

L2-080-05
L2-080-07
L2-080-11
L2-080-12

Plastic Smooth sleeve

L2-081-05
L2-081-07
L2-081-11
L2-081-12

Metal threaded sleeve

L2-082-05
L2-082-07
L2-082-11
L2-082-12

Plastic threaded sleeve

L2-083-05
L2-083-07
L2-083-11
L2-083-12

Sealing caps



Inside-Ø

5.5 mm
7.5 mm
11.0 mm
12.5 mm

Sealing caps 10/pack

L2-090-05
L2-090-07
L2-090-11
L2-090-12

O-Rings 10/pack

L2-091-05
L2-091-07
L2-091-11
L2-091-12

Veress shielded trocar



Outside-Ø

3.5 mm
5.5 mm
11.0 mm
12.5 mm

Code

L2-100-03
L2-100-05
L2-100-11
L2-100-12

Trocar, pyramidal point



Inside-Ø

5.5 mm
7.5 mm
11.0 mm
12.5 mm

Code

L2-110-05
L2-110-07
L2-110-11
L2-110-12

Trocar, conical point



Inside-Ø

5.5 mm
7.5 mm
11.0 mm
12.5 mm

Code

L2-120-05
L2-120-07
L2-120-11
L2-120-12

Shielded Trocar with automatic tip cover and lock



Outside-Ø

5.5mm
10.5mm Storz
11.0mm
12.5mm

Code

L2-130-05
L2-130-10
L2-130-11
L2-130-12

Shielded Blade Trocar with automatic tip cover



Outside-Ø

5.5mm
10.5mm Storz
11.0mm
12.5mm

with lock

L2-140-05
L2-140-10
L2-140-11
L2-140-12

without lock

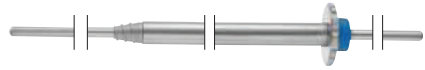
L2-141-05
L2-141-10
L2-141-11
L2-141-12

Reducer-sleeve



<u>Outside-Ø</u>	<u>Inside-Ø</u>	<u>Code</u>
10 mm	5 mm	L2-150-10
11 mm	5 mm	L2-150-11
12.5 mm	5 mm	L2-150-12
12.5 mm	10 mm	L2-150-13
15 mm	5 mm	L2-150-15
15 mm	10 mm	L2-150-16
20 mm	15 mm	L2-150-20
20 mm	10 mm	L2-150-21

Dilation Set with guide probe



<u>Inside-Ø</u>	<u>Inside-Ø</u>	<u>Code</u>
5 mm	10 mm	L2-150-10
5 mm	11 mm	L2-150-11
10 mm	15 mm	L2-150-15
10 mm	20 mm	L2-150-20

Reducer-adapter



<u>Outside-Ø</u>	<u>Inside-Ø</u>	<u>Code</u>
11 mm	5 mm	L2-170-11
12.5 mm	5 mm	L2-170-12

Reducer-short



<u>Outside-Ø</u>	<u>Inside-Ø</u>	<u>Code</u>
11 mm	5 mm	L2-171-11
12.5 mm	5 mm	L2-171-12

S-retractor, set of 2



<u>WL</u>	<u>Code</u>
5.5 mm	L2-172-11
11 mm	L2-172-12

Veress Insufflation-cannula



<u>Working lenght</u>	<u>Ø 2.0 mm</u>
80 mm	L2-180-08
100 mm	L2-180-10
120 mm	L2-180-12
150 mm	L2-180-15
170 mm	L2-180-17
200 mm	L2-180-20



Luer Lock End Cap
Code
L2-190-01



Female Luer Lock Tubing Adapter
Code
L2-190-02



Male Luer Lock Tubing Adapter
Code
L2-190-03

Adaptable Suction-/Irrigation Tubes for L3-002-01 / L3-002-02 / L3-002-03



<u>Outside-Ø</u>	<u>Inside-Ø</u>	<u>Code</u>
3 mm	330 mm	L3-003-03
5 mm	330 mm	L3-003-05
10 mm	330 mm	L3-003-10



Single Trumpet Valve Handle
Code
L3-001-01



Double Trumpet Valve Handle with detachable ergonomic handle plate
Code
L3-001-02



Pistol handle with maintenance-free 2-way valve
Code
L3-001-03

Adaptable Suction/Irrigation Tube for L3-004-01



<u>Outside-Ø</u>	<u>Working Length</u>	<u>Code</u>
3 mm	330 mm	L3-004-03
5 mm	330 mm	L3-004-05
10 mm	330 mm	L3-004-10

Adaptable Injection/Puncture Needle for L3-004-01



<u>Outside-Ø</u>	<u>Working Length</u>	<u>Code</u>
5 mm	330 mm	L3-004-50

Maintenance-free 2-Way Valve with rotating adapter and LL-connector
Code
L3-004-01



Injection/Puncture Needle, small LL-connector for syringes



<u>Outside-Ø</u>	<u>Working Length</u>	<u>Code</u>
3 mm	330 mm	L3-005-03
5 mm	330 mm	L3-005-05
10 mm	450 mm	L3-006-10

Irrigation Channel Insert for L3-007-01



Code
L3-007-02

Suction and Irrigation Tubw with two lateral trumpet valves Ø 5 mm, WL 330 mm



Code
L3-007-01

Laser Channel Insert for L3-007-01



Code
L3-007-03

Endo Suction/Irrigation tubes



Endo Suction/Irrigation tubes, WL 330 mm, for L3-010-01

Working Length	Code
Ø 5 mm	L3-010-05
Ø 10 mm	L3-010-10



Endo-Suction-Irrigation handle

Code
L3-010-01

Suction Tube with one lateral trumpet valve, 5mm, WL 330mm



Stop Cock Valve Handle

Code

L4-001-01



Single Trumpet Valve Handle

Code

L4-001-02



Two way valve Handle

Code

L4-001-03



Double trumpet valve handle with detachable ergonomic handle plate

Code

L4-001-04



Pistol Handle with maintenance free 2-way valve

Code

L4-001-05

Monopolar electrodes with HF-Connector



Electrodes with HF-Connector

Ø 5 mm	Working Length	Code
	340 mm	L4-030-33
	450 mm	L4-030-45
Hook Electrode, thin		
	340 mm	L4-031-33
	450 mm	L4-031-45
Hook Electrode, thick		
	340 mm	L4-032-33
	450 mm	L4-032-45
Right angle Electrode		
	340 mm	L4-033-33
	450 mm	L4-033-45
Spatula Electrode		
	340 mm	L4-034-33
	450 mm	L4-034-45
Ball Point Electrode		
	340 mm	L4-035-33
	450 mm	L4-035-45
Knife Electrode		
	340 mm	L4-036-33
	450 mm	L4-036-45
45° Needle Electrode		
	340 mm	L4-037-33
	450 mm	L4-037-45
Needle Electrode		

Generator side

US-American ESU's



with standard instrument connector

Length 300 mm **Code** L4-100-00

Martin, Berchtold, Erbe T-Series



with standard instrument connector

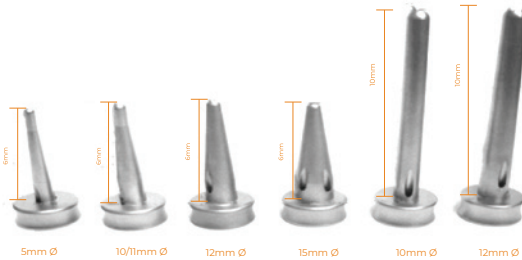
Length 300mm **Code** L4-100-01

**"Wound closure" Forceps, WL 170 mm**

<u>Working Length</u>	<u>Code</u>
200 mm	L5-001-020
270 mm	L5-001-027
300 mm	L5-001-030

**Endo-Ligature Applicator**

Code
L5-001-02

**Trocar suture guide**

<u>Working Length</u>	<u>Code</u>
5 mm	L5-001-105
10/11 mm	L5-001-110
15mm	L5-001-115
10cm long 10 mm	L5-001-210
10cm long 12 mm	L5-001-212

Knot pusher, Ø 5 mm**with suture opening**

<u>Working Length</u>	<u>Code</u>
330 mm	L5-021-33
450 mm	L5-021-45

without suture opening

<u>Working Length</u>	<u>Code</u>
330 mm	L5-022-33
450 mm	L5-022-45

**Palpation Probe Ø 5 mm, graduated**

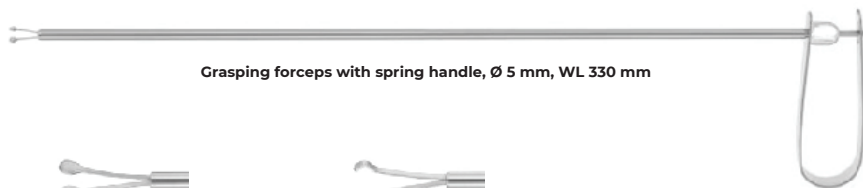
<u>Working Length</u>	<u>Code</u>
330 mm	L5-024-33
450 mm	L5-024-45

**Myoma Screw Ø 5 mm**

<u>Working Length</u>	<u>Code</u>
330 mm	L5-025-33
450 mm	L5-025-45

Myoma Screw Ø 10mm

<u>Working Length</u>	<u>Code</u>
330 mm	L5-027-33
450 mm	L5-027-45



Grasping forceps with spring handle, Ø 5 mm, WL 330 mm



Bowel Forceps

Code
L5-040-33



Atraumatic Grasping Forceps

Code
L5-042-33



T-Pattern Forceps

Code
L5-041-33



Square-Pattern Forceps

Code
L5-043-33



Ring-Pattern Forceps

Code
L5-044-33

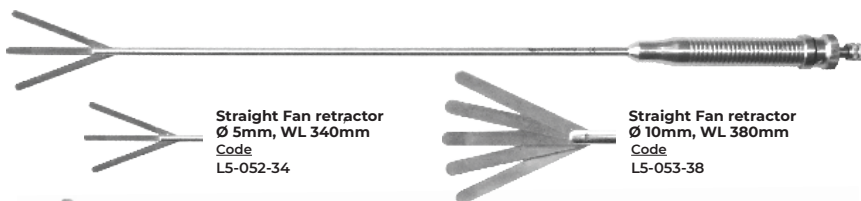


Lap Band Retractor, articulating, 5mm

Working Length	Code
330 mm	L5-050-33
450 mm	L5-050-45

Lap Band Retractor, articulating, 10mm

Working Length	Code
330 mm	L5-051-33
450 mm	L5-051-45



**Straight Fan retractor
Ø 5mm, WL 340mm**

Code
L5-052-34

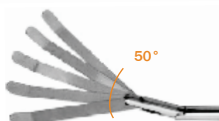
**Straight Fan retractor
Ø 10mm, WL 380mm**

Code
L5-053-38



**50° Adjustable Fan Retractor,
Ø 5 mm, WL 340mm**

Code
L5-054-34



**50° Adjustable Fan Retractor,
Ø 10 mm, WL 380mm**

Code
L5-055-38



**Speculum with 3 blades for
extraction of gall bladder, WL 55mm**
Code
L5-060-55



**Cholangiography Probe,
radiolucent, WL 330mm**

Working Length

Ø 11.0 mm
Ø 12.5 mm

Code

L5-061-11
L5-061-12



**Aggressive 3 Prong grasper
5mm, WL 330mm**
Code
L05-070-01



**Allis 3 Prong grasper,
5mm, WL 330mm**
Code
L5-070-02



Titanium Rotatable Clip Applier, WL 330mm

Working Length

Code

LT400 for 10 x 330mm

L5-074-33

LT300 for 10 x 330mm

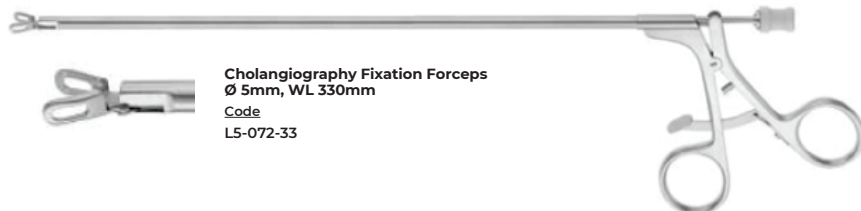
L5-073-33

LT200 for 5 x 330mm

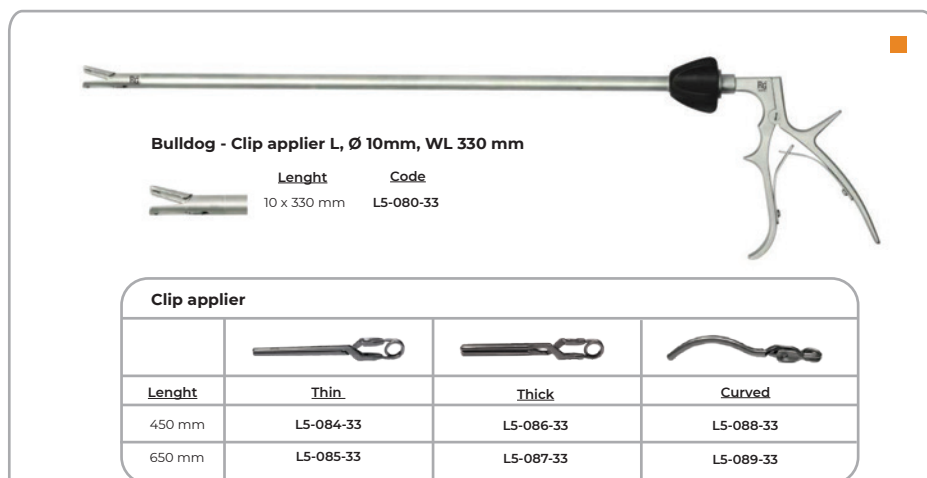
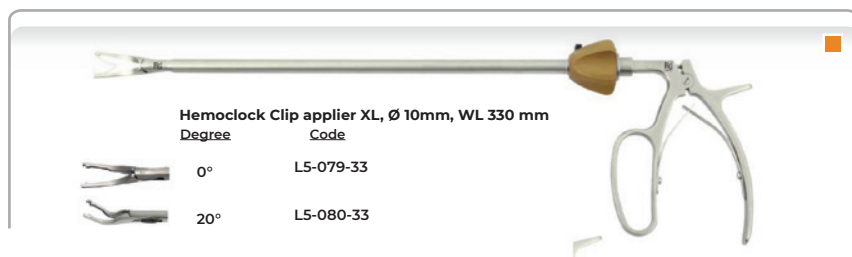
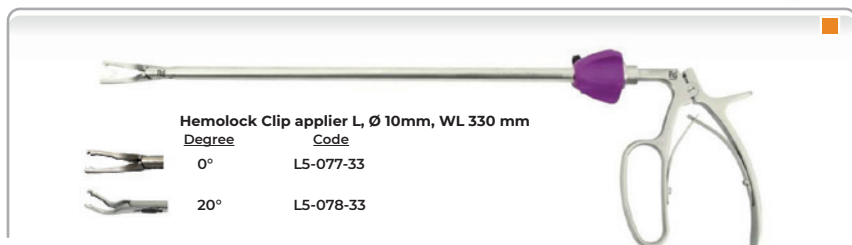
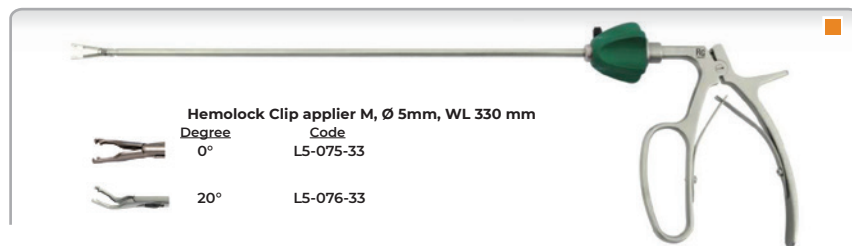
L5-072-33

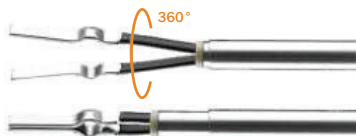
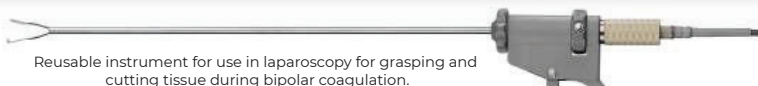
LT100 for 5 x 330mm

L5-071-33



**Cholangiography Fixation Forceps
Ø 5mm, WL 330mm**
Code
L5-072-33





Ring handle
Code
L5-300-05

Comfortable Handling

The electrode can be rotated 360° for accurate jaw orientation. There is no receding of the jaw when closing. This allows precise grasping and coagulation of the tissue

Hygiene and cost effectiveness

The forceps are easily detachable. This allows to reliably clean even highly inaccessible areas. Because of its modular design, all parts are interchangeable and therefore easy to repair. The various electrodes can be all used in the same, ergonomically designed handle



Standard handle
Code
L5-300-10



Outer tube

Lenght	Code
200 mm	L5-305-20
340 mm	L5-305-34
450 mm	L5-305-45



Inner tube

Lenght	Code
200 mm	L5-306-20
340 mm	L5-306-34
450 mm	L5-306-45



Adapter with flat plug
Code
L5-310-01

Compatibility

The forceps in conjunction with the respective connection cable is compatible with the bipolar output of most electro-surgical generators not exceeding 60 Watts. An adapter can be used in order to connect a standard bipolar forceps cable.

Bipolar Silicon cables with rotatable plug



AUTOClave
134° C / 273° F



2 Banana Plugs

Length	Rotatable plug.
300 mm	L5-403-01



Valleylab

Length	Rotatable plug.
300 mm	L5-403-05



Wolf / Martin / Berchtold / Aesculap

Length	Rotatable plug.
300mm	L5-403-10



Erbe / Select / Storz

Length	Rotatable plug.
300mm	L5-403-15

NEW



Bipolar Scissor



Bipolar Maryland

Complete instrumentt

Bipolar forceps with ripped bar

<u>With ring handle</u>	<u>Code</u>
200mm	L5-100-20
250mm	L5-100-25
340mm	L5-100-34
450mm	L5-100-45

Fine bipolar forceps, 1mm jaw

<u>With ring handle</u>	<u>Code</u>
200mm	L5-102-20
250mm	L5-102-25
340mm	L5-102-34
450mm	L5-102-45

Bipolar forceps, 3 mm jaw

<u>With ring handle</u>	<u>Code</u>
200mm	L5-104-20
250mm	L5-104-25
340mm	L5-104-34
450mm	L5-104-45

Bipolar grasping forceps, serrated jaw

<u>With ring handle</u>	<u>Code</u>
200mm	L5-106-20
250mm	L5-106-25
340mm	L5-106-34
450mm	L5-106-45

Bipolar scissors, Curved

<u>With ring handle</u>	<u>Code</u>
200mm	L5-108-20
250mm	L5-108-25
340mm	L5-108-34
450mm	L5-108-45

Bipolar Maryland, Curved

<u>With ring handle</u>	<u>Code</u>
200mm	L5-110-20
250mm	L5-110-25
340mm	L5-110-34
450mm	L5-110-45

Insert only

Insert with ripped bar

<u>Working lenght</u>	<u>Code</u>
200mm	L5-200-20
250mm	L5-200-25
340mm	L5-200-34
450mm	L5-200-45

Insert with 1 mm jaw

<u>Working lenght</u>	<u>Code</u>
200mm	L5-202-20
250mm	L5-202-25
340mm	L5-202-34
450mm	L5-202-45

Insert with 3 mm jaw

<u>Working lenght</u>	<u>Code</u>
200mm	L5-204-20
250mm	L5-204-25
340mm	L5-204-34
450mm	L5-204-45

Insert with serrated jaw

<u>Working lenght</u>	<u>Code</u>
200mm	L5-206-20
250mm	L5-206-25
340mm	L5-206-34
450mm	L5-206-45

Scissors Insert

<u>Working lenght</u>	<u>Code</u>
200mm	L5-208-20
250mm	L5-208-25
340mm	L5-208-34
450mm	L5-208-45

Maryland Insert

<u>Working lenght</u>	<u>Code</u>
200mm	L5-210-20
250mm	L5-210-25
340mm	L5-210-34
450mm	L5-210-45

NEW

Reusable instrument for use in laparoscopy for grasping and cutting tissue during bipolar coagulation.



Hygiene and Cost Effectiveness

The forceps are easily detachable. This allows to reliably clean even highly inaccessible areas. Because of it's modular design, all parts are interchangeable and therefore easy to repair. The various electrodes can be all used in the same, ergonomically designed handle.

Ring handle

Code
L5-500-05

Outer tube

Working length	Code
200mm	L5-500-20
250mm	L5-500-25
340mm	L5-500-34
450mm	L5-500-45



New Bipolar

Code
L5-500-06

Bipolar grasper micro france fenestrated

Lenght	Insert Only	Complete instrument
200mm	L5-501-20	L5-601-20
250mm	L5-501-25	L5-601-25
340mm	L5-501-34	L5-601-34
450mm	L5-501-45	L5-601-45



Bipolar grasping forceps fenestrated

Lenght	Insert Only	Complete instrument
200mm	L5-504-20	L5-604-20
250mm	L5-504-25	L5-604-25
340mm	L5-504-34	L5-604-34
450mm	L5-504-45	L5-604-45



Bipolar grasping forceps delicate curved

Lenght	Insert Only	Complete instrument
200mm	L5-502-20	L5-602-20
250mm	L5-502-25	L5-602-25
340mm	L5-502-34	L5-602-34
450mm	L5-502-45	L5-602-45



Bipolar scissors curved

Lenght	Insert Only	Complete instrument
200mm	L5-505-20	L5-605-20
250mm	L5-505-25	L5-605-25
340mm	L5-505-34	L5-605-34
450mm	L5-505-45	L5-605-45



Bipolar grasping forceps curved fenestrated

Lenght	Insert Only	Complete instrument
200mm	L5-503-20	L5-603-20
250mm	L5-503-25	L5-603-25
340mm	L5-503-34	L5-603-34
450mm	L5-503-45	L5-603-45



Bipolar Dissector Maryland curved

Lenght	Insert Only	Complete instrument
200mm	L5-506-20	L5-606-20
250mm	L5-506-25	L5-606-25
340mm	L5-506-34	L5-606-34
450mm	L5-506-45	L5-606-45



Metal handle



L6-A

Metal handle with spring



L6-B

Metal handle
with front ratchet



L6-C

Ratchet



L6-D

Insulated metal handle
with HF-connector



L6-M

Carbon handle,
with HF-connector



L6-P

Carbon handle, with spring,
with HF-connector



L6-S

Carbon handle,
with activating-deactivating
ratchet, with HF-connector



L6-R

Carbon handle, with ratchet,
with HF-connector



L6-T

Carbon handle, with
removable French ratchet,
with HF-connector



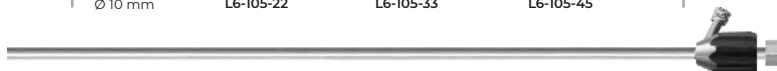
L6-F

Metal Shaft with shaft knob

Size	<u>working length</u> 220 mm	<u>working length</u> 330 mm	<u>working length</u> 450 mm
Ø 5 mm	L6-100-22	L6-100-33	L6-100-45
Ø 10-5 mm	L6-101-22	L6-101-33	L6-101-45
Ø 10 mm	L6-102-22	L6-102-33	L6-102-45

**Metal Shaft, with scleaving port and shaft knob**

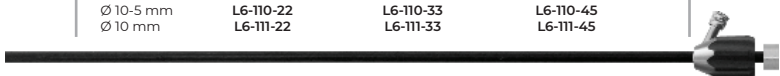
Size	<u>working length</u> 220 mm	<u>working length</u> 330 mm	<u>working length</u> 450 mm
Ø 5 mm	L6-103-22	L6-103-33	L6-103-45
Ø 10-5 mm	L6-104-22	L6-104-33	L6-104-45
Ø 10 mm	L6-105-22	L6-105-33	L6-105-45

**Insulated Shaft with shaft knob**

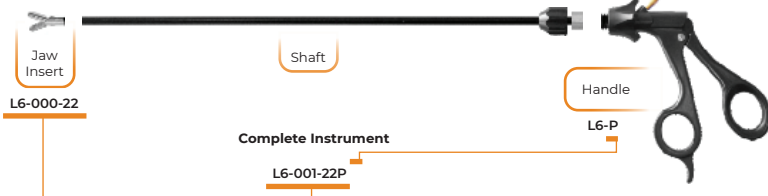
Size	<u>working length</u> 220 mm	<u>working length</u> 330 mm	<u>working length</u> 450 mm
Ø 5 mm	L6-106-22	L6-106-33	L6-106-45
Ø 10-5 mm	L6-107-22	L6-107-33	L6-107-45
Ø 10 mm	L6-108-22	L6-108-33	L6-108-45

**Insulated Shaft with cleaning port and shaft knob**

Size	<u>working length</u> 220 mm	<u>working length</u> 330 mm	<u>working length</u> 450 mm
Ø 5 mm	L6-109-22	L6-109-33	L6-109-45
Ø 10-5 mm	L6-110-22	L6-110-33	L6-110-45
Ø 10 mm	L6-111-22	L6-111-33	L6-111-45

**Shaft knob**

Ø 5 mm	L6-112-05
Ø 10 mm	L6-113-10





Cone Grasping insert

Working length	Code
220 mm	L6-000-22
330 mm	L6-000-33
450 mm	L6-000-45



Wide Fenestrated insert

Working length	Code
220 mm	L6-019-22
330 mm	L6-019-33
450 mm	L6-019-45



Long Dolphin insert

Working length	Code
220 mm	L6-002-22
330 mm	L6-002-33
450 mm	L6-002-45



Micro fenestrated insert

Working length	Code
220 mm	L6-020-22
330 mm	L6-020-33
450 mm	L6-020-45



Short Dolphin insert

Working length	Code
220 mm	L6-004-22
330 mm	L6-004-33
450 mm	L6-004-45



Micro insert

Working length	Code
220 mm	L6-022-22
330 mm	L6-022-33
450 mm	L6-022-45



Long Grasping with spoon

Working length	Code
220 mm	L6-006-22
330 mm	L6-006-33
450 mm	L6-006-45



Micro Kelly insert

Working length	Code
220 mm	L6-024-22
330 mm	L6-024-33
450 mm	L6-024-45



Grasping insert

Working length	Code
220 mm	L6-008-22
330 mm	L6-008-33
450 mm	L6-008-45



Long atraumatic grasping up

Working length	Code
220 mm	L6-026-22
330 mm	L6-026-33
450 mm	L6-026-45



Maryland insert

Working length	Code
220 mm	L6-010-22
330 mm	L6-010-33
450 mm	L6-010-45



Grasping insert, straight

Working length	Code
220 mm	L6-028-22
330 mm	L6-028-33
450 mm	L6-028-45



Kelly insert

Working length	Code
220 mm	L6-012-22
330 mm	L6-012-33
450 mm	L6-012-45



Grasping insert, curved

Working length	Code
220 mm	L6-030-22
330 mm	L6-030-33
450 mm	L6-030-45



Long atraumatic grasping

Working length	Code
220 mm	L6-014-22
330 mm	L6-014-33
450 mm	L6-014-45



Alligator Grasping insert

Working length	Code
220 mm	L6-032-22
330 mm	L6-032-33
450 mm	L6-032-45



Long atraumatic concave

Working length	Code
220 mm	L6-016-22
330 mm	L6-016-33
450 mm	L6-016-45



Mixer 60° insert

Working length	Code
220 mm	L6-034-22
330 mm	L6-034-33
450 mm	L6-034-45

**Mixer 90° insert**

<u>Working lenght</u>	<u>Code</u>
220 mm	L6-036-22
330 mm	L6-036-33
450 mm	L6-036-45

**Alligator, with spoon**

<u>Working lenght</u>	<u>Code</u>
220 mm	L6-038-22
330 mm	L6-038-33
450 mm	L6-038-45

**DaVinci insert**

<u>Working lenght</u>	<u>Code</u>
220 mm	L6-040-22
330 mm	L6-040-33
450 mm	L6-040-45

**Maxi insert**

<u>Working lenght</u>	<u>Code</u>
220 mm	L6-042-22
330 mm	L6-042-33
450 mm	L6-042-45

**Mc Kearnan insert**

<u>Working lenght</u>	<u>Code</u>
220 mm	L6-043-22
330 mm	L6-043-33
450 mm	L6-043-45

**Crocodile, insert single action**

<u>Working lenght</u>	<u>Code</u>
220 mm	L6-044-22
330 mm	L6-044-33
450 mm	L6-044-45

**Crocodile, insert double action**

<u>Working lenght</u>	<u>Code</u>
220 mm	L6-045-22
330 mm	L6-045-33
450 mm	L6-045-45

**Retraction insert**

<u>Working lenght</u>	<u>Code</u>
220 mm	L6-046-22
330 mm	L6-046-33
450 mm	L6-046-45

**Oviduct insert**

<u>Working lenght</u>	<u>Code</u>
220 mm	L6-048-22
330 mm	L6-048-33
450 mm	L6-048-45

**Dissecting, fine pattern**

<u>Working lenght</u>	<u>Code</u>
220 mm	L6-050-22
330 mm	L6-050-33
450 mm	L6-050-45

**Endo-Klinch - Insert, 5mm**

<u>Working lenght</u>	<u>Code</u>
220 mm	L6-054-22
330 mm	L6-054-33
450 mm	L6-054-45

**Johan 17mm Fenestrated Diss. and Grasp**

<u>Working lenght</u>	<u>Code</u>
220 mm	L6-056-22
330 mm	L6-056-33
450 mm	L6-056-45

**Johan 25mm Fenestrated Diss. and Grasp**

<u>Working lenght</u>	<u>Code</u>
220 mm	L6-057-22
330 mm	L6-057-33
450 mm	L6-057-45

**Johan 40mm Fenestrated Diss. and Grasp**

<u>Working lenght</u>	<u>Code</u>
220 mm	L6-058-22
330 mm	L6-058-33
450 mm	L6-058-45

**Fenestrated Bowel insert**

<u>Working lenght</u>	<u>Code</u>
220 mm	L6-059-22
330 mm	L6-059-33
450 mm	L6-059-45

**Allis insert**

<u>Working lenght</u>	<u>Code</u>
220 mm	L6-062-22
330 mm	L6-062-33
450 mm	L6-062-45

**De Bakey insert**

<u>Working lenght</u>	<u>Code</u>
220 mm	L6-064-22
330 mm	L6-064-33
450 mm	L6-064-45

**Babcock insert**

<u>Working lenght</u>	<u>Code</u>
220 mm	L6-066-22
330 mm	L6-066-33
450 mm	L6-066-45

**Paddle Babcock insert**

<u>Working lenght</u>	<u>Code</u>
220 mm	L6-068-22
330 mm	L6-068-33
450 mm	L6-068-45

**Baby Babcock insert**

<u>Working lenght</u>	<u>Code</u>
220 mm	L6-070-22
330 mm	L6-070-33
450 mm	L6-070-45



Biopsy Spoon, double action

Working length	Code
220 mm	L6-080-22
330 mm	L6-080-33
450 mm	L6-080-45



Biopsy spoon with teeth, double action

Working length	Code
220 mm	L6-082-22
330 mm	L6-082-33
450 mm	L6-082-45



Biopsy Spoon, single action

Working length	Code
220 mm	L6-084-22
330 mm	L6-084-33
450 mm	L6-084-45



Biopsy Spoon with teeth, single action

Working length	Code
220 mm	L6-086-22
330 mm	L6-086-33
450 mm	L6-086-45



Blakesley biopsy insert

Working length	Code
220 mm	L6-088-22
330 mm	L6-088-33
450 mm	L6-088-45



Biopsy punch insert

Working length	Code
220 mm	L6-090-22
330 mm	L6-090-33
450 mm	L6-090-45



Multiple teeth insert

Working length	Code
220 mm	L6-092-22
330 mm	L6-092-33
450 mm	L6-092-45



Rat-Tooth inser

Working length	Code
220 mm	L6-094-22
330 mm	L6-094-33
450 mm	L6-094-45



Claw insert

Working length	Code
220 mm	L6-096-22
330 mm	L6-096-33
450 mm	L6-096-45



Tenaculum insert

Working length	Code
220 mm	L6-098-22
330 mm	L6-098-33
450 mm	L6-098-45



Micro scissors, straight

Working length	Code
220 mm	L6-200-22
330 mm	L6-200-33
450 mm	L6-200-45



Micro scissors, curved

Working length	Code
220 mm	L6-202-22
330 mm	L6-202-33
450 mm	L6-202-45



Peritoneal scissors, serrated

Working length	Code
220 mm	L6-204-22
330 mm	L6-204-33
450 mm	L6-204-45



Hook scissors

Working length	Code
220 mm	L6-206-22
330 mm	L6-206-33
450 mm	L6-206-45



Baby-Metzenbaum, curved

Working length	Code
220 mm	L6-208-22
330 mm	L6-208-33
450 mm	L6-208-45



Metzenbaum scissors, curved

Working length	Code
220 mm	L6-210-22
330 mm	L6-210-33
450 mm	L6-210-45



Endo scissors, curved

Working length	Code
220 mm	L6-214-22
330 mm	L6-214-33
450 mm	L6-214-45



Metzenbaum scissors, straight heavy blades pattern

Working length	Code
220 mm	L6-216-22
330 mm	L6-216-33
450 mm	L6-216-45



Metzenbaum scissors, curved heavy blades pattern

Working length	Code
220 mm	L6-218-22
330 mm	L6-218-33
450 mm	L6-218-45





10 mm Maryland insert for 5-10mm shaft 19.61/XX

<u>Working lenght</u>	<u>Code</u>
220 mm	L6-110-22
330 mm	L6-110-33
450 mm	L6-110-45



10 mm Alligator insert for 5-10mm shaft 19.61/XX

<u>Working lenght</u>	<u>Code</u>
220 mm	L6-132-22
330 mm	L6-132-33
450 mm	L6-132-45



90° Mixer insert, 10mm shaft

<u>Working lenght</u>	<u>Code</u>
220 mm	L6-150-22
330 mm	L6-150-33
450 mm	L6-150-45



Allis insert, 10mm shaft

<u>Working lenght</u>	<u>Code</u>
220 mm	L6-152-22
330 mm	L6-152-33
450 mm	L6-152-45



Allis, autraumatic insert, 10mm shaft

<u>Working lenght</u>	<u>Code</u>
220 mm	L6-154-22
330 mm	L6-154-33
450 mm	L6-154-45



Babcock grasping forceps, 10 mm shaft

<u>Working lenght</u>	<u>Code</u>
220 mm	L6-156-22
330 mm	L6-156-33
450 mm	L6-156-45



Paddle babcock insert, 10 mm shaft

<u>Working lenght</u>	<u>Code</u>
220 mm	L6-157-22
330 mm	L6-157-33
450 mm	L6-157-45



Spoon insert, single action, 10 mm shaft

<u>Working lenght</u>	<u>Code</u>
220 mm	L6-170-22
330 mm	L6-170-33
450 mm	L6-170-45



Claw insert, single action, 10 mm shaft

<u>Working lenght</u>	<u>Code</u>
220 mm	L6-172-22
330 mm	L6-172-33
450 mm	L6-172-45



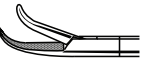
Claw insert, double action, 10 mm shaft

<u>Working lenght</u>	<u>Code</u>
220 mm	L6-174-22
330 mm	L6-174-33
450 mm	L6-174-45



Tenaculum insert, 10 mm shaft

<u>Working lenght</u>	<u>Code</u>
220 mm	L6-176-22
330 mm	L6-176-33
450 mm	L6-176-45

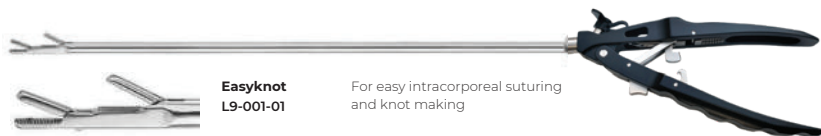
	Metal Handle with Spring and Cleaning Port, not rotating, not detachable  L7-B	Ratchet with Cleaning Port, not rotating, not detachable  L7-D	Axial Handle with ratchet and Cleaning Port, not rotating, not detachable  L7-F
	Tungsten Carbide, 3 mm 220 mm L7-340-22B 330 mm L7-340-33B 450 mm L7-340-45B	Tungsten Carbide, 3 mm 220 mm L7-340-22D 330 mm L7-340-33D 450 mm L7-340-45D	Tungsten Carbide, 3 mm 220 mm L7-340-22F 330 mm L7-340-33F 450 mm L7-340-45F
	Serrated Jaw, 3 mm 220 mm L7-342-22B 330 mm L7-342-33B 450 mm L7-342-45B	Serrated Jaw, 3 mm 220 mm L7-342-22D 330 mm L7-342-33D 450 mm L7-342-45D	Serrated Jaw, 3 mm 220 mm L7-342-22F 330 mm L7-342-33F 450 mm L7-342-45F
	Tungsten Carbide, 5 mm 220 mm L7-350-22B 330 mm L7-350-33B 450 mm L7-350-45B	Tungsten Carbide, 5 mm 220 mm L7-350-22D 330 mm L7-350-33D 450 mm L7-350-45D	Tungsten Carbide, 5 mm 220 mm L7-350-22F 330 mm L7-350-33F 450 mm L7-350-45F
	Serrated Jaw, 5 mm 220 mm L7-352-22B 330 mm L7-352-33B 450 mm L7-352-45B	Serrated Jaw, 5 mm 220 mm L7-352-22D 330 mm L7-352-33D 450 mm L7-352-45D	Serrated Jaw, 5 mm 220 mm L7-352-22F 330 mm L7-352-33F 450 mm L7-352-45F
	"Flamingo", 5 mm 220 mm L7-360-22B 330 mm L7-360-33B 450 mm L7-360-45B	"Flamingo", 5 mm 220 mm L7-360-22D 330 mm L7-360-33D 450 mm L7-360-45D	"Flamingo", 5 mm 220 mm L7-360-22F 330 mm L7-360-33F 450 mm L7-360-45F
	"Parrot", 5 mm 220 mm L7-362-22B 330 mm L7-362-33B 450 mm L7-362-45B	"Parrot", 5 mm 220 mm L7-362-22D 330 mm L7-362-33D 450 mm L7-362-45D	"Parrot", 5 mm 220 mm L7-362-22F 330 mm L7-362-33F 450 mm L7-362-45F
	Tungsten Carbide, Curved left, 5 mm 220 mm L7-364-22B 330 mm L7-364-33B 450 mm L7-364-45B	Tungsten Carbide, Curved left, 5 mm 220 mm L7-364-22D 330 mm L7-364-33D 450 mm L7-364-45D	Tungsten Carbide, Curved left, 5 mm 220 mm L7-364-22F 330 mm L7-364-33F 450 mm L7-364-45F
	Tungsten Carbide, Curved curved, 5 mm 220 mm L7-368-22B 330 mm L7-368-33B 450 mm L7-368-45B	Tungsten Carbide, Curved curved, 5 mm 220 mm L7-368-22D 330 mm L7-368-33D 450 mm L7-368-45D	Tungsten Carbide, Curved curved, 5 mm 220 mm L7-368-22F 330 mm L7-368-33F 450 mm L7-368-45F

Axial Handle with ratchet and Cleaning Port,
not rotating, not detachable



L7-G

	<u>Art. N°</u>	<u>Ø</u>	<u>Length</u>	<u>Typ</u>
	L30-5-330 S L35-5-330 S L50-5-330 S L30-5-450 S L35-5-450 S L50-5-450 S	3,0 3,5 5,0 3,0 3,5 5,0	330 mm 330 mm 330 mm 450 mm 450 mm 450 mm	Gerade
	L30-5-330 R L35-5-330 R L50-5-330 R L30-5-450 R L35-5-450 R L50-5-450 R	3,0 3,5 5,0 3,0 3,5 5,0	330 mm 330 mm 330 mm 450 mm 450 mm 450 mm	Rechts
	L30-5-330 L L35-5-330 L L50-5-330 L L30-5-450 L L35-5-450 L L50-5-450 L	3,0 3,5 5,0 3,0 3,5 5,0	330 mm 330 mm 330 mm 450 mm 450 mm 450 mm	Links
	L50-5-330 C L50-5-450 C	5,0 5,0	330 mm 450 mm	Konkav Konvex
	L50-5-330 F L50-5-450 F	5,0 5,0	330 mm 450 mm	Flamingo

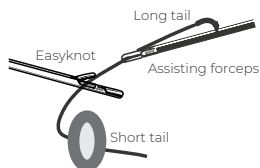


Easyknot
L9-001-01

For easy intracorporeal suturing
and knot making

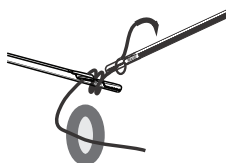
Patent# 5261917

Step 1



Take the stitch with a standard needle holder leaving a 1"-2" short tail on the needle entry side. Grasp the needle end of the suture with an assisting forceps about 3"-5" from the operative site to fix the suture. Trap the suture under the upper jaw of the Easyknot device about 1.5" from the point of suture fixation.

Step 2



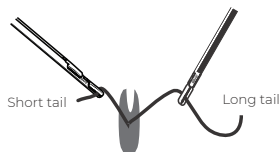
Use the assisting forceps to wrap the suture around the Easyknot device twice, distal to the upper jaw (preferably going first under device than over it)

Step 3



Bring both instruments closer to the short tail and hold the tail with the lower Jaw of the Easyknot device. Open the upper jaw to release trapped suture and pull the device (Holding the suture tail) and assisting forceps (holding the needle suture end) in opposite directions (relative to initial positions) to establish a flat half hitch. Cinch and tighten as needed.

Step 4



Repeat the procedure to form additional half hitches making sure to reverse the direction of pulling on the suture ends to establish a square knot. For instance, if the short end starts on the right side of the incision, it should end at the left side after the first half hitch and again on the right side after the second half hitch

Developed in cooperation with Drs Carlos Rotman and Harrit Hasson, Chicago/USA



Wound Closure Forceps

Grasping Suture Forceps OD 3MM
WL 17 cm

L5-001-01

Advantages

- Reduce or eliminate the possibility of trocar site hernia, wound dehiscence or bleeding
- Multiple Applications with Controlled Entry and Depth Safety Stopper: Epigastric bleeding and repair, laparoscopic ventral hernia repair, etc.
- Quality Reusable Instrument - Made in Tuttlingen /Germany
- Easy to use, specially on obese patients



■ PORTABLE 10W LED LIGHT



N° Ref: E-L10P

FEATURES

Compact and portable, the built-in lithium battery allows the mini portable cold light source to work for more than 2 hours after recharging.

We design and manufacture it for use with a rigid or flexible endoscope.

A particularly well-conceived safety feature is the automatic switch from the main light source to the spare light source in the event of a light source failure.

Therefore, the light source is always ready for emergency use and contributes to patient safety.



Way to use it in the optician.

■ "MINI" LED 10w

N° Ref: E-HL10MP



Includes:

- LED device
- 2 rechargeable batteries
- Charger
- Optional small travel case

N° Ref: E-L10P



■ HEADLIGHT SPECIAL

10W ULTRA-BRIGHT & LITE Weight Headlight Focusable



10W ultra bright -lite **E-HL10**
focusable **E-HL10F**

10W ULTRA-BRIGHT Weight Headlight



10W- weight **E-HL10U**

LED 5W HEADLIGHT Wireless



Led5- wireless **E-HL5L**

Characteristics

Applications:
Surgical, for dentistry,
veterinary

Lighting type:
LED

Other features:
With rechargeable battery, for binocular
loupe, with portable light source

Headlights include:



- ▷ Portable travel case
- ▷ 1 Charger
- ▷ 2 rechargeable lithium-ion batteries

