



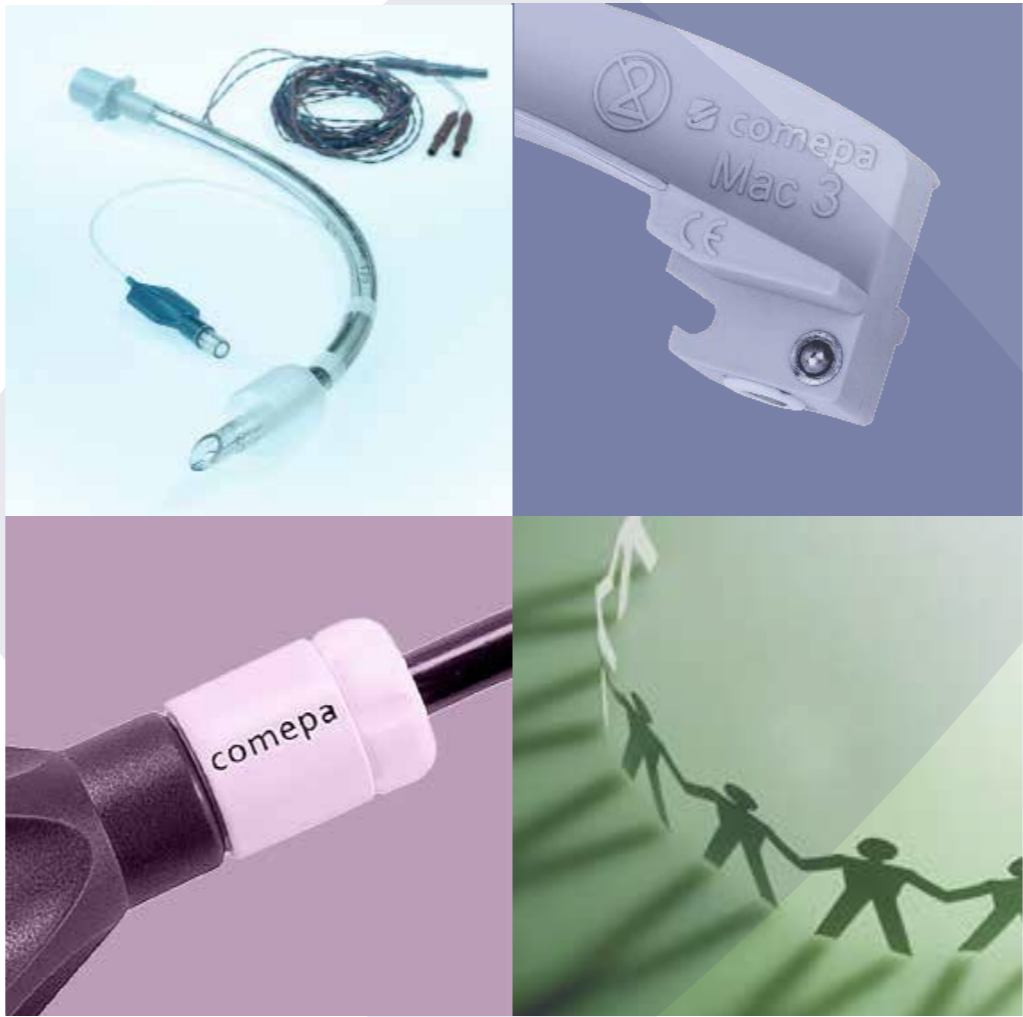
LAPAROSCOPY

COMEPA INDUSTRIES : A TEAM CLOSE TO YOU AND READY TO MEET YOUR EXPECTATIONS

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LAPAROSCOPY

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Innovation Industrial Expertise

Our goal is to provide you with the widest range of accessories for your equipments. In order to meet your technical and economical needs, we develop and enhance our services by adding recurringly innovative products.

One of our top priorities is to supply you with adapted product offers and clear commercial bids. Our transparency policy is our best way to show you that we want to build up a long term partnership with you.

The focus of our research and development is to help you take advantage of a French industrialist's expertise and its laboratory means.

We pay a special attention to our supplies and to our providers and sub-contractors' qualifications.

Quality - Security Environment

Our first concern is to guarantee you high quality and reliable products for you and your patients' safety. Our involvement from product design to post-mar-

ket analysis enables us to extend our expertise and to obtain certifications by the LNE/GMED for our products.

Offering you simple solutions in order to facilitate your security management is part of our commitment to you. The switch towards single use devices, the spread of traceability labeling and the doubling of sterile packaging are all major market evolutions that we have greatly contributed to.

The aim of the ECO CONCEPTION approach to which we are committed is to make you involved in the protection of the environment and natural resources.

Consulting - Service

Our business teams' mission is to advise you on our product selection and assist you in their implementation in order to answer your technical, economical and logistical constraints. You can count on their proximity, flexibility and reactivity.

Ensuring you the availability of our whole range and guaranteeing you express deliveries represent the commitment of our organization.

OUR ACTIVITY ?

COMEPA Industries has built its reputation by creating innovative technology-driven solutions, from space technology to high-performance medical instruments fabrics. Comepa is a privately held company committed to perpetuate its 50-plus year tradition of product innovation in two areas:

The ELECTRONIC COMPONENTS division focuses its developments to design and manufacture high performance thermal switches for Space Industry and its excellence is recognized by the famous ESA (European Space Agency) qualification.

The MEDICAL DEVICE division provides creative solutions to complex medical situations. It has developed many visionary instrumentation concepts in surgery, anaesthesiology and monitoring.

OUR CULTURE

Our culture uses the "linear" structure, a teambased environment that encourages personal initiative and person-to-person communication among all associates. Our culture welcomes different viewpoints and people from a variety of environments and backgrounds.

OUR FOCUS

Created fifty years ago, COMEPA Industries remains committed to solving problems and changing outcomes for customers around the world.

OUR RESPONSABILITY

Our culture exerts a strong and steady influence on each of us to act with the highest integrity and responsibility towards people, organizations and the environment.



Icons' legend



Single Use



Packaging
25 pieces



Cable/Tubing Length
3 metres



Autoclavable
134°C



Simple peelable
pouch



Weight over
25 kg



Adult



Peelable pouch
and PE pouch



Conductive Surface
128 cm²



Children



Double peelable
pouch



Sterilisation ray



Infant



Traceability label



Sterilisation
Ethylene Oxide

MONOPOLAR INSTRUMENTS



ADVANTAGES

- **Wide range** of single use scissors, tweezers and dissectors to meet all the requirements of laparoscopic surgery
- **Colour coding** to facilitate instrument differentiation
- Completely **single use, sterile, ready-to-use, fully disposable** devices
- **Double packaging** and **traceability label** for the patient record



Adaptability

The wide range of FULLY DISPOSABLE instruments is designed to provide great flexibility in the choice of instruments.

The numerous types of jaws available allow a perfect response to the surgeon's needs during a procedure.

The colour coding of the rotary wheel makes it easy to use the instruments, making sure that the trocars are identified.



Ergonomics

To ensure the comfort of surgeons and provide a perfect feeling at the time of operating, all instruments are available with two types of handles: Single Finger or Double Finger.

Each handle is available in a version WITHOUT rack or WITH rack.

The ergonomics of the handles and the weight of the instrument combine perfect safety with less muscular fatigue.



Security - Reliability

The finishing of each AISI 304 medical steel instrument provides reliability and safety.

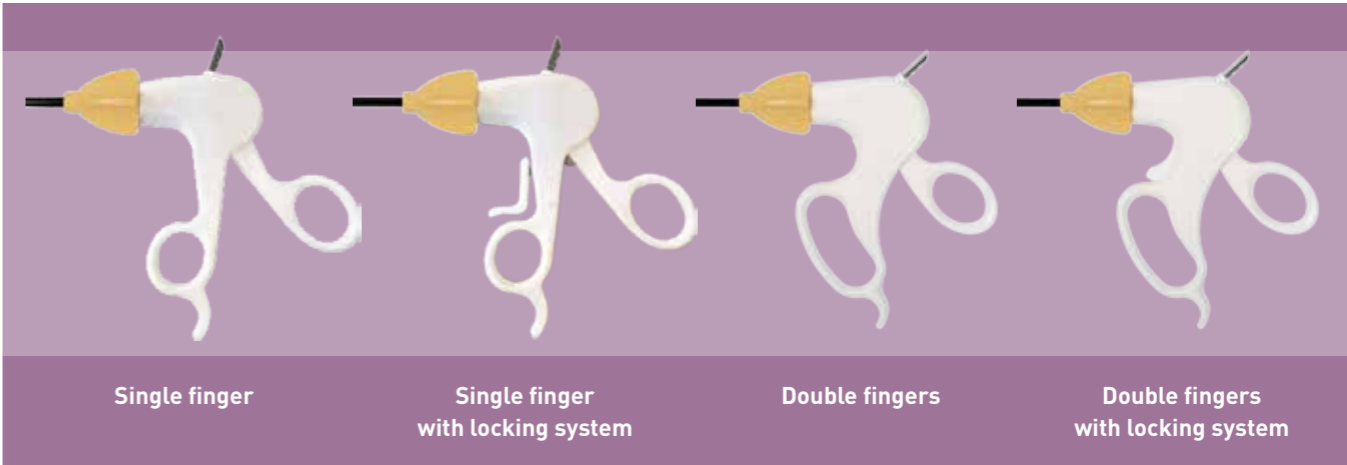
The 360° rotation wheel with pre-positioning makes movement safe.

The process of sharpening the scissors, the precision in the assembly of the components of the pliers as well as the handles ensure excellent reliability during the procedure.

COLOR CODING :

	Scissors		Maryland Dissectors		Babcocks Graspers
	Mini Jaw		Fenestrated Graspers		Fenestrated Graspers

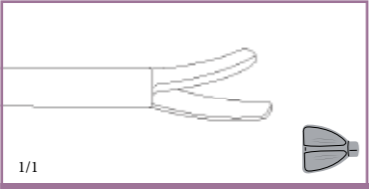
Disposable handles:



SINGLE FINGER HANDLE



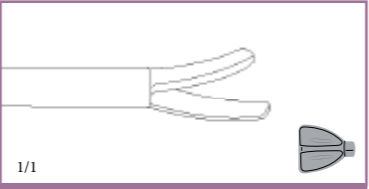
Scissors



1/1

Curved Metzenbaum Insulated

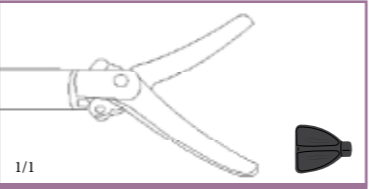
Jaw 15 mm L. 25 cm **C302812SG**
Jaw 15 mm L. 33 cm **C302812G**
Jaw 15 mm L. 45 cm **C302812LG**



1/1

Curved Metzenbaum Non Insulated

Jaw 12 mm L. 33 cm **C302816G**

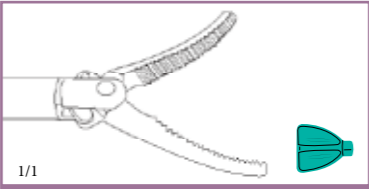


1/1

Curved Metzenbaum Non Insulated

Jaw 15 mm L. 33 cm **C302812**

Dissector




1/1

Maryland

Jaw 20 mm L. 33 cm **PC302802**
Jaw 20 mm L. 45 cm **PC302802L**

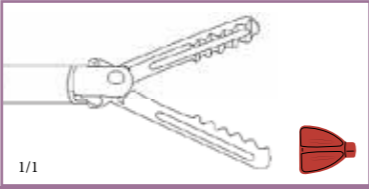
Graspers



1/1

Atromatic Fenestrated Duckbill

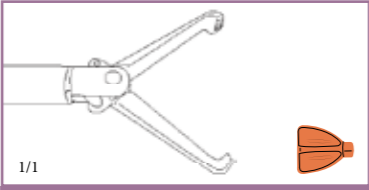
Jaw 18 mm L. 33 cm **PC302822**
Jaw 20 mm L. 45 cm **PC302822L**



1/1

Fenestrated Tapered

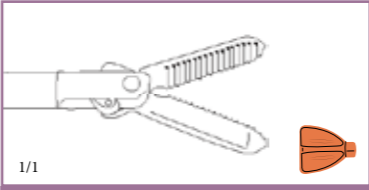
Jaw 22 mm L. 33 cm **PC302823**
Jaw 22 mm L. 45 cm **PC302823L**



1/1

Babcock

Jaw 18 mm L. 33 cm **PC302821**
Jaw 18 mm L. 45 cm **PC302821L**



1/1

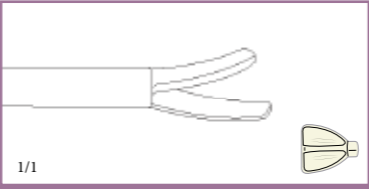
Tapered

Jaw 18 mm L. 33 cm **PC302825**
Jaw 18 mm L. 45 cm **PC302825L**

DOUBLE FINGER HANDLE



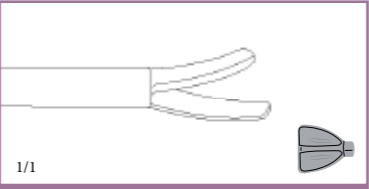
Scissors



1/1

Curved Metzenbaum Insulated

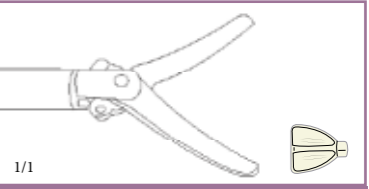
Jaw 15 mm L. 33 cm **C101312G**



1/1

Curved Metzenbaum Insulated

Jaw 12 mm L. 25 cm **C101316SG**
Jaw 12 mm L. 33 cm **C101316G**

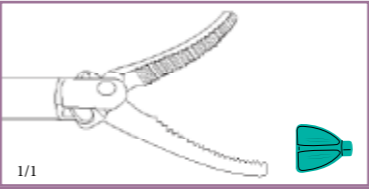


1/1

Curved Metzenbaum Non Insulated

Jaw 15 mm L. 33 cm **C101312**

Dissector




1/1

Maryland

Jaw 15 mm L. 20 cm **PC101802**


Graspers



1/1

Atromatic Fenestrated Duckbill

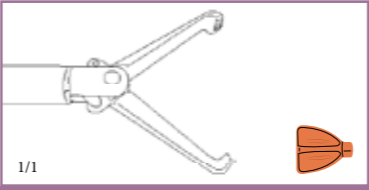
Jaw 18 mm L. 33 cm **PC101822**



1/1

Fenestrated Tapered

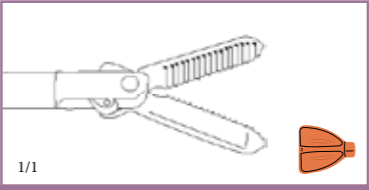
Jaw 22 mm L. 33 cm **PC101823**



1/1

Babcock

Jaw 18 mm L. 33 cm **PC101821**



1/1

Tapered

Jaw 18 mm L. 33 cm **PC101825**

MONOPOLAR LAPAROSCOPIC INSTRUMENTS



ADVANTAGES

- **Wide range** of single use scissors, tweezers and dissectors to meet all the requirements of laparoscopic surgery
- **Combination** of a FULLY DISPOSABLE instrument and a reusable handle
- **Security** of a **new** and reliable insert that is completely disposable
- **Colour coding** system for quick instrument identification
- **Eco-Development** products by reducing waste
- **Double packaging** and **traceability label** for the patient record



Flexibility and adaptability

The X-Line laparoscopy instrument range is the combination of a FULLY DISPOSABLE instrument and a reusable handle.

It gives the surgeon the ergonomics and reliability of using a reusable handle with the performance of a new single-use instrument.

The set of instruments is adaptable to the handles of the X-Line range.



« Click and Fix » System

The reusable handles offer secure locking and an unlocking system «click & fix».

It allows an interoperability of the single use and reusable inserts for good flexibility during the intervention.

PPS (Polyphenylene Sulphide) castings offer high mechanical and chemical resistance to disinfectants and autoclave sterilization cycles 134°C-18 minutes.



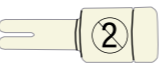






Cost - Performance

Comepa Industries X-LINE offers an excellent cost/performance ratio for prolonged and secure usage.

It makes possible the rapid use of the disposable inserts that are available «in satellite», allowing to quickly compensate for the lack of or a defect reusable instrument.

This product range is an Eco development because it reduces the weight of the waste and avoids opening the box of untimely laparoscopic surgery.

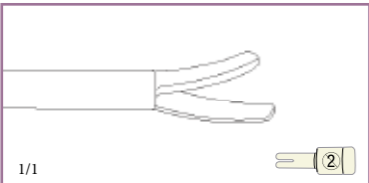

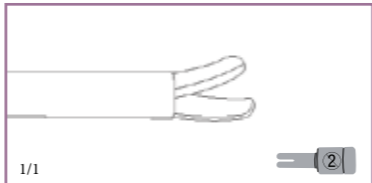
COLOR CODING:

	Scissors		Maryland Dissectors		Babcock Graspers
	Mini Jaw		Tapered Graspers		Fenestrated Graspers
			Fenestrated Graspers		

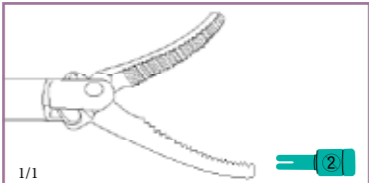
Disposable reusable hendles:





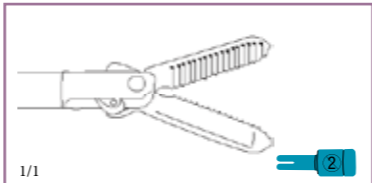
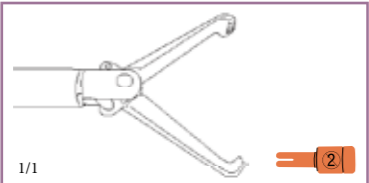
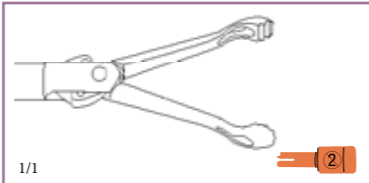
Scissors

 1/1	 1/1	 1/1
Curved Metzenbaum Insulated Cutting 15 mm	Curved Metzenbaum Non Insulated Cutting 15 mm	Curved Metzenbaum Insulated Mini blade - Cutting 12 mm
Ø 3 mm L. 27 cm CI303803 * Ø 5 mm L. 25 cm CI303812SG Ø 5 mm L. 33 cm CI303812G Ø 5 mm L. 45 cm CI303812LG	Ø 5 mm L. 33 cm CI303812	Ø 5 mm L. 25 cm CI303816SG Ø 5 mm L. 33 cm CI303816G Ø 5 mm L. 45 cm CI303816LG


Dissectors

 1/1
Maryland
Ø 3 mm L. 27 cm PI303802D3 * Ø 5 mm L. 25 cm PI303802S Ø 5 mm L. 33 cm PI303802 Ø 5 mm L. 45 cm PI303802L


Graspers

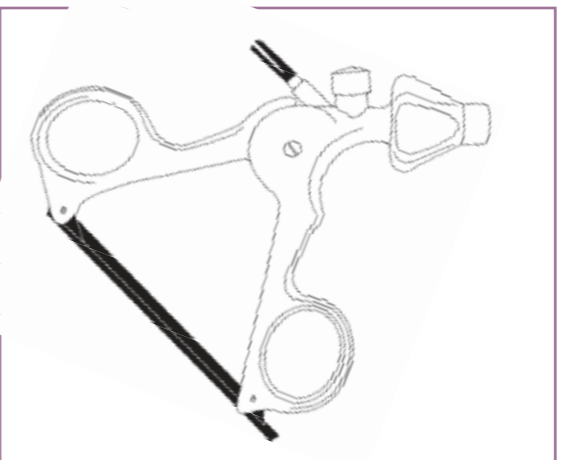
 1/1	 1/1	 1/1
Fenestrated Duckbill	Fenestrated (Clinch)	Tapered
Ø 3 mm L. 27 cm PI303822D3 * Ø 5 mm L. 25 cm PI303822S Ø 5 mm L. 33 cm PI303822 Ø 5 mm L. 45 cm PI303822L	Ø 3 mm L. 27 cm PI303823D3 * Ø 5 mm L. 25 cm PI303823S Ø 5 mm L. 33 cm PI303823 Ø 5 mm L. 45 cm PI303823L	Ø 3 mm L. 27 cm PI303825D3 * Ø 5 mm L. 25 cm PI303825S Ø 5 mm L. 33 cm PI303825 Ø 5 mm L. 45 cm PI303825L
 1/1	 1/1	
Babcock	Fenestrated Babcock	
Ø 3 mm L. 27 cm PI303821D3 * Ø 5 mm L. 25 cm PI303821S Ø 5 mm L. 33 cm PI303821 Ø 5 mm L. 45 cm PI303821L	Ø 3 mm L. 27 cm PI303824D3 * Ø 5 mm L. 25 cm PI303824S Ø 5 mm L. 33 cm PI303824 Ø 5 mm L. 45 cm PI303824L	

Standard


Regular ergonomic handle
Compatible 3 and 5 mm CPR303

With locking system


Handle with locking system
Compatible 3 and 5 mm CPR304


Handle with long ratchet
Compatible 3 and 5 mm CPR305

MONOPOLAR LAPAROSCOPIC INSTRUMENTS



ADVANTAGES

- An **innovative, adaptable** and **versatile concept**: Reusable instruments of the X-Line system are compatible with the range of single-use inserts
- Advanced analysis of the most recent ergonomic concepts has been integrated for **better tactile feeling and unrivalled precision** during the surgical procedure
- The system consists of three detachable parts including **the handle, insert and insulated sleeve**



Reliability

The range of reusable instruments is part of the X-Line system offering flexibility and performance.

Highly resistant extruded polymer insulation ensures safe and reliable electrocoagulation performance and low friction when passing through the trocar.

All X-Line reusable instruments can be sterilized in the autoclave at 134°C - 18 minutes.



« Click and Fix » System

The reusable handles offer secure locking and an unlocking system «click & fix».

It allows an interoperability of the single use and reusable inserts for good flexibility during the intervention.

PPS (Polyphenylene Sulphide) castings offer high mechanical and chemical resistance to disinfectants and autoclave sterilization cycles 134°C-18 minutes.



Cost - Performance

Comepa Industries X-LINE offers an excellent cost/performance ratio for prolonged and secure usage.

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This product range is an Eco development because it reduces the weight of the waste and avoids opening the box of untimely laparoscopic surgery.

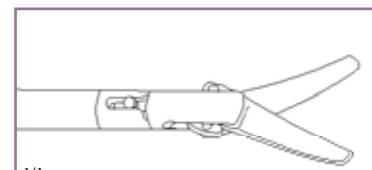
USE:



Disposable reusable handles:



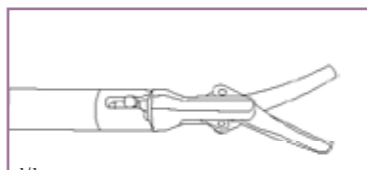
REUSABLE MONOPOLAR SCISSORS



1/1

Curved, double action Metzenbaum

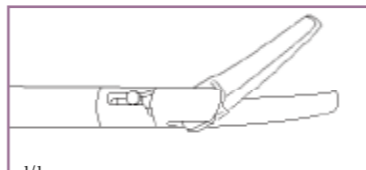
Ø 3 mm L. 28 cm **CR03301S**
Ø 5 mm L. 33 cm **CR05301**
Ø 10 mm L. 33 cm **CR10301**



1/1

Curved, double action, Mini jaws

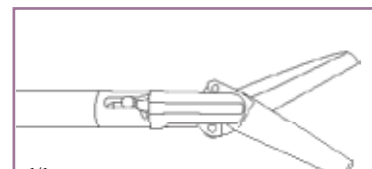
Ø 5 mm L. 33 cm **CR05302**



1/1

Curved, single action

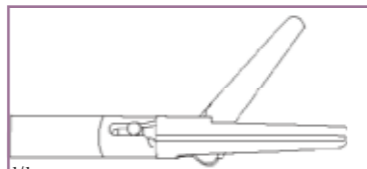
Ø 5 mm L. 33 cm **CR05303**



1/1

Straight, double action

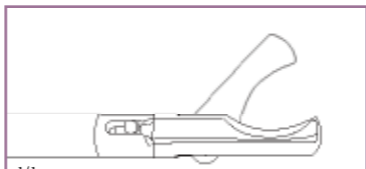
Ø 5 mm L. 33 cm **CR05304**



1/1

Straight, Single Action

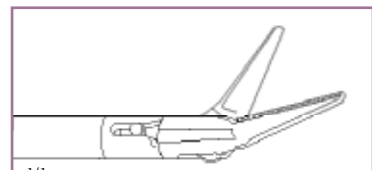
Ø 3 mm L. 28 cm **CR03305S**
Ø 5 mm L. 33 cm **CR05305**
Ø 10 mm L. 33 cm **CR10305**



1/1

Hook

Ø 3 mm L. 28 cm **CR03306S**
Ø 5 mm L. 33 cm **CR05306**

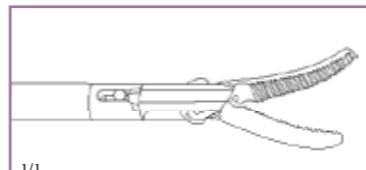


1/1

Micro Scissor 45°

Ø 5 mm L. 33 cm **CR05307**

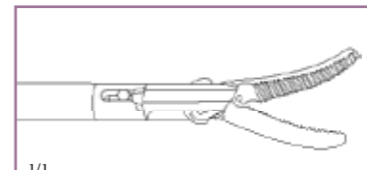
REUSABLE MONOPOLAR DISSECTORS



1/1

Maryland 12 mm

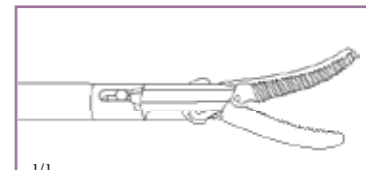
Ø 5 mm L. 33 cm **DR0530912**



1/1

Maryland 17 mm

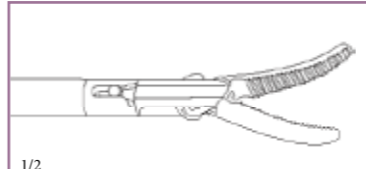
Ø 3 mm L. 28 cm **DR03309S**
Ø 5 mm L. 33 cm **DR0530917**
Ø 10 mm L. 33 cm **DR10309**



1/1

Maryland 20 mm

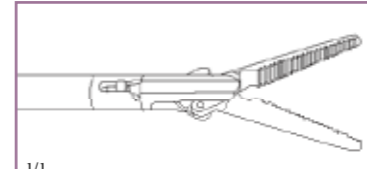
Ø 5 mm L. 33 cm **DR0530920**



1/2

Maryland 25 mm

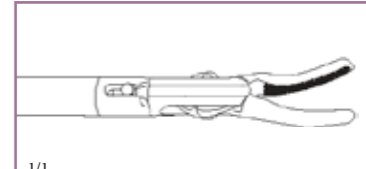
Ø 10 mm L. 33 cm **DR0530925**



1/1

Straight

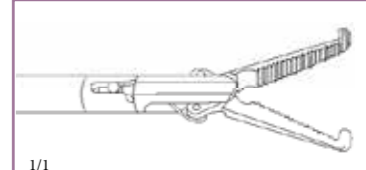
Ø 3 mm L. 28 cm **DR03308S**
Ø 5 mm L. 33 cm **DR05308**



1/1

Curved 45°

Ø 5 mm L. 33 cm **DR05310**



1/1

Straight Angle 90°

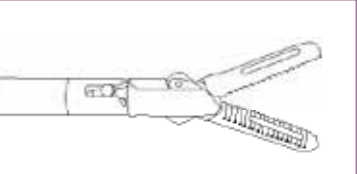
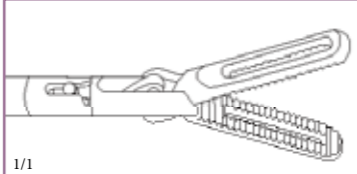
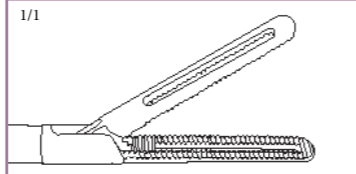
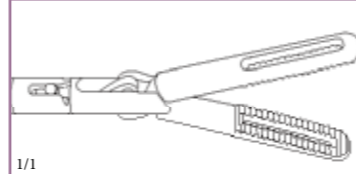
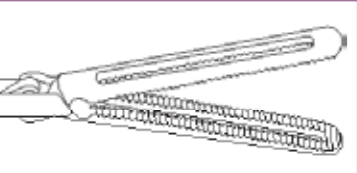
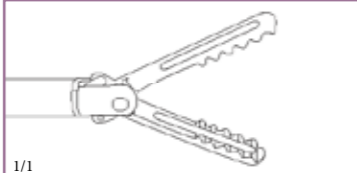
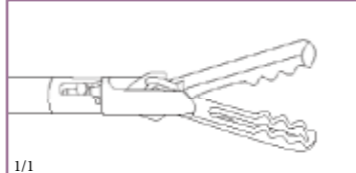
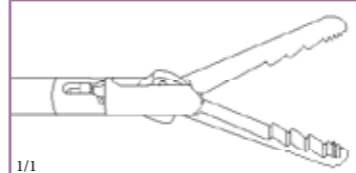
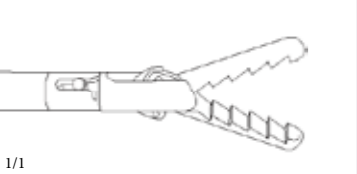
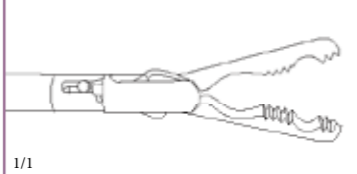
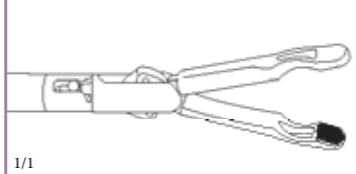
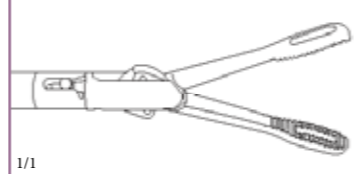
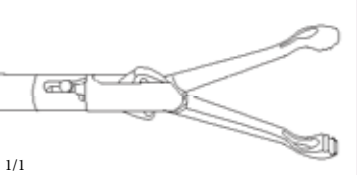
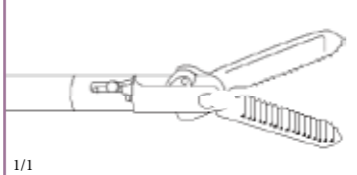
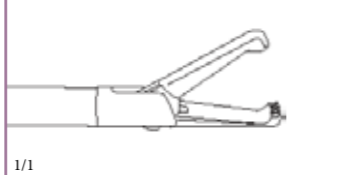
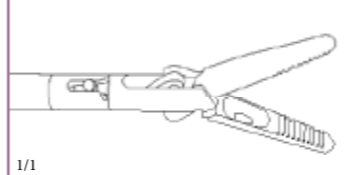
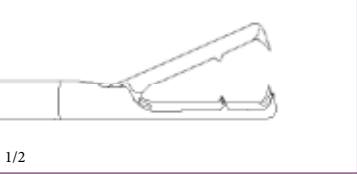
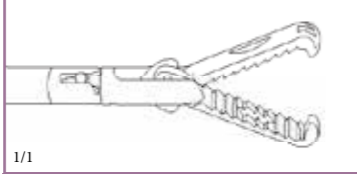
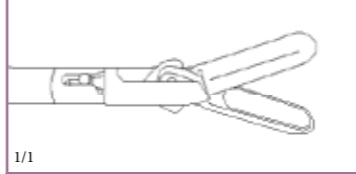
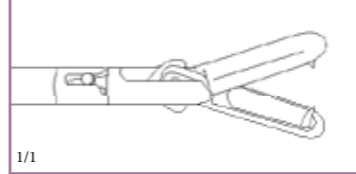

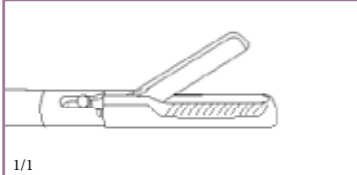
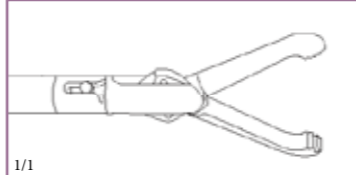
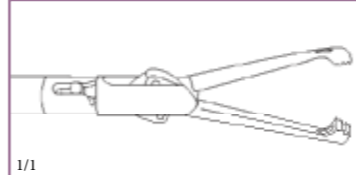
Ø 3 mm L. 28 cm **DR03311S**
Ø 5 mm L. 33 cm **DR05311**
Ø 10 mm L. 33 cm **DR10311**

REUSABLE MONOPOLAR GRASPERS



REUSABLE HANDLES

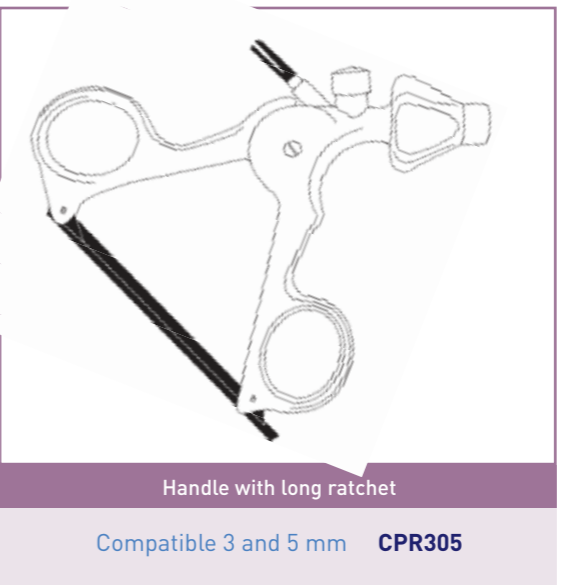
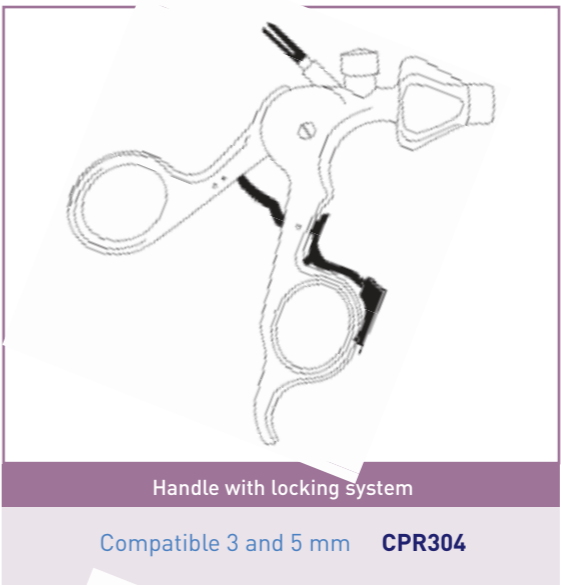


 <p>Short Fenestrated</p> <p>Ø 3 mm L. 28 cm PR033013S Ø 5 mm L. 33 cm PR05313</p>	 <p>Atraumatic Fenestrated</p> <p>Ø 3 mm L. 28 cm PR03322S Ø 5 mm L. 33 cm PR05322</p>	 <p>Long Atraumatic Fenestrated, single action</p> <p>Ø 5 mm L. 33 cm PRS05322</p>	 <p>Long Atraumatic Fenestrated</p> <p>Ø 5 mm L. 33 cm PR05314</p>
 <p>Long Fenestrated</p> <p>Ø 5 mm L. 33 cm PR05315</p>	 <p>Non-destructive (Clinch)</p> <p>Ø 5 mm L. 33 cm PR05321</p>	 <p>Strong Prehension Fenestrated</p> <p>Ø 5 mm L. 33 cm PR05318</p>	 <p>Retrograde Teeth, double action</p> <p>Ø 3 mm L. 28 cm PR03319S Ø 5 mm L. 33 cm PR05319</p>
 <p>Strong Prehension, D A, Retrograde Teeth</p> <p>Ø 5 mm L. 33 cm PR05320</p>	 <p>Strong Prehension</p> <p>Ø 3 mm L. 28 cm PR03317S Ø 5 mm L. 33 cm PR05317</p>	 <p>Babcock</p> <p>Ø 5 mm L. 33 cm PR05331</p>	 <p>Atraumatic Babcock</p> <p>Ø 5 mm L. 33 cm PR05330</p>
 <p>Fenestrated Babcock</p> <p>Ø 5 mm L. 33 cm PR05329</p>	 <p>Standard Atraumatic</p> <p>Ø 3 mm L. 28 cm PR03312S Ø 5 mm L. 33 cm PR05312</p>	 <p>Manhes, single action</p> <p>Ø 5 mm L. 33 cm PRS05332</p>	 <p>Atraumatic Dolphin</p> <p>Ø 5 mm L. 33 cm PR05316</p>
 <p>Clawed single action</p> <p>Ø 10 mm L. 33 cm PR103228</p>	 <p>Cobra 2 + 3</p> <p>Ø 3 mm L. 28 cm PR03327S Ø 5 mm L. 33 cm PR05327</p>	 <p>Biopsy double action</p> <p>Ø 3 mm L. 28 cm PR03323S Ø 5 mm L. 33 cm PR05323</p>	 <p>Biopsy double action with Pin</p> <p>Ø 5 mm L. 33 cm PR05324</p>
 <p>Biopsy Spoon single action</p> <p>Ø 10 mm L. 33 cm PR10326</p>	 <p>Biopsy single action</p> <p>Ø 5 mm L. 33 cm PR05325</p>	 <p>Allys</p> <p>Ø 3 mm L. 28 cm PR03332S Ø 5 mm L. 33 cm PR05332</p>	 <p>Allys Long jaw</p> <p>Ø 5 mm L. 33 cm PR05333</p>

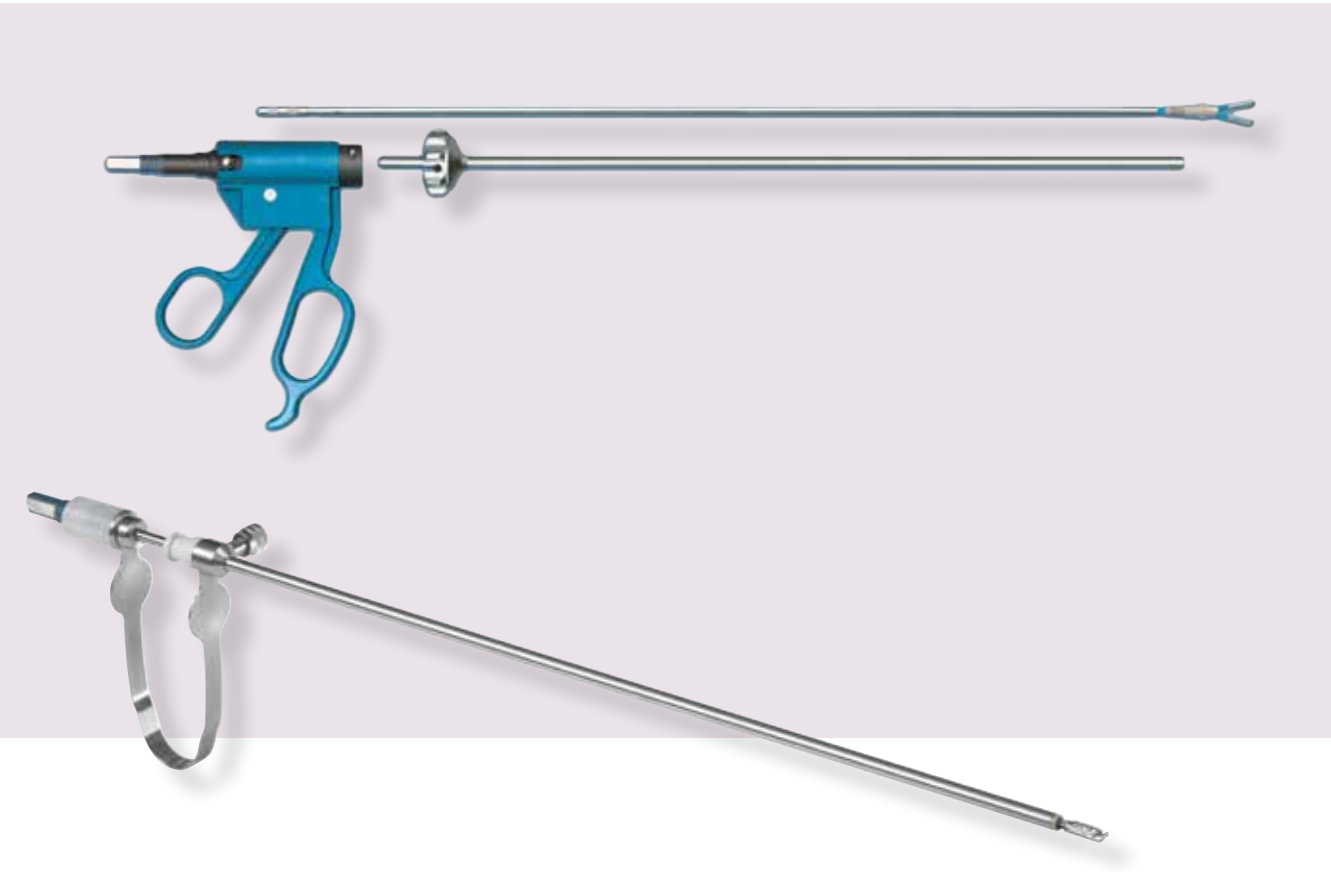
Standard



With locking system



BIPOLAR LAPAROSCOPIC INSTRUMENTS



ADVANTAGES

- The bipolar coagulation clamp is a **removable** and **reusable** instrument for use in laparoscopic surgery
- The design of the handle and instrument allows for grip and cutting with **simultaneous bipolar coagulation**
- Its mechanism allows the **precise** and **adjustable** opening and closing of the jaws, while at the same time ensuring very **high pressure** in gripping and cutting and at the same time **precise coagulation** of the tissues



Compatibility

The ergonomic handle is equipped with a connector for standard bipolar cables that allows connection to almost all common H.F generators.

The use of an adapter makes it possible to connect it, by standard bipolar cables, to all the common generators.



Adaptability

The electrode can be rotated 360°, allowing it to be positioned at any time to the desired position.

During closing, the tip does not retract, so that precise gripping of the tissue to be coagulated is possible.



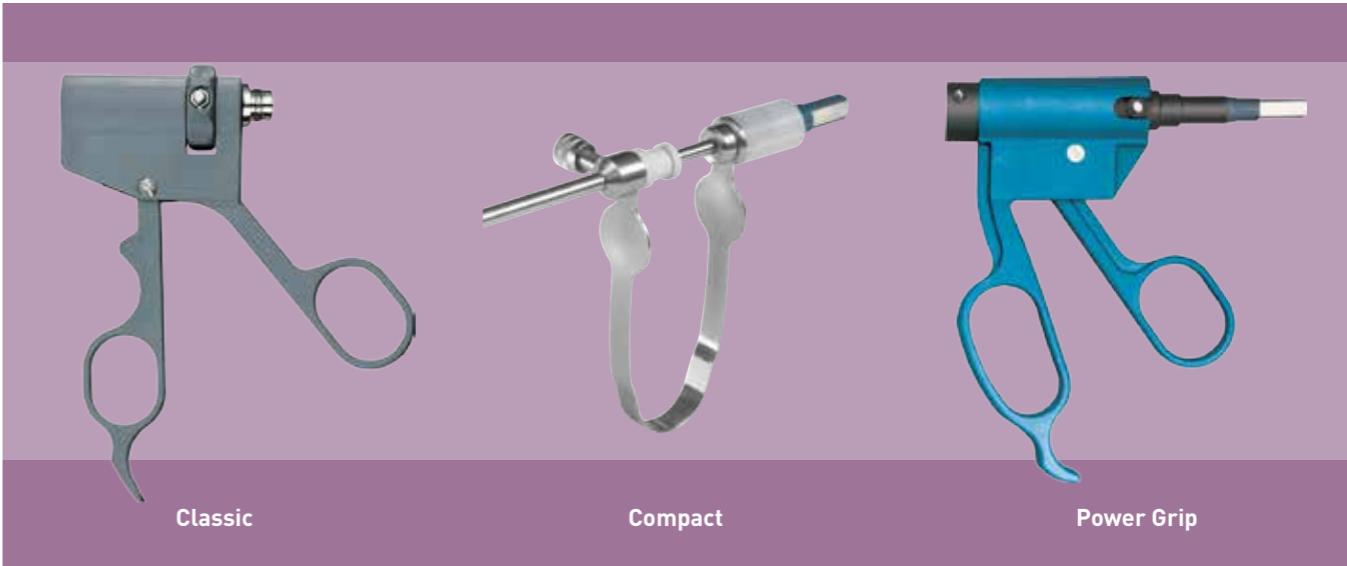
Ease of use

The clamp is easily removable, allowing for the insertion of different electrodes, easier cleaning and repair work.

Electrode inserts for different applications can be interchanged in a few seconds.

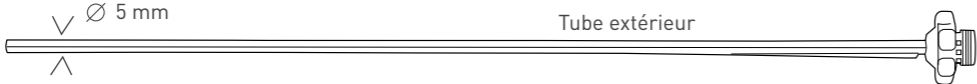
The POWERGRIP clamp can be disassembled in a few seconds

Disposable reusable handles:

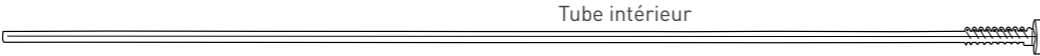


CLASSIC RANGE

Tubes



Tube extérieur



Tube intérieur

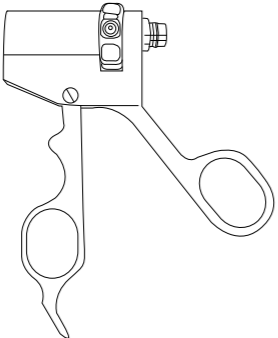
External Tube

Length 34 cm 85500003

Internal Tube

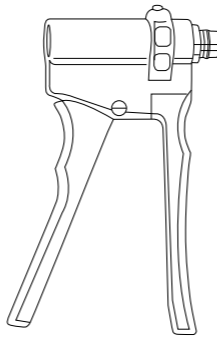
Length 34 cm 85500002

Handles



Graspers' body with ring shape handle

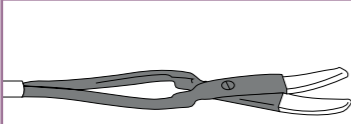
85510001



Standard graspers' body

85500001

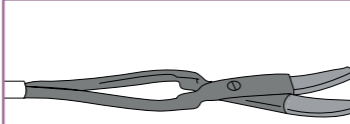
Scissors



1/1

Curved Scissors

Ø 5 mm L. 34 cm 85500017

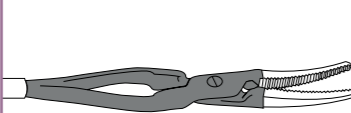


1/1

Curved Scissors, with CT blades

Ø 5 mm L. 34 cm 85500018

Dissector

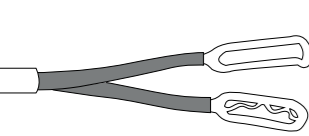


1/1

Curved Maryland

Ø 5 mm L. 34 cm 85500019

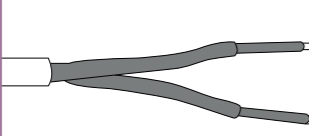
Graspers



1/1

Wavy Pin

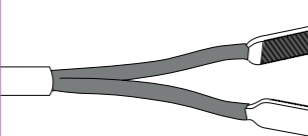
Ø 5 mm L. 34 cm 85500010



1/1

Jaw tip 1mm

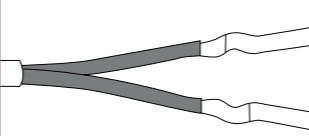
Ø 5 mm L. 34 cm 85500011



1/1

Kleppinger, tapered

Ø 5 mm L. 34 cm 85500013

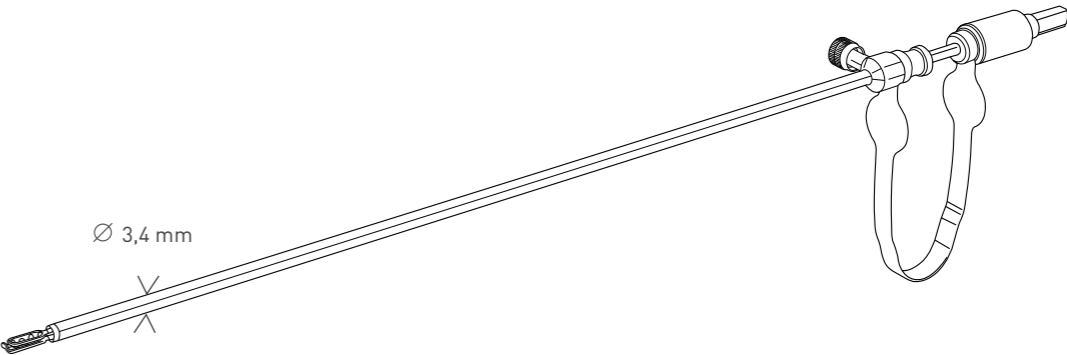


1/1

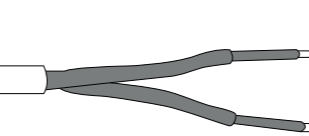
Clawed jaw, 3mm

Ø 5 mm L. 34 cm 85500015

COMPACT RANGE



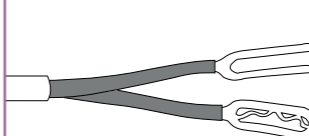
Graspers



1/1

Jaw tip 1mm

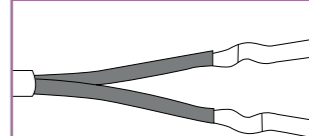
Ø 3,4 mm L. 34 cm 88600001



1/1

Wavy pin

Ø 3,4 mm L. 34 cm 88600002



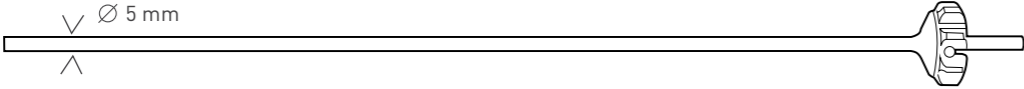
1/1

Clawed jaws

Ø 3,4 mm L. 34 cm 82100010

POWER GRIP RANGE

Rod



Ø 5 mm

External Tige

Length 34 cm 82410034


Handle



Power Grip Handle

82410001

Scissors




1/1

Curved

Ø 3 mm L 34 cm 82400018

Dissector




1/1

Curved Maryland

Ø 3 mm L 34 cm 82400019


Grasper



1/1

Large prehension


Ø 3 mm L 34 cm 82400010



1/1

Curved

Ø 3 mm L 34 cm 82400011



1/1

Clawed

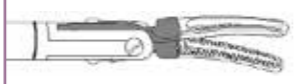
Ø 3 mm L 34 cm 82400012



1/1

Delta prehension

Ø 3 mm L 34 cm 82400014



1/1

Curved prehension

Ø 3 mm L 34 cm 82400015

COAGULATION HOOK



ADVANTAGES

- The electrode-hook range offers a **wide range of choices** for cutting and coagulating **safely**
- A wide range of attachments allows the surgeon to ensure **precise movement** and to respond to all situations
- Ergonomic handles have a **marker for easier use**
- The **single use** device is **sterile** with a **traceability label** for the patient record



Reliability

The high-quality components give the product excellent reliability for many uses in coagulation mode.

The reusable hooks are made of PPP for high reliability during disinfection and numerous times in the autoclave sterilization cycles 134°C - 18mn.

Highly resistant extruded polymer insulation ensures safe and reliable electro-coagulation performance.



Flexibility

The ready-to-use single use hooks are available in "satellite" in the block.

The hooks are available in diameters of 3 and 5 mm.

The FULLY DISPOSABLE mode is for sterile, ready-to-use hooks.

The REUSABLE mode is reserved for autoclave hooks at 134°C for 18 minutes.



Ease of use

The 4mm integrated connector allows a standardized connection on all 4mm monopolar cables.

The ergonomics of the handle give the surgeon a good grip.

Single Use:





L shaped termination

Ø 5 mm Length 330 mm EC302907L



J shaped termination

Ø 5 mm Length 330 mm EC302903J

reusable:





L shaped termination

Ø 3 mm Length 280 mm HR03LS
Ø 5 mm Length 330 mm HR05L



J shaped termination

Ø 5 mm Length 330 mm HR05J

SUCTION AND IRRIGATION KIT



ADVANTAGES

- Suction and irrigation kits are all designed with specific **anti-plication** tubing
- The ergonomic handle with **central piston valve** and **secure spring** provides **excellent feel** and **secure tightness**
- The cannula, available in 5mm and 10mm, is **interchangeable** during operation
- **Double sterilisation bag** with **traceability label** for patient record



Reliability

The suction mode is in grooved tubing and irrigation mode in smooth mode.

The stainless steel medical grade AISI304 is treated with anti-reflective to optimise the video visibility.

Dual button information by colour code and use:
BLUE: IRRIGATION
WHITE: SUCTION

The spring and the design of the buttons provide a suppleness of pressure and a regularity of feeling.



Security

The ergonomic shape of the faucet provides excellent gripping by the user.

The transparency of the materials makes it possible to visualise the flows inside the faucet.

The removable, single-pass screw cap provides access to the cannula light in the event of a congested or blocked cannula.



Ease of use

The rounded end of the cannula is totally atraumatic.

The design of the strainer and the location of the 8 side holes avoids the suction effect when suctioning tissue.

The suction and irrigation kit is equipped with a standardised PUSH connector of high elasticity, two striker connectors in the serum pocket and two flow regulators.

Codes:



Cannula Ø 10 mm only

Cannula Length 33 cm **LIRCA10**



Cannula Ø 10 mm

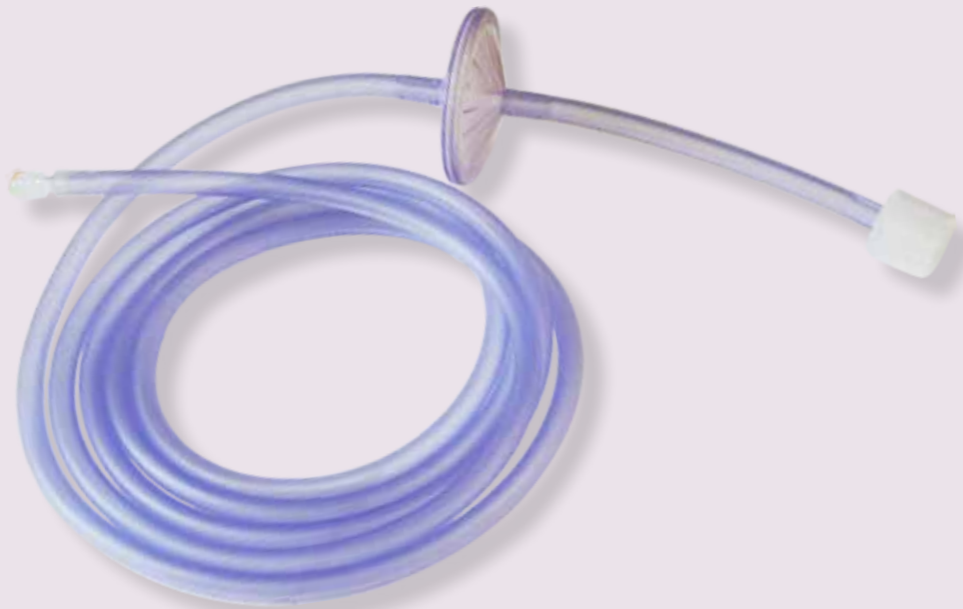
Cannula Length 33 cm **LIR601010**



Cannula Ø 5 mm

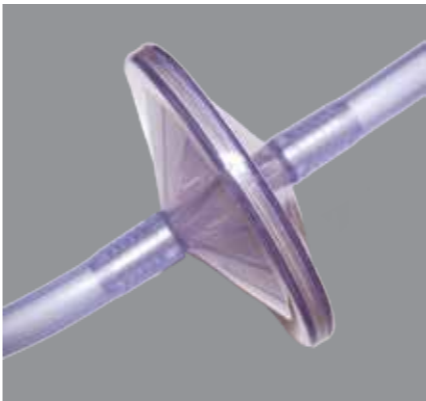
Cannula Length 33 cm **LIR605510**
Cannula Length 45 cm **LIR605545**

INSUFFLATION LINE



ADVANTAGES

- Insufflation lines are designed to **withstand high gas flow rates** to allow **rapid, controlled** and **safe** insufflation
- Tubing is **flexible, non-obstructive, lightweight** and **highly resistant to plication**
- Device packaged in **double peelable sterilisation bag** and **traceability label**



Reliability

Extra-flexible tubing for anti-plication.

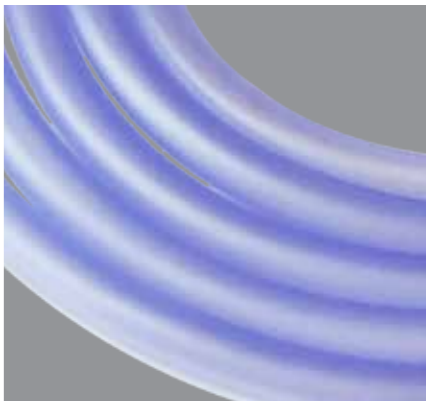
The polycarbonate filter and membrane with high hydrophobic, antibacterial and antiviral characteristics provides an excellent barrier to patient/insufflator cross contamination.

Filtration efficiency:
Bacteria: 99.999%
Particles and viruses: 99.99%



Compatibility

The various fittings ensure compatibility with all the insufflators. The wide range of fittings makes it possible to homogenise the equipment. The secure luer-lock fitting fits on all available trocars.

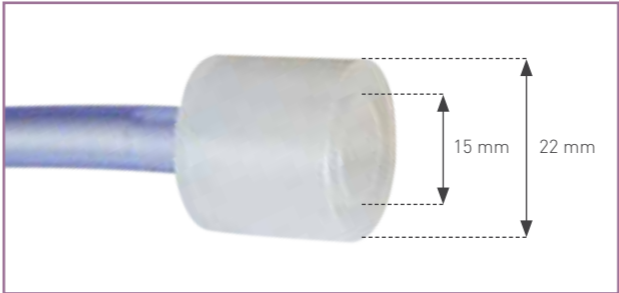


Ease of use

The ultra-light tubing avoids placing too much weight on the trocar or pneumo-peritoneum needle fitting.

Length of the tubing is 3m

Codes:



Connector 15 and 22 mm

LIF901522



Connector Push

LIF906220



Connector Toroidal

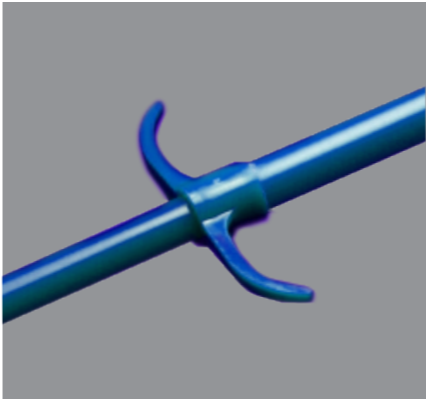
LIF906210



Connector Luer Lock

LIF906250

MANUAL EXTRACTION BAG



Reliability

The polyurethane bag provides elasticity for high tensile strength.

It is impermeable to avoid organ contamination.



Flexibility

The choice of bag size depends on the volume of what is to be extracted.

Three volumes are available:
200 ml
800 ml
1200 ml



Ease of use

The insertion of the bag is quick thanks to the ergonomics of its pusher system.

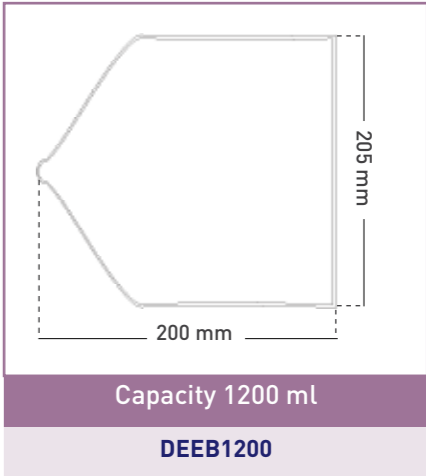
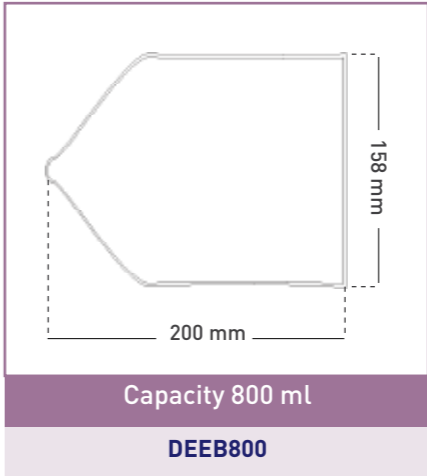
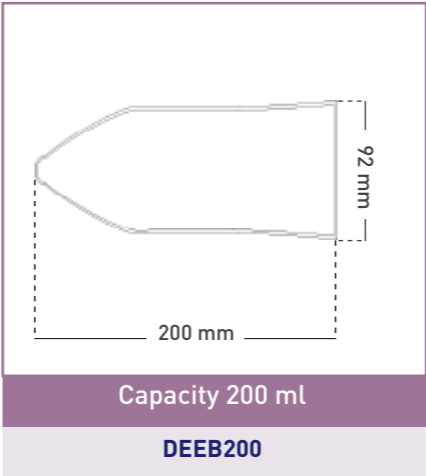
After release, the shape memory Nitinol guide wire allows automatic opening and holding of the open bag in the abdominal cavity.

Introducer diameter 10mm

ADVANTAGES

- Made of high-quality polyurethane, the extraction bags are **resistant**, **transparent**, **untearable** and **without latex** for **secure** movement
- **Three sizes** of bag carry volumes of 200 ml, 800 ml and 1200ml
- **Single-use** device in **dual sterile packaging**

Codes:



INSUFFLATION NEEDLES



ADVANTAGES

- Tapered needle tip allows **safe** and **precise insertion**
- **Two needle** lengths are available depending on the **anatomy of the patient**
- **Transparent ergonomic** body and **visual and auditory position indicators** facilitate control during insertion



Reliability

The two-dimensional long bevel sharpening is atraumatic.

The quick response spring provides safe return from peritoneal perforation and penetration into the peritoneal cavity.

Small outer diameter: 2.1mm

High strength medical steel.



Security

Dual control/locking control indicator
Visual positioning indicator: Green
Auditory perforation indicator:
Double Click



Ease of use

The gripping design of the needle head provides a good hold for safe movement.

The luer-lock valve is secured by a 45° stroke stop

Codes:



Useful lenght 120 mm

Ø 2,5 mm VN120



Useful lenght 150 mm

Ø 2,5 mm VN150

STERILE EO 2 10

CONNECTING CABLES



ADVANTAGES

- Silver alloy conductor for **excellent conductivity**
- Single-wire or two-wire **high-performance** twisted-pair conductors
- Internal insulation in FEP providing **flexibility** and **resistance**
- Monopolar and bipolar cables, **silicone-coated, without latex**



Reliability

The set of connectors available offers a wide choice of products to supply all the of equipment needed in the theatre.

The design of the reinforced connectors fully compatible with the equipment of the theatre provides reliability and safety during use.

All our products comply with European standards.

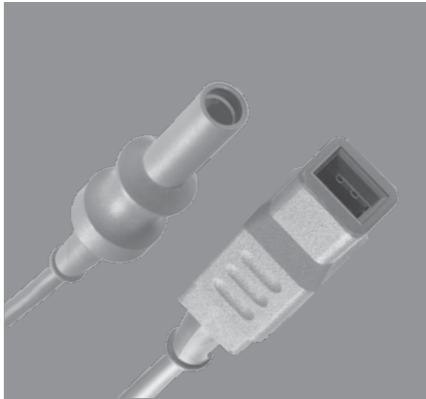


Security

A wide range of cables and adapters, mainly used by the market, is kept in stock.

A strong identification of the packaging immediately tells you what type of device the cable can connect to.

A single partner for the entire range of cables and surgical adapters in the theatre.



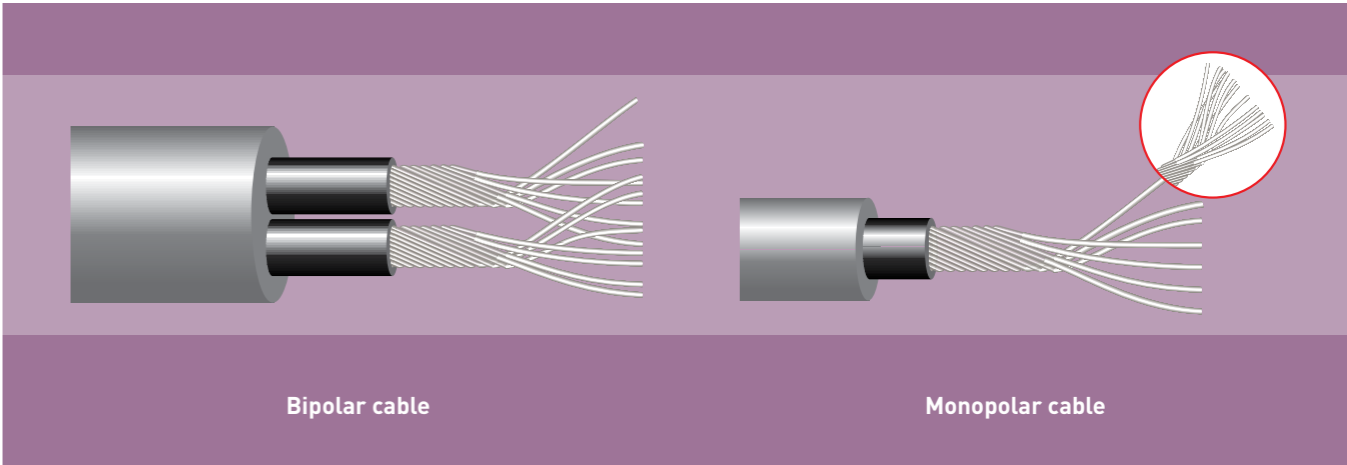
Longevity

Manufactured with high performance materials, the range of cables is developed to provide security and longevity to connections.

Equipped with high-quality materials, they have an increased resistance to the cleaning and disinfection products used during the decontamination/cleaning process.

Moreover, their design gives them a long service life in the autoclave sterilisation cycle at 134°C for 18 minutes.

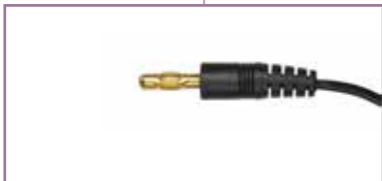
Cables details:



Single-use monopolar cables:



Elbow connector 4 mm



Male plug \varnothing 4 mm

Length 3 metres **CR504610**



Jack \varnothing 8 mm

Length 3 metres **CR504620**

Reusable bipolar cables:



Flat connector, squared



Erbe

Length 3 metres **80100037**
Length 5 metres **80100038**



Martin, Bechtold, Aesculap GK 55, GK 60

Length 3 metres **80100039**
Length 5 metres **80100047**



Valleylab, Lamidey, EMC

Length 3 metres **80100034**
Length 5 metres **80100033**



Erbe, EMC/Dolley

Length 3 metres **80100057**
Length 5 metres **80100067**

Reusable monopolar cables:



Sleeve \varnothing 4 mm



Erbe T-Serie, Martin, Berchtold

Length 3 metres **80100014**
Length 5 metres **80100016**



Bovie, Valleylab, Conmed

Length 3 metres **80100215**
Length 5 metres **80100221**



Martin, Berchtold

Length 3 metres **80100031**
Length 5 metres **80100331**



Erbe ACC/ICC

Length 3 metres **80100114**
Length 5 metres **80100115**



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- Electrophysiotherapy**