

OLYMPUS

Your Vision, Our Future

HAND INSTRUMENTS

HiQ+

Bipolar Hand Instruments
Monopolar Hand Instruments
Monopolar HF Electrodes
Suction and Irrigation
Needle Holders

THE HiQ+ SERIES



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BIPOLAR SAFETY WITH “MON

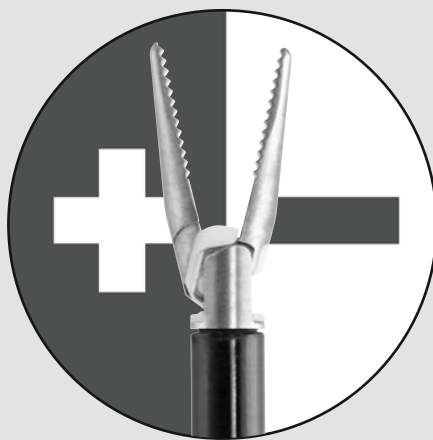


SurgMaster



RELIABLE COAGULATION

HiQ+ bipolar is designed for reliable coagulation even in challenging situations. Coagulation of small vessels or stopping of sudden bleedings where joints may become covered with blood can be performed smoothly and reliably thanks to the unique joint insulation.



BIPOLAR SAFETY

Bipolar instruments are known to be safer than monopolar devices as the electrical current flows directly between the instrument jaws, thus eliminating the need for a patient plate.

- Better control through focussed current flow within the surgeon's direct field of view.
- Reduces the risk of unpredictable current flow through the patient's body.
- Eliminates risk of injuries through malpositioning of the patient plate.

“BIPOLAR” PRECISION



HiQ+ BIPOLAR

The Olympus HiQ+ bipolar series combines the safety benefits of bipolar technology with the precision and tactility of monopolar hand instruments. HiQ+ bipolar hand instruments are designed for safe and reliable coagulation with the ability of strong grasping and dissecting.

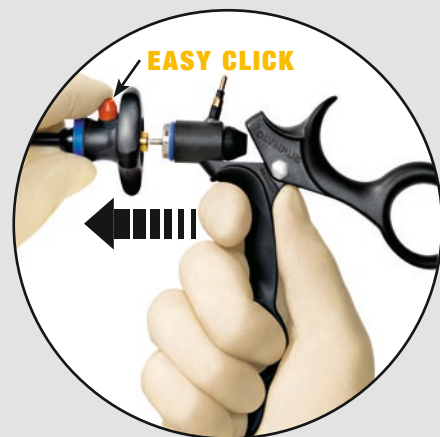
The HiQ+ bipolar series – a new standard for:

- Gynecology
- General Surgery
- Urology



STRONG GRASPING AND DISSECTION

Just as their monopolar counterparts, HiQ+ bipolar instruments are designed for high performance during grasping and dissecting – but with bipolar safety. HiQ+ bipolar replaces monopolar instruments even in procedures where strong grasping is required.



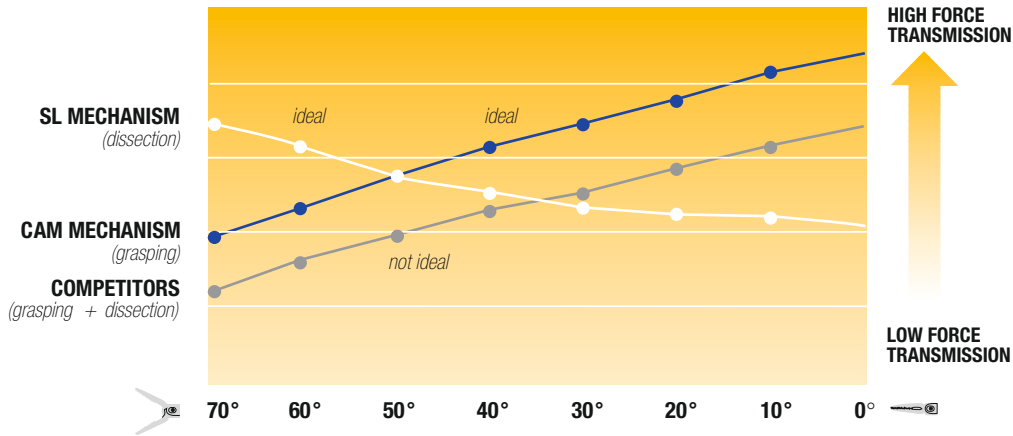
EASY REPROCESSING

The modular three part design and the “easy click” mechanism of HiQ+ bipolar instruments allow easy assembly and disassembly. HiQ+ bipolar instruments are autoclavable to meet high demands regarding sterilisation and disinfection.

FORM FOLLOWS FUNCTION



Force Transmission Diagram



Optimized force transmission for both, grasping and dissecting.

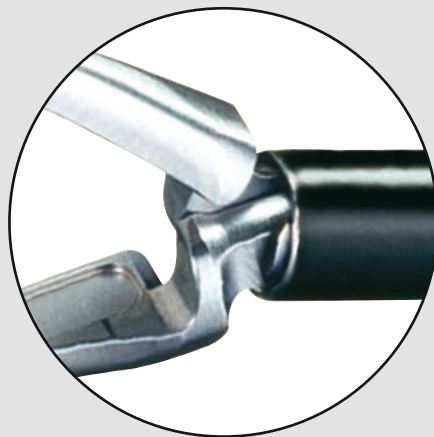
Grasping: The CAM joint mechanism enables maximum force transmission during closure of the jaws, ensuring strong and precise control with minimal effort.

Dissecting: The SL joint mechanism enables maximum force transmission during opening of the jaws, ensuring strong and precise tissue separation with minimal effort.



STRONG AND PRECISE

Surgeons demand strong and precise jaws performance in all applications. Olympus engineers developed two dedicated joint mechanisms to give the surgeon perfect tissue control: The CAM mechanism for grasping and the SL mechanism for dissecting.



RELIABLE AND SAFE

The extended insulation allows for safe and reliable performance during HF application. Both joint designs – CAM and SL – operate without protruding parts, which are a potential source of HF leakage in conventional cross-joints.



THE "EASY CLICK" MECHANISM

Assembly and disassembly is easy allowing quicker preparation of the instrument for surgical use and reprocessing. The HiQ+ "easy-click" mechanism minimizes the time and effort of assembly and disassembly.

FOLLOWS YOUR NEEDS



HiQ+ MONOPOLAR AND STANDARD

Tailored to be an ideal extension of the surgeon's hands.

- Strong but precise jaws control – for grasping, cutting and dissecting
- Streamlined handle for a perfect fit
- Multiple hand positions for continuously changing surgical needs



OPTIMIZED ERGONOMICS

Surgeons depend on laparoscopic instrumentation day in and day out. Early fatigue and nerve damage have been reported from the use of conventional laparoscopic hand instruments.

Olympus designed HiQ+ handles for superior ergonomics and comfort. The smooth curved handle shape provides extra comfort while enabling multiple hand positions, tailored to a variety of laparoscopic procedures and anatomies.

hamburgunddesign 1999



Design Award Winner 2000



design award winner 2003

SUCTION AND IRRIGATION



CLOG-FREE OPERATION

The HiQ+ suction/irrigation system is optimized for streamlined flow throughout all components, from inflow to outflow, thus enabling enhanced passage of immersed blood clots or stones. The modular system with a range of suction/irrigation tubes offers tailored solutions for a variety of laparoscopic procedures and anatomies. The HiQ suction/irrigation system combines excellent performance with surgeon-specific ergonomics and superior quality.



CUSTOMIZABLE SYSTEM

Olympus offers a wide range of suction/irrigation tubes for its HiQ+ system:

- Diameters of 3, 5 and 10 mm
- Working lengths of 360 and 450 mm
- Multiple tip designs, e.g. for harvesting lost gall bladder stones or aspirating hydrops



OPTIMIZED ERGONOMICS

Choice of two ergonomically designed handles for differing irrigation needs:

- Active handle with finger tip lever controlled suction/irrigation
- Passive handle with foot switch control in combination with pumps



EASY REPROCESSING

The HiQ+ suction/irrigation system is designed for easy assembly, disassembly and cleaning. All components are easily detachable and autoclavable.

NEEDLE HOLDERS



STRONG AND DURABLE

The HiQ+ needle holders and knot pushers are a series of instruments designed to meet the highest expectations of functionality, ergonomics, and reprocessing.



Baden-Württemberg
International
Design Award 2004



STRONG AND DURABLE

The HiQ+ needle holders are engineered for:

- High grasping strength
- High accuracy to ensure precise and reliable control of the needle
- High durability with hard-metal inlays in the jaws



EXCHANGEABLE JAWS INSERTS

The HiQ+ needle holder is available with five interchangeable jaws:

- Straight needle holder
- Left-/right-curved needle holder
- Self-aligning needle holder
- Assistant needle holder

The modular design permits easy assembly, disassembly and cleaning. All parts are autoclavable.



OPTIMIZED ERGONOMICS

The HiQ+ needle holder handle meets the highest ergonomic demands. Olympus engineers work closely together with experts in ergonomics to design the handle as “a part of the surgeon’s hand”.

5 MM BIPOLAR FORCEPS

Johann Forceps

Multipurpose forceps for strong grasping and atraumatic dissection for all laparoscopic procedures



Grasping forceps, fenestrated, length of jaws: 16.5 mm, bipolar,

WA63120C 330 mm, Ergo handle
WA63121C 430 mm, Ergo handle

Components

WA64120C Jaws insert, 330 mm working length
WA64121C Jaws insert, 430 mm working length
WA60800C Shaft, 330 mm working length
WA60801C Shaft, 430 mm working length
WA60101C Handle "Ergo", bipolar

Straight Forceps

Multipurpose straight dissection forceps for all laparoscopic procedures



Dissection forceps, straight, length of jaws: 12.7 mm, bipolar,

WA63310C 330 mm, Ergo handle
WA63311C 430 mm, Ergo handle

Components

WA64310C Jaws insert, 330 mm working length
WA64311C Jaws insert, 430 mm working length
WA60800C Shaft, 330 mm working length
WA60801C Shaft, 430 mm working length
WA60101C Handle "Ergo", bipolar

Hirsch Forceps

For tubal sterilization and endometriosis treatment



Grasping forceps, Hirsch, length of jaws: 19.7 mm, bipolar,

WA63200C 330 mm, Ergo handle
WA63201C 430 mm, Ergo handle

Components

WA64200C Jaws insert, 330 mm working length
WA64201C Jaws insert, 430 mm working length
WA60800C Shaft, 330 mm working length
WA60801C Shaft, 430 mm working length
WA60101C Handle "Ergo", bipolar

Maryland

Multipurpose curved dissection forceps for all laparoscopic procedures



Dissection forceps, Maryland, length of jaws: 14.7 mm, bipolar,

WA63320C 330 mm, Ergo handle
WA63321C 430 mm, Ergo handle

Components

WA64320C Jaws insert, 330 mm working length
WA64321C Jaws insert, 430 mm working length
WA60800C Shaft, 330 mm working length
WA60801C Shaft, 430 mm working length
WA60101C Handle "Ergo", bipolar

Tweezers

For very delicate dissection and coagulation



Dissection forceps, tweezers, length of jaws: 17.2 mm, bipolar,

WA63210C 330 mm, Ergo handle
WA63211C 430 mm, Ergo handle

Components

WA64210C Jaws insert, 330 mm working length
WA64211C Jaws insert, 430 mm working length
WA60800C Shaft, 330 mm working length
WA60801C Shaft, 430 mm working length
WA60101C Handle "Ergo", bipolar

Manhes Forceps

Grasping forceps for myomectomy and cystectomy



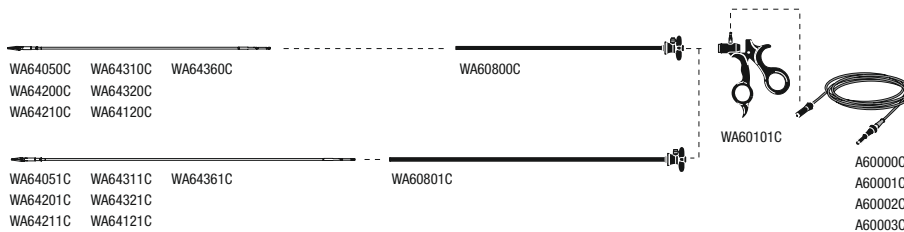
Grasping forceps, Manhes, length of jaws: 14 mm, bipolar,

WA63050C 330 mm, Ergo handle
WA63051C 430 mm, Ergo handle

Components

WA64050C Jaws insert, 330 mm working length
WA64051C Jaws insert, 430 mm working length
WA60800C Shaft, 330 mm working length
WA60801C Shaft, 430 mm working length
WA60101C Handle "Ergo", bipolar

System Chart



Fine Maryland Forceps

Due to increased branch length the jaws allow improved overview and handling. Suitable for kidney resection and adrenalectomy.



Dissection forceps, Maryland, length of jaws: 19 mm, bipolar

WA63360C 330 mm, Ergo handle
WA63361C 430 mm, Ergo handle

Components

WA64360C Jaws insert, 330 mm working length
WA64361C Jaws insert, 430 mm working length
WA60800C Shaft, 330 mm working length
WA60801C Shaft, 430 mm working length
WA60101C Handle "Ergo", bipolar

5 MM GRASPING FORCEPS

HiQ+ Bipolar Components

WA60101C Handle "Ergo", bipolar



WA60800C Shaft, insulated, bipolar, 5 x 330 mm



WA60801C Shaft, insulated, bipolar, 5 x 430 mm



A03441A Spare release button, 10 pcs., for HiQ+ shafts



HF cable, bipolar, 3.5 m length, for UES-20/-30/-40, and Valleylab HF units



A60003C for Erbe International HF units
A60001C for Martin and Berchtold HF units
A60002C for Erbe ACC/ICC/VIO* HF units

* Depending on individual connector configuration

Atraumatic Grasping Forceps

Multi-purpose grasping forceps for all laparoscopic applications



Grasping forceps, atraumatic, length of jaws: 16 mm,

A63010S 250 mm, Ergo handle, ratchet
A63010A 330 mm, Ergo handle, ratchet
A63010L 430 mm, Ergo handle, ratchet
WA63012A 330 mm, Ergo handle, monopolar, deactivatable ratchet
A63013S 250 mm, Ergo S handle, ratchet
A63013A 330 mm, Ergo S handle, ratchet
A63013L 430 mm, Ergo S handle, ratchet
WA63014A 330 mm, Ergo S handle, monopolar, deactivatable ratchet

Components

A64010S Jaws insert, 250 mm working length
A64010A Jaws insert, 330 mm working length
A64010L Jaws insert, 430 mm working length
A60800S Shaft, 250 mm working length
A60800A Shaft, 330 mm working length
A60800L Shaft, 430 mm working length
A60100A Handle "Ergo", ratchet
WA60115A Handle "Ergo", monopolar, deactivatable ratchet
A60200A Handle "Ergo S", ratchet
WA60205A Handle "Ergo S", monopolar, deactivatable ratchet

Claw Forceps

For recovery of e.g. gall bladder, myoma, etc.



Grasping forceps, claw type, length of jaws: 28 mm,

A63020A 330 mm, Ergo handle, ratchet
WA63022A 330 mm, Ergo handle, monopolar, deactivatable ratchet
A63023A 330 mm, Ergo S handle, ratchet
WA63024A 330 mm, Ergo S handle, monopolar, deactivatable ratchet

Components

WA64020S Jaws insert, 250 mm working length
A64020A Jaws insert, 330 mm working length
WA64020L Jaws insert, 430 mm working length
A60800S Shaft, 250 mm working length
A60800A Shaft, 330 mm working length
A60800L Shaft, 430 mm working length
A60100A Handle "Ergo", ratchet
WA60115A Handle "Ergo", monopolar, deactivatable ratchet
A60200A Handle "Ergo S", ratchet
WA60205A Handle "Ergo S", monopolar, deactivatable ratchet

Flat Grasping Forceps

Multi-purpose fenestrated grasping forceps for all laparoscopic applications



Grasping forceps, atraumatic, flat, length of jaws: 19 mm,

A63030A 330 mm, Ergo handle, ratchet
WA63032A 330 mm, Ergo handle, monopolar, deactivatable ratchet
A63033A 330 mm, Ergo S handle, ratchet
WA63034A 330 mm, Ergo S handle, monopolar, deactivatable ratchet

Components

WA64030S Jaws insert, 250 mm working length
A64030A Jaws insert, 330 mm working length
WA64030L Jaws insert, 430 mm working length
A60800S Shaft, 250 mm working length
A60800A Shaft, 330 mm working length
A60800L Shaft, 430 mm working length
A60100A Handle "Ergo", ratchet
WA60115A Handle "Ergo", monopolar, deactivatable ratchet
A60200A Handle "Ergo S", ratchet
WA60205A Handle "Ergo S", monopolar, deactivatable ratchet

Grasping Forceps With Lumen

Atraumatic grasping forceps for delicate tissue manipulation (e.g. bowel, tubes)



Grasping forceps, with lumen, length of jaws: 21 mm,

A63040A 330 mm, Ergo handle, ratchet
WA63042A 330 mm, Ergo handle, monopolar, deactivatable ratchet
A63043A 330 mm, Ergo S handle, ratchet
WA63044A 330 mm, Ergo S handle, monopolar, deactivatable ratchet

Components

WA64040S Jaws insert, 250 mm working length
A64040A Jaws insert, 330 mm working length
WA64040L Jaws insert, 430 mm working length
A60800S Shaft, 250 mm working length
A60800A Shaft, 330 mm working length
A60800L Shaft, 430 mm working length
A60100A Handle "Ergo", ratchet
WA60115A Handle "Ergo", monopolar, deactivatable ratchet
A60200A Handle "Ergo S", ratchet
WA60205A Handle "Ergo S", monopolar, deactivatable ratchet

5 MM GRASPING FORCEPS

Manhes Forceps

Precise fixation and manipulation of fragile tissue



Grasping forceps, Manhes,

length of jaws: 18 mm,

A63050A 330 mm, Ergo handle, ratchet

WA63052A 330 mm, Ergo handle, monopolar, deactivatable ratchet

A63053A 330 mm, Ergo S handle, ratchet

WA63054A 330 mm, Ergo S handle, monopolar, deactivatable ratchet

Components

A64050A Jaws insert, 330 mm working length

WA64050L Jaws insert, 430 mm working length

A60800A Shaft, 330 mm working length

A60800L Shaft, 430 mm working length

A60100A Handle "Ergo", ratchet

WA60115A Handle "Ergo", monopolar, deactivatable ratchet

A60200A Handle "Ergo S", ratchet

WA60205A Handle "Ergo S", monopolar, deactivatable ratchet

Wave Type Grasping Forceps

Dedicated grasping forceps for bowel and fragile tissue



Grasping forceps, wave type, atraumatic, length of jaws: 30 mm,

A63080A 330 mm, Ergo handle, ratchet

WA63082A 330 mm, Ergo handle, monopolar, deactivatable ratchet

A63083A 330 mm, Ergo S handle, ratchet

WA63084A 330 mm, Ergo S handle, monopolar, deactivatable ratchet

Components

A64080A Jaws insert, 330 mm working length

WA64080L Jaws insert, 430 mm working length

A60800A Shaft, 330 mm working length

A60800L Shaft, 430 mm working length

A60100A Handle "Ergo", ratchet

WA60115A Handle "Ergo", monopolar, deactivatable ratchet

A60200A Handle "Ergo S", ratchet

WA60205A Handle "Ergo S", monopolar, deactivatable ratchet

Johann Forceps

Multi-purpose grasping forceps with large jaws and good visibility



Grasping forceps, Johann, fenestrated, length of jaws: 24 mm,

A63120S 250 mm, Ergo handle, ratchet

A63120A 330 mm, Ergo handle, ratchet

WA63120L 430 mm, Ergo handle, ratchet

WA63122A 330 mm, Ergo handle, monopolar, deactivatable ratchet

A63123S 250 mm, Ergo S handle, ratchet

A63123A 330 mm, Ergo S handle, ratchet

WA63123L 430 mm, Ergo S handle, ratchet

WA63124A 330 mm, Ergo S handle, monopolar, deactivatable ratchet

Components

A64120S Jaws insert, 250 mm working length

A64120A Jaws insert, 330 mm working length

WA64120L Jaws insert, 430 mm working length

A60800S Shaft, 250 mm working length

A60800A Shaft, 330 mm working length

A60800L Shaft, 430 mm working length

A60100A Handle "Ergo", ratchet

WA60115A Handle "Ergo", monopolar, deactivatable ratchet

A60200A Handle "Ergo S", ratchet

WA60205A Handle "Ergo S", monopolar, deactivatable ratchet

Crocodile Forceps

For strong and tight fixation of tissue (e.g. stomach, gall bladder)



Grasping forceps, crocodile type, length of jaws: 18 mm,

A63070A 330 mm, Ergo handle, ratchet

WA63072A 330 mm, Ergo handle, monopolar, deactivatable ratchet

A63073A 330 mm, Ergo S handle, ratchet

WA63074A 330 mm, Ergo S handle, monopolar, deactivatable ratchet

Components

A64070A Jaws insert, 330 mm working length

WA64070L Jaws insert, 430 mm working length

A60800A Shaft, 330 mm working length

A60800L Shaft, 430 mm working length

A60100A Handle "Ergo", ratchet

WA60115A Handle "Ergo", monopolar, deactivatable ratchet

A60200A Handle "Ergo S", ratchet

WA60205A Handle "Ergo S", monopolar, deactivatable ratchet

Babcock Forceps

Widest inner lumen of all 5 mm HiQ+ hand instruments, "paddle" design for maximum grasping performance without damage of tissue (e.g. colon)



Grasping forceps, Babcock, length of jaws: 31 mm,

WA63140A 330 mm, Ergo handle, ratchet

WA63142A 330 mm, Ergo handle, monopolar, deactivatable ratchet

WA63143A 330 mm, Ergo S handle, ratchet

WA63144A 330 mm, Ergo S handle, monopolar, deactivatable ratchet

Components

WA64140A Jaws insert, 330 mm working length

WA64140L Jaws insert, 430 mm working length

A60800A Shaft, 330 mm working length

A60800L Shaft, 430 mm working length

A60100A Handle "Ergo", ratchet

WA60115A Handle "Ergo", monopolar, deactivatable ratchet

A60200A Handle "Ergo S", ratchet

WA60205A Handle "Ergo S", monopolar, deactivatable ratchet

Long Johann Forceps

Longest jaws in the 5 mm line of HiQ+ hand instruments for atraumatic grasping of larger organs (e.g. colon)



Grasping forceps, Johann, long, length of jaws: 40 mm,

WA63130A 330 mm, Ergo handle, ratchet

WA63132A 330 mm, Ergo handle, monopolar, deactivatable ratchet

WA63133A 330 mm, Ergo S handle, ratchet

WA63134A 330 mm, Ergo S handle, monopolar, deactivatable ratchet

Components

WA64130A Jaws insert, 330 mm working length

WA64130L Jaws insert, 430 mm working length

A60800A Shaft, 330 mm working length

A60800L Shaft, 430 mm working length

A60100A Handle "Ergo", ratchet

WA60115A Handle "Ergo", monopolar, deactivatable ratchet

A60200A Handle "Ergo S", ratchet

WA60205A Handle "Ergo S", monopolar, deactivatable ratchet

5 MM GRASPING FORCEPS

Johann Single-Action Forceps

The single-action mechanism offers improved handling in limited operation areas and allows an atraumatic and firm grasping of soft tissue (e.g. colon).



Grasping forceps, Johann, single action, length of jaws: 24 mm,

- WA63190A 330 mm, Ergo handle, ratchet
- WA63190L 430 mm, Ergo handle, ratchet
- WA63192A 330 mm, Ergo handle, monopolar, deactivatable ratchet
- WA63193A 330 mm, Ergo S handle, ratchet
- WA63193L 430 mm, Ergo S handle, ratchet
- WA63194A 330 mm, Ergo S handle, monopolar, deactivatable ratchet

Components

- WA64190A Jaws insert, 330 mm working length
- WA64190L Jaws insert, 430 mm working length
- A60800A Shaft, 330 mm working length
- A60800L Shaft, 430 mm working length
- A60100A Handle "Ergo", ratchet
- WA60115A Handle "Ergo", monopolar, deactivatable ratchet
- A60200A Handle "Ergo S", ratchet
- WA60205A Handle "Ergo S", monopolar, deactivatable ratchet

CroceOlmi Grasping Forceps

Allows through a special jaws design the grasping and refixation of the tissue out of the hernia sac and bowel manipulation.



Grasping forceps, CroceOlmi, length of jaws: 29 mm,

- WA63150A 330 mm, Ergo handle, monopolar
- WA63150L 430 mm, Ergo handle, monopolar
- WA63152A 330 mm, Ergo handle, monopolar, deactivatable ratchet
- WA63153A 330 mm, Ergo S handle, ratchet
- WA63153L 430 mm, Ergo S handle, monopolar
- WA63154A 330 mm, Ergo S handle, monopolar, deactivatable ratchet

Components

- WA64150A Jaws insert, 330 mm working length
- WA64150L Jaws insert, 430 mm working length
- A60800A Shaft, 330 mm working length
- A60800L Shaft, 430 mm working length
- A60100A Handle "Ergo", ratchet
- A60101A Handle "Ergo", monopolar
- WA60115A Handle "Ergo", monopolar, deactivatable ratchet
- A60200A Handle "Ergo S", ratchet
- A60201A Handle "Ergo S", monopolar
- WA60205A Handle "Ergo S", monopolar, deactivatable ratchet

Atraumatic Forceps With Lumen

Due to inner lumen and short overall length the jaws provide a good atraumatic grip. The lumen creates a tweezer effect. Both the atraumatic grip and the tweezer effect are perfect for perpendicular grasping as needed in the endometriosis treatment.



Grasping forceps, atraumatic, lumen, length of jaws: 16 mm,

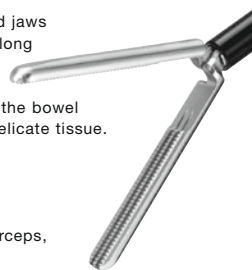
- WA63170A 330 mm, Ergo handle, monopolar
- WA63172A 330 mm, Ergo handle, monopolar, deactivatable ratchet
- WA63173A 330 mm, Ergo S handle, ratchet
- WA63174A 330 mm, Ergo S handle, monopolar, deactivatable ratchet

Components

- WA64170A Jaws insert, 330 mm working length
- A60800A Shaft, 330 mm working length
- A60101A Handle "Ergo", monopolar
- WA60115A Handle "Ergo", monopolar, deactivatable ratchet
- A60200A Handle "Ergo S", ratchet
- WA60205A Handle "Ergo S", monopolar, deactivatable ratchet

DeBakey Grasping Forceps

Fine toothed jaws design and long jaws allow atraumatic grasping of the bowel and other delicate tissue.



Grasping forceps, DeBakey, length of jaws: 35 mm,

- WA63160A 330 mm, Ergo handle, monopolar, ratchet
- WA63160L 430 mm, Ergo handle, monopolar
- WA63162A 330 mm, Ergo handle, monopolar, deactivatable ratchet
- WA63163A 330 mm, Ergo S handle, ratchet
- WA63163L 430 mm, Ergo S handle, monopolar
- WA63164A 330 mm, Ergo S handle, monopolar, deactivatable ratchet

Components

- WA64160A Jaws insert, 330 mm working length
- WA64160L Jaws insert, 430 mm working length
- A60800A Shaft, 330 mm working length
- A60800L Shaft, 430 mm working length
- A60100A Handle "Ergo", ratchet
- A60101A Handle "Ergo", monopolar
- A60102A Handle "Ergo", monopolar, ratchet
- WA60115A Handle "Ergo", monopolar, deactivatable ratchet
- A60200A Handle "Ergo S", ratchet
- A60201A Handle "Ergo S", monopolar
- WA60205A Handle "Ergo S", monopolar, deactivatable ratchet

Clinching Forceps

Allows atraumatic, firm grasping of the gall bladder and other slippery tissue through its special tooth design. Mandatory jaws for cholecystectomy.



Grasping forceps, clinching, length of jaws: 26 mm,

- WA63180A 330 mm, Ergo handle, ratchet
- WA63182A 330 mm, Ergo handle, monopolar, deactivatable ratchet
- WA63183A 330 mm, Ergo S handle, ratchet
- WA63184A 330 mm, Ergo S handle, monopolar, deactivatable ratchet

Components

- WA64180A Jaws insert, 330 mm working length
- A60800A Shaft, 330 mm working length
- A60100A Handle "Ergo", ratchet
- WA60115A Handle "Ergo", monopolar, deactivatable ratchet
- A60200A Handle "Ergo S", ratchet
- WA60205A Handle "Ergo S", monopolar, deactivatable ratchet

5 MM DISSECTION FORCEPS

Dissection Forceps

For delicate dissection and needle holder assistance



Dissection forceps, straight, length of jaws: 15 mm,

- A63310S 250 mm, Ergo handle, monopolar
- A63310A 330 mm, Ergo handle, monopolar
- WA63312A 330 mm, Ergo handle, monopolar, deactivatable ratchet
- A63313S 250 mm, Ergo S handle, monopolar
- A63313A 330 mm, Ergo S handle, monopolar
- WA63314A 330 mm, Ergo S handle, monopolar, deactivatable ratchet

Components

- A64310S Jaws insert, 250 mm working length
- A64310A Jaws insert, 330 mm working length
- WA64310L Jaws insert, 430 mm working length
- A60800S Shaft, 250 mm working length
- A60800A Shaft, 330 mm working length
- A60800L Shaft, 430 mm working length
- A60101A Handle "Ergo", monopolar
- WA60115A Handle "Ergo", monopolar, deactivatable ratchet
- A60201A Handle "Ergo S", monopolar
- WA60205A Handle "Ergo S", monopolar, deactivatable ratchet

Maryland Forceps

Multipurpose curved dissection forceps for all laparoscopic applications



Dissection forceps, Maryland, length of jaws: 21 mm,

- A63320S 250 mm, Ergo handle, monopolar
- A63320A 330 mm, Ergo handle, monopolar
- A63320L 430 mm, Ergo handle, monopolar
- WA63322A 330 mm, Ergo handle, monopolar, deactivatable ratchet
- A63323S 250 mm, Ergo S handle, monopolar
- A63323A 330 mm, Ergo S handle, monopolar
- A63323L 430 mm, Ergo S handle, monopolar
- WA63324A 330 mm, Ergo S handle, monopolar, deactivatable ratchet

Components

- A64320S Jaws insert, 250 mm working length
- A64320A Jaws insert, 330 mm working length
- A64320L Jaws insert, 430 mm working length
- A60800S Shaft, 250 mm working length
- A60800A Shaft, 330 mm working length
- A60800L Shaft, 430 mm working length
- A60101A Handle "Ergo", monopolar
- WA60115A Handle "Ergo", monopolar, deactivatable ratchet
- A60201A Handle "Ergo S", monopolar
- WA60205A Handle "Ergo S", monopolar, deactivatable ratchet

Right Angle Dissection Forceps

For blood vessel dissection



Dissection forceps, 90° angled, length of jaws: 18 mm,

- WA63330A 330 mm, Ergo handle, monopolar
- WA63332A 330 mm, Ergo handle, monopolar, deactivatable ratchet
- WA63333A 330 mm, Ergo S handle, monopolar
- WA63334A 330 mm, Ergo S handle, monopolar, deactivatable ratchet

Components

- WA64330S Jaws insert, 250 mm working length
- WA64330A Jaws insert, 330 mm working length
- WA64330L Jaws insert, 430 mm working length
- A60800S Shaft, 250 mm working length
- A60800A Shaft, 330 mm working length
- A60800L Shaft, 430 mm working length
- A60101A Handle "Ergo", monopolar
- WA60115A Handle "Ergo", monopolar, deactivatable ratchet
- A60201A Handle "Ergo S", monopolar
- WA60205A Handle "Ergo S", monopolar, deactivatable ratchet

Short Maryland Forceps

For precise dissection and needle holder assistance



Dissection forceps, Maryland, short, length of jaws: 17 mm,

- A63340A 330 mm, Ergo handle, monopolar
- WA63342A 330 mm, Ergo handle, monopolar, deactivatable ratchet
- A63343A 330 mm, Ergo S handle, monopolar
- WA63344A 330 mm, Ergo S handle, monopolar, deactivatable ratchet

Components

- WA64340S Jaws insert, 250 mm working length
- A64340A Jaws insert, 330 mm working length
- WA64340L Jaws insert, 430 mm working length
- A60800S Shaft, 250 mm working length
- A60800A Shaft, 330 mm working length
- A60800L Shaft, 430 mm working length
- A60101A Handle "Ergo", monopolar
- WA60115A Handle "Ergo", monopolar, deactivatable ratchet
- A60201A Handle "Ergo S", monopolar
- WA60205A Handle "Ergo S", monopolar, deactivatable ratchet

Maryland Forceps with Cross Tooth Pattern

The cross tooth surface design allows stronger grasping performance



Dissection forceps, Maryland, cross tooth pattern, length of jaws: 17 mm,

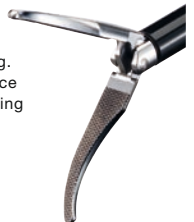
- WA63350A 330 mm, Ergo handle, monopolar
- WA63552A 330 mm, Ergo handle, monopolar, deactivatable ratchet
- WA63353A 330 mm, Ergo S handle, monopolar
- WA63554A 330 mm, Ergo S handle, monopolar, deactivatable ratchet

Components

- WA64350S Jaws insert, 250 mm working length
- WA64350A Jaws insert, 330 mm working length
- WA64350L Jaws insert, 430 mm working length
- A60800S Shaft, 250 mm working length
- A60800A Shaft, 330 mm working length
- A60800L Shaft, 430 mm working length
- A60101A Handle "Ergo", monopolar
- WA60115A Handle "Ergo", monopolar, deactivatable ratchet
- A60201A Handle "Ergo S", monopolar
- WA60205A Handle "Ergo S", monopolar, deactivatable ratchet

Fine Maryland Forceps with Cross Tooth Pattern

Longer branch length improves the overview and handling. The cross tooth surface allows stronger grasping performance.



Dissection forceps, Maryland fine, cross tooth pattern, length of jaws: 19 mm,

- WA63370A 330 mm, Ergo handle, monopolar
- WA63372A 330 mm, Ergo handle, monopolar, deactivatable ratchet
- WA63373A 330 mm, Ergo S handle, monopolar
- WA63374A 330 mm, Ergo S handle, monopolar, deactivatable ratchet

Components

- WA64370S Jaws insert, 250 mm working length
- WA64370A Jaws insert, 330 mm working length
- WA64370L Jaws insert, 430 mm working length
- A60800S Shaft, 250 mm working length
- A60800A Shaft, 330 mm working length
- A60800L Shaft, 430 mm working length
- A60101A Handle "Ergo", monopolar
- WA60115A Handle "Ergo", monopolar, deactivatable ratchet
- A60201A Handle "Ergo S", monopolar
- WA60205A Handle "Ergo S", monopolar, deactivatable ratchet

5 MM BIOPSY FORCEPS

Biopsy Forceps



Biopsy forceps,
with spike,
length of jaws: 14 mm,

A63610S	250 mm, Ergo handle, monopolar
A63610A	330 mm, Ergo handle, monopolar
A63610L	430 mm, Ergo handle, monopolar
A63613S	250 mm, Ergo S handle, monopolar
A63613A	330 mm, Ergo S handle, monopolar
A63613L	430 mm, Ergo S handle, monopolar

Components

A64610S	Jaws insert, 250 mm working length
A64610A	Jaws insert, 330 mm working length
A64610L	Jaws insert, 430 mm working length
A60800S	Shaft, 250 mm working length
A60800A	Shaft, 330 mm working length
A60800L	Shaft, 430 mm working length
A60101A	Handle "Ergo", monopolar
A60201A	Handle "Ergo S", monopolar

Biopsy Forceps



Biopsy forceps,
severing,
length of jaws: 12 mm,

A63620A	330 mm, Ergo handle, monopolar
A63623A	330 mm, Ergo S handle, monopolar

Components

A64620A	Jaws insert, 330 mm working length
WA64620L	Jaws insert, 430 mm working length
A60800A	Shaft, 330 mm working length
A60800L	Shaft, 430 mm working length
A60101A	Handle "Ergo", monopolar
A60201A	Handle "Ergo S", monopolar

5 MM MONOPOLAR SCISSORS

Metzenbaum Scissors

Multipurpose scissors for all laparoscopic applications



Scissors,
Metzenbaum,
length of jaws: 19 mm,

A63810S 250 mm, Ergo handle, monopolar
A63810A 330 mm, Ergo handle, monopolar
A63810L 430 mm, Ergo handle, monopolar
A63813S 250 mm, Ergo S handle, monopolar
A63813A 330 mm, Ergo S handle, monopolar
A63813L 430 mm, Ergo S handle, monopolar

Components

A64810S Jaws insert, 250 mm working length
A64810A Jaws insert, 330 mm working length
A64810L Jaws insert, 430 mm working length
A60800S Shaft, 250 mm working length
A60800A Shaft, 330 mm working length
A60800L Shaft, 430 mm working length
A60101A Handle "Ergo", monopolar
A60201A Handle "Ergo S", monopolar

Straight Scissors

Scissors,
straight,
length of jaws: 19 mm,



A63830A 330 mm, Ergo handle, monopolar
A63833A 330 mm, Ergo S handle, monopolar

Components

WA64830S Jaws insert, 250 mm working length
A64830A Jaws insert, 330 mm working length
WA64830L Jaws insert, 430 mm working length
A60800S Shaft, 250 mm working length
A60800A Shaft, 330 mm working length
A60800L Shaft, 430 mm working length
A60101A Handle "Ergo", monopolar
A60201A Handle "Ergo S", monopolar

Mini-Metzenbaum Scissors

For precise cutting
and preparation



Scissors,
Mini-Metzenbaum
length of jaws: 16 mm,

A63840A 330 mm, Ergo handle, monopolar
A63843A 330 mm, Ergo S handle, monopolar

Components

WA64840S Jaws insert, 250 mm working length
A64840A Jaws insert, 330 mm working length
WA64840L Jaws insert, 430 mm working length
A60800S Shaft, 250 mm working length
A60800A Shaft, 330 mm working length
A60800L Shaft, 430 mm working length
A60101A Handle "Ergo", monopolar
A60201A Handle "Ergo S", monopolar

Single-Use Metzenbaum Scissors

WA64850A Scissors,
Metzenbaum,
length of jaws: 17 mm,
Shaft insert,
330 mm working length,
sterile, single-use,
6 pcs.



Reusable components
A60101A Handle "Ergo", monopolar
A60201A Handle "Ergo S", monopolar

Hook Scissors

For cutting of sutures



Hook scissors,
length of jaws: 12 mm,

A63820S 250 mm, Ergo handle, monopolar
A63820A 330 mm, Ergo handle, monopolar
A63820L 430 mm, Ergo handle, monopolar
A63823S 250 mm, Ergo S handle, monopolar
A63823A 330 mm, Ergo S handle, monopolar
A63823L 430 mm, Ergo S handle, monopolar

Components

A64820S Jaws insert, 250 mm working length
A64820A Jaws insert, 330 mm working length
A64820L Jaws insert, 430 mm working length
A60800S Shaft, 250 mm working length
A60800A Shaft, 330 mm working length
A60800L Shaft, 430 mm working length
A60101A Handle "Ergo", monopolar
A60201A Handle "Ergo S", monopolar

10 MM HAND INSTRUMENTS

Claw Forceps

For recovery of e.g. gall bladder, myoma, etc.



Grasping forceps, claw type, length of jaws: 45 mm, 330 mm, Ergo handle, ratchet
A65023A 330 mm, Ergo S handle, ratchet

Components
A66020A Jaws insert, 330 mm working length
A60900A Shaft, 330 mm working length
A60100A Handle "Ergo", ratchet
A60200A Handle "Ergo S", ratchet

Babcock Forceps

For manipulation of large fragile tissue (e.g. bowel, stomach, etc.)



Grasping forceps, Babcock, length of jaws: 47 mm, 330 mm, Ergo handle, ratchet
A65050A 330 mm, Ergo S handle, ratchet

Components
A66050A Jaws insert, 330 mm working length
A60900A Shaft, 330 mm working length
A60100A Handle "Ergo", ratchet
A60200A Handle "Ergo S", ratchet

Maryland Forceps

Multipurpose curved dissection forceps for all laparoscopic applications



Dissection forceps, Maryland, length of jaws: 30 mm, 330 mm, Ergo handle, ratchet
A65310A 330 mm, Ergo S handle, ratchet

Components
A66310A Jaws insert, 330 mm working length
A60901A Shaft, 330 mm working length, tapered
A65060A 330 mm, Ergo handle, ratchet
A65063A 330 mm, Ergo S handle, ratchet

CBD Grasping Forceps

Soft-layered grasping forceps dedicated for manipulation of fragile tissue and flexible telescopes.



Grasping forceps, common bile duct (CBD), length of jaws: 16 mm, 330 mm, Ergo handle, ratchet
A65073A 330 mm, Ergo S handle, ratchet

Components
A66070A Jaws insert, 330 mm working length
A60901A Shaft, 330 mm working length, tapered
A60100A Handle "Ergo", ratchet
A60200A Handle "Ergo S", ratchet

Babcock Forceps (Atraumatic)

Widest inner lumen of all 10 mm HiQ+ hand instruments, "paddle" design for maximum grasping performance without damage of soft tissue (e.g. colon)



Grasping forceps, Babcock (atraumatic), length of jaws: 53 mm, WA65040A 330 mm, Ergo handle, ratchet
WA65043A 330 mm, Ergo S handle, ratchet

Components
WA66040A Jaws insert, 330 mm working length
A60900A Shaft, 330 mm working length
A60100A Handle "Ergo", ratchet
A60200A Handle "Ergo S", ratchet

Atraumatic Grasping Forceps

Dedicated grasping forceps for bowel and fragile tissue



Grasping forceps, wave type, atraumatic, length of jaws: 42 mm, 330 mm, Ergo handle, ratchet
A65060A 330 mm, Ergo S handle, ratchet

Components
A66060A Jaws insert, 330 mm working length
A60900A Shaft, 330 mm working length
A60100A Handle "Ergo", ratchet
A60200A Handle "Ergo S", ratchet

Short Maryland Forceps

For precise dissection and needle holder assistance



Dissection forceps, Maryland, short, length of jaws: 24 mm, 330 mm, Ergo handle, ratchet
A65320A 330 mm, Ergo S handle, ratchet

Components
A66320A Jaws insert, 330 mm working length
A60901A Shaft, 330 mm working length, tapered
A65060A 330 mm, Ergo handle, ratchet
A65063A 330 mm, Ergo S handle, ratchet

MONOPOLAR AND STANDARD SPARE PARTS

HiQ+ Handles

A60100A	Handle "Ergo", with ratchet	
A60101A	Handle "Ergo", monopolar	
A60102A	Handle "Ergo", monopolar, with ratchet	
A60103A	Handle "Ergo"	
WA60115A	Handle "Ergo", monopolar, with deactivatable ratchet	
A60200A	Handle "Ergo S", ratchet, with silicone finger ring	
A60201A	Handle "Ergo S", monopolar, with silicone finger ring	
WA60205A	Handle "Ergo S", monopolar, deactivatable ratchet, with silicone finger ring	
A60210A	Handle "Semi inline S", with ratchet, with silicone finger ring	
A60211A	Handle "Semi inline S", monopolar, with silicone finger ring	

Spare Parts

A0389	Finger ring, silicone, for HiQ+ S handles	
A03440A	Sealing cap, 2.2 mm, 10 pcs., for HiQ+ handles	
A03441A	Spare release button, 10 pcs., for HiQ+ shafts	
A03442A	Sealing ring, 20 pcs., for HiQ+ shafts	
A0358	HF cable, monopolar, 3.5 m length, for UES-40/-30, Erbe International and Valleylab (new)	
A0355	for UES-10/-20 and Valleylab (old)	
A0357	for Erbe T series, Martin, and Berchtold	

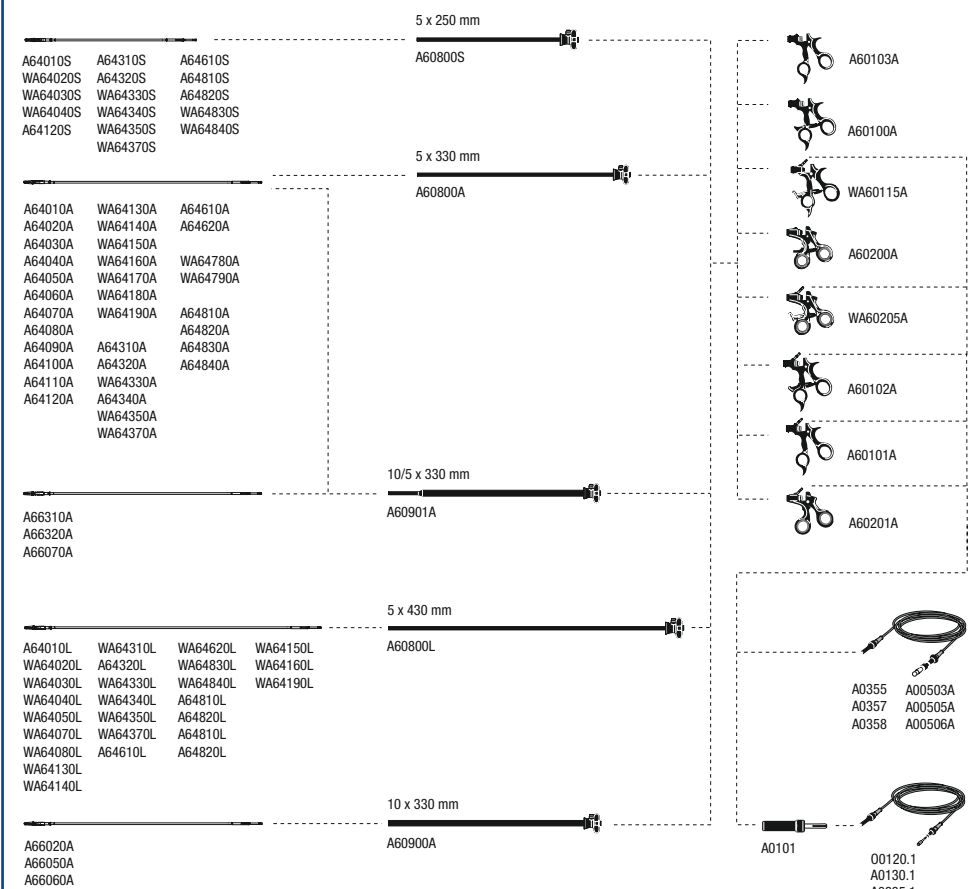
5 mm HiQ+ Shafts

A60800S	Shaft, insulated, 5 x 250 mm	
A60800A	Shaft, insulated, 5 x 330 mm	
A60800L	Shaft, insulated, 5 x 430 mm	

10 mm HiQ+ Shafts


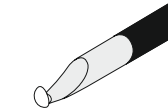
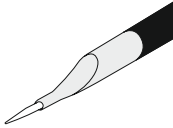
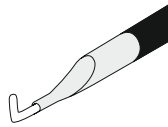




A60900A	Shaft, insulated, straight, 10 x 330 mm	
A60901A	Shaft, insulated, tapered, 10 x 330 mm	

System Chart



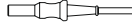


MONOPOLAR HF ELECTRODES

Monopolar HF Electrodes

A6280	HF electrode, button, 5 x 330 mm	
A6281	HF electrode, needle, 5 x 330 mm	
A6282	HF electrode, hook, 5 x 330 mm	
A6292	HF electrode, hook, with suction channel, 5 x 330 mm	
A6283 A6289	HF electrode, long hook, 5 x 330 mm 5 x 400 mm	
A6293 A6299	HF electrode, long hook, with suction channel, 5 x 330 mm 5 x 400 mm	
A6284	HF electrode, spoon, 5 x 330 mm	
A6294	HF electrode, spoon, with suction channel, 5 x 330 mm	

Accessories for Monopolar HF Electrodes

A0308	Tubing, set, 6 x 10 mm, 3 m (transparent), 6 x 10 mm, 3 m (blue)	
O0103	Adapter, Luer lock male, tube connector	
A0358 A0355 A0357	HF cable, \varnothing 4 mm, monopolar, 3.5 m length, for UES-40/-30, Erbe International and Valleylab (new) for UES-10/-20 and Valleylab (old) for Erbe T series, Martin, and Berchtold	



reddot design award
winner 2000



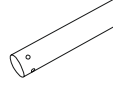

Design
Award
Winner
2001

Baden-Württemberg
International
Design Award 2004



SUCTION AND IRRIGATION

Standard Suction/Irrigation System



Suction/irrigation tube, distal holes,
 WA51111A 3.3 x 360 mm
 WA51131A 5.3 x 360 mm
 WA51131L 5.3 x 450 mm

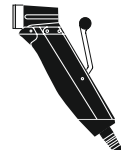
WA51132A Suction/irrigation tube, aspiration cannula, 1.5 x 360 mm

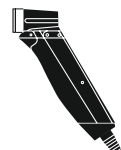
WA51138A Suction/irrigation tube, button, monopolar, 5.3 x 360 mm

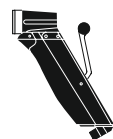
WA51172S Handle, set, with suction control lever, 5 mm suction channel, includes WA51172A and WA51181S
 To be used with pressure controlled roller pumps.




WA51173S Handle, set, without suction control lever, 5 mm suction channel includes WA51173A and WA51181S
 To be used with foot switch



Handle, spare, WA51172A with suction control lever
 WA51173A without suction control lever

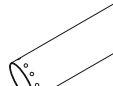



WA51181S Tubing, spare, for HiQ+ handles, 5 mm suction channel





Large Diameter Suction/Irrigation System



Suction/irrigation tube, distal holes,
 WA51151A 10 x 360 mm
 WA51151L 10 x 450 mm

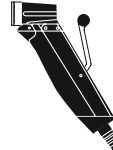
WA51152A Suction/irrigation tube, safety basket, 10 x 360 mm

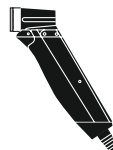
WA51153A Suction/irrigation tube, stone collector, 10 x 360 mm

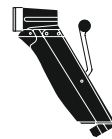
WA51172L Handle, set, with suction control lever, 8 mm suction channel includes WA51172A and WA51181L
 To be used with pressure controlled roller pumps.




WA51173L Handle, set, without suction control lever, 8 mm suction channel includes WA51173A and WA51181L
 To be used with foot switch



Handle, spare, WA51172A with suction control lever
 WA51173A without suction control lever



WA51181L Tubing, spare, for HiQ+ handles, 8 mm suction channel



Pump SurgiFlow

Pump "SurgiFlow",
 WA58910A European set
 WA58900A U.S. set



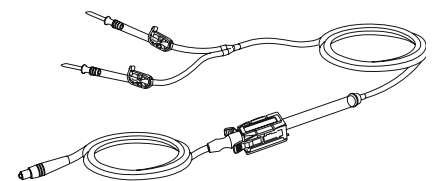
Delivery includes:
 Pump, power cable, spare fuses,
 tubing set WA58911A (only WA58910A9)

Technical Data

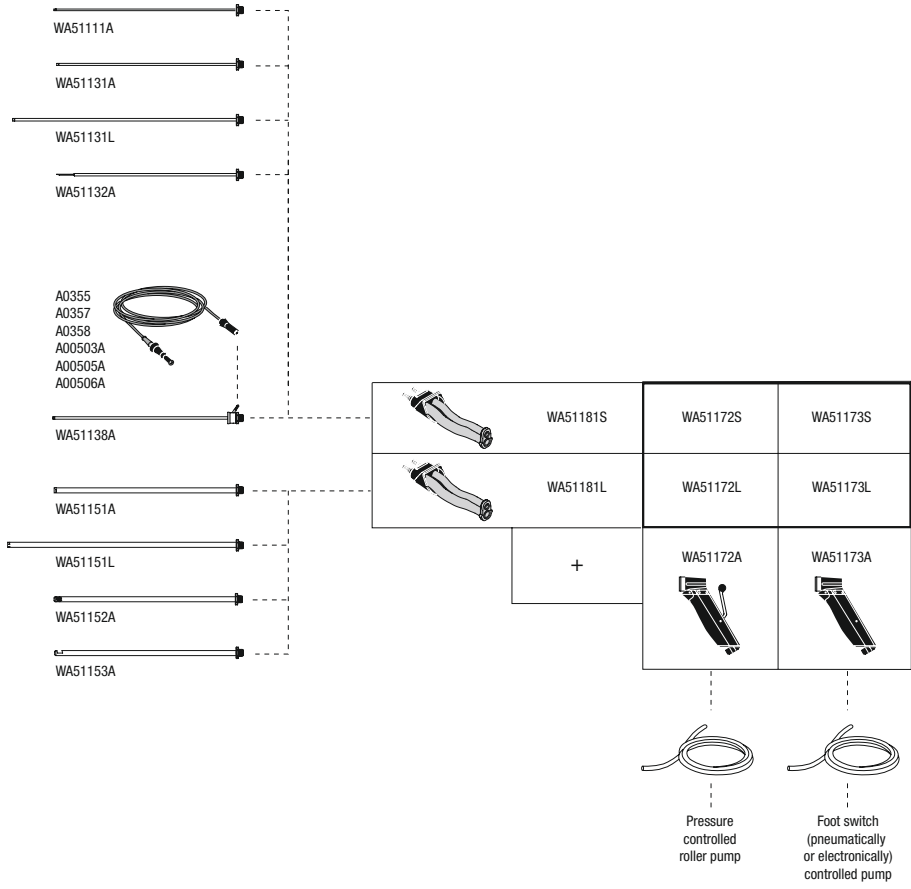
Power supply
 Voltage 100-240 V
 Frequency 50-60 Hz
 Power consumption 45 W
 Size
 Height 93 mm
 Width 300 mm
 Depth 318 mm
 Weight 5 kg
 Irrigation
 Flow rate 2500 ml/min
 Max. pressure 550 mm Hg
 Safety
 Protection class I, type BF IPX 1

Tubing

Tubing, set, for two water bags,
 WA58901A for single use, sterile, 10 pcs.
 WA58911A reusable, 1 pc.



System Chart Suction and Irrigation



KNOT PUSHERS

HiQ+ Knot Pusher

WA63790A Knot pusher "HiQ+",
5 x 330 mm,
Ergo handle,
monopolar



Components

WA64790A Jaws insert, 330 mm working length
A60800A Shaft, 330 mm working length
A60101A Handle "Ergo", monopolar

HiQ+ Roeder Knot Pusher

WA63780A Knot pusher "HiQ+",
Roeder,
5 x 330 mm,
Ergo handle,
monopolar



Components

WA64780A Jaws insert, 330 mm working length
A60800A Shaft, 330 mm working length
A60101A Handle "Ergo", monopolar

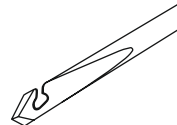
HiQ+ Roeder Knot Pusher

WA56903A Knot pusher,
5 x 330 mm

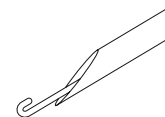


Fascial Closure

A51000A Needle,
for fascial closure,
250 mm



WA51203A Needle,
for fascial closure,
140 mm

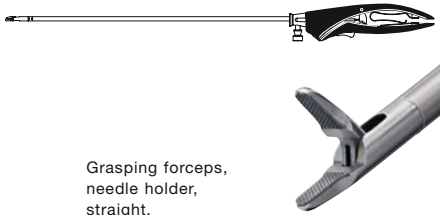


WA51205A Spare cannula,
for WA51203A



NEEDLE HOLDERS

Straight Needle Holder



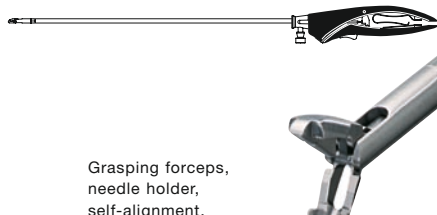
Grasping forceps,
needle holder,
straight,
5 mm,

WA63708A 330 mm, Inline A handle, ratchet
WA63708L 430 mm, Inline A handle, ratchet

Components

WA64700A Jaws insert, 330 mm, for WA63708A
WA64700L Jaws insert, 430 mm, for WA63708L
WA60120A Handle, with sheath, 330 mm, ratchet
WA60120L Handle, with sheath, 430 mm, ratchet

Self-Alignment Needle Holder



Grasping forceps,
needle holder,
self-alignment,
5 mm,

WA63728A 330 mm, Inline A handle, ratchet
WA63728L 430 mm, Inline A handle, ratchet

Components

WA64720A Jaws insert, 330 mm, for WA63728A
WA64720L Jaws insert, 430 mm, for WA63728L
WA60120A Handle, with sheath, 330 mm, ratchet
WA60120L Handle, with sheath, 430 mm, ratchet

HiQ+ Inline A Handles



WA60120A Handle,
with sheath,
330 mm,
with ratchet

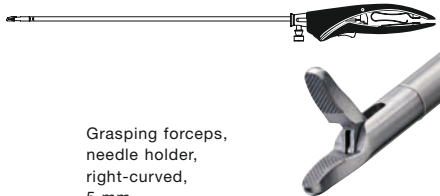


WA60120L Handle,
with sheath,
430 mm,
with ratchet

A0400 Sealing cap, blue,
for Luer-lock,
6 pcs.



Right-Curved Needle Holder



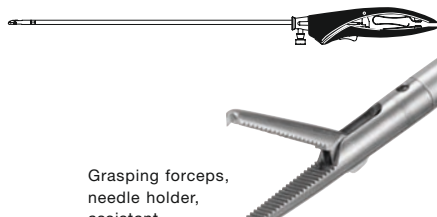
Grasping forceps,
needle holder,
right-curved,
5 mm,

WA63748A 330 mm, Inline A handle, ratchet
WA63748L 430 mm, Inline A handle, ratchet

Components

WA64740A Jaws insert, 330 mm, for WA63748A
WA64740L Jaws insert, 430 mm, for WA63748L
WA60120A Handle, with sheath, 330 mm, ratchet
WA60120L Handle, with sheath, 430 mm, ratchet

Assistant Needle Holder



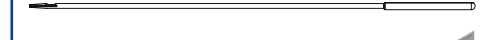
Grasping forceps,
needle holder,
assistant,
5 mm,

WA63758A 330 mm, Inline A handle, ratchet

Components

WA64750A Jaws insert, 330 mm, for WA63758A
WA60120A Handle, with sheath, 330 mm, ratchet

Standard Needle Holders



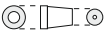
WA56900A Grasping forceps,
needle holder,
with self-alignment,
5 x 330 mm, straight



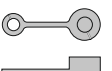
Grasping forceps,
needle holder,
A5690 5 x 330 mm, straight
A5698 5 x 330 mm, curved
WA56090L 5 x 390 mm, straight
WA56098L 5 x 390 mm, curved

A5692 Grasping forceps,
needle holder,
3 x 330 mm, straight

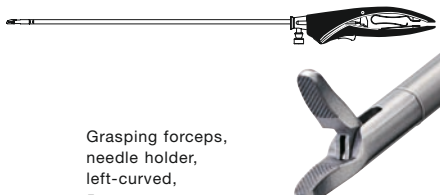
O0131 Sealing cap,
0.7 mm, 10 pcs., for A5692



A0400 Sealing cap, blue,
for Luer-lock,
6 pcs.



Left-Curved Needle Holder



Grasping forceps,
needle holder,
left-curved,
5 mm,

WA63718A 330 mm, Inline A handle, ratchet
WA63718L 430 mm, Inline A handle, ratchet

Components

WA64710A Jaws insert, 330 mm, for WA63718A
WA64710L Jaws insert, 430 mm, for WA63718L
WA60120A Handle, with sheath, 330 mm, ratchet
WA60120L Handle, with sheath, 430 mm, ratchet

Dolphin Type Needle Holder



Grasping forceps,
needle holder,
dolphin type,
5 mm,

WA63738A 330 mm, Inline A handle, ratchet
WA63738L 430 mm, Inline A handle, ratchet

Components

WA64730A Jaws insert, 330 mm, for WA63738A
WA64730L Jaws insert, 430 mm, for WA63738L
WA60120A Handle, with sheath, 330 mm, ratchet
WA60120L Handle, with sheath, 430 mm, ratchet



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