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FOLLOWS YOUR NEEDS

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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.
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.
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.

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

EXCHANGABLE JAWS INSERTS

The HiQ+ needle holder is available with three interchangeable jaws:
- Straight needle holder
- Curved needle holder
- Self-aligning 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 GRASPING FORCEPS

## Atraumatic Grasping Forceps
Grasping forceps, atraumatic, length of jaws: 16 mm, with ratchet, multi-purpose grasping forceps for all laparoscopic applications

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## Flat Grasping Forceps
Grasping forceps, atraumatic, flat, length of jaws: 19 mm, with ratchet, multi-purpose fenestrated grasping forceps for all laparoscopic applications

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## Claw Forceps
Grasping forceps, claw type, length of jaws: 28 mm, with ratchet, for recovery of e.g. gall bladder, myoma, etc.

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## Grasping Forceps with Lumen
Grasping forceps, with lumen, length of jaws: 21 mm, with ratchet, atraumatic grasping forceps for delicate tissue manipulation (e.g. bowel, tubes)

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**5 MM GRASPING FORCEPS**

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**Manhes Forceps**  
Grasping forceps, Manhes,  
length of jaws: 18 mm,  
with ratchet,  
precise fixation  
and manipulation of fragile tissue  

- with Ergo handle  
  A63050A 330 mm working length  
- with Ergo S handle  
  A63053A 330 mm working length  
- with Semi inline S handle  
  A63055A 330 mm working length  

Jaws insert, spare,  
A64050A 330 mm working length  

**Wave Type Grasping Forceps**  
Grasping forceps, wave type, atraumatic,  
length of jaws: 30 mm,  
with ratchet,  
dedicated grasping forceps for bowel and fragile tissue  

- with Ergo handle  
  A63080A 330 mm working length  
- with Ergo S handle  
  A63083A 330 mm working length  
- with Semi inline S handle  
  A63085A 330 mm working length  

Jaws insert, spare,  
A64080A 330 mm working length  

**Johann Forceps**  
Grasping forceps, Johann, fenestrated,  
length of jaws: 24 mm,  
with ratchet,  
multi-purpose grasping forceps with large jaws  
and good visibility  

- with Ergo handle  
  A63120S 250 mm working length  
  A63120A 330 mm working length  
  WA63120L 430 mm working length  
- with Ergo S handle  
  A63123S 250 mm working length  
  A63123A 330 mm working length  
  WA63123L 430 mm working length  
- with Semi inline S handle  
  A63125A 330 mm working length  
  WA63125L 430 mm working length  

**Crocodile Forceps**  
Grasping forceps,  
crocodile type,  
length of jaws: 18 mm,  
with ratchet,  
for strong and tight  
fixation of tissue (e.g. stomach,  
gall bladder)  

- with Ergo handle  
  A63070A 330 mm working length  
- with Ergo S handle  
  A63073A 330 mm working length  
- with Semi inline S handle  
  A63075A 330 mm working length  

Jaws insert, spare,  
A64070A 330 mm working length  

**Babcock Forceps**  
Grasping forceps,  
Babcock,  
length of jaws: 31 mm,  
with ratchet,  
widest inner lumen of all 5 mm HiQ+  
hand instruments, "paddle" design  
for maximum grasping performance  
without damage of tissue  
(e.g. colon)  

- with Ergo handle  
  WA63140A 330 mm working length  
- with Ergo S handle  
  WA63143A 330 mm working length  
- with Semi inline S handle  
  WA63145A 330 mm working length  

Jaws insert, spare,  
WA64140A 330 mm working length  

**Long Johann Forceps**  
Grasping forceps,  
Johann, long,  
length of jaws: 40 mm,  
with ratchet,  
longest jaws in the 5 mm line of HiQ+  
hand instruments for atraumatic  
grasping of larger organs  
(e.g. colon)  

- with Ergo handle  
  WA63130A 330 mm working length  
- with Ergo S handle  
  WA63133A 330 mm working length  
- with Semi inline S handle  
  WA63135A 330 mm working length  

Jaws insert, spare,  
WA64130A 330 mm working length  

---
**5 MM MULTIFUNCTIONAL GRASPING FORCEPS**

### Atraumatic Grasping Forceps
- Grasping forceps, atraumatic,
  length of jaws: 16 mm,
  with ratchet,
  for tubes and ovaries
- with Ergo handle
  - A63100A 330 mm working length
- with Ergo S handle
  - A63103A 330 mm working length
- with Semi inline S handle
  - A63105A 330 mm working length
- Jaws insert, spare,
  - A64100A 330 mm working length

### Atraumatic Grasping Forceps
- Grasping forceps, atraumatic,
  length of jaws: 21 mm,
  with ratchet,
  for small cysts and delicate structures
- with Ergo handle
  - A63090A 330 mm working length
- with Ergo S handle
  - A63093A 330 mm working length
- with Semi inline S handle
  - A63095A 330 mm working length
- Jaws insert, spare,
  - A64090A 330 mm working length

### Traumatic Grasping Forceps
- Grasping forceps, traumatic,
  length of jaws: 19 mm,
  with ratchet,
  for large cysts and myoma
- with Ergo handle
  - A63110A 330 mm working length
- with Ergo S handle
  - A63113A 330 mm working length
- with Semi inline S handle
  - A63115A 330 mm working length
- Jaws insert, spare,
  - A64110A 330 mm working length

### Traumatic Grasping Forceps
- Grasping forceps, traumatic,
  length of jaws: 21 mm,
  with ratchet,
  for small cysts
- with Ergo handle
  - A63060A 330 mm working length
- with Ergo S handle
  - A63063A 330 mm working length
- with Semi inline S handle
  - A63065A 330 mm working length
- Jaws insert, spare,
  - A64060A 330 mm working length
### 5 MM DISSECTION/BIOPIST FORCEPS

#### Dissection Forceps

- **Dissection forceps, straight,**
  - Length of jaws: 15 mm,
  - Monopolar,
  - For delicate dissection and needle holder assistance
- **with Ergo handle**
  - A63310S: 250 mm working length
  - A63310A: 330 mm working length
- **with Ergo S handle**
  - A63313S: 250 mm working length
  - A63313A: 330 mm working length
- **with Semi inline S handle**
  - A63315A: 330 mm working length
- **Jaws insert, spare,**
  - A64310S: 250 mm working length
  - A64310A: 330 mm working length

#### Maryland Forceps

- **Dissection forceps, Maryland,**
  - Length of jaws: 21 mm,
  - Monopolar,
  - Multipurpose curved dissection forceps for all laparoscopic applications
- **with Ergo handle**
  - A63320S: 250 mm working length
  - A63320A: 330 mm working length
  - A63320L: 430 mm working length
- **with Ergo S handle**
  - A63323S: 250 mm working length
  - A63323A: 330 mm working length
  - A63323L: 430 mm working length
- **with Semi inline S handle**
  - A63325A: 330 mm working length
- **Jaws insert, spare,**
  - A64320S: 250 mm working length
  - A64320A: 330 mm working length
  - A64320L: 430 mm working length

#### Biopsy Forceps

- **Biopsy forceps,**
  - Length of jaws: 14 mm,
  - Monopolar
- **with Ergo handle**
  - A63610S: 250 mm working length
  - A63610A: 330 mm working length
  - A63610L: 430 mm working length
- **with Ergo S handle**
  - A63613S: 250 mm working length
  - A63613A: 330 mm working length
  - A63613L: 430 mm working length
- **with Semi inline S handle**
  - A63615A: 330 mm working length
- **Jaws insert, spare,**
  - A64610S: 250 mm working length
  - A64610A: 330 mm working length
  - A64610L: 430 mm working length

#### Short Maryland Forceps

- **Dissection forceps, Maryland, short,**
  - Length of jaws: 17 mm,
  - Monopolar,
  - For precise dissection and needle holder assistance
- **with Ergo handle**
  - A63340A: 330 mm working length
- **with Ergo S handle**
  - A63343A: 330 mm working length
- **with Semi inline S handle**
  - A63345A: 330 mm working length
- **Jaws insert, spare,**
  - A64340A: 330 mm working length

#### Right Angle Dissection Forceps

- **Dissection forceps, 90° angled,**
  - Length of jaws: 18 mm,
  - Monopolar,
  - For blood vessel dissection
- **with Ergo handle**
  - WA63330A: 330 mm working length
- **with Ergo S handle**
  - WA63333A: 330 mm working length
- **with Semi inline S handle**
  - WA63335A: 330 mm working length
- **Jaws insert, spare,**
  - WA64330A: 330 mm working length

#### Biopsy Forceps

- **Biopsy forceps,**
  - Seving,
  - Length of jaws: 12 mm,
  - Monopolar
- **with Ergo handle**
  - A63620A: 330 mm working length
- **with Ergo S handle**
  - A63623A: 330 mm working length
- **with Semi inline S handle**
  - A63625A: 330 mm working length
- **Jaws insert, spare,**
  - A64620A: 330 mm working length
### 5 MM MONOPOLAR SCISSORS

#### Metzenbaum Scissors
- Scissors, Metzenbaum, length of jaws: 19 mm, monopolar, multipurpose scissors for all laparoscopic applications

<table>
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<th>A63810S</th>
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<td>Length</td>
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<tr>
<td>Handle</td>
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<tr>
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- Jaws insert, spare,
  - A64810S | 250 mm working length
  - A64810A | 330 mm working length
  - A64810L | 430 mm working length

#### Hook Scissors
- Hook scissors, length of jaws: 12 mm, monopolar, for cutting of sutures

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- Jaws insert, spare,
  - A64820S | 250 mm working length
  - A64820A | 330 mm working length
  - A64820L | 430 mm working length

#### Straight Scissors
- Scissors, straight, length of jaws: 19 mm, monopolar

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#### Mini-Metzenbaum Scissors
- Scissors, Mini-Metzenbaum, length of jaws: 16 mm, monopolar, for precise cutting and preparation

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- Jaws insert, spare,
  - A64840A | 330 mm working length

### 10 MM

#### Claw Forceps
- Grasping forceps, claw type, length of jaws: 45 mm, with ratchet, for recovery of e.g. gall bladder, myoma, etc.

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</tbody>
</table>

- Jaws insert, spare,
  - A66020A | 330 mm working length

#### CBD Grasping Forceps
- Grasping forceps, common bile duct (CBD), length of jaws: 16 mm, with ratchet, soft-layered grasping forceps dedicated for manipulation of fragile tissue and flexible telescopes

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</table>

- Jaws insert, spare,
  - A66070A | 330 mm working length
  - A66073A | 330 mm working length
  - A66075A | 330 mm working length
**HAND INSTRUMENTS**

**Babcock Forceps**

Grasping forceps, Babcock, length of jaws: 47 mm, with ratchet, for manipulation of large fragile tissue (e.g. bowel, stomach, etc.)

- **with Ergo handle**
  - A65050A 330 mm working length
- **with Ergo S handle**
  - A65053A 330 mm working length
- **with Semi inline S handle**
  - A65055A 330 mm working length
- **Jaws insert, spare**
  - A66050A 330 mm working length

**Babcock Forceps (Atraumatic)**

Grasping forceps, Babcock (atraumatic), length of jaws: 53 mm, with ratchet

- **with Ergo handle**
  - WA65040A 330 mm working length
- **with Ergo S handle**
  - WA65043A 330 mm working length
- **with Semi inline S handle**
  - WA65045A 330 mm working length
- **Jaws insert, spare**
  - WA66040A 330 mm working length

**Atraumatic Grasping Forceps**

Grasping forceps, wave type, atraumatic, length of jaws: 42 mm, with ratchet, dedicated grasping forceps for bowel and fragile tissue

- **with Ergo handle**
  - A65060A 330 mm working length
- **with Ergo S handle**
  - A65063A 330 mm working length
- **with Semi inline S handle**
  - A65065A 330 mm working length
- **Jaws insert, spare**
  - A66060A 330 mm working length

**Maryland Forceps**

Dissection forceps, Maryland, short, length of jaws: 24 mm, for precise dissection and needle holder assistance

- **with Ergo handle**
  - A65320A 330 mm working length
- **with Ergo S handle**
  - A65323A 330 mm working length
- **with Semi inline S handle**
  - A65325A 330 mm working length
- **Jaws insert, spare**
  - A66320A 330 mm working length

**Short Maryland Forceps**

Dissection forceps, Maryland, short, length of jaws: 30 mm, for precise dissection and needle holder assistance

- **with Ergo handle**
  - A65310A 330 mm working length
- **with Ergo S handle**
  - A65313A 330 mm working length
- **with Semi inline S handle**
  - A65315A 330 mm working length
- **Jaws insert, spare**
  - A66310A 330 mm working length

**Babcock Forceps**

Grasping forceps, Babcock, length of jaws: 53 mm, with ratchet

- **with Ergo handle**
  - WA65040A 330 mm working length
- **with Ergo S handle**
  - WA65043A 330 mm working length
- **with Semi inline S handle**
  - WA65045A 330 mm working length
- **Jaws insert, spare**
  - WA66040A 330 mm working length

**Atraumatic Grasping Forceps**

Grasping forceps, wave type, atraumatic, length of jaws: 42 mm, with ratchet, dedicated grasping forceps for bowel and fragile tissue

- **with Ergo handle**
  - A65060A 330 mm working length
- **with Ergo S handle**
  - A65063A 330 mm working length
- **with Semi inline S handle**
  - A65065A 330 mm working length
- **Jaws insert, spare**
  - A66060A 330 mm working length

**Maryland Forceps**

Dissection forceps, Maryland, length of jaws: 30 mm, multipurpose curved dissection forceps for all laparoscopic applications

- **with Ergo handle**
  - A65310A 330 mm working length
- **with Ergo S handle**
  - A65313A 330 mm working length
- **with Semi inline S handle**
  - A65315A 330 mm working length
- **Jaws insert, spare**
  - A66310A 330 mm working length
## HiQ+ MONOPOLAR AND STANDARD SPARE PARTS

### HiQ+ Handles
- **A60100A** Handle “Ergo”, with ratchet
- **A60101A** Handle “Ergo”, monopolar
- **A60102A** Handle “Ergo”, monopolar, with ratchet
- **A60200A** Handle “Ergo S”, with ratchet
- **A60201A** Handle “Ergo S”, monopolar
- **A60210A** Handle “Semi inline S”, with ratchet
- **A60211A** Handle “Semi inline S”, monopolar

### 5 mm 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

<table>
<thead>
<tr>
<th>5 x 250 mm</th>
<th>5 x 330 mm</th>
<th>10 x 330 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>A60800S</td>
<td>A60800A</td>
<td>A60900A</td>
</tr>
<tr>
<td>A60800S</td>
<td>A60800A</td>
<td>A60900A</td>
</tr>
<tr>
<td>A60800L</td>
<td>A60800L</td>
<td>A60900L</td>
</tr>
</tbody>
</table>

### 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 ICC International and Valleylab (new)
- **A0355** for UES-10/-20 and Valleylab (old)
- **A0357** for Martin and Benchjold

For other HF-cables, see catalog.
MONOPOLAR HF-ELECTRODES

Monopolar HF-Electrodes

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>A6280</td>
<td>HF-electrode, button</td>
<td>5 x 330 mm</td>
</tr>
<tr>
<td>A6281</td>
<td>HF-electrode, needle</td>
<td>5 x 330 mm</td>
</tr>
<tr>
<td>A6282</td>
<td>HF-electrode, hook</td>
<td>5 x 330 mm</td>
</tr>
<tr>
<td>A6282</td>
<td>HF-electrode, hook</td>
<td>5 x 330 mm</td>
</tr>
<tr>
<td></td>
<td>with suction channel</td>
<td></td>
</tr>
<tr>
<td>A6283</td>
<td>HF-electrode, long hook</td>
<td>5 x 330 mm</td>
</tr>
<tr>
<td>A6299</td>
<td>HF-electrode, long hook</td>
<td>5 x 400 mm</td>
</tr>
<tr>
<td>A6293</td>
<td>HF-electrode, long hook</td>
<td>5 x 330 mm</td>
</tr>
<tr>
<td>A6299</td>
<td>HF-electrode, long hook</td>
<td>5 x 400 mm</td>
</tr>
<tr>
<td>A6294</td>
<td>HF-electrode, spoon</td>
<td>5 x 330 mm</td>
</tr>
<tr>
<td>A6294</td>
<td>HF-electrode, spoon</td>
<td>5 x 330 mm</td>
</tr>
<tr>
<td></td>
<td>with suction channel</td>
<td></td>
</tr>
</tbody>
</table>

Accessories for Monopolar HF-Electrodes

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>A0308</td>
<td>Tubing, set</td>
<td>6 x 10 mm, 3 m</td>
</tr>
<tr>
<td>O0103</td>
<td>Adapter</td>
<td>Luer lock male</td>
</tr>
<tr>
<td></td>
<td>tube connector</td>
<td></td>
</tr>
<tr>
<td>A0358</td>
<td>HF-cable</td>
<td>monopolar, 3.5 m</td>
</tr>
<tr>
<td></td>
<td>length</td>
<td></td>
</tr>
<tr>
<td></td>
<td>for UES-40/-30, Erbe ICC International and Valleylab (new)</td>
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</tr>
<tr>
<td>A0355</td>
<td>for UES-10/-20 and Valleylab (old)</td>
<td></td>
</tr>
<tr>
<td>A0357</td>
<td>for Martin and Berchtold</td>
<td></td>
</tr>
</tbody>
</table>

For other HF-cables, see catalog.
## Suction and Irrigation

### Standard Suction/Irrigation System

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
<th>Code</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suction/irrigation tube, distal holes</td>
<td>WA51111A</td>
<td>3.3 x 360 mm</td>
<td></td>
</tr>
<tr>
<td>Suction/irrigation tube, aspiration cannula</td>
<td>WA51132A</td>
<td>1.5 x 360 mm</td>
<td></td>
</tr>
<tr>
<td>Suction/irrigation tube, button, monopolar</td>
<td>WA51138A</td>
<td>5.3 x 360 mm</td>
<td></td>
</tr>
<tr>
<td>Handle, set, with suction control lever</td>
<td>WA51172S</td>
<td>5 mm suction channel, includes WA51172A and WA51181S</td>
<td></td>
</tr>
<tr>
<td>Handle, set, without suction control lever</td>
<td>WA51173S</td>
<td>5 mm suction channel, includes WA51173A and WA51181S</td>
<td></td>
</tr>
<tr>
<td>Spare handle</td>
<td>WA51172A</td>
<td>with suction control lever</td>
<td></td>
</tr>
<tr>
<td>Spare handle</td>
<td>WA51173A</td>
<td>without suction control lever</td>
<td></td>
</tr>
<tr>
<td>Spare tubing</td>
<td>WA51181S</td>
<td>5 mm suction channel</td>
<td></td>
</tr>
</tbody>
</table>

### Large Diameter Suction/Irrigation System

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
<th>Code</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suction/irrigation tube, distal holes</td>
<td>WA51151A</td>
<td>10 x 360 mm</td>
<td></td>
</tr>
<tr>
<td>Suction/irrigation tube, safety basket</td>
<td>WA51152A</td>
<td>10 x 360 mm</td>
<td></td>
</tr>
<tr>
<td>Suction/irrigation tube, stone collector</td>
<td>WA51153A</td>
<td>10 x 360 mm</td>
<td></td>
</tr>
<tr>
<td>Handle, set, with suction control lever</td>
<td>WA51172L</td>
<td>8 mm suction channel, includes WA51172A and WA51181L</td>
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</tr>
<tr>
<td>Handle, set, without suction control lever</td>
<td>WA51173L</td>
<td>8 mm suction channel, includes WA51173A and WA51181L</td>
<td></td>
</tr>
<tr>
<td>Spare handle</td>
<td>WA51172A</td>
<td>with suction control lever</td>
<td></td>
</tr>
<tr>
<td>Spare handle</td>
<td>WA51173A</td>
<td>without suction control lever</td>
<td></td>
</tr>
<tr>
<td>Spare tubing</td>
<td>WA51181L</td>
<td>8 mm suction channel</td>
<td></td>
</tr>
</tbody>
</table>
System Chart Suction and Irrigation

WA51111A
WA51131A
WA51131L
WA51132A
WA51172
WA51172L
WA51172A
WA51173
WA51173L
WA51173A
WA51181
WA51181L
WA51181S
WA51151A
WA51151L
WA51152A
WA51153A
WA51172
WA51172L
WA51173L
WA51173A
Pressure controlled roller pump
Foot switch (pneumatically or electronically) controlled pump
NEEDLE HOLDERS, KNOT PUSHERS

**HiQ+ Needle Holder**

- WA63708A Needle holder, 5 x 330 mm, straight, with ratchet
- WA63718A Needle holder, 5 x 330 mm, curved, with ratchet
- WA63728A Needle holder, 5 x 330 mm, self-alignment, with ratchet

**Needle Holder**

- WA56900A Needle holder, with self-alignment, 5 x 330 mm, straight
- A5690 5 x 330 mm, straight
- A5698 5 x 330 mm, curved
- WA56090L 5 x 390 mm, straight
- WA56098L 5 x 390 mm, curved
- WA5692 Needle holder, 3 x 330 mm, straight

**Fascial Closure Needle**

- A51000A Needle, for fascial closure, 250 mm

**Knot Pusher**

- WA63700A Knot pusher “HiQ+”, 5 x 330 mm working length, with Ergo handle
- A56903A Knot pusher, 5 x 330 mm

**Spare parts**

- WA64700A Jaws insert, 330 mm, for WA63708A
- WA64710A Jaws insert, 330 mm, for WA63718A
- WA64720A Jaws insert, 330 mm, for WA63728A
- WA60120A Handle, with sheath, 330 mm, with ratchet
- A0400 Sealing cap, Luer lock blue, 6 pcs.
- O0131 Sealing cap, 0.7 mm, 10 pcs., for A5692

**Sealing cap**

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