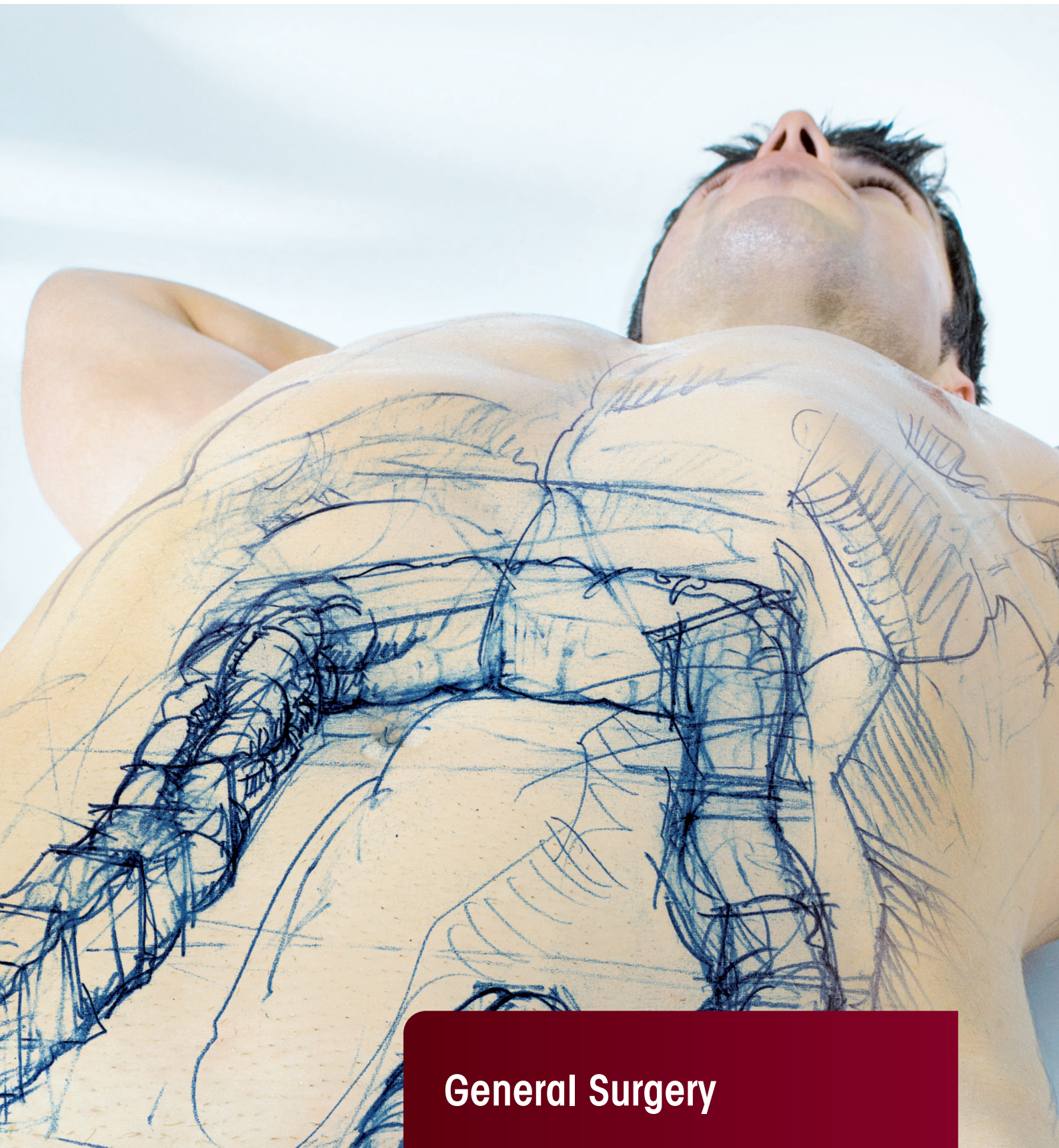


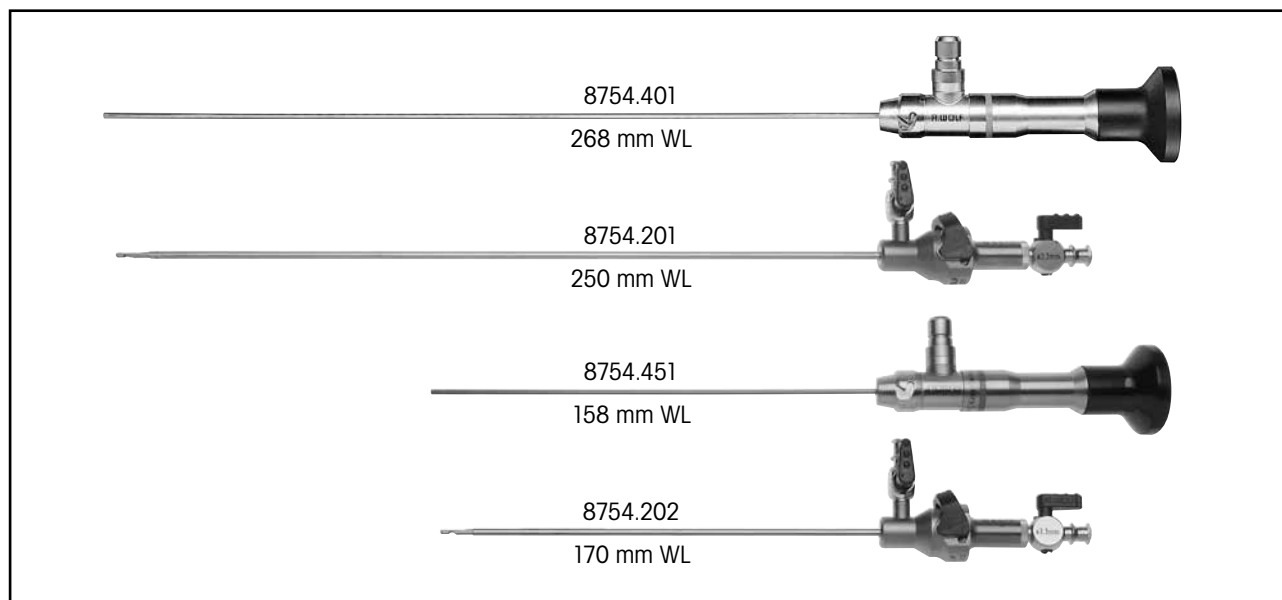


**General Surgery**

|          |                                                                |
|----------|----------------------------------------------------------------|
| <b>1</b> | <b><i>Laparoscopes</i></b>                                     |
| <b>2</b> | <b><i>Insufflation</i></b>                                     |
| <b>3</b> | <b><i>Trocars</i></b>                                          |
| <b>4</b> | <b><i>Laparoscopic Instruments</i></b><br><b><i>ERAGON</i></b> |
| <b>5</b> | <b><i>Accessories</i></b>                                      |
| <b>6</b> | <b><i>TEM (Transanal Endoscopic Microsurgery)</i></b>          |

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## Mini Fiber Telescopes 2 mm



### WL 268 mm standard version

#### Mini fiber telescope,

Ø 2 mm, 0° ..... **8754.401**

**Veres needle** (8754.211), Ø 2.3 mm with outer sheath (8754.221) ..... **8754.201**

### WL 158 mm standard version

#### Mini fiber telescope,

Ø 2 mm, 0° ..... **8754.451**

**Veres needle** (8754.212), Ø 2.3 mm with outer sheath (8754.222) ..... **8754.202**

#### Recommended light cable:

**Fiber Light Cable Bundle**, Ø 2.5 mm, 3 m long ..... **806625301**

#### consisting of:

Fiber light cable (80662530), adapter projector side (8095.07) and adapter endoscope side (809509)

(for maximum light transmission)

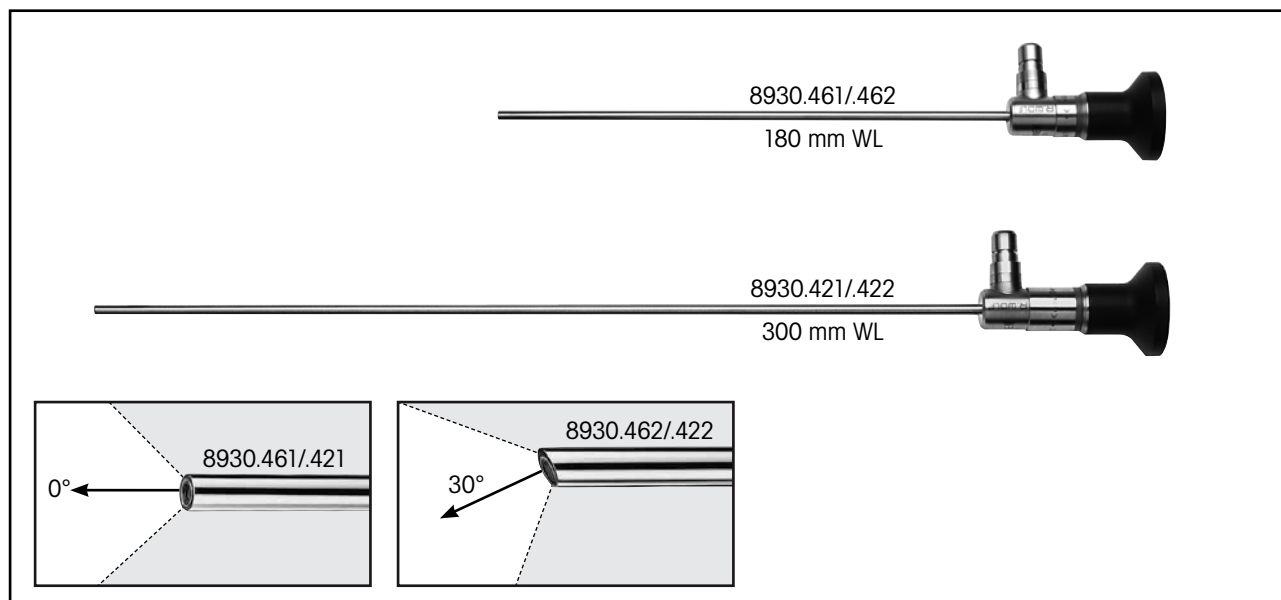
#### Accessories:

**Scope Protector** (for telescope 8754.401 and 8745.451)

WL 320 mm, 5 per pk ..... **85709325**

**Single Scope Tray with bracket** (for telescope 8754.451 and 8754.401) ..... **8570.012**

## Laparoscopes 3.5 mm



### WL 180 mm

**PANOVIEW PLUS** telescope, Ø 3.5 mm,

|           |                 |
|-----------|-----------------|
| 0° .....  | <b>8930.461</b> |
| 30° ..... | <b>8930.462</b> |

### WL 300 mm

**PANOVIEW PLUS** telescope, Ø 3.5 mm,

|           |                 |
|-----------|-----------------|
| 0° .....  | <b>8930.421</b> |
| 30° ..... | <b>8930.422</b> |

Recommended light cable:

**Fiber Light Cable Bundle**, Ø 2.5 mm, 3 m long ..... **806625301**

consisting of:

Fiber light cable (80662530), adapter projector side (8095.07) and adapter endoscope side (809509)  
(for maximum light transmission)

Accessories:

**Scope Protector** (for telescope 8930.461 and 8930.462)

WL 200 mm ..... **8570.9205**

**Scope Protector** (for telescope 8930.421 and 8930.422)

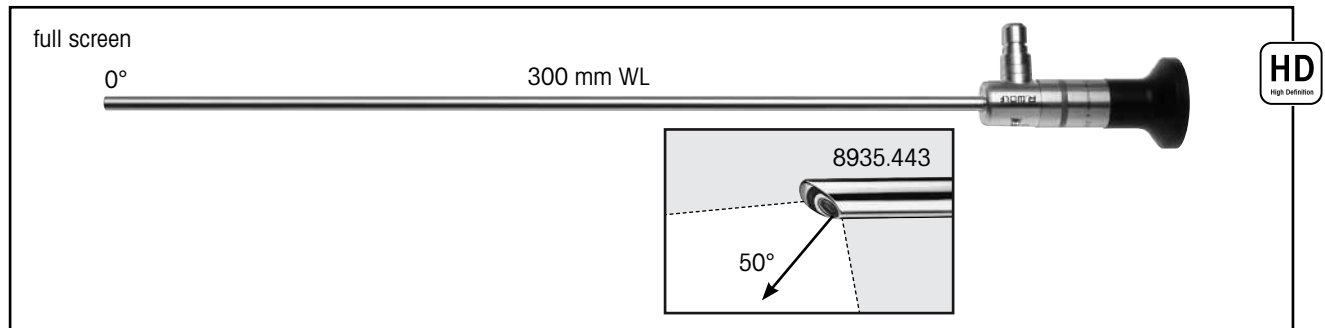
WL 320 mm ..... **8570.9325**

**Single Scope Tray with bracket** (for telescope 8930.461 and 8930.462) ..... **8570.012**

**Dual Scope Tray with bracket** (for telescope 8930.421 and 8930.422) ..... **8570.005**

## Laparoscopes 5.3 mm

distortion-free



**PANOVIEW telescope**, Ø 5.3 mm, distortion-free, full screen

50° ..... **8935.443**

Recommended light cable:

**Fiber Light Cable Bundle**, Ø 3.5 mm, 3 m long ..... **806635301**

consisting of: Fiber light cable (80663530), adapter projector side (8095.07) and adapter endoscope side (809509)  
(for maximum light transmission)

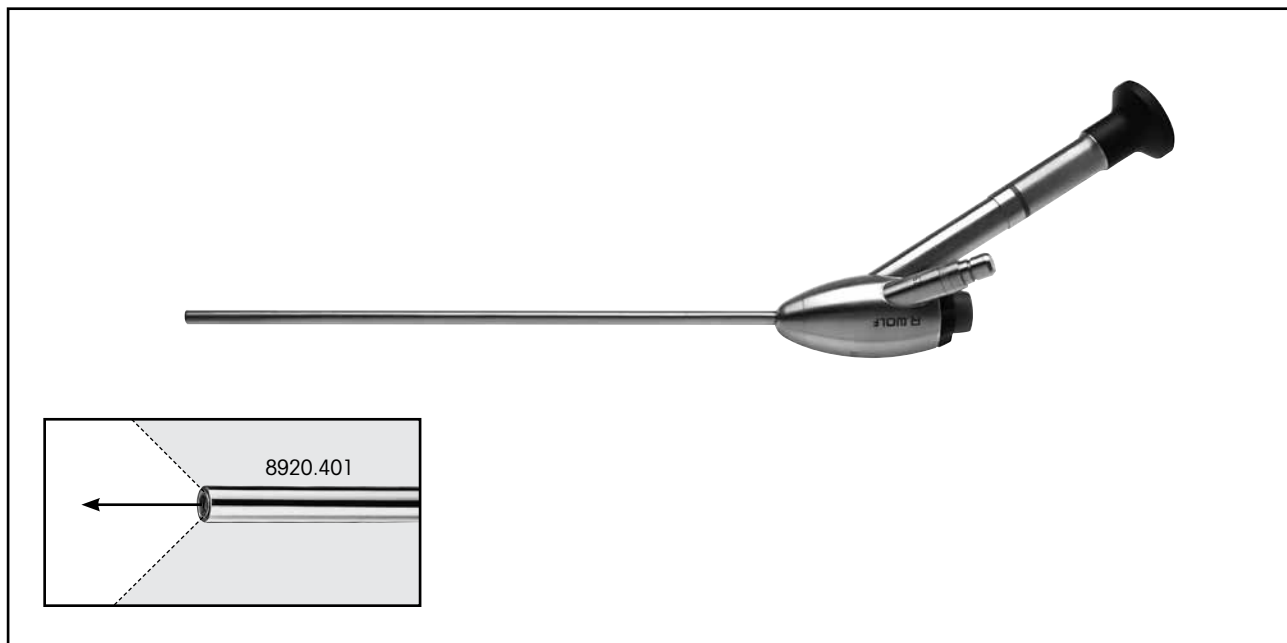
Accessories:

**Scope Protector** (for telescope 8935.443)

WL 320 mm, 5 per pk ..... **8570.9325**

**Single Scope Tray with bracket** (for telescope 8935.443) ..... **8570.017**

## Mini-Operating-Laparoscope 5.5 mm with 3.5 mm Working Channel



**OP Endoscope bundle**, Ø 5.5 mm, SL 215 mm

consisting of:

OP endoscope with 3.5 mm working channel, silicate image guide (8920.401), sealing element (8920.311), sealing cap (89.01), sealing membrane (89.103)

0° ..... 89204015

**Spare membrane valves**, yellow, PACK=10 PCS ..... 89.103

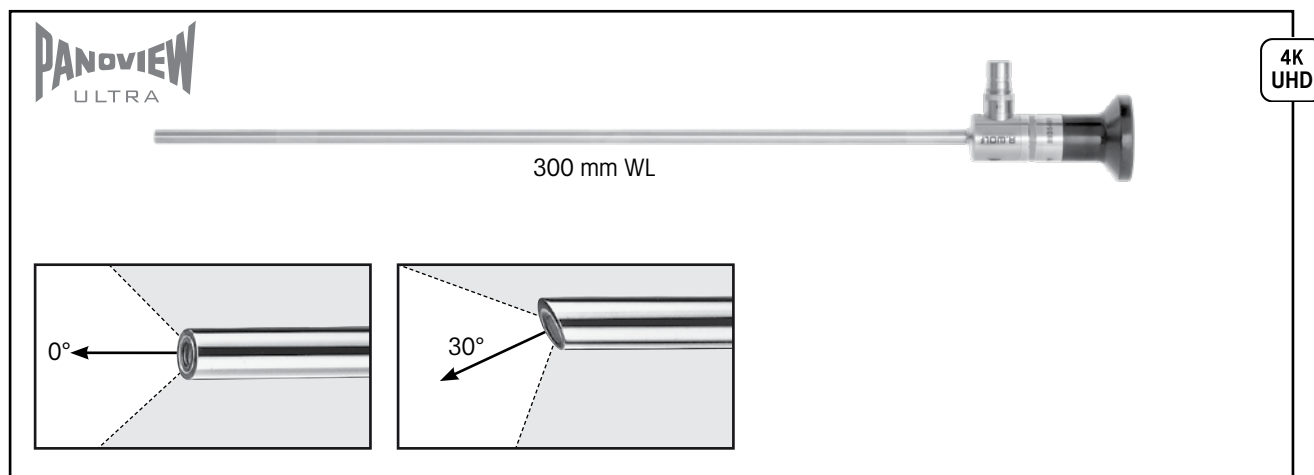
Recommended light cable:

**Fiber light cable set** Ø 2.5 mm, 3 m long consisting of:

Fiber light cable (80662530), adapter projector side (8095.07) and adapter endoscope side (809509) ..... 806625301  
(for maximum light transmission)

The trocar sleeves 8919.333 / .353 with optimised working length are recommended.

## Telescopes 5.5 mm optimized for 4K UHD



**PANOVIEW ULTRA telescope, Ø 5.5 mm,**

distortion-free, full screen

0° ..... **8935461**

30° ..... **8935462**

**Fusion Fiber Light Cable Bundle, Ø 5.0 mm, 3 m long** ..... **806550301**

consisting of:

Fiber light cable (80655030), adapter projector side (8095.07) and adapter endoscope side (809509)

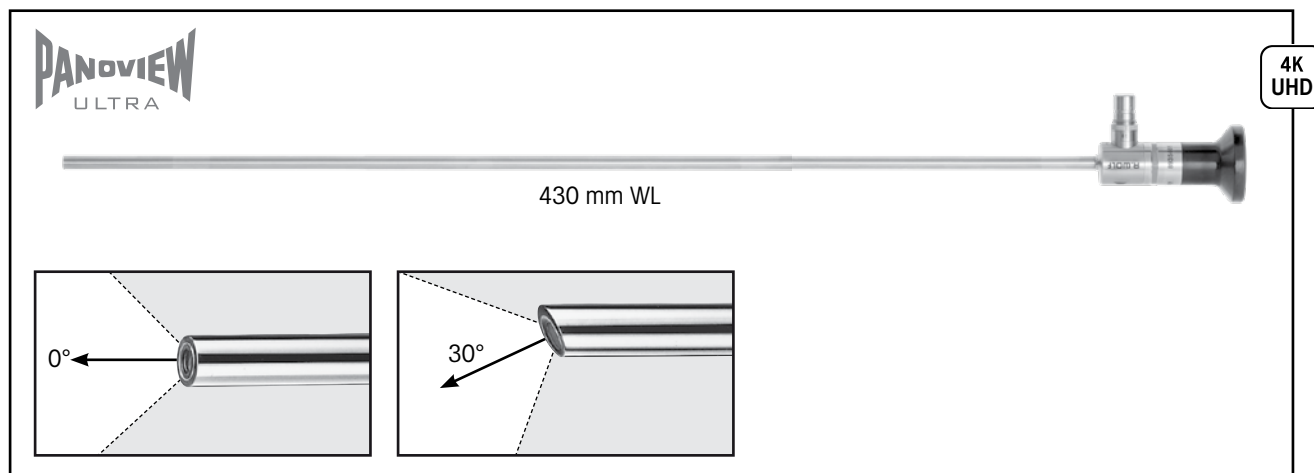
(for maximum light transmission)

Accessories:

**Single scope tray** ..... **8570.017**

**Double scope tray** ..... **8570.005**

# Telescopes 5.5 mm optimized for 4K UHD bariatric length



**PANOVIEW ULTRA** telescope, Ø 5.5 mm,

distortion-free, full screen

0° ..... **89354416**

30° ..... **89354426**

Recommended light cable:

**Fusion Fiber Light Cable Bundle**, Ø 5.0 mm, 3 m long ..... **806550301**

consisting of:

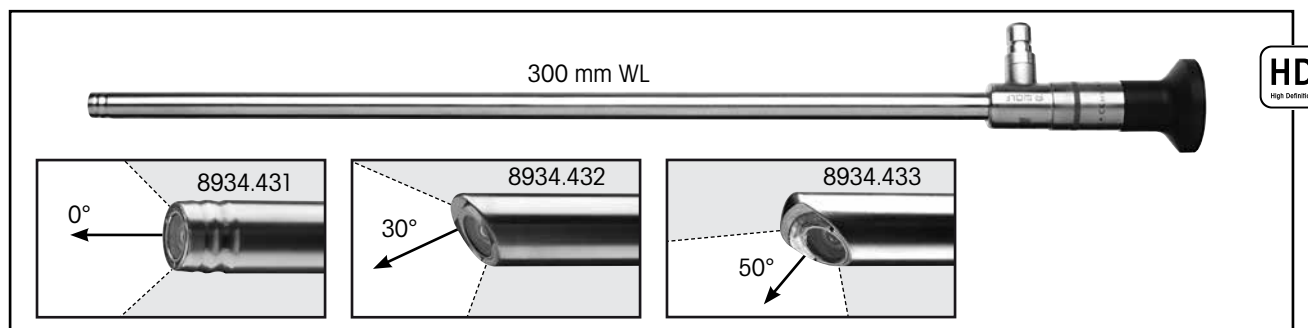
Fiber light cable (80655030), adapter projector side (8095.07) and adapter endoscope side (809509)

(for maximum light transmission)

Accessories:

**Long endoscope tray, plastic** ..... **8570.019**

## Laparoscopes 10 mm, distortion-free



### PANOVIEW telescope, Ø 10 mm, distortion-free

|           |          |
|-----------|----------|
| 0° .....  | 8934.431 |
| 30° ..... | 8934.432 |
| 50° ..... | 8934.433 |

Recommended light cable:

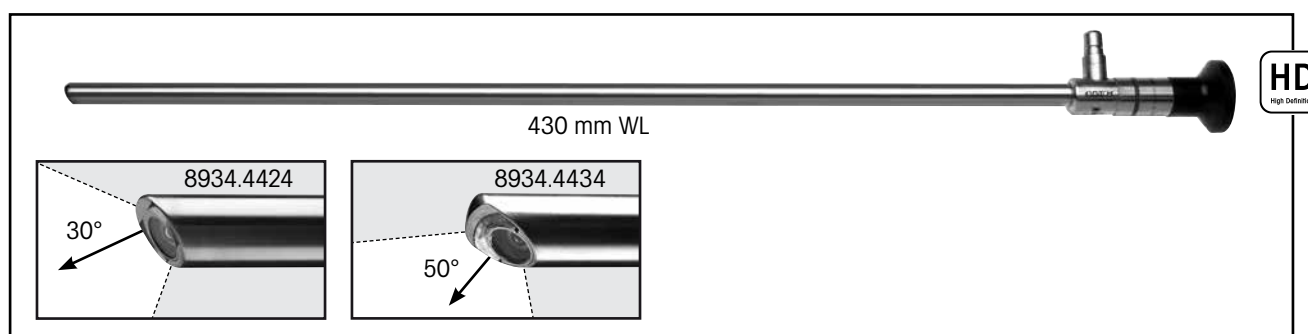
**Fusion Fiber Light Cable Bundle**, Ø 5.0 mm, 3 m long ..... 806550301

consisting of: Fiber light cable (80655030), adapter projector side (8095.07) and  
adapter endoscope side (809509) (for maximum light transmission)

**Single scope tray with brackets** ..... 8570.017

**Double scope tray with brackets** ..... 8570.010

## Laparoscopes 10 mm, bariatric length



### PANOVIEW telescope, Ø 10 mm

|           |           |
|-----------|-----------|
| 30° ..... | 8934.4424 |
| 50° ..... | 8934.4434 |

Recommended light cable:

**Fusion Fiber Light Cable Bundle**, Ø 5.0 mm, 3 m long ..... 806550301

consisting of: Fiber light cable (80655030), adapter projector side (8095.07) and  
adapter endoscope side (809509) (for maximum light transmission)

Accessories:

**Double scope tray with brackets** ..... 8570.019

# INSUFFLATOR

## Highflow 45 BASIC



INSUFFLATION

- ☐ 6.5" Color display
- ☐ Touchscreen
- ☐ Max. flow rate 45 l / min
- ☐ Functional and user-friendly design
- ☐ Optional configurable software modules

**INSUFFLATOR Highflow 45 BASIC Bundle** ..... **223560155**

consisting of:

INSUFFLATOR Highflow 45 Basic (2235601), power cord (N710171), CO<sub>2</sub> pressure tube (74021.029), pressure reducer CO<sub>2</sub> (74007.055), hose assembly (RWM-284)

Necessary accessories:

**CO<sub>2</sub> pressure tube**, length 1.5 m ..... **74021.029**  
with

**Pressure reducer CO<sub>2</sub>**

DIN EN ISO 407 ..... **74007.055**

Optional accessories:

**Insufflation tube**, disposable with integrated hygiene filter, pack of 10, in individual sterile packs ..... **4170.501**

**Hygiene filter**, sterile pack of 10 ..... **4171.111**

**Hose assembly**, (for CO<sub>2</sub> wall source) ..... **RWM-284**

## INSUFFLATOR Highflow 45 EVAC



INSUFFLATION

- ☐ 6.5" Color display
- ☐ Touchscreen
- ☐ Max. flow rate 45 l / min
- ☐ Functional and user-friendly design
- ☐ Optional configurable software modules
- ☐ Smoke gas evacuation

### **INSUFFLATOR Highflow 45 EVAC Bundle ..... 223561155**

consisting of:

INSUFFLATOR Highflow 45 EVAC (2235611), power cable (N710171), CO<sub>2</sub> pressure tube (74021.029), pressure reducer CO<sub>2</sub> (74007.055), hose assembly (RWM-284)

Necessary accessories:

**CO<sub>2</sub> pressure tube**, length 1.5 m ..... **74021.029**

with

**Pressure reducer CO<sub>2</sub>**

DIN EN ISO 407 ..... **74007.055**

**Disposable tube set** for smoke gas evacuation, sterile (pack of 10) ..... **4170503**

Optional accessories:

**Insufflation tube**, disposable with integrated hygiene filter, pack of 10, in individual sterile packs ..... **4170.501**

**Hygiene filter**, sterile pack of 10 ..... **4171.111**

**Hose assembly**, (for CO<sub>2</sub> wall source) ..... **RWM-284**

**Smoke evacuation filter**, (sterile, pack of 10) ..... **4170504**

(For direct connection to trocar, as an alternative to active smoke evacuation)

# INSUFFLATOR

## Highflow 45 EVAC

### Technical data

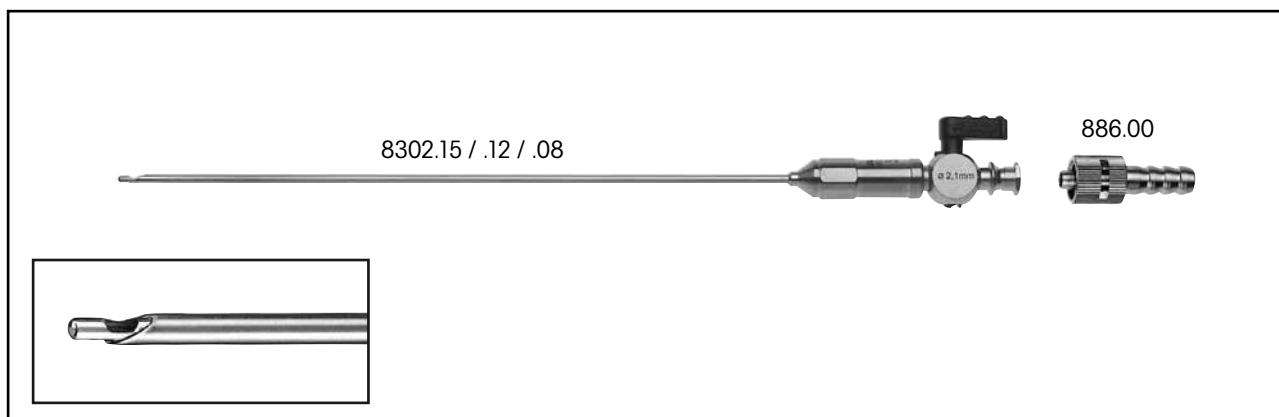
|                                                                                                  |                                                                                                                                    |
|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Protection class complying with IEC / EN 60601-1;<br>(UL 60601-1 / CSA C22.2 No.601.1 - for USA) | 1                                                                                                                                  |
| Electromagnetic compatibility (EMC)                                                              | according to EN 60601-1-2                                                                                                          |
| Medical Device Directive 93/42/EEC                                                               | Class IIb                                                                                                                          |
| Protection against electric shock                                                                | Application part of Type CF                                                                                                        |
| Degree of protection against penetration of liquids                                              | IP 20 (not protected)                                                                                                              |
| Duty cycle                                                                                       | Continuous operation                                                                                                               |
| Degree of protection when flammable mixtures are present                                         | This device is not protected against explosions<br>(Do not operate this device in areas where explosive<br>substances are present) |
| Weight                                                                                           | 8.9 kg (19.5 lbs)                                                                                                                  |
| Dimensions (W x H x D)                                                                           | 300 mm x 160 mm x 455 mm                                                                                                           |
| Voltage                                                                                          | 100 - 240 V~ / a.c.                                                                                                                |
| Frequency                                                                                        | 50 / 60 Hz                                                                                                                         |
| Power consumption                                                                                | 60 VA                                                                                                                              |
| Fuse                                                                                             | T 3.15 H                                                                                                                           |
| Power rating                                                                                     | 0.6 - 0.2 A                                                                                                                        |

### Relevant application parameters:

|                                                 |                                                                              |
|-------------------------------------------------|------------------------------------------------------------------------------|
| Insufflation medium                             | med. CO <sub>2</sub> (purity > 99.5 %)                                       |
| Intra-abdominal pressure                        | 3 mmHg to 25 mmHg, (± 2 mmHg)                                                |
| Gas flow rate: - primary filling<br>- high flow | 1 l/min.<br>2 l/min. to 45 l/min. (± 20 %)<br>preselectable in 1 l/min steps |
| Consumption display                             | 0 l to 9999 l (± 20 %)                                                       |

## Veres Cannulas

for establishing the pneumoperitoneum



### Veres cannula

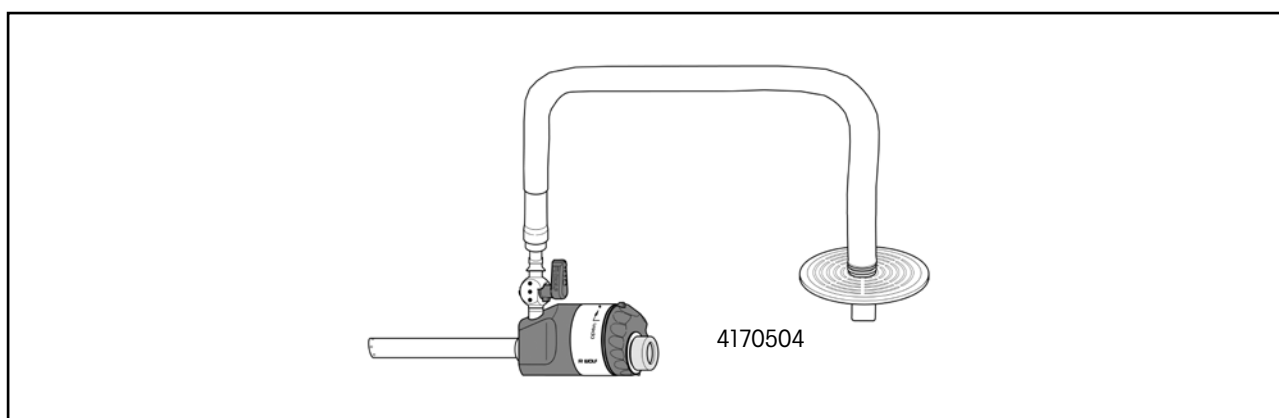
|                                               |         |
|-----------------------------------------------|---------|
| 150 mm working length .....                   | 8302.15 |
| 120 mm working length (standard length) ..... | 8302.12 |
| 80 mm working length .....                    | 8302.08 |

also:

|                             |        |
|-----------------------------|--------|
| <b>Luer connector</b> ..... | 886.00 |
|-----------------------------|--------|

## Smoke-Evacuation Filter

for smoke gas discharge



Optional accessories:

|                                                                                                              |         |
|--------------------------------------------------------------------------------------------------------------|---------|
| <b>Smoke-evacuation filter</b> , sterile, single use article, pack of 10, sterile, individually packed ..... | 4170504 |
|--------------------------------------------------------------------------------------------------------------|---------|

(For direct connection to trocar, as an alternative to active smoke evacuation)

## Trocar Sleeves 2 mm

| Trocar sleeve with insufflation connector                                                                                        |        |          |                 | Trocar,<br>pyramidal tip                                                            |
|----------------------------------------------------------------------------------------------------------------------------------|--------|----------|-----------------|-------------------------------------------------------------------------------------|
|                                                 |        |          |                 |  |
|                                                                                                                                  | WL     | Capacity | Types           |                                                                                     |
| Metal sleeve, standard,<br>straight distal tip  | 100 mm | 2 mm     | <b>8309.014</b> | <b>8309.123</b>                                                                     |

| Trocar sleeve                                                                                                                                       |       |          |                 | Trocar,<br>pyramidal tip                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------|-----------------|--------------------------------------------------------------------------------------|
|                                                                   |       |          |                 |  |
|                                                                                                                                                     | WL    | Capacity | Types           |                                                                                      |
| Plastic sleeve with<br>retaining thread,<br>straight distal tip  | 60 mm | 2 mm     | <b>8309.072</b> | <b>8309.121</b>                                                                      |

**Spare sealing caps, pack of 10** ..... **88.01**

## Trocar Sleeves 3.5 mm

| RWO-ART trocar sleeves with magnetic-ball-valve with insufflation tap<br> |        |          |                 | <b>Trocar, blunt conical tip</b><br> | <b>Trocar, pyramidal tip</b><br> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|----------|-----------------|-------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                            | WL     | Capacity | Types           |                                                                                                                         |                                                                                                                     |
| Metal sleeve, standard, straight distal tip<br>                           | 100 mm | 3.5 mm   | <b>8903.014</b> | <b>8903.103</b>                                                                                                         | <b>8903.123</b>                                                                                                     |
| Plastic sleeve with retaining thread, straight distal tip<br>             | 60 mm  | 3.5 mm   | <b>8903.072</b> | <b>8903.101</b>                                                                                                         | <b>8903.121</b>                                                                                                     |
|                                                                                                                                                            | 100 mm | 3.5 mm   | <b>8903.034</b> | <b>8903.103</b>                                                                                                         | <b>8903.123</b>                                                                                                     |

**Spare ball**, 1 piece, capacity Ø 3.5 mm - 5.5 mm ..... **8921.901**  
**Spare o-rings**, pack of 10, capacity Ø 3.5 mm - 5.5 mm ..... **8921.951**  
**Spare sealing caps**, pack of 10, capacity 3.5 mm, red ..... **89.01**  
**Spare plug**, pack of 5 ..... **896.0002**

## Trocar Sleeves 5.5 mm

|                                                                                                                                                             |        |          |                 |                                                                                                                                 |                                                                                                                       |                                                                                                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|----------|-----------------|---------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| RIWO-ART trocar sleeves with magnetic-ball-valve with insufflation tap<br> |        |          |                 | <b>Trocar,<br/>blunt<br/>conical tip</b><br> | <b>Trocar,<br/>conical tip</b><br> | <b>Trocar,<br/>pyramidal<br/>tip</b><br> |
|                                                                                                                                                             | WL     | Capacity | Types           |                                                                                                                                 |                                                                                                                       |                                                                                                                             |
| Metal sleeve, standard,<br>straight distal tip<br>                         | 100 mm | 5.5 mm   | <b>8921.014</b> | <b>8921.103</b>                                                                                                                 | <b>8921.113</b>                                                                                                       | <b>8921.123</b>                                                                                                             |
|                                                                                                                                                             | 150 mm | 5.5 mm   | <b>8921.016</b> | <b>8921.105</b>                                                                                                                 | <b>8921.115</b>                                                                                                       | <b>8921.125</b>                                                                                                             |
| Metal sleeve, standard,<br>oblique distal tip<br>                         | 100 mm | 5.5 mm   | <b>8921.013</b> | <b>8921.103</b>                                                                                                                 | <b>8921.113</b>                                                                                                       | <b>8921.123</b>                                                                                                             |
| Metal with retaining<br>thread, straight<br>distal tip<br>               | 100 mm | 5.5 mm   | <b>8921.024</b> | <b>8921.103</b>                                                                                                                 | <b>8921.113</b>                                                                                                       | <b>8921.123</b>                                                                                                             |
|                                                                                                                                                             | 150 mm | 5.5 mm   | <b>8921.026</b> | <b>8921.105</b>                                                                                                                 | <b>8921.115</b>                                                                                                       | <b>8921.125</b>                                                                                                             |
| Metal sleeve with<br>retaining thread,<br>oblique distal tip<br>         | 100 mm | 5.5 mm   | <b>8921.023</b> | <b>8921.103</b>                                                                                                                 | <b>8921.113</b>                                                                                                       | <b>8921.123</b>                                                                                                             |
| Plastic sleeve with<br>retaining thread,<br>straight distal tip<br>      | 100 mm | 5.5 mm   | <b>8921.034</b> | <b>8921.103</b>                                                                                                                 | <b>8921.113</b>                                                                                                       | <b>8921.123</b>                                                                                                             |

**Spare ball**, 1 piece, capacity Ø 3.5 mm - 5.5 mm ..... **8921.901**

**Spare o-rings**, pack of 10, capacity Ø 3.5 mm - 5.5 mm ..... **8921.951**

**Spare sealing caps**, pack of 10, capacity 5.5 mm, blue ..... **89.02**

**Spare plug**, pack of 5 ..... **896.0002**

## Trocar Sleeves 5.5 mm

| RIWO-ART trocar sleeves with magnetic-ball-valve                                                                                           |       |          |                 | Trocar,<br>blunt<br>conical tip                                                     | Trocar,<br>conical tip                                                              | Trocar,<br>pyramidal<br>tip                                                         |
|--------------------------------------------------------------------------------------------------------------------------------------------|-------|----------|-----------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                                           |       |          |                 |  |  |  |
|                                                                                                                                            | WL    | Capacity | Types           |                                                                                     |                                                                                     |                                                                                     |
| Metal sleeve, standard,<br>straight distal tip            | 60 mm | 5.5 mm   | <b>8921.052</b> | <b>8921.101</b>                                                                     | <b>8921.111</b>                                                                     | <b>8921.121</b>                                                                     |
| Metal sleeve, standard,<br>oblique distal tip             | 60 mm | 5.5 mm   | <b>8921.051</b> | <b>8921.101</b>                                                                     | <b>8921.111</b>                                                                     | <b>8921.121</b>                                                                     |
| Metal with retaining<br>thread, straight<br>distal tip  | 60 mm | 5.5 mm   | <b>8921.062</b> | <b>8921.101</b>                                                                     | <b>8921.111</b>                                                                     | <b>8921.121</b>                                                                     |

**Spare ball**, 1 piece, capacity Ø 3.5 mm - 5.5 mm ..... **8921.901**

**Spare o-rings**, pack of 10, capacity Ø 3.5 mm - 5.5 mm ..... **8921.951**

**Spare sealing caps**, pack of 10, capacity 5.5 mm, blue ..... **89.02**

## Flexible Trocar Sleeves 5.5 mm

for curved instruments

|                                    |        |          |                 | <b>Trocar,<br/>pyramidal tip</b><br> | <b>Trocar,<br/>ball shaped</b><br> |
|---------------------------------------------------------------------------------------------------------------------|--------|----------|-----------------|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
|                                                                                                                     | WL     | Capacity | Types           |                                                                                                                         |                                                                                                                       |
| <b>Plastic sheath with retaining thread,<br/>straight distal tip, incl. membrane<br/>valves 89.103 (pack of 10)</b> | 62 mm  | 5.8 mm   | <b>8905.331</b> |                                                                                                                         | <b>8905.3315</b>                                                                                                      |
|                                                                                                                     | 102 mm | 5.8 mm   | <b>8905.351</b> | <b>8905.3513</b>                                                                                                        | <b>8905.3515</b>                                                                                                      |

**Membrane valves, yellow, pack of 10** ..... **89.103**

## Trocar Sleeves 5.5 mm

plastic with membrane seal

|                                                                                                      |        |          |               |          |                                                                                       |                                                                                       |                                                                                       |
|------------------------------------------------------------------------------------------------------|--------|----------|---------------|----------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                   |        |          |               |          |  |  |  |
|                                                                                                      | WL     | Capacity | with stopcock | Types    |                                                                                       |                                                                                       |                                                                                       |
| Plastic sheath with retaining thread, straight distal tip, incl. membrane valves 89.103 (pack of 10) | 65 mm  | 5.5 mm   | ●             | 8919.333 | 8919.3311                                                                             | 8919.3312                                                                             | 8919.3313                                                                             |
|                                                                                                      |        | 5.5 mm   |               | 8919.331 |                                                                                       |                                                                                       |                                                                                       |
|                                                                                                      | 105 mm | 5.5 mm   | ●             | 8919.353 | 8919.3511                                                                             | 8919.3512                                                                             | 8919.3513                                                                             |
|                                                                                                      |        | 5.5 mm   |               | 8919.351 |                                                                                       |                                                                                       |                                                                                       |

**Membrane valves, yellow, pack of 10** ..... **89.103**

**Spare plug, pack of 5** ..... **896.0002**

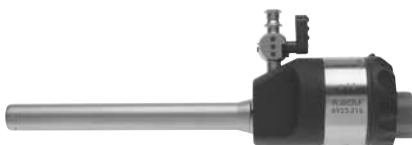
Trocar Sleeve 5.5 mm

|                                                                                                      |       |          |          |                                                                                     |
|------------------------------------------------------------------------------------------------------|-------|----------|----------|-------------------------------------------------------------------------------------|
| Flexible trocar sleeve, plastic                                                                      |       |          |          | Trocar, blunt conical tip                                                           |
|                     |       |          |          |  |
|                                                                                                      | WL    | Capacity | Types    |                                                                                     |
| Oblique distal tip  | 75 mm | 5.5 mm   | 8906.051 | 8906.151                                                                            |

TROCARS

# Trocar Sleeves 10 mm

with insufflation tap

|                                                                                                                                                     |        |          |                 |                                                                                                                        |                                                                                                               |                                                                                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|--------|----------|-----------------|------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| RIWO-ART trocar sleeves with magnetic-ball-valve<br>               |        |          |                 | Trocar,<br>blunt<br>conical tip<br> | Trocar,<br>conical tip<br> | Trocar,<br>pyramidal<br>tip<br> |
|                                                                                                                                                     | WL     | Capacity | Types           |                                                                                                                        |                                                                                                               |                                                                                                                    |
| Metal sleeve,<br>standard, straight<br>distal tip<br>              | 100 mm | 10 mm    | <b>8923.014</b> | <b>8923.103</b>                                                                                                        | <b>8923.113</b>                                                                                               | <b>8923.123</b>                                                                                                    |
|                                                                                                                                                     | 150 mm | 10 mm    | <b>8923.016</b> | -                                                                                                                      | <b>8923.115</b>                                                                                               | <b>8923.125</b>                                                                                                    |
| Metal sleeve,<br>standard, oblique<br>distal tip<br>              | 100 mm | 10 mm    | <b>8923.013</b> | <b>8923.103</b>                                                                                                        | <b>8923.113</b>                                                                                               | <b>8923.123</b>                                                                                                    |
| Metal with<br>retaining thread,<br>straight distal tip<br>       | 100 mm | 10 mm    | <b>8923.024</b> | <b>8923.103</b>                                                                                                        | <b>8923.113</b>                                                                                               | <b>8923.123</b>                                                                                                    |
|                                                                                                                                                     | 150 mm | 10 mm    | <b>8923.026</b> | -                                                                                                                      | <b>8923.115</b>                                                                                               | <b>8923.125</b>                                                                                                    |
| Metal sleeve<br>with retaining thread,<br>oblique distal tip<br> | 100 mm | 10 mm    | <b>8923.023</b> | <b>8923.103</b>                                                                                                        | <b>8923.113</b>                                                                                               | <b>8923.123</b>                                                                                                    |

**Spare ball**, 1 piece, capacity Ø 7 mm - 12.5 mm ..... **8923.901**  
**Spare o-rings**, pack of 10, capacity Ø 7 mm - 12.5 mm ..... **8923.951**  
**Spare sealing caps**, pack of 10, capacity 10 mm, red ..... **89.08**  
**Spare plug**, pack of 5 ..... **896.0002**

|                                                                                     |                                                                                    |                |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------------|
|  | To expose anatomical layers:<br><b>Tissue retractors</b> ,<br>S-shaped, set of two | <b>8928.90</b> |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------------|

## Trocar Sleeves 12.5 mm with insufflation tap

|                                                                                                                                               |        |          |                 |                                                                                                                                 |                                                                                                                       |                                                                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--------|----------|-----------------|---------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| RIWO-ART trocar sleeves with magnetic-ball-valve<br>         |        |          |                 | <b>Trocar,<br/>blunt<br/>conical tip</b><br> | <b>Trocar,<br/>conical tip</b><br> | <b>Trocar,<br/>pyramidal<br/>tip</b><br> |
|                                                                                                                                               | WL     | Capacity | Types           |                                                                                                                                 |                                                                                                                       |                                                                                                                             |
| Metal sleeve,<br>standard, straight<br>distal tip<br>        | 100 mm | 12.5 mm  | <b>8924.014</b> | <b>8924.103</b>                                                                                                                 | <b>8924.113</b>                                                                                                       | <b>8924.123</b>                                                                                                             |
|                                                                                                                                               | 150 mm | 12.5 mm  | <b>8924.016</b> | -                                                                                                                               | <b>8924.115</b>                                                                                                       | <b>8924.125</b>                                                                                                             |
| Metal sleeve,<br>standard, oblique<br>distal tip<br>        | 100 mm | 12.5 mm  | <b>8924.013</b> | <b>8924.103</b>                                                                                                                 | <b>8924.113</b>                                                                                                       | <b>8924.123</b>                                                                                                             |
| Metal with<br>retaining thread,<br>straight distal tip<br> | 150 mm | 12.5 mm  | <b>8924.026</b> | -                                                                                                                               | <b>8924.115</b>                                                                                                       | <b>8924.125</b>                                                                                                             |

### VARIO-PORT reducing adapter, pack of 5

for reduction from

Ø 10 mm to Ø 5.5 mm and

Ø 12.5 mm to Ø 5.5 mm ..... **8923.802**



# TROTEC

## Trocars with automatic shielding function



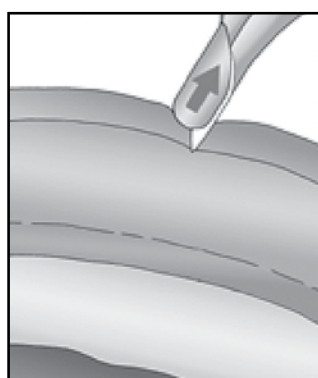
### Conical Tip

Conical tip dilates fascia for secure holding of the trocar sleeve in the abdominal wall.

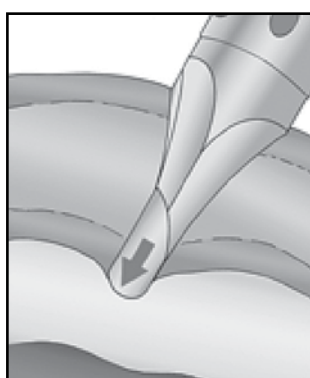


### Linear Tip

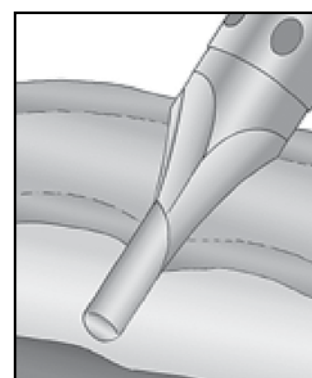
Linear blade provides for easy penetration of the abdominal wall, and minimizes fascial defect size.



The shielding rod retracts automatically into the cannula when it makes contact with the abdominal wall.



Immediately after penetrating the peritoneum, the shielding rod snaps back into the free abdominal cavity.



The extreme distal position of the atraumatic shielding rod covers the trocar tip after insertion.

### TROTEC trocar consisting of:



Sheath with conical tip



Sheath with double-edged linear tip



Handle with spring-mounted rod

### For RIWO-ART trocar sleeves:



WL  
mm

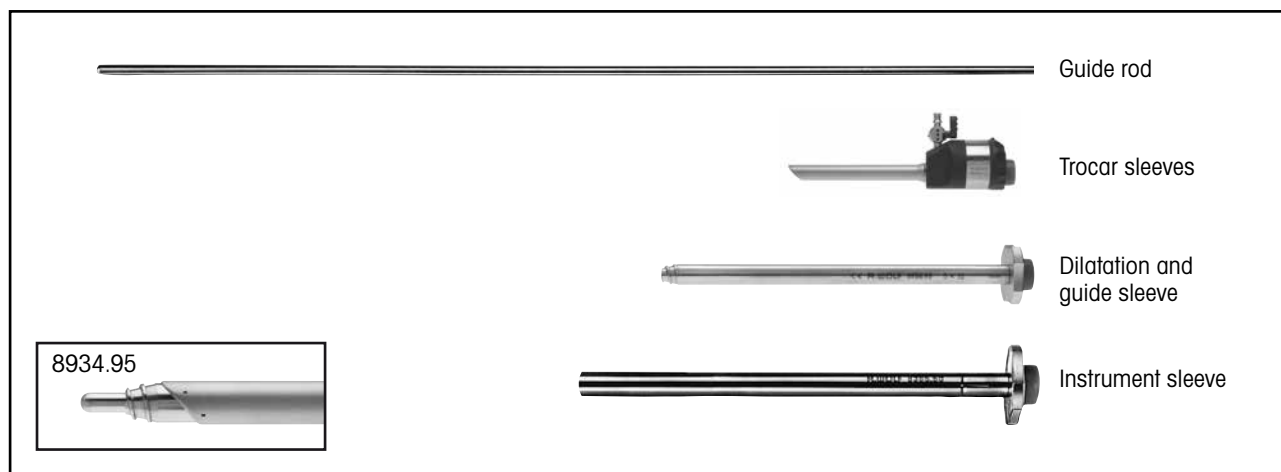
Diameter  
mm

TROTEC trocar complete  
with sheath and spring rod

| Sheath with conical tip | Sheath with double-edged linear tip | Handle with spring-mounted rod | WL<br>mm | Diameter<br>mm | TROTEC trocar complete<br>with sheath and spring rod |
|-------------------------|-------------------------------------|--------------------------------|----------|----------------|------------------------------------------------------|
| <b>8921.132</b>         |                                     | <b>8923.135</b>                | 100      | 5.5            | <b>89211315</b>                                      |
|                         | <b>8923.134</b>                     | <b>8923.135</b>                | 100      | 10.0           | <b>89231335</b>                                      |
|                         | <b>8924.134</b>                     | <b>8923.135</b>                | 100      | 12.5           | <b>89241335</b>                                      |

# Dilatation and Extraction Instruments

5.5 to 10 / 10 to 12.5 mm

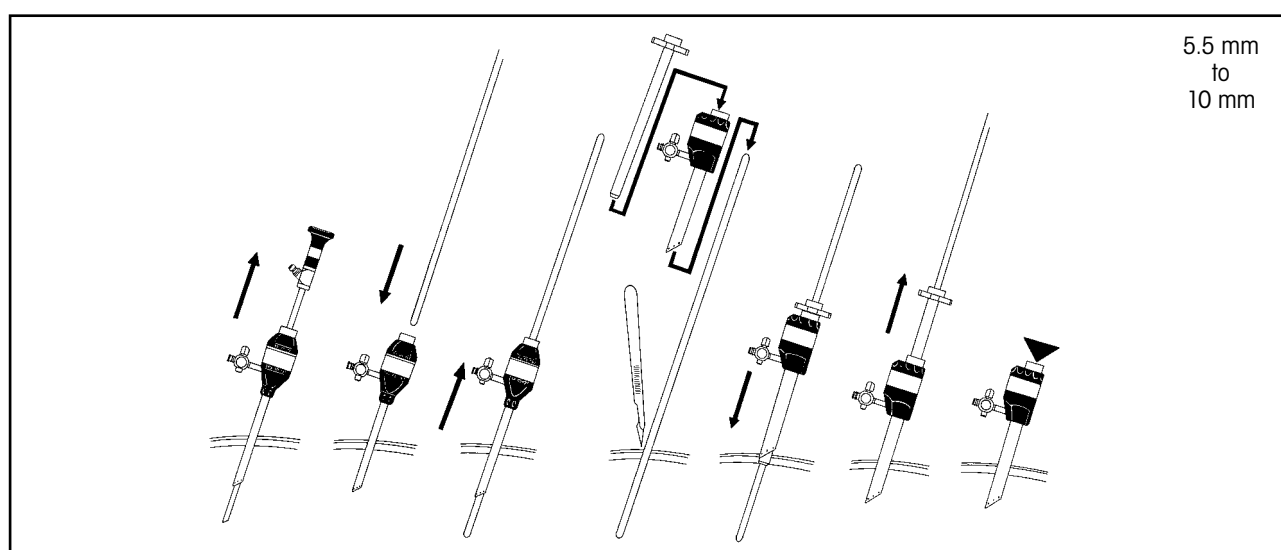


| To extend an incision | Guide rod | Trocar sleeve                 | Dilatation and guide sleeve | Instrument sleeve, extractor and reducing sleeve |
|-----------------------|-----------|-------------------------------|-----------------------------|--------------------------------------------------|
| 3.5 mm to 5.5 mm      | -         | 8921.013                      | -                           | 8383.78*                                         |
| 5.0 mm to 10 mm       | 8934.951  | 8923.013<br>(5.5 mm to 10 mm) | 8934.95                     | 8385.50**                                        |
| 5.0 mm to 12.5 mm     | -         | 8924.013                      | -                           |                                                  |

for sealed application of

\* 3.5 mm instruments in the 5.5 mm trocar sleeve

\*\* 5 mm instruments in the 12.5 mm trocar sleeve



## Reducing Sleeves for RIWO-ART trocar sleeves



|                                                   | Outer Ø | WL     | for instrument sizes | Types          |
|---------------------------------------------------|---------|--------|----------------------|----------------|
| <b>5.5/3.5 mm Reducing sleeve*</b>                | 5.5 mm  | 160 mm | 3.5 mm               | <b>8383.78</b> |
| <b>10/5.5 mm Instrument sleeve and extractor*</b> | 10 mm   | 170 mm | 5.5 mm               | <b>8385.50</b> |
| <b>10/5 mm Reducing sleeve*</b>                   | 10 mm   | 160 mm | 5.5 mm               | <b>8934.98</b> |

**\*Spare sealing caps, pack of 10..... 89.02**

# ERAGON<sup>modular</sup><sub>mini</sub>

## modular instruments 3.5 mm

| <br><br>All jaw inserts and sheaths can also be combined with ERAGONaxial. | Handle type                                                                       |                                                                                                |                                                                                                 |                                                                                     | Knob attachment, ERAGONaxial<br><br> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                             |  | HF / mono<br> | HF / mono<br> |  |                                                                                                                         |
| Types                                                                                                                                                       | 83930082                                                                          | 83930083                                                                                       | 83930084                                                                                        | 83930085                                                                            | 8988                                                                                                                    |

| Jaw insert<br><br>                                                                 | Sheath tube, insulated |           | Handle type<br>HF / mono<br><br>with locking mechanism, rotatable | Complete instrument<br>• Jaw Insert<br>• Sheath<br>• Handle |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
|                                                                                                                                                                      | WL 240 mm              | WL 330 mm |                                                                                                                                                       |                                                             |
| Types                                                                                                                                                                | 8390933                | 8391933   | 83930074                                                                                                                                              | Types                                                       |
| <br>Grasping and dissecting forceps long, fine tip, double jaw action, JL= 18 mm  | 8390221                | •         | •                                                                                                                                                     | 83902217                                                    |
|                                                                                                                                                                      | 8391221                | •         | •                                                                                                                                                     | 83912217                                                    |
| <br>Grasping and dissecting forceps short, fine tip, double jaw action, JL= 14 mm | 8390222                | •         | •                                                                                                                                                     | 83902227                                                    |
|                                                                                                                                                                      | 8391222                | •         | •                                                                                                                                                     | 83912227                                                    |
| <br>Grasping and dissecting forceps curved right, double jaw action, JL= 14 mm    | 8390223                | •         | •                                                                                                                                                     | 83902237                                                    |
|                                                                                                                                                                      | 8391223                | •         | •                                                                                                                                                     | 83912237                                                    |

\* JL = Jaw length when jaws closed (approximate measurements)

HF connecting cable see page 85.

# ERAGON<sup>modular</sup><sub>mini</sub>

## modular instruments 3.5 mm

| <br>All jaw inserts and sheaths can also be combined with ERAGONaxial. | Handle type                                                                       |                                                                                   |                                                                                    |                                                                                     | Knob attachment, ERAGONaxial<br> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                         |  |  |  |  |                                                                                                                     |
| Types                                                                                                                                                   | 83930082                                                                          | 83930083                                                                          | 83930084                                                                           | 83930085                                                                            | 8988                                                                                                                |

| Jaw insert<br>                                                                     |         | Sheath tube, insulated<br> |              | Handle type<br>HF / mono<br> | Complete instrument<br>• Jaw Insert<br>• Sheath<br>• Handle |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------------------------------------------------------------------------------------------------------------|--------------|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
|                                                                                                                                                                      |         | WL<br>240 mm                                                                                                | WL<br>330 mm | with locking mechanism, rotatable                                                                               |                                                             |
|                                                                                                                                                                      | Types   | 8390933                                                                                                     | 8391933      | 83930074                                                                                                        | Types                                                       |
| <br>Grasping and dissecting, forceps, long, fine tip, double jaw action, JL= 15mm | 8390207 | ●                                                                                                           |              | ●                                                                                                               | 83902077                                                    |
|                                                                                                                                                                      | 8391207 |                                                                                                             | ●            | ●                                                                                                               | 83912077                                                    |
| <br>Double-spoon forceps, by Hürtgen, JL= 12 mm                                   | 8390216 | ●                                                                                                           |              | ●                                                                                                               | 83902167                                                    |
|                                                                                                                                                                      | 8391216 |                                                                                                             | ●            | ●                                                                                                               | 83912167                                                    |
| <br>Punch by Friedel, JL= 10 mm                                                   | 8390217 | ●                                                                                                           |              | ●                                                                                                               | 83902177                                                    |
|                                                                                                                                                                      | 8391217 |                                                                                                             | ●            | ●                                                                                                               | 83912177                                                    |

\* JL = Jaw length when jaws closed (approximate measurements)

HF connecting cable see page 85.

# ERAGON<sup>modular</sup><sub>mini</sub>

## modular scissors 3.5 mm

|                                                                                                                                                                                   |       |                                                                                                                                                                   |                                                                                                                                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| <div></div> <div>All jaw inserts and sheaths can also be combined with <b>ERAGONaxial</b>.</div> |       | <div>Handle type</div>                                                                                                                                            | <div>Knob attachment, ERAGONaxial</div> <div></div> |
|                                                                                                                                                                                   |       | <div>HF / mono</div> <div></div> <div>without locking mechanism, rotatable</div> |                                                                                                                                        |
|                                                                                                                                                                                   | Types | 83930083                                                                                                                                                          | 8988                                                                                                                                   |

| Jaw insert                                                                                                                                                       | Sheath tube, insulated |           | Handle type | Complete instrument                                                                          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------|-------------|----------------------------------------------------------------------------------------------|
|                                                                                                                                                                  | WL 240 mm              | WL 330 mm |             |                                                                                              |
|                                                                                 |                        |           | HF / mono   | <ul style="list-style-type: none"> <li>Jaw Insert</li> <li>Sheath</li> <li>Handle</li> </ul> |
|                                                                                                                                                                  | Types                  | 8390933   | 8391933     | 83930073                                                                                     |
| <br>Scissors "Metzenbaum" double jaw action, JL= 16 mm                        | 8390215                | ●         |             | ●                                                                                            |
|                                                                                                                                                                  | 8391215                |           | ●           | ●                                                                                            |
| <br>Scissors "Metzenbaum" fine serrated, curved, double jaw action, JL= 14 mm | 8390224                | ●         |             | ●                                                                                            |
|                                                                                                                                                                  | 8391224                |           | ●           | ●                                                                                            |
| <br>Hook scissors single jaw action, JL= 8 mm                                 | 8390227                | ●         |             | ●                                                                                            |
|                                                                                                                                                                  | 8391227                |           | ●           | ●                                                                                            |

\* JL = Jaw length when jaws closed (approximate measurements)

HF connecting cable see page 85.

# ERAGON<sup>modular</sup><sub>mini</sub>

## modular instruments 3.5 mm

| <br><br>All jaw inserts and sheaths can also be combined with <b>ERAGONaxial</b> . | Handle type                                                                                                            |                                                                                                                              | Knob attachment, ERAGONaxial<br><br> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                     | <br>with locking mechanism, rotatable | <br>with locking mechanism, non rotatable |                                                                                                                         |
| Types                                                                                                                                                               | 83930082                                                                                                               | 83930085                                                                                                                     | 8988                                                                                                                    |

| Jaw insert<br><br>                                                                                | Sheath tube, non-insulated |           | Handle type<br><br><br>with locking mechanism, rotatable | Complete instrument<br>• Jaw Insert<br>• Sheath<br>• Handle |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
|                                                                                                                                                                                    | WL 240 mm                  | WL 330 mm |                                                                                                                                              |                                                             |
| Types                                                                                                                                                                              | 8390934                    | 8391934   | 83930072                                                                                                                                     | Types                                                       |
| <br><b>Atraumatic grasping forceps</b> fenestrated, double jaw action, JL= 14 mm                | 8390208                    | •         | •                                                                                                                                            | 83902087                                                    |
|                                                                                                                                                                                    | 8391208                    | •         | •                                                                                                                                            | 83912087                                                    |
| <br><b>Atraumatic grasping forceps</b> fenestrated, single jaw action, JL= 17 mm                | 8390218                    | •         | •                                                                                                                                            | 83902187                                                    |
|                                                                                                                                                                                    | 8391218                    | •         | •                                                                                                                                            | 83912187                                                    |
| <br><b>Atraumatic grasping forceps</b> double fenestrated, curved, single jaw action, JL= 17 mm | 8390225                    | •         | •                                                                                                                                            | 83902257                                                    |
|                                                                                                                                                                                    | 8391225                    | •         | •                                                                                                                                            | 83912257                                                    |

\* JL = Jaw length when jaws closed (approximate measurements)

# ERAGON<sup>modular</sup><sub>mini</sub>

## modular instruments 3.5 mm

| <br><br>All jaw inserts and sheaths can also be combined with <b>ERAGONaxial</b> . | Handle type                                                                                                            |                                                                                                                              | Knob attachment, ERAGONaxial<br><br> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                     | <br>with locking mechanism, rotatable | <br>with locking mechanism, non rotatable |                                                                                                                         |
| Types                                                                                                                                                               | 83930082                                                                                                               | 83930085                                                                                                                     | 8988                                                                                                                    |

| Jaw insert<br><br>                                                                   | Sheath tube, non-insulated |           | Handle type<br><br><br>with locking mechanism, rotatable | Complete instrument<br>• Jaw Insert<br>• Sheath<br>• Handle |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
|                                                                                                                                                                       | WL 240 mm                  | WL 330 mm |                                                                                                                                              |                                                             |
| Types                                                                                                                                                                 | 8390934                    | 8391934   | 83930072                                                                                                                                     | Types                                                       |
| <br><b>Atraumatic grasping forceps</b> fenestrated, double jaw action, JL= 19 mm   | 8390226                    | •         | •                                                                                                                                            | 83902267                                                    |
|                                                                                                                                                                       | 8391226                    | •         | •                                                                                                                                            | 83912267                                                    |
| <br><b>Grasping and dissecting forceps</b> double jaw action, JL= 13 mm            | 8390219                    | •         | •                                                                                                                                            | 83902197                                                    |
|                                                                                                                                                                       | 8391219                    | •         | •                                                                                                                                            | 83912197                                                    |
| <br><b>Grasping and dissecting forceps</b> 2x4 teeth, double jaw action, JL= 14 mm | 8390220                    | •         | •                                                                                                                                            | 83902207                                                    |
|                                                                                                                                                                       | 8391220                    | •         | •                                                                                                                                            | 83912207                                                    |

\* JL = Jaw length when jaws closed (approximate measurements)

# ERAGON<sup>modular</sup><sub>mini</sub>

## modular instruments 3.5 mm

| <br><br>All jaw inserts and sheaths can also be combined with ERAGONaxial. | Handle type |                                                                                                                        | Knob attachment, ERAGONaxial<br><br>      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                             |             | <br>with locking mechanism, rotatable | <br>with locking mechanism, non rotatable |
| Types                                                                                                                                                       | 83930082    | 83930085                                                                                                               | 8988                                                                                                                         |

| Jaw insert<br><br>                                                         | Sheath tube, non-insulated |           | Handle type<br><br><br>with locking mechanism, rotatable | Complete instrument<br>• Jaw Insert<br>• Sheath<br>• Handle |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
|                                                                                                                                                             |                            | WL 240 mm | WL 330 mm                                                                                                                                    |                                                             |
| Types                                                                                                                                                       | 8390934                    | 8391934   | 83930072                                                                                                                                     | Types                                                       |
| <br><b>Universal grasping forceps</b><br>double jaw action,<br>JL= 14 mm | 8390209                    | •         | •                                                                                                                                            | 83902097                                                    |
|                                                                                                                                                             | 8391209                    |           | •                                                                                                                                            | 83912097                                                    |
| <br><b>Grasping forceps "Babcock"</b> double jaw action,<br>JL= 19 mm    | 8390210                    | •         | •                                                                                                                                            | 83902107                                                    |
|                                                                                                                                                             | 8391210                    |           | •                                                                                                                                            | 83912107                                                    |

\* JL = Jaw length when jaws closed (approximate measurements)

# ERAGON<sup>modular</sup>

## modular instruments 5 mm

| <br>All jaw inserts and sheaths can also be combined with ERAGONaxial. | Handle type                                                                       |                                                                                   |                                                                                    |                                                                                     | Knob attachment, ERAGONaxial<br> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                         |  |  |  |  |                                                                                                                     |
| Types                                                                                                                                                   | 83930082                                                                          | 83930083                                                                          | 83930084                                                                           | 83930085                                                                            | 8988                                                                                                                |

| Jaw insert<br>                                                                                                                        | Sheath tube, insulated |           | Handle type<br>HF / mono<br><br>with locking mechanism, rotatable | Complete instrument<br>• Jaw Insert<br>• Sheath<br>• Handle |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
|                                                                                                                                                                                                                         | WL 330 mm              | WL 450 mm |                                                                                                                                                       |                                                             |
| Types                                                                                                                                                                                                                   | 8393933                | 8394933   | 83930074                                                                                                                                              | Types                                                       |
| <br><b>Grasping and dissecting forceps "Maryland Dissector"</b> curved, with fine cross-cut toothing, double jaw action<br>JL= 21 mm | 8393.281               | •         | •                                                                                                                                                     | 83932817                                                    |
|                                                                                                                                                                                                                         | 8394.281               | •         | •                                                                                                                                                     | 83942817                                                    |
| <br><b>Grasping and dissecting forceps</b> long, double jaw action, JL= 24 mm                                                        | 8393194                | •         | •                                                                                                                                                     | 83931947                                                    |
|                                                                                                                                                                                                                         | 8394194                | •         | •                                                                                                                                                     | 83941947                                                    |
| <br><b>Grasping and dissecting forceps</b> curved, double jaw action, JL= 19 mm                                                      | 8393240                | •         | •                                                                                                                                                     | 83932407                                                    |
|                                                                                                                                                                                                                         | 8394240                | •         | •                                                                                                                                                     | 83942407                                                    |

\* JL = Jaw length when jaws closed (approximate measurements)

HF connecting cable see page 85.

# ERAGON<sup>modular</sup>

## modular instruments 5 mm

| <br>All jaw inserts and sheaths can also be combined with ERAGONaxial. | Handle type                                                                       |                                                                                                |                                                                                                 |                                                                                     | Knob attachment, ERAGONaxial<br> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                         |  | HF / mono<br> | HF / mono<br> |  |                                                                                                                     |
| Types                                                                                                                                                   | 83930082                                                                          | 83930083                                                                                       | 83930084                                                                                        | 83930085                                                                            | 8988                                                                                                                |

| Jaw insert<br>                                                                                                        | Sheath tube, insulated |           | Handle type<br>HF / mono<br><br>with locking mechanism, rotatable | Complete instrument<br>• Jaw Insert<br>• Sheath<br>• Handle |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
|                                                                                                                                                                                                        | WL 330 mm              | WL 450 mm |                                                                                                                                                       |                                                             |
| Types                                                                                                                                                                                                  | 8393933                | 8394933   | 83930074                                                                                                                                              | Types                                                       |
| <br><b>Grasping and dissecting forceps "Mixer"</b> angled, fine pyramidal-shaped teeth, double jaw action JL= 22 mm | 8393.283               | •         | •                                                                                                                                                     | 83932837                                                    |
| <br><b>Grasping and dissecting forceps</b> right-angled, double jaw action, JL= 18 mm                               | 8393192                | •         | •                                                                                                                                                     | 83931927                                                    |
|                                                                                                                                                                                                        | 8394192                | •         | •                                                                                                                                                     | 83941927                                                    |
| <br><b>Grasping and dissecting forceps</b> short, fine tip, double jaw action, JL= 19 mm                            | 8393200                | •         | •                                                                                                                                                     | 83932007                                                    |
|                                                                                                                                                                                                        | 8394200                | •         | •                                                                                                                                                     | 83942007                                                    |

\* JL = Jaw length when jaws closed (approximate measurements)

HF connecting cable see page 85.

# ERAGON<sup>modular</sup>

## modular instruments 5 mm

| ERAGON <sup>axial</sup>                                            | Handle type                                                                       |                                                                                   |                                                                                    |                                                                                     | Knob attachment, ERAGONaxial                                                        |
|--------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                                                    |  |  |  |  |                                                                                     |
| All jaw inserts and sheaths can also be combined with ERAGONaxial. | with locking mechanism, rotatable                                                 | without locking mechanism, rotatable                                              | with locking mechanism, rotatable                                                  | with locking mechanism, non rotatable                                               |  |
| Types                                                              | 83930082                                                                          | 83930083                                                                          | 83930084                                                                           | 83930085                                                                            | 8988                                                                                |

| Jaw insert                                                                                                                                                          | Sheath tube, insulated                                                            |           | Handle type<br>HF / mono<br><br>with locking mechanism, rotatable | Complete instrument<br>• Jaw Insert<br>• Sheath<br>• Handle |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
|                                                                                                                                                                     |  | WL 330 mm | WL 450 mm                                                                                                                                             |                                                             |
| Types                                                                                                                                                               | 8393933                                                                           | 8394933   | 83930074                                                                                                                                              | Types                                                       |
| <br>Grasping and dissecting forceps long, double jaw action, JL= 30 mm           | 8393197                                                                           | •         | •                                                                                                                                                     | 83931977                                                    |
|                                                                                                                                                                     | 8394197                                                                           |           | •                                                                                                                                                     | 83941977                                                    |
| <br>Grasping forceps curved, fine tip, double jaw action, JL= 33 mm              | 8393198                                                                           | •         | •                                                                                                                                                     | 83931987                                                    |
|                                                                                                                                                                     | 8394198                                                                           |           | •                                                                                                                                                     | 83941987                                                    |
| <br>Grasping and dissecting forceps long, fine tip, double jaw action, JL= 32 mm | 8393199                                                                           | •         | •                                                                                                                                                     | 83931997                                                    |
|                                                                                                                                                                     | 8394199                                                                           |           | •                                                                                                                                                     | 83941997                                                    |

\* JL = Jaw length when jaws closed (approximate measurements)

HF connecting cable see page 85.

# ERAGON<sup>modular</sup>

## modular instruments 5 mm

| <br>All jaw inserts and sheaths can also be combined with ERAGONaxial. | Handle type                                                                       |                                                                                   |                                                                                    |                                                                                     | Knob attachment, ERAGONaxial<br> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                         |  |  |  |  |                                                                                                                     |
| Types                                                                                                                                                   | 83930082                                                                          | 83930083                                                                          | 83930084                                                                           | 83930085                                                                            | 8988                                                                                                                |

| Jaw insert<br>                                                                                                                 | Sheath tube, insulated                                                                            |   | Handle type                                                                                                                 |                                                                                                                           | Complete instrument<br>• Jaw Insert<br>• Sheath<br>• Handle |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
|                                                                                                                                                                                                                 | <br>WL<br>330 mm |   | <br>without locking mechanism, rotatable | <br>with locking mechanism, rotatable |                                                             |
| Types                                                                                                                                                                                                           | 8393933                                                                                           |   | 83930073                                                                                                                    | 83930074                                                                                                                  | Types                                                       |
| <br><b>Grasping and dissecting forceps</b> fine pyramid-shaped toothings, slimline, double jaw action, JL= 18 mm             | 8393.289                                                                                          | • |                                                                                                                             | •                                                                                                                         | 83932897                                                    |
| <br><b>Dissecting forceps, "Petelin"</b> , angled 30° left, with horizontal serration, single jaw action, JL= 17 mm          | 8393.282                                                                                          | • |                                                                                                                             | •                                                                                                                         | 83932827                                                    |
| <br><b>Grasping and dissecting forceps, "Dolphin"</b> angled, fine cross-cut toothings, with jaw throat, slimline, JL= 17 mm | 8393.285                                                                                          | • | •                                                                                                                           |                                                                                                                           | 83932857                                                    |

\* JL = Jaw length when jaws closed (approximate measurements)

HF connecting cable see page 85.

# ERAGON<sup>modular</sup>

## modular instruments 5 mm

| <br>All jaw inserts and sheaths can also be combined with <b>ERAGONaxial</b> . | Handle type                                                                                                            |                                                                                                                           |                                                                                                                         |                                                                                                                              | Knob attachment, <b>ERAGONaxial</b><br> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                 | <br>with locking mechanism, rotatable | <br>without locking mechanism, rotatable | <br>with locking mechanism, rotatable | <br>with locking mechanism, non rotatable |                                                                                                                            |
| Types                                                                                                                                                           | 83930082                                                                                                               | 83930083                                                                                                                  | 83930084                                                                                                                | 83930085                                                                                                                     | 8988                                                                                                                       |

| Jaw insert<br>                                                                                                    | Sheath tube, insulated |              |              | Handle type                                                                                                             |                                                                                                                          | Complete instrument<br>• Jaw Insert<br>• Sheath<br>• Handle |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------|--------------|-------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
|                                                                                                                                                                                                    | WL<br>260 mm           | WL<br>330 mm | WL<br>450 mm | <br>with locking mechanism, rotatable | <br>with locking mechanism, rotatable |                                                             |
| Types                                                                                                                                                                                              | 8392933                | 8393933      | 8394933      | 83930072                                                                                                                | 83930074                                                                                                                 | Types                                                       |
| <br><b>Grasping and dissecting forceps</b> short rounded jaws, double jaw action, JL= 15 mm                     | 8393230                | ●            |              | ●                                                                                                                       |                                                                                                                          | 83932307                                                    |
|                                                                                                                                                                                                    | 8394230                |              | ●            | ●                                                                                                                       |                                                                                                                          | 83942307                                                    |
| <br><b>Atraumatic grasping forceps</b> fenestrated, with cross-cut toothing, double jaw action, JL= 19 mm       | 8392.181               | ●            |              |                                                                                                                         | ●                                                                                                                        | 83921817                                                    |
|                                                                                                                                                                                                    | 8393.181               |              | ●            |                                                                                                                         | ●                                                                                                                        | 83931817                                                    |
|                                                                                                                                                                                                    | 8394.181               |              | ●            |                                                                                                                         | ●                                                                                                                        | 83941817                                                    |
| <br><b>Plate-shaped grasping forceps</b> fenestrated with fine cross-cut toothing, double jaw action, JL= 18 mm | 8393.182               | ●            |              |                                                                                                                         | ●                                                                                                                        | 83931827                                                    |

\* JL = Jaw length when jaws closed (approximate measurements)

HF connecting cable see page 85.

# ERAGON<sup>modular</sup>

## modular instruments 5 mm

| <br>All jaw inserts and sheaths can also be combined with ERAGONaxial. | Handle type                                                                       |                                                                                   |                                                                                    |                                                                                     | Knob attachment, ERAGONaxial<br> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                         |  |  |  |  |                                                                                                                     |
| Types                                                                                                                                                   | 83930082                                                                          | 83930083                                                                          | 83930084                                                                           | 83930085                                                                            | 8988                                                                                                                |

| Jaw insert<br>                                                                                                    | Sheath tube, insulated |           | Handle type                                                                                                                |                                                                                                                          | Complete instrument<br>• Jaw Insert<br>• Sheath<br>• Handle |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------|----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
|                                                                                                                                                                                                    | WL 330 mm              | WL 450 mm | <br>without locking mechanism, rotatable | <br>with locking mechanism, rotatable |                                                             |
| Types                                                                                                                                                                                              | 8393933                | 8394933   | 83930073                                                                                                                   | 83930074                                                                                                                 | Types                                                       |
| <br><b>Grasping and dissecting forceps</b> fine cross-cut toothings, double jaw action, JL= 21 mm               | 8393.183               | ●         | ●                                                                                                                          |                                                                                                                          | 83931837                                                    |
| <br><b>Grasping and dissecting forceps</b> perforated, fine horizontal serrations, single jaw action, JL= 21 mm | 8393.185               | ●         |                                                                                                                            | ●                                                                                                                        | 83931857                                                    |
| <br><b>Grasping and dissecting forceps</b> perforated, fine horizontal serrations, single jaw action, JL= 26 mm | 8393.184               | ●         |                                                                                                                            | ●                                                                                                                        | 83931847                                                    |
|                                                                                                                                                                                                    | 8394.184               |           | ●                                                                                                                          | ●                                                                                                                        | 83941847                                                    |

\* JL = Jaw length when jaws closed (approximate measurements)

HF connecting cable see page 85.

# ERAGON<sup>modular</sup>

## modular instruments 5 mm

| <br>All jaw inserts and sheaths can also be combined with ERAGONaxial. | Handle type                                                                       |                                                                                                |                                                                                                 |                                                                                     | Knob attachment, ERAGONaxial<br> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                         |  | HF / mono<br> | HF / mono<br> |  |                                                                                                                     |
| Types                                                                                                                                                   | 83930082                                                                          | 83930083                                                                                       | 83930084                                                                                        | 83930085                                                                            | 8988                                                                                                                |

| Jaw insert<br>                                                                                                      | Sheath tube, insulated |           | Handle type<br><br>with locking mechanism, rotatable | Complete instrument<br>• Jaw Insert<br>• Sheath<br>• Handle |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
|                                                                                                                                                                                                       | WL 330 mm              | WL 450 mm |                                                                                                                                          |                                                             |
| Types                                                                                                                                                                                                 | 8393933                | 8394933   | 83930072                                                                                                                                 | Types                                                       |
| <br><b>Grasping forceps</b><br>atraumatic, fenestrated,<br>fine cross toothing,<br>double jaw action,<br>JL= 25 mm | 8393250                | •         | •                                                                                                                                        | 83932507                                                    |
|                                                                                                                                                                                                       | 8394250                | •         | •                                                                                                                                        | 83942507                                                    |
| <br><b>Atraumatic grasping forceps</b> with double window, curved, single jaw action, JL= 32 mm                    | 8393229                | •         | •                                                                                                                                        | 83932297                                                    |
|                                                                                                                                                                                                       | 8394229                | •         | •                                                                                                                                        | 83942297                                                    |
| <br><b>Atraumatic intestinal grasping forceps</b> single fenestration, double jaw action, JL= 38 mm                | 8393249                | •         | •                                                                                                                                        | 83932497                                                    |
|                                                                                                                                                                                                       | 8394249                | •         | •                                                                                                                                        | 83942497                                                    |

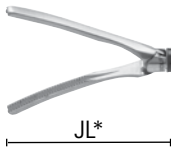
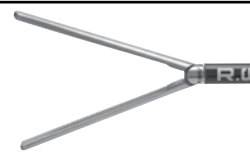
\* JL = Jaw length when jaws closed (approximate measurements)

HF connecting cable see page 85.

# ERAGON<sup>modular</sup>

## modular instruments 5 mm

| <br>All jaw inserts and sheaths can also be combined with ERAGONaxial. | Handle type                                                                       |                                                                                                |                                                                                                 |                                                                                     | Knob attachment, ERAGONaxial<br> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                         |  | HF / mono<br> | HF / mono<br> |  |                                                                                                                     |
| Types                                                                                                                                                   | 83930082                                                                          | 83930083                                                                                       | 83930084                                                                                        | 83930085                                                                            | 8988                                                                                                                |

| Jaw insert<br>                                                                                                                  | Sheath tube, insulated |           | Handle type                                                                                                              |                                                                                                                                        | Complete instrument<br>• Jaw Insert<br>• Sheath<br>• Handle |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------|--------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
|                                                                                                                                                                                                                   | WL 330 mm              | WL 450 mm | <br>with locking mechanism, rotatable | HF / mono<br><br>with locking mechanism, rotatable |                                                             |
| Types                                                                                                                                                                                                             | 8393933                | 8394933   | 83930072                                                                                                                 | 83930074                                                                                                                               | Types                                                       |
| <br><b>Grasping forceps "Debakey"</b> curved, double jaw action, JL= 35 mm                                                     | 8393256                | ●         |                                                                                                                          | ●                                                                                                                                      | 83932567                                                    |
| <br><b>Grasping forceps "Debakey"</b> double jaw action, JL= 47 mm                                                             | 8393258                | ●         |                                                                                                                          | ●                                                                                                                                      | 83932587                                                    |
|                                                                                                                                                                                                                   | 8394258                | ●         |                                                                                                                          | ●                                                                                                                                      | 83942587                                                    |
| <br><b>Grasping and dissecting forceps</b> , fine cross-cut tooth, fenestrated, double jaw action, with spring jaws, JL= 47 mm | 8393.189               | ●         | ●                                                                                                                        |                                                                                                                                        | 83931897                                                    |
|                                                                                                                                                                                                                   | 8394.189               | ●         | ●                                                                                                                        |                                                                                                                                        | 83941897                                                    |

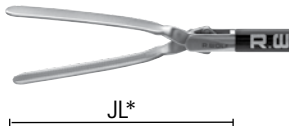
\* JL = Jaw length when jaws closed (approximate measurements)

HF connecting cable see page 85.

# ERAGON<sup>modular</sup>

## modular instruments 5 mm

| <br>All jaw inserts and sheaths can also be combined with ERAGONaxial. | Handle type                                                                       |                                                                                                |                                                                                                 |                                                                                     | Knob attachment, ERAGONaxial<br> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                         |  | HF / mono<br> | HF / mono<br> |  |                                                                                                                     |
| Types                                                                                                                                                   | 83930082                                                                          | 83930083                                                                                       | 83930084                                                                                        | 83930085                                                                            | 8988                                                                                                                |

| <div>Jaw insert</div> <div></div>                                                                                                                                                     | Sheath tube, insulated |              | <div>Handle type</div> <div></div> <div>with locking mechanism, rotatable</div> | Complete instrument <ul style="list-style-type: none"><li>Jaw Insert</li><li>Sheath</li><li>Handle</li></ul> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                                         | Types                  | 8393933      |                                                                                                                                                                     |                                                                                                              |
| <div></div> <div>Grasping and dissecting forceps "Debakey", atraumatic clip, longitudinal grooves with fine cross-cut toothing, double jaw action, with spring jaws, JL= 47 mm</div> | 8393.291               | <div>●</div> | <div>●</div>                                                                                                                                                        | 83932917                                                                                                     |
| <div></div> <div>Grasping and dissecting forceps "Debakey", atraumatic clip, double jaw action, JL= 39 mm</div>                                                                      | 8393190                | <div>●</div> | <div>●</div>                                                                                                                                                        | 83931907                                                                                                     |
| <div></div> <div>Grasping and dissecting forceps "Debakey", atraumatic clip, double jaw action, JL= 48 mm</div>                                                                      | 8393191                | <div>●</div> | <div>●</div>                                                                                                                                                        | 83931917                                                                                                     |

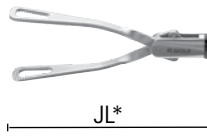
\* JL = Jaw length when jaws closed (approximate measurements)

HF connecting cable see page 85.

# ERAGON<sup>modular</sup>

## modular instruments 5 mm

| <br>All jaw inserts and sheaths can also be combined with ERAGONaxial. | Handle type                                                                       |                                                                                                |                                                                                                 |                                                                                     | Knob attachment, ERAGONaxial<br> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                         |  | HF / mono<br> | HF / mono<br> |  |                                                                                                                     |
| Types                                                                                                                                                   | 83930082                                                                          | 83930083                                                                                       | 83930084                                                                                        | 83930085                                                                            | 8988                                                                                                                |

| Jaw insert<br>                                                                                                                                       | Sheath tube, insulated |           | Handle type<br> | Complete instrument<br>• Jaw Insert<br>• Sheath<br>• Handle |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
|                                                                                                                                                                                                                                        | WL 330 mm              | WL 450 mm |                                                                                                     |                                                             |
| Types                                                                                                                                                                                                                                  | 8393933                | 8394933   | 83930072                                                                                            | Types                                                       |
| <br><b>Grasping and extraction forceps</b> , triangular, fenestrated, with fine cross-cut toothings, double jaw action, with spring jaws, JL= 37 mm | 8393.188               | •         | •                                                                                                   | 83931887                                                    |
| <br><b>Grasping forceps "Babcock"</b> , grasping surface with fine cross-cut toothings, double jaw action, JL= 24 mm                                | 8393.186               | •         | •                                                                                                   | 83931867                                                    |
| <br><b>Grasping forceps "Babcock"</b> , grasping surface with fine cross-cut toothings, double jaw action, JL= 26 mm                                | 8393.187               | •         | •                                                                                                   | 83931877                                                    |
|                                                                                                                                                                                                                                        | 8394.187               | •         | •                                                                                                   | 83941877                                                    |

\* JL = Jaw length when jaws closed (approximate measurements)

HF connecting cable see page 85.

# ERAGON<sup>modular</sup>

## modular instruments 5 mm

| <br>All jaw inserts and sheaths can also be combined with ERAGONaxial. | Handle type                                                                       |                                                                                                |                                                                                                 |                                                                                     | Knob attachment, ERAGONaxial<br> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                         |  | HF / mono<br> | HF / mono<br> |  |                                                                                                                     |
| Types                                                                                                                                                   | 83930082                                                                          | 83930083                                                                                       | 83930084                                                                                        | 83930085                                                                            | 8988                                                                                                                |

| Jaw insert<br>                                                                                                       | Sheath tube, insulated |           | Handle type                                                                                                              |                                                                                                                                        | Complete instrument<br>• Jaw Insert<br>• Sheath<br>• Handle |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------|--------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
|                                                                                                                                                                                                       | WL 330 mm              | WL 450 mm | <br>with locking mechanism, rotatable | HF / mono<br><br>with locking mechanism, rotatable |                                                             |
| Types                                                                                                                                                                                                 | 8393933                | 8394933   | 83930072                                                                                                                 | 83930074                                                                                                                               | Types                                                       |
| <br><b>Grasping forceps "Babcock"</b> fenestrated, single jaw action, JL= 17 mm                                    | 8393242                | •         | •                                                                                                                        | •                                                                                                                                      | 83932427                                                    |
| 8394242                                                                                                                                                                                               |                        | •         | •                                                                                                                        | •                                                                                                                                      | 83942427                                                    |
| <br><b>Universal grasping forceps</b> pyramid-shaped toothing and cross-cut toothing, double jaw action, JL= 18 mm | 8393.481               | •         |                                                                                                                          | •                                                                                                                                      | 83934817                                                    |
| <br><b>Universal holding forceps</b> pyramid-shaped toothing and cross-cut toothing, double jaw action, JL= 26 mm  | 8393.482               | •         | •                                                                                                                        |                                                                                                                                        | 83934827                                                    |

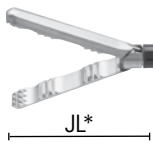
\* JL = Jaw length when jaws closed (approximate measurements)

HF connecting cable see page 85.

# ERAGON<sup>modular</sup>

## modular instruments 5 mm

| <br>All jaw inserts and sheaths can also be combined with ERAGONaxial. | Handle type                                                                       |                                                                                   |                                                                                    |                                                                                     | Knob attachment, ERAGONaxial<br> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                         |  |  |  |  |                                                                                                                     |
| Types                                                                                                                                                   | 83930082                                                                          | 83930083                                                                          | 83930084                                                                           | 83930085                                                                            | 8988                                                                                                                |

| Jaw insert<br>                                                                                          | Sheath tube, insulated |           | Handle type<br><br>with locking mechanism, rotatable | Complete instrument<br>• Jaw Insert<br>• Sheath<br>• Handle |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
|                                                                                                                                                                                           | WL 330 mm              | WL 450 mm |                                                                                                                                          |                                                             |
| Types                                                                                                                                                                                     | 8393933                | 8394933   | 83930072                                                                                                                                 | Types                                                       |
| <br><b>Grasping forceps</b> , atraumatic, fine cross-cut toothing, double jaw action, JL= 29 mm        | 8393223                | •         | •                                                                                                                                        | 83932237                                                    |
| 8394223                                                                                                                                                                                   | •                      | •         | •                                                                                                                                        | 83942237                                                    |
| <br><b>Atraumatic grasping forceps</b> , jaw throat with wavy tooth edge, single jaw action, JL= 26 mm | 8393.292               | •         | •                                                                                                                                        | 83932925                                                    |
| 8394.292                                                                                                                                                                                  | •                      | •         | •                                                                                                                                        | **                                                          |
| <br><b>Atraumatic grasping forceps</b> , jaw throat with wavy tooth edge, double jaw action, JL= 26 mm | 8393.293               | •         | •                                                                                                                                        | 83932935                                                    |
| 8394.293                                                                                                                                                                                  | •                      | •         | •                                                                                                                                        | **                                                          |

\* JL = Jaw length when jaws closed (approximate measurements)

\*\* No bundle number available. Components need to be quoted separately (jaw insert, sheath, handle)

HF connecting cable see page 85.

# ERAGON<sup>modular</sup>

## modular instruments 5 mm

| ERAGON <sup>axial</sup>                                            | Handle type                                                                       |                                                                                   |                                                                                    |                                                                                     | Knob attachment, ERAGONaxial                                                        |
|--------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                                                    |  |  |  |  |                                                                                     |
| All jaw inserts and sheaths can also be combined with ERAGONaxial. | with locking mechanism, rotatable                                                 | without locking mechanism, rotatable                                              | with locking mechanism, rotatable                                                  | with locking mechanism, non rotatable                                               |  |
| Types                                                              | 83930082                                                                          | 83930083                                                                          | 83930084                                                                           | 83930085                                                                            | 8988                                                                                |

| Jaw insert                                                                                                                                                                                           | Sheath tube, insulated                                                            |         | Handle type                                                                          | Complete instrument                                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
|                                                                                                                    |  |         | HF / mono                                                                            | <ul style="list-style-type: none"> <li>• Jaw Insert</li> <li>• Sheath</li> <li>• Handle</li> </ul> |
|                                                                                                                                                                                                      | WL<br>330 mm                                                                      |         |  |                                                                                                    |
|                                                                                                                                                                                                      | Types                                                                             | 8393933 | 83930074                                                                             | Types                                                                                              |
| <br><b>Grasping and dissecting forceps</b> , fine pyramid-shaped toothing, slimline, double jaw action, JL= 14 mm | 8393.288                                                                          | •       | •                                                                                    | 83932887                                                                                           |
| <br><b>Grasping forceps</b> , with row of teeth, double jaw action, JL= 17 mm                                     | 8393.485                                                                          | •       | •                                                                                    | 83934857                                                                                           |
| <br><b>Grasping and dissecting forceps</b> , atraumatic, fine cross toothing, double jaw action, JL= 16 mm        | 8393210                                                                           | •       | •                                                                                    | 83932107                                                                                           |

\* JL = Jaw length when jaws closed (approximate measurements)

HF connecting cable see page 85.

# ERAGON<sup>modular</sup>

## modular instruments 5 mm

| <br>All jaw inserts and sheaths can also be combined with ERAGONaxial. | Handle type                                                                                                            |                                                                                                                           |                                                                                                                         |                                                                                                                              | Knob attachment, ERAGONaxial<br> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                         | <br>with locking mechanism, rotatable | <br>without locking mechanism, rotatable | <br>with locking mechanism, rotatable | <br>with locking mechanism, non rotatable |                                                                                                                     |
| Types                                                                                                                                                   | 83930082                                                                                                               | 83930083                                                                                                                  | 83930084                                                                                                                | 83930085                                                                                                                     | 8988                                                                                                                |

| Jaw insert<br><br>JL*                                                         | Sheath tube, insulated |           | Handle type                                                                                                             |                                                                                                                             |                                                                                                                           | Complete instrument<br>• Jaw Insert<br>• Sheath<br>• Handle |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
|                                                                                                                                                                 | WL 330 mm              | WL 450 mm | <br>with locking mechanism, rotatable | <br>without locking mechanism, rotatable | <br>with locking mechanism, rotatable |                                                             |
| Types                                                                                                                                                           | 8393933                | 8394933   | 83930072                                                                                                                | 83930073                                                                                                                    | 83930074                                                                                                                  | Types                                                       |
| <br>Grasping and dissecting forceps double jaw action, JL= 16 mm             | 8393193                | •         | •                                                                                                                       |                                                                                                                             |                                                                                                                           | 83931937                                                    |
|                                                                                                                                                                 | 8394193                |           | •                                                                                                                       |                                                                                                                             |                                                                                                                           | 83941937                                                    |
| <br>Grasping and dissecting forceps atraumatic, double jaw action, JL= 19 mm | 8393220                | •         |                                                                                                                         |                                                                                                                             | •                                                                                                                         | 83932207                                                    |
|                                                                                                                                                                 | 8394220                |           | •                                                                                                                       |                                                                                                                             | •                                                                                                                         | 83942207                                                    |
| <br>Atraumatic grasping forceps smooth, double jaw action, JL= 18 mm         | 8393.195               | •         |                                                                                                                         | •                                                                                                                           |                                                                                                                           | 83931957                                                    |
|                                                                                                                                                                 | 8394.195               |           | •                                                                                                                       | •                                                                                                                           |                                                                                                                           | 83941957                                                    |

\* JL = Jaw length when jaws closed (approximate measurements)

HF connecting cable see page 85.

# ERAGON<sup>modular</sup>

## modular instruments 5 mm

| <br><br>All jaw inserts and sheaths can also be combined with <b>ERAGONaxial</b> . | Handle type                                                                                                            |                                                                                                                           |                                                                                                                         |                                                                                                                              | Knob attachment, <b>ERAGONaxial</b><br><br> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                     | <br>with locking mechanism, rotatable | <br>without locking mechanism, rotatable | <br>with locking mechanism, rotatable | <br>with locking mechanism, non rotatable |                                                                                                                                |
| Types                                                                                                                                                               | 83930082                                                                                                               | 83930083                                                                                                                  | 83930084                                                                                                                | 83930085                                                                                                                     | 8988                                                                                                                           |

| <div>Jaw insert</div> <div>  </div>                                                                                                          | <div>Sheath tube, insulated</div> <div>  </div> |         | <div> <div>Handle type</div> <div> <div>HF / mono</div>  <div>with locking mechanism, rotatable</div> </div> </div> | <div>Complete instrument</div> <div> <ul style="list-style-type: none"> <li>Jaw Insert</li> <li>Sheath</li> <li>Handle</li> </ul> </div> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                | Types                                                                                                                            | 8393933 |                                                                                                                                                                                                         |                                                                                                                                          |
| <div>  </div> <div> <b>Grasping forceps</b>, with one tooth, fine cross-cut toothing, slimline, double jaw action, JL= 19 mm         </div> | 8393.486                                                                                                                         | ●       | ●                                                                                                                                                                                                       | 83934867                                                                                                                                 |
| <div>  </div> <div> <b>Grasping forceps</b>, with two teeth, fine cross-cut toothing, single jaw action, JL= 17 mm         </div>           | 8393.487                                                                                                                         | ●       | ●                                                                                                                                                                                                       | 83934877                                                                                                                                 |
| <div>  </div> <div> <b>Grasping and extraction forceps</b>, "pike-mouth", double jaw action, JL= 20 mm         </div>                       | 8393.483                                                                                                                         | ●       | ●                                                                                                                                                                                                       | 83934837                                                                                                                                 |

\* JL = Jaw length when jaws closed (approximate measurements)

HF connecting cable see page 85.

# ERAGON<sup>modular</sup>

## modular instruments 5 mm

| <br><br>All jaw inserts and sheaths can also be combined with ERAGONaxial. | Handle type                                                                       |                                                                                                |                                                                                                 |                                                                                     | Knob attachment, ERAGONaxial<br><br> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                             |  | HF / mono<br> | HF / mono<br> |  |                                                                                                                         |
| Types                                                                                                                                                       | 83930082                                                                          | 83930083                                                                                       | 83930084                                                                                        | 83930085                                                                            | 8988                                                                                                                    |

| Jaw insert<br><br><br>JL*                                                                                    | Sheath tube, insulated |           | Handle type<br><br><br>with locking mechanism, rotatable | Complete instrument<br>• Jaw Insert<br>• Sheath<br>• Handle |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
|                                                                                                                                                                                                | WL 330 mm              | WL 450 mm |                                                                                                                                              |                                                             |
| Types                                                                                                                                                                                          | 8393933                | 8394933   | 83930072                                                                                                                                     | Types                                                       |
| <br><b>Grasping and extraction myoma grasping forceps</b> , 2x3-claw, single jaw action, JL= 29 mm          | 8393.488               | •         | •                                                                                                                                            | 83934887                                                    |
| <br><b>Grasping forceps with two teeth</b> , wavy grasping surface atraumatic, double jaw action, JL= 26 mm | 8393.490               | •         | •                                                                                                                                            | 83934907                                                    |
|                                                                                                                                                                                                | 8394.490               | •         | •                                                                                                                                            | 83944907                                                    |
| <br><b>Claw grasping forceps</b> , double jaw action, JL= 47 mm                                             | 8393.494               | •         | •                                                                                                                                            | 83934945                                                    |

\* JL = Jaw length when jaws closed (approximate measurements)

HF connecting cable see page 85.

# ERAGON<sup>modular</sup>

## modular instruments 5 mm

| <br><br>All jaw inserts and sheaths can also be combined with <b>ERAGONaxial</b> . | Handle type                                                                       |                                                                                   |                                                                                    |                                                                                     | Knob attachment, ERAGONaxial |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------|
|                                                                                                                                                                     |  |  |  |  |                              |
| Types                                                                                                                                                               | 83930082                                                                          | 83930083                                                                          | 83930084                                                                           | 83930085                                                                            | 8988                         |

| Jaw insert<br><br>                                                                                                  | Sheath tube, insulated |           | Handle type<br>HF / mono<br><br><br>without locking mechanism, rotatable | Complete instrument<br>• Jaw Insert<br>• Sheath<br>• Handle |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
|                                                                                                                                                                                                       | WL 330 mm              | WL 450 mm |                                                                                                                                                              |                                                             |
| Types                                                                                                                                                                                                 | 8393933                | 8394933   | 83930073                                                                                                                                                     | Types                                                       |
| <br><b>Grasping coagulating forceps</b> , distal cross-cut toothings with jaw throat, double jaw action, JL= 15 mm | 8393.287               | •         | •                                                                                                                                                            | 83932877                                                    |
| <br><b>Biospy forceps</b> , with pins, double jaw action, JL= 13 mm                                                | 8393.091               | •         | •                                                                                                                                                            | 83930917                                                    |
|                                                                                                                                                                                                       | 8394.091               | •         | •                                                                                                                                                            | 83940917                                                    |
| <br><b>Biospy forceps</b> , severing, single jaw action, JL= 14 mm                                                 | 8393.092               | •         | •                                                                                                                                                            | 83930927                                                    |
|                                                                                                                                                                                                       | 8394.092               | •         | •                                                                                                                                                            | 83940927                                                    |

\* JL = Jaw length when jaws closed (approximate measurements)

HF connecting cable see page 85.

# ERAGON<sup>modular</sup>

## modular instruments 5 mm

| <br><br>All jaw inserts and sheaths can also be combined with ERAGONaxial. | Handle type                                                                       |                                                                                                |                                                                                                 |                                                                                     | Knob attachment, ERAGONaxial<br><br> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                             |  | HF / mono<br> | HF / mono<br> |  |                                                                                                                         |
| Types                                                                                                                                                       | 83930082                                                                          | 83930083                                                                                       | 83930084                                                                                        | 83930085                                                                            | 8988                                                                                                                    |

| Jaw insert <div>  </div>                                                                          | Sheath tube, insulated <div>  </div> | Handle type <div> <p>HF / mono</p>  <p>without locking mechanism, rotatable</p> </div> | Complete instrument <ul style="list-style-type: none"> <li>• Jaw Insert</li> <li>• Sheath</li> <li>• Handle</li> </ul> |          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|----------|
|                                                                                                                                                                                    | Types                                                                                                                 | 8393933                                                                                                                                                                    | 83930073                                                                                                               | Types    |
| <div>  <p><b>Biopsy forceps</b>, pointed spoon forceps, single jaw action, JL= 20 mm</p> </div> | 8393.093                                                                                                              | ●                                                                                                                                                                          | ●                                                                                                                      | 83930937 |

\* JL = Jaw length when jaws closed (approximate measurements)

HF connecting cable see page 85.

# ERAGON<sup>modular</sup>

## modular scissors 5 mm

|                                                                                                                                                                                   |       |                                                                                                                                                                   |                                                                                                                                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| <div></div> <div>All jaw inserts and sheaths can also be combined with <b>ERAGONaxial</b>.</div> |       | Handle type                                                                                                                                                       | <div>Knob attachment, ERAGONaxial</div> <div></div> |
|                                                                                                                                                                                   |       | <div>HF / mono</div> <div></div> <div>without locking mechanism, rotatable</div> |                                                                                                                                        |
|                                                                                                                                                                                   | Types | 83930083                                                                                                                                                          | 8988                                                                                                                                   |

| Jaw insert<br><br>JL*                                                                | Sheath tube, insulated |           | Handle type<br><br>HF / mono<br><br>without locking mechanism, rotatable | Complete instrument<br>• Jaw Insert<br>• Sheath<br>• Handle |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
|                                                                                                                                                                       | WL 330 mm              | WL 450 mm |                                                                                                                                                              |                                                             |
| Types                                                                                                                                                                 | 8393933                | 8394933   | 83930073                                                                                                                                                     | Types                                                       |
| <br><b>Scissors "Metzenbaum"</b> ,<br>curved left, double jaw<br>action, JL= 23 mm | 8393.041               | •         | •                                                                                                                                                            | 83930417                                                    |
|                                                                                                                                                                       | 8394.041               |           | •                                                                                                                                                            | 83940417                                                    |
| <br><b>Scissors "Metzenbaum"</b> ,<br>curved, double jaw<br>action, JL= 21.2 mm    | 8393243                | •         | •                                                                                                                                                            | 83932437                                                    |
|                                                                                                                                                                       | 8394243                |           | •                                                                                                                                                            | 83942437                                                    |
| <br><b>Micro-scissors "Metzenbaum"</b> , curved<br>double jaw action,<br>JL= 18 mm | 8393.044               | •         | •                                                                                                                                                            | 83930447                                                    |

\* JL = Jaw length when jaws closed (approximate measurements)

HF connecting cable see page 85.

# ERAGON<sup>modular</sup>

## modular scissors 5 mm

|                                                                                                                                                                                   |       |                                                                                                                                                                                          |                                                                                                                                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| <div></div> <div>All jaw inserts and sheaths can also be combined with <b>ERAGONaxial</b>.</div> |       | <div>Handle type</div> <div>HF / mono</div> <div></div> <div>without locking mechanism, rotatable</div> | <div>Knob attachment, ERAGONaxial</div> <div></div> |
|                                                                                                                                                                                   | Types | 83930083                                                                                                                                                                                 | 8988                                                                                                                                   |

| Jaw insert                                                                                                                                                  | Sheath tube, insulated |           | Handle type                                                                                                                               | Complete instrument                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
|                                                                                                                                                             | WL 330 mm              | WL 450 mm |                                                                                                                                           |                                      |
| <br>JL*                                                                    |                        |           | HF / mono<br><br>without locking mechanism, rotatable | • Jaw Insert<br>• Sheath<br>• Handle |
| Types                                                                                                                                                       | 8393933                | 8394933   | 83930073                                                                                                                                  | Types                                |
| <br><b>Scissors</b> slimline, straight, double jaw action, JL= 20 mm     | 8393.045               | •         | •                                                                                                                                         | 83930457                             |
| <br><b>Scissors</b> fine-toothed, curved, double jaw action, JL= 26 mm   | 8393246                | •         | •                                                                                                                                         | 83932467                             |
|                                                                                                                                                             | 8394246                | •         | •                                                                                                                                         | 83942467                             |
| <br><b>Scissors</b> fine-toothed, fine tip, double jaw action, JL= 22 mm | 8393248                | •         | •                                                                                                                                         | 83932487                             |
|                                                                                                                                                             | 8394248                | •         | •                                                                                                                                         | 83942487                             |

\* JL = Jaw length when jaws closed (approximate measurements)

HF connecting cable see page 85.

# ERAGON<sup>modular</sup>

## modular scissors 5 mm

|                                                                                                                                                                                   |       |                                                                                                                                                                   |                                                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| <div></div> <div>All jaw inserts and sheaths can also be combined with <b>ERAGONaxial</b>.</div> |       | Handle type                                                                                                                                                       | Knob attachment, ERAGONaxial<br> |
|                                                                                                                                                                                   |       | <div>HF / mono</div> <div></div> <div>without locking mechanism, rotatable</div> |                                                                                                                     |
|                                                                                                                                                                                   | Types | 83930083                                                                                                                                                          | 8988                                                                                                                |

| Jaw insert<br><br>JL*                                               | Sheath tube, insulated |           | Handle type<br>HF / mono<br><br>without locking mechanism, rotatable | Complete instrument<br>• Jaw Insert<br>• Sheath<br>• Handle |
|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
|                                                                                                                                                      | WL 330 mm              | WL 450 mm |                                                                                                                                                          |                                                             |
| Types                                                                                                                                                | 8393933                | 8394933   | 83930073                                                                                                                                                 | Types                                                       |
| <br><b>Hook Scissors</b> , serrated, single jaw action, JL= 14 mm | 8393.081               | •         | •                                                                                                                                                        | 83930817                                                    |
|                                                                                                                                                      | 8394.081               | •         | •                                                                                                                                                        | 83940817                                                    |

\* JL = Jaw length when jaws closed (approximate measurements)

HF connecting cable see page 85.

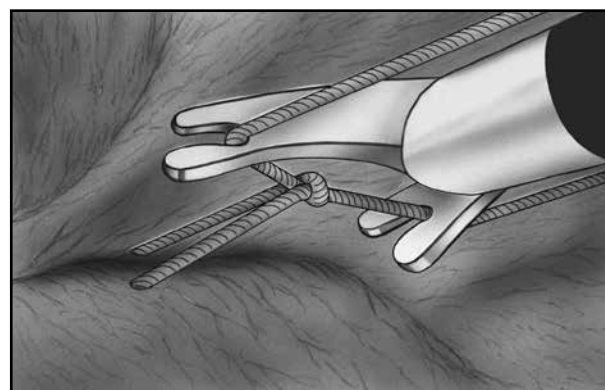
# ERAGON<sup>modular</sup>

## modular knot pusher 5 mm

| <br><br>All jaw inserts and sheaths can also be combined with <b>ERAGONaxial</b> . | Handle type                                                                                                            |                                                                                                                              | Knob attachment, ERAGONaxial                                                        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                                                                                                                                                     | <br>with locking mechanism, rotatable | <br>with locking mechanism, non rotatable |  |
| Types                                                                                                                                                               | 83930082                                                                                                               | 83930085                                                                                                                     | 8988                                                                                |

| Jaw insert<br><br><br>JL*                                                                | Sheath tube, insulated |           | Handle type<br><br><br>with locking mechanism, rotatable | Complete instrument<br>• Jaw Insert<br>• Sheath<br>• Handle |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
|                                                                                                                                                                           | WL 330 mm              | WL 450 mm |                                                                                                                                              |                                                             |
| Types                                                                                                                                                                     | 8393933                | 8394933   | 83930072                                                                                                                                     | Types                                                       |
| <br><b>Extracorporeal knot pusher</b> , with distal fork, double jaw action, JL= 17 mm | 8393.345               | •         | •                                                                                                                                            | 83933457                                                    |
|                                                                                                                                                                           | 8394345                | •         | •                                                                                                                                            | 83943457                                                    |

\* JL = Jaw length when jaws closed (approximate measurements)



Extracorporeal knotting technique

# ERAGON<sup>modular</sup>

## Gastric Band Manipulator 5 mm

| <br>All jaw inserts and sheaths can also be combined with ERAGONaxial. | Handle type |                                                                                                                        | Knob attachment, ERAGONaxial                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                         | Types       | 83930082                                                                                                               | 83930085                                                                                                                     |
|                                                                                                                                                         |             | <br>with locking mechanism, rotatable | <br>with locking mechanism, not rotatable |
|                                                                                                                                                         |             |                                                                                                                        | <br>8988                                  |

| Jaw insert                                                                                                                 | Sheath tube, insulated |           | Handle type                                                                                                              | Complete instrument                  |
|----------------------------------------------------------------------------------------------------------------------------|------------------------|-----------|--------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| <br>JL*                                   | WL 330 mm              | WL 450 mm | <br>with locking mechanism, rotatable | • Jaw insert<br>• Sheath<br>• Handle |
|                                                                                                                            | Types                  | 8393933   | 8394933                                                                                                                  | Types                                |
| <br>Gastric band manipulator, JL= 45 mm | 8393253                | ●         | ●                                                                                                                        | 83932537                             |
|                                                                                                                            | 8394253                |           | ●                                                                                                                        | 83942537                             |

\* JL = Jaw length when jaws closed (approximate measurements)

ERAGONmodular

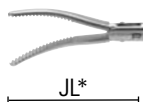
sheath tube with cm scale

|                                                                                                                                                                                                                     |      |        |         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------|---------|
| <div><br/>8393932</div> <div><br/>8394932</div> |      |        |         |
|                                                                                                                                                                                                                     | Ø    | WL     | Types   |
| <div><br/>ERAGONmodular sheath tube,<br/>monopolar, with distal cm scale</div>                                                    | 5 mm | 330 mm | 8393932 |
|                                                                                                                                                                                                                     |      | 450 mm | 8394932 |

# ERAGON<sup>modular</sup>

## modular instruments 10 mm

| ERAGON <sup>axial</sup>                                            | Handle type                                                                       |                                                                                     | Knob attachment, ERAGONaxial                                                        |
|--------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                                                    | with locking mechanism, rotatable                                                 | with locking mechanism, non rotatable                                               |                                                                                     |
| All jaw inserts and sheaths can also be combined with ERAGONaxial. |  |  |  |
| Types                                                              | 83930082                                                                          | 83930085                                                                            | 8988                                                                                |

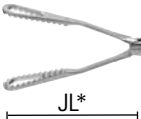
| Jaw insert                                                                                                                                                                                                                       | Sheath tube, non-insulated |           | Handle type                                                                                                              | Complete instrument                                                                                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------|--------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                  | WL 330 mm                  | WL 450 mm |                                                                                                                          |                                                                                                    |
| <br>JL*                                                                                                                                         |                            |           | <br>with locking mechanism, rotatable | <ul style="list-style-type: none"> <li>• Jaw Insert</li> <li>• Sheath</li> <li>• Handle</li> </ul> |
| Types                                                                                                                                                                                                                            | 8395902                    | 8396902   | 83930072                                                                                                                 | Types                                                                                              |
| <br><b>Grasping and dissecting forceps "Maryland"</b> , double jaw action, JL= 36 mm                                                          | 8395.225                   | ●         | ●                                                                                                                        | 83952257                                                                                           |
|                                                                                                                                                                                                                                  | 8396225                    | ●         | ●                                                                                                                        | 83962257                                                                                           |
| <br><b>Dissecting forceps "Maryland"</b> , right angled, both jaw action, JL= 35 mm                                                           | 8395.226                   | ●         | ●                                                                                                                        | 83952268                                                                                           |
|                                                                                                                                                                                                                                  | 8396226                    | ●         | ●                                                                                                                        | 83962267                                                                                           |
| <br><b>Atraumatic grasping forceps "Babcock"</b> , large distal grasping surface with fine horizontal serration, double jaw action, JL= 42 mm | 8395.187                   | ●         | ●                                                                                                                        | 83951877                                                                                           |
|                                                                                                                                                                                                                                  | 8396187                    | ●         | ●                                                                                                                        | 83961877                                                                                           |
| <br><b>Atraumatic grasping forceps "Babcock"</b> , double jaw action, JL= 38 mm                                                               | 8395.214                   | ●         | ●                                                                                                                        | 83952148                                                                                           |

\* JL = Jaw length when jaws closed (approximate measurements)

# ERAGON<sup>modular</sup>

## modular instruments 10 mm

| <br><br>All jaw inserts and sheaths can also be combined with ERAGONaxial. | Handle type                                                                       |                                                                                     | Knob attachment, ERAGONaxial<br><br> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                             |  |  |                                                                                                                         |
|                                                                                                                                                             | with locking mechanism, rotatable                                                 | with locking mechanism, non rotatable                                               |                                                                                                                         |
| Types                                                                                                                                                       | 83930082                                                                          | 83930085                                                                            | 8988                                                                                                                    |

| Jaw insert<br><br>                                                           | Sheath tube, non-insulated |           | Handle type<br><br> | Complete instrument<br>• Jaw Insert<br>• Sheath<br>• Handle |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------|--------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
|                                                                                                                                                               | WL 330 mm                  | WL 450 mm |                                                                                                        |                                                             |
| Types                                                                                                                                                         | 8395902                    | 8396902   | 83930072                                                                                               | Types                                                       |
| <br>Atraumatic plate-shaped grasping forceps, double jaw action, JL= 50 mm | 8395.234                   | ●         | ●                                                                                                      | 83952347                                                    |
|                                                                                                                                                               | 8396234                    | ●         | ●                                                                                                      | 83962347                                                    |
| <br>Grasping forceps, with alligator jaws double jaw action, JL= 20 mm     | 8395.236                   | ●         | ●                                                                                                      | 83952368                                                    |
|                                                                                                                                                               | 8396236                    | ●         | ●                                                                                                      | 83962367                                                    |
| <br>Grasping forceps, 2/3 claws, JL= 49 mm                                 | 8395.204                   | ●         | ●                                                                                                      | 83952048                                                    |
|                                                                                                                                                               | 8396204                    | ●         | ●                                                                                                      | 83952047                                                    |

\* JL = Jaw length when jaws closed (approximate measurements)

# ERAGON<sup>modular</sup>

## modular instruments 10 mm

| <br><br>All jaw inserts and sheaths can also be combined with <b>ERAGONaxial</b> . | Handle type                                                                                                            |                                                                                                                              | Knob attachment, <b>ERAGONaxial</b><br><br> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                     | <br>with locking mechanism, rotatable | <br>with locking mechanism, non rotatable |                                                                                                                                |
| Types                                                                                                                                                               | 83930082                                                                                                               | 83930085                                                                                                                     | 8988                                                                                                                           |

| Jaw insert                                                                                                                                                                               | Sheath tube, non-insulated |         | Handle type                       | Complete instrument <ul style="list-style-type: none"><li>• Jaw Insert</li><li>• Sheath</li><li>• Handle</li></ul> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------|-----------------------------------|--------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                          | WL 330 mm                  |         | with locking mechanism, rotatable |                                                                                                                    |
|                                                                                                                                                                                          | Types                      | 8395902 | 83930072                          | Types                                                                                                              |
| <br><b>Claw-type grasping forceps</b> , with an additional row of teeth, double jaw action, JL= 38 mm | 8395490                    | ●       | ●                                 | 83954907                                                                                                           |
| <br><b>Claw grasping forceps</b> , double jaw action, JL= 38 mm                                       | 8395.489                   | ●       | ●                                 | 83954897                                                                                                           |
| <br><b>Spoon forceps</b> , JL= 31 mm                                                                  | 8395.244                   | ●       | ●                                 | 83952448                                                                                                           |

\* JL = Jaw length when jaws closed (approximate measurements)

# ERAGON<sup>modular</sup>

## modular instruments 10 mm

| Jaw insert                                                                                                                                |          | Sheath tube,<br>non-insulated                                                                     | Handle type                                                                                                                          | Complete<br>instrument               |
|-------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
|                                                          |          | <br>WL<br>380 mm | <br>with locking mechanism<br>without HF connector | • Jaw insert<br>• Sheath<br>• Handle |
| Types                                                                                                                                     |          | 8397902                                                                                           | 83930082                                                                                                                             | Types                                |
| <br><b>Anvil Grasper</b><br>30° angled,<br>double-action | 8397.655 | ●                                                                                                 | ●                                                                                                                                    | 83976558                             |

\* JL = Jaw length when jaws closed (approximate measurements)

## Handle Type for modular systems

| Handle type<br><b>ERAGON</b> <sub>modular</sub>                                    | mechanism,<br>rotatable | with locking | without<br>locking | with HF | without HF | Types    |
|------------------------------------------------------------------------------------|-------------------------|--------------|--------------------|---------|------------|----------|
|   | •                       | •            |                    |         | •          | 83930072 |
|   | •                       |              | •                  | •       |            | 83930073 |
|  | •                       | •            |                    | •       |            | 83930074 |

| Handle type<br><b>ERAGON</b> <sub>axial</sub>                                       | mechanism,<br>rotatable | with locking | without<br>locking | with HF | without HF | Types    |
|-------------------------------------------------------------------------------------|-------------------------|--------------|--------------------|---------|------------|----------|
|  | •                       | •            |                    |         | •          | 83930082 |
|  | •                       |              | •                  | •       |            | 83930083 |
|  | •                       | •            |                    | •       |            | 83930084 |
|  |                         | •            |                    |         | •          | 83930085 |



Optional for 83930082 / 83930083 / 83930084:

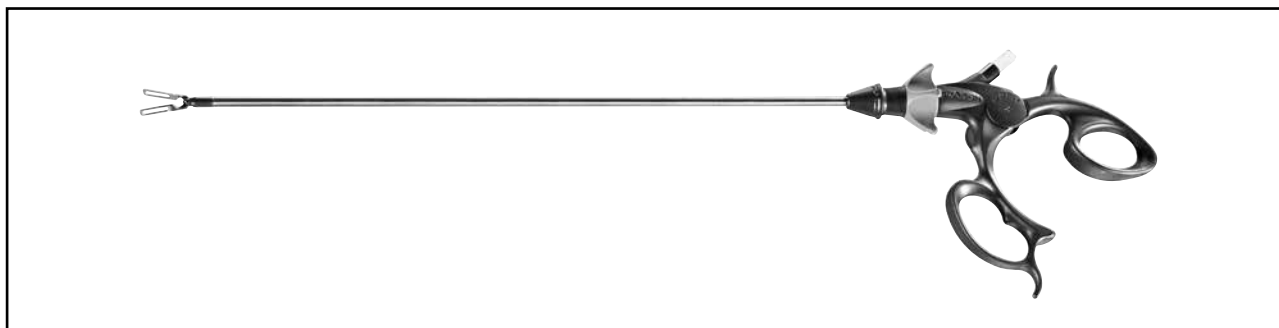
**Knob attachment**

ERAGONaxial..... **8988**

All **ERAGON**<sub>modular</sub> components are  
compatible with **ERAGON**<sub>axial</sub>

# ERAGON bipolar

modular bipolar instruments, 5.5 mm, rotatable



| Jaw insert                                                                                                                                                |  | Sheath       |  | Complete instrument <ul style="list-style-type: none"><li>• Jaw Insert</li><li>• Sheath</li><li>• Handle</li></ul> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                           |                                                                                   | WL<br>330 mm |                                                                                     |                                                                                                                    |
|                                                                                                                                                           | Types                                                                             | 83930921     | 839300102                                                                           | Types                                                                                                              |
| <br>Grasping and dissecting forceps<br>"Maryland-Dissector", JL= 21 mm | 83930031                                                                          | ●            | ●                                                                                   | 839300312                                                                                                          |
| <br>Grasping and dissecting forceps<br>"Maryland-Dissector", JL= 23 mm | 83930032                                                                          | ●            | ●                                                                                   | 839300322                                                                                                          |
| <br>Grasping and dissecting forceps<br>"Dolpin", JL= 21 mm             | 83930033                                                                          | ●            | ●                                                                                   | 839300332                                                                                                          |
| <br>Grasping forceps, fenestrated,<br>JL= 23 mm                        | 83930034                                                                          | ●            | ●                                                                                   | 839300342                                                                                                          |
| <br>Dissecting forceps "Hasskamp",<br>JL= 19 mm                        | 83930035                                                                          | ●            | ●                                                                                   | 839300352                                                                                                          |

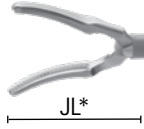
\* JL = Jaw length when jaws closed (approximate measurements)

Bipolar cable see page 86.

## ERAGON<sup>bipolar</sup>

modular bipolar instruments, 5.5 mm, rotatable

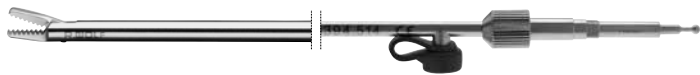


| Jaw insert                                                                                                            |  | Sheath       |  | Complete instrument<br>• Jaw Insert<br>• Sheath<br>• Handle |
|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------|
|                                                                                                                       |                                                                                   | WL<br>330 mm |                                                                                     |                                                             |
|                                                                                                                       | Types                                                                             | 83930921     | 839300102                                                                           | Types                                                       |
| <br>Metzenbaum scissors, JL= 22 mm | 83930041                                                                          | ●            | ●                                                                                   | 839300412                                                   |

\* JL = Jaw length when jaws closed (approximate measurements)

Bipolar cable see page 86.

# Needle Holder 3.5 mm / 5 mm modular system

| Inner section with sheath tube and irrigation tap                                                                                                         |          |        |        | Axial handle                                                                                                                                                                                         | Complete instrument                                                                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
|                                                                          |          |        |        |  <ul style="list-style-type: none"> <li>• one jaw opening</li> <li>• locking mechanism can be disabled</li> </ul> | <ul style="list-style-type: none"> <li>• Inner section with sheath tube</li> <li>• Handle</li> </ul> |
|                                                                                                                                                           | Types    | Ø      | WL     | 8393.941                                                                                                                                                                                             | Types                                                                                                |
|  <p><b>Modular needle holder</b>, straight with carbide insert</p>       | 8391.504 | 3.5 mm | 310 mm | ●                                                                                                                                                                                                    | 8391.501                                                                                             |
|  <p><b>Modular needle holder</b>, straight for straight needles</p>     | 8393.504 | 5 mm   | 310 mm | ●                                                                                                                                                                                                    | 8393.501                                                                                             |
|  <p><b>Modular needle holder</b>, straight with carbide insert</p>     | 8393.505 | 5 mm   | 310 mm | ●                                                                                                                                                                                                    | 8393.502                                                                                             |
|                                                                                                                                                           | 8394.505 | 5 mm   | 430 mm | ●                                                                                                                                                                                                    | 8394.502                                                                                             |
|  <p><b>Modular needle holder</b>, curved right with carbide insert</p> | 8393.514 | 5 mm   | 310 mm | ●                                                                                                                                                                                                    | 8393.511                                                                                             |
|                                                                                                                                                           | 8394.514 | 5 mm   | 430 mm | ●                                                                                                                                                                                                    | 8394.511                                                                                             |
|  <p><b>Modular needle holder</b>, curved left with carbide insert</p>  | 8393.515 | 5 mm   | 310 mm | ●                                                                                                                                                                                                    | 8393.512                                                                                             |
|                                                                                                                                                           | 8394.515 | 5 mm   | 430 mm | ●                                                                                                                                                                                                    | 8394.512                                                                                             |
|  <p><b>Modular multifunction* needle holder</b> by Sarbu</p>           | 8393.506 | 5 mm   | 310 mm | ●                                                                                                                                                                                                    | 8393.503                                                                                             |
|                                                                                                                                                           | 8394.506 | 5 mm   | 430 mm | ●                                                                                                                                                                                                    | 8394.503                                                                                             |

\* with automatic needle alignment mechanism and cutting edge

## Grasping Forceps, 5 mm

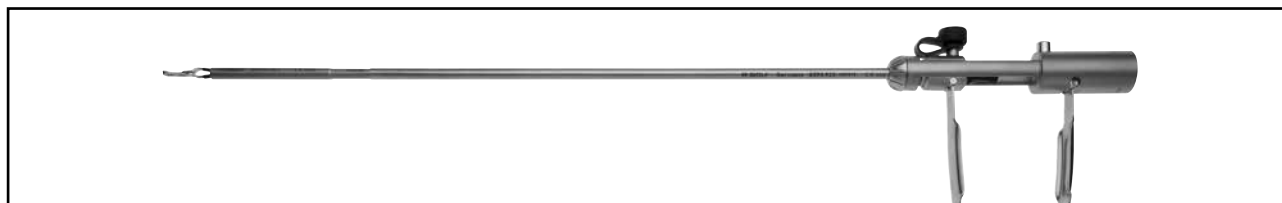
Single Piece Design, Slide-ratchet handle

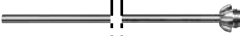
|                                                  |           |                  |                  |
|------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------|------------------|
| Instrument                                                                                                                         | 310 mm WL | Non-Rotatable    | Rotatable        |
| <br><b>Wave Side Grasper, single action jaw</b>   | •         | <b>8383.2927</b> | <b>8383.2925</b> |
| <br><b>Wave Side Grasper, double action jaw</b> | •         | <b>8383.2937</b> | <b>8383.2935</b> |
| <br><b>Retraction Grasper with two teeth</b>    | •         | <b>8383.4897</b> | <b>N/A</b>       |

Ergonomic handle with slide-ratchet for secure positioning of the jaw tip

## Bipolar Forceps 3.5 mm

with spring handle  
modular system



| Jaw insert                                                                         |          | Outer tube                                                                        | Screw-on cap with sleeve                                                           | Spring handle                                                                       | Complete instrument                                                                                                                   |
|------------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
|   |          |  |  |  | <ul style="list-style-type: none"> <li>• Jaw Insert</li> <li>• Outer tube</li> <li>• Screw-on cap</li> <li>• Spring handle</li> </ul> |
|                                                                                    |          | WL<br>340 mm                                                                      |                                                                                    |                                                                                     |                                                                                                                                       |
|                                                                                    | Types    | 8391.921                                                                          | 8393.978                                                                           | 8393.975                                                                            | Types                                                                                                                                 |
|  | 8391.715 | ●                                                                                 | ●                                                                                  | ●                                                                                   | N/A                                                                                                                                   |
| Bipolar forceps                                                                    |          |                                                                                   |                                                                                    |                                                                                     |                                                                                                                                       |

Spare parts:

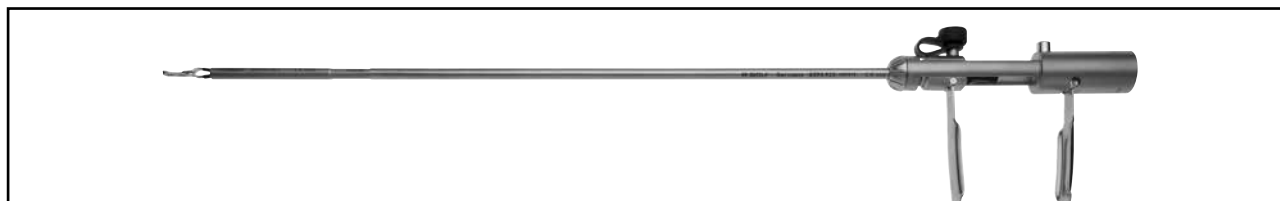
Rubber cap ..... 15220.019  
Luer sealing cap ..... 15023.153

Bipolar connecting cable see page 83.

# Bipolar Forceps 5 mm

with spring handle

modular system

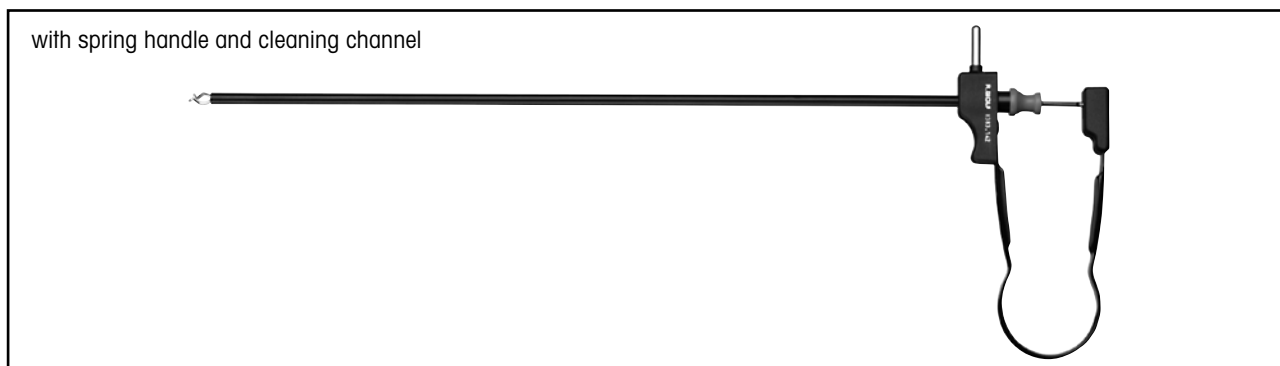


| Jaw insert                                                                          |          | Outer tube                                                                        | Screw-on cap with sleeve                                                           | Spring handle                                                                       | Complete instrument                                                                                                                   |
|-------------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
|    |          |  |  |  | <ul style="list-style-type: none"> <li>• Jaw Insert</li> <li>• Outer tube</li> <li>• Screw-on cap</li> <li>• Spring handle</li> </ul> |
|                                                                                     |          | WL<br>300 mm                                                                      |                                                                                    |                                                                                     |                                                                                                                                       |
|                                                                                     | Types    | 8393.923                                                                          | 8393.925                                                                           | 8393.975                                                                            | Types                                                                                                                                 |
|   | 8393.705 | ●                                                                                 | ●                                                                                  | ●                                                                                   | *                                                                                                                                     |
| Bipolar grasping forceps with Teflon tooth                                          |          |                                                                                   |                                                                                    |                                                                                     |                                                                                                                                       |
|  | 8393.714 | ●                                                                                 | ●                                                                                  | ●                                                                                   | 8393.741                                                                                                                              |
| Bipolar grasping forceps, Kleppinger principle                                      |          |                                                                                   |                                                                                    |                                                                                     |                                                                                                                                       |

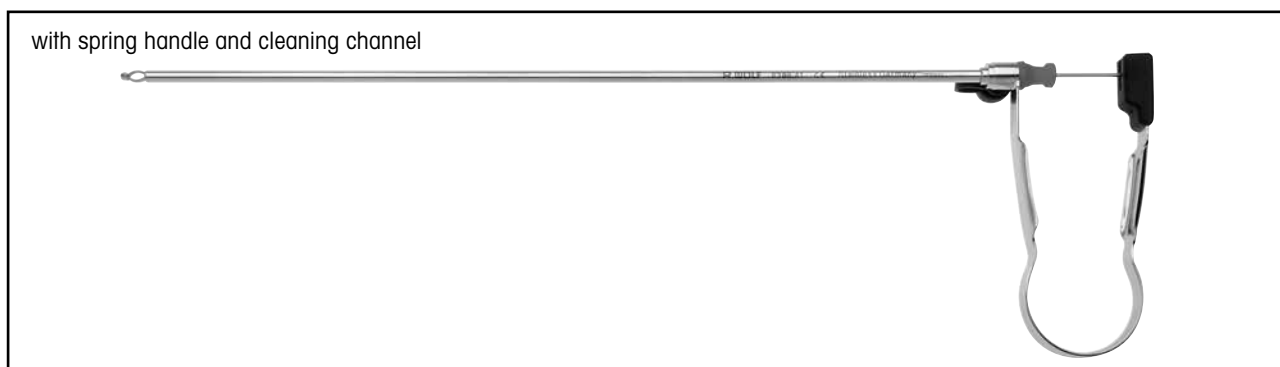
\*No bundle number available. Components need to be quoted separately.

Bipolar connecting cable see page 86.

## Grasping Forceps 5 mm



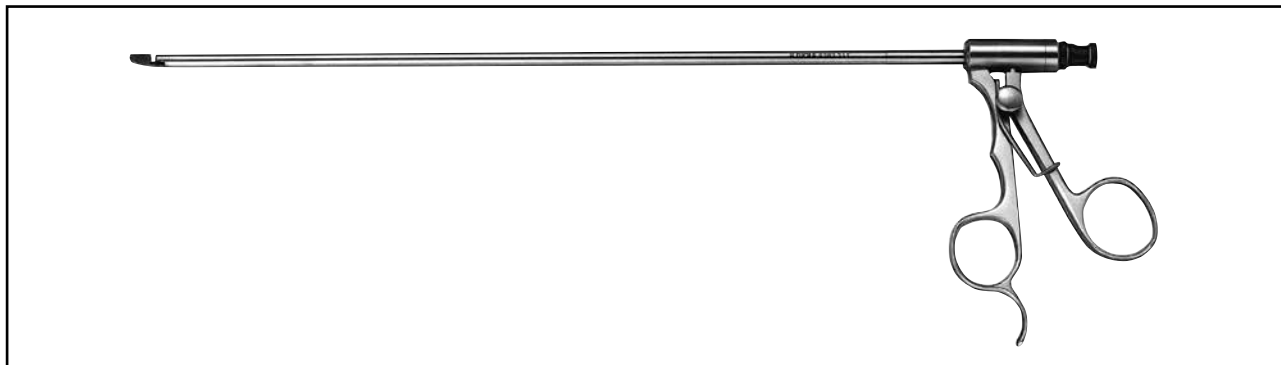
|                                                                                                                                          | WL<br>315 mm | Type            |
|------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------------|
| <br><b>Atraumatic grasping forceps, flat, monopolar</b> | •            | <b>8383.141</b> |



|                                                                                                                           | WL<br>310 mm | Type           |
|---------------------------------------------------------------------------------------------------------------------------|--------------|----------------|
| <br><b>Forceps with grooved plates</b> | •            | <b>8383.41</b> |

HF connecting cable see page 85.

## Cholangiography Catheter Grasping Forceps 5 mm

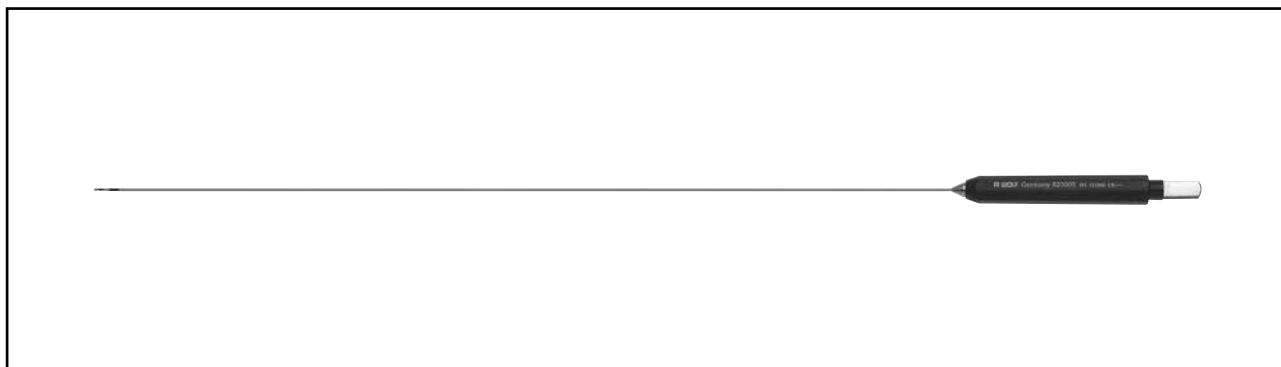


|                                                                                                                                            | WL<br>295 mm | Type            |
|--------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------------|
| <br><b>Grasping forceps, for cholangiography catheter</b> | ●            | <b>8383.311</b> |

For introducing a cholangiography catheter to 7 Fr. into the cystic duct.

## BipoTrode

### 1.6 mm / 5 Fr. Bipolar Electrode



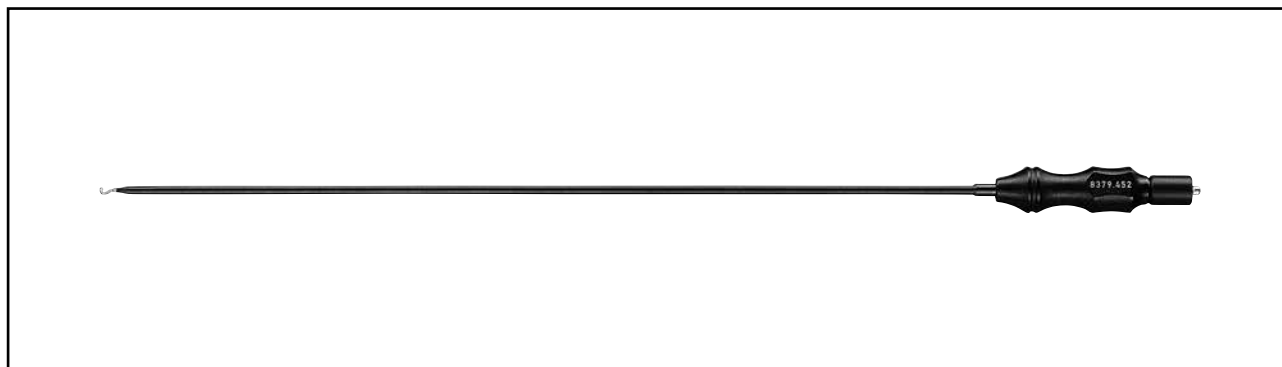
|                                                                                                                         | WL<br>360 mm | Type          |
|-------------------------------------------------------------------------------------------------------------------------|--------------|---------------|
| <br><b>BipoTrode bipolar electrode</b> | ●            | <b>823005</b> |

- ❑ For precise dissection, preparation and coagulation using saline destension media, also for use in laparoscopy (e.g. in combination with trocar sleeve 8309.072 with trocar 8309.121)
- ❑ Small diameter of 5 Fr. allows use with hysteroscopes
- ❑ Made of semiflexible stainless steel so can be used with bent working channels but preferably with straight working channels of the compact Richard WOLF hysteroscopes
- ❑ Robust and ergonomic handle

Electrodes 2 mm  
monopolar

|                                                                                    |                                                                                   |        |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------|
|  |                                                                                   |        |
|                                                                                    | WL<br>400 mm                                                                      | Type   |
|   |  | 823.06 |
| Coagulation button electrode                                                       |                                                                                   |        |

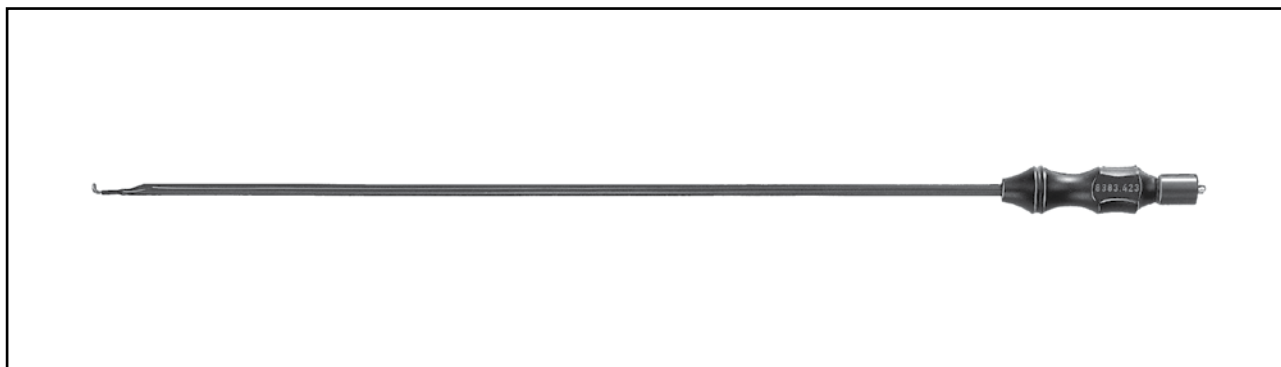
## Electrodes 3.5 mm monopolar



|                                                                                                                            | WL<br>340 mm | Types           |
|----------------------------------------------------------------------------------------------------------------------------|--------------|-----------------|
| <br><b>Hook electrode</b>                 | ●            | <b>8379.452</b> |
| <br><b>Needle electrode</b>             | ●            | <b>8379.482</b> |
| <br><b>Coagulation button electrode</b> | ●            | <b>8379.462</b> |

HF connecting cable see page 85.

## Electrodes 5 mm monopolar

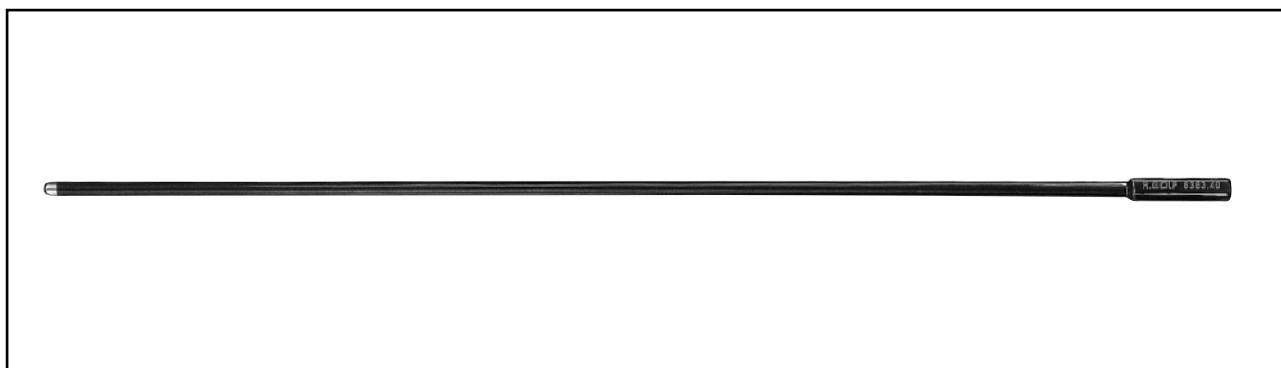


|                                                                                                          | WL<br>340 mm | WL<br>420 mm | WL<br>450 mm | Type     |
|----------------------------------------------------------------------------------------------------------|--------------|--------------|--------------|----------|
| <br>Hook electrode      | ●            |              |              | 8383.423 |
|                                                                                                          |              | ●            |              | 8384.423 |
| <br>J-Hook electrode  | ●            |              |              | 8383.425 |
|                                                                                                          |              | ●            |              | 8384.425 |
| <br>Myoma dissector   | ●            |              |              | 8383429  |
|                                                                                                          |              |              |              |          |
| <br>Needle electrode  | ●            |              |              | 8383.426 |
| <br>Spatula electrode | ●            |              |              | 8383.428 |

HF connecting cable see page 85.

## Electrodes 5 mm

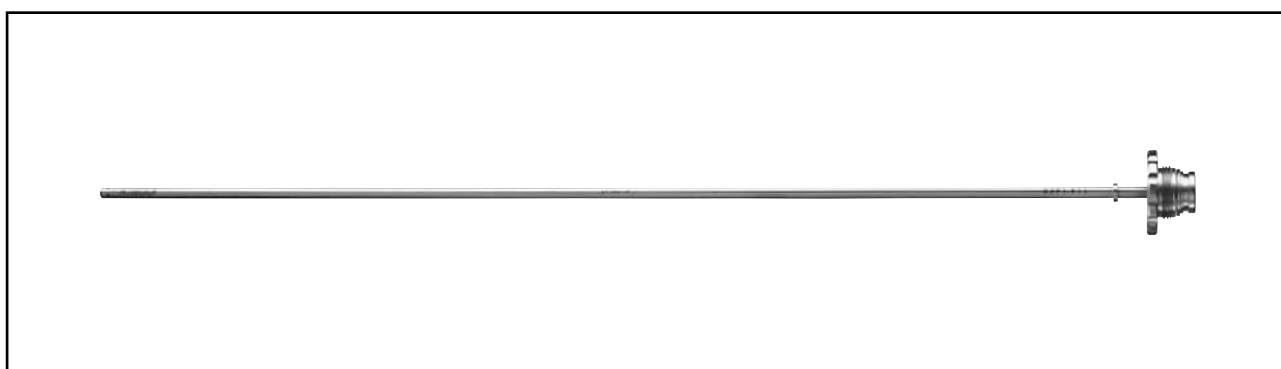
monopolar



|                                                                                   | WL<br>330 mm | WL<br>450 mm | Type           |
|-----------------------------------------------------------------------------------|--------------|--------------|----------------|
|  | •            |              | <b>8383.40</b> |
| <b>Button electrode</b>                                                           |              | •            | <b>8384.40</b> |

## Multifunction Suction-Irrigation System

Suction-irrigation tubes

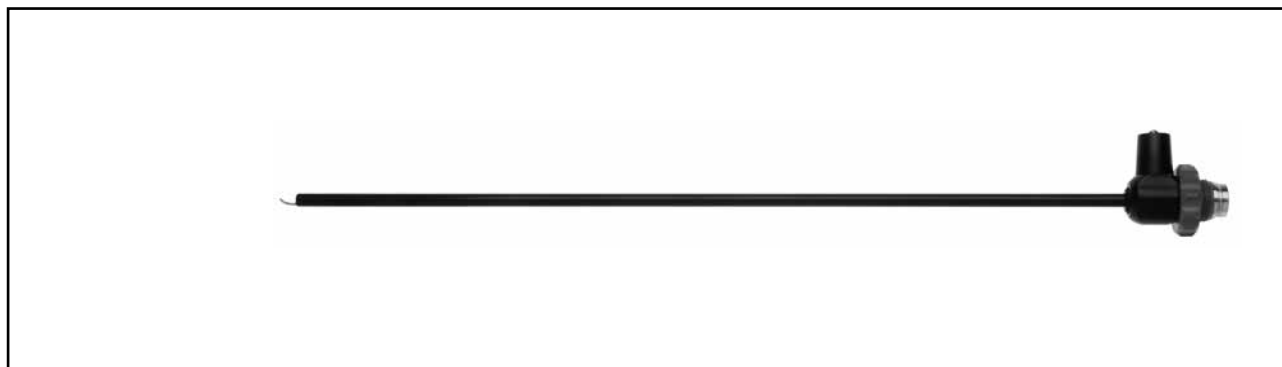


|                                                                                     | Ø      | WL     | Type            |
|-------------------------------------------------------------------------------------|--------|--------|-----------------|
|  | 3.5 mm | 300 mm | <b>8391.911</b> |
| <b>Suction-irrigation tube</b>                                                      |        |        |                 |

HF connecting cable see page 85.

## Multifunction Suction-Irrigation System

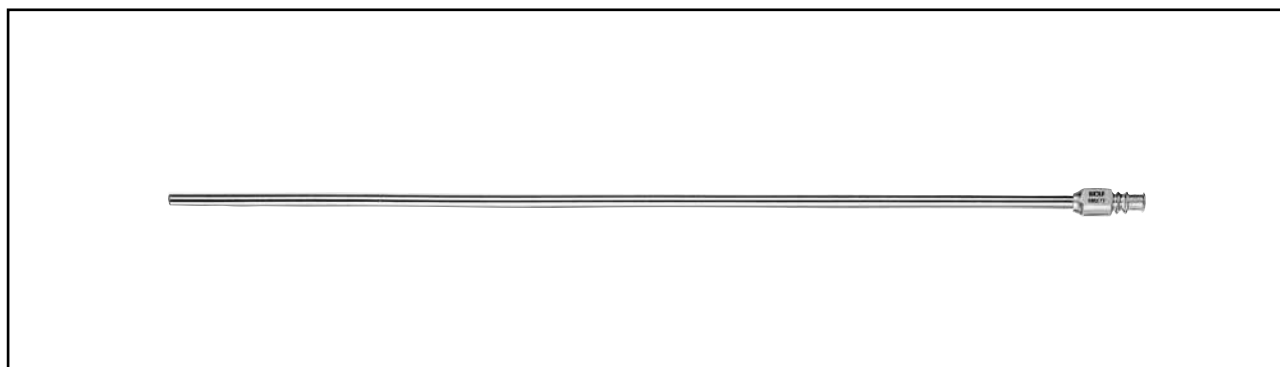
HF instruments, monopolar,  
with suction and irrigation channel



|                                                                                                                   | Ø    | WL     | Type            |
|-------------------------------------------------------------------------------------------------------------------|------|--------|-----------------|
| <br><b>HF spatula probe</b>      | 5 mm | 315 mm | <b>8383.811</b> |
| <br><b>HF hook electrode</b>   |      |        | <b>8383.812</b> |
| <br><b>HF button electrode</b> |      |        | <b>8383.813</b> |

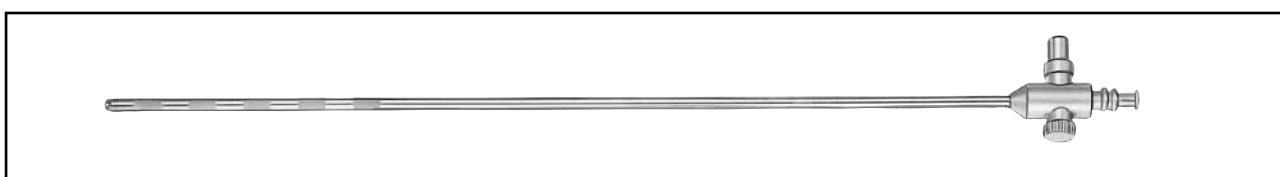
HF connecting cable see page 85.

## Suction-Irrigation Tubes 5 mm with Luer connector



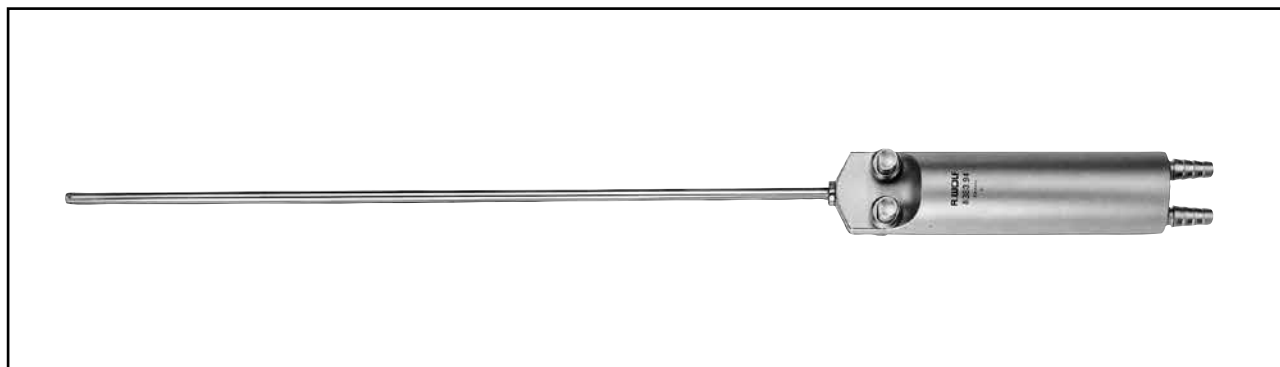
|                                                                                                                                                                              | Working Length | Type           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------|
| <br><b>Suction-irrigation tube</b><br>with Luer connector 4 mm capacity and distal openings | 300 mm         | <b>8383.51</b> |
| <br><b>Suction tube</b><br>with Luer connector 3 mm capacity                              | 330 mm         | <b>8383.72</b> |

## Suction Tube 5 mm with Luer connector and one valve



|                                                                                                                                                   | Working Length | Type           |
|---------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------|
| <br><b>Suction tube</b><br>graduated, with Luer connector 3 mm | 330 mm         | <b>8383.68</b> |
|                                                                                                                                                   | 445 mm         | <b>8384.68</b> |

## Combination Suction and Irrigation Tube 5 mm with two stop valves



|                                                                                                                                                         | WL<br>300 mm | Type           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------------|
| <br><b>Combination suction and irrigation tube</b><br>with stop valves | ●            | <b>8383.94</b> |

## Coagulation-Suction Tubes 5 mm monopolar

with Luer connector and one valve



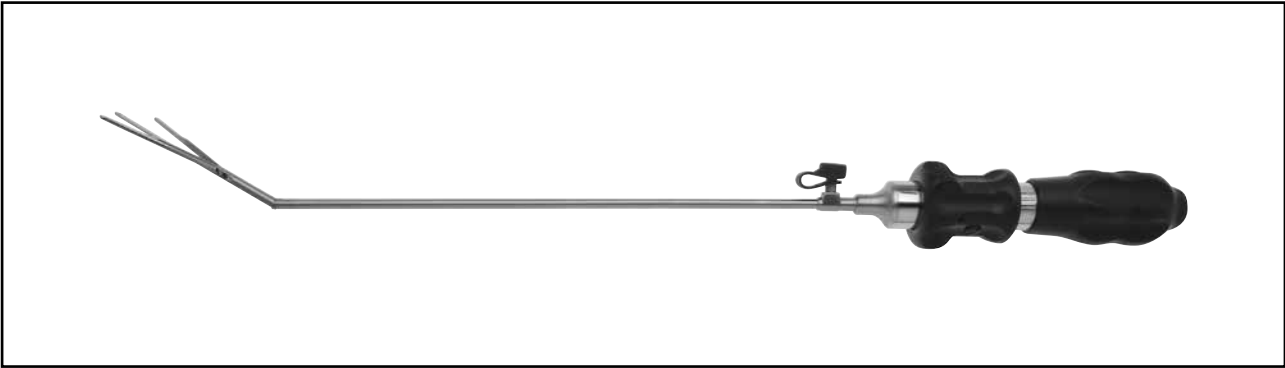
|                                                                                                                                                             | WL<br>315 mm | WL<br>450 mm | Types           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------|-----------------|
| <br><b>Coagulation-suction tube</b> , with Luer connector, capacity 3 mm | ●            |              | <b>8383.71*</b> |
|                                                                                                                                                             |              | ●            | <b>8384.71*</b> |

\*HF connecting cables:

**Wolf to Valleylab/ERBE** ..... **815.033**

**Wolf to ERBE T-series/Wolf** ..... **815.132**

Tissue Retractor 5 mm



|                                                                                                                  | WL<br>320 mm | Type     |
|------------------------------------------------------------------------------------------------------------------|--------------|----------|
| <br>Tissue retractor, straight | ●            | 8383.691 |

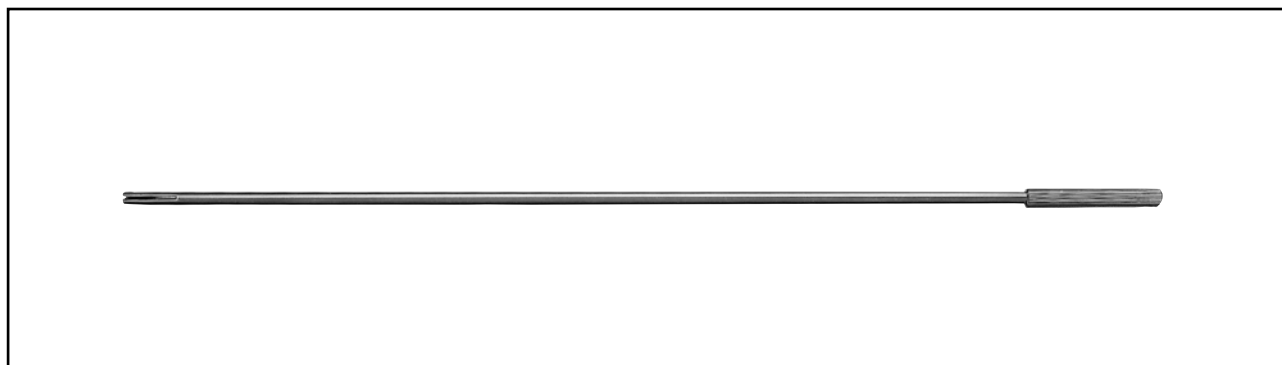
- ❑ The extended hand of the surgeon
- ❑ Held in one hand
- ❑ Simple manipulation of tissue and organs
- ❑ Better view of concealed or difficult to access areas

Introducing Sleeve 10 mm

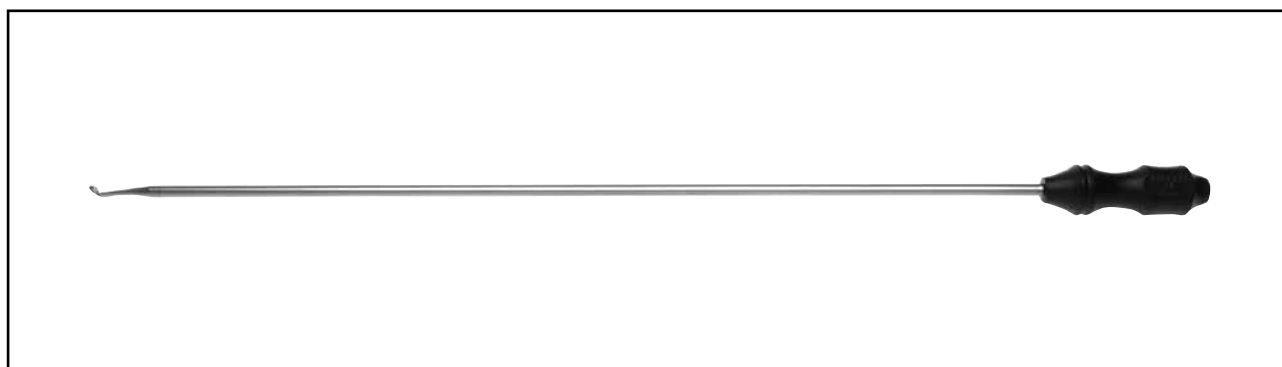
|                                                                                   |                                                       | Type            |
|-----------------------------------------------------------------------------------|-------------------------------------------------------|-----------------|
|  | <b>Introducing sleeve</b> with sealing cap<br>(89.08) | <b>8389.991</b> |

## Knot Pusher 5 mm

for endoscopic suturing

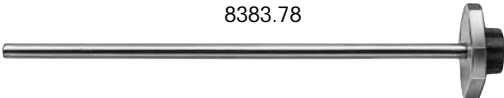


|                                                                                                                                     | WL<br>330 mm | Type           |
|-------------------------------------------------------------------------------------------------------------------------------------|--------------|----------------|
| <br><b>Knot pusher</b> , for intra-abdominal knots | ●            | <b>8383.55</b> |



|                                                                                                                                                                                                                                              | WL<br>330 mm | Type            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------------|
| <br><b>Extracorporeal knot pusher by Bueß</b><br>with distal notch and lateral opening for optimum knotting,<br>extremely atraumatic tip for use as probe | ●            | <b>8383.552</b> |

## Applicator / Ligature Loops, 5 mm for endoscopic suturing

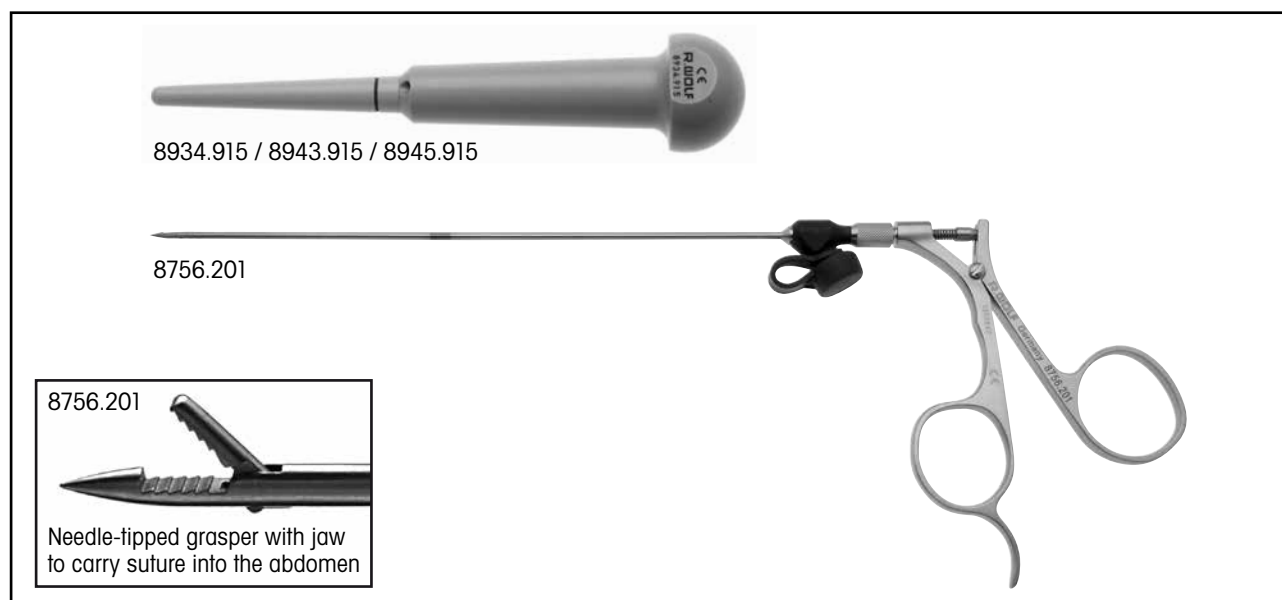
|  |                |                |
|------------------------------------------------------------------------------------|----------------|----------------|
| Instrument                                                                         | Working Length | Type           |
| <b>Applicator, with sealing cap*</b>                                               | 155 mm         | <b>8383.78</b> |

\*For ligature loops or for introducing a suture with the 3 mm needle holder

**Replacement sealing caps, pkg. of 12, blue ..... 89.02**

# Trocar-Site Closure Device for visualized Fascia Closure

by Busche



The extended tip of the device allows easy insertion of the cone which then effectively plugs the hole left when the cannula is removed. This preserves the pneumoperitoneum which can be maintained to ensure a safe distance between abdominal wall and the organs. The marking on the cone indicates the ideal position of placement for the ligature.

A suture is grasped with the special grasper and passed through the hole in the cone. This traverses the muscle, fascia and peritoneal layers. The suture is released inside the peritoneal cavity. To complete the stitch on the other side, the device is kept in place and turned through 180°. The grasper is reinserted and the intraperitoneal end of the suture is grasped and withdrawn from the peritoneal cavity as the cone is removed. The suture is tied extracorporeal under direct visual control.

Additional application is suture ligation of bleeding inferior epigastric vessels by using just the needle tipped grasper.

## Closure cone

|                  |                 |
|------------------|-----------------|
| 10 - 12 mm ..... | <b>8934.915</b> |
| 12 - 15 mm ..... | <b>8943.915</b> |
| 15 - 20 mm ..... | <b>8945.915</b> |

## Needle-tipped grasper

|                                                                      |                 |
|----------------------------------------------------------------------|-----------------|
| with jaw to carry suture, Ø 2 mm, WL 160 mm, with rinsing port ..... | <b>8756.201</b> |
|----------------------------------------------------------------------|-----------------|

## Facial closure kit bundle..... **8756.205**

consisting of:

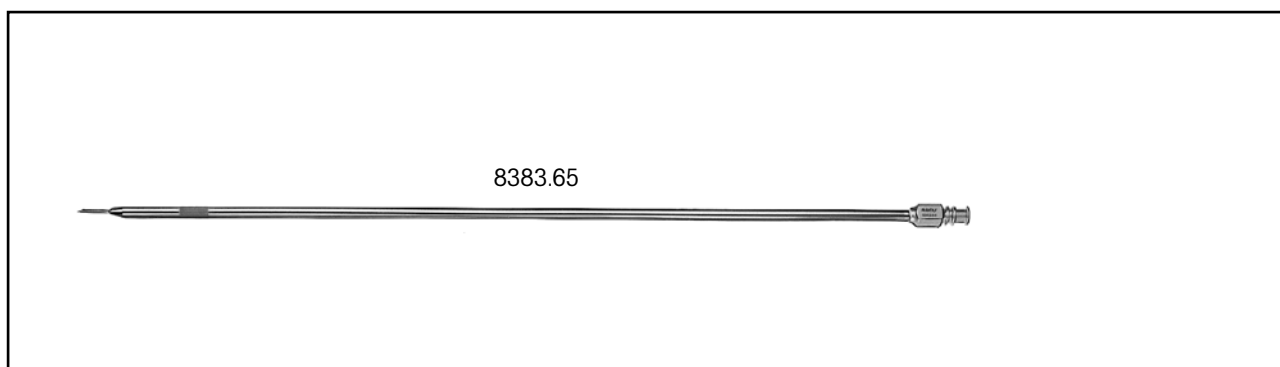
Facial closure tray (8585091M), needle forceps Ø 2.45 mm WL 160mm (8756.201),  
sealing cone Ø 10-12 mm (8934.915), sealing cone Ø 12-15 mm (8943.915),  
sealing cone Ø 15-20 mm (8945.915).

# Injection/Aspiration Cannulas 2 mm / 3 mm with Luer connector



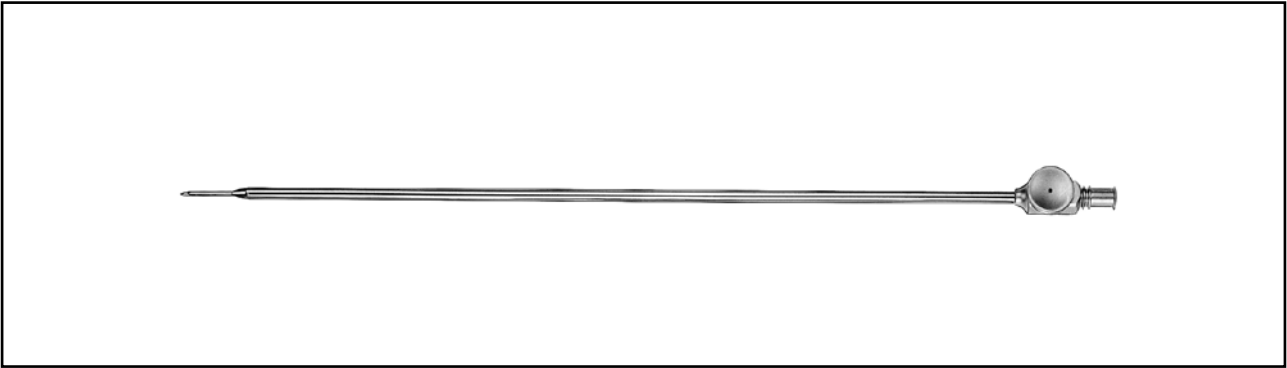
|                                                                                                                              | Ø      | WL<br>240 mm | Type            |
|------------------------------------------------------------------------------------------------------------------------------|--------|--------------|-----------------|
| <br><b>Injection and aspiration cannula</b> | 3.0 mm | 310 mm       | <b>8379.732</b> |

# Injection/Aspiration Cannulas 5 mm with Luer connector



|                                                                                                                                          | Ø mm Tip   | WL<br>345 mm | Type           |
|------------------------------------------------------------------------------------------------------------------------------------------|------------|--------------|----------------|
| <br><b>Injection cannula with 3 mm Luer connector</b> | 1.8 (15 G) | ●            | <b>8383.65</b> |

Injection/Aspiration  
Coagulation 5 mm  
with suction control and Luer connector



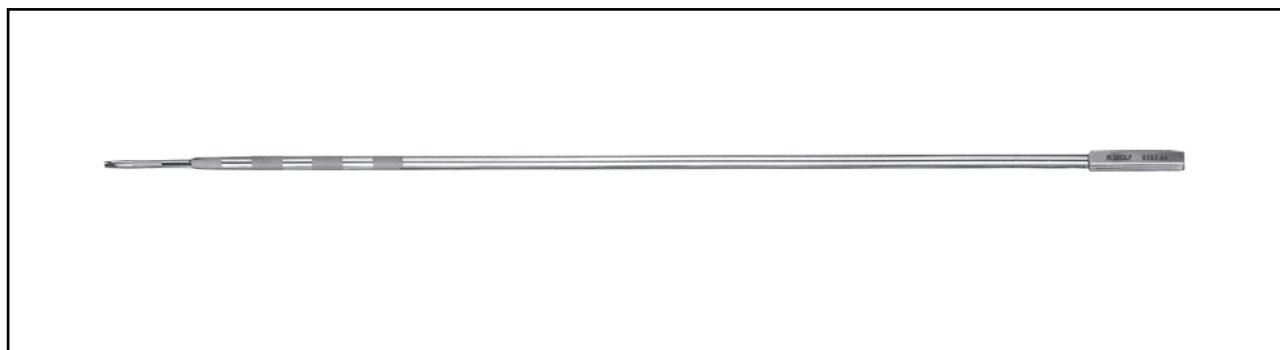
|                                                                                                                                                    | WL<br>315 mm | Type    |
|----------------------------------------------------------------------------------------------------------------------------------------------------|--------------|---------|
| <br>Puncture cannula with suction control and 4 mm Luer connector | ●            | 8383.49 |

Probe 3.5 mm



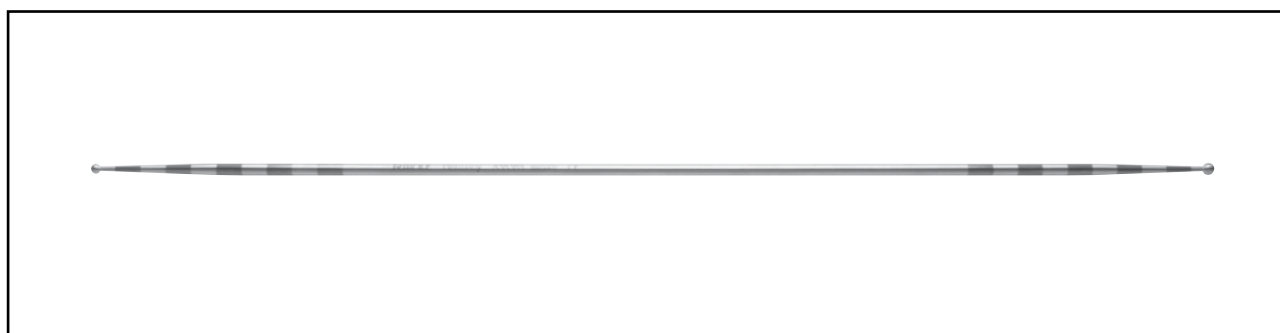
|                                                                                                                   | Ø mm Tip | WL     | Type     |
|-------------------------------------------------------------------------------------------------------------------|----------|--------|----------|
| <div><br/>Probe, graduated</div> | 3.5 mm   | 350 mm | 8379.672 |

## Probes/Manipulator 5 mm



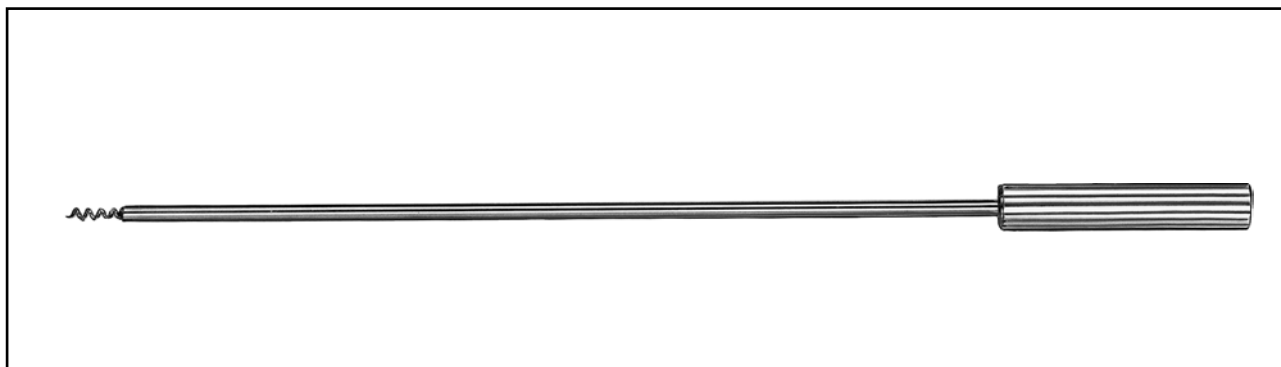
|                                                                                       | WL<br>320 mm | WL<br>445 mm | Type     |
|---------------------------------------------------------------------------------------|--------------|--------------|----------|
|      | ●            |              | 8383.661 |
| <b>Probe solid</b> , with centimeter markings up to 5 cm                              |              | ●            | 8384.661 |
|    |              | ●            | 8384.66  |
| <b>Probe</b> , graduated for palpitation and measurement                              |              | ●            | 8384.66  |
|    |              | ●            | 8384.662 |
| <b>Probe solid*</b> titanium (grey matte finish), with centimeter markings up to 5 cm |              | ●            | 8384.662 |

\* For use with lasers



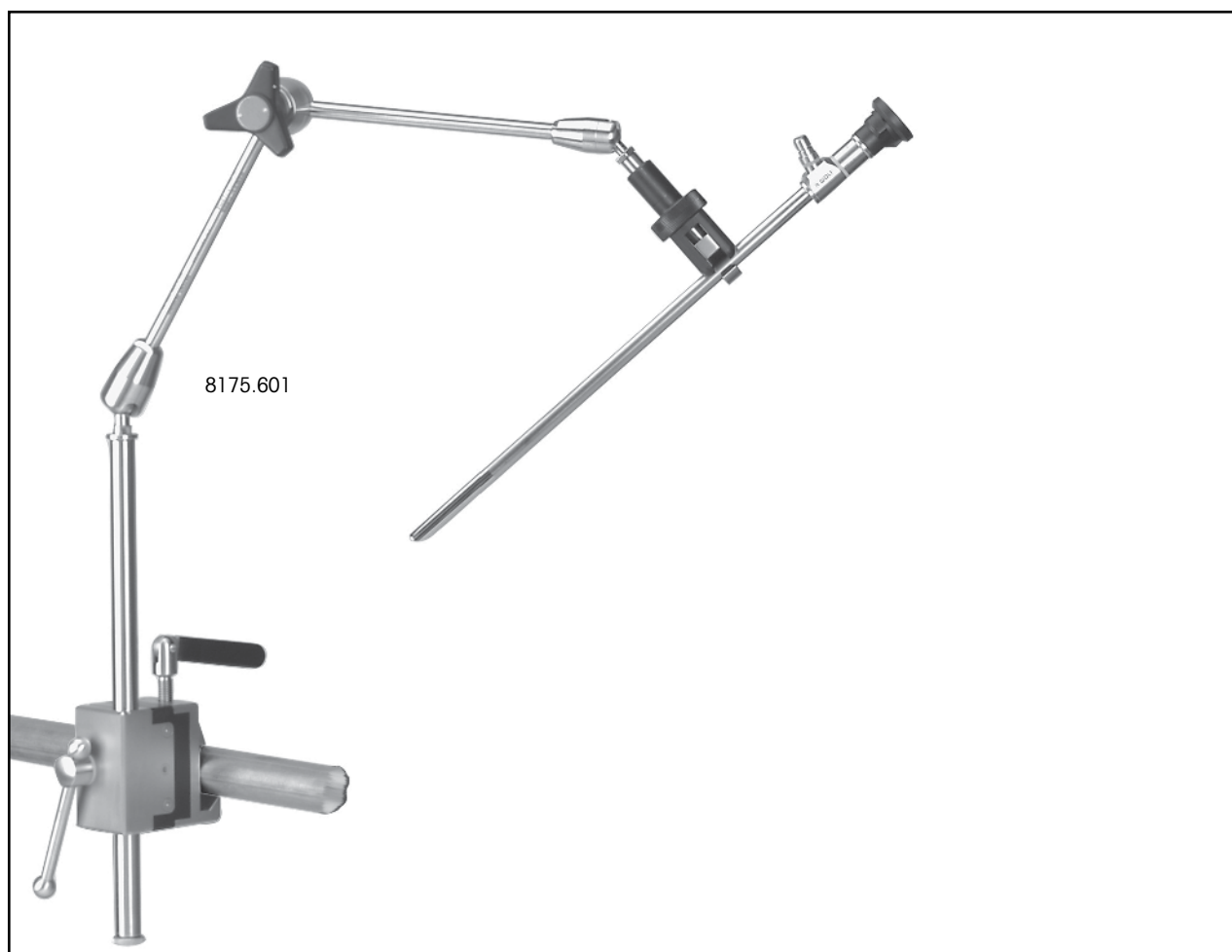
|                                                                                     | WL<br>330 mm | Type   |
|-------------------------------------------------------------------------------------|--------------|--------|
|  | ●            | 838369 |
| <b>Manipulator with spherical tips</b> , usable at ends, Ø 4 mm / Ø 5 mm            |              | 838369 |

## Myoma Screw 5 mm / 10 mm



|                                                                                                                | Ø     | WL     | Type            |
|----------------------------------------------------------------------------------------------------------------|-------|--------|-----------------|
| <br><b>Myoma screw, rigid</b> | 5 mm  | 340 mm | <b>8383.611</b> |
|                                                                                                                | 10 mm | 340 mm | <b>8385.301</b> |

## Scope / Instrument Holder



### **Articulating scope / instrument holder,\***

stabilizes laparoscopes, trocar sleeves and liver

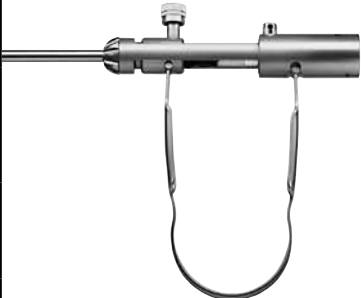
retractors to maintain their position .....8175.601

\*for use with instruments and scopes from 5 mm - 12 mm in diameter

## HF Monopolar Connecting Cables

| Connector for instrument                                                                                              | Connector for unit                                                                                      | Length | Types           |
|-----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|--------|-----------------|
| <b>WOLF resectoscopes</b><br>        | <br>ERBE (T series)   | 3 m    | <b>815.132</b>  |
|                                                                                                                       |                       | 3 m    | <b>815.033</b>  |
|                                                                                                                       |                                                                                                         | 5 m    | <b>815.053</b>  |
| <b>Monopolar HF electrodes</b><br> | Bovie / Valleylab / Erbe (Int.) / BOWA (Int.)                                                           |        |                 |
| <b>WOLF resectoscopes</b><br>      | <br>ERBE (T series) | 3 m    | <b>8106.132</b> |
|                                                                                                                       |                     | 3 m    | <b>8106.033</b> |
|                                                                                                                       |                                                                                                         | 5 m    | <b>8106.053</b> |
| <b>Monopolar HF electrodes</b><br> | Bovie / Valleylab / Erbe (Int.) / BOWA (Int.)                                                           |        |                 |
|                                    | Wolf to Bovie<br>Disposable, sterile, 10 / package                                                      | 10 ft. | <b>QD1001</b>   |

## HF Bipolar Connecting Cables

| Connector for instrument                                                                                         | Connector for unit                                                                                                                      | Length | Types           |
|------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|--------|-----------------|
| <b>WOLF bipolar forceps</b><br> | <br>ERBE (ACC / ICC / T) / BOWA (EU)                  | 3 m    | <b>8108.032</b> |
|                                                                                                                  | <br>Martin (Int.) / 2 pin Valleylab / BOWA (Int.)     | 3 m    | <b>8108.033</b> |
|                                                                                                                  | <br>WOLF / Martin (m-Version) / Berchtold / Aesculap   | 5 m    | <b>8108.053</b> |
|                                                                                                                  |                                                                                                                                         | 3 m    | <b>8108.031</b> |
|                                                                                                                  | <br>EMC Dolley                                      | 5 m    | <b>8108.051</b> |
|                                                                                                                  |                                                                                                                                         | 3 m    | <b>8108035</b>  |
| <b>Bipolar tweezers</b><br>   | <br>Martin (Int.) / 2 pin Valleylab / BOWA (Int.)   | 3 m    | <b>8108.133</b> |
|                                                                                                                  | <br>WOLF / Martin (m-Version) / Berchtold / Aesculap | 3 m    | <b>8108.131</b> |
|                                                                                                                  | <br>EMC Dolley                                      | 3 m    | <b>8108135</b>  |
|                                                                                                                  |                                                                                                                                         | 5 m    | <b>8108155</b>  |

## TEM Combination System 2232

for transanal insufflation



**TEM combination system** ..... 2232.211

consisting of:

Laparo CO<sub>2</sub> -Pneu (2232.641) and TEM pump (2232.644),  
connecting cable (2232.981), CO<sub>2</sub> connecting tube, set of 2 (2232.852),  
bottle holder for irrigation bottle (2232.841), footswitch (2030.231),  
high pressure connection tube (202662), CO<sub>2</sub> pin indexed yoke (202664).

Accessories:

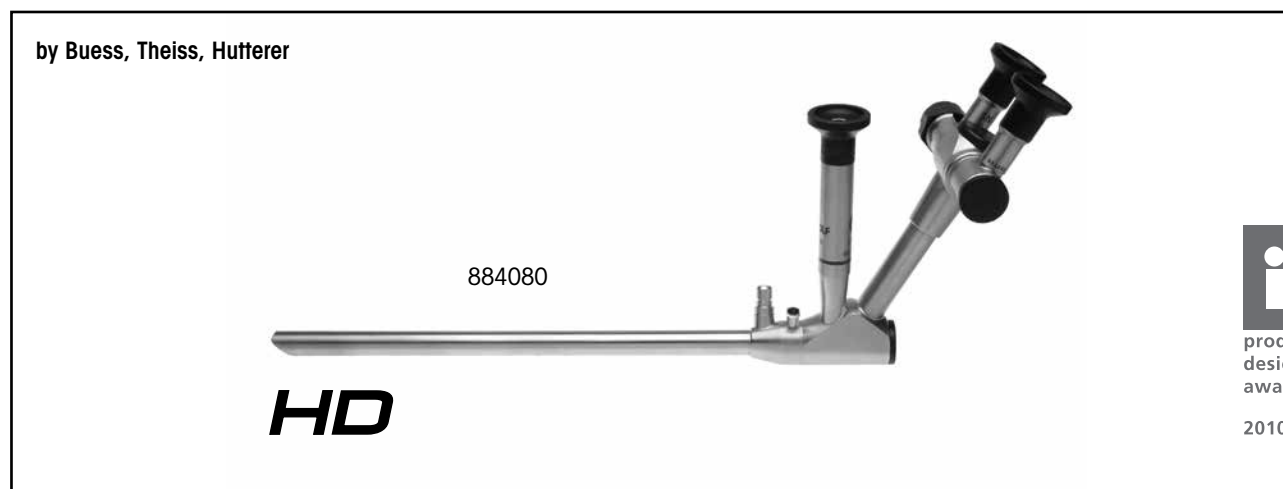
**Hygiene filter** (gas), sterile, pack of 10 pcs ..... 4171.111

**Protection filter** for gas filtration ..... 4171.121

**Bottle adapter** for TEM ..... 8383.951

# Stereo and Documentation Telescope

for Transanal Endoscopic  
Microsurgery (TEM)



## TEM Stereo and documentation telescope

with fixed eyepiece and adjustable eyepiece,

Ø 13.8 mm, WL 259 mm,

50°, 70° angle of view ..... 884080

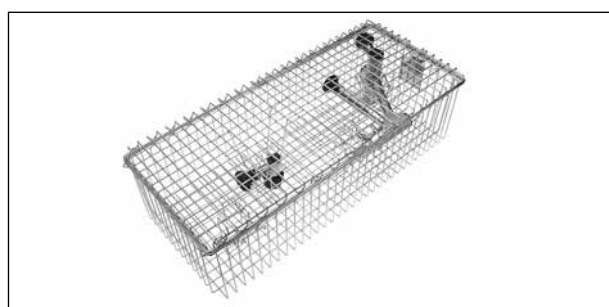
Recommended light cable:

**Fusion fiber light cable set** Ø 5.0 mm, 3 m long consisting of:

Fiber light cable (80655030), adapter projector side (8095.07) and

adapter endoscope side (809509) ..... 806550301

(for maximum light transmission)



For machine reprocessing and sterilization:

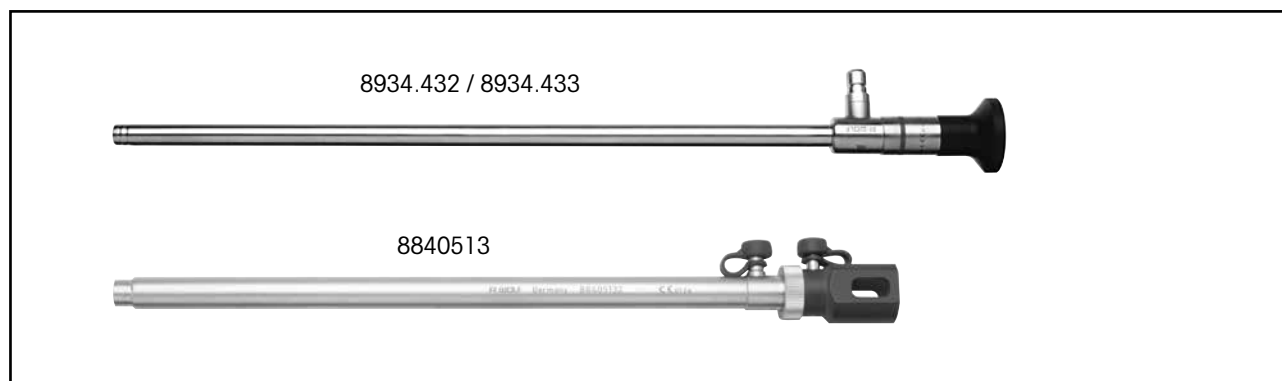
## Reprocessing basket

Dimensions (L x W x H): 479 x 196 x 139 mm ..... 38043012

Weight: 1.2 kg

## As alternatives

for stereo and documentation telescope 884080



**PANOVIEW telescope, Ø 10 mm,**

**distortion-free, WL 300 mm**

30° ..... 8934.432

50° ..... 8934.433

**Outer tube for rinsing and insufflation set,**

outer Ø 13.8 mm, WL 265 mm consisting of:

Inner tube (88405131) and outer tube (88405132) ..... 8840513

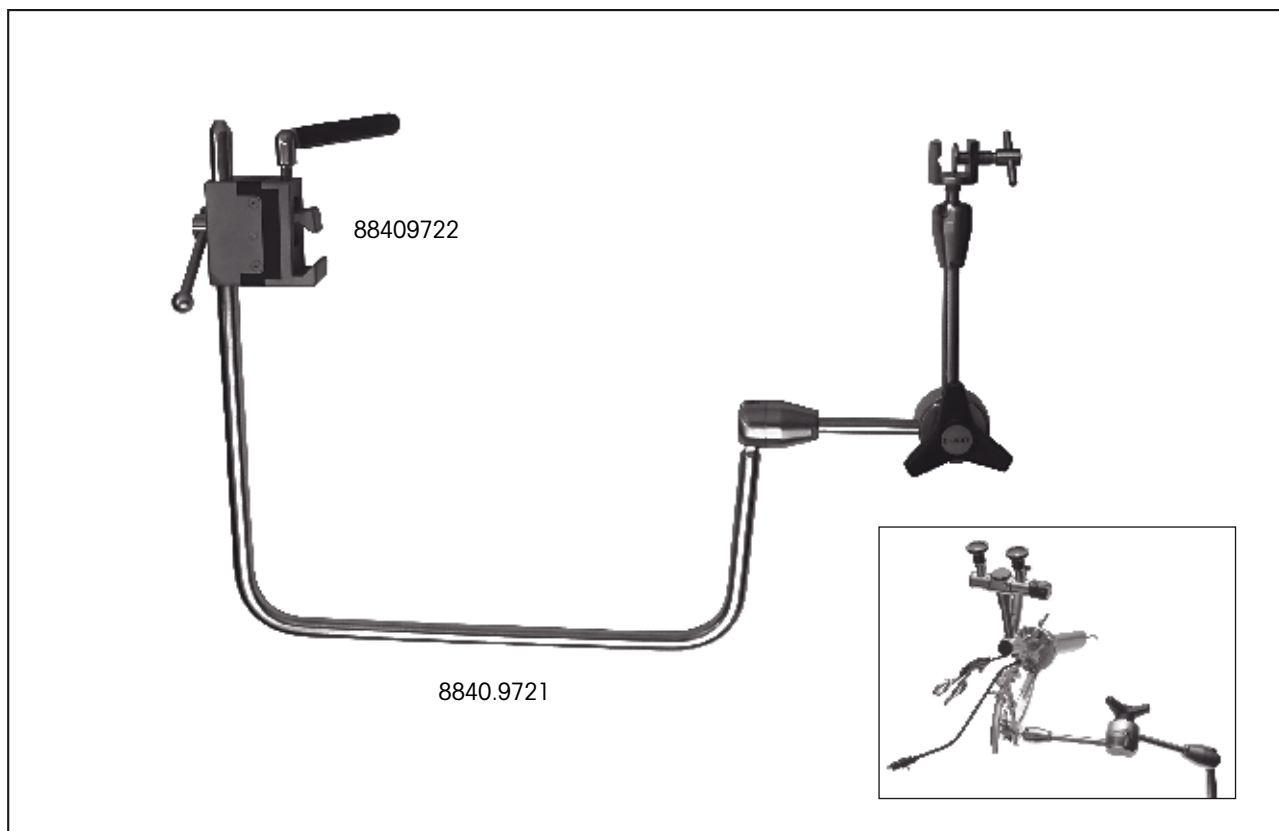
**Fusion fiber light cable set Ø 5.0 mm, 3 m long, consisting of:**

Fiber light cable (80655030), adapter projector side (8095.07) and

adapter endoscope side (809509) ..... 806550301

## U-shaped Arm

for Transanal Endoscopic  
Microsurgery (TEM)



### U-shaped arm

with special clamping device ..... 8840.9721

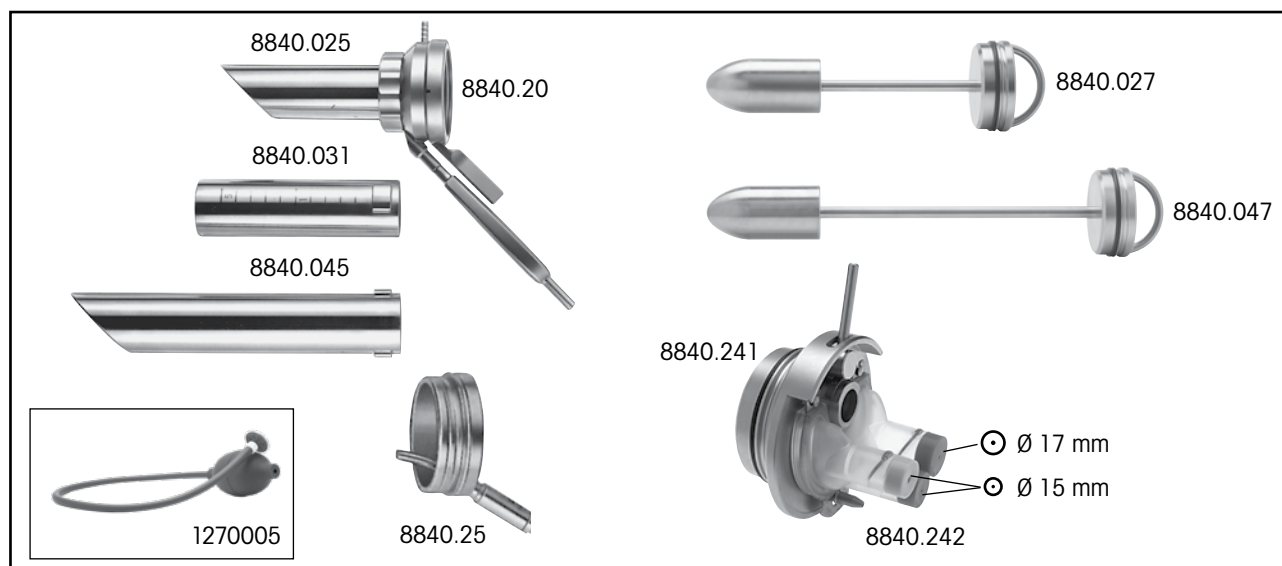
Also required:

### Clamp socket, insulated

for attachment to the operating table (standard rail) ..... 88409722

# Rectoscope Tubes

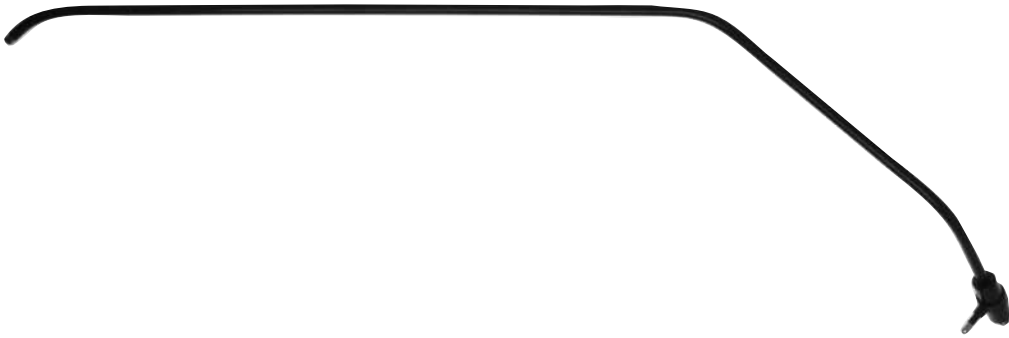
for Transanal Endoscopic  
Microsurgery (TEM)



|                                                                                                                                                                                                                    |           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| <b>Main element</b> .....                                                                                                                                                                                          | 8840.20   |
| <b>Tube with obturator</b> , consisting of:<br>Tube, Ø 40 mm, WL 137 mm (8840.031) and obturator (8840.027) .....                                                                                                  | 8840.0311 |
| <b>Tube with obturator</b> , consisting of:<br>Tube, Ø 40 mm, WL 120 mm (8840.025) and obturator (8840.027) .....                                                                                                  | 8840.021  |
| <b>Tube with obturator</b> , consisting of:<br>Tube, Ø 40 mm, WL 200 mm (8840.045) and obturator (8840.047) .....                                                                                                  | 8840.041  |
| <b>Hand blower, sterile (pack = 5 pcs.)</b><br>Hand blower with filter, disposable,<br>Ø 49 mm, TL 567mm .....                                                                                                     | 1270005   |
| <b>Adapter</b> with viewing window and illumination insert .....                                                                                                                                                   | 8840.25   |
| <b>Working insert</b> consisting of: working insert (8840.241), sealing insert (8840.242) and sealing caps<br>(red 89.01, blue 89.02, grey 89.03, red 89.141, blue 89.161, grey 89.10) .....                       | 8840.2411 |
| <b>Spare parts:</b><br><b>Silicon sealing insert</b> (pack of 3) with 3 valve ports<br>(2 valve ports for up to 6 mm auxiliary instruments) (1 valve port for 6-11 mm auxiliary instruments)<br>autoclavable ..... | 8840.242  |
| <b>Sealing caps (pack of 10)</b> , outer Ø 15 mm,<br>red, for instruments Ø 2.4 mm to Ø 3.4 mm .....                                                                                                               | 89.01     |
| blue, for instruments Ø 3.4 mm to Ø 5.1 mm .....                                                                                                                                                                   | 89.02     |
| grey, for instruments Ø 5.1 mm to Ø 6.0 mm .....                                                                                                                                                                   | 89.03     |
| <b>Sealing caps (pack of 10)</b> , outer Ø 17 mm,<br>red, for instruments Ø 4.0 mm to Ø 6.0 mm .....                                                                                                               | 89.141    |
| blue, for instruments Ø 7.5 mm to Ø 8.5 mm .....                                                                                                                                                                   | 89.161    |
| red, for instruments Ø 13.0 mm to Ø 13.8 mm .....                                                                                                                                                                  | 89.10     |

## Suction Tube / Knives

for transanal Surgery / TEM

| MONOPOLAR SUCTION TUBE                                                                                         |              |      |        |                 |
|----------------------------------------------------------------------------------------------------------------|--------------|------|--------|-----------------|
|                              |              |      |        |                 |
|                                                                                                                |              | Ø    | WL     | Type            |
| <br>Coagulation suction tube | curved right | 6 mm | 470 mm | <b>8840.731</b> |

| MONOPOLAR KNIFE                                                                                 |       |      |        |                 |
|-------------------------------------------------------------------------------------------------|-------|------|--------|-----------------|
|             |       |      |        |                 |
|                                                                                                 |       | Ø    | WL     | Type            |
| <br>HF knife | right | 4 mm | 430 mm | <b>8840.711</b> |
|                                                                                                 | left  | 4 mm | 430 mm | <b>8840.712</b> |

# ERAGON<sup>modular</sup>

## TEM Grasping Forceps, 5 mm

|                                                                                                                                                                                   |                                                                                                                                |                                                                                                                                             |                                                                                                                                           |                                                                                                                                      |                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <div></div> <div>All jaw inserts and sheaths can also be combined with <b>ERAGONaxial</b>.</div> | Handle type                                                                                                                    |                                                                                                                                             |                                                                                                                                           |                                                                                                                                      | Knob attachment, ERAGONaxial                                                        |
|                                                                                                                                                                                   |  <div>with locking mechanism, rotatable</div> |  <div>HF / mono without locking mechanism, rotatable</div> |  <div>HF / mono with locking mechanism, rotatable</div> |  <div>with locking mechanism, not rotatable</div> |  |
| Types                                                                                                                                                                             | 83930082                                                                                                                       | 83930083                                                                                                                                    | 83930084                                                                                                                                  | 83930085                                                                                                                             | 8988                                                                                |

| Jaw insert<br><br>JL*                                                                 | Sheath tube, insulated |                                                                                                | Handle type                                                                                                                        |                                                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
|                                                                                                                                                                        | Types                  | 8394933                                                                                        | 83930074                                                                                                                           | Types                                                              |
|                                                                                                                                                                        |                        | <br>WL 450 mm | <br>HF / mono with locking mechanism, rotatable | <b>Complete instrument</b><br>• Jaw insert<br>• Sheath<br>• Handle |
| <br><b>TEM Grasping forceps,</b><br>angled downwards and curved right,<br>JL= 28 mm | 8394621                | ●                                                                                              | ●                                                                                                                                  | <b>83946217</b>                                                    |
| <br><b>TEM Grasping forceps,</b><br>angled downwards and curved left,<br>JL= 28 mm  | 8394622                | ●                                                                                              | ●                                                                                                                                  | <b>83946227</b>                                                    |
| <br><b>TEM Grasping forceps,</b><br>curved right,<br>JL= 25 mm                      | 8394623                | ●                                                                                              | ●                                                                                                                                  | <b>83946237</b>                                                    |
| <br><b>TEM Grasping forceps,</b><br>curved left,<br>JL= 25 mm                       | 8394624                | ●                                                                                              | ●                                                                                                                                  | <b>83946247</b>                                                    |

\* JL = Jaw length when jaws closed (approximate measurements)

HF connecting cable see page 85.

# ERAGON<sup>modular</sup>

## Scissors, 5 mm

|                                                                                                                                                                    |  |                                                                                                                                                                |                                                                                                                         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
|  <p>All jaw inserts and sheaths can also be combined with <b>ERAGONaxial</b>.</p> |  | <p>Handle type</p>  <p>HF / mono<br/>without locking mechanism, rotatable</p> | <p>Knob attachment, ERAGONaxial</p>  |
| Type                                                                                                                                                               |  | 83930083                                                                                                                                                       | 8988                                                                                                                    |

|                                                                                                                                                              |                                                                                                                                      |                                                                                                                                                                  |                                                                                                                               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| <p>Jaw insert</p>  <p>JL*</p>                                              | <p>Sheath tube, insulated</p>  <p>WL<br/>450 mm</p> | <p>Handle type</p>  <p>HF / mono<br/>without locking mechanism, rotatable</p> | <p>Complete instrument</p> <ul style="list-style-type: none"> <li>• Jaw insert</li> <li>• Sheath</li> <li>• Handle</li> </ul> |
| Type                                                                                                                                                         | 8394933                                                                                                                              | 83930073                                                                                                                                                         | Type                                                                                                                          |
|  <p>Scissors, "Metzenbaum", curved left, double jaw action, JL= 23 mm</p> | 8394.041                                                                                                                             |                                                                                                                                                                  | 83940417                                                                                                                      |

\* JL = Jaw length when jaws closed (approximate measurements)

HF connecting cable see page 85.

## Needle Holder

for transanal Surgery / TEM

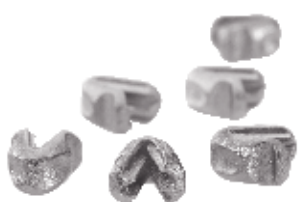
|                                                                                                                                                             |        |        |                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|-----------------|
|                                                                           |        |        |                 |
|                                                                                                                                                             | Ø      | WL     | Type            |
|  <p><b>Needle holder</b><br/>angled downwards,<br/>with irrigation tap</p> | 4.6 mm | 405 mm | <b>8840.605</b> |

|                                                                                                                                                   |        |        |                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|-----------------|
|                                                               |        |        |                 |
|                                                                                                                                                   | Ø      | WL     | Type            |
|  <p><b>Needle holder</b><br/>straight, with irrigation tap</p> | 4.6 mm | 405 mm | <b>8840.604</b> |

Should be used with needles Ethicon SH-1 or Braun-Dexon, Maxon 3-0, HR 26.

## Titanium Clips & Clip Applier

for transanal Surgery / TEM

|                                                                                   |                                                                                    | Type           |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------------|
|  | <b>Titanium clip,</b><br>sterile, pack of 10 (6 clips), incl. clip mounting device | <b>4840764</b> |

|                                                                                                                                                                                                                                                                   |      |        |                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------|-----------------|
|                                                                                                                                                                                |      |        |                 |
|                                                                                                                                                                                 | Ø    | WL     | Type            |
| <br><b>TEM Clip applicator Set</b> consisting of:<br>TEM clip applicator (8840.762) straight,<br>modular, with irrigation tap and clip ejector<br>(8840.763) for titanium clip | 6 mm | 435 mm | <b>8840.762</b> |