

**GYNECOLOGY**

## GYNECOLOGY

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**GYNECOLOGICAL LAPAROSCOPY**

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**HYSTEROSCOPY**

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**INTERDISCIPLINARY APPLICATIONS**

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**GYNECOLOGICAL  
LAPAROSCOPY**

## GYNECOLOGICAL LAPAROSCOPY

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# BASIC SET

## FOR ALL LAPAROSCOPIC PROCEDURES

Product	Product no.	Quantity	Catalog / Section
Insufflator 45 EVAC + HEAT bndl	<b>22350312</b>	1	Gynecology / 14
VERES cannula Ø 2.1 mm WL 120 mm	<b>8302.12</b>	1	Gynecology / 4
LAP suction irrigation pump bndl	<b>22160011</b>	1	Gynecology / 15
LED light source ENDOLIGHT LED 2.1 bndl	<b>51630011</b>	1	Imaging / Light sources
Fiber light cable		1	Imaging / Light cables
ENDOCAM Logic 4K	<b>5525</b>	1	Imaging / ENDOCAM
Monitors		1	Imaging / Monitors
Device cart		1	Imaging / Device cart

# BASIC SET

## FOR LAPAROSCOPIC CYST EXSTIRPATION

Product	Product no.	Quantity	Catalog / Section
Telescope 0° Ø 10 mm WL 307 mm	<b>8934.431</b>	1	Gynecology / 3
and/or			
Telescope 30° Ø 10 mm WL 307 mm	<b>8934.432</b>	1	Gynecology / 3
Fiber light cable bndl	<b>806650231</b>	1	Gynecology / 3
Trocар sleeve, slanted, capacity 5.5 mm WL 100 mm	<b>8921.013</b>	2-3	Gynecology / 4
and/or			
Trocар sleeve, straight, capacity 5.5 mm WL 102 mm	<b>8919.351</b>	2-3	Gynecology / 4
Trocар sleeve, slanted, capacity 10 mm WL 100 mm	<b>8923.013</b>	2	Gynecology / 4
Guide rod 5.5 mm TL 500 mm	<b>8923.921</b>	1	Gynecology / 4
Instrument sleeve 10 mm WL 170 mm	<b>8385.50</b>	1	Gynecology / 4
VERES cannula Ø 2.1 mm WL 120 mm	<b>8302.12</b>	1	Gynecology / 4
Multifunctional suction irrigation system			
Suction irrigation tube Ø 5 mm WL 310 mm	<b>8383.911</b>	1	Gynecology / 9
Suction irrigation handle	<b>8385.901</b>	1	Gynecology / 9
Sealing cap	<b>8385.902</b>	1	Gynecology / 9
ERAGONmodular			
Atraumatic grasping forceps Ø 5 mm bndl	<b>83932925</b>	1	Gynecology / 5
Atraumatic grasping forceps mono Ø 5 mm bndl	<b>83931817</b>	2	Gynecology / 5
Maryland dissector forceps mono Ø 5 mm bndl	<b>83932817</b>	1	Gynecology / 5
Metzenbaum scissors Ø 5 mm bndl	<b>83930417</b>	1	Gynecology / 5
Grasping forceps Ø 10 mm bndl	<b>83952048</b>	1	Gynecology / 5
Plate-shaped grasping forceps Ø 10 mm bndl	<b>83952347</b>	1	Gynecology / 5
ERAGONbipolar			
Grasping forceps bipo Ø 5.5 mm bndl	<b>839300312</b>	1	Gynecology / 7
Hook electrode mono Ø 5 mm WL 340 mm	<b>8383.423</b>	1	Gynecology / 8
Needle forceps Ø 2 mm WL 160 mm	<b>8756.201</b>	1	Gynecology / 12
Sealing cone Ø 12-15 mm	<b>8943.915</b>	1	Gynecology / 12
Monopolar HF cable	<b>8106</b>	1	Gynecology / 17
Bipolar HF cable	<b>8108</b>	1	Gynecology / 17

## BASIC SET

### FOR LAPAROSCOPIC CYST EXSTIRPATION

Product	Product no.	Quantity	Catalog / Section
Also on request:			
Telescope 0° Ø 5.3 mm WL 303 mm	<b>8935441</b>	1	Gynecology / 3
and/or			
Telescope 30° Ø 5.3 mm WL 303 mm	<b>8935442</b>	1	Gynecology / 3
Trocarsleeve, slanted, capacity 5.5 mm WL 100 mm	<b>8921.013</b>	1	Gynecology / 4
Trocarsleeve sharp size 5.5 mm WL 169 mm	<b>8921.113</b>	1	Gynecology / 4
ERAGONmodular			
Atraumatic grasping forceps mono Ø 5 mm bndl	<b>83931957</b>	1	Gynecology / 5
Biopsy forceps mono Ø 5 mm bndl	<b>83930937</b>	1	Gynecology / 5
Dissector forceps Ø 10 mm bndl	<b>83952268</b>	1	Gynecology / 5

# BASIC SET

## FOR LAPAROSCOPIC ADNEXECTOMY

Product	Product no.	Quantity	Catalog / Section
Telescope 0° Ø 10 mm WL 307 mm	<b>8934.431</b>	1	Gynecology / 3
and/or			
Telescope 30° Ø 10 mm WL 307 mm	<b>8934.432</b>	1	Gynecology / 3
Fiber light cable bndl	<b>806650231</b>	1	Gynecology / 3
Trocarsleeve, slanted, capacity 10 mm WL 100 mm	<b>8923.013</b>	2	Gynecology / 4
Trocarsleeve, slanted, capacity 10 mm WL 100 mm	<b>8923.113</b>	2	Gynecology / 4
and/or			
Trocarsleeve, straight, capacity 5.5 mm WL 102 mm	<b>8919.351</b>	2-3	Gynecology / 4
Trocarsleeve, straight, capacity 5.5 mm WL 144 mm	<b>8919.3512</b>	2-3	Gynecology / 4
Trocarsleeve, slanted, capacity 5.5 mm WL 100 mm	<b>8921.013</b>	2-3	Gynecology / 4
Trocarsleeve, slanted, capacity 5.5 mm WL 169 mm	<b>8921.113</b>	2-3	Gynecology / 4
Guide rod 5.5 mm TL 500 mm	<b>8923.921</b>	1	Gynecology / 4
Instrument sleeve 10 mm WL 170 mm	<b>8385.50</b>	1	Gynecology / 4
ERAGONmodular			
Grasping forceps mono Ø 5 mm bndl	<b>83932877</b>	1	Gynecology / 5
Atraumatic grasping forceps mono Ø 5 mm bndl	<b>83931817</b>	2	Gynecology / 5
Maryland dissector forceps mono Ø 5 mm bndl	<b>83932817</b>	1	Gynecology / 5
Metzenbaum scissors Ø 5 mm bndl	<b>83930417</b>	1	Gynecology / 5
Grasping and dissector forceps 5 mm	<b>83932827</b>	1	Gynecology / 5
ERAGONbipolar			
Grasping forceps bipo Ø 5.5 mm bndl	<b>839300312</b>	1	Gynecology / 7
Multifunctional suction irrigation system			
Suction irrigation tube Ø 5 mm WL 310 mm	<b>83839.11</b>	1	Gynecology / 9
Suction irrigation handle	<b>8385.901</b>	1	Gynecology / 9
Sealing cap	<b>8385.902</b>	1	Gynecology / 9
VERES cannula Ø 2.1 mm WL 120 mm	<b>8302.12</b>	1	Gynecology / 4
Bipolar HF cable	<b>8108</b>	1	Gynecology / 17
Monopolar HF cable	<b>8106</b>	1	Gynecology / 17

# BASIC SET

## FOR LAPAROSCOPIC ADNEXECTOMY

Product	Product no.	Quantity	Catalog / Section
Also on request:			
ENDOCAM Logic 4K	<b>5525</b>	1	Imaging / ENDOCAM
ERAGONmodular			
Dissector forceps mono Ø 5 mm bndl	<b>83932897</b>	1	Gynecology / 5
Grasping forceps mono Ø 5 mm bndl	<b>83931837</b>	2	Gynecology / 5
Biopsy forceps mono Ø 5 mm bndl	<b>83930917</b>	1	Gynecology / 5
Maryland dissector forceps Ø 10 mm bndl	<b>83952257</b>	1	Gynecology / 5
Needle holder Ø 5 mm bndl	<b>8393.502</b>	1	Gynecology / 12

BASIS-SET  
FOR HYSTERECTOMY

Product	Product no.	Quantity	Catalog / Section
Telescope 0° Ø 10 mm WL 307 mm	<b>8934.431</b>	1	Gynecology / 3
and/or			
Telescope 30° Ø 10 mm WL 307 mm	<b>8934.432</b>	1	Gynecology / 3
Fiber light cable bndl	<b>806650231</b>	1	Gynecology / 3
Trocarsleeve, slanted, capacity 10 mm WL 100 mm	<b>8923.013</b>	2	Gynecology / 4
Trocarsleeve, slanted, capacity 10 mm WL 100 mm	<b>8923.113</b>	2	Gynecology / 4
and/or			
Trocarsleeve, straight, capacity 5.5 mm WL 102 mm	<b>8919.351</b>	2-3	Gynecology / 4
Trocarsleeve, straight, capacity 5.5 mm WL 144 mm	<b>8919.3512</b>	2-3	Gynecology / 4
Trocarsleeve, slanted, capacity 5.5 mm WL 100 mm	<b>8921.013</b>	2-3	Gynecology / 4
Trocarsleeve, slanted, capacity 5.5 mm WL 169 mm	<b>8921.113</b>	2-3	Gynecology / 4
Guide rod 5.5 mm TL 500 mm	<b>8923.921</b>	1	Gynecology / 4
Instrument sleeve 10 mm WL 170 mm	<b>8385.50</b>	1	Gynecology / 4
ERAGONmodular			
Grasping forceps mono Ø 5 mm bndl	<b>83932877</b>	1	Gynecology / 5
Atraumatic grasping forceps mono Ø 5 mm bndl	<b>83931817</b>	2	Gynecology / 5
Maryland dissector forceps mono Ø 5 mm bndl	<b>83932817</b>	1	Gynecology / 5
Metzenbaum scissors Ø 5 mm bndl	<b>83930417</b>	1	Gynecology / 5
Grasping and dissector forceps 5 mm	<b>83932827</b>	1	Gynecology / 5
ERAGONbipolar			
Grasping forceps bipo Ø 5.5 mm bndl	<b>839300312</b>	1	Gynecology / 7
Multifunctional suction irrigation system			
Suction irrigation tube Ø 5 mm WL 310 mm	<b>83839.11</b>	1	Gynecology / 9
Suction irrigation handle	<b>8385.901</b>	1	Gynecology / 9
Sealing cap	<b>8385.902</b>	1	Gynecology / 9
VERES cannula Ø 2.1 mm WL 120 mm	<b>8302.12</b>	1	Gynecology / 4
Bipolar HF cable	<b>8108</b>	1	Gynecology / 17
Monopolar HF cable	<b>8106</b>	1	Gynecology / 17

# BASIS-SET

## FOR HYSTERECTOMY

Product	Product no.	Quantity	Catalog / Section
Uterus manipulator			
SecuFIX Uterus manipulator Ø 36 mm	<b>8370701</b>	1	Gynecology / 2
SecuFIX Uterus probe Ø 5 mm	<b>8370702</b>	1	Gynecology / 2
Cleaning brush Ø 5 mm TL 700 mm	<b>7970705</b>	1	Gynecology / 2
Cleaning brush Ø 9 mm TL 400 mm	<b>7970409</b>	1	Gynecology / 2
Sealing cap capacity 3.4–5.1 mm	<b>89.02</b>	1	Gynecology / 2
SecuFIX Colpotransilluminator vacuum tube (PACK=10 PCS)	<b>41708370</b>	1	Gynecology / 2
Accessories			
Irrigation tube L 0.6 m	<b>163915</b>	1	Gynecology / 2
Fiber light cable bndl	<b>806635231</b>	1	Gynecology / 2
RIWO System Tray	<b>33024</b>	1	Gynecology / 2
Also on request:			
ENDOCAM Logic 4K	<b>5525</b>	1	Imaging / ENDOCAM
ERAGONmodular			
Dissector forceps mono Ø 5 mm bndl	<b>83932897</b>	1	Gynecology / 5
Grasping forceps mono Ø 5 mm bndl	<b>83931837</b>	2	Gynecology / 5
Biopsy forceps mono Ø 5 mm bndl	<b>83930917</b>	1	Gynecology / 5
Maryland dissector forceps Ø 10 mm bndl	<b>83952257</b>	1	Gynecology / 5
Clip applicator Ø 10 mm WL 340 mm	<b>8389.911</b>	1	Gynecology / 11
Ethicon® Ligoclips® (PACK= 108 PCS)	<b>8389.915</b>	1	Gynecology / 11
Introduction sleeve 10 mm WL 80 mm	<b>8389.991</b>	1	Gynecology / 11
Needle holder Ø 5 mm bndl	<b>8393.502</b>	1	Gynecology / 12

## SecuFix UTERUS MANIPULATOR

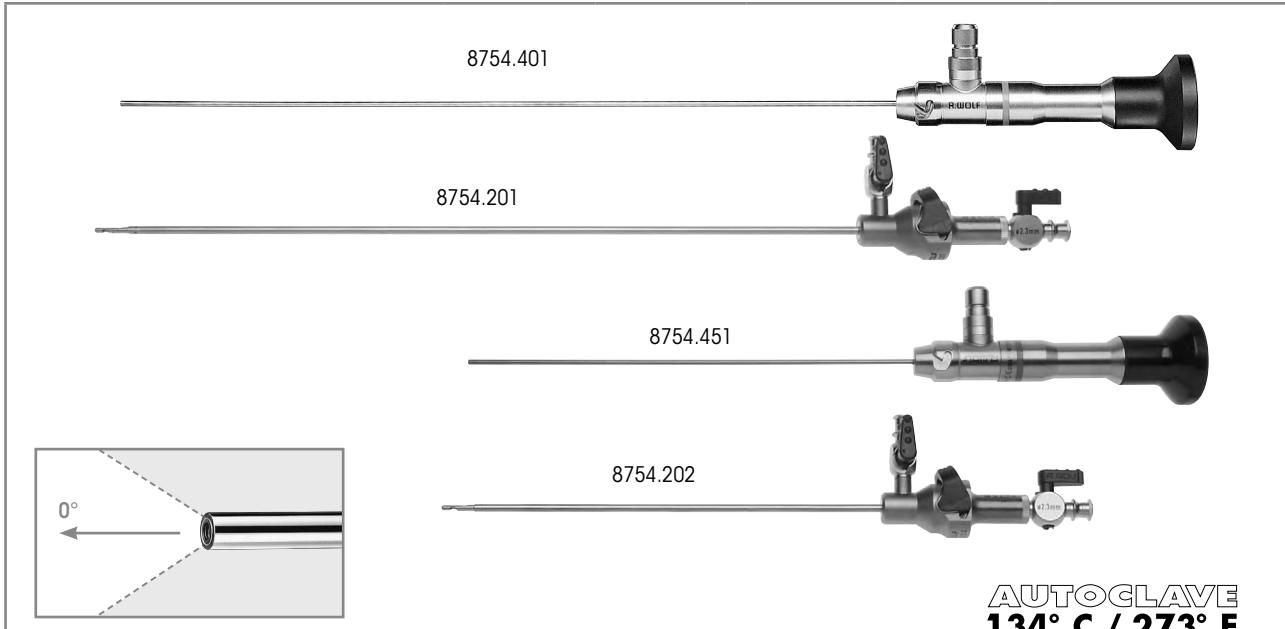
SYSTEM WITH COLPOTRANSILLUMINATION AND VACUUM FIXATION



	Product no.
SecuFix Uterus manipulator Ø 36 mm	<b>8370701</b>
SecuFix Uterus probe Ø 5 mm	with longitudinal scale
Cleaning brush Ø 5 mm TL 700 mm	<b>7970705</b>
Cleaning brush Ø 9 mm TL 400 mm	<b>7970409</b>
Sealing cap capacity 3.4–5.1 mm	(PACK = 10 PCS)
SecuFix Colpotransilluminator vacuum tube	<p>Set contains: Colpotransilluminator and vacuum tube (with check valve, suction connection, Y connection part for use with a suction instrument on the same suction device, suction clamp), disposable (PACK= 10 PCS, in individual sterile packaging)</p> <p><b>41708370</b></p>

Accessories	Product no.
Irrigation tube L 0.6 m	 <b>163915</b>
Fiber light cable bndl	 Fiber bundle, Ø 3.5 mm (color marking orange), length 2.3 m <b>806635231</b>
RIWO System Tray	 Container (W x H x D) 500 x 60 x 200 mm with instrument mat Internal dimensions (W x H x D): 500 x 57 x 200 mm, External dimensions (W x H x D): 566 x 77 x 266 mm <b>33024</b>

## MINI FIBER TELESCOPES 2.0 MM



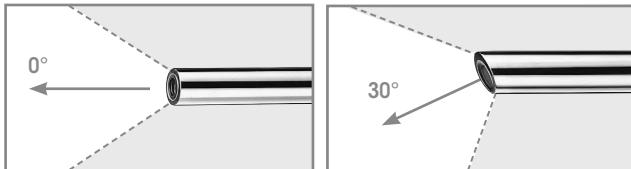
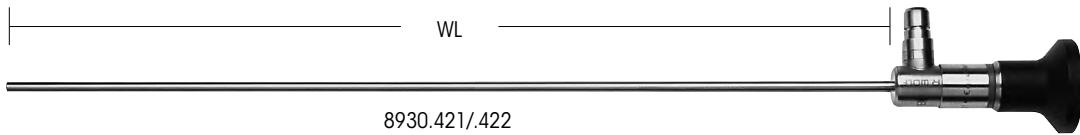
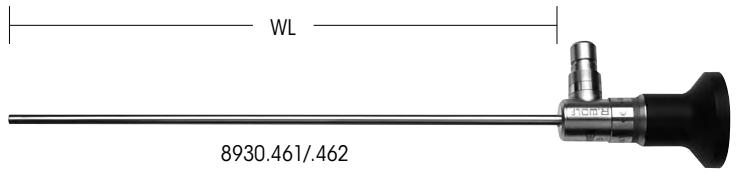
**AUTOCLAVE**  
**134° C / 273° F**

Long version	Direction of view	WL	TL	Ø	Product no.
Telescope 0° Ø 2 mm WL 268 mm	0°	268 mm	365 mm	2.0 mm	<b>8754.401</b>
<b>for this:</b>					
VERES cannula Ø 2.3 mm WL 250 mm consisting of: 1x VERES cannula Ø 2.3 mm WL 274 mm (8754.211) 1x outer sheath Ø 2.8 mm, WL 250 mm (8754.221)		250 mm		2.3 mm	<b>8754.201</b>
Short version	Direction of view	WL	TL	Ø	Product no.
Telescope 0° Ø 2 mm WL 158 mm	0°	158 mm	255 mm	2.0 mm	<b>8754.451</b>
<b>for this:</b>					
VERES cannula Ø 2.3 mm WL 170 mm consisting of: 1x VERES cannula Ø 2.3 mm WL 164 mm (8754.212) 1x outer sheath Ø 2.8 mm WL 141 mm (8754.222)		170 mm		2.3 mm	<b>8754.202</b>

Recommended accessories	Product no.
Perforated basket for standard telescope 1 (for telescope 8754.451)	(W x H x D) 297 x 54 x 59 mm <b>38015</b>
Perforated basket for standard telescope 2 (for telescope 8754.401)	(W x H x D) 481 x 54 x 59 mm <b>38016</b>
Fiber light cable bndl consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 2.5 mm, 2.3 m long <b>806625231</b>

## LAPAROSCOPES 3.5 MM

# free of distortion



**AUTOCLAVE**  
**134° C / 273° F**

	Direction of view	WL	TL	Ø	Product no.
PANOVIEW PLUS Telescope 0° 3.5 mm WL 180 mm	0°	180 mm	232 mm	3.5 mm	<b>8930.461</b>
PANOVIEW PLUS Telescope 30° 3.5 mm WL 180 mm	30°		233 mm		<b>8930.462</b>
PANOVIEW PLUS Telescope 0° Ø 3.5 mm WL 300 mm	0°	300 mm	361 mm		<b>8930.421</b>
PANOVIEW PLUS Telescope 30° 3.5 mm WL 300 mm	30°		362 mm		<b>8930.422</b>

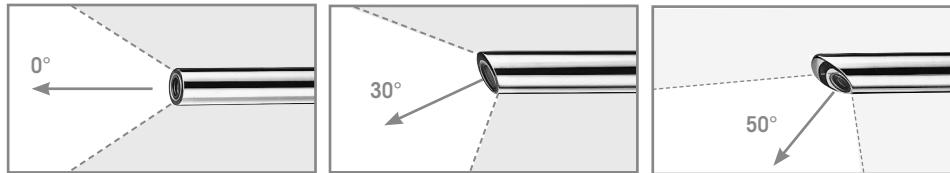
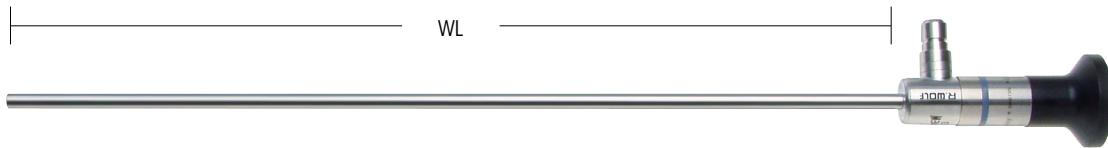
Recommended accessories	Product no.
Perforated basket for standard telescope 1 (for telescope 8930.461/.462)	(W x H x D) 297 x 54 x 59 mm <b>38015</b>
Perforated basket for standard telescope 2 (for telescope 8930.421/.422)	(W x H x D) 481 x 54 x 59 mm <b>38016</b>
Fiber light cable bndl consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 2.5 mm, 2.3 m long <b>806625231</b>

## LAPAROSCOPES 5.3 MM

# free of distortion

full screen

**HD**  
High Definition

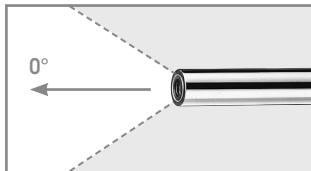


**AUTOCLAVE**  
**134° C / 273° F**

	Direction of view	WL	TL	Ø	Product no.
PANOVIEW Telescope 0° Ø 5.3 mm WL 303 mm	0°	303 mm	372 mm	5.3 mm	<b>8935.441</b>
PANOVIEW Telescope 30° Ø 5.3 mm WL 303 mm	30°		373 mm		<b>8935.442</b>
PANOVIEW Telescope 50° Ø 5.3 mm WL 309 mm	50°	309 mm	377 mm		<b>8935.443</b>

Recommended accessories	Product no.
Perforated basket for standard telescope 2	<b>38016</b>
Fiber light cable bndl consisting of: Fiber light cable (80663523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	<b>806635231</b>

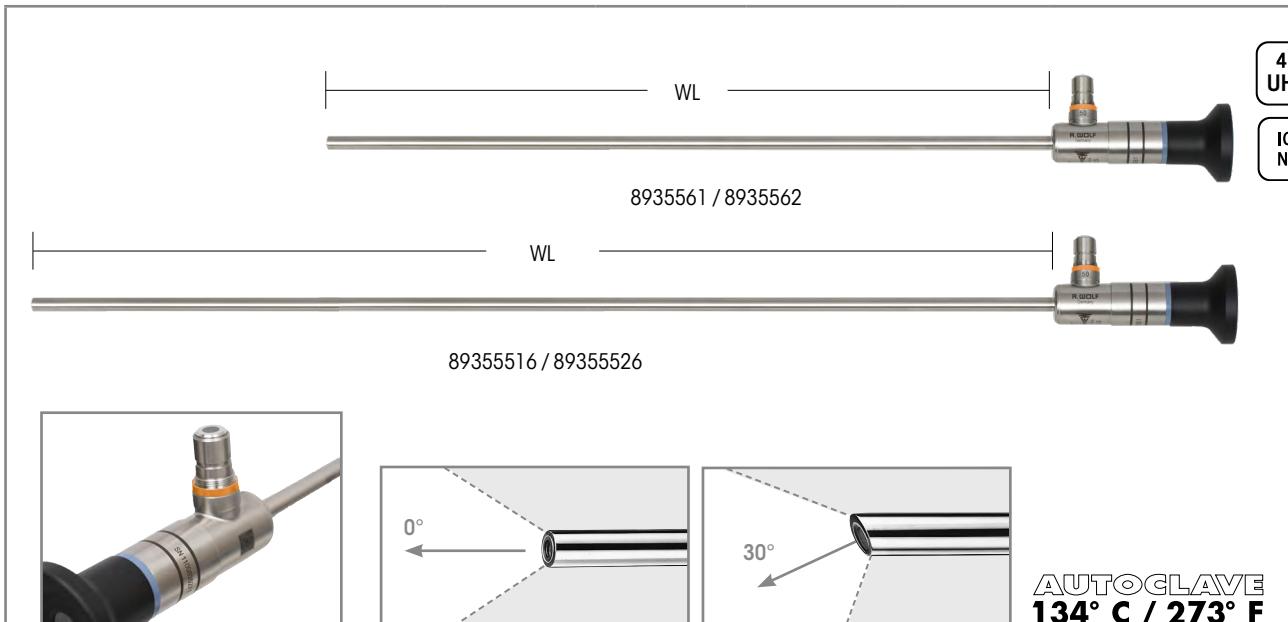
## MINI OR LAPAROSCOPE 5.5 MM WITH 3.5 MM WORKING CHANNEL



**AUTOCLAVE  
134° C / 273° F**

	Direction of view	SL	TL	Ø	Working channel Ø	Product no.
<b>OR endoscope bndl</b> consisting of: OR endoscope 0° Ø 5.5 mm SL 215 mm (8920.401) Autom. sealing element ID 5.7 mm (8920.311) Sealing cap, red-orange (15176.020) Sealing membrane Ø 17 mm (PACK= 10 PCS) (89.103)	0°	215 mm	370 mm	5.5 mm	3.5 mm	<b>8920.4011</b>

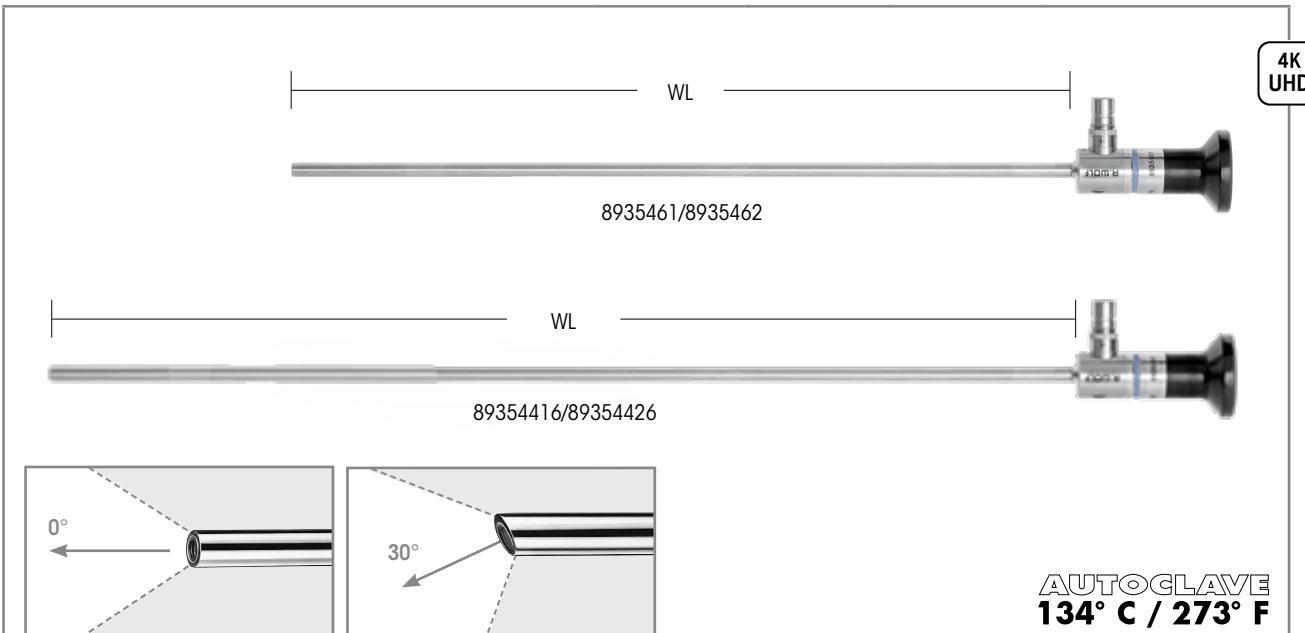
Recommended accessories	Product no.
Trocarsleeve, straight, capacity 5.5 mm WL 62 mm	<b>8919.333</b>
Trocarsleeve, straight, capacity 5.5 mm WL 102 mm	<b>8919.353</b>
<b>Perforated basket for telescope</b> Dimensions (W x L x H): 132 x 467 x 75 mm	<b>38008</b>
<b>Fiber light cable bndl</b> consisting of: Fiber light cable (80663523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	<b>806635231</b>



Direction of view	WL	GL	Ø	Product no.
0°	300 mm	372 mm	5,5 mm	<b>8935561</b>
30°				<b>8935562</b>

**Note:** Compatible with System green (see Imaging Catalog) (ICG/NIR-capable) and its recommended Fusion fiber light cable.

Recommended accessories	Product no.
Perforated basket for standard telescope 2 (for telescope 8935416/8935426)	(W x H x D) 481 x 54 x 59 mm <b>38016</b>
Perforated basket for standard telescope 3 (for telescope 89354416/89354426)	(W x H x D) 619 x 54 x 59 mm <b>38017</b>
Fiber light cable bndl consisting of: Fiber light cable (80663523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 3.5 mm, 2.3 m long <b>806635231</b>



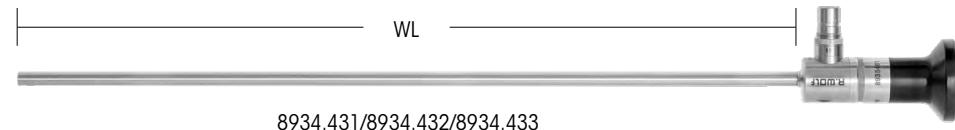
<sup>A</sup> AUTOCLAVE  
**134° C / 273° F**

	Direction of view	WL	Ø	Product no.
PANOVIEW ULTRA Telescope Ø 5.5 mm WL 300 mm	0°	300 mm	5.5 mm	<b>8935461</b>
PANOVIEW ULTRA Telescope Ø 5.5 mm WL 300 mm	30°			<b>8935462</b>
PANOVIEW ULTRA Telescope Ø 5.5 mm WL 430 mm	0°	430 mm		<b>89354416</b>
PANOVIEW ULTRA Telescope Ø 5.5 mm WL 430 mm	30°			<b>89354426</b>

Recommended accessories	Product no.
Perforated basket for standard telescope 2 (for telescope 8935416/8935426)	(W x H x D) 481 x 54 x 59 mm <b>38016</b>
Perforated basket for standard telescope 3 (for telescope 89354416/89354426)	(W x H x D) 619 x 54 x 59 mm <b>38017</b>
Fiber lightcable bndl consisting of: Fiber light cable Ø 5 mm TL 2.3 m (80665023), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 5.0 mm, 2.3 m long <b>806650231</b>
Fusion Fiber light cable bndl consisting of: Fiber light cable Ø 5 mm TL 2.3 m (80655023), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 5.0 mm, 2.3 m long <b>806550231</b>

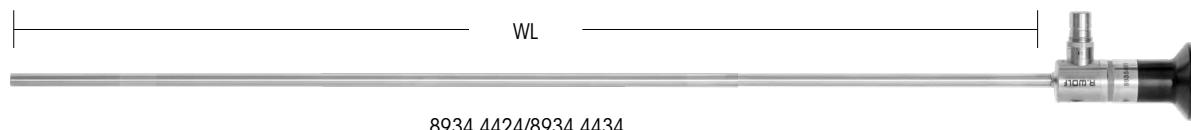
## LAPAROSCOPES 10 MM

# free of distortion



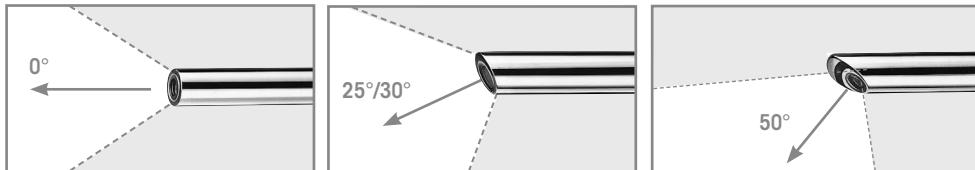
WL

8934.431/8934.432/8934.433



WL

8934.4424/8934.4434



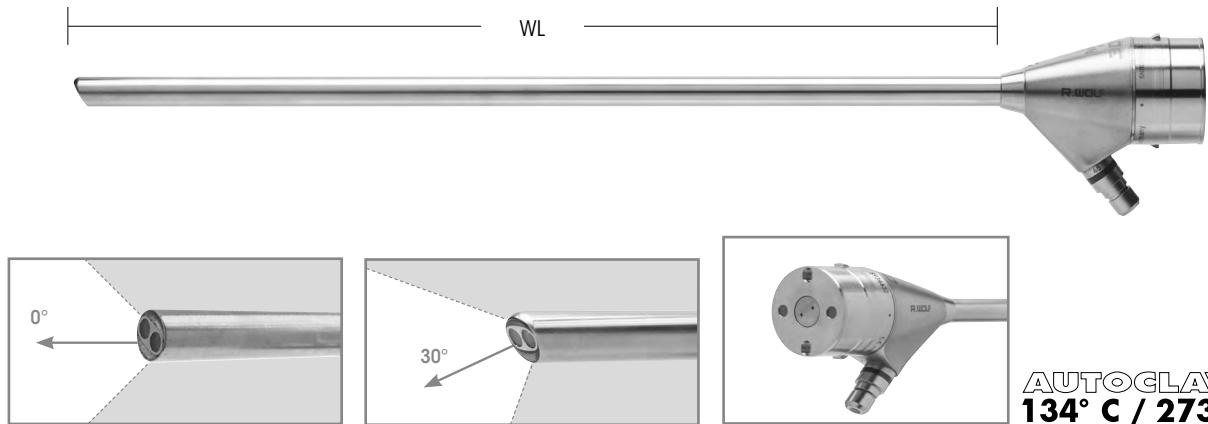
**AUTOCLAVE**  
**134° C / 273° F**

	Direction of view	WL	TL	Ø	Product no.
PANOVIEW Telescope 0° Ø 10 mm WL 307 mm	0°	307 mm	375 mm	10 mm	<b>8934.431</b>
PANOVIEW Telescope 30° Ø 10 mm WL 307 mm	30°	307 mm	375 mm		<b>8934.432</b>
PANOVIEW Telescope 50° Ø 10 mm WL 310 mm	50°	310 mm	378 mm		<b>8934.433</b>
PANOVIEW PLUS Telescope 25° Ø 10 mm WL 438 mm	25°	438 mm	507 mm		<b>8934.4424</b>
PANOVIEW PLUS Telescope 50° Ø 10 mm WL 447 mm	50°	447 mm	516 mm		<b>8934.4434</b>

Recommended accessories	Product no.
Perforated basket for standard telescope 2 (for telescope 8934.431/.432/.433)	(W x H x D) 481 x 54 x 59 mm <b>38016</b>
Perforated basket for standard telescope 3 (for telescope 8934.4424/.4434)	(W x H x D) 619 x 54 x 59 mm <b>38017</b>
Fiber lightable bndl consisting of: Fiber light cable Ø 5 mm TL 2.3 m (80665023), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 5.0 mm, 2.3 m long <b>806650231</b>
Fusion Fiber light cable bndl consisting of: Fiber light cable Ø 5 mm TL 2.3 m (80655023), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 5.0 mm, 2.3 m long <b>806550231</b>

## 3D ENDOSCOPE 10 MM

# free of distortion


 AUTOCLAVE  
 134° C / 273° F

	Direction of view	WL	TL	Ø	Product no.
3D endoscope 0° Ø 10 mm WL 300 mm	0°	300 mm	366 mm	10 mm	8934631
3D endoscope 0° Ø 10 mm WL 435 mm		435 mm	500 mm		89344631
3D endoscope 30° Ø 10 mm WL 301 mm	30°	301 mm	366 mm		8934632
3D endoscope 30° Ø 10 mm WL 435 mm		435 mm	501 mm		89344632

Recommended accessories	Product no.
Perforated basket for 3D telescope	38014
Fusion <b>Fiber light cable bndl</b> consisting of: Fiber light cable Ø 5 mm TL 2.3 m (80655023), projector-side, adapter (8095.07), and endoscope-side adapter (809509)	806550231

## TELESCOPES 10 MM

OPTIMIZED FOR 4K UHD AND ICG/NIR APPLICATION

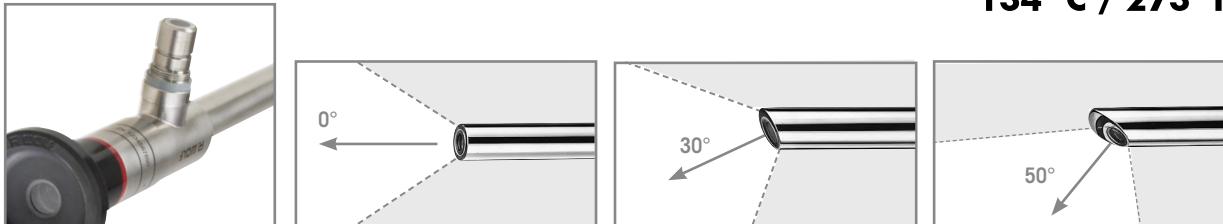
SHORT VERSION



**4K UHD**

**ICG NIR**

**AUTOCLAVE 134° C / 273° F**



	Direction of view	WL	GL	Ø	Product no.
PANOVIEW ULTRA Telescope 0° Ø 10 mm WL 305 mm	0°				<b>8934461</b>
PANOVIEW ULTRA Telescope 30° Ø 10 mm WL 305 mm	30°	305 mm	375 mm	10 mm	<b>8934462</b>
PANOVIEW ULTRA Telescope 50° Ø 10 mm WL 305 mm	50°				<b>8934463</b>

**Note:** Compatible with System green (see Imaging Catalog) (ICG/NIR-capable) and its recommended Fusion fiber light cable.

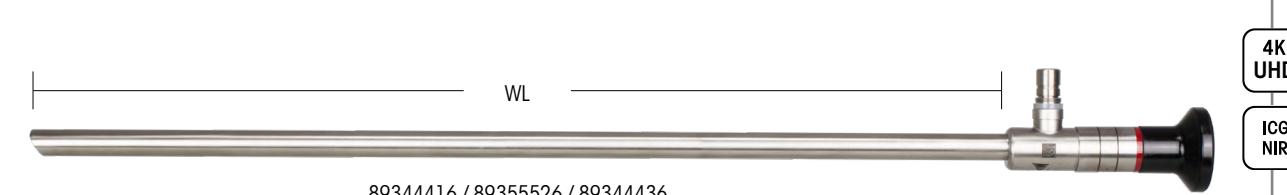
Recommended accessories	Product no.
Perforated basket for standard telescope 2	<b>38016</b>
Fiber lightcable bndl consisting of: Fiber light cable Ø 5 mm TL 2.3 m (80665023), projector-side adapter (8095.07), and endoscope-side adapter (809509)	<b>806650231</b>
Fusion Fiber light cable bndl consisting of: Fiber light cable Ø 5 mm TL 2.3 m (80655023), projector-side adapter (8095.07), and endoscope-side adapter (809509)	<b>806550231</b>



## TELESCOPES 10 MM

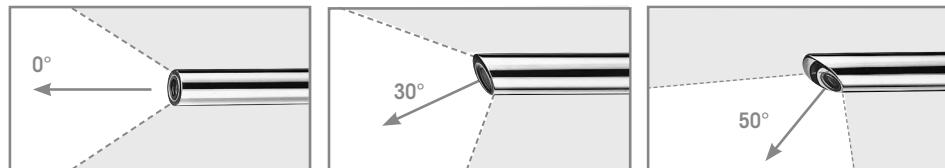
OPTIMIZED FOR 4K UHD AND ICG/NIR APPLICATION

LONG VERSION



89344416 / 89355526 / 89344436

**AUTOCLAVE 134° C / 273° F**

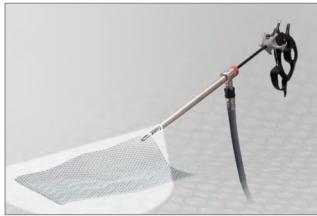


	Direction of view	WL	GL	Ø	Product no.
PANOVIEW ULTRA Telescope 0° Ø 10mm WL 440mm	0°				<b>89344416</b>
PANOVIEW ULTRA Telescope 30° Ø 10mm WL 440mm	30°	440 mm	510 mm		<b>89344426</b>
PANOVIEW ULTRA Telescope 50° Ø 10mm WL 440mm	50°				<b>89344436</b>

**Note:** Compatible with System green (see Imaging Catalog) (ICG/NIR-capable) and its recommended Fusion fiber light cable.

Recommended accessories	Product no.
Perforated basket for standard telescope 3	<b>38017</b>
Fiber light cable bndl consisting of: Fiber light cable Ø 5 mm TL 2.3 m (80665023), projector-side adapter (8095.07), and endoscope-side adapter (809509)	<b>806650231</b>
Fusion Fiber light cable bndl consisting of: Fiber light cable Ø 5 mm TL 2.3 m (80655023), projector-side adapter (8095.07), and endoscope-side adapter (809509)	<b>806550231</b>

## LIGHT TUBE FOR MILOS METHOD (MINI LESS OPEN SUBLAY METHOD)




**AUTOCLAVE  
134° C / 273° F**

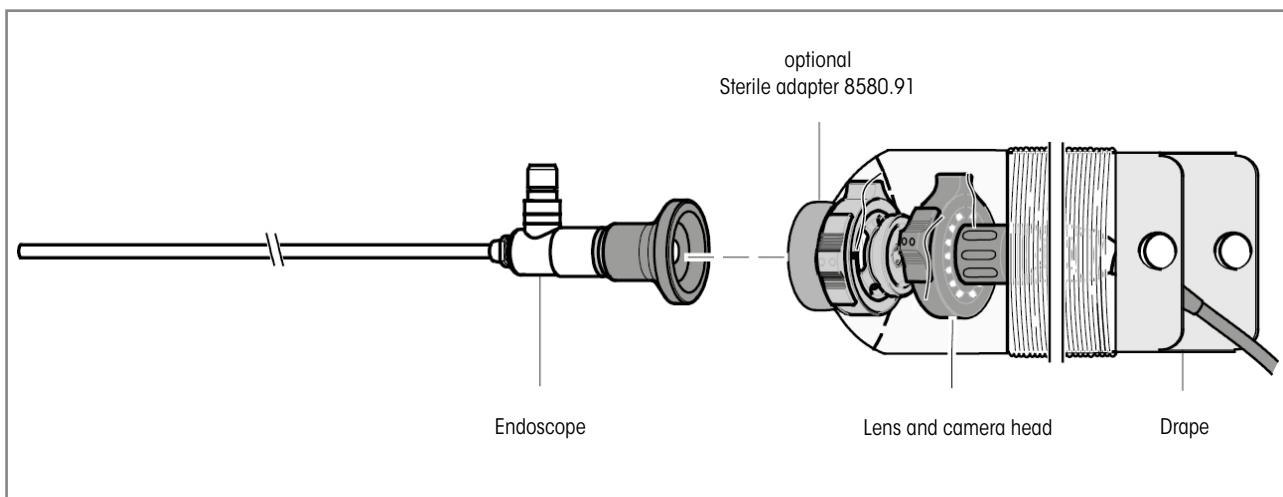
**3**

	<b>Ø</b>	<b>TL</b>	<b>Product no.</b>
 <b>Light tube for MILOS method Ø 10 mm</b> Instrument channel for 5 mm instruments	10 mm	200 mm	<b>893420</b>

Recommended accessories	Product no.
<b>Fiber light cable bndl</b> consisting of: Fiber light cable Ø 5 mm, TL 2.3 m (80665023), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 5.0 mm, 2.3 m long <b>806650231</b>
Fusion <b>Fiber light cable bndl</b> consisting of: Fiber light cable Ø 5 mm, TL 2.3 m (80655023), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 5.0 mm, 2.3 m long <b>806550231</b>
Sealing cap, sulfur yellow, cap. 1.3 mm	<b>8934201</b>

LAPAROSCOPES  
ACCESSORIES

			Product no.
	<b>Sterile adapter</b>	immersible and autoclavable for changing telescopes	<b>8580.91</b>



## TROCAR SLEEVES 2.2 / 2.5 MM

				Tip triangular
				
Plastic sheath tube with thread	WL	Capacity	Product no.	WL 82 mm
Trocar sleeve capacity 2.2 mm WL 60 mm with universal sealing valve	60 mm	2.2 mm	8309.072	8309.121

				Tip triangular
				
Trocar sleeve with insufflation connector	WL	Capacity	Product no.	WL 82 mm
Trocar sleeve capacity 2.5 mm WL 55 mm	55 mm	2.5 mm	8309.012	8309.121
				WL 119 mm
Trocar sleeve capacity 2.5 mm WL 95 mm	95 mm	2.5 mm	8309.014	8309.123

Accessories	Product no.
Rubber cap capacity 0.8 mm (PACK= 10 PCS) red	88.01

## TROCAR SLEEVES 3.5 MM WITH INSUFFLATION STOPCOCK

RIWO-ART trocar sleeves with magnetic ball valve with insufflation stopcock				Tip tapered/blunt	Tip triangular
					
				Trocar tip blunt Size 3.5 mm	Trocar tip triangular Size 3.5 mm
Stainless steel sheath tube, smooth	WL	Capacity	Product no.	WL 169 mm	WL 169 mm
Trocar sleeve straight capacity 3.5 mm WL 100 mm	100 mm	3.5 mm	8903.014	8903.103	8903.123
Plastic sheath tube with thread					
Trocar sleeve straight capacity 3.5 mm WL 100 mm	100 mm	3.5 mm	8903.034	8903.103	8903.123
				WL 129 mm	WL 129 mm
Trocar sleeve slanted capacity 3.5 mm WL 60 mm	60 mm	3.5 mm	8903.072	8903.101	8903.121

Accessories	Product no.
Spare ball capacity 5.5 mm	8921.901
Spare O rings capacity 3.5 mm (PACK= 10 PCS), capacity Ø 3.5–5.5 mm	8921.951
Sealing cap capacity 2.4–3.4 mm (PACK= 10 PCS) red	89.01
Stopcock insert bndl cap. 3.0 mm (PACK= 5 PCS)	896.0002

Trocar sleeve with membrane valve				Tip tapered/blunt
				
				Trocar tip blunt Size 3.5 mm
Plastic sheath tube with distal screw anchor	WL	Capacity	Product no.	WL 169 mm
Trocar sleeve straight capacity 3.5 mm WL 40 mm	40 mm	3.5 mm	8929.223	8903.103

## TROCAR SLEEVES 5.5 MM

RIWO-ART trocar sleeves with magnetic ball valve with insufflation stopcock		Tip tapered/blunt	Tip tapered/ pointed	Tip triangular
		Trocars tip blunt Size 5.5 mm	Trocars tip pointed Size 5.5 mm	Trocars tip triangular Size 5.5 mm
<b>Stainless steel sheath tube</b>	<b>WL</b>	<b>Capacity</b>	<b>Product no.</b>	<b>WL 169 mm</b>
<b>Trocars sleeve straight capacity 5.5 mm WL 100 mm smooth</b>		100 mm	5.5 mm	<b>8921.014</b> <b>8921.103</b> <b>8921.113</b> <b>8921.123</b>
<b>Trocars sleeve slanted capacity 5.5 mm WL 100 mm smooth</b>		100 mm	5.5 mm	<b>8921.013</b> <b>8921.103</b> <b>8921.113</b> <b>8921.123</b>
<b>Trocars sleeve straight capacity 5.5 mm WL 100 mm with thread</b>		100 mm	5.5 mm	<b>8921.024</b> <b>8921.103</b> <b>8921.113</b> <b>8921.123</b>
<b>Trocars sleeve slanted capacity 5.5 mm WL 100 mm with thread</b>		100 mm	5.5 mm	<b>8921.023</b> <b>8921.103</b> <b>8921.113</b> <b>8921.123</b>
<b>Plastic tube Trocars sleeve straight capacity 5.5 mm WL 100 mm with thread</b>		100 mm	5.5 mm	<b>8921.034</b> <b>8921.103</b> <b>8921.113</b> <b>8921.123</b>
				<b>WL 219 mm</b>
<b>Trocars sleeve straight capacity 5.5 mm WL 150 mm smooth</b>		150 mm	5.5 mm	<b>8921.016</b> <b>8921.105</b> <b>8921.115</b> <b>8921.125</b>
<b>Trocars sleeve straight capacity 5.5 mm WL 150 mm with thread</b>		150 mm	5.5 mm	<b>8921.026</b> <b>8921.105</b> <b>8921.115</b> <b>8921.125</b>

Accessories	Product no.
<b>Spare ball capacity 5.5 mm</b>	<b>8921.901</b>
<b>Spare O rings capacity 3.5 mm (PACK= 10 PCS), capacity Ø 3.5–5.5 mm</b>	<b>8921.951</b>
<b>Sealing cap capacity 3.4–5.1 mm (PACK= 10 PCS) blue</b>	<b>89.02</b>
<b>Stopcock insert bndl cap. 3.0 mm (PACK= 5 PCS)</b>	<b>896.0002</b>

## TROCAR SLEEVES 5.5 MM

RIWO-ART trocar sleeves with magnetic ball valve		Tip tapered/blunt	Tip tapered/ pointed	Tip triangular
Stainless steel sheath tube	WL	Capacity	Product no.	WL 129 mm
Trocars sleeve straight capacity 5.5 mm WL 60 mm smooth	60 mm	5.5 mm	8921.052	8921.101
Trocars sleeve slanted capacity 5.5 mm WL 60 mm smooth	60 mm	5.5 mm	8921.051	8921.101
Trocars sleeve straight capacity 5.5 mm WL 60 mm with thread	60 mm	5.5 mm	8921.062	8921.101
Trocars sleeve slanted capacity 5.5 mm WL 60 mm with thread	60 mm	5.5 mm	8921.061	8921.101
Plastic tube Trocars sleeve straight capacity 5.5 mm WL 60 mm with thread	60 mm	5.5 mm	8921.072	8921.101
				WL 169 mm
Trocars sleeve straight capacity 5.5 mm WL 100 mm smooth	100 mm	5.5 mm	8921.054	8921.103
Trocars sleeve straight capacity 5.5 mm WL 100 mm with thread	100 mm	5.5 mm	8921.053	8921.103

Accessories	Product no.
Spare ball capacity 5.5 mm	8921.901
Spare O rings capacity 3.5 mm (PACK= 10 PCS), capacity Ø 3.5–5.5 mm	8921.951
Sealing cap capacity 3.4–5.1 mm (PACK= 10 PCS) blue	89.02

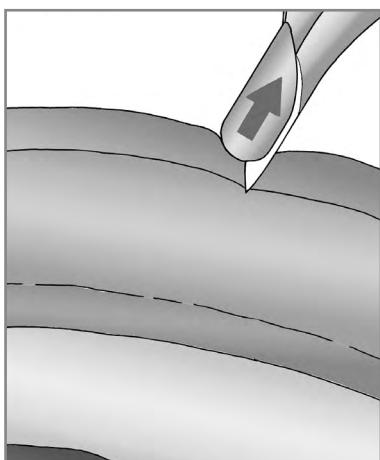
# TROTEC

## TROCAR WITH AUTOMATIC PROTECTIVE FUNCTION

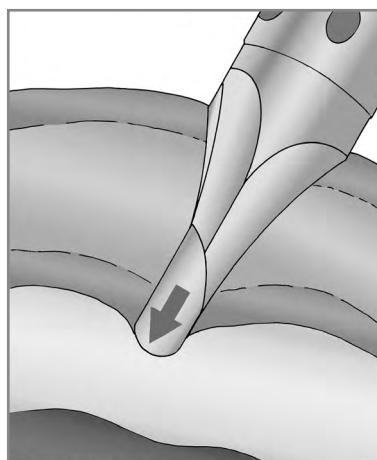
### FOR A SINGLE PORT OPERATIONAL PROCEDURE

Trocar consisting of:		Product no.	for RIWO-ART trocar sleeve with WL 100 mm, Ø 5,5 mm
<b>Sheath with trocar tip Size 5.5 mm WL 181 mm</b>	<b>Tapered tip</b> 	<b>8921.132</b>	
<b>Sheath with trocar tip Size 5.5 mm WL 181 mm</b>	<b>Two-sided tip</b> 	<b>8921.134</b>	
<b>Spring-loaded protective rod WL 184 mm</b>		<b>8923.135</b>	

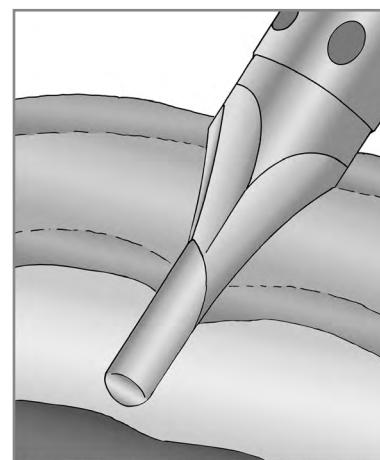
Accessories	Product no.
<b>Protective cap</b>	<b>8923.991</b>



Protective tip automatically pushes back into the cannula through contact with the abdominal wall



The protective tip advances into the free abdomen immediately after penetration of the peritoneum



The atraumatic protective tip in a far distal position prevents perforation of organs and vessels

## TROCAR SLEEVE 5.5 MM/5.8 MM

## PLASTIC WITH SEALING MEMBRANE

 <b>AUTOCLAVE 134° C / 273° F</b>					Tip tapered/blunt	Tip tapered/pointed	Tip triangular			
Flexible plastic sheath tube with thread		WL	Capacity	with stopcock	Trocar tip blunt Size 5.5 mm	Trocar tip pointed Size 5.5 mm	Trocar tip triangular Size 5.5 mm			
Trocar sleeve straight capacity 5.5 mm WL 62 mm with membrane valve	62 mm	5.5 mm	●	8919.333	8919.3311	8919.3312	8919.3313			
				8919.331						
						WL 144 mm	WL 144 mm			
Trocar sleeve straight capacity 5.5 mm WL 102 mm with membrane valve	102 mm	5.5 mm	●	8919.353	8919.3511	8919.3512	8919.3513			
				8919.351						
for curved instruments					Tip tapered/blunt	Tip tapered/pointed	Tip triangular			
 <b>AUTOCLAVE 134° C / 273° F</b>					Trocar tip blunt Size 5.5 mm	Trocar tip pointed Size 5.5 mm	Trocar tip triangular Size 5.5 mm			
Flexible plastic sheath tube with thread		WL	Capacity	Product no.						
Trocar sleeve straight capacity 5.8 mm WL 62 mm with membrane valve	62 mm	5.8 mm	8905.331	8905.3311	8905.3312	8905.3313	8905.3315			
				8905.331						
						WL 120 mm	WL 120 mm			
Trocar sleeve straight capacity 5.8 mm WL 102 mm with membrane valve	102 mm	5.8 mm	8905.3515	8905.3511	8905.3512	8905.3513	8905.3515			
				8905.3515						

Accessories	Product no.
Sealing membrane Ø 17 mm, yellow (PACK= 10 PCS)	89.103
Stopcock insert bndl cap 3.0 mm (PACK= 5 PCS)	896.0002

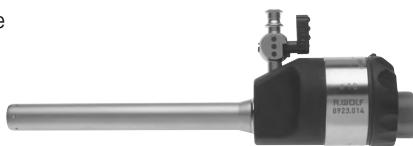
## TROCAR SLEEVE 5.7 MM/7 MM/10 MM/12.5 MM

### FLEXIBLE PLASTIC SHEATH TUBE

				<b>Tip</b> tapered/blunt 
<b>Flexible plastic sheath tube with thread</b>				<b>Trocar tip blunt</b>
WL	Capacity	Product no.		Size 5.5 mm/WL 83 mm
60 mm	5.7 mm	<b>8906.051</b>		<b>8906.151</b>

				<b>Tip</b> tapered/blunt 
<b>Ribbed flexible plastic sheath tube</b>				<b>Trocar tip blunt</b>
WL	Capacity	Product no.		Size 7.3 mm/TL 108 mm
74 mm	7 mm	<b>8906.001</b>		<b>8913.11</b>
				Size 10 mm/TL 85 mm
<b>Trocar sleeve flexible capacity 10 mm WL 56 mm with universal seal</b>				<b>8906.111</b>
56 mm	10 mm	<b>8906.011</b>		
				Size 12.5 mm/TL 86 mm
<b>Trocar sleeve flexible capacity 12.5 mm WL 57 mm with universal seal</b>				<b>8906.131</b>
57 mm	12.5 mm	<b>8906.031</b>		

TROCAR SLEEVE 10 MM  
 WITH INSUFFLATION STOPCOCK

RIWO-ART trocar sleeves with magnetic ball valve		Tip		Tip		Tip	
		tapered/blunt	tapered/pointed	triangular	tapered/blunt Size 10 mm	tapered/pointed Size 10 mm	triangular Size 10 mm
Stainless steel sheath tube		WL	Capacity	Product no.	WL 164 mm	WL 164 mm	WL 164 mm
Trocar sleeve straight capacity 10 mm WL 100 mm		100 mm	10 mm	8923.014	8923.103	8923.113	8923.123
Trocar sleeve slanted capacity 10 mm WL 100 mm		100 mm	10 mm	8923.013	8923.103	8923.113	8923.123
Trocar sleeve straight capacity 10 mm WL 100 mm with thread		100 mm	10 mm	8923.024	8923.103	8923.113	8923.123
Trocar sleeve slanted capacity 10 mm WL 100 mm with thread		100 mm	10 mm	8923.023	8923.103	8923.113	8923.123
					WL 214 mm	WL 214 mm	WL 214 mm
Trocar sleeve straight capacity 10 mm WL 150 mm		150 mm	10 mm	8923.016	-	8923.115	8923.125
Trocar sleeve straight capacity 10 mm WL 150 mm with thread		150 mm	10 mm	8923.026	-	8923.115	8923.125

Accessories	Product no.
Spare ball capacity 7 mm	8923901
Spare O rings capacity 7 mm (PACK= 10 PCS), capacity Ø 7–12.5 mm	8923951
Sealing cap capacity 9.5–10.1 mm (PACK= 10 PCS) red	8908
Stopcock insert bndl cap. 3.0 mm (PACK= 5 PCS)	896.0002

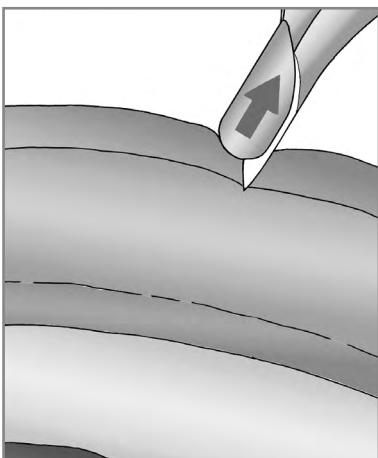
# TROTEC

## TROCAR WITH AUTOMATIC PROTECTIVE FUNCTION

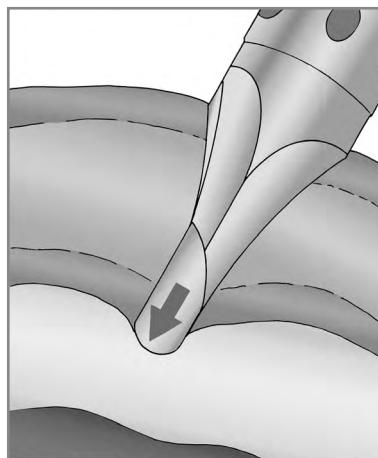
### FOR TROCAR SLEEVES 10 MM

Trocar consisting of:		Product no.	for RIWO-ART trocar sleeve with WL 100 mm, Ø 10 mm
<b>Sheath with trocar tip Size 10 mm WL 181 mm</b>	<b>Tapered tip</b> 	<b>8923.132</b>	
<b>Sheath with trocar tip Size 10 mm WL 181 mm</b>	<b>Two-sided tip</b> 	<b>8923.134</b>	
<b>Spring-loaded protective rod WL 184 mm</b>		<b>8923.135</b>	

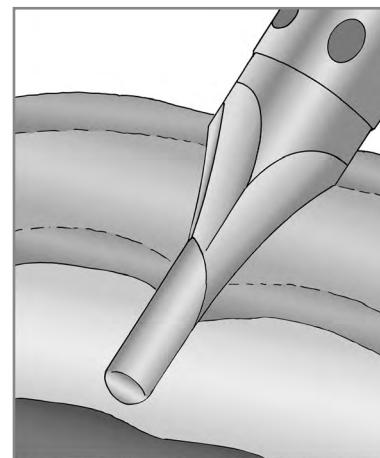
Accessories	Product no.
<b>Protective cap</b>	<b>8923.991</b>



Protective tip automatically pushes back into the cannula through contact with the abdominal wall



The protective tip advances into the free abdomen immediately after penetration of the peritoneum



Theatraumatic protective tip in a far distal position prevents perforation of organs and vessels

## HIGH FLOW TROCAR SLEEVE 10 MM WITH CONNECTOR FOR HIGH FLOW INSUFFLATION TUBE

RIWO-ART trocar sleeves with magnetic ball valve		Tip tapered/blunt	Tip tapered/pointed	Tip triangular
		Trocar tip blunt Size 10 mm	Trocar tip pointed Size 10 mm	Trocar tip triangular Size 10 mm
Stainless steel sheath tube	WL	Capacity	Product no.	WL 164 mm
Trocar sleeve straight capacity 10 mm WL 100 mm	100 mm	10 mm	8923.042	8923.103    8923.113    8923.123
for this:				Product no.
Reducing adapter (PACK= 5 PCS)		for reduction from Ø 7 mm, Ø 10 mm, and Ø 12.5 mm to Ø 5.5 mm		8923802

Accessories	Product no.
Spare ball capacity 7 mm	8923901
Spare O rings capacity 7 mm (PACK= 10 PCS), capacity Ø 7–12.5 mm	8923951
Sealing cap capacity 9.5–10.1 mm (PACK= 10 PCS) red	8908

## TROCAR SLEEVE 12.5 MM

## WITH INSUFFLATION STOPCOCK

RIWO-ART trocar sleeves with magnetic ball valve		Tip		Tip	Tip	
		tapered/blunt	tapered/pointed	triangular	triangular	
		Trocar tip blunt Size 12.7 mm	Trocar tip pointed Size 12.7 mm		Trocar tip triangular Size 12.7 mm	
Stainless steel sheath tube		WL	Capacity	Product no.	WL 164 mm	WL 164 mm
Trocar sleeve straight capacity 12.5 mm WL 100 mm		100 mm	12.5 mm	8924.014	8924.103	8924.113
Trocar sleeve slanted capacity 12.5 mm WL 100 mm		100 mm	12.5 mm	8924.013	8924.103	8924.113
					WL 214 mm	WL 214 mm
Trocar sleeve straight capacity 12.5 mm WL 150 mm with thread		150 mm	12.5 mm	8924.026	-	8924.115
Trocar sleeve straight capacity 12.5 mm WL 150 mm		150 mm	12.5 mm	8924.016	-	8924.115
for this:						
Reducing adapter (PACK= 5 PCS)				for reduction from Ø 10 mm to Ø 5.5 mm and Ø 12.5 mm to Ø 5.5 mm		8923.802
				for reduction from Ø 12.5 mm to Ø 10 mm		8924.802

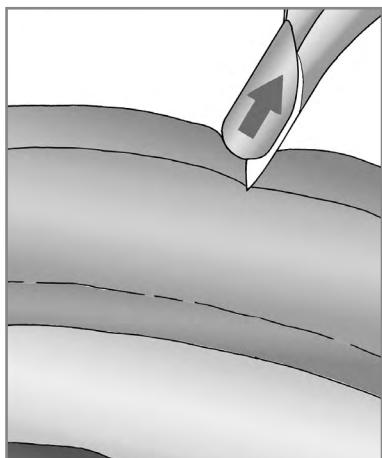
Accessories	Product no.
Spare ball capacity 7 mm	8923.901
Spare O rings capacity 7 mm (PACK= 10 PCS), capacity Ø 7–12.5 mm	8923.951
Sealing cap capacity 9.5–10.1 mm (PACK= 10 PCS) red	89.08
Stopcock insert bndl cap. 3.0 mm (PACK= 5 PCS)	896.0002

**TROTEC**  
**TROCAR WITH AUTOMATIC PROTECTIVE FUNCTION**  
**FOR TROCAR SLEEVES 12.5 MM**

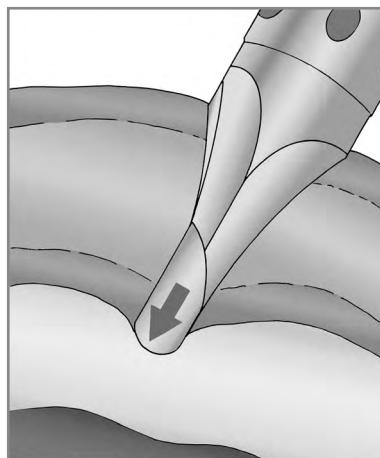


Trocar consisting of:		Product no.	for RIWO-ART trocar sleeve with WL 100 mm, Ø 12,5 mm
<b>Sheath with trocar tip Size 12.5 mm WL 181 mm</b>	<b>Two-sided tip</b> 	<b>8924.134</b>	
<b>Spring-loaded protective rod WL 184 mm</b>		<b>8923.135</b>	

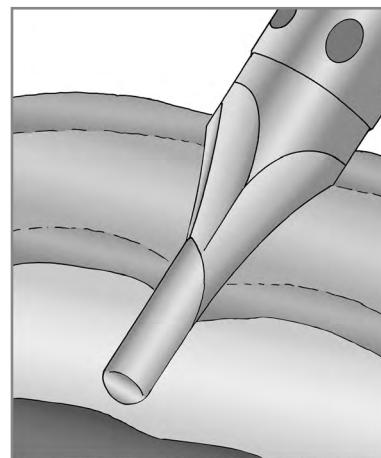
Accessories	Product no.
<b>Protective cap</b>	<b>8923.991</b>



Protective tip automatically pushes back into the cannula through contact with the abdominal wall



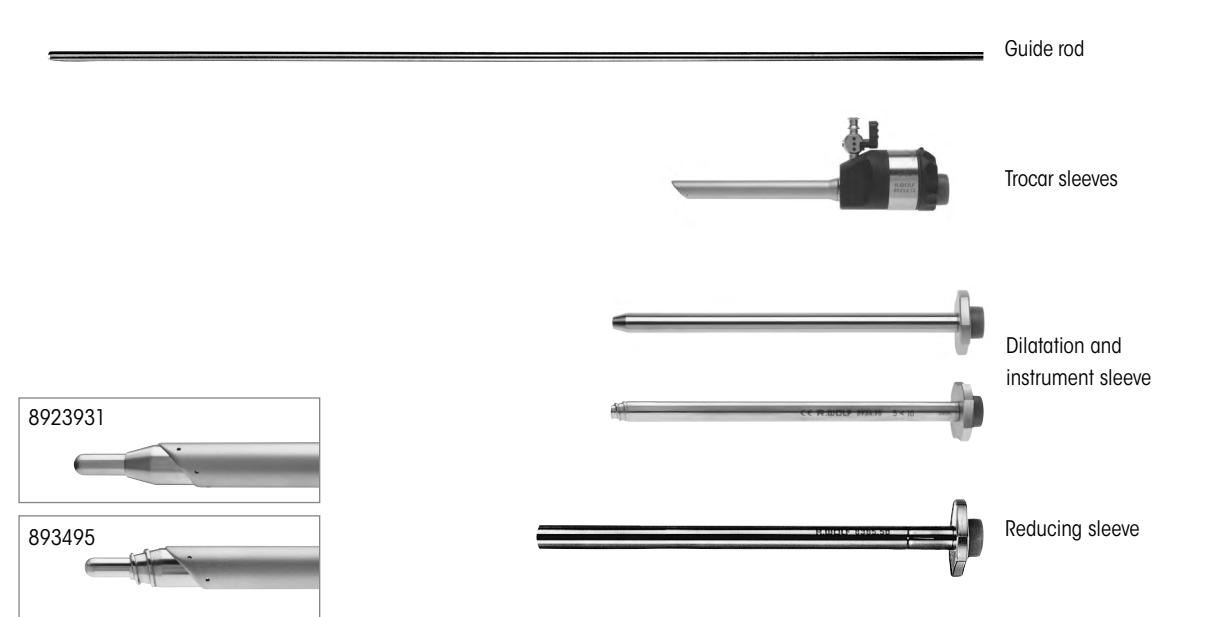
The protective tip advances into the free abdomen immediately after penetration of the peritoneum



Theatraumatic protective tip in a far distal position prevents perforation of organs and vessels

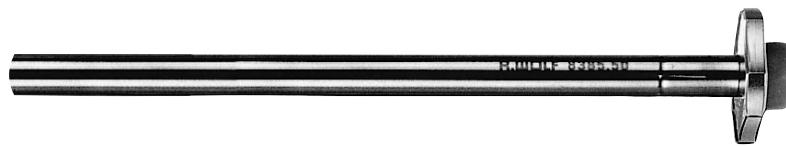
## DILATATION AND EXTRACTION INSTRUMENTS

5.5 TO 10/10 TO 12.5 MM



Incision widening	Guide rod	Trocarsleeve slanted	Dilatationsleeve	Instrument sleeve	Reducing sleeve
3.5 mm < 5.5 mm	-	<b>8921.013</b> capacity 5.5 mm WL 100 mm			<b>8383.78</b> Size 5 mm L 155 mm
5.5 mm < 10 mm	<b>8923.921</b> 5 mm TL 500 mm	<b>8923.013</b> capacity 10 mm WL 100 mm	<b>8923.931</b> Size 10 mm WL 170 mm	<b>8385.50</b> 10 mm WL 170 mm	
5.0 mm < 10 mm	<b>8934.951</b> 5 mm TL 500 mm		<b>8934.95</b> Size 10 mm WL 172 mm		
10 mm < 12.5 mm		<b>8924.013</b> capacity 12.5 mm WL 100 mm			<b>8941.901</b> 12 mm WL 180 mm
5.5 mm < 12.5 mm					<b>8941.951</b> 12 mm WL 180 mm
10 mm < 15 mm	<b>8943.901</b> 10 mm TL 500 mm				

## REDUCING SLEEVES FOR RIWO-ART TROCAR SLEEVES



Stainless steel sheath tube	Outer Ø	WL	for instruments	Product no.
Reducing sleeve Size 5 mm WL 155 mm	5 mm	155 mm	3.5 mm	<b>8383.78</b>
Instrument sleeve 10 mm WL 170 mm	10 mm	170 mm	5.5 mm	<b>8385.50</b>
Reducing sleeve 12 mm WL 180 mm	12 mm	180 mm	10 mm	<b>8941.901</b>
Reducing sleeve 12 mm WL 180 mm	12 mm	180 mm	5.5 mm	<b>8941.951</b>
for this:				
Reducing adapter (PACK= 5 PCS)		for reduction from Ø 7 mm, Ø 10 mm, and Ø 12.5 mm to Ø 5.5 mm		<b>8923802</b>
		for reduction from Ø 12.5 mm to Ø 10 mm		<b>8924802</b>

Accessories	Product no.
Sealing cap capacity 3.4–5.1 mm (PACK= 10 PCS) blue	<b>89.02</b>
Sealing cap capacity 9.5–10.1 mm (PACK= 10 PCS) red	<b>8908</b>

## VERES CANNULAS

FOR CREATION OF THE PNEUMOPERITONEUM

	Outer Ø	WL	Product no.
	2.1 mm	150 mm	<b>8302.15</b>
		120 mm	<b>8302.12</b>
		80 mm	<b>8302.08</b>
<b>for this:</b>			
Tube with Luer-Lock connector			<b>886.00</b>

Accessories	Product no.
Stopcock insert bndl cap. 3.0 mm (PACK= 5 PCS)	<b>896.0002</b>

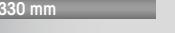
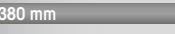
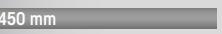
# ERAGON modular

## THE LAPAROSCOPIC TOOLBOX

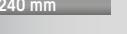
**The toolbox principle**

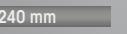
**ERAGONmodular** allows the surgeon to create their ideal laparoscopic set. Ergonomic handles, diameters relevant to all medical practice, useful working lengths, and a range of jaw sections can be combined as necessary. This universal compatibility also ensures that individual trays can comprise fewer instruments – for more efficiency and one way of cutting costs

**Choose working length**   **Choose jaw insert**   **Choose sheath tube**   **Choose handle**

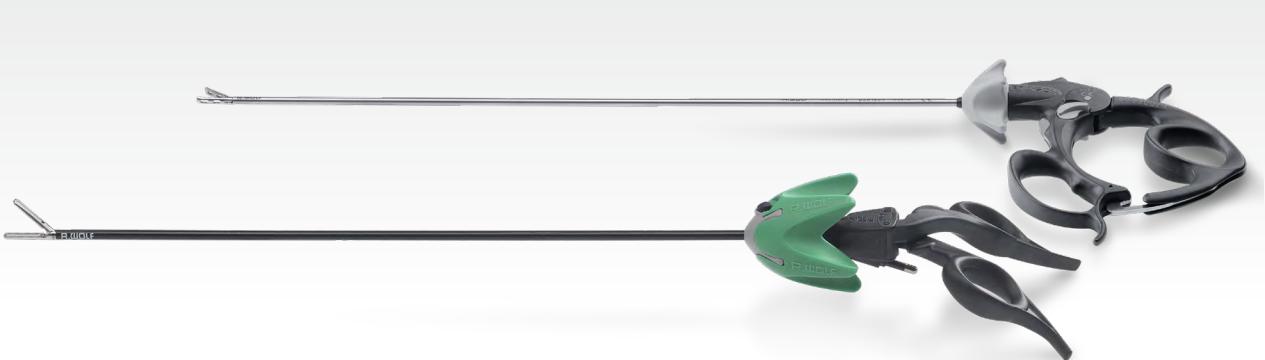
Ø	330 mm	380 mm	450 mm
10.0 mm			

Ø	260 mm	330 mm	450 mm
5.0 mm			

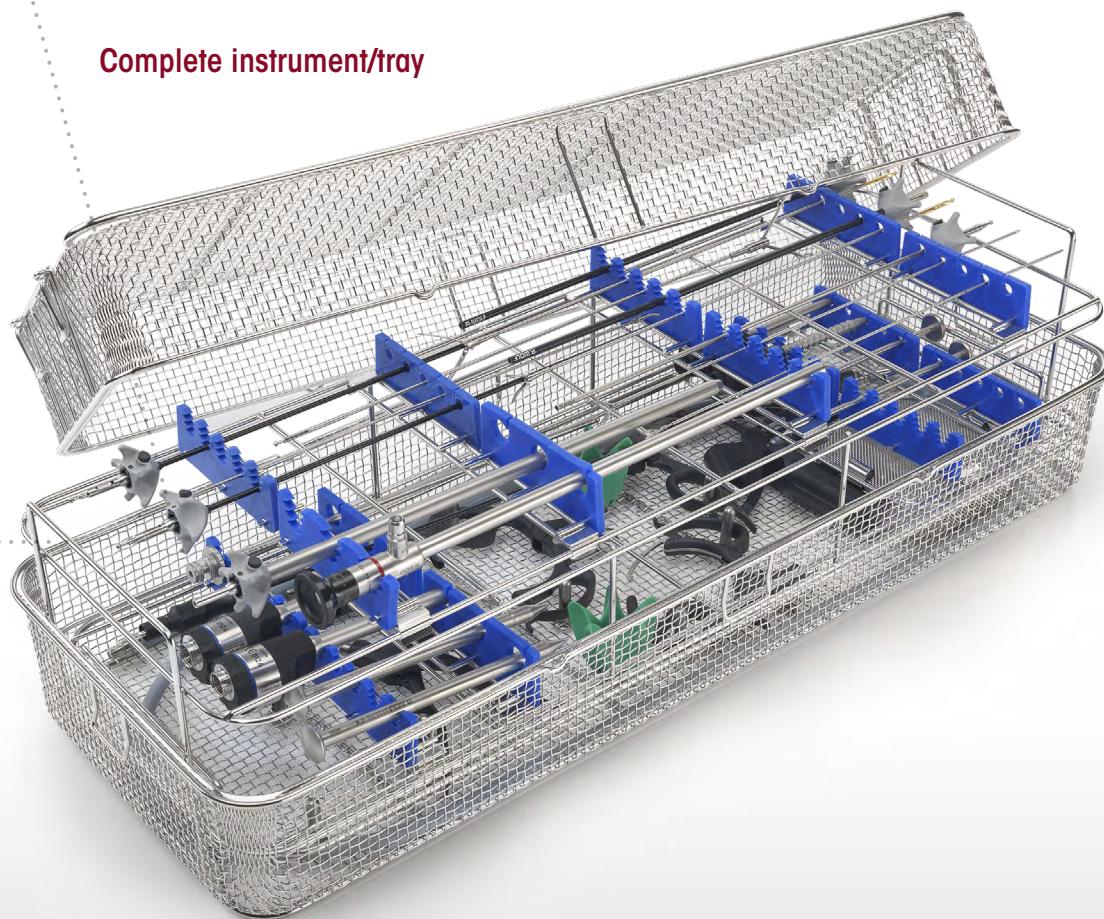
Ø	240 mm	330 mm
3.5 mm		

Ø	240 mm
2.0 mm	





Complete instrument/tray



**ERAGON** modular  
**ERAGON** micro  
Ø 2 MM, INSULATED

ERAGONaxial		Handle, axial		
Rotatable knob	Product no.	without lock, with HF connector	without lock, with HF connector	
	8988	83930083	83930084	

Jaw insert		Sheath tube, Ø 2.0 mm, insulated		Handle, pistol-shaped	Complete instrument • Jaw insert with sheath tube • Handle
	JL*	Product no.	WL 240 mm	without lock, with HF, mono	Product no.
	7 mm	8388200	•	•	<b>83882007</b>
straight, double-action					
	7 mm	8388201	•	•	<b>83882017</b>
straight, double-action					
	7 mm	8388202	•	•	<b>83882027</b>
fenestrated, double-action					

\* JL = jaw length when jaw section closed (approximate measurements)  
HF connection cable: see sheet GYN114/115

**ERAGON** *modular* *micro*  
Ø 2 MM, INSULATED

Jaw insert	Sheath tube, Ø 2.0 mm, insulated	Handle, pistol-shaped	Complete instrument • Jaw insert with sheath tube • Handle
	WL 240 mm	with lock, with HF, mono	
	JL*	Product no.	Product no.
Grasping forceps mono Ø 2 mm bndl  double-action	7 mm	8388203	83882037

\* JL = jaw length when jaw section closed (approximate measurements)  
HF connection cable: see sheet GYN114/115

Accessories for manual and machine reprocessing	Product no.
	163502

**ERAGON** modular

Ø 3.5 MM, INSULATED

<b>ERAGON</b> <small>axial</small>		Handle, axial		
		without lock, with HF connector	without lock, with HF connector	
Rotatable knob	Product no.	83930083	83930084	
	8988	•	•	

Jaw insert		Sheath tube, Ø 3.5 mm, insulated		Handle, pistol-shaped	Complete instrument • Jaw insert with sheath tube • Handle	
	JL*	Product no.	WL 240 mm	WL 330 mm	with lock, with HF, mono	Product no.
	15 mm	8390207	•		•	<b>83902077</b>
		8391207		•	•	<b>83912077</b>
	18 mm	8390221	•		•	<b>83902217</b>
		8391221		•	•	<b>83912217</b>
	14 mm	8390222	•		•	<b>83902227</b>
		8391222		•	•	<b>83912227</b>
	14 mm	8390223	•		•	<b>83902237</b>
		8391223		•	•	<b>83912237</b>

\* JL = jaw length when jaw section closed (approximate measurements)

HF connection cable: see sheet GYN114/115

**ERAGON modular mini**
**Ø 3.5 MM, INSULATED**

Jaw insert		Sheath tube, Ø 3.5 mm, insulated		Handle, pistol-shaped		Complete instrument	
		WL 240 mm	WL 330 mm	without lock, with HF, mono	with lock, with HF, mono	<ul style="list-style-type: none"> <li>• Jaw insert with sheath tube</li> <li>• Handle</li> </ul>	
	JL*	Product no.	8390933	8391933	83930073	83930074	Product no.
 double-action	16 mm	8390215	•		•		<b>83902157</b>
		8391215		•	•		<b>83912157</b>
 fine-toothed, curved, double-action	14 mm	8390224	•		•		<b>83902247</b>
		8391224		•	•		<b>83912247</b>
 single-action	8 mm	8390227	•		•		<b>83902277</b>
		8391227		•	•		<b>83912277</b>
	12 mm	8390216	•			•	<b>83902167</b>
		8391216		•		•	<b>83912167</b>
	10 mm	8390217	•			•	<b>83902177</b>
		8391217		•		•	<b>83912177</b>

\* JL = jaw length when jaw section closed (approximate measurements)

HF connection cable: see sheet GYN114/115

Accessories for manual and machine reprocessing	Product no.
 Irrigation adapter Ø 9 mm, length 64 mm	<b>163502</b>

**ERAGON** modular **mini**
**Ø 3.5 MM, UNINSULATED**

<b>ERAGON</b> <small>axial</small>		Handle, axial		
		with lock, without HF connector	with lock, without HF connector, not rotatable	
Rotatable knob	Product no.	83930082	83930085	
	8988	•		

Jaw insert		Sheath tube, Ø 3.5 mm, uninsulated		Handle, pistol-shaped	Complete instrument • Jaw insert with sheath tube • Handle
	JL*	Product no.	WL 240 mm	WL 330 mm	with lock, without HF
	14 mm	8390208	•		•
		8391208		•	•
	17 mm	8390218	•		•
		8391218		•	•
	17 mm	8390225	•		•
		8391225		•	•
	19 mm	8390226	•		•
		8391226		•	•

\* JL = jaw length when jaw section closed (approximate measurements)

HF connection cable: see sheet GYN114/115

**ERAGON modular mini**

**Ø 3.5 MM, UNINSULATED**

Jaw insert		Sheath tube, Ø 3.5 mm, uninsulated		Handle, pistol-shaped		Complete instrument
		WL 240 mm	WL 330 mm	with lock, without HF		• Jaw insert with sheath tube • Handle
	JL*	Product no.	8390934	8391934	83930072	Product no.
	13 mm	8390219	•		•	83902197
		8391219		•	•	83912197
	17 mm	8390220	•		•	83902207
		8391220		•	•	83912207
	14 mm	8390209	•		•	83902097
		8391209		•	•	83912097
	19 mm	8390210	•		•	83902107
		8391210		•	•	83912107

\* JL = jaw length when jaw section closed (approximate measurements)

HF connection cable: see sheet GYN114/115

Accessories for manual and machine reprocessing	Product no.
	163503

## Ø 5.0 MM, INSULATED

<b>ERAGON</b> axial		Handle, axial				
		with lock	without lock, with HF connector	without lock, with HF connector	with lock, not rotatable	
Rotatable knob	Product no.	83930082	83930083	83930084	83930085	
	8988	•	•	•		

Jaw insert	Sheath tube, Ø 5.0 mm, insulated		Handle, pistol-shaped		Complete instrument • Jaw insert with sheath tube • Handle	
	JL	Product no.	SL 330 mm	SL 450 mm	with lock, with HF, mono	
 curved, with fine cross toothing, double-action	21 mm	8393.281	•		•	<b>83932817</b>
		8394.281		•	•	
 angled, fine, pyramid-shaped toothing, double-action	22 mm	8393.283	•		•	<b>83932837</b>
		8393.185	•		•	
 fenestrated, with fine cross toothing, 15 mm long, single-action	21 mm	8393.184	•		•	<b>83931857</b>
		8394.184		•	•	
 fenestrated, with fine cross toothing, 20 mm long, single-action	26 mm	8393.184	•		•	<b>83931847</b>
		8394.184		•	•	

\* JL = jaw length when jaw section closed (approximate measurements)

HF connection cable: see sheet GYN114/115

## Ø 5.0 MM, INSULATED

Jaw insert			Sheath tube, Ø 5.0 mm, insulated			Handle, pistol-shaped			Complete instrument
			SL 260 mm	SL 330 mm	SL 450 mm	with lock, without HF	without lock, with HF, mono	with lock, with HF, mono	• Jaw insert with sheath tube • Handle
	JL*	Product no.	8392933	8393933	8394933	83930072	83930073	83930074	Product no.
Dolphin dissector forceps mono Ø 5 mm bndl	17 mm	8393.285		•			•		83932857
angled, with fine cross-toothed, with channel, narrow, 15 mm long, double-action									
Dissector forceps mono Ø 5 mm bndl	23 mm	8393.289		•				•	83932897
fine pyramid-shaped toothed, narrow, 18 mm, double-action									
Atraumatic grasping forceps Ø 5 mm bndl	26 mm	8393.292		•			•		83932925
Channel with wavy tooth edge, 20 mm, single-action									
Atraumatic grasping forceps Ø 5 mm bndl	26 mm	8393.293		•			•		83932935
Channel with wavy tooth edge, 20 mm, double-action		8394.293				•	•		83942935
Grasping forceps, mono Ø 5 mm bndl	19 mm	8393.288		•				•	83932887
fine, pyramid-shaped toothed, narrow double-action									
Atraumatic grasping forceps mono Ø 5 mm bndl	19 mm	8392.181	•					•	83921817
fenestrated, with cross toothed, double-action		8393.181		•				•	83931817
		8394.181			•			•	83941817

\* JL = jaw length when jaw section closed (approximate measurements)

HF connection cable: see sheet GYN114/115

**Ø 5.0 MM, INSULATED**

<b>ERAGON axial</b> All jaw inserts and sheath tubes can also be combined with ERAGONaxial		Handle, axial				
		with lock	without lock, with HF connector	without lock, with HF connector	with lock, not rotatable	
Rotatable knob	Product no.	83930082	83930083	83930084	83930085	
	8988	•	•	•		

Jaw insert	Sheath tube, Ø 5.0 mm, insulated	Handle, pistol-shaped				Complete instrument • Jaw insert with sheath tube • Handle
		SL 330 mm	SL 450 mm	with lock, without HF	without lock, with HF, mono	
 smooth, double-action	JL*	8393933	8394933	83930072	83930073	Product no.
	18 mm	8393.195	•			• <b>83931957</b>
 Gripping surface with fine cross toothing, double-action	24 mm	8393.186	8394.187	•	•	<b>83931867</b>
	26 mm	8393.187	8394.187	•	•	• <b>83931877</b>
 atraumatic clamp, double-action	39 mm	8393190	•	•	•	<b>83931907</b>

\* JL = jaw length when jaw section closed (approximate measurements)

HF connection cable: see sheet GYN114/115

## Ø 5.0 MM, INSULATED

Jaw insert		Sheath tube, Ø 5.0 mm, insulated		Handle, pistol-shaped		Complete instrument	
						<ul style="list-style-type: none"> <li>• Jaw insert with sheath tube</li> <li>• Handle</li> </ul>	
	JL*	Product no.	SL 330 mm	SL 450 mm	with lock, without HF	with lock, with HF, mono	Product no.
	48 mm	8393191	•		•		<b>83931917</b>
atraumatic clamp, double-action							
	17 mm	8393.485	•			•	<b>83934857</b>
with a row of teeth, double-action							
	19 mm	8393.486	•			•	<b>83934867</b>
with one tooth, fine cross toothing, narrow, double-action							
	17 mm	8393.487	•			•	<b>83934877</b>
with two teeth, fine cross toothing, single-action							
	26 mm	8393.490	•		•		<b>83934907</b>
with two teeth wavy gripping surface, double-action		8394.490		•	•		<b>83944907</b>
	17 mm	8393.282	•			•	<b>83932827</b>
angled 30° to the left, with cross toothing, single-action							

\* JL = jaw length when jaw section closed (approximate measurements)

HF connection cable: see sheet GYN114/115

## Ø 5.0 MM, INSULATED

ERAGON axial		Handle, axial				
		with lock	without lock, with HF connector	without lock, with HF connector	with lock, not rotatable	
Rotatable knob	Product no.	83930082	83930083	83930084	83930085	
	8988		•	•	•	

Jaw insert	Sheath tube, Ø 5.0 mm, insulated		Handle, pistol-shaped			Complete instrument
	JL	Product no.	SL 330 mm	with lock, without HF	without lock, with HF, mono	• Jaw insert with sheath tube • Handle
 R.WOLF fenestrated with fine cross toothing, double-action	18 mm	8393.182	•			•
 R.WOLF with cross toothing, double-action	21 mm	8393.183	•		•	83931837
 R.WOLF distal cross toothing with channel, double-action	15 mm	8393.287	•		•	83932877
 R.WOLF double-action	27 mm	8393.494	•	•		83934945

\* JL = jaw length when jaw section closed (approximate measurements)

HF connection cable: see sheet GYN114/115

## Ø 5.0 MM, INSULATED

Jaw insert		Sheath tube, Ø 5.0 mm, insulated		Handle, pistol-shaped			Complete instrument
				with lock, without HF	without lock, with HF, mono	with lock, with HF, mono	• Jaw insert with sheath tube • Handle
		SL 330 mm	SL 450 mm				
	JL*	Product no.					Product no.
<b>Myoma grasping forceps Ø 5 mm bndl</b> 	29 mm	8393.488	•		•		<b>83934887</b>
2x3-claw, single-action							
<b>Universal grasping forceps mono Ø 5 mm bndl</b> 	18 mm	8393.481	•				<b>83934817</b>
with pyramid-shaped toothing and cross toothing, double-action							
<b>Universal grasping forceps Ø 5 mm bndl</b> 	26 mm	8393.482	•		•		<b>83934827</b>
pyramid-shaped toothing and cross toothing, double-action							
<b>Grasping forceps mono Ø 5 mm bndl</b> 	20 mm	8393.483	•				<b>83934837</b>
Pike-mouth, double-action							
<b>Biopsy forceps mono Ø 5 mm bndl</b> 	13 mm	8393.091	•			•	<b>83930917</b>
with spikes, double-action		8394.091		•		•	<b>83940917</b>
<b>Biopsy forceps mono Ø 5 mm bndl</b> 	14 mm	8393.092	•			•	<b>83930927</b>
severing, single-action		8394.092		•		•	<b>83940927</b>

\* JL = jaw length when jaw section closed (approximate measurements)

HF connection cable: see sheet GYN114/115

**Ø 5.0 MM, INSULATED**

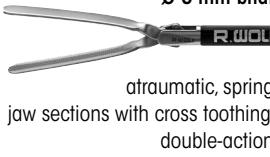
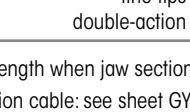
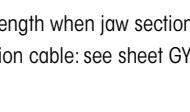
<b>ERAGON</b> axial		Handle, axial				
		with lock	without lock, with HF connector	without lock, with HF connector	with lock, not rotatable	
Rotatable knob	Product no.	83930082	83930083	83930084	83930085	
	8988	•	•	•		

Jaw insert		Sheath tube, Ø 5.0 mm, insulated		Handle, pistol-shaped		Complete instrument • Jaw insert with sheath tube • Handle
	JL	SL 330 mm	SL 450 mm	with lock, without HF	without lock, with HF, mono	Product no.
	20 mm	8393.093	8394.933	83930072	83930073	83930937
pointed spoon forceps, single-action		•			•	
	17 mm	8393.345	8394.345		•	83933457
with distal recess, double-action		•	•	•	•	83943457
	37 mm	8393.188	8394.188		•	83931887
spring jaw sections fenestrated with cross toothing, double-action		•		•		
	47 mm	8393.189	8394.189		•	83931897
spring jaw sections fenestrated with cross toothing, double-action		•	•	•	•	83941897

\* JL = jaw length when jaw section closed (approximate measurements)

HF connection cable: see sheet GYN114/115

## Ø 5.0 MM, INSULATED

Jaw insert		Sheath tube, Ø 5.0 mm, insulated		Handle, pistol-shaped		Complete instrument	
						<ul style="list-style-type: none"> <li>• Jaw insert with sheath tube</li> <li>• Handle</li> </ul>	
						Product no.	
	JL*	Product no.	SL 330 mm	SL450 mm	with lock, without HF	with lock, with HF, mono	Complete instrument
	47 mm	8393.291	•		•		83932917
	18 mm	8393192	•			•	83931927
	16 mm	8394192		•		•	83941927
	24 mm	8393193	•		•		83931937
	30 mm	8394193		•	•		83941937
	33 mm	8393194	•			•	83931947
		8394194		•		•	83941947
		8393197	•			•	83931977
		8394197		•		•	83941977
		8393198	•			•	83931987
		8394198		•		•	83941987

\* JL = jaw length when jaw section closed (approximate measurements)

HF connection cable: see sheet GYN114/115

## Ø 5.0 MM, INSULATED

ERAGON axial		Handle, axial				
		with lock	without lock, with HF connector	without lock, with HF connector	with lock, not rotatable	
Rotatable knob	Product no.	83930082	83930083	83930084	83930085	
	8988		•	•	•	

Jaw insert		Sheath tube, Ø 5.0 mm, insulated		Handle, pistol-shaped		Complete instrument • Jaw insert with sheath tube • Handle
	JL					
		SL 330 mm	SL 450 mm	with lock, with HF, mono		
	JL*	Product no.	8393933	8394933	83930074	Product no.
Dissector forceps mono Ø 5 mm bndl	32 mm	8393199	•		•	83931997
		8394199		•	•	83941997
Dissector forceps mono Ø 5 mm bndl	19 mm	8393200	•		•	83932007
		8394200		•	•	83942007
Atraumatic grasping forceps mono Ø 5 mm bndl	16 mm	8393210	•		•	83932107
						
Atraumatic grasping forceps mono Ø 5 mm bndl	19 mm	8393220	•		•	83932207
						

\* JL = jaw length when jaw section closed (approximate measurements)

HF connection cable: see sheet GYN114/115

## Ø 5.0 MM, INSULATED

Jaw insert		Sheath tube, Ø 5.0 mm, insulated		Handle, pistol-shaped		Complete instrument
				with lock, without HF	with lock, with HF, mono	• Jaw insert with sheath tube • Handle
		SL 330 mm	SL 450 mm			
<b>Atraumatic grasping forceps Ø 5 mm bndl</b>  atraumatic, with pyramid-shaped toothing and cross toothing, double-action	JL*	Product no.:	8393933	8394933	83930072	83930074
	29 mm	8393223	•		•	83932237
<b>Atraumatic grasping forceps Ø 5 mm bndl</b>  atraumatic, single fenestrated with cross toothing, double-action	25 mm	8394223		•	•	83942237
	8393250	•			•	83932507
<b>Atraumatic grasping forceps Ø 5 mm bndl</b>  atraumatic, double fenestrated and curved single-action	32 mm	8394250		•	•	83942507
	8393229	•			•	83932297
<b>Grasping forceps Ø 5 mm bndl</b>  atraumatic, narrow and rounded, double-action	15 mm	8393230	•		•	83932307
	8394230			•	•	83942307
<b>Dissector forceps mono Ø 5 mm bndl</b>  curved, double-action	19 mm	8393240	•			•
	8394240			•		83942407
<b>Dissector forceps mono Ø 5 mm bndl</b>  single fenestrated double-action	17 mm	8393242	•		•	83932427
	8394242			•	•	83942427

\* JL = jaw length when jaw section closed (approximate measurements)

HF connection cable: see sheet GYN114/115

**Ø 5.0 MM, INSULATED**

<b>ERAGON</b> axial		Handle, axial				
		with lock	without lock, with HF connector	without lock, with HF connector	with lock, not rotatable	
Rotatable knob	Product no.	83930082	83930083	83930084	83930085	
	8988	•	•	•		

Jaw insert		Sheath tube, Ø 5.0 mm, insulated		Handle, pistol-shaped		Complete instrument	
		SL 330 mm	SL 450 mm	with lock, without HF	with lock, with HF, mono	• Jaw insert with sheath tube • Handle	
	JL*	Product no.	8393933	8394933	83930072	83930074	Product no.
 atraumatic, single fenestrated with cross toothing, double-action	38 mm	8393249	•		•		83932497
		8394249		•	•		83942497
 curved, double-action	35 mm	8393256	•			•	83932567
		8393258	•			•	83932587
 double-action	47 mm	8394258		•		•	83942587

\* JL = jaw length when jaw section closed (approximate measurements)

HF connection cable: see sheet GYN114/115

## Ø 5.0 MM, INSULATED

Jaw insert		Sheath tube, Ø 5.0 mm, insulated		Handle, pistol-shaped		Complete instrument • Jaw insert with sheath tube • Handle
	JL		SL 330 mm	SL 450 mm	without lock, with HF, mono	
	JL*	Product no.	8393933	8394933	83930073	Product no.
	23 mm	8393.041	•		•	83930417
curved, double-action		8394.041		•	•	83940417
	18 mm	8393.044	•		•	83930447
curved, double-action						
	20 mm	8393.045	•		•	83930457
narrow, straight, double-action						
	14 mm	8393.081	•		•	83930817
serrated, single-action		8394.081		•	•	83940817
	21 mm	8393243	•		•	83932437
double-action		8394243		•	•	83942437
	26 mm	8393246	•		•	83932467
curved and toothed double-action		8394246		•	•	83942467

\* JL = jaw length when jaw section closed (approximate measurements)

HF connection cable: see sheet GYN114/115

## Ø 5.0 MM, INSULATED

ERAGON axial		Handle, axial				
		with lock	without lock, with HF connector	without lock, with HF connector	with lock, not rotatable	
Rotatable knob	Product no.	83930082	83930083	83930084	83930085	
	8988		•	•	•	

Jaw insert		Sheath tube, Ø 5.0 mm, insulated		Handle, pistol-shaped		Complete instrument	
		SL 330 mm	SL 450 mm	with lock, without HF	without lock, with HF, mono	• Jaw insert with sheath tube • Handle	
	JL*	Product no.	8393933	8394933	83930072	83930073	Product no.
Scissors mono Ø 5 mm bndl	22 mm	8393248	•			•	83932487
fine-toothed, fine tip double-action		8394248		•		•	83942487
Knot pusher Ø 5 mm bndl	17 mm	8393.345	•		•		83933457
with distal recess, double-action		8394345		•	•		83943457
Gastric band manipulator Ø 5 mm bndl	47 mm	8393253	•		•		83932537
90° articulating with distal slot		8394253		•	•		83942537

\* JL = jaw length when jaw section closed (approximate measurements)

HF connection cable: see sheet GYN114/115

Accessories for manual and machine reprocessing	Product no.
	163502

## Ø 5.0 MM, INSULATED

<b>ERAGON</b> <small>axial</small>		Handle, axial		
All jaw inserts and sheath tubes can also be combined with <b>ERAGONaxial</b>		without lock, with HF connector		
Rotatable knob	Product no.		83930083	
	8988		•	

Scissors attachment	Tension rod Ø 5.0 mm			Sheath tube insulated Ø 5.0 mm			Handle pistol-shaped	Complete instrument
	for SL 260 mm	for SL 330 mm	for SL 450 mm	SL 240 mm	SL 310 mm	SL 430 mm		• Jaw insert with sheath tube • Handle
	8392934	8393934	8394934	8392935	8393935	8394935	83930073	Product no.
Metzenbaum scissors attachment mono	4393040	•		•			•	83920407
		•			•		•	83930407
(PACK= 10 PCS), sterile, disposable			•			•	•	83940407



HF connection cable: see sheet GYN114/115

## Ø 10 MM, UNINSULATED

ERAGON axial		Handle, axial		
Rotatable knob	Product no.	with lock, without HF connector	with lock, without HF connector, not rotatable	
	8988	•		

Jaw insert		Sheath tube, Ø 10.0 mm, uninsulated		Handle, pistol-shaped		Complete instrument
	JL*	Product no.	SL 327 mm	SL 447 mm	with lock, without HF	• Jaw insert with sheath tube • Handle
	36 mm	8395.225	•		•	83952257
		8396225		•	•	83962257
	35 mm	8395.226	•		•	83952268
		8396226		•	•	83962267
	20 mm	8395.236	•		•	83952368
		8396236		•	•	83962367
	49 mm	8395.204	•		•	83952048
		8396204		•	•	83962047

\* JL = jaw length when jaw section closed (approximate measurements)

HF connection cable: see sheet GYN114/115

## Ø 10 MM, UNINSULATED

Jaw insert		Sheath tube, Ø 10.0 mm, uninsulated			Handle, pistol-shaped		Complete instrument • Jaw insert with sheath tube • Handle
	JL	SL 327 mm	SL 447 mm	SL 387 mm	with lock, without HF		
<b>Claw grasping forceps Ø 10 mm bndl</b>  double-action	38 mm	8395.489	•			•	<b>83954897</b>
<b>Claw grasping forceps Ø 10 mm bndl</b>  with additional row of teeth, double-action	38 mm	8395490	•			•	<b>83954907</b>
<b>Babcock forceps Ø 10 mm bndl</b>  large distal gripping surface with fine cross toothng, double-action	42 mm	8395.187	•			•	<b>83951877</b>
		8396187		•		•	<b>83961877</b>
<b>Babcock forceps Ø 10 mm bndl</b>  double-action	38 mm	8395.214	•			•	<b>83952148</b>
<b>Plate-shaped grasping forceps Ø 10 mm bndl</b>  double-action	50 mm	8395.234	•			•	<b>83952347</b>
		8396234		•		•	<b>83962347</b>
<b>Spoon forceps Ø 10 mm bndl</b>  single-action	31 mm	8395.244	•			•	<b>83952448</b>
<b>Stapler head grasping forceps Ø 10 mm bndl</b>  angled 30°, double-action		8397.655				•	<b>83976558</b>

\* JL = jaw length when jaw section closed (approximate measurements)/HF connection cable: see sheet GYN114/115

**ERAGON** modular  
ACCESSORIES

For insulated sheath tubes

Product no.



For manual and machine reprocessing:

**Irrigation adapter**  
Ø 9 mm, length 64 mm  
for insulated sheath tubes

**163502**



For uninsulated sheath tubes

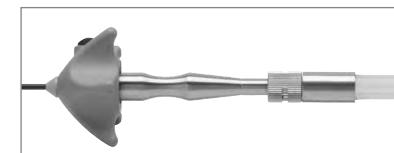
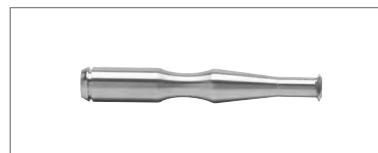
Product no.



For manual and machine reprocessing:

**Irrigation adapter cleaning**  
Ø 9 mm, length 64 mm  
for uninsulated sheath tubes

**163503**



8393932

8393932

8394932

8394932

		Ø	SL	Product no.
ERAGONmodular	<b>Sheath tube insulated Ø 5 mm SL 330 mm</b> with distal cm scale	5 mm	330 mm	<b>8393932</b>
	<b>Sheath tube insulated Ø 5 mm SL 450 mm</b> with distal cm scale	5 mm	450 mm	<b>8394932</b>

## HANDLE VARIANTS FOR MODULAR SYSTEMS

Handle, pistol-shaped 	rotatable	with lock	without lock	with HF	without HF	Product no.
	•	•			•	83930072
	•		•	•		83930073
	•	•		•		83930074
Handle, axial 	rotatable	with lock	without lock	with HF	without HF	Product no.
	•	•			•	83930082
	•		•	•		83930083
	•	•		•		83930084
		•			•	83930085

Optional for 83930082/83930083/83930084:

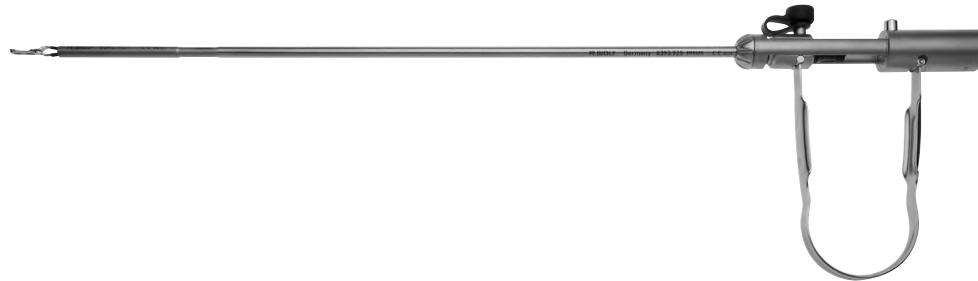
Product no.

 	Rotatable knob autoclavable	8988
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All ERAGON modular components are compatible with ERAGON axial

## BIPOLAR FORCEPS 3.5 MM/5.0 MM

WITH SPRING HANDLE  
MODULAR SYSTEM



Grasping forceps jaw insert	Outer tube Ø 3.5 mm SL 348 mm	Screw cap with sleeve Ø 5.0 mm SL 107 mm	Spring handle bipo	complete instrument	
Grasping forceps bipo Ø 3.5 mm bndl 39 mm	JL* 8391.715	Product no. 8391.921	8393.978	Product no. 8393.975	Product no. 8391.742

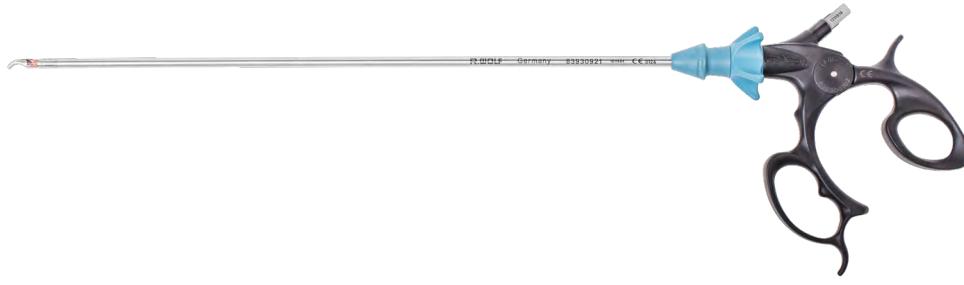
Kleppinger grasping forceps jaw insert	Sliding sleeve SL 319 mm	Outer tube Ø 5 mm SL 237 mm	Spring handle bipo	complete instrument	
Kleppinger grasping forceps bipo Ø 5 mm bndl 53 mm	JL* 8393.714	Product no. 8393.923	8393.925	Product no. 8393.975	Product no. 8393.741

Accessories	Product no.
RIWO rubber cap, jet black	15220.019
Luer sealing cap	15023.153

\* JL = jaw length when jaw section closed (approximate measurements)  
Bipolar connection cable: see sheet GYN116/117

**ERAGON** bipolar

MODULAR BIPOLAR INSTRUMENTS, 5.5 MM  
ROTATABLE

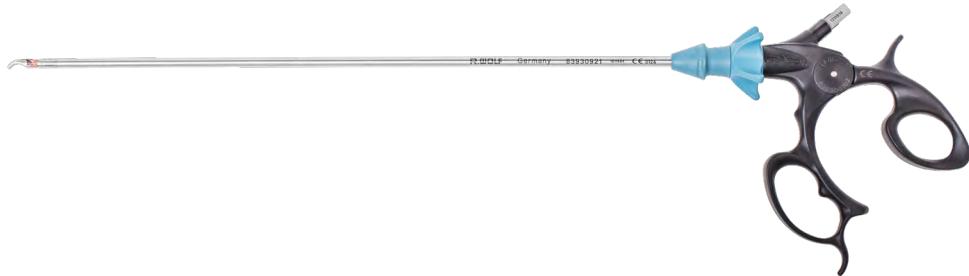


Jaw insert		Sheath tube Ø 5.5 mm		Handle, pistol-shaped, bipo		Complete instrument
	JL*	Product no.	SL 320 mm	SL 435 mm	rotatable	• Jaw insert • Sheath tube • Handle
	21 mm	83930031	•		•	<b>839300312</b>
		839400310		•	•	<b>839400312</b>
	23 mm	83930032	•		•	<b>839300322</b>
		839400320		•	•	<b>839400322</b>
	21 mm	83930033	•		•	<b>839300332</b>
		839400330		•	•	<b>839400332</b>
	23 mm	83930034	•		•	<b>839300342</b>
		839400340		•	•	<b>839400342</b>
	19 mm	83930035	•		•	<b>839300352</b>
		839400350		•	•	<b>839400352</b>

\* JL = jaw length when jaw section closed (approximate measurements)  
Bipolar connection cable: see sheet GYN116/117

**ERAGON** bipolar

MODULAR BIPOLAR INSTRUMENTS, 5.5 MM,  
ROTATABLE



Jaw insert	Sheath tube Ø 5.5 mm		Handle, pistol-shaped, bipo		Complete instrument	
		SL 320 mm	SL 435 mm	rotatable	<ul style="list-style-type: none"> <li>• Jaw insert</li> <li>• Sheath tube</li> <li>• Handle</li> </ul>	
	JL*	Product no.	83930921	82340024	839300102	Product no.
Münster grasping forceps bipo Ø 5.5 mm bndl	22 mm	83930037	•		•	<b>839300372</b>
Maryland dissector bipo Ø 5.5 mm bndl	15 mm	83930038	•		•	<b>839300382</b>
		839400380		•	•	<b>839400382</b>
Metzenbaum scissors bipo Ø 5.5 mm bndl	22 mm	83930041	•		•	<b>839300412</b>
		839400410		•	•	<b>839400412</b>

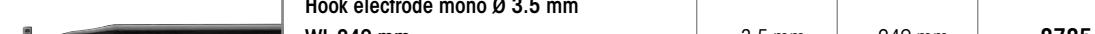
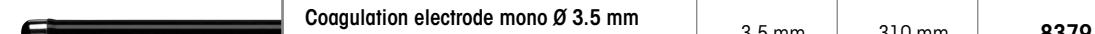
\* JL = jaw length when jaw section closed (approximate measurements)  
Bipolar connection cable: see sheet GYN116/117

## ELECTRODES 2.0 MM/3.5 MM

### MONOPOLAR

1124 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

	Outer Ø	WL	Product no.
	1.67 mm	400 mm	<b>823.05</b>
	2.0 mm	400 mm	<b>823.06</b>

	Outer Ø	WL	Product no.
	3.5 mm	310 mm	<b>8379.452</b>
	3.5 mm	240 mm	<b>8785.642</b>
	3.5 mm	310 mm	<b>8379.482</b>
	3.5 mm	310 mm	<b>8379.462</b>

HF connection cable: see sheet GYN114/115

## ELECTRODES 5.0 MM

### MONOPOLAR



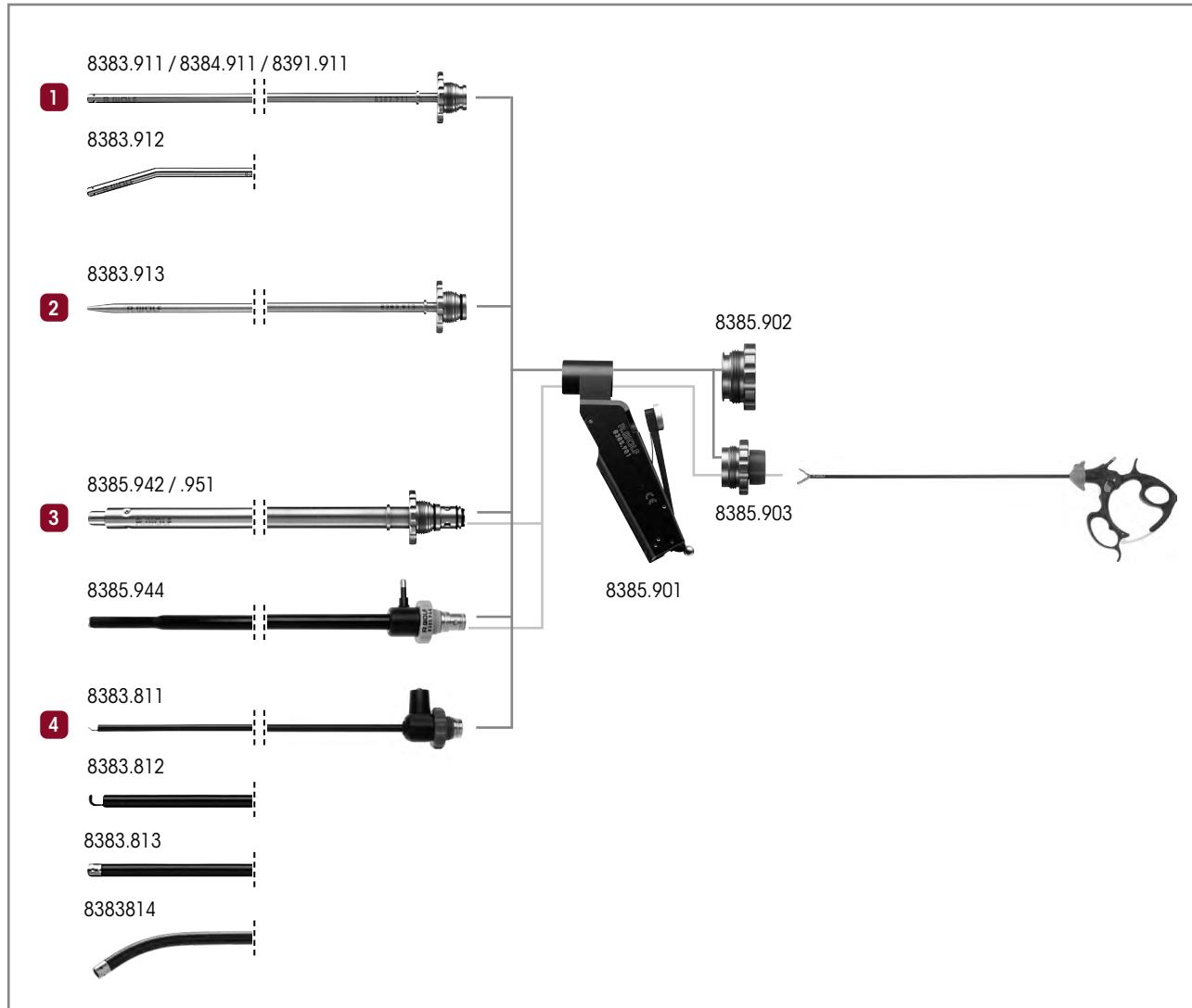
	Outer Ø	WL	Product no.
Coagulation electrode mono Ø 5 mm WL 330 mm	5.0 mm	330 mm	<b>8383.40</b>
Coagulation electrode mono Ø 5 mm WL 450 mm	5.0 mm	450 mm	<b>8384.40</b>



	Outer Ø	WL	Product no.
Hook electrode mono Ø 5 mm WL 340 mm	5.0 mm	340 mm	<b>8383.423</b>
		420 mm	<b>8384.423</b>
Needle electrode mono Ø 5 mm WL 340 mm	5.0 mm	340 mm	<b>8383.426</b>
Spatula electrode mono Ø 5 mm WL 340 mm	5.0 mm	340 mm	<b>8383.428</b>
Myoma dissector mono Ø 5 mm WL 340 mm	5.0 mm	340 mm	<b>8383.429</b>

HF connection cable: see sheet GYN114/115

## MULTIFUNCTIONAL SUCTION IRRIGATION SYSTEM COMBINATION OPTIONS



### 1 Suction or irrigation:

Suction irrigation tube Ø 5 mm WL 310 mm ..... 8383.911  
 Suction irrigation tube Ø 5 mm WL 450 mm ..... 8384.911  
 Suction irrigation tube Ø 3.5 mm WL 300 mm ..... 8391.911  
 Suction irrigation tube curved Ø 5 mm WL 310 mm... 8383.912  
 for this: **Sealing cap** ..... 8385.902

### 2 Blunt aquadissection:

Pressure irrigation tube Ø 5 mm WL 310 mm ..... 8383.913  
 for this: **Sealing cap** ..... 8385.902

### 3 Suction, irrigation, and use

#### of auxiliary instruments Ø 5 mm:

Suction irrigation tube Ø 10 mm WL 225 mm ..... 8385.942  
 Suction irrigation tube Ø 10 mm WL 330 mm ..... 8385.951  
 Suction irrigation tube Ø mono 10 mm WL 330 mm,  
 insulated, with atraumatic preparation tip ..... 8385.944  
 for this: **Sealing adapter** ..... 8385.903

### 4 Preparation of tissue with HF:

HF suction irrigation tube Ø 5.2 mm WL 317 mm  
 insulated with integrated HF spatula probe ..... 8383.811  
 HF suction irrigation tube Ø 5.2 mm WL 317 mm  
 insulated with integrated HF hook electrode ..... 8383.812  
 HF suction irrigation tube Ø 5.2 mm WL 317 mm  
 insulated with integrated HF button electrode ..... 8383.813  
 HF suction irrigation tube Ø 5.4 mm WL 380 mm  
 curved with distal openings,  
 insulated with integrated HF button electrode ..... 8383.814  
 for this: **Sealing cap** ..... 8385.902

# MULTIFUNCTIONAL SUCTION IRRIGATION SYSTEM

## SUCTION IRRIGATION HANDLE



8385.901

**AUTOCLAVE**  
**134° C / 273° F**

8385.902



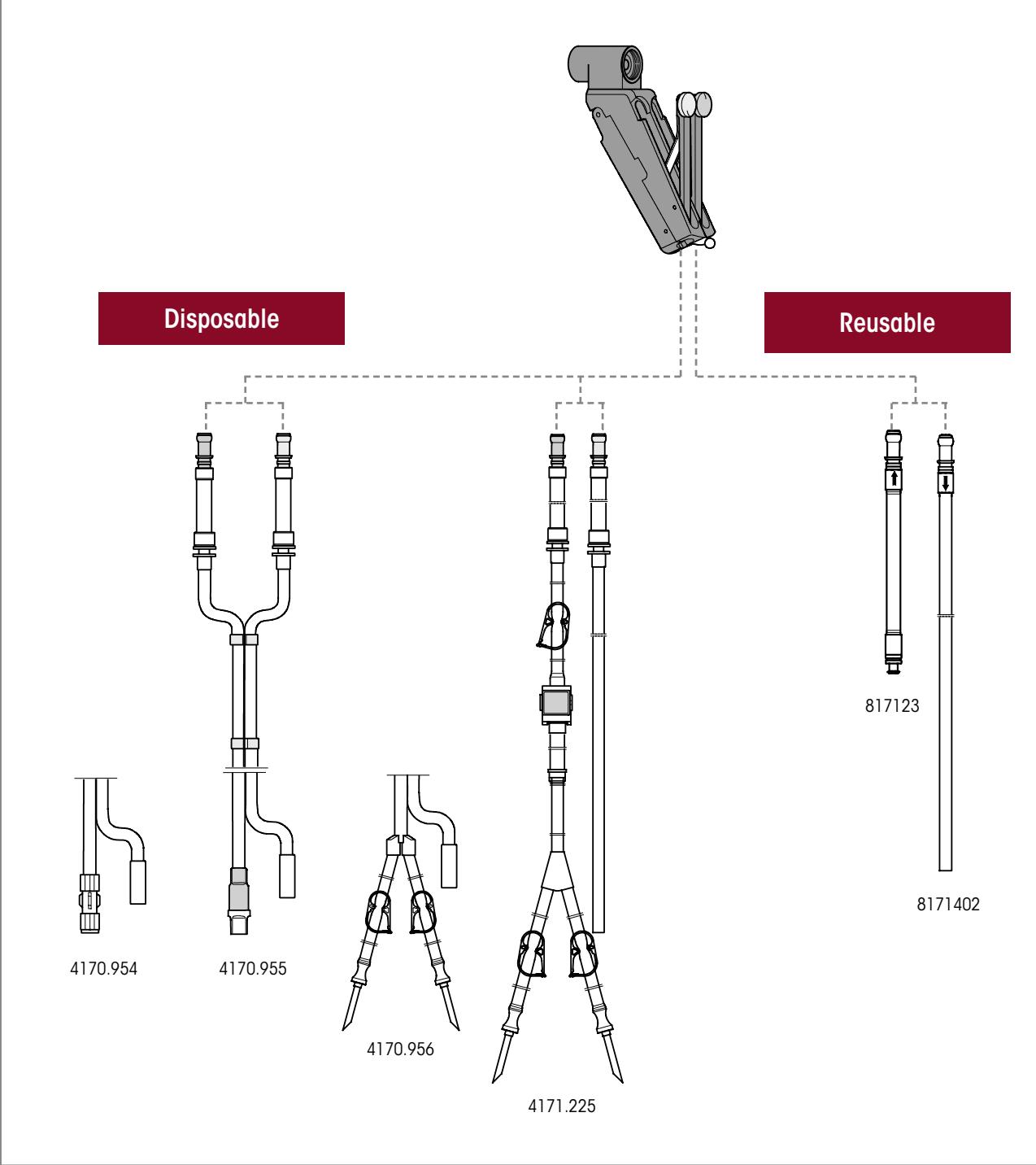
8385.903



	Product no.
Suction irrigation handle	<b>8385.901</b>
Sealing cap	<b>8385.902</b>
Required to use auxiliary instruments Ø 5 mm: <b>Sealing attachment</b> with opening and membrane valve	<b>8385.903</b>
Spare <b>Sealing membrane Ø 17 mm</b> yellow, Ø 17 mm, PACK= 10 PCS, for instruments from 3 to 6 mm	<b>89.103</b>

## MULTIFUNCTIONAL SUCTION IRRIGATION SYSTEM

### SUCTION IRRIGATION TUBE SETS – ILLUSTRATION



**Suction irrigation tube sets** are used in conjunction with the suction irrigation handle 8385.901 and pump-side tube systems as well as corresponding collection and secretion containers and/or vacuum pumps.

## MULTIFUNCTIONAL SUCTION IRRIGATION SYSTEM

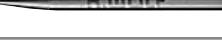
### SUCTION IRRIGATION TUBE SETS FOR SUCTION IRRIGATION HANDLE 8385.901

Disposable	Product no.
<b>Suction irrigation tube set, L 3 m</b> (PACK= 10 PCS), sterile	<b>4170.954</b>  <b>Irrigation tube:</b> With Luer-Lock, for connection to the irrigation tube of a suction irrigation tube set, e.g., irrigation tube of the Endo-Irrigator 2211 <b>Suction tube:</b> For connection to a collection or secretion container and/or vacuum pump
<b>Suction irrigation tube set with care-lock, L 3 m</b> (PACK= 10 PCS), sterile	<b>4170.955</b>  <b>Irrigation tube:</b> With CARE-LOCK, for connection to an irrigation container <b>Suction tube:</b> For connection to a collection or secretion container and/or vacuum pump
<b>Suction irrigation tube set with piercing spike, L 3 m</b> (PACK= 10 PCS), sterile	<b>4170.956</b>  <b>Irrigation tube:</b> With 2 piercing spikes, for connection to an irrigation container <b>Suction tube:</b> For connection to a collection or secretion container and/or vacuum pump
<b>Suction irrigation tube set, L 3 m</b> (PACK= 10 PCS), sterile	<b>4171.225</b>  <b>Irrigation tube:</b> With 2 piercing spikes, for connection to an irrigation container, and Fluid Control Lap 2216 <b>Suction tube:</b> For connection to a collection or secretion container and/or vacuum pump  Also observe instruction manual GA-A 276
<b>Secretion container, 2.5 l</b>	<b>41706566</b>
<b>Tube set for suction (2 connections)</b>	<b>T0503-01</b> sterile disposable product (PACK= 10 PCS), for connecting instruments to collecting container

Reusable	Product no.
<b>Irrigation tube L 1.2 m</b>	<b>817123</b>  <b>Irrigation tube:</b> With Luer-Lockconnection for connection to the irrigation tube of a suction irrigation tube set, e.g., 8171223 or 8170.223
<b>Suction tube L 3 m</b>	<b>8171402</b> silicone, for suction irrigation handle 8385.901
<b>Secretion container, 2 l</b>	<b>8170.6551</b> 2 liters, without cover
<b>Cover</b>	<b>8170.6552</b> for secretion trap 8170.6551, reusable

## MULTIFUNCTIONAL SUCTION IRRIGATION SYSTEM

### SUCTION IRRIGATION TUBES

		Outer Ø	WL	Product no.
	Suction irrigation tube Ø 3.5 mm WL 300 mm	3.5 mm	300 mm	<b>8391.911</b>
	Suction irrigation tube Ø 5 mm WL 310 mm	5.0 mm	310 mm	<b>8383.911</b>
	Suction irrigation tube Ø 5 mm WL 450 mm	5.0 mm	450 mm	<b>8384.911</b>
	Suction irrigation tube curved Ø 5 mm WL 310 mm	5.0 mm	310 mm	<b>8383.912</b>
	Pressure irrigation tube Ø 5 mm WL 310 mm	5.0 mm	310 mm	<b>8383.913</b>

for use of 5 mm auxiliary instruments

		Outer Ø	WL	Product no.
	Suction irrigation tube Ø 10 mm WL 225 mm	10.0 mm	225 mm	<b>8385.942</b>
	Suction irrigation tube Ø 10 mm WL 330 mm capacity 5.0 mm	10.0 mm	330 mm	<b>8385.951</b>

		Outer Ø	WL	Product no.
	Suction irrigation tube mono Ø 10 mm WL 330 mm insulated, with atraumatic preparation tip	10,0 mm	330 mm	<b>8385.944</b>

for use of 5 mm auxiliary instruments

		Product no.
	Sealing attachment with opening and membrane valve sealing membrane Ø 17 mm	<b>8385.903</b>

## MULTIFUNCTIONAL SUCTION IRRIGATION SYSTEM

## SUCTION IRRIGATION TUBES

Accessories	Outer Ø	WL	Product no.
HF connection cable	5.2 mm	317 mm	<b>8383.811</b>
HF suction irrigation tube Ø 5.2 mm WL 317 mm	5.2 mm	317 mm	<b>8383.812</b>
HF suction irrigation tube Ø 5.2 mm WL 317 mm	5.2 mm	317 mm	<b>8383.813</b>
as alternative to suction irrigation handle:			
	<b>Suction irrigation adapter</b> with maintenance-free two-way stopcock, for multifunctional suction irrigation system		<b>8583819</b>

Accessories	Product no.
HF connection cable	see page <b>GYN114/115</b>

## MULTIFUNCTIONAL SUCTION IRRIGATION SYSTEM

### SUCTION IRRIGATION TUBES

1124 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.



	Outer Ø	WL	Product no.
 Suction tube OD 2.8 mm WL 450 mm	2.8 mm	450 mm	<b>8380.68</b>



	Outer Ø	WL	Product no.
 with Luer connector  Suction irrigation tube Ø 4.7 mm WL 300 mm	4.7 mm	330 mm	<b>8383.72</b>



	Outer Ø	WL	Product no.
 graduated, with 3 mm Luer connector  Suction tube graduated Ø 5 mm WL 330 mm	5.0 mm	330 mm	<b>8383.68</b>

## ACCESSORIES

### FOR SUCTION AND IRRIGATION



		Outer Ø	WL	Product no.
	HF coagulation suction tube mono Ø 5 mm WL 315 mm	5.0 mm	315 mm	<b>8383.71</b>
with Luer connector and a valve	HF coagulation suction tube mono Ø 5 mm WL 450 mm	5.0 mm	450 mm	<b>8384.71</b>



		Outer Ø	WL	Product no.
	Suction irrigation tube Ø 5 mm WL 300 mm	5.0 mm	300 mm	<b>8383.94</b>

Accessories	Product no.
HF connection cable	See page GYN114/115

## ACCESSORIES

### FOR SUCTION AND IRRIGATION




	Outer Ø	WL	Product no.
<b>Suction irrigation tube WL 290 mm</b> with maintenance-free two-way stopcock, sheath tube, with distal openings, reusable	5.0 mm	290 mm	<b>8583732</b>
<b>Suction irrigation tube WL 410 mm</b>	5.0 mm	410 mm	<b>8584732</b>

## TISSUE RETRCTOR 5 MM

### TISSUE RETRCTOR

10



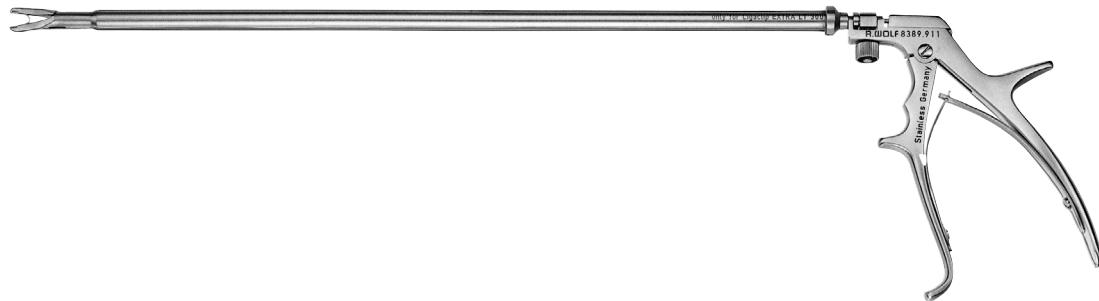
	Outer Ø	WL	Product no.
 tissue retractor Ø 5 mm WL 320 mm	5.0 mm	320 mm	<b>8383.691</b>

Accessories	Product no.
Luer sealing cap	<b>887.00</b>

## CLIP APPLICATOR 10 MM

FOR SUCTION AND IRRIGATION

1124 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.



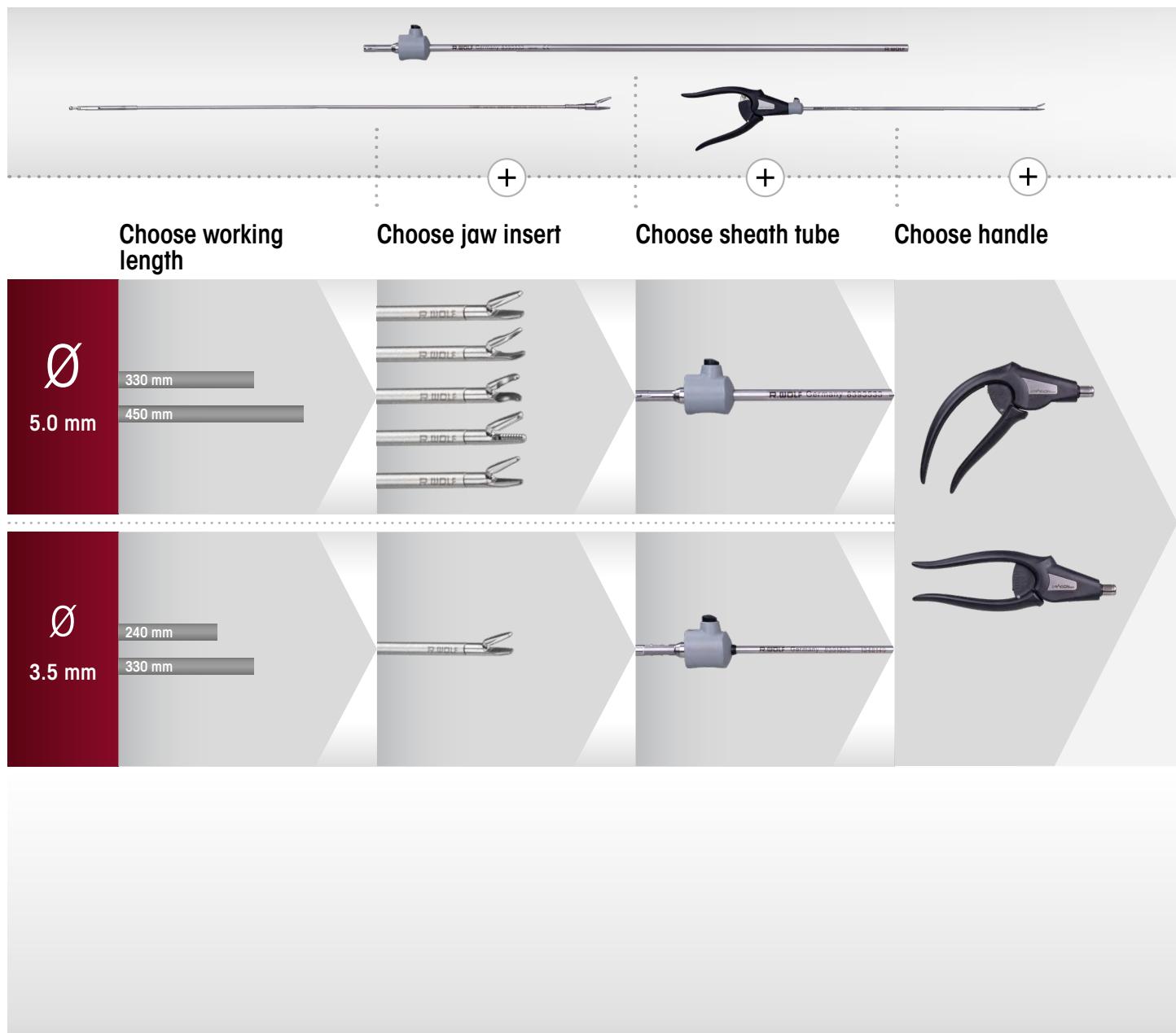
	Outer Ø	WL	Product no.
	10 mm	340 mm	<b>8389.911</b>
for this:	Product no.		
	<b>8389.991</b>		
For clip ligation with Ethicon® Ligaclip® EXTRA LT 300			
<b>Ethicon® Ligaclips® (PACK= 108 PCS)</b>	<b>8389.915</b>		

Accessories	Product no.
<b>Sealing cap capacity 9.5–10.1 mm</b>	<b>89.08</b>

# ERAGON<sub>stitch</sub>

## THE ERGONOMIC GENERATION OF NEEDLE HOLDERS

Thanks to the custom combination options it offers, **ERAGONstitch** can accommodate any user requirement. The way in which it brings together ergonomics, versatility, modularity, and precision sets new standards in comfort



**ERAGONstitch needle holders**



**ERAGON** *stitch*
**NEEDLE HOLDER Ø 3.5 MM**

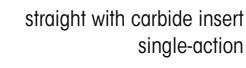
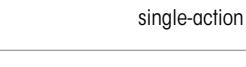
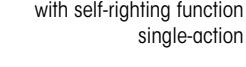

Needle holder jaw insert	Sheath tube, Ø 3.5 mm		Needle holder handle		Complete instrument		
	SL 240 mm		with on-off detent mechanism, single-action		Axial	Angled	
	JL*	Product no.	8390533	8391533	8393943	8393944	Product no.
Needle holder jaw insert Ø 3.5 mm bndl	8391505		•		•		<b>83915053</b>
12 mm			•			•	<b>83915054</b>
straight with carbide insert single-action	8391506			•	•		<b>83915063</b>
				•		•	<b>83915064</b>

\* JL = jaw length when jaw section closed (approximate measurements)

Accessories for manual and machine reprocessing	Product no.
	<b>163503</b>

**ERAGON** *stitch*

NEEDLE HOLDER Ø 5.0 MM

Needle holder jaw insert		Sheath tube, Ø 5.0 mm		Needle holder handle		Complete instrument	
						<ul style="list-style-type: none"> <li>• Jaw insert</li> <li>• Sheath tube</li> <li>• Handle</li> </ul>	
							
		SL 330 mm	SL 450 mm	with on-off detent mechanism, single-action			
				axial	angled		
	JL*	Product no.	8393533	8394533	8393943	8393944	Product no.
	19 mm	8393507	•		•		<b>83935073</b>
	19 mm	8394507	•			•	<b>83935074</b>
	19 mm	8393508	•	•	•		<b>83945073</b>
	19 mm	8394508	•	•	•	•	<b>83945074</b>
	19 mm	8393509	•		•		<b>83935083</b>
	19 mm	8394509	•	•	•	•	<b>83935084</b>
							<b>83945093</b>
							<b>83945094</b>

\* JL = jaw length when jaw section closed (approximate measurements)

Accessories for manual and machine reprocessing	Product no.
	<b>163503</b>

**ERAGON** *stitch*
**NEEDLE HOLDER Ø 5.0 MM**

Needle holder jaw insert			Sheath tube, Ø 5.0 mm		Needle holder handle		Complete instrument • Jaw insert • Sheath tube • Handle	
			SL 330 mm	SL 450 mm	with on-off detent mechanism, single-action			
					Axial	Angled		
	JL*	Product no.	8393533	8394533	8393943	8393944	Product no.	
Needle holder Ø 5 mm bndl 	19 mm	8393518	•		•		<b>83935183</b>	
curved right with carbide insert single-action		8394518	•		•	•	<b>83935184</b>	
Needle holder Ø 5 mm bndl 	19 mm	8393519	•		•		<b>83935193</b>	
Curved left with carbide insert single-action		8394519	•		•	•	<b>83935194</b>	
			•		•		<b>83945193</b>	
			•		•	•	<b>83945194</b>	

Accessories for manual and machine reprocessing	Product no.
	163503

## NEEDLE HOLDER Ø 3.5 MM/5 MM

### MODULAR SYSTEM



Needle holder jaw insert with sheath	Needle holder handle, axial	Complete instrument • Jaw insert • Sheath tube • Handle		
	single-action locking mechanism, can be disabled			
Product no.	Ø	SL	8393.941	Product no.
<b>Needle holder Ø 3.5 mm bndl</b>  with carbide insert	8391504	3.5 mm	340 mm	• <b>8391.501</b>
<b>Needle holder Ø 5 mm bndl</b>  for straight needles	8393504	5 mm	340 mm	• <b>8393.501</b>
<b>Needle holder Ø 5 mm bndl</b>  with carbide insert	8393505	5 mm	340 mm	• <b>8393.502</b>
<b>Needle holder Ø 5 mm bndl</b>  curved to the right with carbide insert	8394505	5 mm	430 mm	• <b>8394.502</b>
<b>Needle holder Ø 5 mm bndl</b>  curved to the right with carbide insert	8393514	5 mm	340 mm	• <b>8393.511</b>
<b>Needle holder Ø 5 mm bndl</b>  curved to the left with carbide insert	8394514	5 mm	430 mm	• <b>8394.511</b>
<b>Needle holder Ø 5 mm bndl</b>  curved to the left with carbide insert	8393515	5 mm	340 mm	• <b>8393.512</b>
<b>Sarbu needle holder Ø 5 mm bndl</b> 	8393506	5 mm	340 mm	• <b>8393.503*</b>
	8394506	5 mm	430 mm	• <b>8394.503*</b>

\* with automatic needle placement apparatus and cutting edge

## NEEDLE HOLDER HANDLE

Needle holder handle, axial	not rotatable	with lock	without HF	Product no.
	•	•	•	<b>8393.941</b>

Needle holder handle <b>ERAGON</b> stitch	axial	angled	with on-off detent mechanism	single-action	Not rotatable	Product no.
	•		•	•	•	<b>8393943</b>
		•	•	•	•	<b>8393944</b>

**ERAGON** modular

MODULAR KNOT PUSHER Ø 5.0 MM, INSULATED

<b>ERAGON</b> <small>axial</small>		Handle, axial				
		with lock	without lock, with HF connector	without lock, with HF connector	with lock, not rotatable	
Rotatable knob	Product no.	83930082	83930083	83930084	83930085	
	8988	•	•	•	•	

Jaw insert		Sheath tube, Ø 5.0 mm, insulated		Handle		Complete instrument
<b>ERAGON</b> <small>modular</small>						<ul style="list-style-type: none"> <li>• Jaw insert with sheath tube</li> <li>• Handle</li> </ul>
	JL*	SL 330 mm	SL 450 mm	with lock, without HF	Product no.	
Knot pusher Ø 5 mm bndl	8393.345	•		•	83933457	
with distal recess, double-action	17 mm	8394345	•	•	83943457	

\* JL = jaw length when jaw section closed (approximate measurements)

HF connection cable: see sheet GYN114/115

## KNOT PUSHER 5 MM FOR ENDOSCOPIC SUTURING

### KNOT PUSHER

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		Outer Ø	WL	TL	Product no.
	 <b>Knot pusher Ø 3.7 mm WL 330 mm</b> for intraabdominal knots	3.7 mm	330 mm	380 mm	<b>8383.55</b>
	 <b>Knot pusher Ø 3.7 mm WL 330 mm</b> for extracorporeal knots	3.7 mm	330 mm	380 mm	<b>8383.551</b>



		Outer Ø	WL	TL	Product no.
	 <b>Knot pusher Ø 5 mm WL 330 mm</b> as per Bueß with distal notch and lateral opening for optimum knotting, extremely atrumatic tip for use as a surgical probe	5.0 mm	330 mm	380 mm	<b>8383.552</b>

## ENDOSCOPICALLY CONTROLLED FASCIA CLOSURE SYSTEM AS PER BUSCHE



				Product no.
	Sealing cone Ø 10–12 mm			8934.915
	Sealing cone Ø 12–15 mm			8943.915
	Sealing cone Ø 15–20 mm			8945.915
		Ø	WL	Product no.
	Needle forceps Ø 2.0 mm WL 160 mm	2.0 mm	160 mm	8756.201
for subcutaneous fascia suture				
Needle forceps with active suture holder				

## CANNULAS 3.0 MM/4.7 MM

with Luer connector	Outer Ø	WL	Product no.
 Tip Ø 1.4 mm	3.0 mm	340 mm	<b>8379.732</b>

with 3 mm Luer connector	Ø	WL	Product no.
 Tip Ø 1.8 mm	4.7 mm	350 mm	<b>8383.65</b>

for this:	WL	Product no.
	45 mm	<b>8383.00</b>

## SURGICAL PROBES

		Ø	WL	Product no.
	<b>Surgical probe 3.5 mm WL 350 mm graduated</b>	3.5 mm	350 mm	<b>8379.672</b>

		Ø	WL	Product no.
	<b>Surgical probe Ø 5 mm WL 328 mm graduated</b>	5.0 mm	328 mm	<b>8383.66</b>
	<b>Surgical probe Ø 5 mm WL 448 mm graduated</b>	5.0 mm	448 mm	<b>8384.66</b>

## MYOMA DRILL 5 MM/10 MM



		Ø	WL	Product no.
	Myoma drill Ø 5 mm WL 320 mm	5 mm	320 mm	<b>8383.611</b>
	Myoma drill Ø 10 mm	10 mm	340 mm	<b>8385.301</b>

## INSUFFLATOR HIGHFLOW 45 BASIC



Product no.	
<b>Insufflator 45 BASIC bndl</b> consisting of: Insufflator 45 BASIC FR 45 l/min (2235001) and power cable 3 m long (2440.03)	<b>22350012</b>
<b>Accessories: Tube sets for insufflation</b>	
Insufflation set, insufflation tube with integrated hygiene filter, disposable, (PACK= 10 PCS) in individual sterile packaging	<b>2200/48BIKBTUA123</b>
Insufflation tube set L 2.5 m, High Flow, D = 8 mm, autoclavable	<b>8170.232</b>
Insufflation tube set L 2.5 m, autoclavable	<b>8170.101</b>
Insufflation filter (PACK= 50 PCS)	<b>6421/04BAUA0010001</b>
<b>Accessories for gas supply CO<sub>2</sub> bottle</b>	
Qualityreg CO <sub>2</sub> , Inlet pressure connection DIN ISO 477-6 outlet connection NIST, pressure gauge Flow meter	DIN ISO 477-6 <b>DM-DIN6-MS-NISTC02</b>
Qualityreg CO <sub>2</sub> , Inlet connection DIN EN ISO 407 PIN INDEX, outlet connection NIST, pressure gauge Flow meter	DIN EN ISO 407 PIN INDEX <b>DM-PIN-MS-NIST-C02</b>
Qualityreg CO <sub>2</sub> , Inlet connection ISO 5145 outlet connection NIST, pressure gauge Flow meter	ISO 5145 <b>DM-ISO-MS-NIST-C02</b>
with	
Connection hose, quality CONNECT, CO <sub>2</sub> 1.5 m long	<b>DINCO2NIST-NIST1.5</b>
<b>Optional for faster CO<sub>2</sub> bottle changes</b>	
Quick plug adapter NIST, (2 pieces recommended) DIN with safety chain, adapter NIST / coupling with chain and ring	<b>DM-AD-CO2NISTDINKU</b>
Connection hose DIN, CO <sub>2</sub> , ZGV plug to NIST fitting, ISO-colored, 1.5 m long (Ceiling light)	<b>DIN-CO2-ZGVNIST1.5</b>
<b>ZGV connection</b>	
Connection hose, quality CONNECT, CO <sub>2</sub> 5 m long, DIN for centralized CO <sub>2</sub> gas supply (Dräger)	<b>RW-CO2-ZGV-NIST5.0</b>
Connection hose, quality CONNECT, CO <sub>2</sub> 5 m long, NF for centralized CO <sub>2</sub> gas supply (Liquid Air)	<b>NF-CO2-ZGV-NIST5.0</b>
Connection hose DIN, CO <sub>2</sub> , ZGV plug to NIST fitting, ISO-colored, 1.5 m long (Ceiling light)	<b>DIN-CO2-ZGVNIST1.5</b>
<b>Software modules (optional)</b>	
Software module CAN bus CAN bus interface for integration in CORE	<b>2235101</b>
Software module BABY MODE BABY MODE for special use in pediatrics	<b>2235102</b>
Software module VIDEO DISPLAY: video display using DIALOG via CAN bus	<b>2235103</b>

## TECHNICAL DATA

## INSUFFLATOR HIGHFLOW 45 BASIC

<b>Insufflator 45 BASIC</b>	<b>2235001</b>
<b>Device properties</b>	
Operating mode	Continuous operation
Operating conditions	+10°C to +40°C, 30% to 75% rel. humidity, atmospheric pressure 700 hPa to 1,060 hPa
Storage and transport conditions	-20°C to +60°C, 10% to 90% rel. humidity, atmospheric pressure 700 hPa to 1,060 hPa
<b>Power supply</b>	
Mains + frequency	100–240 V~, 50/60 Hz
Power consumption	60 VA
Current rating	0.6–0.2 A
Fuse	T 3.15 AH 250 V
<b>Regulatory standards</b>	
Protection class to IEC/EN 60601-1 (UL 60601-1/CSA C222 No6011 – for USA)	I
Electromagnetic compatibility (EMC)	IEC/EN 60601-1-2
Medical Devices Directive 93/42/EEC	Class IIb
Protection against electric shock	Type CF applied part
Degree of protection against the ingress of liquids	IP 20 (not protected)
Degree of protection in the presence of flammable mixtures	Device is not protected against explosions (do not operate this device in explosive atmospheres)
<b>Dimensions and weights</b>	
Weight	8.9 kg (19.5 lbs)
Dimensions (W x H x D)	300 mm x 160 mm x 455 mm

<b>Relevant application parameters</b>	
Insufflation medium	Medical-grade CO <sub>2</sub> (degree of purity > 99.5%)
Intraabdominal pressure	3 mmHg to 25 mmHg (± 2 mmHg) selectable in increments of 1 mmHg
Gas flow rate primary filling	1 l/min (± 50%)
Gas flow rate, High Flow	2 l/min to 45 l/min (± 20%) selectable in increments of 1 l/min
Consumption indicator	0 l to 9,999 l (± 20%)

# INSUFFLATOR HIGHFLOW 45 EVAC

## WITH SMOKE GAS EVACUATION



Product no.	
<b>Insufflator 45 EVAC bndl</b> consisting of: Insufflator 45 EVAC FR 45 l/min (2235011), power cable, 3 m long (2440.03) and footswitch with 1 pedal (20301031)	<b>22350112</b>
<b>Accessories: Tube sets for insufflation and smoke gas evacuation</b>	
Insufflation set, insufflation tube with integrated hygiene filter, disposable, (PACK= 10 PCS) in individual sterile packaging	<b>2200/48BIKBTUA123</b>
Insufflation tube set L 2.5 m, High Flow, D = 8 mm, autoclavable	<b>8170.232</b>
Insufflation tube set L 2.5 m, autoclavable	<b>8170.101</b>
Insufflation filter (PACK= 50 PCS)	<b>6421/04BAUA0010001</b>
Smoke gas evacuation tube set, steril, sterile, for single use (PACK= 10 PCS)	<b>2200/72BTUA1230001</b>
<b>Accessories for gas supply CO<sub>2</sub> bottle</b>	
Qualityreg CO <sub>2</sub> , Inlet pressure connection DIN ISO 477-6 outlet connection NIST, pressure gauge Flow meter	DIN ISO 477-6
Qualityreg CO <sub>2</sub> , Inlet connection DIN EN ISO 407 PIN INDEX, outlet connection NIST, pressure gauge Flow meter	DIN EN ISO 407 PIN INDEX
Qualityreg CO <sub>2</sub> , Inlet connection ISO 5145 outlet connection NIST, pressure gauge Flow meter	ISO 5145
with	
Connection hose, quality CONNECT, CO <sub>2</sub> 1.5 m long	<b>DINCO2NIST-NIST1.5</b>
<b>Optional for faster CO<sub>2</sub> bottle changes</b>	
Quick plug adapter NIST, (2 pieces recommended) DIN with safety chain, adapter NIST / coupling with chain and ring	<b>DM-AD-CO2NISTDINKU</b>
Connection hose DIN, CO <sub>2</sub> , ZGV plug to NIST fitting, ISO-colored, 1.5 m long (Ceiling light)	<b>DIN-CO2-ZGVNIST1.5</b>
<b>ZGV connection</b>	
Connection hose, quality CONNECT, CO <sub>2</sub> 5 m long, DIN for centralized CO <sub>2</sub> gas supply (Dräger)	<b>RW-CO2-ZGV-NIST5.0</b>
Connection hose, quality CONNECT, CO <sub>2</sub> 5 m long, NF for centralized CO <sub>2</sub> gas supply (Liquid Air)	<b>NF-CO2-ZGV-NIST5.0</b>
Connection hose DIN, CO <sub>2</sub> , ZGV plug to NIST fitting, ISO-colored, 1.5 m long (Ceiling light)	<b>DIN-CO2-ZGVNIST1.5</b>
<b>Software modules (optional)</b>	
Software module CAN bus CAN bus interface for integration in CORE	<b>2235101</b>
Software module BABY MODE BABY MODE for special use in pediatrics	<b>2235102</b>
Software module VIDEO DISPLAY: video display using DIALOG via CAN bus	<b>2235103</b>

## TECHNICAL DATA

## INSUFFLATOR HIGHFLOW 45 EVAC

Insufflator 45 EVAC	2235011
<b>Device properties</b>	
Operating mode	Continuous operation
Operating conditions	+10°C to +40°C, 30% to 75% rel. humidity, atmospheric pressure 700 hPa to 1,060 hPa
Storage and transport conditions	-20°C to +60°C, 10% to 90% rel. humidity, atmospheric pressure 700 hPa to 1,060 hPa
<b>Power supply</b>	
Mains + frequency	100–240 V~, 50/60 Hz
Power consumption	60 VA
Current rating	0.6–0.2 A
Fuse	T 3.15 AH 250 V
<b>Regulatory standards</b>	
Protection class to IEC/EN 60601-1 (UL 60601-1/CSA C222 No6011 – for USA)	I
Electromagnetic compatibility (EMC)	IEC/EN 60601-1-2
Medical Devices Directive 93/42/EEC	Class IIb
Protection against electric shock	Type CF applied part
Degree of protection against the ingress of liquids	IP 20 (not protected)
Degree of protection in the presence of flammable mixtures	Device is not protected against explosions (do not operate this device in explosive atmospheres)
<b>Dimensions and weights</b>	
Weight	8.9 kg (19.5 lbs)
Dimensions (W x H x D)	300 mm x 160 mm x 455 mm

<b>Relevant application parameters</b>	
Insufflation medium	Medical-grade CO <sub>2</sub> (degree of purity > 99.5%)
Intraabdominal pressure	3 mmHg to 25 mmHg (± 2 mmHg) selectable in increments of 1 mmHg
Gas flow rate primary filling	1 l/min (± 50%)
Gas flow rate, High Flow	2 l/min to 45 l/min (± 20%) selectable in increments of 1 l/min
Consumption indicator	0 l to 9,999 l (± 20%)

# INSUFFLATOR HIGHFLOW 45 HEAT

## WITH GAS HEATING



Product no.		
<b>Insufflator 45 HEAT bndl</b> consisting of: Insufflator 45 HEAT FR 45 L/min(2235021) and power cable, 3 m long (2440.03)	<b>22350212</b>	
<b>Accessories: Tube sets for insufflation with heating</b>		
Insufflation tube set L 3m high-flow with heating coil and integrated hygiene filter, (PACK=10 PCS), sterile, for single use	<b>4170502</b>	
Insufflation tube for 2235021/031 L 3m, high-flow with heating coil, autoclavable Up to 100 uses are possible with the reusable hose.	<b>8170202</b>	
Insufflation filter (PACK= 50 PCS)	<b>6421/04BAUA0010001</b>	
<b>Accessories for gas supply CO<sub>2</sub> bottle</b>		
Qualityreg CO <sub>2</sub> , Inlet pressure connection DIN ISO 477-6 outlet connection NIST, pressure gauge Flow meter	DIN ISO 477-6	<b>DM-DIN6-MS-NISTCO2</b>
Qualityreg CO <sub>2</sub> , Inlet connection DIN EN ISO 407 PIN INDEX, outlet connection NIST ,pressure gauge Flow meter	DIN EN ISO 407 PIN INDEX	<b>DM-PIN-MS-NIST-CO2</b>
Qualityreg CO <sub>2</sub> , Inlet connection ISO 5145 outlet connection NIST, pressure gauge Flow meter	ISO 5145	<b>DM-ISO-MS-NIST-CO2</b>
with		
Connection hose, quality CONNECT, CO <sub>2</sub> 1.5 m long	<b>DINCO2NIST-NIST1.5</b>	
<b>Optional for faster CO<sub>2</sub> bottle changes</b>		
Quick plug adapter NIST, (2 pieces recommended) DIN with safety chain, adapter NIST / coupling with chain and ring	<b>DM-AD-CO2NISTDINKU</b>	
Connection hose DIN, CO <sub>2</sub> , ZGV plug to NIST fitting, ISO-colored, 1.5 m long (Ceiling light)	<b>DIN-CO2-ZGVNIST1.5</b>	
<b>ZGV connection</b>		
Connection hose, quality CONNECT, CO <sub>2</sub> 5 m long, DIN for centralized CO <sub>2</sub> gas supply (Dräger)	<b>RW-CO2-ZGV-NIST5.0</b>	
Connection hose, quality CONNECT, CO <sub>2</sub> 5 m long, NF for centralized CO <sub>2</sub> gas supply (Liquid Air)	<b>NF-CO2-ZGV-NIST5.0</b>	
Connection hose DIN, CO <sub>2</sub> , ZGV plug to NIST fitting, ISO-colored, 1.5 m long (Ceiling light)	<b>DIN-CO2-ZGVNIST1.5</b>	
<b>Software modules (optional)</b>		
Software module CAN bus CAN bus interface for integration in CORE	<b>2235101</b>	
Software module BABY MODE BABY MODE for special use in pediatrics	<b>2235102</b>	
Software module VIDEO DISPLAY: video display using DIALOG via CAN bus	<b>2235103</b>	

## TECHNICAL DATA

## INSUFFLATOR HIGHFLOW 45 HEAT

Insufflator 45 HEAT		2235021
<b>Device properties</b>		
Operating mode	Continuous operation	
Operating conditions	+10°C to +40°C, 30% to 75% rel. humidity, atmospheric pressure 700 hPa to 1,060 hPa	
Storage and transport conditions	-20°C to +60°C, 10% to 90% rel. humidity, atmospheric pressure 700 hPa to 1,060 hPa	
<b>Power supply</b>		
Mains + frequency	100–127/220–240 V~, 50/60 Hz	
Power consumption	80 VA	
Current rating	0.8–0.3 A	
Fuse	T 3.15 AH 250 V	
<b>Regulatory standards</b>		
Protection class to IEC/EN 60601-1 (UL 60601-1/CSA C222 No6011 – for USA)	I	
Electromagnetic compatibility (EMC)	IEC/EN 60601-1-2	
Medical Devices Directive 93/42/EEC	Class IIb	
Protection against electric shock	Type CF applied part	
Degree of protection against the ingress of liquids	IP 20 (not protected)	
Degree of protection in the presence of flammable mixtures	Device is not protected against explosions (do not operate this device in explosive atmospheres)	
<b>Dimensions and weights</b>		
Weight	11.0 kg (23.3 lbs)	
Dimensions (W x H x D)	300 mm x 160 mm x 455 mm	
<b>Relevant application parameters</b>		
Insufflation medium	Medical-grade CO <sub>2</sub> (degree of purity > 99.5%)	
Intraabdominal pressure	3 mmHg to 25 mmHg (± 2 mmHg) selectable in increments of 1 mmHg	
Gas flow rate primary filling	1 l/min (± 50%)	
Gas flow rate, High Flow	2 l/min to 45 l/min (± 20%) selectable in increments of 1 l/min	
Consumption indicator	0 l to 9,999 l (± 20%)	

## INSUFFLATOR HIGHFLOW 45 EVAC + HEAT

WITH SMOKE GAS EVACUATION AND GAS HEATING



Artikel-Nr.		
<b>Insufflator 45 EVAC + HEAT bndl</b> consisting of: Insufflator 45 EVAC + HEAT FR 45 l/min(2235031), power cable, 3 m long (2440.03) and footswitch with 1 pedal (20301031)	<b>22350312</b>	
<b>Accessories: Tube sets for insufflation with heating and smoke gas evacuation</b>		
Insufflation tube set L 3m high-flow with heating coil and integrated hygiene filter, (PACK=10 PCS), sterile, for single use	<b>4170502</b>	
Insufflation tube for 2235021/031 L 3m, high-flow with heating coil, autoclavable Up to 100 uses are possible with the reusable hose.	<b>8170202</b>	
Insufflation filter (PACK= 50 PCS)	<b>6421/04BAUA0010001</b>	
Smoke gas evacuation tube set, steril, sterile, for single use (PACK= 10 PCS)	<b>2200/72BTUA1230001</b>	
<b>Accessories for gas supply CO<sub>2</sub> bottle</b>		
Qualityreg CO <sub>2</sub> , Inlet pressure connection DIN ISO 477-6 outlet connection NIST, pressure gauge Flow meter	DIN ISO 477-6	<b>DM-DIN6-MS-NISTCO2</b>
Qualityreg CO <sub>2</sub> , Inlet connection DIN EN ISO 407 PIN INDEX, outlet connection NIST ,pressure gauge Flow meter	DIN EN ISO 407 PIN INDEX	<b>DM-PIN-MS-NIST-CO2</b>
Qualityreg CO <sub>2</sub> , Inlet connection ISO 5145 outlet connection NIST, pressure gauge Flow meter	ISO 5145	<b>DM-ISO-MS-NIST-CO2</b>
with		
Connection hose, quality CONNECT, CO <sub>2</sub> 1.5 m long		<b>DINCO2NIST-NIST1.5</b>
<b>Optional for faster CO<sub>2</sub> bottle changes</b>		
Quick plug adapter NIST, (2 pieces recommended) DIN with safety chain, adapter NIST / coupling with chain and ring		<b>DM-AD-CO2NISTDINKU</b>
Connection hose DIN, CO <sub>2</sub> , ZGV plug to NIST fitting, ISO-colored, 1.5 m long (Ceiling light)		<b>DIN-CO2-ZGVNIST1.5</b>
<b>ZGV connection</b>		
Connection hose, quality CONNECT, CO <sub>2</sub> 5 m long, DIN for centralized CO <sub>2</sub> gas supply (Dräger)		<b>RW-CO2-ZGV-NIST5.0</b>
Connection hose, quality CONNECT, CO <sub>2</sub> 5 m long, NF for centralized CO <sub>2</sub> gas supply (Liquid Air)		<b>NF-CO2-ZGV-NIST5.0</b>
Connection hose DIN, CO <sub>2</sub> , ZGV plug to NIST fitting, ISO-colored, 1.5 m long (Ceiling light)		<b>DIN-CO2-ZGVNIST1.5</b>
<b>Software modules (optional)</b>		
Software module CAN bus CAN bus interface for integration in CORE		<b>2235101</b>
Software module BABY MODE BABY MODE for special use in pediatrics		<b>2235102</b>
Software module VIDEO DISPLAY: video display using DIALOG via CAN bus		<b>2235103</b>

## TECHNICAL DATA

## INSUFFLATOR HIGHFLOW 45 EVAC + HEAT

Insufflator 45 EVAC + HEAT		2235031
<b>Device properties</b>		
Operating mode	Continuous operation	
Operating conditions	+10°C to +40°C, 30% to 75% rel. humidity, atmospheric pressure 700 hPa to 1,060 hPa	
Storage and transport conditions	-20°C to +60°C, 10% to 90% rel. humidity, atmospheric pressure 700 hPa to 1,060 hPa	
<b>Power supply</b>		
Mains + frequency	100–127/220–240 V~, 50/60 Hz	
Power consumption	80 VA	
Current rating	0.8–0.3 A	
Fuse	T 3.15 AH 250 V	
<b>Regulatory standards</b>		
Protection class to IEC/EN 60601-1 (UL 60601-1/CSA C222 No6011 – for USA)	I	
Electromagnetic compatibility (EMC)	IEC/EN 60601-1-2	
Medical Devices Directive 93/42/EEC	Class IIb	
Protection against electric shock	Type CF applied part	
Degree of protection against the ingress of liquids	IP 20 (not protected)	
Degree of protection in the presence of flammable mixtures	Device is not protected against explosions (do not operate this device in explosive atmospheres)	
<b>Dimensions and weights</b>		
Weight	11.0 kg (23.3 lbs)	
Dimensions (W x H x D)	300 x 160 x 455 mm	

Relevant application parameters	
Insufflation medium	Medical-grade CO <sub>2</sub> (degree of purity > 99.5%)
Intraabdominal pressure	3 mmHg to 25 mmHg (± 2 mmHg) selectable in increments of 1 mmHg
Gas flow rate primary filling	1 l/min (± 50%)
Gas flow rate, High Flow	2 l/min to 45 l/min (± 20%) selectable in increments of 1 l/min
Consumption indicator	0 l to 9,999 l (± 20%)

## STERILE SMOKE SET FOR SMOKE GAS DISCHARGE

	
<p><b>Smoke set</b> smoke filter with tube (PACK= 10 PCS) in individual sterile packaging</p>	<p><b>Product no.</b> <b>2200/47BDKBTUA123</b></p>

## FLUID CONTROL 2225

### SUCTION IRRIGATION PUMP

	
<b>Product no.</b>	
<b>FLUID CONTROL 2225</b>	
<b>Irrigation pump for Hys/Uro/Lap bndl</b>	<b>22250011</b>
consisting of:	
Irrigation pump for Hys/Uro/Lap (2225001)	
and power cable 3 m long (2440.03)	
<b>for this:</b>	
<b>Balancing module</b> for hysteroscopy and endourology, fluid management for fluid balancing in combination with FLUID CONTROL 2225, mobile stand with integrated weighing cells and space for up to 4 irrigation fluid bags	<b>2225023</b>

<b>Accessories</b>	<b>Product no.</b>
<b>Footswitch</b>	only for use in urology and within the indication TUR/enucleation, possibility of short-term increase in pressure if visibility is poor (Flush function)

# FLUID CONTROL 2225

## SUCTION IRRIGATION TUBE SETS

Irrigation			Product no.
<b>Accessories – reusable</b>	<b>Tube set with piercing spike</b>	with Luer-Lock connection, autoclavable, incl. 10 spare membranes, reusable for 20 reprocessing cycles	<b>8171223</b>
<b>Accessories – disposable</b>	<b>Irrigation tube set with piercing spike, L 3 m</b>	(PACK= 10 PCS), with Luer-Lock connection, sterile, disposable product	<b>4171223</b>
	<b>Tube set with CARE-LOCK, L 3 m</b>	(PACK= 10 PCS), sterile, disposable product	<b>4171224</b>
	<b>Suction irrigation tube set</b>	(PACK= 10 PCS), with piercing spike, sterile disposable product, PVC	<b>4171225</b>

Suction			Product no.
<b>Accessories – reusable</b>	<b>Tube set for vacuum, incl. filter</b>	with integrated hygiene filter, PACK= 10 PCS, service life: 30 days (connected to irrigation pump)	<b>2206207</b>
	<b>Irrigation tube</b>	L 1.2 m, with Luer-Lock, for suction irrigation handle 8385.901 and tube set 8171223 or 8170.223	<b>817123</b>
	<b>Suction tube L 3 m</b>	for suction irrigation handle 8385.901	<b>8171402</b>
	<b>Secretion container, 2 l</b>	2 liters, without cover	<b>8170.6551</b>
	<b>Cover</b>	for secretion trap 8170.6551, reusable	<b>8170.6552</b>
<b>Accessories – disposable</b>	<b>Secretion container, 2.5 l</b>	2.5 liters	<b>41706566</b>
	<b>Secretion container bndl</b> consisting of:	Secretion container 2.5 l (41706566) and secretion bag (PACK= 90 PCS) (41706564)	<b>4170657</b>
	<b>Tube set for suction (2 connections)</b>	sterile, disposable product, (PACK= 10 PCS) for connecting instruments to collecting container	<b>T0503-01</b>
	<b>Angled 90° plug-in coupling</b>	(PACK= 10 PCS) For connecting vacuum tube 2206207 to disposable container systems	<b>0771019</b>

## FLUID CONTROL 2225

### CABLE ACCESSORIES

	Product no.
<b>Patch cable, RJ45 SFTP, 0.5 m</b>	<b>72325378</b>
<b>Patch cable, RJ45 HRSTM11, 1.0 m</b>	<b>72325429</b>
<b>Patch cable, RJ45 S/FTP CAT6 10 m</b>	<b>72325434</b>
<b>Plastic caps for network socket</b>	<b>(PACK= 8 PCS)</b>
<b>Power cable</b>	<b>2440.03</b>

# TECHNICAL DATA

## FLUID CONTROL 2225

FLUID CONTROL 2225		2225001
<b>Device properties</b>		
Operating conditions	+10°C to +40°C, 30% to 75% rel. humidity, 70 to 106 kPa atmospheric pressure 3,000 m max. altitude above sea level	
Storage and transport conditions	-20°C to +60°C, 10% to 90% rel. humidity 70 to 106 kPa atmospheric pressure	
<b>Power supply</b>		
Mains + frequency	100–240 V~, 50/60 Hz	
Power consumption	100 V/60 Hz	110 VA
	240 V/50 Hz	120 VA
Current rating	100 V/60 Hz	1.10 A
	240 V/50 Hz	0.50 A
Fuse	T 3.15 AH, 250 V	
<b>Regulatory standards</b>		
Protection class (I, II)	I	
Electromagnetic compatibility (EMC)	EN 60601-1/IEC 60601-1 EN 60601-1-2/IEC 60601-1-2	
Medical Devices Directive 93/42/EEC	Class IIb	
Housing protection rating (IP code)	IP21	
Protection against electric shock	Type BF applied part	
Degree of protection in the presence of flammable mixtures	Device is not protected against explosions (do not operate this device in explosive atmospheres)	
Maximum suction vacuum	-60 kPa	
<b>Dimensions and weights</b>		
Weight	8.8 kg	
Dimensions (W x H x D)	300 mm x 157 mm x 436 mm	
<b>Relevant application parameters</b>		
Nominal flow range	Hysteroscopy: 800 ml/min (max. flow, not adjustable) Endourology: 10–800 ml/min (max. flow) Laparoscopy: 0.1–1.8 l/min (max. flow)	
Suction power	max. 2 l/min	
Starting nominal pressure range	Hysteroscopy: 15–200 mmHg Endourology: 15–90 mmHg/20–120 cmH2O Laparoscopy: 300 mmHg (not adjustable)	
Pressure	0–300 mmHg	
Deficit	-9,990 to +9,990 ml/0 to 99.9 l	

## TECHNICAL DATA

### FLUID CONTROL 2225

<b>Balancing module</b>	<b>2225023</b>
<b>Device properties</b>	
Operating conditions	+10°C to +40°C, 30% to 75% rel. humidity, 70 to 106 kPa atmospheric pressure 3,000 m max. altitude above sea level
Storage and transport conditions	-20°C to +60°C, 10% to 90% rel. humidity 70 to 106 kPa atmospheric pressure
<b>Regulatory standards</b>	
Electromagnetic compatibility (EMC)	EN 60601-1/IEC 60601-1 EN 60601-1-2/IEC 60601-1-2
Housing protection rating (IP code)	IP21
Maximum load of container scale	16 kg/4 containers of 3 l each
Maximum load of bag scale	23 kg/4 bags of 5 l each
<b>Dimensions and weights</b>	
Weight	15.4 kg
Dimensions (W x H x D)	618 mm x 1,064 mm x 618 mm

<b>Footswitch</b>	<b>2204901</b>
<b>Power supply</b>	
Power supply connection	max. 24 V
Power consumption	max. 0.1 A
<b>Regulatory standards</b>	
Electromagnetic compatibility (EMC)	EN 60601-1/IEC 60601-1
Housing protection rating (IP code)	IPX8
Plug	7-pin circular connector
Cable length	4.5 m
<b>Dimensions and weights</b>	
Weight	300 g
Dimensions (W x H x D)	66 mm x 27 mm x 91 mm

## FLUID CONTROL LAP 2216

	<b>Product no.</b>
<b>FLUID CONTROL</b> <b>LAP suction irrigation pump bndl</b> consisting of: LAP suction irrigation pump (2216001) and power cable 3 m long (2440.03)	<b>22160011</b>

Accessories	Product no.
<b>Bracket</b>	for fixing the suction container on the irrigator stand or MUT cart
<b>Universal holder</b>	for FLUID CONTROL LAP on RIWOmobil

## LAP SUCTION IRRIGATION PUMP 2216

## SUCTION IRRIGATION TUBE SETS

Irrigation			Product no.
<b>Accessories – reusable</b>	<b>Tube set with piercing spike</b>	with Luer-Lock connection, autoclavable, incl. 10 spare membranes, reusable for 20 reprocessing cycles	<b>8171223</b>
<b>Accessories – disposable</b>	<b>Irrigation tube set with piercing spike, L 3 m</b>	(PACK= 10 PCS), with Luer-Lock connection, sterile, disposable product	<b>4171223</b>
	<b>Tube set with CARE-LOCK, L 3 m</b>	(PACK= 10 PCS), sterile, disposable product	<b>4171224</b>
	<b>Suction irrigation tube set</b>	(PACK= 10 PCS), with piercing spike, sterile disposable product, PVC	<b>4171225</b>

Suction			Product no.
<b>Accessories – reusable</b>	<b>Tube set for vacuum, incl. filter</b>	with integrated hygiene filter, PACK= 10 PCS, service life: 30 days (connected to irrigation pump)	<b>2206207</b>
	<b>Irrigation tube</b>	L 1.2 m, with Luer-Lock, for suction irrigation handle 8385.901 and tube set 8171223 or 8170.223	<b>817123</b>
	<b>Suction tube L 3 m</b>	for suction irrigation handle 8385.901	<b>8171402</b>
	<b>Secretion container, 2 l</b>	2 liters, without cover	<b>8170.6551</b>
	<b>Cover</b>	for secretion trap 8170.6551, reusable	<b>8170.6552</b>
<b>Accessories – disposable</b>	<b>Secretion container, 2.5 l</b>	2.5 liters	<b>41706566</b>
	<b>Secretion container bndl</b> consisting of:	Secretion container 2.5 l (41706566) and secretion bag (PACK= 90 PCS) (41706564)	<b>4170657</b>
	<b>Tube set for suction (2 connections)</b>	sterile, disposable product, (PACK= 10 PCS) for connecting instruments to collecting container	<b>T0503-01</b>
	<b>Angled 90° plug-in coupling</b>	(PACK= 10 PCS) For connecting vacuum tube 2206207 to disposable container systems	<b>0771019</b>

# TECHNICAL DATA

## FLUID CONTROL LAP 2216

LAP suction irrigation pump		2216001
<b>Device properties</b>		
Operating conditions	+10°C to +40°C, 30% to 75% rel. humidity, atmospheric pressure 700 hPa to 1,060 hPa 3,000 m max. altitude above sea level	
Storage conditions	+5°C to +40°C, 5% to 90% rel. humidity, atmospheric pressure 700 hPa to 1,060 hPa	
Transport and shipping conditions	-20°C to +60°C, 5% to 90% rel. humidity, atmospheric pressure 700 hPa to 1,060 hPa	
<b>Power supply</b>		
Mains + frequency	100–240 V~, 50/60 Hz	
Power consumption	100 V/60 Hz	65 VA
	240 V/50 Hz	96 VA
Current rating	100 V/60 Hz	0.65 A
	240 V/50 Hz	0.42 A
Protection class	I	
Electromagnetic compatibility (EMC)	IEC 60601-1/EN 60601-1 IEC 60601-1-2/EN 60601-1-2	
Medical Devices Directive 93/42/EEC	Class IIa	
Protection against electric shock	Type BF applied part	
Degree of protection against the ingress of liquids	IP 41	
Degree of protection in the presence of flammable mixtures	Device is not protected against explosions (do not operate this device in explosive atmospheres)	
<b>Dimensions and weights</b>		
Weight	4 kg	
Dimensions (W x H x D) with toggle screw	140 mm x 210 mm x 295 mm	

Relevant application parameters	
Maximum delivery rate	Rinsing: 2.0 l/min ( $\pm$ 10%), suction: 2.0 l/min (+0.4/-0.1 l/min)
Maximum pump pressure	400 mmHg ( $\pm$ 50 mmHg)
Motor cut-out	500 mmHg after 5 s ( $\pm$ 25 mmHg)
Suction pressure	between -50 kPa and -60 kPa
Connections	Equipotential bonding, vacuum connection

## HF GENERATOR 2260



**core**

		Product no.
HF surgical generator 400 kHz	for the connection of monopolar and bipolar accessories, international version (BOWA, KLS Martin, Olympus, Karl Storz, Valleylab)	<b>2260001</b>
HF surgical generator 400 kHz	for the connection of monopolar and bipolar accessories, E version (Erbe)	<b>2260002</b>

Accessories required	Cable length	Product no.
Footswitch, 2 pedals L 5 m with fixed connection cable, reusable		<b>2260021</b>
Neutral electrode for use with high-frequency surgical device, Foil bag with 5 neutral electrodes, (PACK= 50 PCS)		<b>1280H</b>
Mono HF neutral electrode cable, L 4.5 m	4.5 m	<b>2260031</b>
Power cable	3.0 m	<b>2440.03</b>
Bipo HF connection cable L 3 m	3.0 m	<b>8108233</b>
Bipo HF connection cable L 5 m	5.0 m	<b>8108253</b>

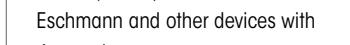
# HF GENERATOR 2260

## TECHNICAL DATA

HF surgical generator 400kHz		2260001/2260002
<b>Device properties</b>		
Type of controls on housing front	Touch panel	
Output power	max.cutting power	400 W
	max.coagulation power	350 W
LF and HF leakage currents	acc. to DIN EN 60601 1 and DIN EN 60601 2 2	
Signal level	HF indicator 55 dB(A); adjustable 45–60 dB(A) Alarm 65 dB(A)	
Operating conditions	+10°C to +40°C, 30% to 75% rel humidity, 700 hPa to 1,060 hPa atmospheric pressure	
Storage and transport conditions	- 20°C to + 60°C, 10% to 90% rel humidity, 700 hPa to 1,060 hPa atmospheric pressure	
<b>Power supply</b>		
Mains + frequency	100–240 V~, 50/60 Hz	
Power consumption	without HF output	45 VA
	at max. output power	650 VA
Current rating	max. 6.3 A	
Fuse	T 6.3 AH 250 V	
<b>Regulatory standards</b>		
Protection class to EN/IEC 60601-1 (UL 2601-1/CSA C222 No6011 – for USA)	I	
Electromagnetic compatibility (EMC)	EN/IEC 60601-1-2	
Medical Devices Directive 93/42/EEC	Class IIb	
Degree of protection against the ingress of liquids (DIN EN/IEC 60529)	IPX0	
Degree of protection against the ingress of solids	IP2X	
Duty factor (duty cycle DC)	Intermittent INT 10 s/30 s corresponding to 25% DC	
Protection against electric shock	Model CF applied part, defibrillator-proof	
Degree of protection in the presence of flammable mixtures	Device is not protected against explosions (do not operate this device in explosive atmospheres)	
<b>Dimensions and weights</b>		
Weight	10.2 kg (22.4 lbs)	
Dimensions (W x H x D)	300 x 159 x 419 mm	

# HF CONNECTION CABLE MONO

## 815XXX

Instrument connector	Device connector	Product no.
<b>WOLF Resectoscopes</b>  	  ERBE (ACC/ICC/VIO)/BOWA (EU) R. Wolf HF surgical generator 400 kHz 2260002	HF connection cable mono L 3 m  <b>815.032</b>
	  ERBE (T series)	HF connection cable mono L 5 m  <b>815.052</b>
	  Martin (M-version)/Berchtold/ Aesculap	HF connection cable mono L 3 m  <b>815.132</b>
<b>HF electrodes, monopolar</b>  	  Bovie/Valleylab/Erbe (Int.)/ BOWA (Int.) R. Wolf HF surgical generator 400 kHz 2260001	HF connection cable mono L 5 m  <b>815.152</b>
	  BOWA (Int./EU) Eschmann and other devices with 4 mm plugs R. Wolf HF surgical generator 400 kHz 2260001	HF connection cable mono L 3 m  <b>815.031</b>
	  BOWA (Int./EU) Eschmann and other devices with 4 mm plugs R. Wolf HF surgical generator 400 kHz 2260001	HF connection cable mono L 5 m  <b>815.051</b>
	  BOWA (Int./EU) Eschmann and other devices with 4 mm plugs R. Wolf HF surgical generator 400 kHz 2260001	HF connection cable mono L 3 m  <b>815.033</b>
	  BOWA (Int./EU) Eschmann and other devices with 4 mm plugs R. Wolf HF surgical generator 400 kHz 2260001	HF connection cable mono L 5 m  <b>815.053</b>
	  BOWA (Int./EU) Eschmann and other devices with 4 mm plugs R. Wolf HF surgical generator 400 kHz 2260001	HF connection cable mono L 3 m  <b>815.034</b>
	  BOWA (Int./EU) Eschmann and other devices with 4 mm plugs R. Wolf HF surgical generator 400 kHz 2260001	HF connection cable mono L 5 m  <b>815.054</b>

# HF CONNECTION CABLE MONO

## 8106xxx

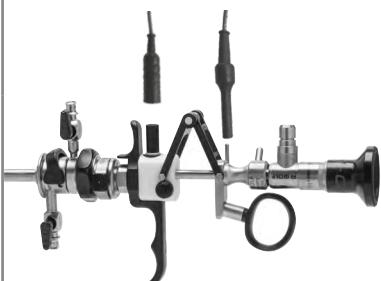
Instrument connector	Device connector	Product no.
<b>WOLF</b> Instruments/surgical generator		HF connection cable mono L 3 m  <b>8106.032</b>
	Erbe (ACC/ICC/VIO)/BOWA (EU) R. Wolf HF surgical generator 400 kHz 2260002	HF connection cable mono L 5 m  <b>8106.052</b>
		HF connection cable mono L 3 m  <b>8106.132</b>
	Erbe (T series)	HF connection cable mono L 5 m  <b>8106.152</b>
<b>HF electrodes,</b> <b>monopolar</b>		HF connection cable mono L 3 m  <b>8106.031</b>
	Martin (M-version)/Berchtold/ Aesculap	HF connection cable mono L 5 m  <b>8106.051</b>
		HF connection cable mono L 3 m  <b>8106.033</b>
	Bovie/Valleylab/Erbe (Int.)/ BOWA (Int.) R. Wolf HF surgical generator 400 kHz 2260001	HF connection cable mono L 5 m  <b>8106.053</b>
		HF connection cable mono L 3 m  <b>8106.034</b>
	BOWA (Int./EU) Eschmann and other devices with 4 mm plugs R. Wolf HF surgical generator 400 kHz 2260001/2260002	HF connection cable mono L 5 m  <b>8106.054</b>

# BIPO HF CONNECTION CABLE

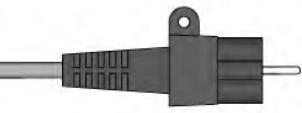
## 8108xxx

Instrument connector	Device connector		Product no.
WOLF Bipolar forceps	 ERBE (ACC/ICC/T)/BOWA (EU) R. Wolf HF surgical generator 400 kHz 2260001/2260002	HF connection cable bipo; L 3 m	8108.032
		HF connection cable bipo; L 5 m	8108.052
	 International / 2-pin Valleylab R. Wolf HF surgical generator 400 kHz 2260001/2260002	HF connection cable bipo; L 3 m	8108.033
		HF connection cable bipo; L 5 m	8108.053
	 WOLF/Martin (M-version)/ Berchtold/Aesculap	HF connection cable bipo; L 3 m	8108.031
		HF connection cable bipo; L 5 m	8108.051
	 EMC Dolly	HF connection cable bipo; L 3 m	8108.035
Bipolar tweezers connection	 ERBE (ACC/ICC/T)/BOWA (EU) R. Wolf HF surgical generator 400 kHz 2260001/2260002	HF connection cable bipo; L 3 m	8108.132
		HF connection cable bipo; L 5 m	8108.152
	 International / 2-pin Valleylab R. Wolf HF surgical generator 400 kHz 2260001/2260002	HF connection cable bipo; L 3 m	8108.133
		HF connection cable bipo; L 5 m	8108.153
	 Martin (M-version)/Berchtold/ Aesculap	HF connection cable bipo; L 3 m	8108.131
		HF connection cable bipo; L 5 m	8108.151
	 EMC Dolly	HF connection cable bipo; L 3 m	8108.135

## HF CONNECTION CABLE BIPO FOR RESECTION IN SALINE SOLUTION

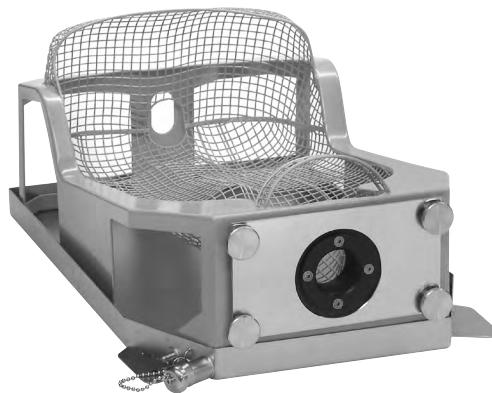
Instrument connector	Device connector	Product no.
<b>WOLF</b> <b>Bipolar resectoscopes</b> 	 Erbe VIO 300D	<b>Bipolar cable; TUR/TCR; WOLF</b> MF plug; L 4 m <b>20196-119</b>
	 Erbe VIO 3	<b>BIPOLAR CABLE; MF-U</b> MF plug; L 4.5 m <b>21196-119</b>
	 KLS Martin	<b>HF connection cable bipo; L 3 m</b> <b>8108.231</b>
		<b>HF connection cable bipo; L 5 m</b> <b>8108.251</b>
	 R. Wolf HF surgical generator 400 kHz 2260001/2260002	<b>HF connection cable bipo; L 3 m</b> <b>8108233</b>
		<b>HF connection cable bipo; L 5 m</b> <b>8108253</b>

## MONO HF NEUTRAL ELECTRODE CABLE

Instrument connector	Device connector	Product no.
<b>2-pole neutral electrode</b>  	  R. Wolf HF surgical generator 400 kHz 2260001/2260002	<b>Mono HF neutral electrode cable, L 4.5 m</b>  <b>2260031</b>

## TÜBINGER MIC TRAINING DEVICE

X22|| Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

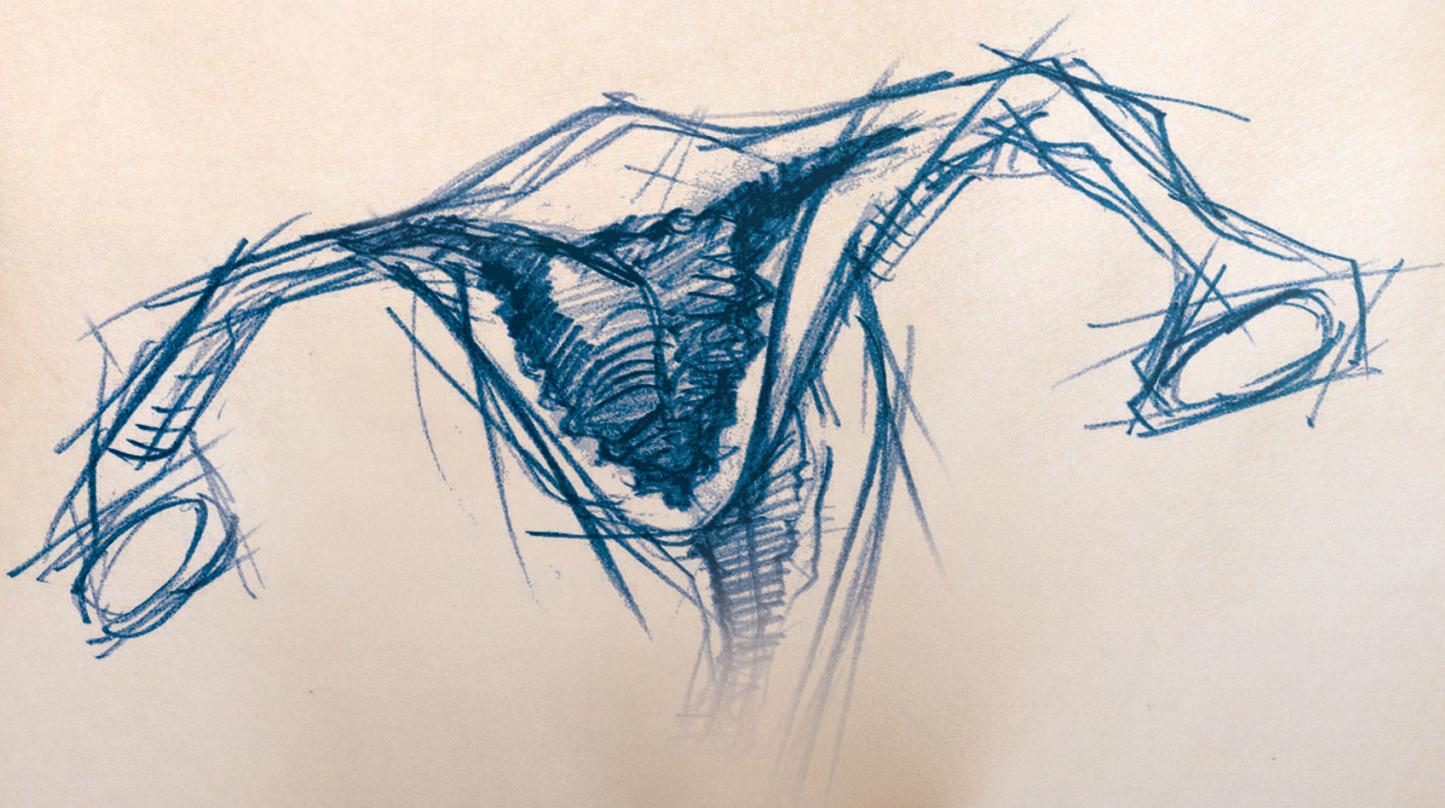


	Product no.
<b>Tübinger MIC trainer</b> with 3 abdominal walls (foam rubber)	<b>9500.056</b>

Recommended accessories	Product no.
<b>Abdominal wall</b> , foam rubber, PACK= 5 PCS	<b>9500.0561</b>



Available on request with transportation case



**DIAGNOSTIC AND  
SURGICAL HYSTEROSCOPY**

## DIAGNOSTIC AND SURGICAL HYSTEROSCOPY

1

**BASIC SETS**

2

**TELESCOPES**

3

**HYSTEROSCOPE SHEATHS FOR 2.5 MM/4.0 MM TELESCOPES**

4

**HYSTEROSCOPE Ø 3.9 MM, 30°/HYSTEROSCOPE Ø 5 MM, 20°**

5

**FORCEPS/SCISSORS/SMALL MODULAR SYSTEM **HySafe****

6

**ELECTRODES, BIPOLAR, MONOPOLAR**

7

**INSTRUMENTS FOR PORTIO AND UTERUS**

8

**HYSTEROSCOPIC RESECTION**

9

**FLEXIBLE HYSTEROSCOPE**

10

**FLUID CONTROL**

11

**HF GENERATOR**

12

**ACCESSORIES**

**BASIC SET**  
FOR DIAGNOSTIC HYSTEROSCOPY

Product	Product no.	Quantity	Catalog/Section
without working channel			
Telescope 30° Ø 2.7 mm SL 310 mm	<b>8974.402</b>	1	Gynecology / hysteroscopy
Sheath for hysteroscope 10.5 Fr	<b>8985.11</b>	1	
alternative:			
Kompakt Hysteroscope bndl	<b>89864021</b>	1	Gynecology / hysteroscopy
Handle for hysteroscope	<b>8986.251</b>	1	
Biopsy forceps bndl	<b>8642.6312</b>	1	
Grasping forceps bndl	<b>8642.6502</b>	1	

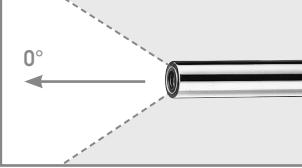
## BASIC SET

FOR OPERATIVE HYSTEROSCOPY

 PR~~Y~~CESS<sup>®</sup> E-LINE & S(A)LINE SYSTEM,  
 TELESCOPE 2.7 MM, 12°, 21 FR, PASSIVE, CONTINUOUS IRRIGATION

Product	Product no.	Quantity	Catalog/Section
Outer sheath for resectoscope 21 Fr	8653.021	1	
Inner sheath for resectoscope 19 Fr	8653.018	1	
Obturator for resectoscope 19 Fr	8653.18	1	
Passive, mono/bipo working element with open handle, passive cutting	8653.224	1	
Telescope 12° Ø 2.7 mm SL 310 mm	8974.412	1	
Cutting electrode bipo 21 Fr	46531313	1	Gynecology / hysteroscopy
Roller electrode bipo 21/24.5 Fr	4653.023	1	
Hook electrode mono/bipo 21/24.5 Fr	865303	1	
Protective sterilization sleeve for connection to max. 5 electrodes, reusable	33030	1	
Bipolar HF cable	8108....	1	
FLUID CONTROL 2225 Irrigation pump for HYS/URO/LAP bndl	22250011	1	
Balancing module	2225023	1	

## MINI FIBER TELESCOPE 2.0 MM

					
8754.401					<b>AUTOCLAVE 134° C / 273° F</b>
8754.221					
Direction of view	WL	TL	Ø	Product no.	
0°	268 mm	365 mm	2.0 mm	<b>8754401</b>	
<b>also:</b>					
<b>VERES cannula Ø 2.3 mm WL 250 mm</b> consisting of: 1x VERES cannula Ø 2.3 mm WL 274 mm (8754.211) 1x outer sheath Ø 2.8 mm, WL 250 mm (8754.221)	250 mm		2.3 mm	<b>8754201</b>	

Recommended accessories	Product no.
<b>Perforated basket for standard telescope 2</b> (for telescope 8754.401)	(L x W x H) 481 x 59 x 54 mm <b>38016</b>
<b>Fiber light cable bndl</b> consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 2.5 mm, 2.3 m long <b>806625231</b>

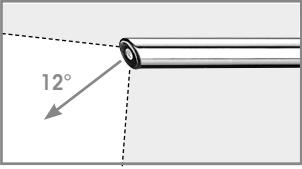
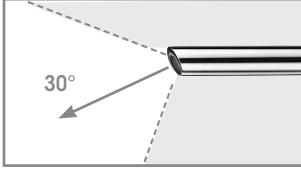
## MINI SURGICAL HYSTEROSCOPE



	Direction of view	W x H	WL	TL	Product no.
Telescope 12° W 3.6 mm H 2 mm WL 227 mm with lateral eyepiece	12°	3.6 x 2.0 mm	227 mm	358 mm	<b>8753.411</b>
<b>also:</b>					
	Color coding	WL	Outer Ø	Working channel	Product no.
Outer sheath for hysteroscope 15 Fr	yellow	214 mm	3.8 mm	3 Fr	<b>8753.001</b>
Inner sheath for hysteroscope		-	1.5 mm		<b>8753.002</b>
Outer sheath for hysteroscope 15 Fr	blue	214 mm	4.8 mm	5 Fr	<b>8753.003</b>
Inner sheath for hysteroscope		-	2.2 mm x 3.42 mm		<b>8753.004</b>
Outer sheath for hysteroscope 15.5 Fr	green	214 mm	5.4 mm	7 Fr	<b>8753.006</b>
Inner sheath for hysteroscope		-	2.8 mm x 2.98 mm		<b>8753.007</b>
Outer sheath for hysteroscope 17.5 Fr	white	214 mm	5.8 mm	9 Fr	<b>8753.008</b>
Inner sheath for hysteroscope		-	3.5 mm x 4.04 mm		<b>8753.009</b>
Recommended accessories					
Rigid grasping forceps Ø 3 mm WL 346 mm					<b>8993.235</b>
Perforated basket for hysteroscope 1 for holding replacement sheaths, with small parts basket		Internal dimens. (W x H x D): 51 x 65 x 124 mm External dimens. (W x H x D): 467 x 75 x 132 mm			<b>38006</b>
Fiber light cable bndl consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)		Ø 2.5 mm, 2.3 m long			<b>806625231</b>

## HYSTEROSCOPE TELESCOPES Ø 2.7 MM/Ø 4.0 MM

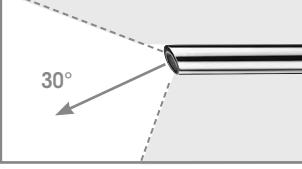


**AUTOCLAVE**  
**134° C / 273° F**

	Direction of view	Ø	SL	TL	Product no.
Telescope 12° Ø 2.7 mm SL 310 mm	12°	2.7 mm	310 mm	373 mm	<b>8974.412</b>
Telescope 30° Ø 2.7 mm SL 310 mm	30°	2.7 mm	310 mm	370 mm	<b>8974.402</b>





**AUTOCLAVE**  
**134° C / 273° F**

	Direction of view	Ø	SL	TL	Product no.
Telescope 30° Ø 4 mm SL 299 mm	30°	4.0 mm	299 mm	372 mm	<b>8989.412</b>

Recommended accessories	Product no.
Perforated basket for standard telescope 2	38016
Fiber light cable bndl consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	806625231

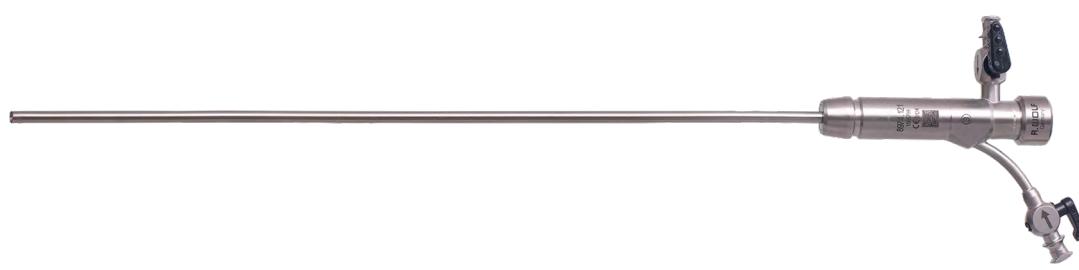
DIAGNOSTIC HYSTEROSCOPE SHEATH  
10.5 FR /Ø 3.5 MM  
FOR TELESCOPE 2.7 MM, 30°



	Sheath	WL	Product no.		
	10.5 Fr/ Ø 3.5 mm	255 mm	<b>8985.11</b>		
<b>Sheath for hysteroscope 10.5 Fr round</b>					
<b>also:</b>					
	Direction of view	Ø	SL	TL	Product no.
					<b>8986.251</b>
<b>Handle for hysteroscope</b>					
<b>Telescope 30° Ø 2.7 mm SL 310 mm</b>	30°	2.7 mm	310 mm	370 mm	<b>8974.402</b>

Recommended accessories	Product no.
<b>Perforated basket for standard telescope 2</b>	<b>38016</b>
<b>Fiber light cable bndl</b> consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	<b>806625231</b>

**DIAGNOSTIC HYSTEROSCOPE SHEATH  
12 FR, OVAL  
FOR TELESCOPE 2.7 MM, 30°**



	Sheath	Working channel	WL	Product no.
	12 Fr	3 Fr	246 mm	<b>8974.121</b>
<b>Sheath for hysteroscope 12 Fr oval</b>				
<b>also:</b>				
	Direction of view	Ø	SL	TL
<b>Telescope 30° Ø 2.7 mm SL 310 mm</b>	30°	2.7 mm	310 mm	370 mm
				<b>8974.402</b>

Recommended accessories	Product no.
<b>Perforated basket for standard telescope 2</b>	<b>38016</b>
<b>Fiber light cable bndl</b> consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	<b>806625231</b>

## OptiFLOW™

### HIGHFLOW CONTINUOUS IRRIGATION SURGICAL SHEATH

5.5 MM

FOR TELESCOPE 2.7 MM, 12° AND 30°



	Sheath Ø	Working channel	WL	Product no.
	16,5 Fr	5 Fr	219 mm	<b>8974351</b>
<b>Sheath for hysteroscope 16.5 Fr</b> distal sheath end, oval				
<b>also:</b>				
	Direction of view	Ø	SL	TL
Telescope 12° Ø 2.7 mm SL 310 mm	12°	2.7 mm	310 mm	373 mm
Telescope 30° Ø 2.7 mm SL 310 mm	30°	2.7 mm	310 mm	370 mm
				<b>8974.412</b>
				<b>8974.402</b>

Recommended accessories	Product no.
Perforated basket for standard telescope 2	38016
Fiber light cable bndl consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	806625231

## DIAGNOSTIC HYSTEROSCOPE SHEATH

### 15 FR

#### FOR TELESCOPE 4 MM, 30°

	Sheath Ø 15 Fr	Working channel 3 Fr	WL 255 mm	Product no. <b>8989.151</b>
<b>Sheath for hysteroscope 15 Fr</b> distal sheath end, oval				
<b>also:</b>				
				<b>8986.251</b>
<b>Handle for hysteroscope</b>				
<b>Telescope 30° Ø 4 mm SL 299 mm</b>	Direction of view 30°	Ø 4.0 mm	SL 299 mm	TL 372 mm
				<b>8989.412</b>

Recommended accessories	Product no.
<b>Perforated basket for standard telescope 2</b>	Dimensions (L x W x H): 481 x 59 x 54 mm
<b>Fiber light cable bndl</b> consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 2.5 mm, 2.3 m long
	<b>38016</b>
	<b>806625231</b>

**SURGICAL CONTINUOUS IRRIGATION HYSTEROSCOPE SHEATH  
15 FR OVAL  
FOR TELESCOPE 4 MM, 30°**



	Sheath	Working channel	WL	Product no.
	15 Fr	3 Fr	230 mm	<b>8989.031</b>
<b>Sheath for hysteroscope 15 Fr</b> distal sheath end, oval				
<b>also:</b>				
	Direction of view	Ø	SL	TL
<b>Telescope 30° Ø 4 mm SL 299 mm</b>	30°	4.0 mm	299 mm	372 mm
				<b>8989.412</b>

Recommended accessories	Product no.
<b>Perforated basket for standard telescope 2</b>	<b>38016</b>
<b>Fiber light cable bndl</b> consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	<b>806625231</b>

# SURGICAL CONTINUOUS IRRIGATION HYSTEROSCOPE SHEATH 21 FR FOR TELESCOPE 4 MM, 30°

byGallinat

8988.031



8988.231



8988.241



		Sheath	Working channel	WL	Product no.
	Outer sheath for hysteroscope 21 Fr oval with oblique distal end, rotatable drain stopcock, and quick release lock	21 Fr	-	204 mm	<b>8988.031</b>
also: 	Obturator for hysteroscope OD 5 mm specifically for 8988.031				<b>8988.131</b>
	Working insert for hysteroscope 21 Fr with deflection lever and supply stopcock		7 Fr		<b>8988.231</b>
	Working insert for hysteroscope 21 Fr with ramp and supply stopcock		7 Fr		<b>8988.241</b>
also:					
	Direction of view	Ø	SL	TL	Product no.
Telescope 30° Ø 4 mm SL 299 mm	30°	4.0 mm	299 mm	372 mm	<b>8989.412</b>
<b>Recommended accessories</b>					
Perforated basket for standard telescope 2	Dimensions (L x W x H): 481 x 59 x 54 mm			<b>38016</b>	
Fiber light cable bndl consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 2.5 mm, 2.3 m long			<b>806625231</b>	

**Kompakt**  
Hysteroskope

## HYSTEROSCOPE 3.9 MM, 30°

**RICHARD**  
**WOLF** 

spirit of excellence



**AUTOCLAVE**  
**134° C / 273° F**

	Sheath	Working channel	WL	Product no.
<b>Hysteroscope bndl</b> consisting of: Hysteroscope 30° Ø 3.9 mm WL 217 mm (8986402) and rubber cap capacity 0.8 mm (PACK = 10 PCS, 88.01)	Ø 3.9 mm	5 Fr	217 mm	<b>89864021</b>
<b>Handle for hysteroscope</b>				<b>8986.251</b>

Recommended accessories	Product no.	
<b>Perforated basket for hysteroscope 2</b> with small part basket	Internal dimensions (W x H x D): 451 x 80 x 124 mm, External dimensions (W x H x D): 467 x 90 x 132 mm	<b>38009</b>
<b>Fiber light cable bndl</b> consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 2.5 mm, 2.3 m long	<b>806625231</b>



**AUTOCLAVE**  
**134° C / 273° F**

	Sheath	Working channel	WL	Product no.
<b>Hysteroscope 20° Ø 5 mm WL 217 mm with lateral eyepiece</b>	Ø 5 mm	5 Fr	217 mm	<b>8986.401</b>
<b>Handle for hysteroscope</b>				<b>8986.251</b>

Recommended accessories	Product no.
<b>Perforated basket for hysteroscope 2</b> with small part basket	Internal dimensions (W x H x D): 451 x 80 x 124 mm, External dimensions (W x H x D): 467 x 90 x 132 mm <b>38009</b>
<b>Fiber light cable bndl</b> consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 2.5 mm, 2.3 m long <b>806625231</b>

RIGID PREPARATION FORCEPS 7 FR



with irrigation connector	Fr	WL	TL	Product no.
 <b>Rigid preparation forceps 7 Fr WL 371 mm with internal and external toothng</b>	7 Fr	371 mm	460 mm	<b>8992.621</b>

## FORCEPS AND SCISSORS

SMALL MODULAR SYSTEM **HySafe**

360° ROTATABLE, CAN BE FLUSHED THROUGH, EASY CLICK

Grasping forceps jaw insert with sheath	Handle with overload protection	Complete instrument • Jaw section • Handle		
Product no.	Fr	WL	8083.001	Product no.
<b>Grasping forceps bndl</b> angled distally with pike-mouth jaws	8642.6508	5	340 mm	• <b>8642.6502</b>
<b>Grasping forceps bndl</b> with pike-mouth jaws	8992.6308	7	310 mm	• <b>8992.6302</b>
<b>Biopsy forceps bndl</b> spoon	8642.6008	5	340 mm	• <b>8642.6002</b>
<b>Scissors bndl</b>	8642.6818	5	340 mm	• <b>8642.6812</b>
<b>Biopsy forceps bndl</b>	8642.6318	5	340 mm	• <b>8642.6312</b>
<b>Hook scissors bndl</b>	8992.6408	7	310 mm	• <b>8992.6402</b>

## MONOPOLAR ELECTRODE 5/6 FR

## MONOPOLAR



	Fr	WL	Product no.
Coagulation electrode mono 6 Fr WL 400 mm	6 Fr	400 mm	<b>823.06</b>
Needle electrode mono 5 Fr WL 420 mm	5 Fr	420 mm	<b>824.05</b>

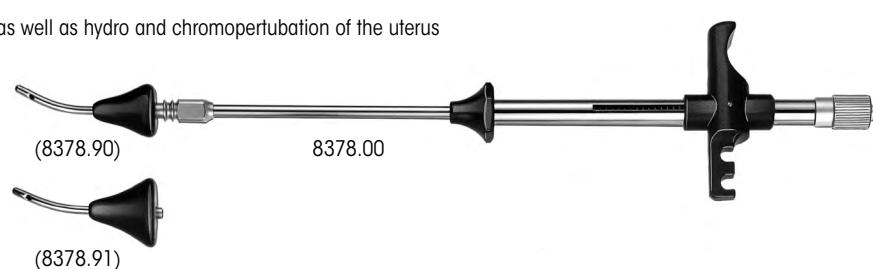
HF connection cable: see page GYN162/163

## FOR PORTIO AND UTERUS



	WL	TL	Product no.
<b>Uterus grasping forceps WL 92 mm, by Pozzi with distally overlapping tips</b>	92 mm	254 mm	<b>8370.25</b>
<b>Uterus grasping forceps WL 100 mm, by Gimpelson with four spherical teeth</b>	100 mm	242 mm	<b>8371.10</b>
<b>Uterus grasping forceps Ø 6.5 mm WL 100 mm, by Saiges</b>	100 mm	262 mm	<b>8370.00</b>

for fixation, elevation, as well as hydro and chromoperturbation of the uterus



	WL	TL	Product no.
<b>Intrauterine probes bndl consisting of: Intrauterine probe Ø 32 mm WL 32 mm, by Cohen (8378.00), conical portio adapter size small (8378.90), conical portio adapter size large (8378.91), tube with Luer-Lock connector (886.00)</b>	32 mm	330 mm	<b>8378001*</b>

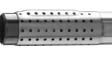
\*also: Uterus grasping forceps WL 92 mm, by Pozzi (8370.25)

# PRINCESS

## PETIT RESECTOSCOPE INCLUDING E-LINE & S(A)LINE SYSTEM



**AUTOCLAVE**  
**134° C / 273° F**

Size, Color coding	distal end	Outersheath for resecto- scope 21 Fr	Inner sheath for resecto- scope 19 Fr	Passive, mono/bipo working element with open handle		Telescope 12° Ø 2.7 mm SL 310 mm	Obturators	
				passive cutting	active cutting		Viewing obturator for resecto- scope 19 Fr	Obturator for resecto- scope 19 Fr
Sheaths								
7 mm 21 Fr black		<b>8653.021</b>	<b>8653.018</b>	<b>8653.224</b>	<b>8653204</b>	<b>8974.412</b>	<b>865319</b>	<b>8653.18</b>
also:								
Electrodes: see page GYN142 								

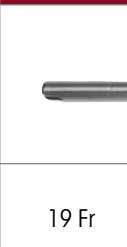
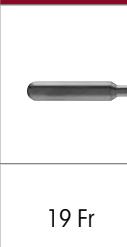
Recommended accessories	Product no.
Working insert for resectoscope for auxiliary instruments up to 7 Fr	<b>8653284</b>
HF monopolar connection cable	see page GYN162/163
Container (W x H x D) 400 X 60 X 200 mm	Internal dimensions (W x H x D): 400 x 57 x 200 mm External dimensions (W x H x D): 466 x 77 x 266 mm
Fiber light cable bndl consisting of: Fiber light cable (80662523), projector-side adapter (809.507), and endoscope-side adapter (809509)	Ø 2.5 mm, 2.3 m long
	<b>33022</b>
	<b>806625231</b>

# PRINCESS

## PETIT RESECTOSCOPE INCLUDING E-LINE & S(A)LINE SYSTEM, ROTATABLE



**AUTOCLAVE  
134° C / 273° F**

Size, Color coding	distal end	Outersheath for resectoscope	Inner sheath for resectoscope	Working element with open handle		Telescope 12° Ø 2.7 mm SL 310 mm	Obturators	
				passive cutting	active cutting		Viewing obturator for resectoscope	Obturator for resectoscope
Sheaths								
7 mm 21 Fr black		21 Fr <b>8653022</b>	19 Fr <b>8653019</b>	<b>8653.224</b>	<b>8653204</b>	<b>8974.412</b>	19 Fr <b>865319</b>	19 Fr <b>8653.18</b>
8 mm 24.5 Fr green		24.5 Fr <b>8655.334</b>	22 Fr <b>8655.344</b>					22 Fr <b>8654.16</b>
also:								
Electrodes: see page GYN142 								

Recommended accessories	Product no.
Working insert for resectoscope for auxiliary instruments up to 7 Fr	 <b>8653284</b>
HF monopolar connection cable	see page <b>GYN162/163</b>
Container (W x H x D) 400 X 60 X 200 mm	Internal dimensions (W x H x D): 400 x 57 x 200 mm External dimensions (W x H x D): 466 x 77 x 266 mm <b>33022</b>
Fiber light cable bndl consisting of: Fiber light cable (80662523), projector-side adapter (809.507), and endoscope-side adapter (809509)	Ø 2.5 mm, 2.3 m long <b>806625231</b>

## ELECTRODES

FOR PRINCESS RESECTOSCOPE,  
TELESCOPE 2.7 MM, 12°

### 12°, for multiple use, monopolar/bipolar

	Designation	Bracket	for sheath sizes [in Fr]		Color coding		Product no.
			CI 21	CI 24.5	Fork	Stem	
	Cutting electrode mono 21 Fr	Loop round Ø 0.3 mm	•	–	red	blue	8653.131
	Cutting electrode mono 24.5 Fr	Loop round Ø 0.3 mm	–	•	blue	blue	8653.132
	Roller electrode mono 21/24.5 Fr	Roll	•	•	red	blue	8653.02
	Hook electrode mono/bipo 21/24.5 Fr	Hook	•	•	red	blue	865303

• suitable for corresponding sheath size

– not suitable

 = continuous irrigation

### 12°, disposable, sterile\* bipolar

(PACK = 3 PCS)	Designation	Bracket	for sheath sizes [in Fr]		Color coding		Product no.
			CI 21	CI 24.5	Fork	Stem	
	Cutting electrode bipo 21 Fr	Loop round Ø 0.3 mm	•	–	transparent	blue	46531313
	Cutting electrode bipo 24.5 Fr	Loop round Ø 0.3 mm	–	•	transparent	blue	4653.1323
	Roller electrode bipo 21/24.5 Fr	Roll	•	•	transparent	blue	4653.023
	BIVAP electrode bipo 21 Fr	Torus	•	–	blue	blue	46530213
	BIVAP electrode bipo 24.5 Fr	Torus	–	•	blue	blue	46530243
	Hook electrode 21/24.5 Fr	Hook	•	•	blue	blue	4653033

• suitable for corresponding sheath size

– not suitable

\* in individual sterile packaging

 = continuous irrigation

Recommended accessories	Product no.
Protective sterilization sleeve for connection to max. 5 electrodes, reusable	 33030

## RESECTION MASTER WITH AUTOMATIC CHIP SUCTION



**AUTOCLAVE**  
**134° C / 273° F**

Size, Color coding	distal end	Outersheath for resectoscope 27 Fr	Working element passive mono/bipo	Telescope 30° Ø 3.3 mm SL 299 mm	Obturator for resectoscope
			passive cutting		
Sheath					
<b>9 mm 27 Fr black</b>		<b>8659.071</b>	<b>8659.2351</b>	<b>8656.422</b>	<b>8659.175</b>

Recommended accessories	Product no.
<b>Tube set RESECTION PUMP 2228 disposable</b>	<b>4170.2228</b>
<b>HF monopolar connection cable</b>	<b>see page GYN162/163</b>
<b>Container (W x H x D) 400 X 60 X 200 mm</b>	<b>33022</b>
<b>Fiber light cable bndl consisting of: Fiber light cable (80662523), projector-side adapter (809.507), and endoscope-side adapter (809509)</b>	<b>Ø 2.5 mm, 2.3 m long</b> <b>806625231</b>

## ELECTRODES

### FOR RESECTION MASTER WITH AUTOMATIC CHIP SUCTION

#### 30°, for multiple use, monopolar/bipolar

	Designation	Bracket	for sheath sizes [in Fr]		Color coding		Product no.
			CI	27	Fork	Stem	
	Cutting electrode mono 27 Fr	Loop round Ø 0.25 mm		•	red	red	8659.161
	Vapo electrode mono 27 Fr	Loop cylindrical		•	blue	blue	8659.162
	Hook electrode mono/bipo 27 Fr	Hook		•	red	red	8659163

CI = continuous irrigation

#### 30°, disposable, sterile\*, bipolar

(PACK = 3 PCS)	Designation	Bracket	for sheath sizes [in Fr]		Color coding		Product no.
			CI	27	Fork	Stem	
	Cutting electrode bipo 27 Fr	Loop round Ø 0.25 mm		•	blue	blue	4659.1613
	Roller electrode bipo 27 Fr	Loop Roll Ø 0.3 mm		•	blue	blue	4659.1623

\* in individual sterile packaging

CI = continuous irrigation

#### Recommended accessories

Recommended accessories	Product no.
Protective sterilization sleeve for connection to max. 5 electrodes, reusable	33030

## RESECTION PUMP 2228

MICROPROCESSOR-CONTROLLED HIGH-PERFORMANCE CHIP SUCTION PUMP  
WITH CLEAR LCD DISPLAY

		Product no.
RESECTION PUMP 2228 Suction pump		<b>2228.001</b>
<b>also:</b>		
<b>Tube set RESECTION PUMP 2228</b> (PACK = 10 PCS.) packed singly, sterile	consisting of: Control tube with filter, irrigation tube with non-return valve, chip aspiration tube with non-return valve and pump tube	<b>4170.2228</b>
<b>Bottle holder cpl.</b>		<b>64030.125</b>
<b>Bottle mount</b>		<b>64031.381</b>
<b>Overflow protection / bacteria filter</b> for single use (PACK = 10 PCS)		<b>2228.901</b>
<b>Chip collecting container</b> 250 ml for tissue chips		<b>2228.801</b>
<b>Tube insert</b> for collecting container 250 ml		<b>2228.802</b>
<b>Secretion container, 2 l</b>	2 liters, without cover	<b>8170.6551</b>
<b>Cover</b>	for secretion trap 8170.6551, reusable	<b>8170.6552</b>
<b>Sound absorber (PACK = 3 PCS)</b>		<b>35100.115</b>
<b>Connection tube recto pump</b>		<b>8170.6554</b>
<b>Power cable</b>	cable length 3 m	<b>2440.03</b>

## TECHNICAL DATA

## RESECTION PUMP 2228

RESECTION PUMP 2228		2228.001
<b>Device properties</b>		
Operating conditions	+10°C to +40°C, 30% to 75% rel. humidity, atmospheric pressure 800 hPa to 1,060 hPa	
Storage and transport conditions	- 20°C to +60°C, 10% to 90% rel. humidity, atmospheric pressure 700 hPa to 1,060 hPa	
<b>Power supply</b>		
Mains + frequency	100–240 V~, 50/60 Hz	
Power consumption	120 VA	
Current rating	1.2–0.5	
Fuse	T 1.6 AL 250 V	
<b>Regulatory standards</b>		
Protection class to EN/IEC 60601-1 (UL 2601-1/CSA C22.2 No.601.1 – for USA)	I	
Electromagnetic compatibility (EMC)	EN/IEC 60601-1-2	
Medical Devices Directive 93/42/EEC	Class II a	
Degree of protection against the ingress of liquids	IP 20 (not protected)	
Noise level	55 dB (A) (pump "ON" with container)	
Operating mode	Continuous operation	
Protection against electric shock	Type BF applied part	
Degree of protection in the presence of flammable mixtures	Device is not protected against explosions (do not operate this device in explosive atmospheres)	
<b>Dimensions and weights</b>		
Weight, bndl with accessories	8.9 kg (19.6 lbs)	
Dimensions (W x H x D)	340 mm x 105 mm x 420 mm	
Space requirements with bottle holder (W x H x D)	470 mm x 410 mm x 430 mm	
<b>Relevant application parameters</b>		
Vacuum Operation vacuum Maximum vacuum	650 to 750 mbar +/- 50 mbar 750 mbar +/- 50 mbar	
Suction pulse Level 1 (low) Level 2 (medium) Level 3 (high)	3.8 ml +/- 0.5 ml 6.2 ml +/- 0.7 ml 9.2 ml +/- 1.0 ml	

**Shark® BIPOLAR RESECTOSCOPE**

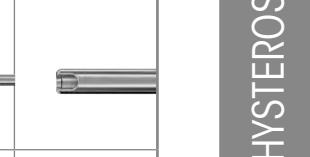
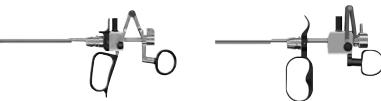
FOR TELESCOPE 4 MM, 30°, 12

WITH CONTINUOUS IRRIGATION DOUBLE SHEATH SYSTEM FOR RESECTION IN SALINE SOLUTION

Working element, inner sheath, and telescope rotate in outer sheath



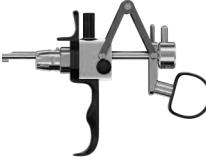
**AUTOCLAVE**  
**134° C / 273° F**

Size, Color coding	distal end	Outersheath for resectoscope 24 Fr	Inner sheath for resectoscope 22 Fr	Telescope 30° Ø 4 mm WL 300 mm	Telescope 12° Ø 4 mm WL 297 mm	Obturators	
						Obturator for resectoscope 22 Fr	Viewing obturator for resecto- scope 22 Fr
Sheaths							
22/24 Fr green		<b>8675424</b>	<b>8675322</b>	<b>8654.422</b>	<b>8654.431</b>	<b>8673022</b>	<b>8673122</b>
also:							
<b>Working elements:</b> see page GYN148 							
<b>Electrodes:</b> see page GYN149 							

Recommended accessories	Product no.	
HF bipolar connection cable	see page GYN164/165	
Perforated basket for standard telescope 2	Internal dimensions (W x H x D): 454 x 52 x 40 mm External dimensions (W x H x D): 481 x 54 x 59 mm	<b>38016</b>
Fiber light cable bndl consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 2.5 mm, 2.3 m long	<b>806625231</b>

## WORKING ELEMENTS

FOR  BIPOLAR RESECTOSCOPES  
TELESCOPE 4 MM, 30°, 12°

		Handle variants	cutting	Product no.
Active working element bipo 0/12/30°  Cut is made against spring pressure		open	active	8680.204
Active working element bipo 0/12/30°  Cut is made against spring pressure		closed		8680.205
Passive working element bipo 0/12/30°  Cut is made with spring pressure		open	passive	8680.224
Passive working element bipo 0/12/30°  Cut is made with spring pressure		closed		8680.225

Recommended accessories	Product no.
Rubber cap, black (PACK = 5 PCS)	8880
Thumb ring with relatively large inner diameter	15008.159

## ELECTRODES

FOR  BIPOLAR RESECTOSCOPES  
TELESCOPE 4 MM, 30°, 12°

### 12°/30°, for multiple use, bipolar

	Designation	Bracket	for sheath sizes [in Fr]		Color coding		Model
			Cl	22/24	Fork	Stem	
	Cutting electrode bipo 22 Fr 12/30°	Loop round Ø 0.3 mm		•	blue	yellow	8622133
	Coag. electrode bipo 22-26 Fr 12/30°	Cylinder Ø 1.2 mm		•	blue	yellow	8623022
	Hook electrode bipo 22-26 Fr 12/30°	Hook		•	blue	yellow	862309

- suitable for corresponding sheath size

Cl = continuous irrigation

### 12°/30°, disposable, sterile\*, bipolar

(PACK = 3 PCS)	Designation	Bracket	for sheath sizes [in Fr]		Color coding		Model
			Cl	22/24	Fork	Stem	
	Cutting electrode mono 22 Fr 12/30°	Loop round Ø 0.25 mm		•	blue	blue	4622.2533
	Cutting electrode bipo 22 Fr 12/30°	Loop round Ø 0.3 mm		•	blue	blue	4622.1333
	Coag. electrode bipo 22 Fr 12/30°	Cylinder Ø 1.2 mm		•	blue	blue	4623.0243
	BIVAP electrode bipo 22 Fr 12/30°	Torus		•	blue	blue	46300223

- suitable for corresponding sheath size

\* in individual sterile packaging

Cl = continuous irrigation

#### Recommended accessories

#### Product no.

##### Protective sterilization sleeve

for connection to max. 5 electrodes, reusable



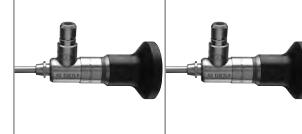
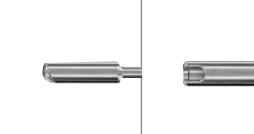
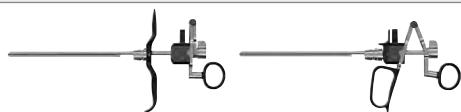
33030

# Shark MONOPOLAR RESECTOSCOPE FOR TELESCOPE 4 MM, 30°, 12° WITH CONTINUOUS IRRIGATION DOUBLE SHEATH SYSTEM

Working element, inner sheath, and telescope rotate in outer sheath



**AUTOCLAVE**  
**134° C / 273° F**

Size, Color coding	distal end	Outersheath for resectoscope 24 Fr	Inner sheath for resectoscope 22 Fr	Telescope 30° Ø 4 mm WL 300 mm	Telescope 12° Ø 4 mm WL 297 mm	Obturators	
						Obturator for resectoscope 22 Fr	Viewing obturator for resecto- scope 22 Fr
Sheaths							
22/24 Fr green		<b>8675424</b>	<b>8675322</b>	<b>8654.422</b>	<b>8654.431</b>	<b>8673022</b>	<b>8673122</b>
also:							
<b>Working elements:</b> see page GYN151 							
<b>Electrodes:</b> see page GYN152/153 							

Recommended accessories	Product no.
HF monopolar connection cable	see page <b>GYN162/163</b>
Perforated basket for standard telescope 2	Internal dimensions (W x H x D): 454 x 52 x 40 mm External dimensions (W x H x D): 481 x 54 x 59 mm
Fiber light cable bndl consisting of: Fiber light cable (80662523), projector-side adapter (809.507), and endoscope-side adapter (809509)	Ø 2.5 mm, 2.3 m long
	<b>38016</b>
	<b>806625231</b>

## WORKING ELEMENTS

FOR  MONOPOLAR RESECTOSCOPES  
TELESCOPE 4 MM, 30°, 12°

		Handle variants	cutting	Product no.
<b>Active working element</b> mono 12/30°		closed		<b>8674205</b>
Cut is made against spring pressure			active	
<b>Active working element</b> mono 12/30°		closed with comfort thumb rest		<b>8674234</b>
Cut is made against spring pressure				
<b>Passive working element</b> mono 12/30°		open		<b>8674224</b>
Cut is made with spring pressure			passive	
<b>Passive working element</b> mono 12/30°		closed		<b>8674225</b>
Cut is made with spring pressure				

Recommended accessories		Product no.
<b>Rubber cap, red</b> (PACK = 5 PCS)	for sealing off the electrode clamping mechanism on the working element	<b>8874</b>
<b>Thumb ring</b> with relatively large inner diameter		<b>15008.159</b>

## ELECTRODES

 FOR  MONOPOLAR RESECTOSCOPES  
 TELESCOPE 4 MM, 30°, 12°

## 12°/30°, for multiple use, monopolar

	Designation	Bracket	for sheath sizes [in Fr] Cl 22/24	Color coding		Model
				Fork	Stem	
	Cutting electrode mono 22 Fr 12/30°	Loop round Ø 0.35 mm	•	green	dark gray	86782235
	Coag. electrode mono 22-24 Fr 12/30°	Roll	•	green	dark gray	86782201
	Coag. electrode mono 22-24 Fr 12/30°	Sphere	•	green	dark gray	86782202
	Coag. electrode mono 22-24 Fr 12/30°	Button	•	green	dark gray	86782203
	Knife electrode mono 22-24 Fr 12/30°	Knife	•	green	dark gray	86782204
	Hook electrode mono 22-24 Fr 12/30°	Hook	•	green	dark gray	86782205
	Wing electrode mono 22 Fr 12/30°	Wing (bracket profile, flat)	•	green	dark gray	86782206

• suitable for corresponding sheath size

Cl = continuous irrigation

Recommended accessories	Product no.
Protective sterilization sleeve for connection to max. 5 electrodes, reusable	 33030

## DISPOSABLE ELECTRODES

FOR  MONOPOLAR RESECTOSCOPES  
TELESCOPE 4 MM, 30°, 12°

12°/30° disposable, sterile*, monopolar						
	Designation	Bracket	for sheath sizes [in Fr]  22/24	Color coding		Model
				Fork	Stem	
	Cutting electrode mono 22 Fr 12/30° (PACK = 10 PCS)	Loop round Ø 0.35 mm	•	green	transparent	46782235
	Cutting electrode mono 22 Fr 12/30° (PACK = 10 PCS)	Loop round Ø 0.25 mm	•	green	transparent	46782225
	Coag electrode mono 22-24 Fr 12/30° (PACK = 5 PCS)	Roll	•	green	transparent	46782201
	Coag electrode mono 22-24 Fr 12/30° (PACK = 5 PCS)	Sphere	•	green	transparent	46782202
	Coag electrode mono 22-24 Fr 12/30° (PACK = 5 PCS)	Button	•	green	transparent	46782203
	Knife electrode mono 22-24 Fr 12/30° (PACK = 5 PCS)	Knife	•	green	transparent	46782204
	Hook electrode mono 24 Fr 12/30° (PACK = 5 PCS)	Hook	•	green	transparent	46782205

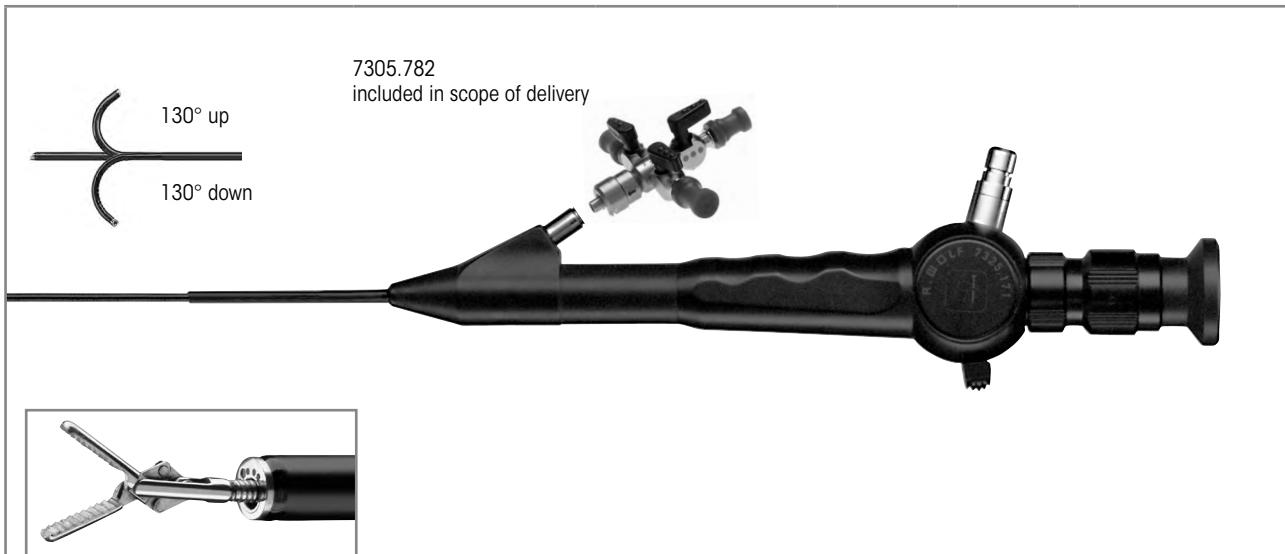
• suitable for corresponding sheath size

\* in individual sterile packaging

 = continuous irrigation

## FLEXIBLE FIBER HYSTEROSCOPE

2.5 MM/7.5 FR



	Outer Ø	Working channel	WL	TL	Product no.
<b>Fiber Hysteroscope Ø 2.5 mm WL 200 mm</b> Slanted distal tip articulation +130/-130° direction of view 0°, angle of view 60°	2.5 mm 7.5 Fr	1.2 mm 3.6 Fr	200 mm	450 mm	<b>7325.122</b>
on request					
	<b>Flex. grasping forceps Ø 1 mm WL 600 mm,</b> ripped		600 mm	736 mm	<b>7223.65</b>

Recommended accessories	Product no.
<b>Sterilization basket for flexible endoscopes</b>	<b>33016</b>
<b>Fiber light cable bndl</b> consisting of: Fiber light cable Ø 1.6 mm TL 1.8 m (80661618), projector-side adapter (809.507), and endoscope-side adapter (809509)	<b>806616181</b>

## FLUID CONTROL 2225

### SUCTION IRRIGATION PUMP

		
		Product no.
FLUID CONTROL 2225 <b>Irrigation pump for HYS/URO/LAP</b>	Fluid management for flushing irrigation fluids into the uterus, as well as the upper and lower urinary tract, and for suction and irrigation in the abdomen	<b>2225001</b>
FLUID CONTROL 2225 <b>Irrigation pump for HYS/URO/LAP bndl</b>	consisting of: Irrigation pump for HYS/URO/LAP (2225001) Power cable (2440.03)	<b>22250011</b>
<b>also:</b>		
<b>Balancing module</b>	for hysteroscopy and endourology, fluid management for fluid balancing in combination with FLUID CONTROL 2225, mobile stand with integrated weighing cells and space for up to 4 irrigation fluid bags	<b>2225023</b>

# FLUID CONTROL 2225

## SUCTION IRRIGATION TUBE SETS

Irrigation			Product no.
<b>Accessories – reusable</b>	<b>Tube set with piercing spike</b>	with Luer-Lock connection, autoclavable, incl. 10 spare membranes, reusable for 20 reprocessing cycles	<b>8171223</b>
<b>Accessories – disposable</b>	<b>Irrigation tube set with piercing spike, L 3 m</b>	(PACK= 10 PCS), with Luer-Lock connection, sterile, disposable product	<b>4171223</b>
	<b>Tube set with CARE-LOCK, L 3 m</b>	(PACK= 10 PCS), sterile, disposable product	<b>4171224</b>
	<b>Suction irrigation tube set</b>	(PACK= 10 PCS), with piercing spike, sterile disposable product, PVC	<b>4171225</b>

Suction			Product no.
<b>Accessories – reusable</b>	<b>Tube set for vacuum, incl. filter</b>	with integrated hygiene filter, PACK= 10 PCS, service life: 30 days (connected to irrigation pump)	<b>2206207</b>
	<b>Irrigation tube</b>	L 1.2 m, with Luer-Lock, for suction irrigation handle 8385.901 and tube set 8171223 or 8170.223	<b>817123</b>
	<b>Suction tube L 3 m</b>	for suction irrigation handle 8385.901	<b>8171402</b>
	<b>Secretion container, 2 l</b>	2 liters, without cover	<b>8170.6551</b>
	<b>Cover</b>	for secretion trap 8170.6551, reusable	<b>8170.6552</b>
<b>Accessories – disposable</b>	<b>Secretion container, 2.5 l</b>	2.5 liters	<b>41706566</b>
	<b>Secretion container bndl</b> consisting of:	Secretion container 2.5 l (41706566) and secretion bag (PACK= 90 PCS) (41706564)	<b>4170657</b>
	<b>Tube set for suction (2 connections)</b>	sterile, disposable product, (PACK= 10 PCS) for connecting instruments to collecting container	<b>T0503-01</b>
	<b>Angled 90° plug-in coupling</b>	(PACK= 10 PCS) For connecting vacuum tube 2206207 to disposable container systems	<b>0771019</b>

## FLUID CONTROL 2225

### CABLE ACCESSORIES

		Product no.
<b>Patch cable, RJ45 SFTP, 0.5 m</b>	Cable length 0.5 m	<b>72325378</b>
<b>Patch cable, RJ45 HRS TM11, 1.0 m</b>	Cable length 1.0 m	<b>72325429</b>
<b>Patch cable, RJ45 S/FTP CAT.6 10 m</b>	Cable length 10 m	<b>72325434</b>
<b>Plastic caps for network socket</b>	(PACK = 8 PCS)	<b>5592105</b>
<b>Power cable</b>	Cable length 3 m	<b>2440.03</b>

# TECHNICAL DATA

## FLUID CONTROL 2225

### FLUID CONTROL 2225

### 2225001

Device properties	
Operating conditions	+10°C to +40°C, 30% to 75% rel. humidity, 70 to 106 kPa atmospheric pressure 3,000 m max. altitude above sea level
Storage and transport conditions	- 20°C to + 60°C, 10% to 90% rel. humidity 70 to 106 kPa atmospheric pressure
Power supply	
Mains + frequency	100–240 V~, 50/60 Hz
Power consumption	100 V/60 Hz
	120 VA
Current rating	100 V/60 Hz
	0.50 A
Fuse	T 3.15 AH, 250 V
Regulatory standards	
Protection class (I, II)	I
Electromagnetic compatibility (EMC)	EN 60601-1/IEC 60601-1 EN 60601-1-2/IEC 60601-1-2
Medical Devices Directive 93/42/EEC	Class IIb
Housing protection rating (IP code)	IP21
Protection against electric shock	Type BF applied part
Degree of protection in the presence of flammable mixtures	Device is not protected against explosions (do not operate this device in explosive atmospheres)
Maximum suction vacuum	-60 kPa
Dimensions and weights	
Weight	8.8 kg
Dimensions (W x H x D)	300 mm x 157 mm x 436 mm

Relevant application parameters	
Nominal flow range	Hysteroscopy: 800 ml/min (max. flow, not adjustable) Endourology: 10–800 ml/min (max. flow) Laparoscopy: 0.1–1.8 l/min (max. flow)
Suction power	max. 2 l/min
Starting nominal pressure range	Hysteroscopy: 15–200 mmHg Endourology: 15–90 mmHg/20–120 cmH <sub>2</sub> O Laparoscopy: 300 mmHg (not adjustable)
Pressure	0–300 mmHg
Deficit	-9,990 to +9,990 ml/0 to 99.9 l

## TECHNICAL DATA

### FLUID CONTROL 2225

<b>Balancing module</b>	<b>2225023</b>
<b>Device properties</b>	
Operating conditions	+10°C to +40°C, 30% to 75% rel. humidity, 70 to 106 kPa atmospheric pressure 3,000 m max. altitude above sea level
Storage and transport conditions	- 20°C to + 60°C, 10% to 90% rel. humidity 70 to 106 kPa atmospheric pressure
<b>Regulatory standards</b>	
Electromagnetic compatibility (EMC)	EN 60601-1/IEC 60601-1 EN 60601-1-2/IEC 60601-1-2
Housing protection rating (IP code)	IP21
Maximum load of container scale	16 kg/4 containers of 3 l each
Maximum load of bag scale	23 kg/4 bags of 5 l each
<b>Dimensions and weights</b>	
Weight	15.4 kg
Dimensions (W x H x D)	618 mm x 1,064 mm x 618 mm

## HF GENERATOR 2260



The HF GENERATOR 2260 is a high-frequency surgical generator. It features a digital display showing '3' and '150' with the text 'Resection Bipolar - TUR-Bladder'. Below the display are buttons for 'Mode' and 'Menü'. On the left side, there are two circular controls labeled 'M' and 'B' with associated icons. The front panel is labeled 'core' and 'HF-GENERATOR 2260'. A small 'core' logo is also present on the right side of the front panel.

	Product no.
HF surgical generator 400 kHz	2260001 for the connection of monopolar and bipolar accessories, international version (BOWA, KLS Martin, Olympus, Karl Storz, Valleylab)
HF surgical generator 400 kHz	2260002 for the connection of monopolar and bipolar accessories, E version (Erbe)

Accessories required	Cable length	Product no.
Footswitch, 2 pedals L 5 m with fixed connection cable, reusable		2260021
Neutral electrode for use with high-frequency surgical device, Foil bag with 5 neutral electrodes, (PACK= 50 PCS)		1280H
Mono HF neutral electrode cable, L 4.5 m	4.5 m	2260031
Power cable	3.0 m	2440.03
Bipo HF connection cable L 3 m	3.0 m	8108233
Bipo HF connection cable L 5 m	5.0 m	8108253

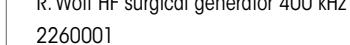
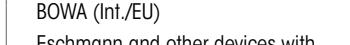
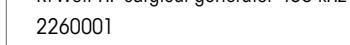
# HF GENERATOR 2260

## TECHNICAL DATA

HF surgical generator 400kHz		2260001/2260002
<b>Device properties</b>		
Type of controls on housing front	Touch panel	
Output power	max.cutting power	400 W
	max.coagulation power	350 W
LF and HF leakage currents	acc. to DIN EN 60601 1 and DIN EN 60601 2 2	
Signal level	HF indicator 55 dB(A); adjustable 45–60 dB(A) Alarm 65 dB(A)	
Operating conditions	+10°C to +40°C, 30% to 75% rel humidity, 700 hPa to 1,060 hPa atmospheric pressure	
Storage and transport conditions	- 20°C to + 60°C, 10% to 90% rel humidity, 700 hPa to 1,060 hPa atmospheric pressure	
<b>Power supply</b>		
Mains + frequency	100–240 V~, 50/60 Hz	
Power consumption	without HF output	45 VA
	at max. output power	650 VA
Current rating	max. 6.3 A	
Fuse	T 6.3 AH 250 V	
<b>Regulatory standards</b>		
Protection class to EN/IEC 60601-1 (UL 2601-1/CSA C222 No6011 – for USA)	I	
Electromagnetic compatibility (EMC)	EN/IEC 60601-1-2	
Medical Devices Directive 93/42/EEC	Class IIb	
Degree of protection against the ingress of liquids (DIN EN/IEC 60529)	IPX0	
Degree of protection against the ingress of solids	IP2X	
Duty factor (duty cycle DC)	Intermittent INT 10 s/30 s corresponding to 25% DC	
Protection against electric shock	Model CF applied part, defibrillator-proof	
Degree of protection in the presence of flammable mixtures	Device is not protected against explosions (do not operate this device in explosive atmospheres)	
<b>Dimensions and weights</b>		
Weight	10.2 kg (22.4 lbs)	
Dimensions (W x H x D)	300 x 159 x 419 mm	

# HF CONNECTION CABLE MONO

## 815XXX

Instrument connector	Device connector	Product no.
<b>WOLF Resectoscopes</b>  	  ERBE (ACC/ICC/VIO)/BOWA (EU) R. Wolf HF surgical generator 400 kHz 2260002	HF connection cable mono L 3 m  <b>815.032</b>
	  ERBE (T series)	HF connection cable mono L 5 m  <b>815.052</b>
	  Martin (M-version)/Berchtold/ Aesculap	HF connection cable mono L 3 m  <b>815.132</b>
<b>HF electrodes, monopolar</b>  	  Bovie/Valleylab/Erbe (Int.)/ BOWA (Int.) R. Wolf HF surgical generator 400 kHz 2260001	HF connection cable mono L 5 m  <b>815.152</b>
	  BOWA (Int./EU) Eschmann and other devices with 4 mm plugs R. Wolf HF surgical generator 400 kHz 2260001	HF connection cable mono L 3 m  <b>815.031</b>
	  BOWA (Int./EU) Eschmann and other devices with 4 mm plugs R. Wolf HF surgical generator 400 kHz 2260001	HF connection cable mono L 5 m  <b>815.051</b>
	  BOWA (Int./EU) Eschmann and other devices with 4 mm plugs R. Wolf HF surgical generator 400 kHz 2260001	HF connection cable mono L 3 m  <b>815.033</b>
	  BOWA (Int./EU) Eschmann and other devices with 4 mm plugs R. Wolf HF surgical generator 400 kHz 2260001	HF connection cable mono L 5 m  <b>815.053</b>
	  BOWA (Int./EU) Eschmann and other devices with 4 mm plugs R. Wolf HF surgical generator 400 kHz 2260001	HF connection cable mono L 3 m  <b>815.034</b>
	  BOWA (Int./EU) Eschmann and other devices with 4 mm plugs R. Wolf HF surgical generator 400 kHz 2260001	HF connection cable mono L 5 m  <b>815.054</b>

## HF CONNECTION CABLE MONO 8106XXX

Instrument connector	Device connector	Product no.
<b>WOLF</b> Instruments/surgical generator		<b>HF connection cable mono L 3 m</b> <b>8106.032</b>
	ERBE (ACC/ICC/VIO)/BOWA (EU) R. Wolf HF surgical generator 400 kHz 2260002	<b>HF connection cable mono L 5 m</b> <b>8106.052</b>
		<b>HF connection cable mono L 3 m</b> <b>8106.132</b>
	ERBE (T series)	<b>HF connection cable mono L 5 m</b> <b>8106.152</b>
<b>HF electrodes, monopolar</b>		<b>HF connection cable mono L 3 m</b> <b>8106.031</b>
	Martin (M-version)/Berchtold/ Aesculap	<b>HF connection cable mono L 5 m</b> <b>8106.051</b>
		<b>HF connection cable mono L 3 m</b> <b>8106.033</b>
	Bovie/Valleylab/Erbe (Int.)/ BOWA (Int.) R. Wolf HF surgical generator 400 kHz 2260001	<b>HF connection cable mono L 5 m</b> <b>8106.053</b>
		<b>HF connection cable mono L 3 m</b> <b>8106.034</b>
	BOWA (Int./EU) Eschmann and other devices with 4 mm plugs R. Wolf HF surgical generator 400 kHz 2260001/2260002	<b>HF connection cable mono L 5 m</b> <b>8106.054</b>

# BIPO HF CONNECTION CABLE

## 8108xxx

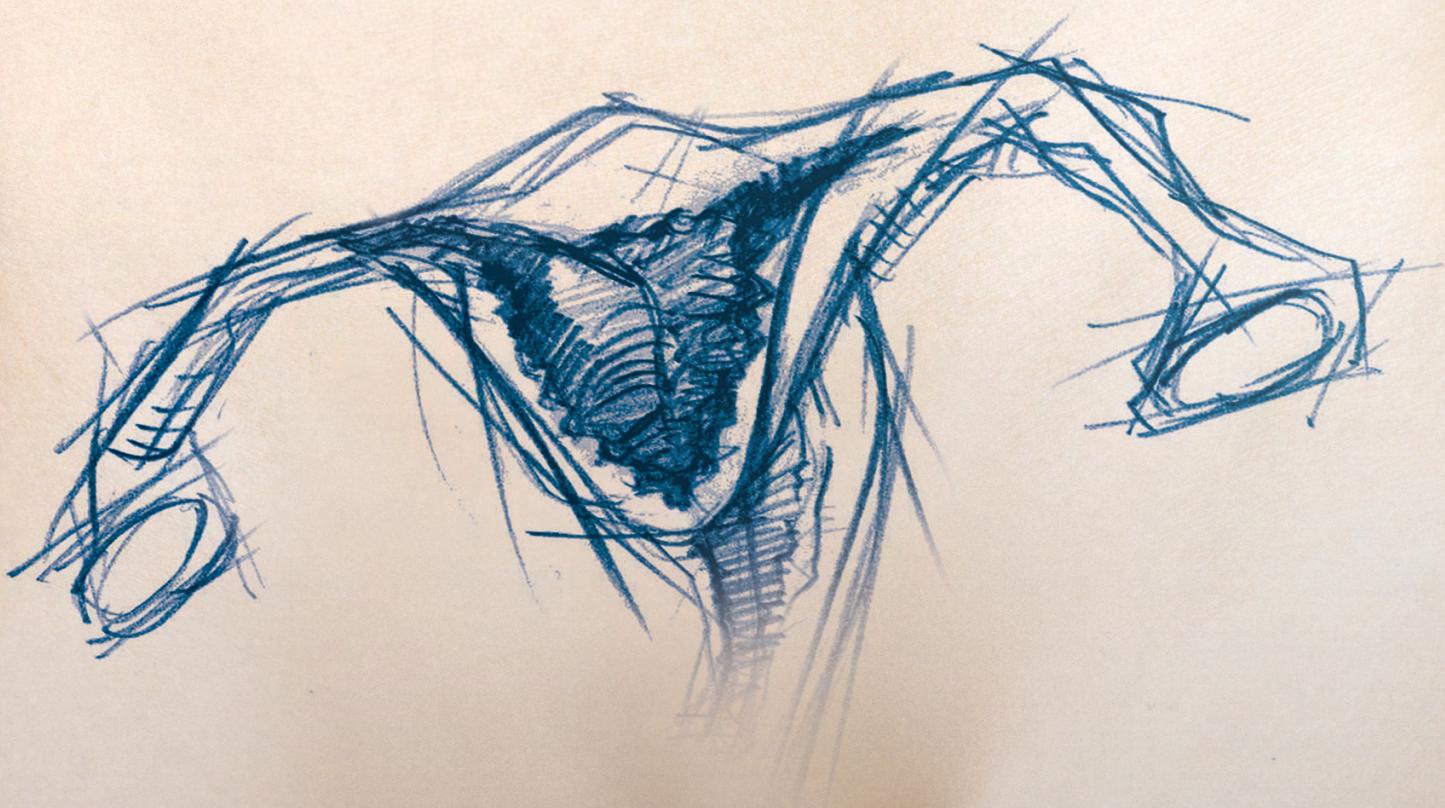
Instrument connector	Device connector		Product no.
WOLF Bipolar forceps		HF connection cable bipo; L 3 m	8108.032
	ERBE (ACC/ICC/T)/BOWA (EU) R. Wolf HF surgical generator 400 kHz 2260001/2260002	HF connection cable bipo; L 5 m	8108.052
		HF connection cable bipo; L 3 m	8108.033
	International / 2-pin Valleylab R. Wolf HF surgical generator 400 kHz 2260001/2260002	HF connection cable bipo; L 5 m	8108.053
		HF connection cable bipo; L 3 m	8108.031
	WOLF/Martin (M-version)/ Berchtold/Aesculap	HF connection cable bipo; L 5 m	8108.051
		HF connection cable bipo; L 3 m	8108035
	EMC Dolly		
Bipolar tweezers connection		HF connection cable bipo; L 3 m	8108.132
	ERBE (ACC/ICC/T)/BOWA (EU) R. Wolf HF surgical generator 400 kHz 2260001/2260002	HF connection cable bipo; L 5 m	8108.152
		HF connection cable bipo; L 3 m	8108.133
	International / 2-pin Valleylab R. Wolf HF surgical generator 400 kHz 2260001/2260002	HF connection cable bipo; L 5 m	8108.153
		HF connection cable bipo; L 3 m	8108.131
	Martin (M-version)/Berchtold/ Aesculap	HF connection cable bipo; L 5 m	8108.151
		HF connection cable bipo; L 3 m	8108135
	EMC Dolly		

## HF CONNECTION CABLE BIPO FOR RESECTION IN SALINE SOLUTION

Instrument connector	Device connector	Product no.
<b>WOLF</b> <b>Bipolar resectoscopes</b> 	 Erbe VIO 300D	<b>Bipolar cable; TUR/TCR; WOLF</b> MF plug; L 4 m <b>20196-119</b>
	 Erbe VIO 3	<b>BIPOLAR CABLE; MF-U</b> MF plug; L 4.5 m <b>21196-119</b>
	 KLS Martin	<b>HF connection cable bipo; L 3 m</b> <b>8108.231</b>
	 KLS Martin	<b>HF connection cable bipo; L 5 m</b> <b>8108.251</b>
	 R. Wolf HF surgical generator 400 kHz 2260001/2260002	<b>HF connection cable bipo; L 3 m</b> <b>8108233</b>
		<b>HF connection cable bipo; L 5 m</b> <b>8108253</b>

## MONO HF NEUTRAL ELECTRODE CABLE

Instrument connector	Device connector	Product no.
<b>2-pole neutral electrode</b> 	 R. Wolf HF surgical generator 400 kHz 2260001/2260002	<b>Mono HF neutral electrode cable, L 4.5 m</b> <b>2260031</b>



## INTERDISCIPLINARY APPLICATIONS

CYSTO-URETHROSCOPY

## INTERDISCIPLINARY APPLICATIONS

1

2

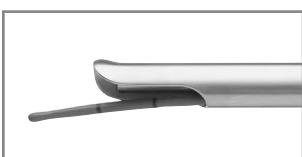
**CYSTO-URETHROSCOPE 8650 FOR TELESCOPE 4 MM, 0°, 5°, 30°, 70° (TVT)**

**ATRAUMATIC COMPACT CYSTO-URETHROSCOPE**

## CYSTO-URETHROSCOPE 8650

*E-line*

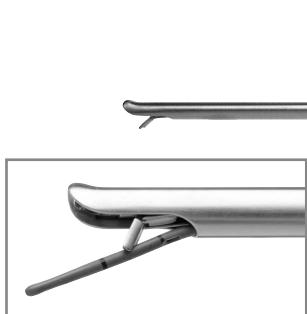
FOR TELESCOPE 4 MM, 0°, 12°, 30°, 70° AND ADAPTERS

						 <p><b>AUTOCLAVE 134° C / 273° F</b></p>			
Sheaths and obturators						Adapters			
			Fr	Color coding	Capacity in Fr	only for diagnostics	1 instrument port	2 instrument ports	
Sheath for cystoscope with obturator	Sheath for cystoscope single	Obturator for cystoscope single	Fr	Color coding	Capacity in Fr	Adapter for cystoscope TL 60 mm	Adapter for cystoscope TL 60 mm	Adapter for cystoscope TL 60 mm	
8650.0141	8650.0145	8650.0147	16 Fr	yellow	1x5*	8650.254	8650.264	8650.284	
8650.0241	8650.0245	8650.0247	17.5 Fr	green	1x5 oder 2x4				
8650.0341	8650.0345	8650.0347	19.5 Fr	red	1x7 oder 2x5				
8650.0441	8650.0445	8650.0447	21 Fr	blue	1x10 oder 2x6				
8650.0541	8650.0545	8650.0547	23 Fr	white	1x12 oder 2x7				
8650.0641	8650.0645	8650.0647	25 Fr	black	1x5				
also:									
Direction of view			Ø	WL	TL	Product no.			
Telescope 0° Ø 4 mm WL 298 mm	0°		4 mm	298 mm	365 mm	8650.414			
Telescope 12° Ø 4 mm WL 297 mm	12°			297 mm	363 mm	8654.431			
Telescope 30° Ø 4 mm WL 300 mm	30°			300 mm	364 mm	8654.422			
Telescope 70° Ø 4 mm WL 302 mm	70°			302 mm	364 mm	8650.415			
Recommended accessories						Product no.			
Perforated basket for standard telescope 2			Internal dimensions (W x H x D): 454 x 52 x 40 mm External dimensions (W x H x D): 481 x 54 x 59 mm			38016			
Fiber light cable bndl consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)			Ø 2.5 mm, 2.3 m long			806625231			

## CYSTO-URETHROSCOPE 8650

E-line

FOR TELESCOPE 4 MM, 30°, 70° AND INSERTS WITH ALBARRAN LEVER

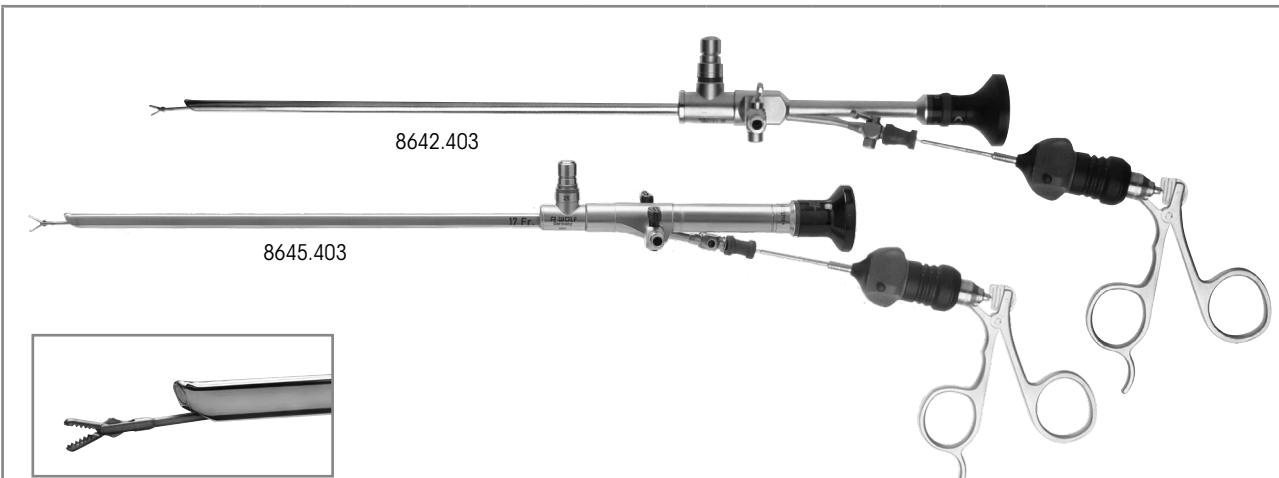



Sheaths and obturators						Inserts with Albarran lever	
Sheath for cystoscope with obturator	Sheath for cystoscope single	Obturator for cystoscope single	Fr	Color coding	Capacity in Fr	Working insert for cystoscope 30/70	Working insert for cystoscope 0/30/70
8650.0241	8650.0245	8650.0247	17.5 Fr	yellow	1 x 5 or 2 x 4	8650.214	8650.204
8650.0341	8650.0345	8650.0347	19.5 Fr	green	1 x 7 or 2 x 5		
8650.0441	8650.0445	8650.0447	21 Fr	red	1 x 10 or 2 x 6		
8650.0541	8650.0545	8650.0547	23 Fr	blue	1 x 12 or 2 x 7		
also:							
			Direction of view	Ø	WL	TL	Product no.
Telescope 30° Ø 4 mm WL 300 mm			30°	4 mm	300 mm	364 mm	8654.422
Telescope 70° Ø 4 mm WL 302 mm			70°	4 mm	302 mm	364 mm	8650.415

Recommended accessories	Product no.
Perforated basket for standard telescope 2	38016
Fiber light cable bndl consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	806625231

## ATRAUMATIC COMPACT CYSTO-URETHROSCOPE

14/17 FR, 25° AND ADAPTERS



	Viewing direction	WL	TL	Sheath	Working channel for auxiliary instruments	Form	Product no.
<b>Cystoscope 25°, 14 Fr, WL 218 mm</b> with straight eyepiece, atraumatically shaped tip	25°	218 mm	358 mm	14 Fr	to 5 Fr	oval	<b>8642.403</b>
<b>Cystoscope 25°, 17 Fr, WL 224 mm</b> with straight eyepiece, atraumatically shaped tip	25°	224 mm	364 mm	17 Fr	to 7 Fr	oval	<b>8645.403</b>
also:							
		WL	TL	Fr		Product no.	
	<b>Flex. biopsy forceps 7 Fr WL 375 mm</b>	375 mm	490 mm	7		<b>829.07</b>	
	<b>Flex. biopsy forceps 5 Fr WL 315 mm</b>	315 mm	465 mm	5		<b>829.05</b>	
	<b>Flex. grasping forceps 7 Fr WL 365 mm</b>	365 mm	515 mm	7		<b>828.07</b>	
	<b>Flex. grasping forceps 5 Fr WL 315 mm</b>	315 mm	465 mm	5		<b>828.05</b>	
	<b>Flex. scissors 7 Fr WL 375 mm</b>	375 mm	490 mm	7		<b>830.07</b>	
	<b>Coagulation electrode mono 6 Fr WL 400 mm</b>	400 mm	-	6		<b>823.06</b>	
Electrode shape: Button	<b>Coagulation electrode mono 5 Fr WL 400 mm</b>	400 mm	-	5		<b>823.05</b>	

Recommended accessories	Product no.
<b>Perforated basket for cysto-urethroscope</b>	<b>38013</b>
<b>Fiber light cable bndl</b> consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	<b>806625231</b>

