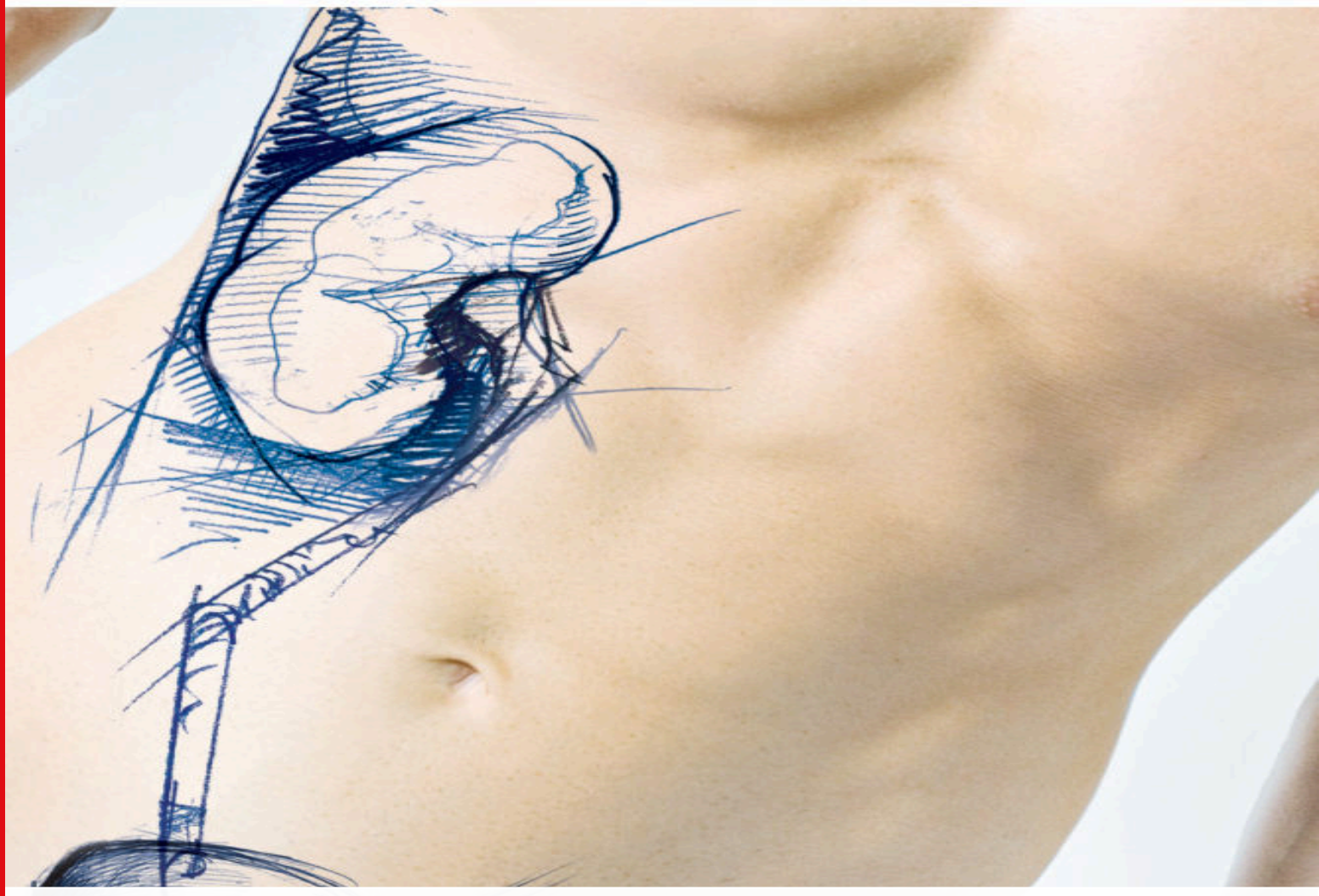
AURA
SURGICARE



UROLOGY

UROLOGY INSTRUMENTS

Endoscopy, resection and urological instrumentation catalogue

info@aurasurgicare.com | +966 53 759 8882 | www.aurasurgicare.com

1 Cystoscopes
2 Urethrotomes
3 Resectoscopes
4 Uretero-Renoscopes
5 Nephroscopes
6 Lithotripsy (UreTron)
7 Laser Therapy
8 Small Caliber
9 Fluid Management
10 Accessories

Catalogue Notice

Product specifications, references and availability may be updated without notice. Images and technical information are provided for professional catalogue reference. Please contact AURA Surgicare for current product information and supply enquiries.

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1777-02.01-1118USA

E-line

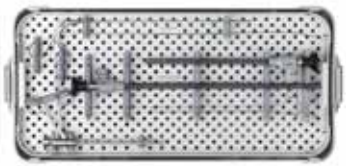
Cysto-Urethroscopes 8650

E-line design

The E-line design guarantees optimum handling and safe, fatigue-free operation as well as a wide range of possible combinations.



Basic Set for Cystoscopy

	**Cysto-urethroscope sheath**, 19.5 Fr. with obturator	**8650.0341**
	**Adapter** with 1 instrument port	**8650.264**
	**Insert with Albarran deflector**, 2 instrument ports	**8650.204**
	**Sterile universal sealing valve** (pack of 5)	**4712348**
	**Viewing obturator**	**8650.724**
	**Biopsy forceps** Marburg	**8650.614**
	**Grasping forceps**	**8650.684**
	**PANOVIEW telescope**, 0°	**8650.414**
	**PANOVIEW telescope**, 70°	**8650.415**
	**Otis urethrotome**	**8517.00**
 822.13  822.31	**Flexible connector**	**822.31** **822.13**
 	**Tray**	**8585030**

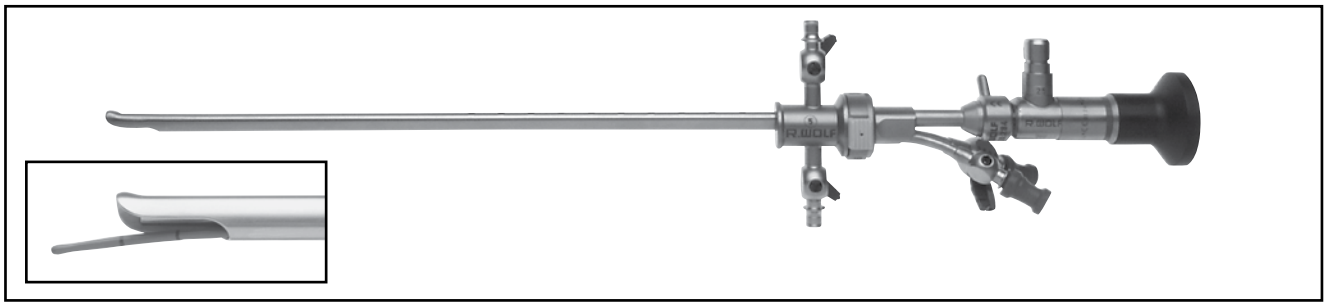
PANOVIEW Telescopes

Overview

Viewing direction	Color code	Application	Ø mm	 HD High Definition
0°	blue	**Standard**	4	**8650.414**
12°	orange	**Standard**	4	**8654.431**
30°	red	**Standard**	4	**8654.422**
		Long sheath	4	**8668.433***
70°	yellow	**Standard**	4	**8650.415**

* Only 25° available.

Cysto-Urethroscope
8650 E-line
for telescope 4 mm, 0°, 12°, 30°, 70° and adapters



Sheaths and obturators							Adapters		
									
Sheath incl. obturator	Sheath single	Horizontal Stopcocks	Obturator single	Fr.	Color code	Capacity (Fr.)	**only for examination**	**1 Instrument port**	**2 Instrument ports**
8650.0141	**8650.0145**	**N/A**	**8650.0147**	16	yellow	1x5*	**8650.254**	**8650.264**	**8650.284**
8650.0241	**8650.0245**	**8650.0245S01**	**8650.0247**	17.5	green	1x5 or 2x4			
8650.0341	**8650.0345**	**8650.0345S01**	**8650.0347**	19.5	red	1x7 or 2x5			
8650.0441	**8650.0445**	**8650.0445S01**	**8650.0447**	21	blue	1x10 or 2x6			
8650.0541	**8650.0545**	**8650.0545S01**	**8650.0547**	23	white	1x12 or 2x7			
8650.0641	**8650.0645**	**N/A**	**8650.0647**	25	black	1x15			

* for urethroscopy (cystoscopy for diagnosis only with adapter 8650.254)

Ø	Viewing direction	Types	PANOVIEW telescopes
4 mm	0°	**8650.414**	 HD High Definition
	12°	**8654.431**	
	30°	**8654.422**	
	70°	**8650.415**	

Accessories:

Fiber light cable set, Ø 2.5 mm, 3.0 m long **806625301**

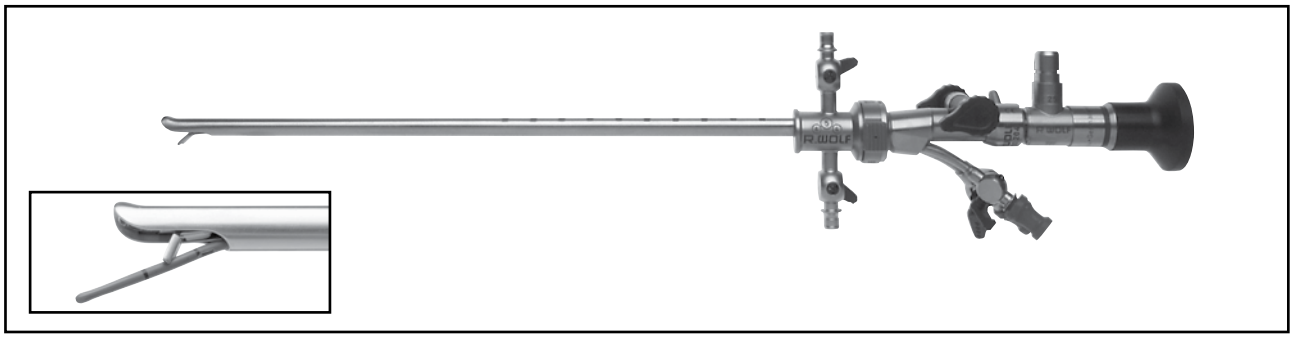
Consisting of:

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

Viewing obturators see page 8.

Cysto-Urethroscope
8650 *E-line*

for telescope 4 mm, 30°, 70° and inserts with Albarran deflector



Sheaths and obturators						Inserts with Albarran deflector	
							
Sheath incl. obturator	Sheath single	Obturator single	Fr.	Color code	Capacity (Fr.)	**1 Instrument port**	**2 Instrument ports**
8650.0241	**8650.0245**	**8650.0247**	17.5	green	1x5 or 2x4	**8650.214**	**8650.204**
8650.0341	**8650.0345**	**8650.0347**	19.5	red	1x7 or 2x5		
8650.0441	**8650.0445**	**8650.0447**	21	blue	1x10 or 2x6		
8650.0541	**8650.0545**	**8650.0547**	23	white	1x12 or 2x7		

Ø	Viewing direction	Types	PANOVIEW telescopes
4 mm	30°	**8654.422**	
	70°	**8650.415**	

HD High Definition

Accessories:

Fiber light cable set, Ø 2.5 mm, 3.0 m long **806625301**

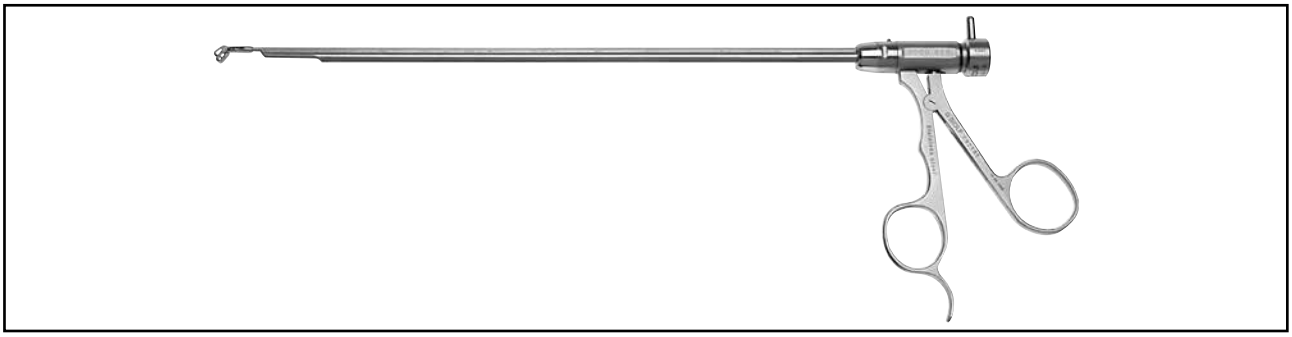
Consisting of:

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

Viewing obturators see page 8.

Optical forceps and scissors

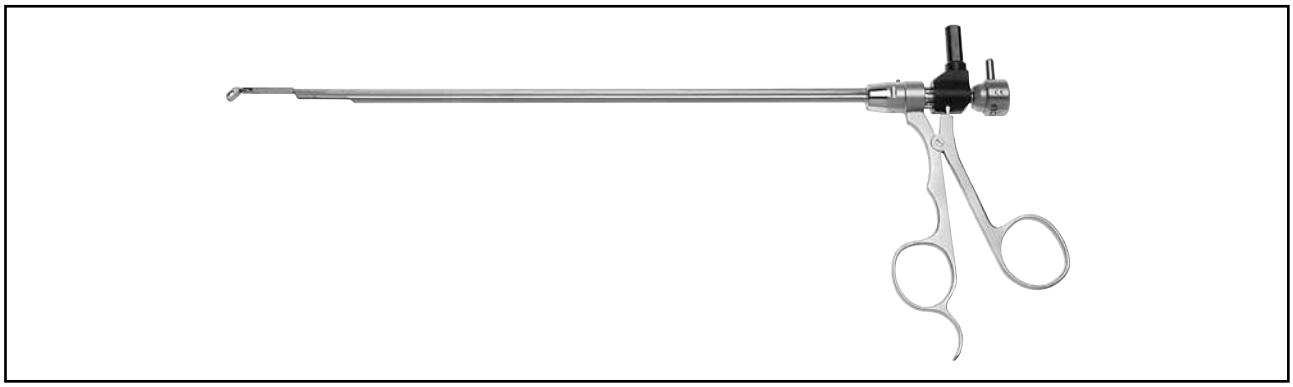
for cysto-urethroscope 8650 with telescope 4 mm, 0°



		for Sheaths from	Types
Biopsy forceps spoon shaped jaws, both opening		19.5 Fr.	**8650.604**
Biopsy forceps "Marburg", cutting action	The close proximity of the jaws to the telescope allows biopsies to be performed even in the area around the neck of the bladder.	19.5 Fr.	**8650.614**
Biopsy forceps with spoon-shaped jaws, retrograde cutting action	For biopsies in the transition area bladder neck / upper wall, as well as in the distal urethra.	19.5 Fr.	**8650.774**
Scissors	For opening ureteroceles, for cutting intruding sutures, for the removal of polyps at their base and for slitting the ostia.	19.5 Fr.	**8650.644**
Grasping forceps both jaws opening		19.5 Fr.	**8650.684**
Foreign body forceps	For crushing small soft calculi.	19.5 Fr.	**8650.654**
Stone grasping forceps	For small stones and for removing stone fragments.	23 Fr.	**8650.664**

Optical coagulating biopsy forceps

for cysto-urethroscope 8650
with telescope 4 mm, 0°

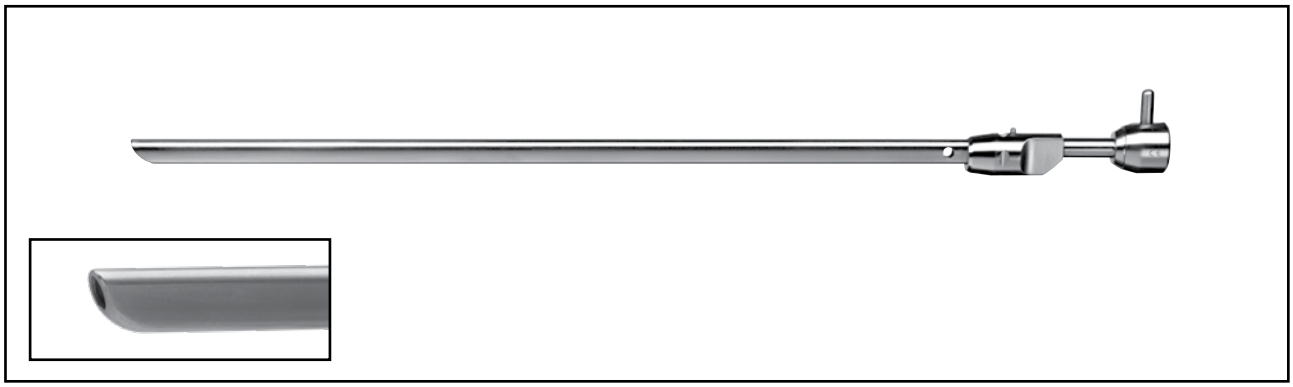


		for Sheaths from	Type
Coagulating biopsy forceps by Tauber 	For combined biopsy and hemostasis. Suitable for bladder mapping and quadrant biopsy. Instant hemostasis without changing instruments and time-consuming reorientation.	21 Fr.	**8650.624**

HF connecting cable see page 51.

Viewing obturators for insertion of the sheath under vision

with telescope 4 mm from 0° to 30°



	for Sheaths	Type
Viewing obturator 	17.5 Fr.	**8650.714**
	19.5 Fr.	**8650.724**
	21 Fr.	**8650.734**
	23 Fr.	**8650.744**

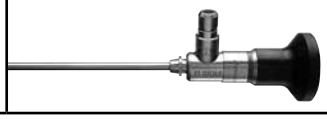
U-Care

Cysto urethroscope

for small caliber
by Rösch



Cysto-Urethroscope Sheath						Adapter
consisting of: Cysto-Urethroscope sheath, obturator and Luer lock connector (886.00)						
	Sheath single	Obturator single	Fr.	Color code	Capacity (Fr.)	1 Instrument port
86720251	**86720255**	**86720257**	12.5	green	5 Fr.	**8672265**
86720451	**86720455**	**86720457**	14.5	white	7 Fr.	

Ø	Viewing direction	Type	PANOVIEW telescope, distortion-free
2.7 mm	30°	**8672432**	 HD High Definition

Accessories:

Fiber light cable set, Ø 2.5 mm, 3.0 m long **806625301**

Consisting of:

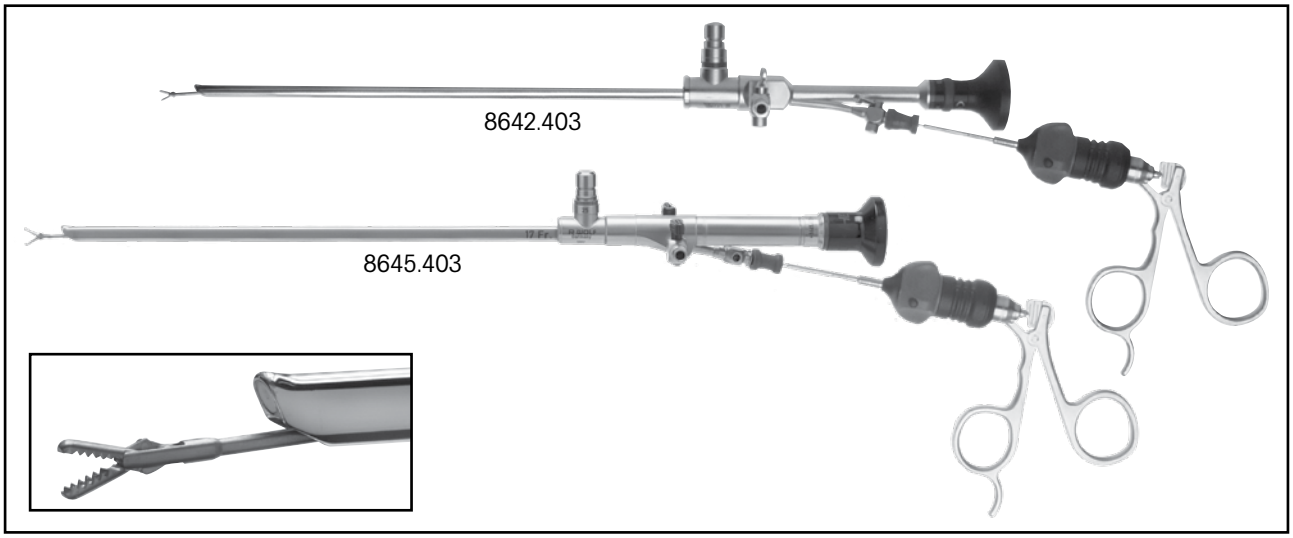
Fiber light cable (80662530), adapter projector side (8095.07) and adapter endoscope side (809509)

Flexible accessory instruments

		mm	Fr.	Types
	**Flexible biopsy forceps**	315	5 Fr.	**829.05**
		375	7 Fr.	**829.07**
	**Flexible foreign body forceps**	315	5 Fr.	**828.05**
		365	7 Fr.	**828.07**
	**Flexible scissors with indented edge**	375	7 Fr.	**830.07**

Atraumatic compact cysto-urethroscopes

14, 17 Fr., 25°



For clinique and practice

- ❏ Outpatient urethro-cystoscopy, with less stress on the patient
- ❏ Biopsy specimens even from the prostate area
- ❏ Foreign body extraction (e.g. removal of stents)
- ❏ Retrograde manipulation
- ❏ Treatment of strictures
- ❏ Powerful PANOVIEW PLUS telescope, 25° viewing direction, panoramic field of view, exceptional detail
- ❏ Specially shaped atraumatic distal tip
- ❏ Compact and sturdy construction

Compact cysto-urethroscope, atraumatic	WL	Fr.	for accessory instruments	Shape	Telescope 25°
8642.403	218 mm	**14**	up to 5 Fr.	oval	PANOVIEW Plus with enlarged image and object field
8645.403	225 mm	**17**	up to 7 Fr.	oval	

Accessories:

Fiber Light Cable Bundle, Ø 2.5 mm, 3.0 m long **806625301**

consisting of:

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

Accessory instruments see next page.

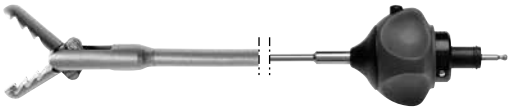
Flexible accessory instruments

for atraumatic compact
cysto-urethroscopes 14, 17 Fr., 25°

		mm	Fr.	Types
	**Flexible biopsy forceps**	315	5 Fr.	**829.05**
		375	7 Fr.	**829.07**
	**Flexible grasping forceps**	430	6.5 Fr.	**8736.684**
	**Flexible foreign body forceps**	315	5 Fr.	**828.05**
		365	7 Fr.	**828.07**
	**Flexible scissors with indented edge**	375	7 Fr.	**830.07**

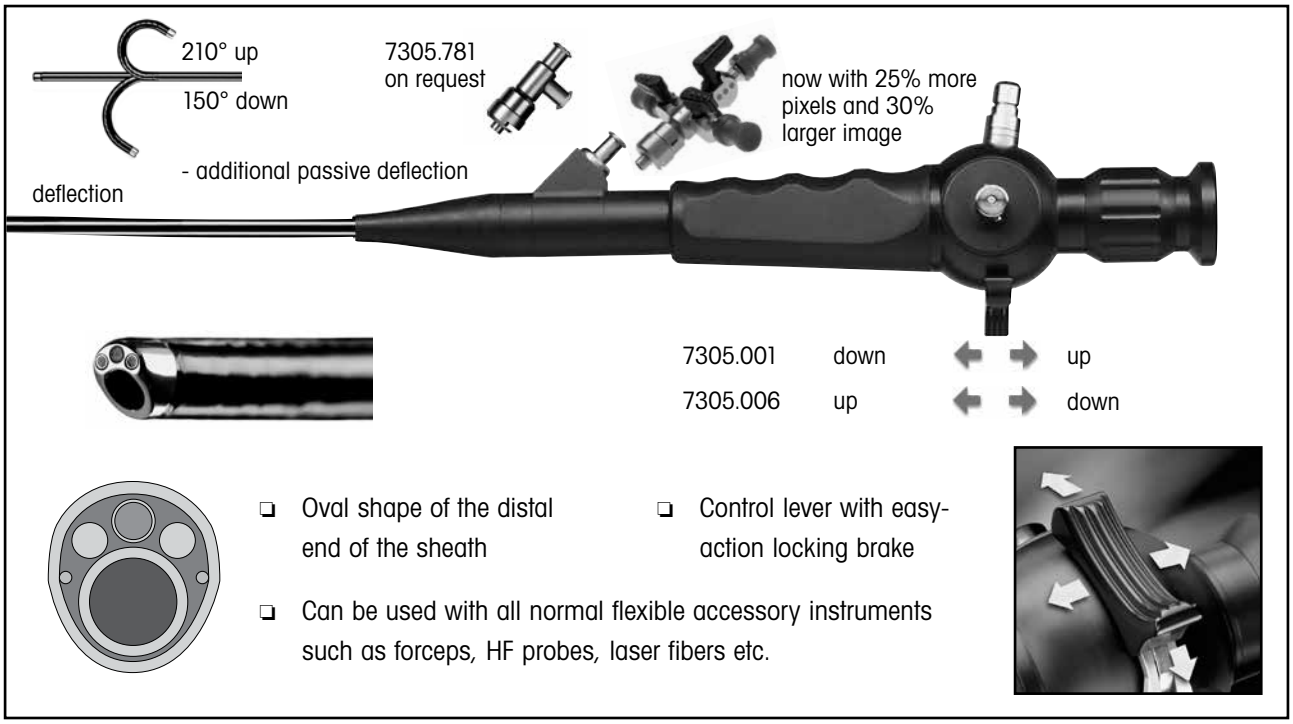
Rigid accessory instruments

for atraumatic compact cysto-urethroscopes 14, 17 Fr., 25°
micro modular system HySafe

Insert with sheath 					Handle with overload protection 	**Complete instrument** • **Insert with sheath** • **Handle**
	Recommended fields of application	**Types**	Fr.	WL		**Types**
Grasping forceps with alligator jaws 	**Cystoscopy**	**8642.6508**	5 Fr.	340	**8083.001**	**8642.6502**
		8645.6508	7 Fr.	325		**8645.6502**
Biopsy forceps, spoon 		**8642.6008**	5 Fr.	340		**8642.6002**
Biopsy forceps 		**8645.6008**	7 Fr.	325		**8645.6002**
Biopsy punch 		**8642.6318**	5 Fr.	340		**8642.6312**
Micro scissors 		**8642.6818**	5 Fr.	340		**8642.6812**
Grasping forceps with alligator jaws 		**8968.6808**	6 Fr.	410		**8968.6802**

- ❏ Flushable – optimum internal cleaning
- ❏ Easy-Click – easy and fast assembly
- ❏ Overload protection – significantly longer life

Flexible fiber-urethro-cystoscope
5 mm / 15 Fr.
Channel 2.5 mm / 7.5 Fr.



- ❏ Oval shape of the distal end of the sheath
- ❏ Control lever with easy-action locking brake
- ❏ Can be used with all normal flexible accessory instruments such as forceps, HF probes, laser fibers etc.

- ❏ Safe and atraumatic passage through the urethra is provided by the oblique distal tip
- ❏ Reduced weight and ergonomic design for optimal handling and less strain on the operator
- ❏ 0° viewing direction, 120° angle of view

Flexible fiber-urethro-cystoscope set	included in set Fiber-urethro-cystoscope	Outer diameter	Instrument channel	Working length	Set
consisting of: Fiber-urethro-cystoscope, instrument port (7305.782), leak tester (163.903), gas sterilization valve (163.904), disposable cleaning brush (7990002), case	**7305.001**	**5 mm / 15 Fr.**	**2.5 mm / 7.5 Fr.**	400 mm	**Forward movement of the control lever provides downward movement of the tip** **730500111**
	7305.006				**Forward movement of the control lever provides upward movement of the tip** **730500611**

Accessories:
Fiber light cable set, Ø 2.5 mm, 3.0 m long **806625301**
Consisting of:
Fiber light cable (80662530), adapter projector side (8095.07) and adapter endoscope side (809509)

Accessory instruments

for flexible fiber-urethro-cystoscope

ENDOCAM® Logic 4k Camera Controller Bundle
can also be used with Pendual Camera Head **552530115**

LCD MONITOR 4K 31"
for pin-sharp endo images **LMD-X310MD**

optional:

Monitor Stand **5370.0190**

Flexible Fiberscope Tray..... **85850302**



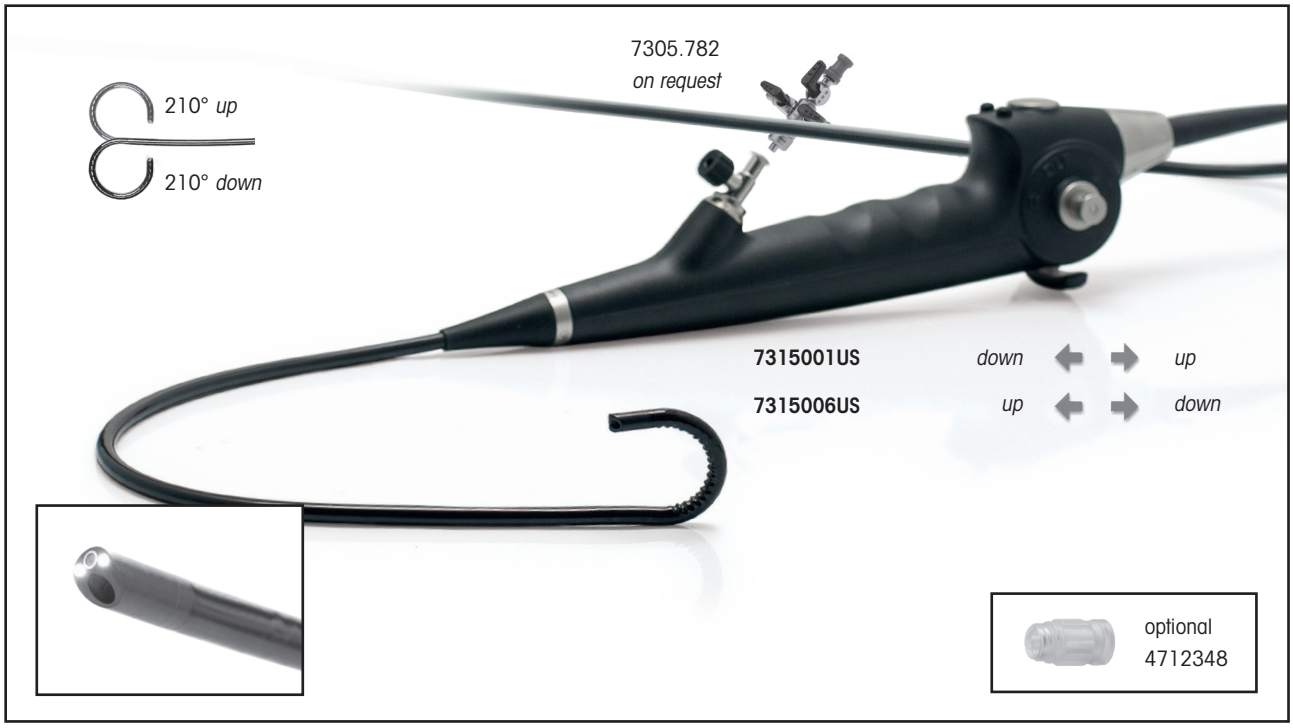


Accessory instruments

for flexible fiber-urethro-cystoscope

	Ø	WL	Types
Biopsy forceps Extra long jaws to obtain a larger specimen 	5 Fr.	550 mm	**829.051**
Mouse-tooth grasping forceps, Safe and effective grasping with mouse-tooth geometry 	5 Fr.	550 mm	**8735.685**
	6.5 Fr.	550 mm	**8736.685**
Attachment with 2 Luer connectors, quick-lock mechanism			**7305.781**
also: **Luer sealing cap**			**15023205**
for inserting accessory instruments of 1 – 6 Fr. **Sterile universal sealing valve** (pack of 5)			**4712348**

MAMBA vision
Flexible sensor cystoscope



- ❏ Patient friendly thanks to extremely thin and highly flexible outer sheath
- ❏ High level of irrigation performance on account of the 7.5 Fr. working channel
- ❏ Excellent image quality and outstanding illumination by means of two distally integrated LEDs
- ❏ 210° articulation upward/downward
- ❏ No separate light source and light cable necessary
- ❏ Channel position for precise positioning of the auxiliary instrument at 3 o'clock

Sensor-cystoscope bndl 16.2 Ch, WL 400 mm,
Ø 11.5/16.2 Fr., working and irrigation channel Ø 7.5 Fr.,
viewing direction 0°, angle of view 110°
forward movement of the control lever distally -
articulation of the tip upwards 7315001US
articulation of the tip downwards 7315006US

Sensor-cystoscope bndl
consisting of:
Leak tester for flex. Endoscopes (163.903)
Pressure equalization valve (163.904)
Rinsing set V (163910)
Luer Sealing Cap (15023205)
Sensor-cystoscope 16.2 Fr., WL 400 mm (7315001US)
orward movement of the control lever distally -
articulation of the tip upwards 73150011US

Sensor-cystoscope bndl
consisting of:
Leak tester for flex. Endoscopes (163.903)
Pressure equalization valve (163.904)
Rinsing set V (163910)
Luer Sealing Cap (15023205)
Sensor-cystoscope 16.2 Fr., WL 400 mm (7315006US)
forward movement of the control lever distally -
articulation of the tip downwards 73150061US

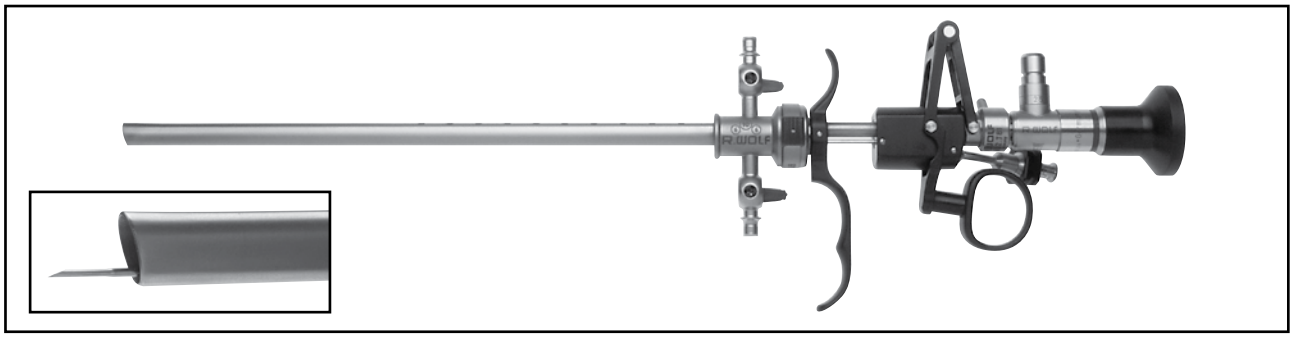
MAMBA vision

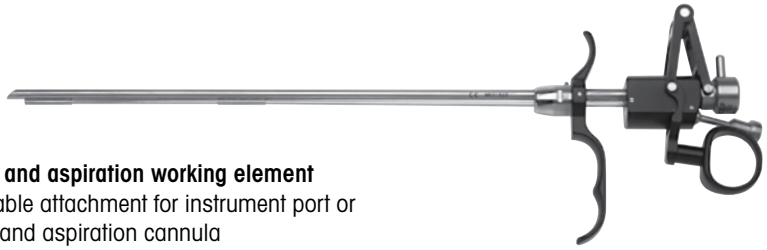
Flexible sensor cystoscope

Accessories and auxiliary instruments

	Ø	WL	Types
Biopsy forceps Extra long jaws to obtain a larger specimen 	5 Fr.	550 mm	**829.051**
Mouse-tooth grasping forceps, Safe and effective grasping with mouse-tooth geometry 	5 Fr.	550 mm	**8735.685**
Adapter with instrument insertion tap 			**7305.782**
Universal sealing valve (pack of 5) for inserting auxiliary instruments of 1 – 6 Fr., sterile, for single use 			**4712348**
For closing the 2nd luer connector: **Luer sealing cap** 			**15023205**
Rinsing set V with double luer lock tube connector 			**163910**

Set for transurethral incontinence therapy *E-line*



	Types
 **Injection- and aspiration working element** with rotatable attachment for instrument port or injection- and aspiration cannula	**8652.781***
 **Injection- and aspiration cannula**, semirigid, 3 Fr.	**8652.7775**
 **Insertion stopcock** for accessory instruments up to 4 Fr.	**8652.788**
 **Sheath with obturator** 21 Fr.	**8652.0441**

Ø	Viewing direction	Types	PANOVIEW telescope
4 mm	30°	**8654.422**	 HD High Definition

Accessories:

Fiber light cable set, Ø 2.5 mm, 3.0 m long **806625301**

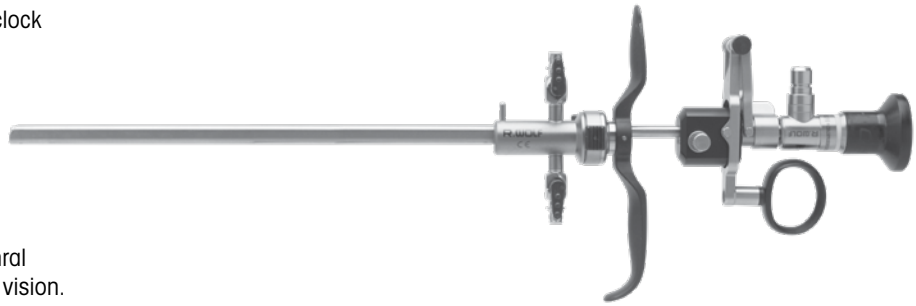
Consisting of:

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

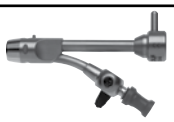
* The working element 8652.781 can be used additionally in all resectoscope sheaths with a capacity of 24 Fr. or larger.

Optical urethrotome
8667 E-line
for telescope 4 mm, 0°

cutting at 12 o'clock



For slitting urethral
strictures under vision.

		Type
Sheath 20.5 Fr. with instrument port for lateral insertion of a catheter (4 Fr.)		**8667.011**
Hollow obturator can be inserted in the urethra via a guide catheter		**8667.111**
Guide tube with latering opening for inserting a 16 Fr. balloon catheter		**8667.161**
Attachment with 1 instrument port capacity max. 10 Fr.		**8652.264**
Working insert for stricture scalpel		**8667.911**

Ø	Viewing direction	Type	PANOVIEW telescope
4 mm	0°	**8650.414**	 HD High Definition

Accessories:

Fiber light cable set, Ø 2.5 mm, 3.0 m long **806625301**

Consisting of:

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

Stricture scalpel

for optical urethrotome 8667

- Unique cutting capacity with ceramic blade
- Sharp cut over much longer period
- Compatible with the current and previous AURA Surgicare systems

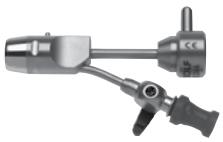
Stricture scalpel with ceramic blade	Sheath	Blade / Shape	**Types**
	solid	half moon	**8667.961**
	hollow (for 4 Fr. ureteric catheters)	half moon	**8667.966**
	hollow (for 4 Fr. ureteric catheters)	Shark-fin for narrow stenoses	**8667.971**
	solid	lancet	**8667.981**

Stricture scalpel (steel)	Sheath	Blade / Shape	**Types**
	hollow (for 4 Fr. ureteric catheters)	half moon	**8667.965**
	solid	half moon	**8667.96**
	solid	lancet	**8667.98**
	solid	sickle shaped	**8667.93**

Small Caliber
Optical urethrotome
for telescope 1.9 mm

cutting at 12 o'clock



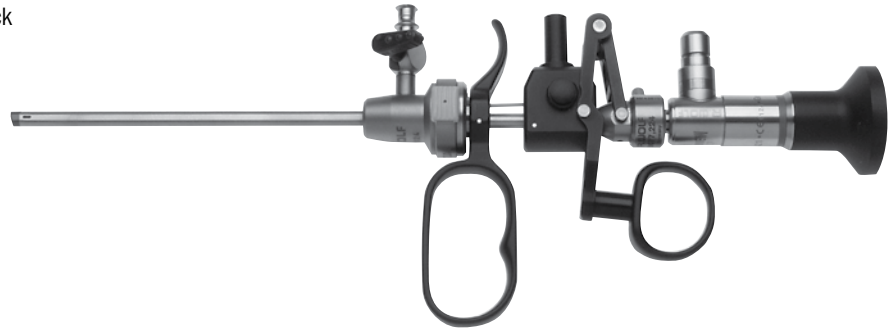
Sheath, with fixed irrigation tap, including obturator				**Adapter** for examination and probing	**Working element**
					
	Fr.	Color code	Capacity (Fr.)	**1 Instrument port**	
8693.0141	8.5	red	3	**8688.264**	**8693.914**
Stricture scalpels				Blade	Types
				**Ceramic /** half moon	**8693.961**
				**sickle-shaped**	**8693.93**
				**hook-shaped**	**8688.94**

Ø	Viewing direction	Type	**PANOVIEW telescope**
1.9 mm	0°	**8686.414**	 HD High Definition

Accessories:
Fiber light cable set, Ø 2.5 mm, 3.0 m long **806625301**
Consisting of:
Fiber light cable (80662530), adapter projector side (8095.07) and adapter endoscope side (809509)

Small Caliber
Optical urethrotome
for telescope 2.7 mm

cutting at 6 o'clock



Sheath, with fixed irrigation tap and obturator, insulated distal tip			**Adapter** for examination (without port)	**Working element** passive cutting action
				
	Fr.	Color code		
8677.0141	11.5	yellow	**8677.254**	**8677.224**
Stricture scalpels			Blade	Types
			**Ceramic /** half moon	**8677.961**
			**sickle shaped**	**8677.93**

Ø	Viewing direction	Type	**PANOVIEW telescope**
2.7 mm	0°	**8672.421**	 HD High Definition

Accessories:
Fiber light cable set, Ø 2.5 mm, 3.0 m long **806625301**
Consisting of:
Fiber light cable (80662530), adapter projector side (8095.07) and adapter endoscope side (809509)

Urethrotome
for blind slitting

cutting at 12 o'clock




Tip straight


Tip curved


Tip spherical

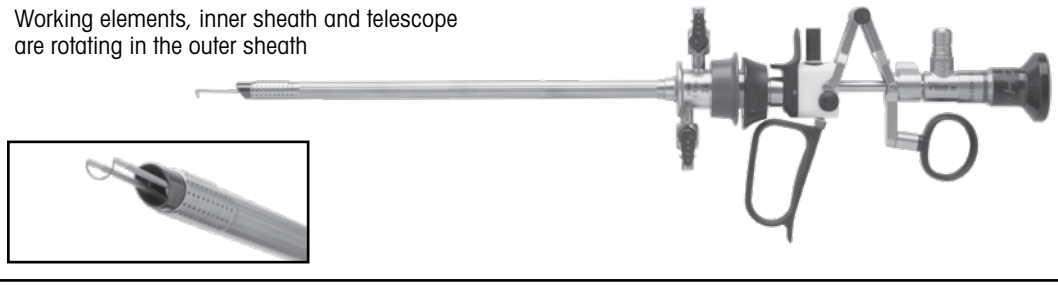
	Fr.	Working Length	**Types**
OTIS urethrotome with 3 interchangeable tips (straight, curved and spherical) including 2 knives	**15 - 45**	**200 mm**	**8517.00**
Spare knife 			**8517.90**

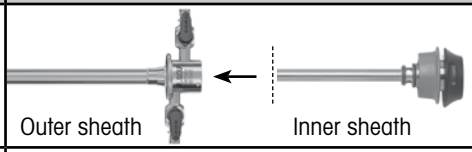
Shark Resectoscope, bipolar

for telescope 4 mm, 12°, 30°

with continuous-irrigation double-sheath system for resection in saline

Working elements, inner sheath and telescope are rotating in the outer sheath



Color code	Distal tip	Sheaths, inner sheath with distal ceramic insulation		Obturator	Viewing obturator	Dilation obturator	Electrodes
Sheaths		 Outer sheath	Inner sheath				
22 / 24 Fr. green		**8675424**	**8675322**	**8673022**	**8673122**	-	**See page 42-43.**
24 / 26 Fr. yellow		**8675426**	**8675324**	**8673024**	**8673124**	**8673224**	

Working elements	Handle type	Cutting action	Type
	closed	passive	**8680.225**

Ø	Viewing direction	Types	**PANOVIEW telescopes**
4 mm	12°	**8654.431**	 HD High Definition
	30°	**8654.422**	

Accessories:

Fiber light cable set, Ø 2.5 mm, 3.0 m long **806625301**

Consisting of:

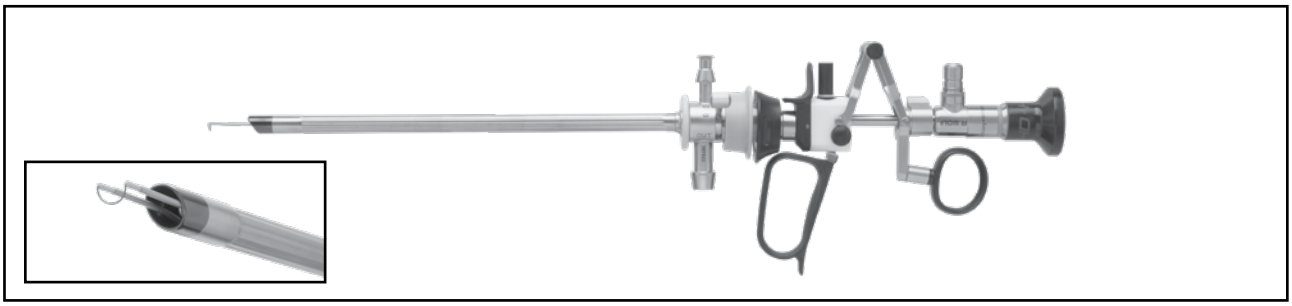
Fiber light cable (80662530), adapter projector side (8095.07) and adapter endoscope side (809509)

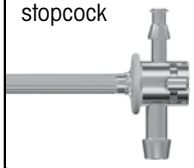
Bipolar connecting cable see page 50.

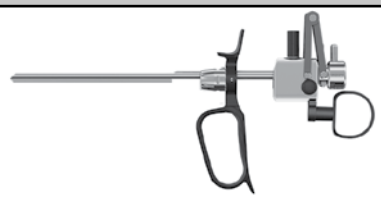
Shark Resectoscope, bipolar

for telescope 4 mm, 12°, 30°

with intermittent irrigation with central tap for resection in saline



Color code	Distal tip	Sheaths, inner sheath with distal ceramic insulation		Obturator	Viewing obturator	Dilation obturator	Electrodes
Sheaths		Sheath with central stopcock 	Connecting part 				
24 Fr. yellow		**8676424**	**8676342**	**8673024**	**8673124**	**8673224**	**See page 42-43.**
26 Fr. black		**8676426**	**8676343**	**8673026**	**8673126**	**8673226**	

Working elements	Handle type	Cutting action	Type
	closed	passive	**8680.225**

Ø	Viewing direction	Types	**PANOVIEW telescopes**
4 mm	12°	**8654.431**	 HD High Definition
	30°	**8654.422**	

Accessories:

Fiber light cable set, Ø 2.5 mm, 3.0 m long **806625301**

Consisting of:

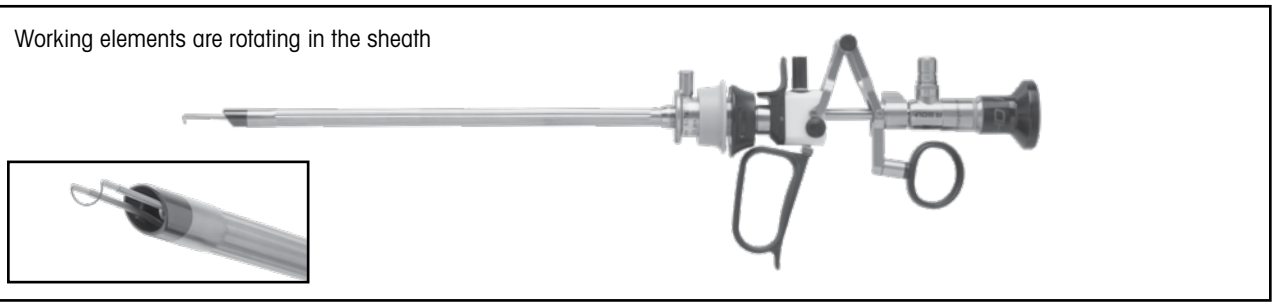
Fiber light cable (80662530), adapter projector side (8095.07) and adapter endoscope side (809509)

Bipolar connecting cable see page 50.

Shark Resectoscope, bipolar

for telescope 4 mm, 12°, 30°

with intermittent irrigation and rotating irrigation adapter for resection in saline



Color code	Distal tip	Sheaths, inner sheath with distal ceramic insulation			Obturator	Viewing obturator	Dilation obturator	Electrodes
Sheaths		Resectoscope sheath	Rotatable irrigation adapter 4 mm Luer connector	Rotatable irrigation adapter 3 mm Luer stopcock				
24 Fr. yellow		**8676324**	**8676354***	**8676361**	**8673024**	**8673124**	**8673224**	**See page 42-43.**
26 Fr. black		**8676326**	**8676354***	**8676361**	**8673026**	**8673126**	**8673226**	

Working elements	Handle type	Cutting action	Type
	closed	passive	**8680.225**

Ø	Viewing direction	Types	**PANOVIEW telescopes**
4 mm	12°	**8654.431**	HD
	30°	**8654.422**	

Accessories:

Fiber light cable set, Ø 2.5 mm, 3.0 m long **806625301**

Consisting of:

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

* For connection to the rotatable irrigation adapter 8676354:

Two-way tap with Luer lock connector **883.12**

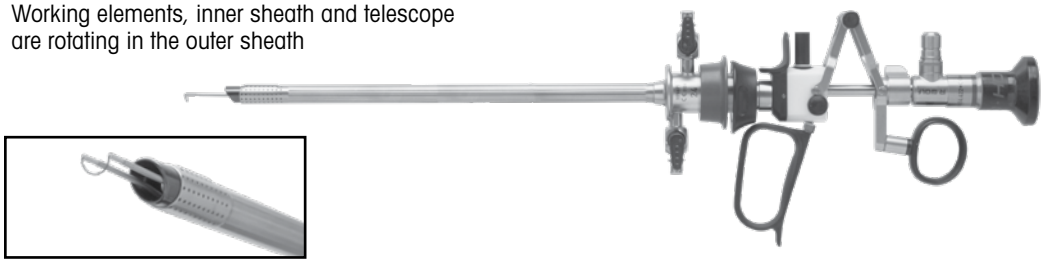
Bipolar connecting cable see page 50.

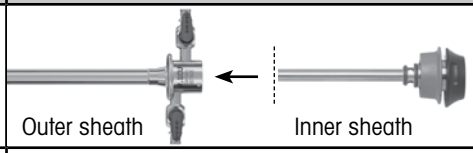
Shark Resectoscope, bipolar

for telescope 4 mm, 12°, 0°

with continuous-irrigation double-sheath system for resection in saline

Working elements, inner sheath and telescope are rotating in the outer sheath



Color code	Distal tip	Sheaths, inner sheath with distal ceramic insulation		Obturator	Viewing obturator	Dilation obturator	Electrodes
Sheaths		 Outer sheath	Inner sheath				
22 / 24 Fr. green		**8675424**	**8675322**	**8673022**	**8673122**	-	**See page 42-43.**
24 / 26 Fr. yellow		**8675426**	**8675324**	**8673024**	**8673124**	**8673224**	

Working elements	Handle type	Cutting action	Type
	closed	passive	**8680.225**

Ø	Viewing direction	Type	**PANOVIEW telescope**
4 mm	0°	**8650.414**	 HD High Definition

Accessories:

Fiber light cable set, Ø 2.5 mm, 3.0 m long **806625301**

Consisting of:

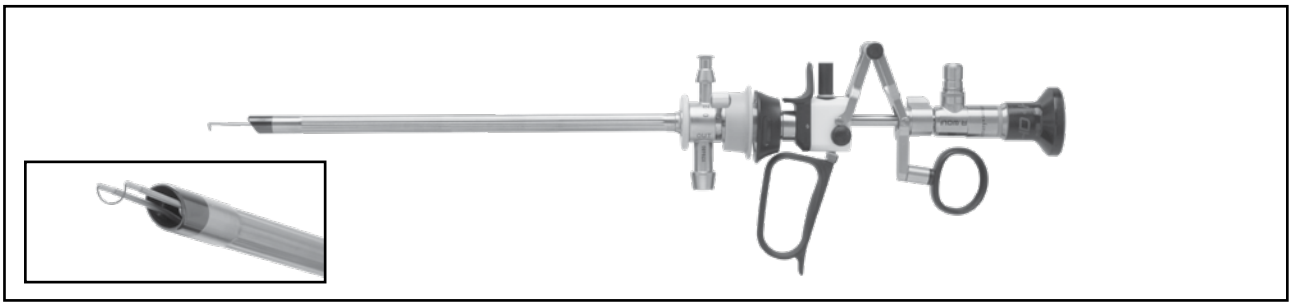
Fiber light cable (80662530), adapter projector side (8095.07) and adapter endoscope side (809509)

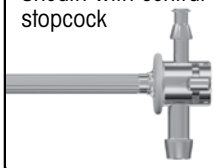
Bipolar connecting cable see page 50.

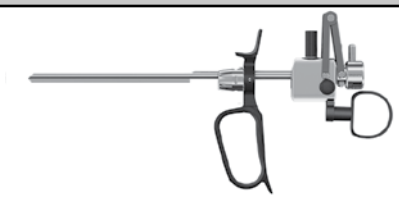
Shark Resectoscope, bipolar

for telescope 4 mm, 0°

with intermittent irrigation with central tap for resection in saline



Color code	Distal tip	Sheaths, inner sheath with distal ceramic insulation		Obturator	Viewing obturator	Dilation obturator	Electrodes
Sheaths		Sheath with central stopcock 	Connecting part 				
24 Fr. yellow		**8676424**	**8676342**	**8673024**	**8673124**	**8673224**	**See page 42-43.**
26 Fr. black		**8676426**	**8676343**	**8673026**	**8673126**	**8673226**	

Working elements	Handle type	Cutting action	Type
	closed	passive	**8680.225**

Ø	Viewing direction	Type	**PANOVIEW telescope**
4 mm	0°	**8650.414**	 HD High Definition

Accessories:

Fiber light cable set, Ø 2.5 mm, 3.0 m long **806625301**

Consisting of:

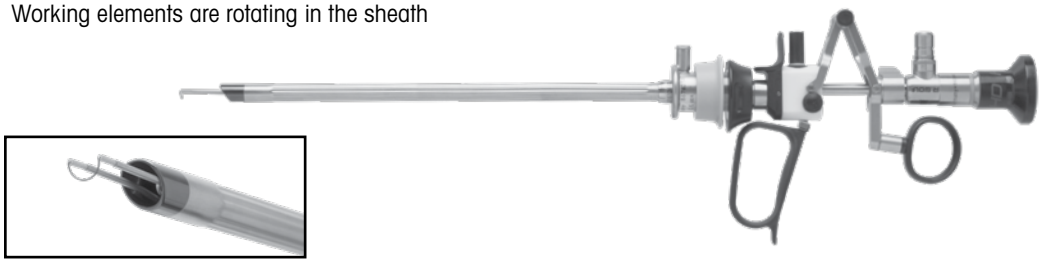
Fiber light cable (80662530), adapter projector side (8095.07) and adapter endoscope side (809509)

Bipolar connecting cable see page 50.

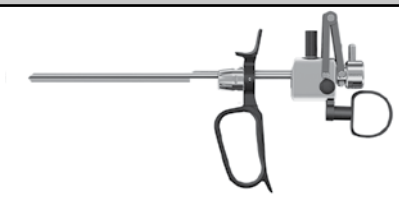
Shark Resectoscope, bipolar

for telescope 4 mm, 0° with intermittent irrigation and rotating irrigation adapter for resection in saline

Working elements are rotating in the sheath



Color code	Distal tip	Sheaths, inner sheath with distal ceramic insulation			Obturator	Viewing obturator	Dilation obturator	Electrodes
Sheaths		Resectoscope sheath 	Rotatable irrigation adapter  4 mm Luer connector	 3 mm Luer stopcock				
24 Fr. yellow		**8676324**	**8676354***	**8676361**	**8673024**	**8673124**	**8673224**	**See page 42-43.**
26 Fr. black		**8676326**	**8676354***	**8676361**	**8673026**	**8673126**	**8673226**	

Working elements	Handle type	Cutting action	Type
	closed	passive	**8680.225**

Ø	Viewing direction	Type	**PANOVIEW telescope**
4 mm	0°	**8650.414**	 HD High Definition

Accessories:

Fiber light cable set, Ø 2.5 mm, 3.0 m long **806625301**

Consisting of:

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

* For connection to the rotatable irrigation adapter 8676354:

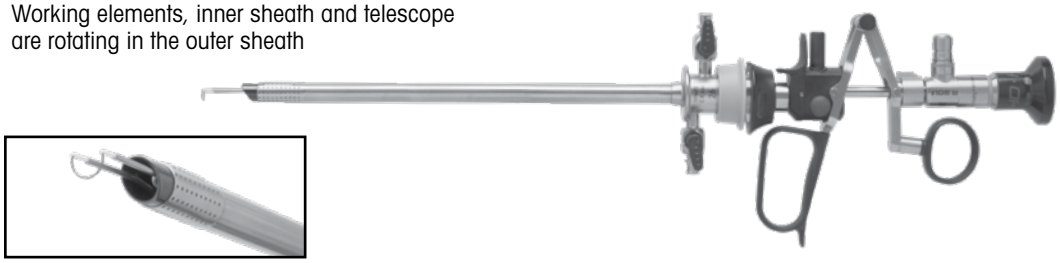
Two-way tap with Luer lock connector **883.12**

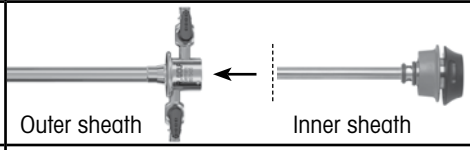
Bipolar connecting cable see page 50.

Shark Resectoscope, monopolar

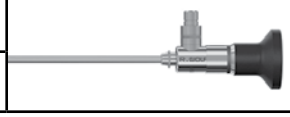
for telescope 4 mm, 12°, 30°
with continuous-irrigation double-sheath system

Working elements, inner sheath and telescope are rotating in the outer sheath



Color code	Distal tip	Sheaths, inner sheath with distal ceramic insulation		Obturator	Viewing obturator	Dilation obturator	Electrodes
Sheaths		 Outer sheath	Inner sheath				
22 / 24 Fr. green		**8675424**	**8675322**	**8673022**	**8673122**	-	**See page 44-45.**
24 / 26 Fr. yellow		**8675426**	**8675324**	**8673024**	**8673124**	**8673224**	

Working elements	Handle type	Cutting action	Type
	closed	passive	**8674.225**

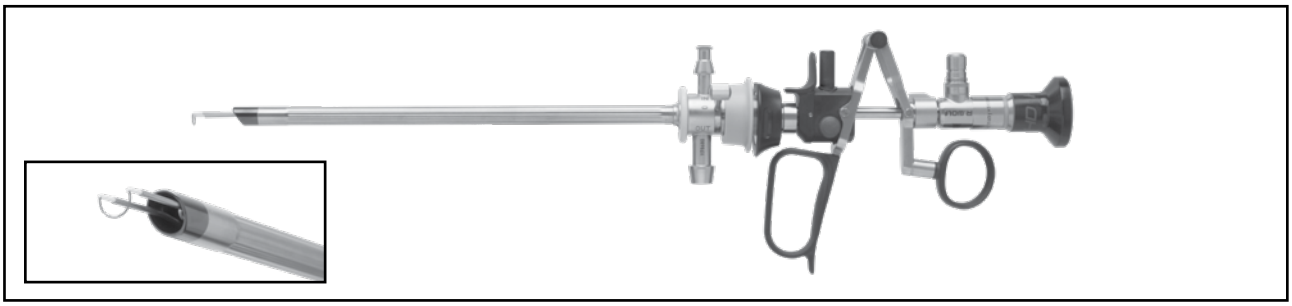
Ø	Viewing direction	Types	**PANOVIEW telescopes**
4 mm	12°	**8654.431**	 HD
	30°	**8654.422**	

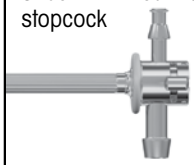
Accessories:
Fiber light cable set, Ø 2.5 mm, 3.0 m long **806625301**
Consisting of:
Fiber light cable (80662530), adapter projector side (8095.07) and adapter endoscope side (809509)

HF connecting cable see page 51.

Shark Resectoscope, monopolar

for telescope 4 mm, 12°, 30°
with intermittent irrigation with central tap



Color code	Distal tip	Sheaths, inner sheath with distal ceramic insulation		Obturator	Viewing obturator	Dilation obturator	Electrodes
Sheaths		Sheath with central stopcock 	Connecting part 				
24 Fr. yellow		**8676424**	**8676342**	**8673024**	**8673124**	**8673224**	**See page 44-45.**
26 Fr. black		**8676426**	**8676343**	**8673026**	**8673126**	**8673226**	

Working elements	Handle type	Cutting action	Type
	closed	passive	**8674.225**

Ø	Viewing direction	Types	PANOVIEW telescopes
4 mm	12°	**8654.431**	 HD High Definition
	30°	**8654.422**	

Accessories:
Fiber light cable set, Ø 2.5 mm, 3.0 m long **806625301**
Consisting of:
Fiber light cable (80662530), adapter projector side (8095.07) and adapter endoscope side (809509)

HF connecting cable see page 51.

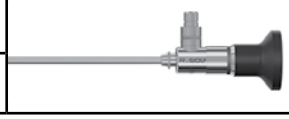
Shark Resectoscope, monopolar

for telescope 4 mm, 12°, 30°
with intermittent irrigation and rotating irrigation adapter



Color code	Distal tip	Sheaths, inner sheath with distal ceramic insulation			Obturator	Viewing obturator	Dilation obturator	Electrodes
		Resectoscope sheath	Rotatable irrigation adapter					
Sheaths			 4 mm Luer connector	 3 mm Luer stopcock				
24 Fr. yellow		**8676324**	**8676354***	**8676361**	**8673024**	**8673124**	**8673224**	**See page 44-45.**
26 Fr. black		**8676326**	**8676354***	**8676361**	**8673026**	**8673126**	**8673226**	

Working elements	Handle type	Cutting action	Type
	closed	passive	**8674.225**

Ø	Viewing direction	Types	**PANOVIEW telescopes**
4 mm	12°	**8654.431**	 HD
	30°	**8654.422**	

Accessories:

Fiber light cable set, Ø 2.5 mm, 3.0 m long **806625301**
Consisting of:
Fiber light cable (80662530), adapter projector side (8095.07) and adapter endoscope side (809509)

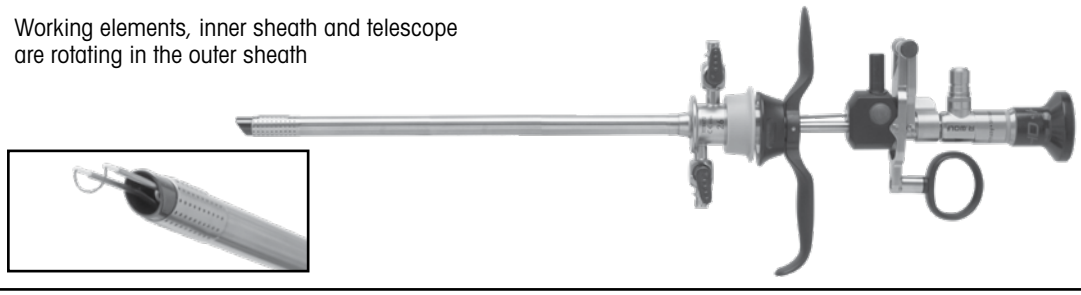
* For connection to the rotatable irrigation adapter 8676354:
Two-way tap with Luer lock connector **883.12**

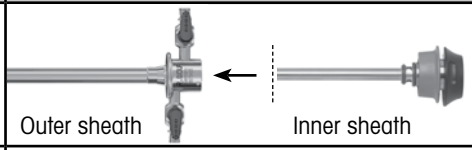
HF connecting cable see page 51.

Shark Resectoscope, monopolar

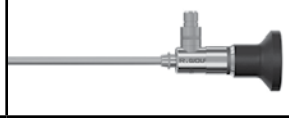
for telescope 4 mm, 0°
with continuous-irrigation double-sheath system

Working elements, inner sheath and telescope are rotating in the outer sheath



Color code	Distal tip	Sheaths, inner sheath with distal ceramic insulation		Obturator	Viewing obturator	Dilation obturator	Electrodes
Sheaths		 Outer sheath	Inner sheath				
22 / 24 Fr. green		**8675424**	**8675322**	**8673022**	**8673122**	-	**See page 44-45.**
24 / 26 Fr. yellow		**8675426**	**8675324**	**8673024**	**8673124**	**8673224**	

Working elements	Handle type	Cutting action	Type
	open	passive	**8681224**

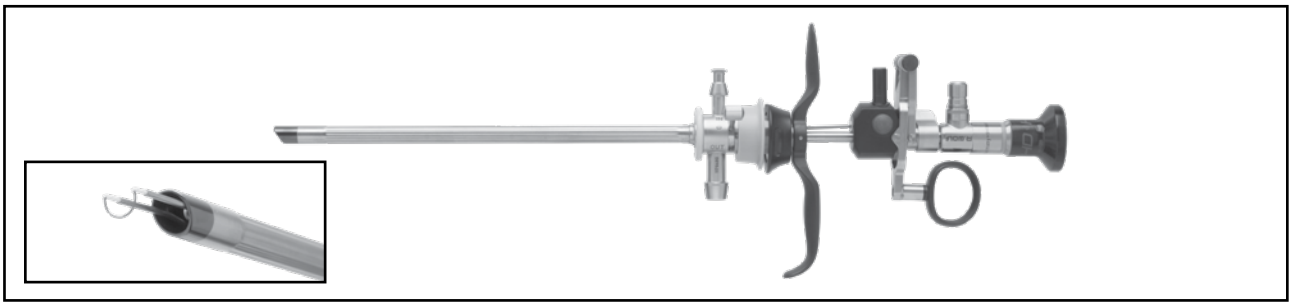
Ø	Viewing direction	Type	**PANOVIEW telescope**
4 mm	0°	**8650.414**	 HD High Definition

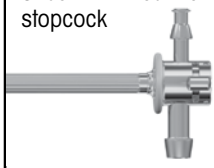
Accessories:
Fiber light cable set, Ø 2.5 mm, 3.0 m long **806625301**
Consisting of:
Fiber light cable (80662530), adapter projector side (8095.07) and adapter endoscope side (809509)

HF connecting cable see page 51.

Shark Resectoscope, monopolar

for telescope 4 mm, 0°
with intermittent irrigation with central tap



Color code	Distal tip	Sheaths, inner sheath with distal ceramic insulation		Obturator	Viewing obturator	Dilation obturator	Electrodes
Sheaths		Sheath with central stopcock 	Connecting part 				
24 Fr. yellow		**8676424**	**8676342**	**8673024**	**8673124**	**8673224**	**See page 44-45.**
26 Fr. black		**8676426**	**8676343**	**8673026**	**8673126**	**8673226**	

Working elements	Handle type	Cutting action	Type
	open	passive	**8681224**

Ø	Viewing direction	Type	**PANOVIEW telescope**
4 mm	0°	**8650.414**	 HD High Definition

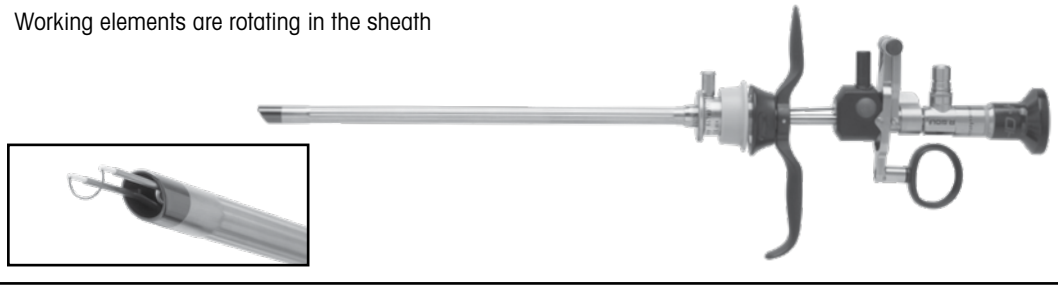
Accessories:
Fiber light cable set, Ø 2.5 mm, 3.0 m long **806625301**
Consisting of:
Fiber light cable (80662530), adapter projector side (8095.07) and adapter endoscope side (809509)

HF connecting cable see page 51.

Shark Resectoscope, monopolar

for telescope 4 mm, 0° with intermittent irrigation and rotating irrigation adapter

Working elements are rotating in the sheath



Color code	Distal tip	Sheaths, inner sheath with distal ceramic insulation			Obturator	Viewing obturator	Dilation obturator	Electrodes
Sheaths		Resectoscope sheath 	Rotatable irrigation adapter  4 mm Luer connector	 3 mm Luer stopcock				
24 Fr. yellow		**8676324**	**8676354**	**8676361**	**8673024**	**8673124**	**8673224**	**See page 44-45.**
26 Fr. black		**8676326**	**8676354**	**8676361**	**8673026**	**8673126**	**8673226**	

Working elements	Handle type	Cutting action	Type
	open	passive	**8681224**

Ø	Viewing direction	Type	**PANOVIEW telescope**
4 mm	0°	**8650.414**	 HD High Definition

Accessories:

Fiber light cable set, Ø 2.5 mm, 3.0 m long **806625301**

Consisting of:

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

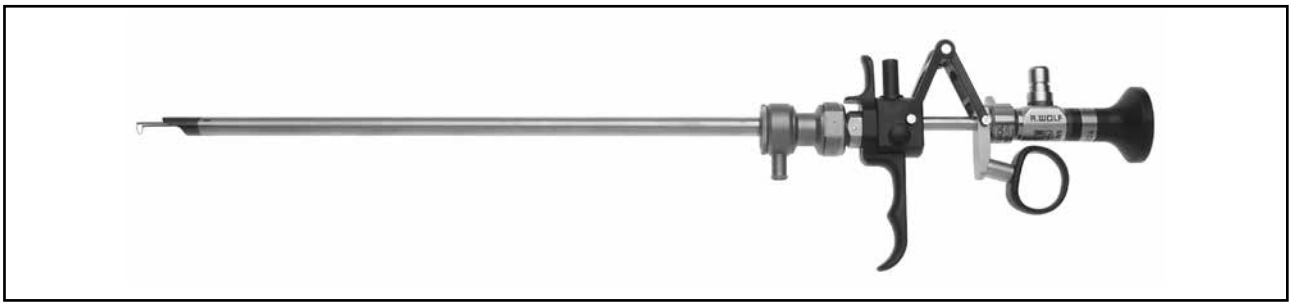
HF connecting cable see page 51.

Shark Obturators for resectoscopes

For resectoscope Shark	Fr.	Sheath			Obturators			
		continuous irrigation oblique 	with rotatable irrigation adapter oblique 	with central stopcock oblique 	Obturator 	Viewing obturator 	Dilation obturator 	Obturator Timberlake 
Double sheath system	22/24	**8675424 and 8675322**	-	-	**8673022**	**8673122**	-	**8654.66**
Sheaths for intermittent irrigation	24	-	**8676324 and 8676354 8676361**	**8676424 8676342**	**8673024**	**8673124**	**8673224**	**8654.67**
Double sheath system	24/26	**8675426 and 8675324**	-	-	**8673024**	**8673124**	**8673224**	**8654.67**
Sheaths for intermittent irrigation	26	-	**8676326 and 8676354 8676361**	**8676426 8676343**	**8673026**	**8673126**	**8673226**	**8654.68**

Shark Resectoscope, monopolar

for telescope 4 mm, 25°, long sheath
with intermittent irrigation



Fr., Color code	Distal tip	Sheath with distal ceramic insulation, swivelling irrigation ring	Obturator	Cutting electrode
Sheath				
24 Fr.		**8668.024**	**8668.12**	**8439.03**

	Handle type	Cutting action	Type
 Spring-assisted cutting action	closed	passive	**8668.225**

Ø	Viewing direction	Type	PANOVIEW telescope
4 mm	25°	**8668.433**	 HD

Accessories:

Fiber light cable set, Ø 2.5 mm, 3.0 m long **806625301**

Consisting of:

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

HF connecting cable see page 51.

U-Care
resectoscope

for small caliber
by Rösch



Resectoscope Sheath Set					
consisting of: resectoscope sheath, obturator and Luer connector (886.00)					
	Fr.	Color code	Sheath single	Obturator single	**Working element "E-line"**, passive cutting
	86770151	14.5	white	**86770155**	**86770157**	**8677.224**

Ø	Viewing direction	WL	Type	**PANOVIEW telescope**, distortion-free
2.7 mm	0°	274 mm	**8672430**	 HD

Accessories:

Fiber light cable set, Ø 2.5 mm, 3.0 m long **806625301**

Consisting of:

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

HF connecting cable see page 51.

Accessory instruments

U-Care resectoscope

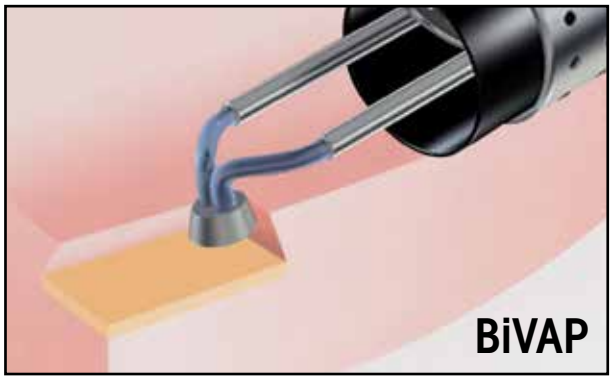
Stricture scalpels	Blade	Type
	Lanzet blade, cutting edge on both sides	**8677981**
	Half-moon shaped	**8677931**

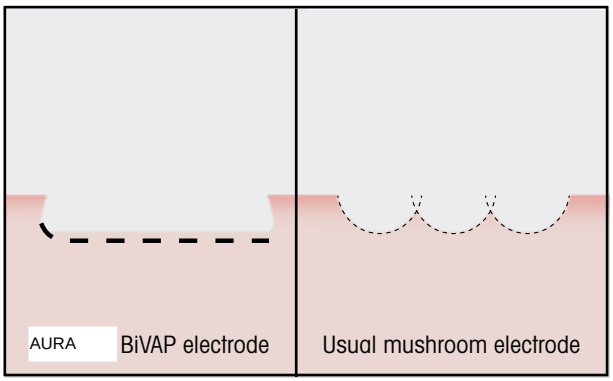
Electrodes		Type
	Coagulating electrode	**8416011**
	Cutting electrode	**8416031**
	Hook electrode	**8416091**

Electrodes

AURA Surgicare **electrodes specially adapted to the anatomy and to specialized therapeutic methods for many applications.**

The quality and effectiveness of various types and shapes of electrodes have been effective in a variety of interventions. Only the combination of original AURA Surgicare **"electrodes and instruments"** ensure optimum results and safety for both patient and user.





"BiVAP" – Bipolar Vaporization Electrode

A special shape of electrode head was developed for bipolar vaporization technology. The specific geometry of the electrode surface means that the high-energy plasma can be used in a concentrated form for fast, effective tissue vaporization with minimal loss of blood. Morever, the "stepped" gradation at the contact area of the electrode enables the energy density to be kept as low as possible and this avoids thermal damage to tissue. No bridges are left behind during vaporization with the BiVAP electrode as a result of its planar bearing surface. A completely flat compartment is created.



Standard 0.3 - 0.4 loop electrodes
and electrodes with a wire calibre of 0.8 mm for bloodless cutting and obtaining specimens for histology.

Shark

Bipolar electrodes

for single use, sterile*, 12°/30°

for continuous-irrigation sheath	Loop	Stem	for sheath sizes in Fr.			
			Ds 22/24	iS 24	Ds 24/26	iS 26
Cutting electrode (pack = 3 pcs.) 	Loop 0.3 mm	Branches	blue	blue	blue	blue
			8622.1333	**4622.1313**	**4622.1313**	**4622.1313**
		Stem	blue	blue	blue	blue
	Loop 0.25 mm	Branches	blue	blue	blue	blue
			4622.2533	**4622.2513**	**4622.2513**	**4624.2513**
		Stem	blue	blue	blue	blue
Cutting electrode, oval (pack = 3 pcs.) 	Loop 0.3 mm	Branches	-	blue	blue	blue
			-	**4622.1323**	**4622.1323**	**4622.1323**
		Stem	-	blue	blue	blue
Coagulating electrode (pack = 3 pcs.) 	Cylinder 1.2 mm	Branches	blue	blue	blue	blue
			4623.0243	**4623.0223**	**4623.0223**	**4623.0223**
		Stem	blue	blue	blue	blue
BiVAP electrode (pack = 3 pcs.) 	Donut	Branches	blue	blue	blue	blue
			46300223	**46300243**	**46300243**	**46300243**
		Stem	blue	blue	blue	blue

Ds = Continuous irrigation iS = intermittent irrigation

* single sterile packed

Shark

Bipolar electrodes

for single use, sterile*, 0°

for continuous-irrigation sheath	Loop	Stem	for sheath sizes in Fr.			
			Ds 22/24	iS 24	Ds 24/26	iS 26
Cutting electrode (pack = 3 pcs.) 	Loop 0.3 mm	Branches	-	blue	blue	blue
			-	**4609.0313**	**4609.0313**	**4611.0313**
		Stem	-	blue	blue	blue
	Loop 0.25 mm	Branches	-	blue	blue	-
			-	**4609.2513**	**4609.2513**	-
		Stem	-	blue	blue	-
Cutting electrode, oval (pack = 3 pcs.) 	Loop 0.3 mm	Branches	-	blue	blue	blue
			-	**4609.0323**	**4609.0323**	**4609.0323**
		Stem	-	blue	blue	blue
Coagulating electrode (pack = 3 pcs.) 	Cylinder 1.2 mm	Branches	-	blue	blue	blue
			-	**4610.0223**	**4610.0223**	**4610.0223**
		Stem	-	blue	blue	blue
BiVAP electrode (pack = 3 pcs.) 	Donut	Branches	-	blue	blue	blue
			-	**46310243**	**46310243**	**46310243**
		Stem	-	blue	blue	blue

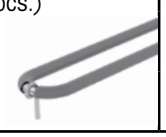
Ds = Continuous irrigation iS = intermittent irrigation

* single sterile packed

Shark

Monopolar electrodes

for single use, sterile*, 12°/30°

for continuous-irrigation sheath	Loop	Stem	for sheath sizes in Fr.			
			Ds 22/24	iS 24	Ds 24/26	iS 26
Cutting electrode (pack = 10 pcs.) 	Loop 0.35 mm	Branches	green	yellow	yellow	black
			46782235	**46782435**	**46782435**	**46782635**
		Stem	transparent	transparent	transparent	transparent
	Loop 0.25 mm	Branches	green	yellow	yellow	-
			46782225	**46782425**	**46782425**	-
		Stem	transparent	transparent	transparent	-
Cutting electrode (pack = 5 pcs.) 	Loop 0.8 mm	Branches	-	yellow	yellow	-
			-	**46782480**	**46782480**	-
		Stem	-	transparent	transparent	-
Coagulating electrode (pack = 5 pcs.) 	Roller	Branches	green	green	green	-
			46782201	**46782201**	**46782201**	-
		Stem	transparent	transparent	transparent	-
Coagulating electrode (pack = 5 pcs.) 	Sphere	Branches	green	green	green	-
			46782202	**46782202**	**46782202**	-
		Stem	transparent	transparent	transparent	-
Coagulating electrode (pack = 5 pcs.) 	Button	Branches	green	green	green	black
			46782203	**46782203**	**46782203**	**46782603**
		Stem	transparent	transparent	transparent	transparent
Knife electrode (pack = 5 pcs.) 	Knife	Branches	green	green	green	black
			46782204	**46782204**	**46782204**	**46782604**
		Stem	transparent	transparent	transparent	transparent
Hook electrode (pack = 5 pcs.) 	Hook	Branches	green	green	green	black
			46782205	**46782205**	**46782205**	**46782605**
		Stem	transparent	transparent	transparent	transparent

Ds = Continuous irrigation iS = intermittent irrigation

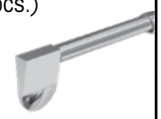
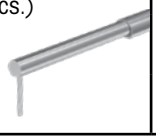
* single sterile packed

RESECTOSCOPES

Shark

Monopolar electrodes

for single use, sterile*, 0°

for continuous-irrigation sheath	Loop	Stem	for sheath sizes in Fr.			
			Ds 22/24	iS 24	Ds 24/26	iS 26
Cutting electrode (pack = 5 pcs.) 	Loop 0.35 mm	Branches		yellow	yellow	black
				46792435	**46792435**	**46792635**
		Stem		transparent	transparent	transparent
Coagulating electrode (pack = 5 pcs.) 	Roller	Branches		green	green	-
				46792201	**46792201**	
		Stem		transparent	transparent	
Knife electrode (pack = 5 pcs.) 	Knife	Branches		transparent	transparent	
				46792204	**46792204**	
		Stem		transparent	transparent	
Hook electrode (pack = 5 pcs.) 	Hook	Branches		transparent	transparent	
				46792205	**46792205**	
		Stem		transparent	transparent	

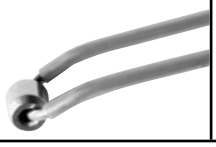
Ds = Continuous irrigation iS = intermittent irrigation

* single sterile packed

E-line

Monopolar electrodes

for resectoscopes, 4 mm telescope, 25°, long sheath

for sheath	Loop	Stem	Fr.	
Cutting electrode 	0.3 mm	Branches		green
				8439.03
		Stem		red
Coagulating electrode 	-	Branches		blue
				8440.02
		Stem		red



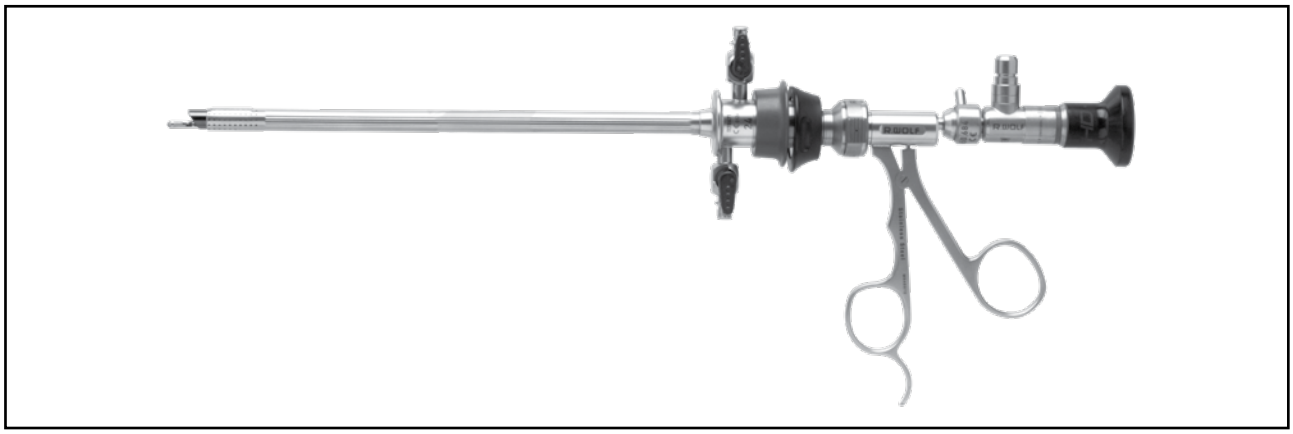
Protective sterilization sleeve **8428.901**

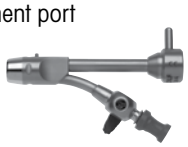
for a maximum of 5 resection or vaporization electrodes

or urethrotome knives, outer Ø 20 mm, length 328 mm

Additional instrument combinations

with resectoscope sheaths Shark

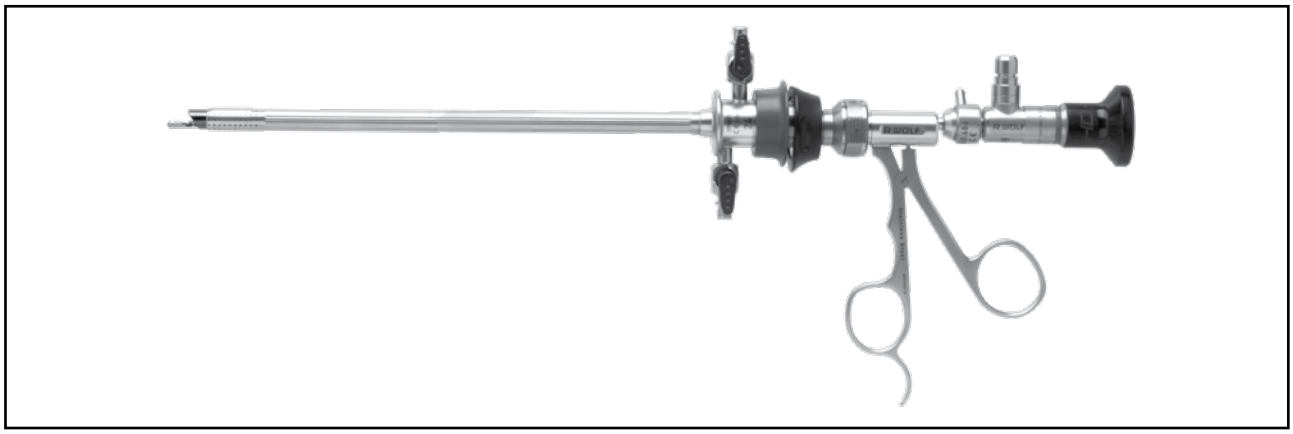


for sheaths			Instruments as for cysto-urethroscopes 8650 for use in resectoscope sheaths		with telescope
Intermittent irrigation Fr.	Continuous irrigation Fr.	via 	Version	Types	
24 - 26	26	only for diagnosis	**Adapter** with 1 instrument port 	**8652.264**	0°, 12°, 30°, 70°
-	26	**Spacer** 8652.704	**Foreign body forceps** 	**8650.264**	0°, 12°, 30°
-	26	**Spacer** 8652.704	**Biopsy forceps**, with spoon-shaped jaws, retrograde 	**8650.774**	0°, 12° (30°)
-	26	**Spacer** 8652.704	**Biopsy forceps**, "Marburg" 	**8650.614**	0°, 12°

RESECTOSCOPES

Additional instrument combinations

with resectoscope sheaths Shark

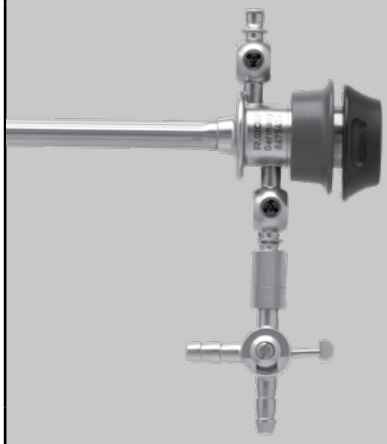


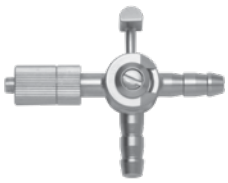
for sheaths			Instruments as for cysto-urethroscopes 8650 for use in resectoscope sheaths		with telescope
Intermittent irrigation Fr.	Continuous irrigation Fr.	via 	Version	Types	
24 - 26	26	**Spacer** 8652.704	**Scissors** 	**8650.644**	0°, 12°
-	26	**Spacer** 8652.704	**Coagulating biopsy forceps** by Taube 	**8650.624**	0°, 12°
-	26	**without spacer**	**Insert with Albarran deflector**, with one or two instrument ports 	**8650.204 or 8650.214**	(0°, 12°) 30°, 70°
-	26	**Spacer** 8652.704	**Biopsy forceps**, spoon-shaped, both jaws opening 	**8650.604**	0°, 12° (30°)
-	26	**Spacer** 8652.704	**Grasping forceps**, both jaws opening 	**8650.684**	0°, 12°

RESECTOSCOPES

Taps, tube connector

for resectoscope sheaths Shark
with 4 mm telescope

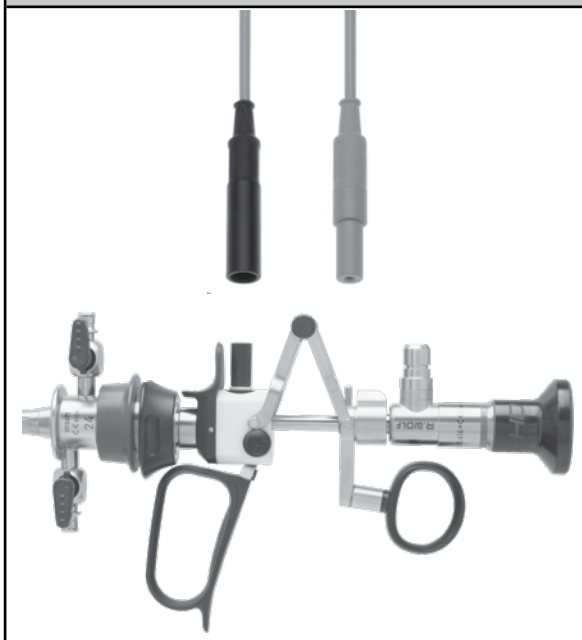


	Ø	for sheaths: with swivelling and replaceable irrigation ring, Capacity 4 mm	for sheaths: with fixed Luer cock, Capacity 3 mm	for sheaths: with central two-way stopcock
Two-way stopcock 	3 mm		**883.00**	
	4 mm	**883.01**		
Stopcock with Luer lock connector 	3 mm		**884.00**	
	4 mm	**884.01**		
Two-way stopcock with Luer lock connector, irrigation inlet from left 	4 mm	**883.12**		
Tube connector 		**889.01**	**889.01**	**889.01**

RESECTOSCOPES

HF connecting cables

for resection in saline

Connector for instrument	Connector for unit	Length	Types
	 ERBE	3 M	**8108.232**

HF monopolar connecting cables

Connector for instrument	Connector for unit	Length	Types
AURA Surgicare **resectoscopes** 	 Bovie / Valleylab / Erbe (Int.) / BOWA Int.)	3 M	**815.033**
		5 M	**815.053**
AURA Surgicare **instruments** 	 ERBE (ACC / ICC) / BOWA (EU)	3 m	**8106.032**
		5 m	**8106.052**
	 ERBE (T series)	3 m	**8106.132**
		5 m	**8106.152**
	 Martin (m-Version) / Berchtold / Aesculap	3 m	**8106.031**
		5 m	**8106.051**
	 Bovie / Valleylab / Erbe (Int.) / BOWA Int.)	3 m	**8106.033**
		5 m	**8106.053**
	 BOWA (Int. / EU) Eschmann and other devices with 4 mm connectors	3 m	**8106.034**
		5 m	**8106.054**

HF bipolar connecting cables

Connector for instrument	Connector for unit	Length	Types
AURA Surgicare **bipolar forceps** 	 ERBE (ACC / ICC) / BOWA (EU)	3 m	**8108.032**
		5 m	**8108.052**
	 WOLF / Martin (m-Version) / Berchtold / Aesculap	3 m	**8108.031**
		5 m	**8108.051**
	 EMC Dolley	3 m	**8108035**
		5 m	**8108055**
Bipolar tweezers 	 ERBE (ACC / ICC) / BOWA (EU)	3 m	**8108.132**
		5 m	**8108.152**
	 WOLF / Martin (m-Version) / Berchtold / Aesculap	3 m	**8108.131**
		5 m	**8108.151**
	 EMC Dolley	3 m	**8108135**
		5 m	**8108155**

4.5 / 6 Fr. Needle
Semi-rigid Uretero-Renoscope
Straight eyepiece



- Extremely thin, 4.5 / 6 Fr.
- Large oval irrigation and probe channel 2.5 x 3 Fr.
- Excellent view through miniature fiber optic ureteroscope
- Progressive dilation - even in the narrowest passages
- Stone therapy with laser or electrohydraulic lithotripsy

Instrumentation	Description	Angle of view	WL	Insert capacity (Fr.)
8701517	Straight eyepiece	5°	330 mm	3
8701518	Straight eyepiece	5°	430 mm	3

Accessories:

Handle **8702.261**

For inserting accessory instruments of 1 – 6 Fr.:

Universal sealing valve, sterile (pack = 5 pcs.) **4712348**

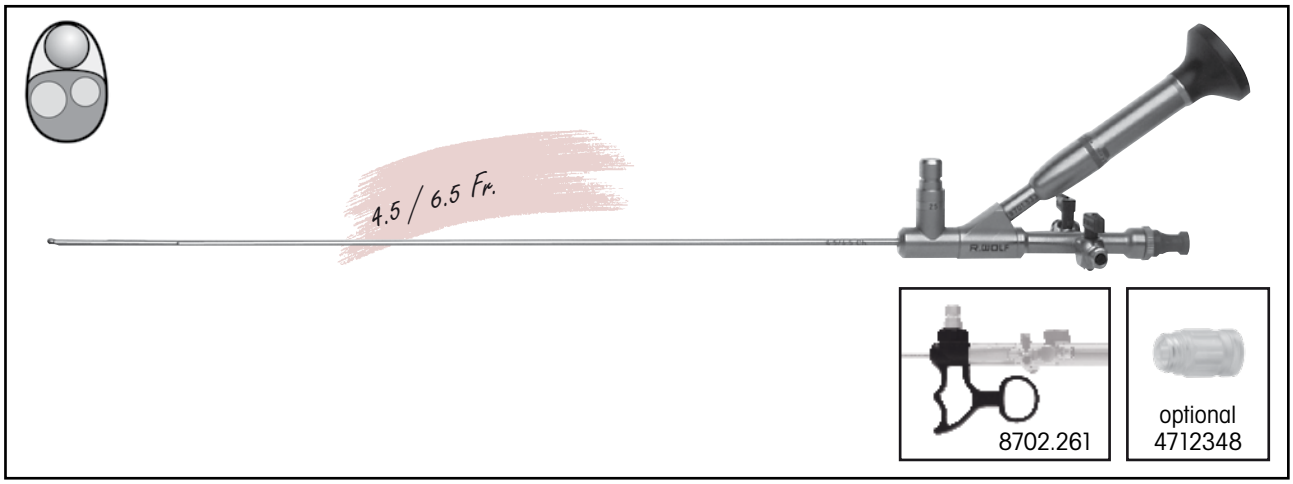
Fiber light cable set, Ø 2.5 mm, 3.0 m long **806625301**

consisting of:

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

Accessory instruments see page 64.

Needle
Fiber ureterorenoscope by Bichler
with oblique eyepiece



- Stone therapy with laser fiber Ø 272 µm
- Particularly suitable for primary URS without prior placement of a double J catheter
- Excellent view thanks to the latest image guide technology and optimum irrigation flow

Fiber ureterorenoscope with oval irrigation and instrument channel, including automatic valve for inserting instrument	Working length	Total length	Telescope	Fr.	Irrigation and instrument channel Fr.	for accessory instruments Fr.	Type
Fiber ureterorenoscope by Bichler	430 mm	570 mm	5°	4.5 / 6.5	3.15 x 3.15	1 x 3	**8701.534**

Accessories:

Foreign body forceps, flexible, 3 Fr.,
with alligator jaws, WL 530 mm **828.605**

Biopsy forceps, flexible, 3 Fr., WL 530 mm **829.603**

Handle **8702.261**

For inserting accessory instruments of 1 – 6 Fr.:

Universal sealing valve, sterile (pack = 5 pcs.) **4712348**

Membrane retainer, standard **15256.393**

Membrane retainer with Luer..... **15256.456**

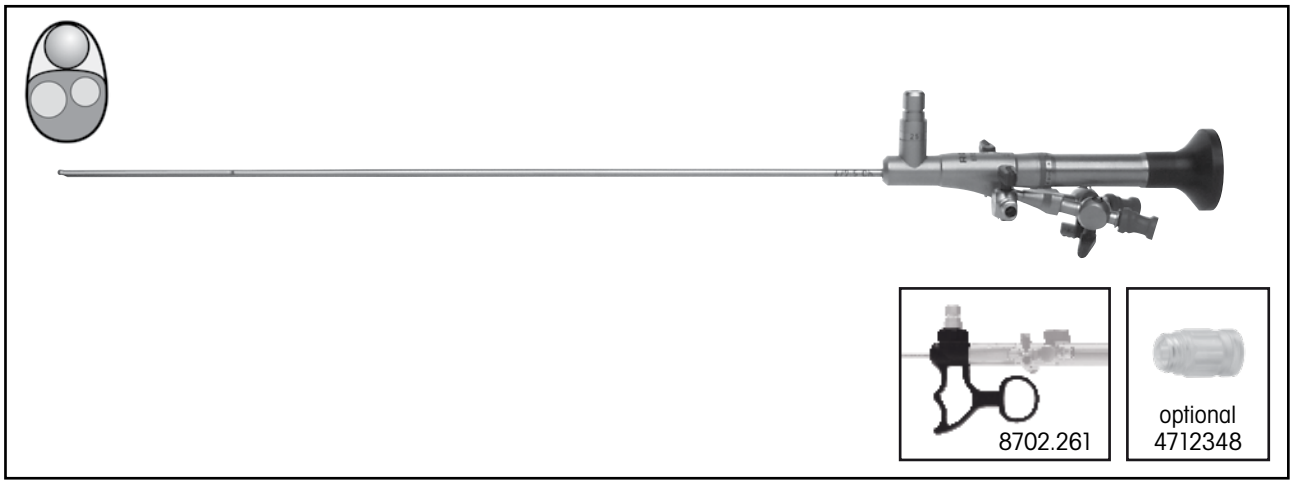
Membrane seal (pack of 10)..... **89.101**

Fiber light cable set, Ø 2.5 mm, 3.0 m long **806625301**
consisting of:
Fiber light cable (80662530), adapter projector side (8095.07) and adapter endoscope side (809509)

Accessory instruments see page 64.

Ultrathin Fiber ureterorenoscope

with direct view eyepiece



- Stone therapy with laser or electrohydraulic lithotripsy
- Use of flexible accessory instruments or two different instruments such as laser fiber or electrohydraulic probe and stone baskets to stabilize and retrieve the concrement

Fiber ureterorenoscope with oval irrigation and instrument channel	Working length	Total length	Telescope	Fr.	Irrigation and instrument channel Fr.	for accessory instruments Fr.	Type
Fiber Ureterorenoscope	430 mm	560 mm	5°	6 / 7.5	4.2 x 4.6	1 x 4	**8702.518**
Fiber Ureterorenoscope	330 mm	460 mm	5°	6 / 7.5	4.2 x 4.6	1 x 4	**8702.517**

Accessories:

Handle **8702.261**

For inserting accessory instruments of 1 – 6 Fr.:

Universal sealing valve, sterile (pack = 5 pcs.) **4712348**

Fiber light cable set, Ø 2.5 mm, 3.0 m long **806625301**

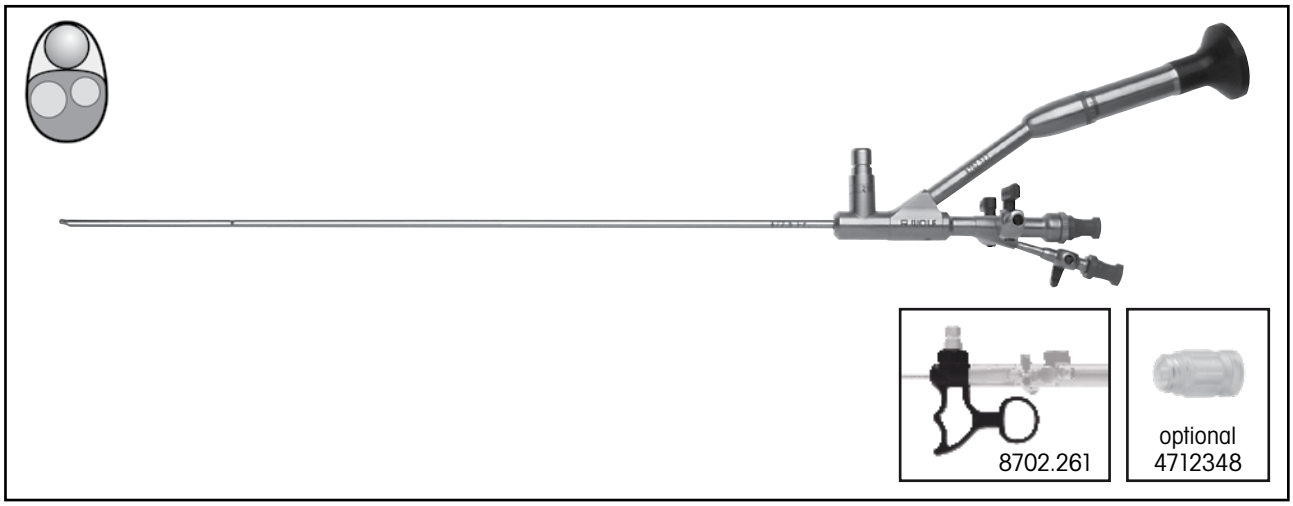
consisting of:

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

Accessory instruments see page 64.

Fiber ureterorenoscope by Marberger

with offset eyepiece



- Stone therapy with laser, ultrasound, electrohydraulic or ballistic lithotripsy
- Rigid accessory instruments can be used through the straight instrument channel
- Use of flexible accessory instruments or two different instruments such as laser fiber or electrohydraulic probe and stone baskets to stabilize and retrieve the concrement

Fiber ureterorenoscope with oval irrigation and instrument channel, including automatic valve for inserting instrument	Working length	Total length	Telescope	Fr.	Irrigation and instrument channel Fr.	for accessory instruments Fr.	Type
Fiber ureterorenoscope by Marberger	430 mm	600 mm	5°	6 / 7.5	4.2 x 4.6	1 x 4 or 2 x 2.4	**8702.524**

Accessories:

Handle **8702.261**

For inserting accessory instruments of 1 – 6 Fr.:

Universal sealing valve, sterile (pack = 5 pcs.) **4712348**

Membrane retainer, standard **15256.393**

Membrane retainer with Luer..... **15256.456**

Membrane seal (pack of 10)..... **89.101**

Fiber light cable set, Ø 2.5 mm, 3.0 m long **806625301**

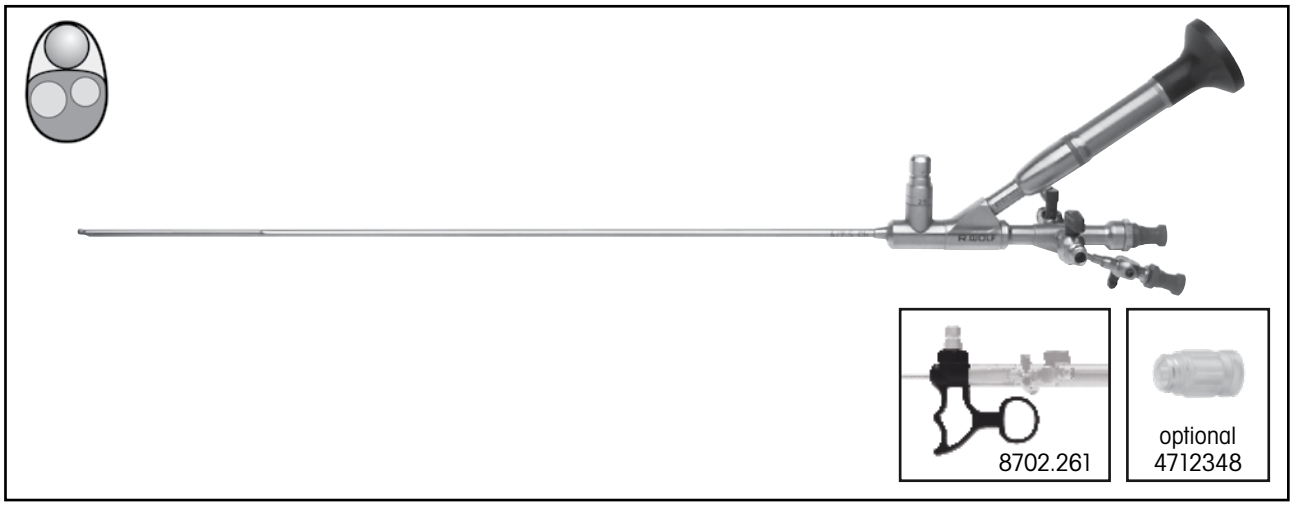
consisting of:

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

Accessory instruments see page 64.

Fiber ureterorenoscope by Bichler

with oblique eyepiece



- Stone therapy with laser, ultrasound, electrohydraulic or ballistic lithotripsy
- Rigid accessory instruments can be used through the straight instrument channel
- Use of flexible accessory instruments or two different instruments such as laser fiber or electrohydraulic probe and stone baskets to stabilize and retrieve the concrement

Fiber ureterorenoscope with oval irrigation and instrument channel, including automatic valve for inserting instrument	Working length	Total length	Telescope	Fr.	Irrigation and instrument channel Fr.	for accessory instruments Fr.	Type
Fiber ureterorenoscope by Bichler	430 mm	570 mm	5°	6 / 7.5	4.2 x 4.6	1 x 4 or 2 x 2.4	**8702.534**

Accessories:

Handle **8702.261**

For inserting accessory instruments of 1 – 6 Fr.:

Universal sealing valve, sterile (pack = 5 pcs.) **4712348**

Membrane retainer, standard **15256.393**

Membrane retainer with Luer..... **15256.456**

Membrane seal (pack of 10)..... **89.101**

Fiber light cable set, Ø 2.5 mm, 3.0 m long **806625301**

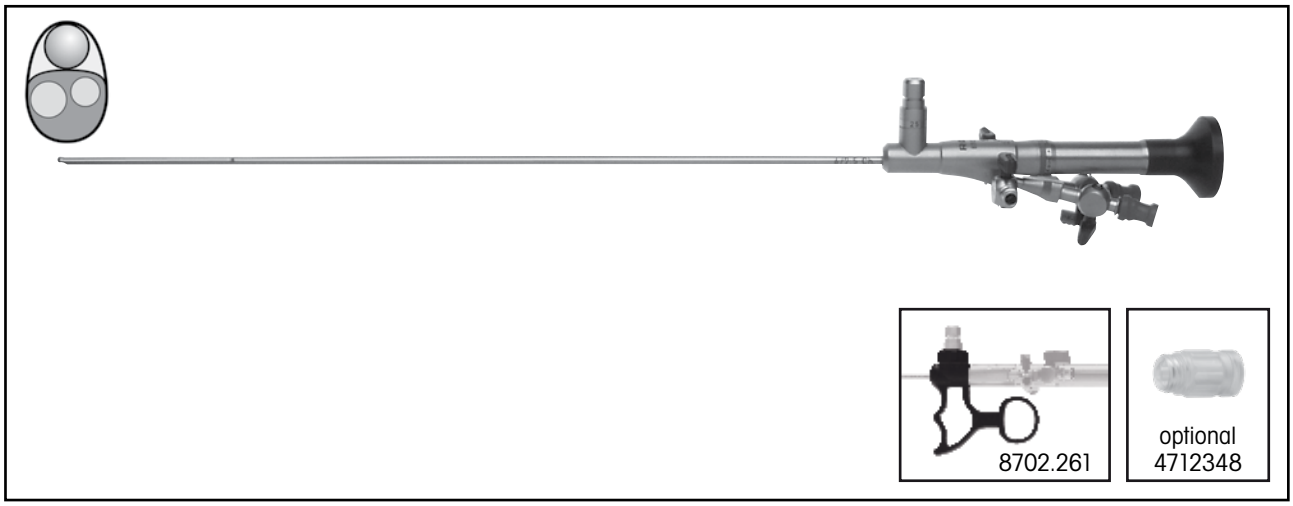
consisting of:

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

Accessory instruments see page 64.

Fiber ureterorenoscope

with direct view eyepiece



- Stone therapy with laser or electrohydraulic lithotripsy
- Use of flexible accessory instruments or two different instruments such as laser fiber or electrohydraulic probe and stone baskets to stabilize and retrieve the concrement

Fiber ureterorenoscope with oval irrigation and instrument channel	Working length	Total length	Telescope	Fr.	Irrigation and instrument channel Fr.	for accessory instruments Fr.	Type
Fiber ureterorenoscope	430 mm	560 mm	12°	8 / 9.8	5.2 x 6.2	1 x 5	**8703.518**
Fiber ureterorenoscope	330 mm	460 mm	12°	8 / 9.8	5.2 x 6.2	1 x 5	**8703.517**

Accessories:

Handle **8702.261**

For inserting accessory instruments of 1 – 6 Fr.:

Universal sealing valve, sterile (pack = 5 pcs.) **4712348**

Fiber light cable set, Ø 2.5 mm, 3.0 m long **806625301**

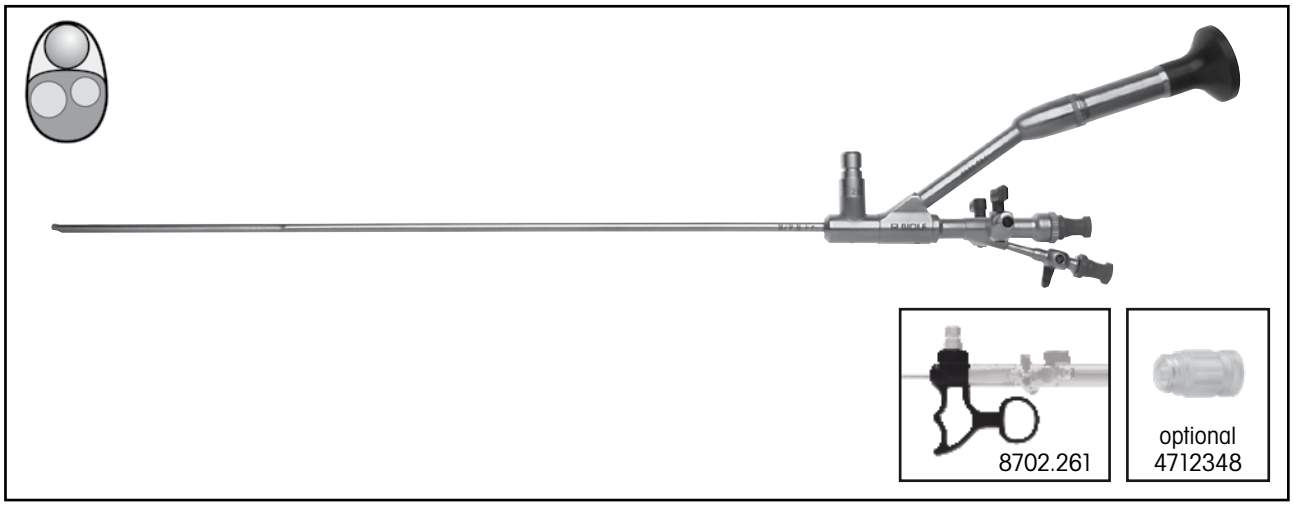
consisting of:

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

Accessory instruments see page 64.

Fiber ureterorenoscope by Marberger

with offset eyepiece



- Stone therapy with laser, ultrasound, electrohydraulic or ballistic lithotripsy
- Rigid accessory instruments can be used through the straight instrument channel
- Use of flexible accessory instruments or two different instruments such as laser fiber or electrohydraulic probe and stone baskets to stabilize and retrieve the concrement

Fiber ureterorenoscope with oval irrigation and instrument channel, including automatic valve for inserting instrument	Working length	Total length	Telescope	Fr.	Irrigation and instrument channel Fr.	for accessory instruments Fr.	Type
Fiber ureterorenoscope by Marberger	430 mm	600 mm	12°	8 / 9.8	5.2 x 6.2	1 x 5 or 2 x 3	**8703.524**

Accessories:

Handle **8702.261**

For inserting accessory instruments of 1 – 6 Fr.:

Universal sealing valve, sterile (pack = 5 pcs.) **4712348**

Membrane retainer, standard **15256.393**

Membrane retainer with Luer..... **15256.456**

Membrane seal (pack of 10)..... **89.101**

Fiber light cable set, Ø 2.5 mm, 3.0 m long **806625301**

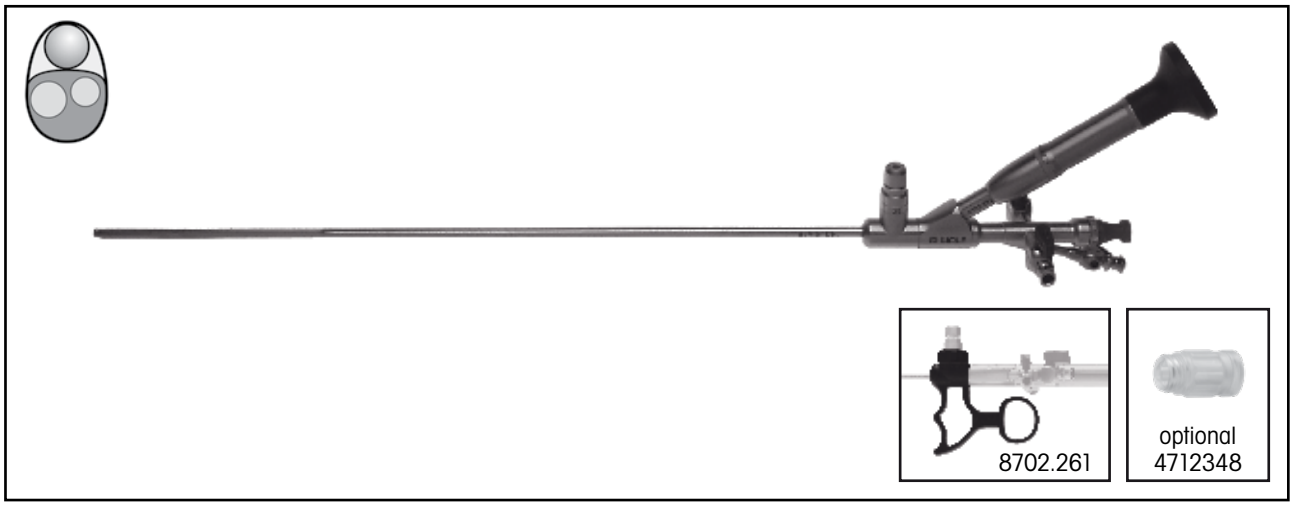
consisting of:

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

Accessory instruments see page 64.

Fiber ureterorenoscope by Bichler

with oblique eyepiece



- Stone therapy with laser, ultrasound, electrohydraulic or ballistic lithotripsy
- Rigid accessory instruments can be used through the straight instrument channel
- Use of flexible accessory instruments or two different instruments such as laser fiber or electrohydraulic probe and stone baskets to stabilize and retrieve the concrement

Fiber ureterorenoscope with oval irrigation and instrument channel, including automatic valve for inserting instrument	Working length	Total length	Telescope	Fr.	Irrigation and instrument channel Fr.	for accessory instruments Fr.	Type
Fiber ureterorenoscope by Bichler	430 mm	570 mm	12°	8 / 9.8	5.2 x 6.2	1 x 5 or 2 x 3	**8703.534**

Accessories:

Handle **8702.261**

Guide for US transducer **8702.271**

For inserting accessory instruments of 1 – 6 Fr.:

Universal sealing valve, sterile (pack = 5 pcs.) **4712348**

Membrane retainer, standard **15256.393**

Membrane retainer with Luer..... **15256.456**

Membrane seal (pack of 10)..... **89.101**

Fiber light cable set, Ø 2.5 mm, 3.0 m long **806625301**

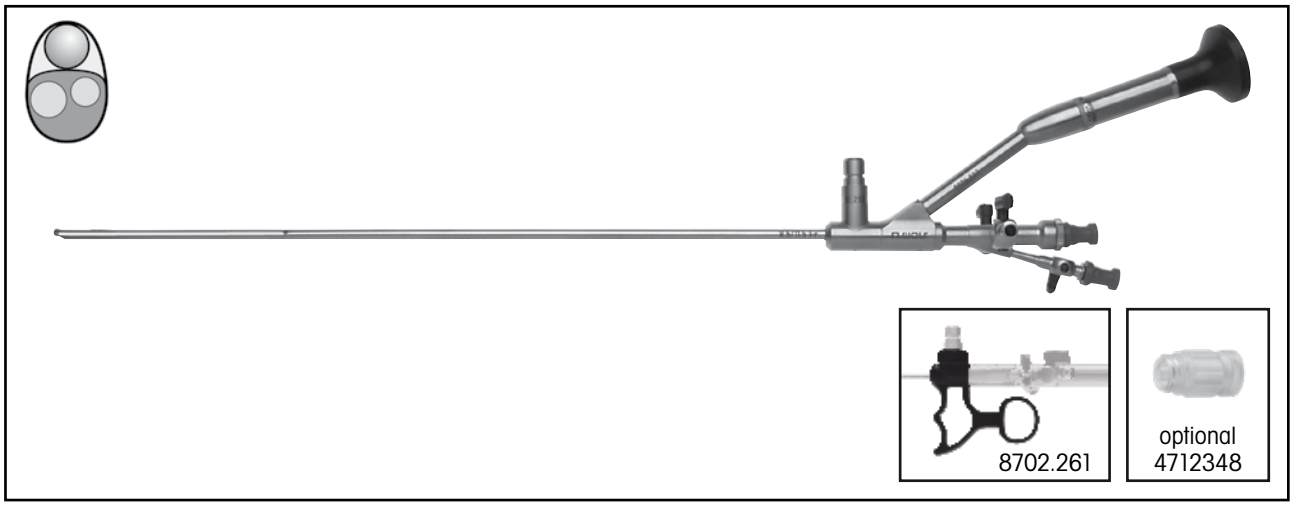
consisting of:

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

Accessory instruments see page 64.

Fiber ureterorenoscope by Marberger

with offset eyepiece



- Stone therapy with laser, ultrasound, electrohydraulic or ballistic lithotripsy
- Rigid accessory instruments can be used through the straight instrument channel
- Use of flexible accessory instruments or two different instruments such as laser fiber or electrohydraulic probe and stone baskets to stabilize and retrieve the concrement

Fiber ureterorenoscope with oval irrigation and instrument channel, including automatic valve for inserting instrument	Working length	Total length	Telescope	Fr.	Irrigation and instrument channel Fr.	for accessory instruments Fr.	Type
Fiber ureterorenoscope by Marberger	430 mm	600 mm	12°	8.5 / 11.5	6.2 x 8.2	1 x 6 or 2 x 4	**8704.524**

Accessories:

Handle **8702.261**

For inserting accessory instruments of 1 – 6 Fr.:

Universal sealing valve, sterile (pack = 5 pcs.) **4712348**

Membrane retainer, standard **15256.393**

Membrane retainer with Luer..... **15256.456**

Membrane seal (pack of 10)..... **89.101**

Fiber light cable set, Ø 2.5 mm, 3.0 m long **806625301**

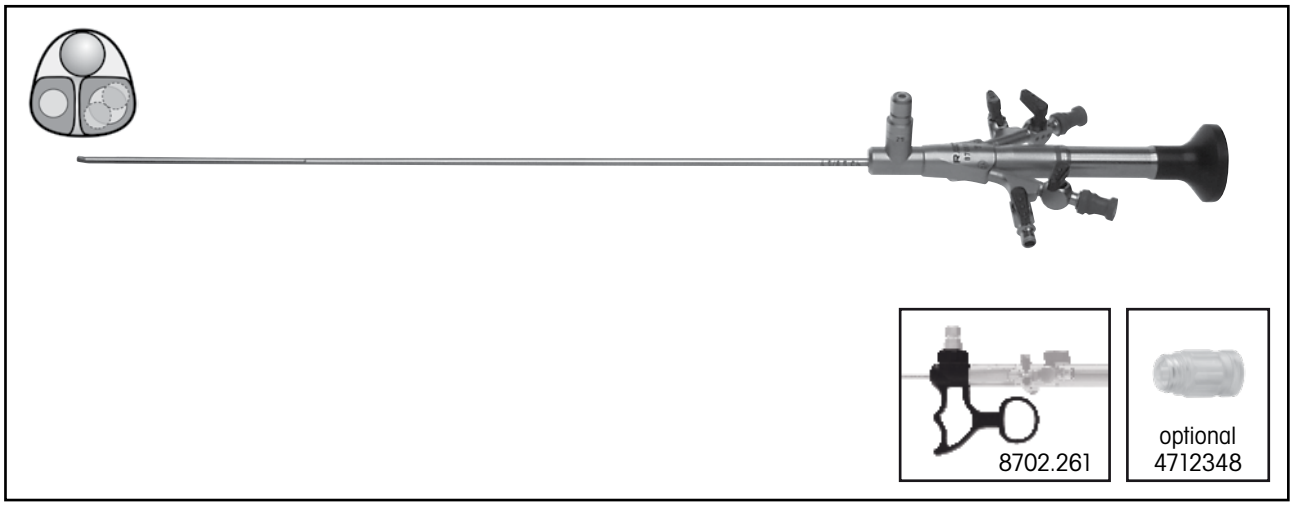
consisting of:

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

Accessory instruments see page 64.

D.O.C. (Dual Operating Channel) ureterorenoscope

with direct view eyepiece



- Optimum view
- Largest working channels—with smallest outer dimensions
- Simultaneous use of two accessory instruments
- No annoying "Flush-back" effect
- High-quality materials for maximum stability and long working life

Continuous-irrigation ureterorenoscope with irrigation and instrument channel	Working length	Total length	Telescope	Fr.	Irrigation and instrument channel Fr.	for accessory instruments Fr.	Type
Continuous-irrigation ureterorenoscope, direct view eyepiece, with 2-channel continuous-irrigation system	430 mm	558 mm	5°	6.5 / 8.5	1 x 4.2 and 1 x 2.55	1 x 4 and 1 x 2.4	**8708.518**
Continuous-irrigation ureterorenoscope, direct view eyepiece, with 2-channel continuous-irrigation system	330 mm	458 mm	5°	6.5 / 8.5	1 x 4.2 and 1 x 2.55	1 x 4 and 1 x 2.4	**8708.517**

Accessories:

Handle **8702.261**

For inserting accessory instruments of 1-6 Fr.:

Universal sealing valve, sterile (pack = 5 pcs.) **4712348**

Fiber light cable set, Ø 2.5 mm, 3.0 m long **806625301**

consisting of:

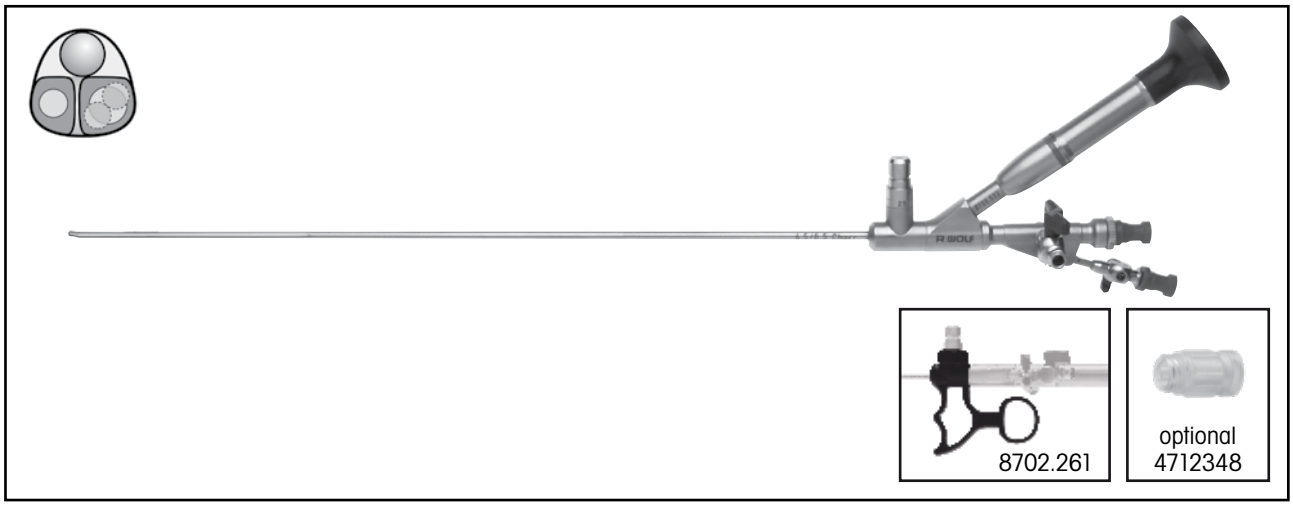
Fiber light cable (80662530), adapter projector side (8095.07) and adapter endoscope side (809509)

Accessory instruments see page 64.

E-line

Continuous-irrigation ureterorenoscope

with oblique eyepiece



- Optimum view
- Largest working channels – with smallest outer dimensions
- Simultaneous use of two accessory instruments
- No annoying "Flush-back" effect
- High-quality materials for maximum stability and long working life

Continuous-irrigation ureterorenoscope with irrigation and instrument channel	Working length	Total length	Telescope	Fr.	Irrigation and instrument channel Fr.	for accessory instruments Fr.	Type
Continuous-irrigation ureterorenoscope, oblique eyepiece, with 2-channel continuous-irrigation system	430 mm	563 mm	5°	6.5 / 8.5	1 x 4.2 and 1 x 2.55	1 x 4 and 1 x 2.4	**8708.534**

Accessories:

Handle **8702.261**

For inserting accessory instruments of 1 – 6 Fr.:

Universal sealing valve, sterile (pack = 5 pcs.) **4712348**

Membrane retainer, standard **15256.393**

Membrane retainer with Luer..... **15256.456**

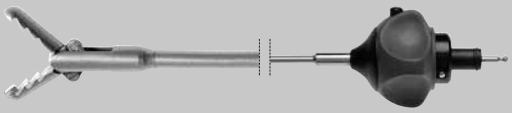
Membrane seal (pack of 10)..... **89.101**

Accessory instruments see page 64.

Rigid accessory instruments

micro modular system HySafe

360° rotatable, flushable, easy click

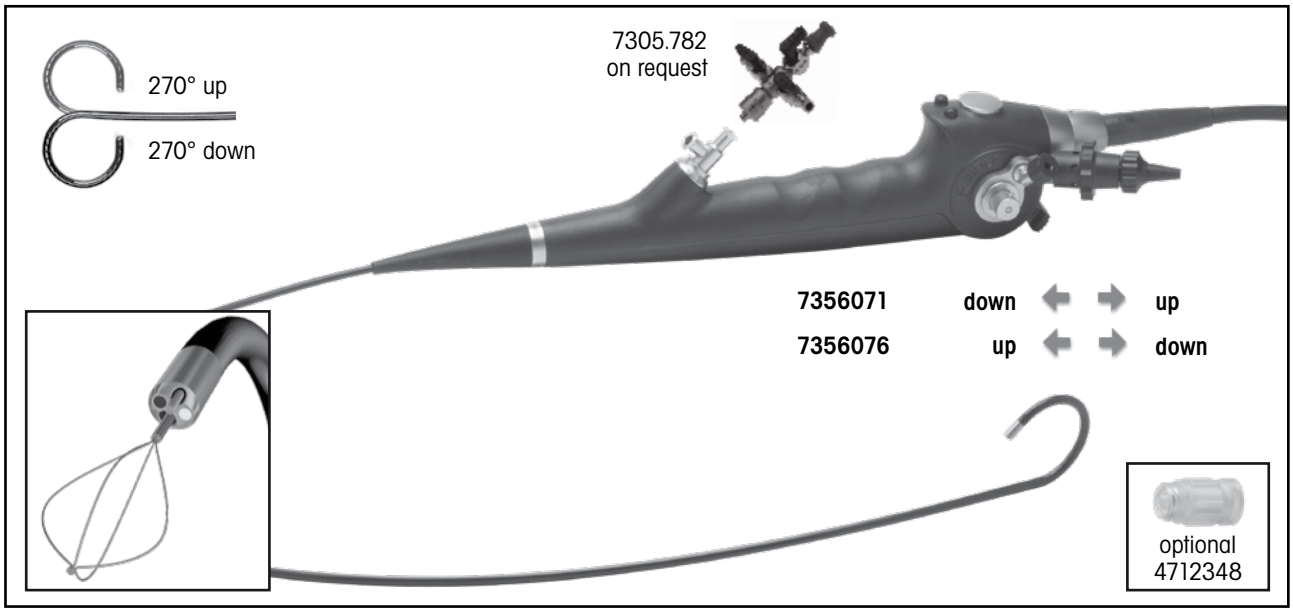
Insert with sheath 	Recommended fields of application	Types	Fr.	WL	Handle with overload protection 	**Complete Instrument** • **Insert with sheath** • **Handle** Types
Biopsy forceps 	Ureterorenoscopy	**8952.6008**	5	550	**8083.001**	**8952.6002**
Grasping forceps with mouse jaws 		**8952.6118**	4	550		**8952.6112**
		8952.6218	**5**	550		**8952.6212**
Grasping forceps with alligator jaws 		**8954.6808**	**5**	550		**8954.6802**
Grasping forceps with alligator jaws 		**8952.6508**	5	550		**8952.6502**
Foreign body grasping forceps 		**8952.6608**	**5**	550		**8952.6602**

URETERORENOSCOPE

COBRA VISION

Flexible 2-channel sensor ureterorenoscopes

for ENDOCAM® Logic HD and 4K Controller



- The only flexible dual channel Sensor URS available in the marketplace
- Laser and irrigation channel 2.4 Fr.
- Laser channel for fibers up to 365 µm
- Large 3.6 Fr. working and irrigation channel for high irrigation
- LED technology for homogeneous illumination
- No separate light source and light cable necessary
- Laser shifter controls movement of the laser fiber
- Optimized channel position for precise positioning of the laser fiber and simple collection of stone concretions: laser channel at 9 o'clock, working channel at 6 o'clock

COBRA vision flexible Sensor URS Set	Ureterorenoscope included in set	WL mm	Fr.	Working and irrigation channels	Viewing direction	Angle of view	Set
consisting of: COBRA vision flexible Sensor URS, 2x irrigation set V (163910), disposable cleaning brush (pack of 10, 7990001), disposable cleaning brush (pack of 10, 7990003), adapter (163914), leak tester (163.903), pressure equalization valve (163.904), clamping element, orange (pack of 20, 15394144)	7356071	680	5.2 / 9.9	Irrigation channel 2.4 Fr. Working and irrigation channel 3.6 Fr.	0°	90°	Movement of the control lever distally - articulation of the tip downward **73560711**
	7356076						Movement of the control lever distally - articulation of the tip upward **73560761**

COBRA VISION

Flexible 2-channel sensor ureterorenoscopes

Technical data

Distal tip	Cylindrical, atraumatic, oblique distal stainless steel tip 5.2 Fr.
Sheath diameter	9.9 Fr.
Number of working channels	2
Working/irrigation channel diameter	3.6 Fr.
Laser/irrigation channel diameter	2.4 Fr.
Angulation	270° upward, 270° downward
Working length	680 mm
Viewing angle	90°
Handle	Integrated LED lighting, ergonomically contoured handle with axial camera cable
Positioning of the working and irrigation channel to the image	at 6 o'clock
Positioning of the laser and irrigation channel to the image	at 9 o'clock
Endoimage	Square, 6-fold size adjustment, automatic light control and focusing
Endocamera	Compatible with all ENDOCAM Logic 4K HD controllers and the ENDOCAM Logic HD / lite Controller

COBRA VISION

Flexible 2-channel sensor ureterorenoscopes

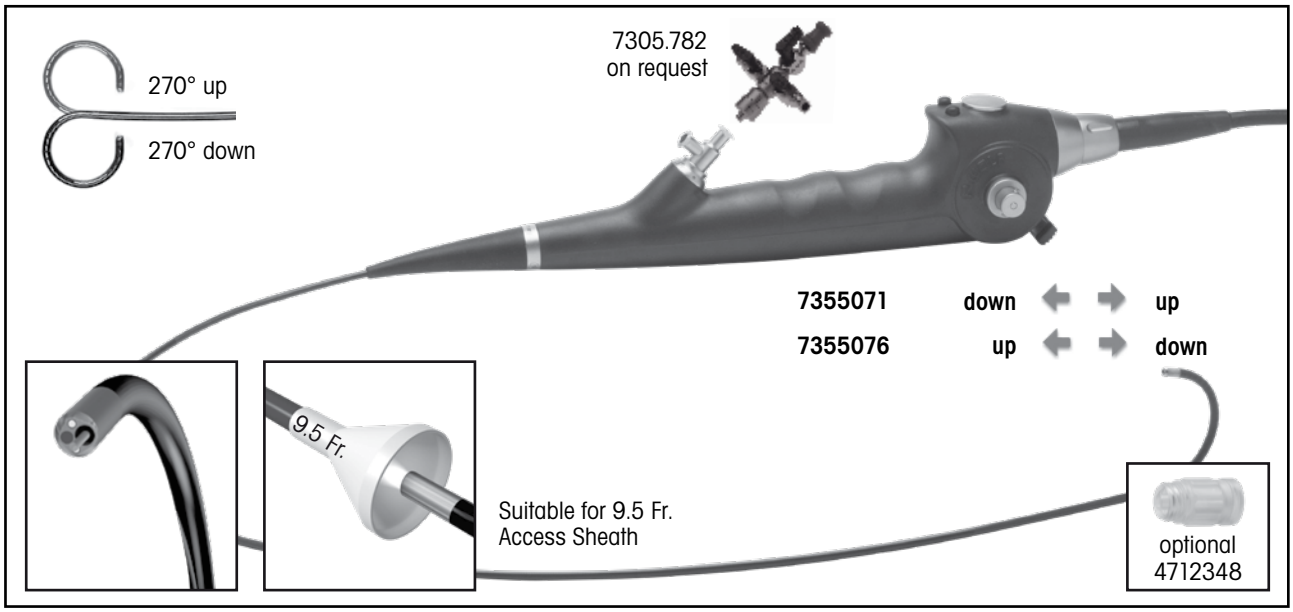
Accessories and auxiliary instruments

	Outer - Ø	WL	Types
Biopsy forceps 	1.0 mm 3 Fr.	920 mm	**829.601**
Foreign body forceps 	1.0 mm 3 Fr.	920 mm	**828.651**
Button electrode 	1.0 mm 3 Fr.	920 mm	**8741.80**
Attachment with instrument insertion tap			**7305.782**
Sterile universal sealing valve (pack of 5) for inserting accessory instruments of 1 – 6 Fr.			**4712348**
For closing the 2nd luer connector: **Luer sealing cap**			**15023205**
Laser adjustment unit, complete			**15369108**
Clamping element, orange (pack of 20)			**15394144**
Rinsing set V with double luer lock tube connector			**163.910** (2x)

BOA VISION

Flexible 1-channel sensor ureterorenoscopes

for ENDOCAM® Logic HD and 4K Controller



- The only flexible Sensor URS which fits through a 9.5 Fr. access sheath
- Universal single channel Sensor URS
- Large 3.6 Fr. working and irrigation channel for high-performance
- LED technology for homogeneous illumination
- No separate light source and light cable necessary
- Slimline and continuously cylindrical sheath
- Optimized channel position for precise working: working channel at 9 o`clock

BOA vision flexible Sensor URS Bundle	Ureterorenoscope included in set	WL mm	Fr.	Working and irrigation channels	Viewing direction	Angle of view	Set
consisting of: BOA vision flexible Sensor URS, irrigation set V (163910), disposable cleaning brush (pack of 10, 7990001), leak tester (163.903), pressure equalization valve (163.904)	7355071	680	6.6 / 8.7	Working and irrigation channel 3.6 Fr.	0°	90°	Movement of the control lever distally - articulation of the tip downward **73550711**
	7355076						Movement of the control lever distally - articulation of the tip upward **73550761**

BOA VISION

Flexible 1-channel sensor ureterorenoscopes

Technical data

Distal tip	Cylindrical, atraumatic, oblique distal stainless steel tip 6.6 Fr.
Sheath diameter	8.7 Fr.
Number of working channels	1
Working/irrigation channel diameter	3.6 Fr.
Angulation	270° upward, 270° downward
Working length	680 mm
Viewing angle	90°
Handle	Integrated LED lighting, ergonomically contoured handle with axial camera cable
Positioning of the working and irrigation channel to the image	at 6 o'clock
Endoimage	Square, 6-fold size adjustment, automatic light control and focusing
Endocamera	Compatible with all ENDOCAM Logic 4K HD controllers and the ENDOCAM Logic HD / lite Controller

BOA VISION

Flexible 1-channel sensor ureterorenoscopes

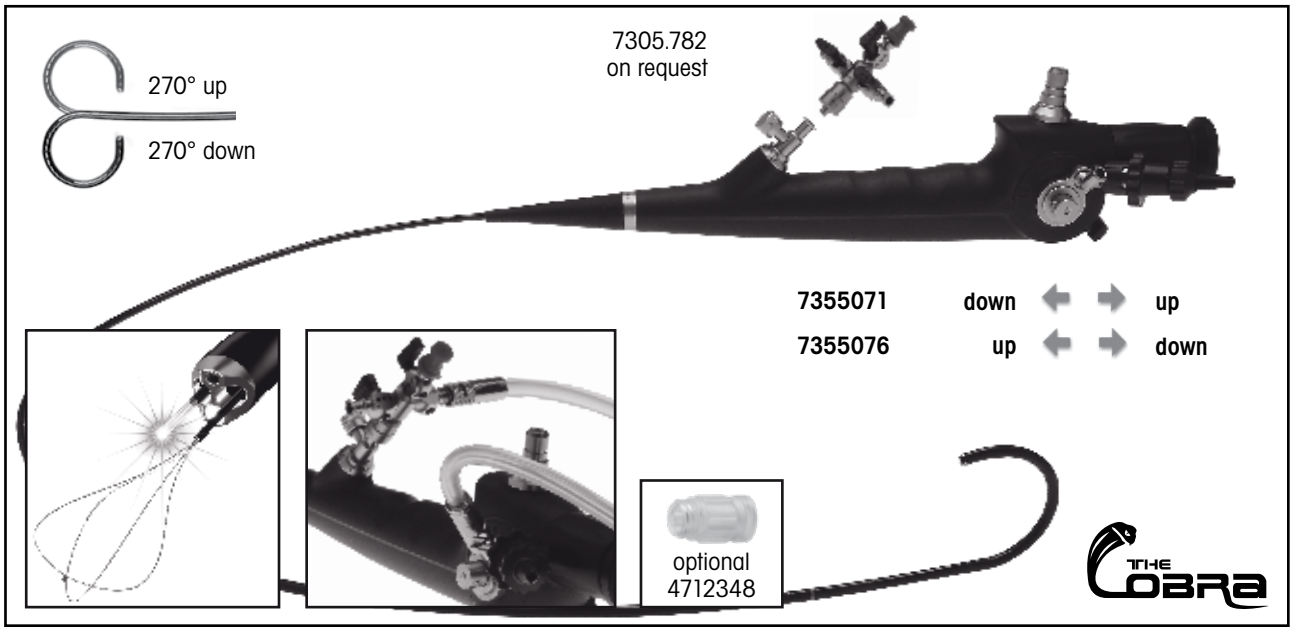
Accessories and auxiliary instruments

	Outer - Ø	WL	Types
Biopsy forceps 	1.0 mm 3 Fr.	920 mm	**829.601**
Foreign body forceps 	1.0 mm 3 Fr.	920 mm	**828.651**
Button electrode 	1.0 mm 3 Fr.	920 mm	**8741.80**
Attachment with instrument insertion tap			**7305.782**
Sterile universal sealing valve (pack of 5) for inserting accessory instruments of 1 – 6 Fr.			**4712348**
Adapter for automatic leak test			**163.905**
For closing the 2nd luer connector: **Luer sealing cap**			**15023205**
Rinsing set V with double luer lock tube connector			**163910**

URETERORENOSCOPE

THE COBRA

Flexible fiber 2-channel continuous-irrigation laser-uretero-renoscopes



First flexible 2-channel laser uretero-renoscope!

- ❏ Laser channel for fibers up to 365µm
- ❏ Simple control of the laser fiber with special laser shifter
- ❏ Best picture quality thanks to continuous irrigation
- ❏ Faster working without constantly changing between laser fiber and stone basket, because both can be used at the same time
- ❏ 2-channel to provide option of continuous irrigation or dual irrigation
- ❏ Brake mechanism for locking the instrument tip

2-channel laser ureterorenoscope set	Ureterorenoscope included in set	WL mm	Fr.	Working and irrigation channels	Viewing direction	Angle of view	Set
consisting of: 2-channel laser URS, spring piece for laser fiber, orange (pack of 20) (15394144), gas steri valve (163.904), leak tester with bayonet connection (163.903), cleaning adapter (163914), disposable cleaning brush (pack of 10, 7990001)	7326071	680	6 / 9.9	2 x 3.3 Fr.	0°	85°	Forward movement of the control lever - downward movement of the tip **732607111**
	7326076						Forward movement of the control lever - upward movement of the tip **732607611**

Accessories:
Fiber light cable set, Ø 2.5 mm, 3.0 m long **806625301**
Consisting of:
Fiber light cable (80662530), adapter projector side (8095.07) and adapter endoscope side (809509)

URETERORENOSCOPE

THE COBRA

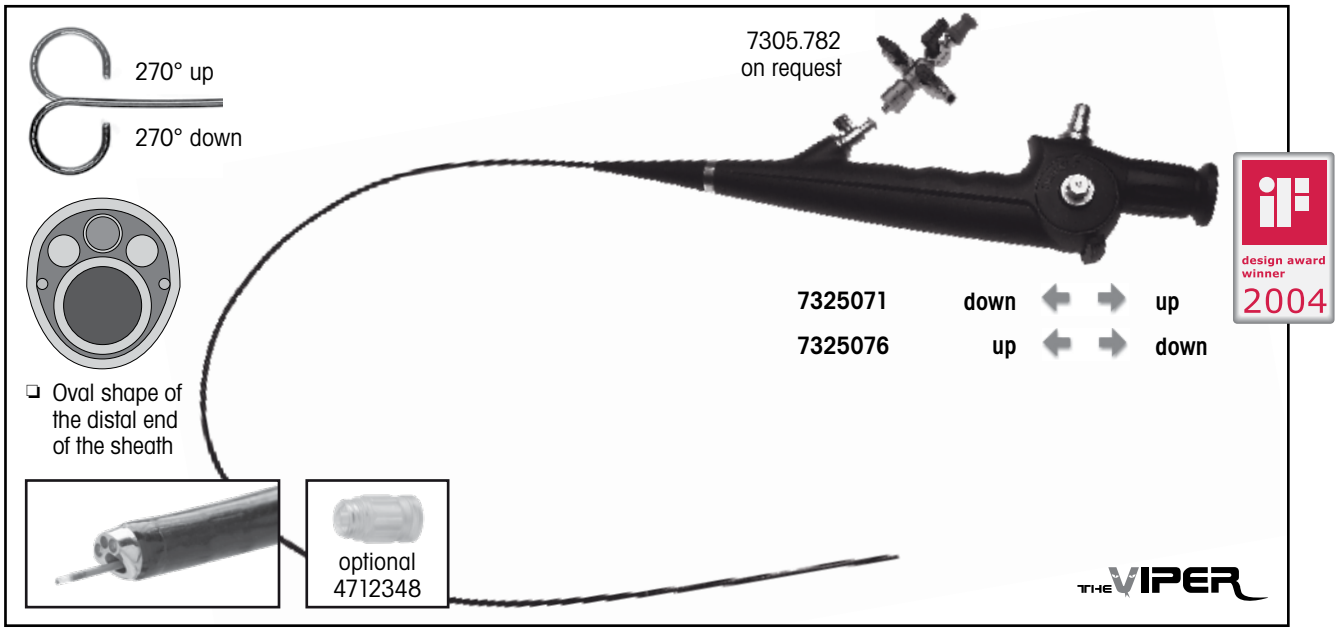
Accessories and accessory instruments

For flexible 2-channel continuous-irrigation laser URS

	Outer - Ø	WL	Types
Biopsy forceps 	1.0 mm 3 Fr.	920 mm	**829.601**
Foreign body forceps 	1.0 mm 3 Fr.	920 mm	**828.651**
Button electrode 	1.0 mm 3 Fr.	920 mm	**8741.80**
Attachment with instrument insertion tap			**7305.782**
Sterile universal sealing valve (pack of 5) for inserting accessory instruments of 1 – 6 Fr.			**4712348**
For closing the 2nd luer connector: **Luer sealing cap**			**15023205**
Laser adjustment unit, complete			**15369108**
Clamping element, orange (pack of 20)			**15394144**
Rinsing set V with double luer lock tube connector			**163910** (2x)

THE VIPER

Flexible fiber ureterorenoscopes 270°



- ❏ Atraumatic adapted instrument tip
- ❏ Design Award Winner 2004
- ❏ Ergonomical handle design
- ❏ A convincing image
- ❏ Active angulation of 270° in either direction and additional passive angulation
- ❏ Universal Luer connector

Flexible fiber ureterorenoscope 270° set	Ureterorenoscope included in set	WL mm	Fr.	Working and irrigation channels	Viewing direction	Angle of view	Set
consisting of: Flexible fiber URS, leak tester with bayonet connection (163.903), gas steri valve (163.904), disposable cleaning brush (pack of 10, 799001) and case	7325.071	680	6 / 9.6	3.6 Fr.	0°	85°	Forward movement of the control lever - downward movement of the tip **73250715**
	7325.076						Forward movement of the control lever - upward movement of the tip **73250765**

Accessories:

Fiber light cable set, Ø 2.5 mm, 3.0 m long **806625301**

Consisting of:

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

THE VIPER

Accessories and accessory instruments

For flexible fiber uretero-renoscope 270°

	Outer - Ø	WL	Types
Biopsy forceps 	1.0 mm 3 Fr.	920 mm	**829.601**
Foreign body forceps 	1.0 mm 3 Fr.	920 mm	**828.651**
Button electrode 	1.0 mm 3 Fr.	920 mm	**8741.80**
Attachment with instrument insertion tap 			**7305.782**
Sterile universal sealing valve (pack of 5) for inserting accessory instruments of 1 – 6 Fr. 			**4712348**
For closing the 2nd luer connector: **Luer sealing cap** 			**15023205**
Rinsing set V with double luer lock tube connector 			**163910**

URETERORENOSCOPE

Forceps and Scissors, flexible

for ureterorenoscopes

		Working length	Fr.	Types
	**Biopsy forceps**	920 mm	3	**829.601**
	**Biopsy forceps**	550 mm	3.5	**8953.60**
	**Biopsy forceps**	600 mm	4	**8734.606**
	**Biopsy forceps**	850 mm	4	**8734.608**
	**Biopsy forceps**	550 mm	5	**829.051**
	**Foreign body forceps**	920 mm	3	**828.651**
	**Grasping forceps**	600 mm	4	**8734.656**
	**Grasping forceps**	850 mm	4	**8734.658**
	**Grasping forceps, mouse-tooth**	600 mm	4	**8734.686**
		550 mm	5	**8735.685**
	**Grasping forceps,**	545 mm	5	**8950.66**
	**Grasping forceps**	550 mm	5	**828.051**
	Flexible scissors for slitting strictures, retrograde cutting action	225 mm	5	**8950.28**

Percutaneous low-pressure universal nephroscopes

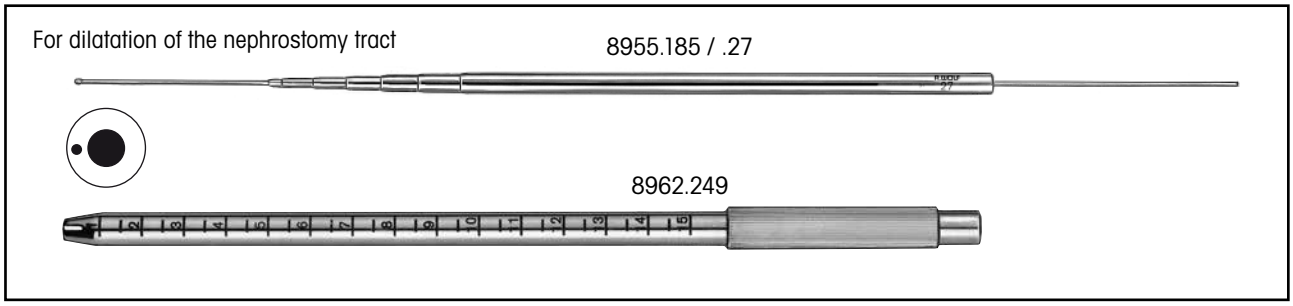


For examination, stone extraction, ultrasound litholapaxy or electro-hydraulic lithotripsy.

- PANOVIEW operating telescope with oval instrument channel and laterally mounted eyepiece or obliquely offset eyepiece
- Optimum view of probes or forceps even in very constricted areas
- Oval irrigation and probe channel
- PANOVIEW telescopes for examination of the calyceal system
- Sheaths with irrigation outlets at the distal tip and rotatable, maintenance-free irrigation tap
- Hollow obturator for use over a J-guide wire
- Large lumen operating tubes
- Ultrasound sonotrodes in various sizes
- Sturdy grasping forceps and stone extractors

Dilators and fascia scalpel

for percutaneous low-pressure
universal nephroscopes



Telescope dilator

for use over a J-guide wire

consisting of:

1 hollow guide rod 6 Fr. (8955.06),

4 telescope dilators 9 - 18 Fr. **8955.185**

7 telescope dilators 9 - 27 Fr. **8955.27**

on request:

Dilator, for "one-step" dilatation, length 320 mm

12 Fr. **8968.012**

15 Fr. **8968.015**

Dilator, 30 Fr.

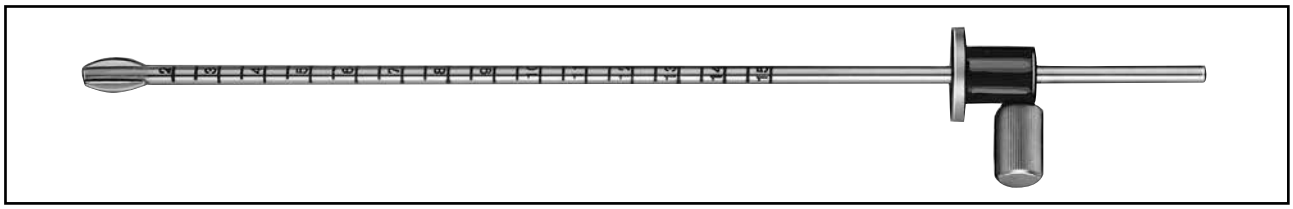
to fit over 27 Fr. dilator of 8955.27 ..... **8955.308**

Dilatation guide rod, 9 Fr.

with larger internal diameter for introducing a second guide wire **8962.19**

Bougie, 24 Fr.

for introducing a second guide wire, used over the 15 Fr. dilator **8962.249**



Percutaneous fascia scalpel (knife by Kort) **8962.72**

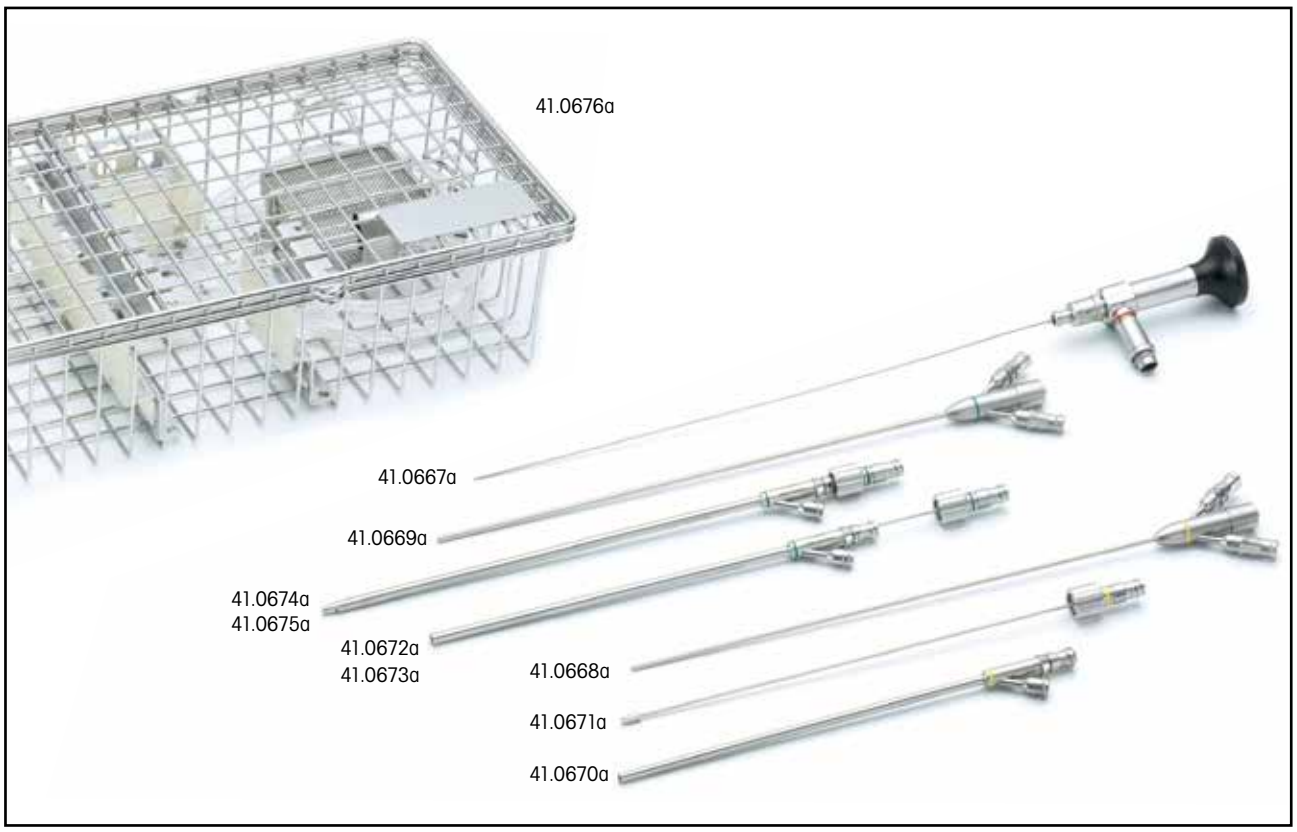
for use over a guide wire

It is often difficult, particularly with patients who have already undergone surgery, to dilate the nephrostomy tract to 24 or 26 Fr., because the scar tissue is usually hard and inelastic. Cold slitting of this tissue makes access much easier.

The subsequent dilatation then only involves the transparenchymatous area of the kidney.

Ultra-Mini PCNL (UMP) Set

Efficiency in a new size.



- High stone-free rate with low pressure and integrated, high-flow irrigation sheath.
- Small, 4 mm incision.
- Gentle and atraumatic intervention—the small puncture causes minimal dilation of the tissue.
- Lightweight design.
- Specially designed, state-of-the-art access sheath with water jet channel for creating turbulence of fragments and high pressure.
- Excellent image quality and outstanding color reproduction.

UMP Bundle

Ultra-Mini Nephroscope, all sheaths and obturators, cleaning basket, cleaning brush set, and sealing caps **41.0665a**

UMP–Optic Irrigation Tube **41.0666a**

UMP–Ultra-Mini Nephroscope, 3.0 Fr.

260 mm working length, autoclavable, 0° direction of view, 85° field of view **41.0667a**

UMP–6 Fr., Inner Sheath

220 mm working length **41.0668a**

UMP–Water Jet Sheath, 11 Fr.

150 mm working length **41.0670a**

UMP–Obturator for Water Jet Sheath, 11 Fr.

150 mm working length **41.0671a**

UMP–7.5 Fr., Inner Sheath

220 mm working length **41.0669a**

UMP–Water Jet Sheath, Standard, 13 Fr.

150 mm working length **41.0672a**

UMP–Obturator for Water Jet Sheath, Standard, 13 Fr.

150 mm working length **41.0673a**

UMP–Water Jet Sheath, Long, 13 Fr.

180 mm working length **41.0674a**

UMP–Obturator for Water Jet Sheath, Long, 13 Fr.

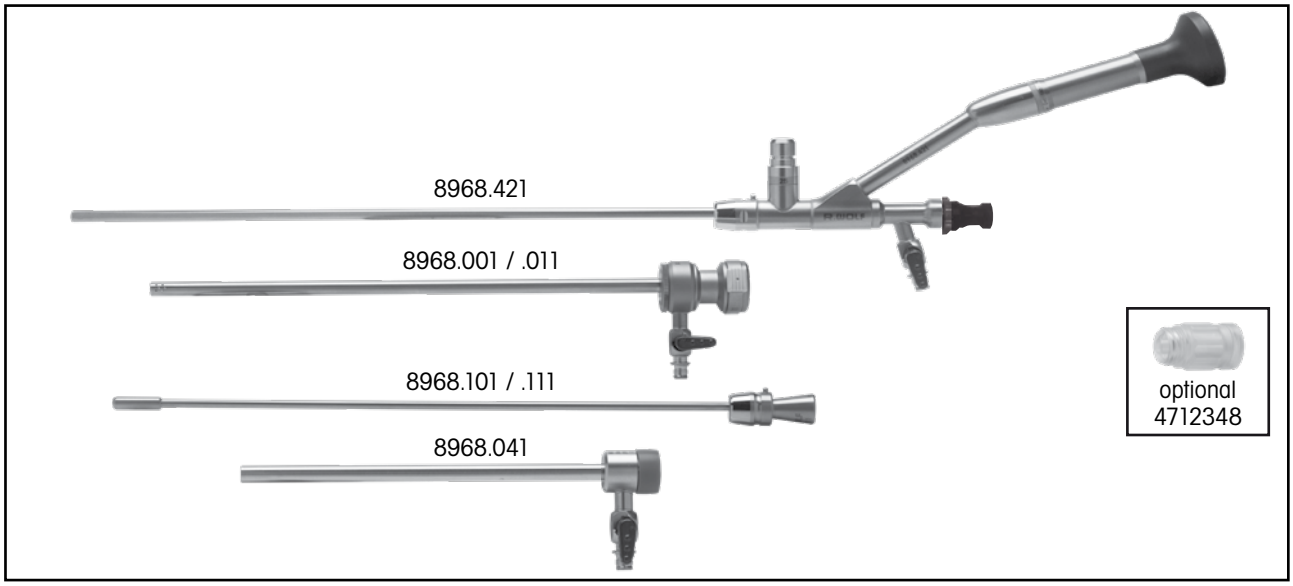
180 mm working length **41.0675a**

UMP–Cleaning Basket **41.0676a**

UMP–Cleaning Brush Set **41.0677a**

UMP–Sealing Cap for Laser Channel **41.0678a**

Miniature nephroscope
15 / 18 Fr. by Lahme



- For large lower pole caliceal stones as an alternative to ESWL
- Can be used with Amplatz sheaths as of 13 Fr.
- Stainless steel special bougies for time-saving "one-step" dilatation
- Automatic seal between sheath and telescope
- Fast and safe introduction of accessory instruments thanks to automatic seal on working channel
- Low pressure PCNL by using Amplatz sheath
- Simple flush out of stone concretions

PANOVIEW OP telescope **8968.421**
with laterally offset eyepiece, viewing direction 12°, outer Ø 12 Fr., 6 Fr. working channel,
automatic valve with sealing membrane, WL 225 mm
also:
Sterile universal sealing valve, pack of 5 ..... **4712348**

Recommended light cable:
Fiber light cable set **806625301**
Ø 2.5 mm, 3.0 m long consisting of:
Fiber light cable (80662530), adapter projector side (8095.07) and adapter endoscope side (809509)

Sheath, round, WL 205 mm, with swivel irrigation ring, distal tip straight, automatic connector,
15 Fr. **8968.001**
18 Fr. **8968.011**
also:
Obturator, hollow
for sheath 8968.001 ..... **8968.101**
for sheath 8968.011 ..... **8968.111**

Amplatz sheath,
18 Fr., WL 150 mm **8968.041**

NEPHROSCOPES

Accessory instruments

for miniature nephroscope
15 / 18 Fr. by Lahme



8968.012 / .015



Dilator **8968.012**

12 Fr. for "one-step" dilatation, length 320 mm

Dilator **8968.015**

15 Fr. for "one-step" dilatation, length 320 mm

Note:
Telescope dilators can, of course, also be used. For more detailed information, refer to page 77.

		WL	Ø	Types
	HySafe **Grasping forceps** with mouse jaws	425 mm	5 Fr.	**8959.6212**
	**Flexible foreign body forceps**	365 mm	6 Fr.	**8968.671**
	Spare stone grasper for 8968.671			**8968.675**
	HySafe **Grasping forceps** with alligator jaws	410 mm	6 Fr.	**8968.6802**

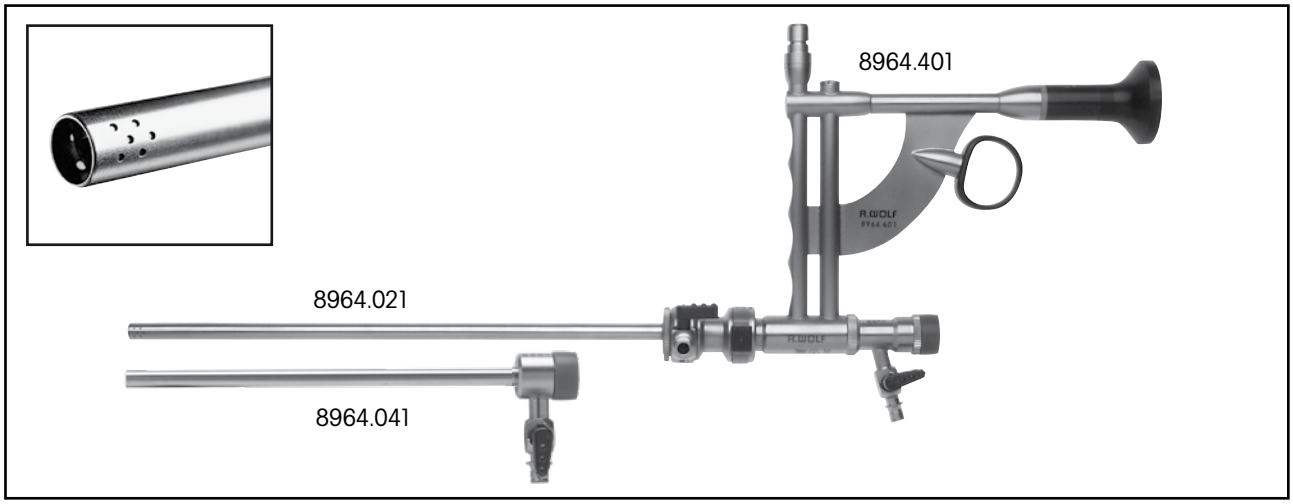
Sterile universal sealing valve **4712348**

Membrane retainer, standard **15256.393**

Membrane retainer with Luer connector **15256.456**

Membrane seal (pack of 10) **89.101**

20.8 Fr. percutaneous universal nephroscope model "Dresden"



- Extremely small sheath circumference – but the same sturdy construction
- Large oval working channel, 14 Fr., for accessory instruments up to Ø 3.5 mm such as the standard ultrasound sonotrodes –with effective irrigation
- PANOVIEW rod lens system – for optimum image quality
- Ergonomic design and user-friendly automatic valve – for fatigue-free operation and optimum handling

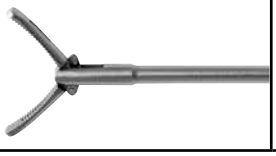
PANOVIEW operating telescope **8964.401**
with parallel eyepiece, 12°, capacity 3.5 mm, oval instrument channel, WL 224 mm (8964.401), automatic valve (8964.711) with sealing membrane (pack of 5, 89.102), sealing cap blue (89.02), cleaning brush (6.05)
recommended light cable:
Fiber light cable set, Ø 3.5 mm, 3.0 m long **806635301**
consisting of:
Fiber light cable (80663523), adapter projector-side (8095.07) and adapter endoscope-side (809509)

Sheath, 20.8 Fr. **8964.021**
round, with swivel irrigation connector, distal tip straight, automatic locking mechanism, WL 204 mm
also:
Obturator, hollow **8964.121**
alternative:
Sheath, 24 Fr. **8965.041**
round, with swivel irrigation connector, distal tip straight, automatic locking mechanism, WL 204 mm
Obturator, hollow **8965.141**

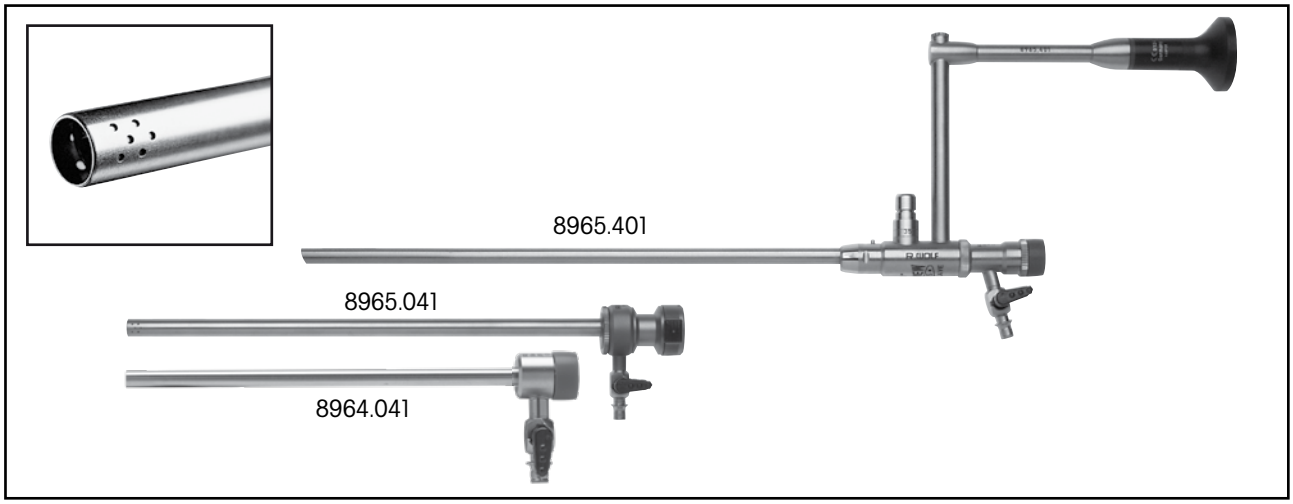
Amplatz sheath, 24.3 Fr., WL 150 mm **8964.041**
Sealing membrane retainer **15176.100**

Accessory Instruments

for 20.8 Fr. percutaneous universal nephroscope
model "Dresden"

		WL	Ø	Types
	HySafe **Stone grasping forceps**	355 mm	9 Fr.	**8962.6022**
	**Stone grasper**, 3-pronged	350 mm	3.5 mm	**8964.671**
	Spare stone grasper, 3-pronged			**8964.675**
	HySafe **Grasping forceps** with alligator jaws	350 mm	10.5 Fr.	**8962.6102**

24 Fr. percutaneous universal nephroscopes



- Large oval working channel for accessory instruments up to 3.5 mm diameter while maintaining efficient irrigation
- PANOVIEW rod lens system - for optimum image quality
- User-friendly with continuous-irrigation option, swivel irrigation ring on the sheath and automatic valve
- Extended working length – suitable for obese patients

PANOVIEW operating telescope **8965.401**
with parallel eyepiece, viewing direction 20°, capacity 3.5 mm, oval instrument channel,
WL 224 mm (8965.401), automatic valve (8964.711) with sealing membrane (pack of 5, 89.102),
sealing cap blue (89.02), cleaning brush (6.05)

PANOVIEW operating telescope **8965.411**
with oblique eyepiece, viewing direction 20°, capacity 3.5 mm, oval instrument channel,
WL 224 mm (8965.411), automatic valve (8964.711) with sealing membrane (pack of 5, 89.102),
sealing cap blue (89.02), cleaning brush (6.05)

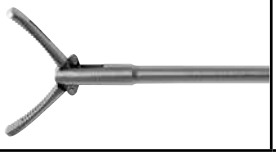
recommended light cable:
Fiber light cable set, Ø 3.5 mm, 3.0 m long **806635301**
consisting of:
Fiber light cable (80662530), adapter projector side (8095.07) and adapter endoscope side (809509)

Sheath, 24 Fr.
round, with swivel irrigation connector, distal tip straight, automatic locking mechanism, WL 204 mm **8965.041**
Obturator, hollow **8965.141**
Amplatz sheath, 24.3 Fr., WL 150 mm **8964.041**
Sealing membrane retainer **15176.100**

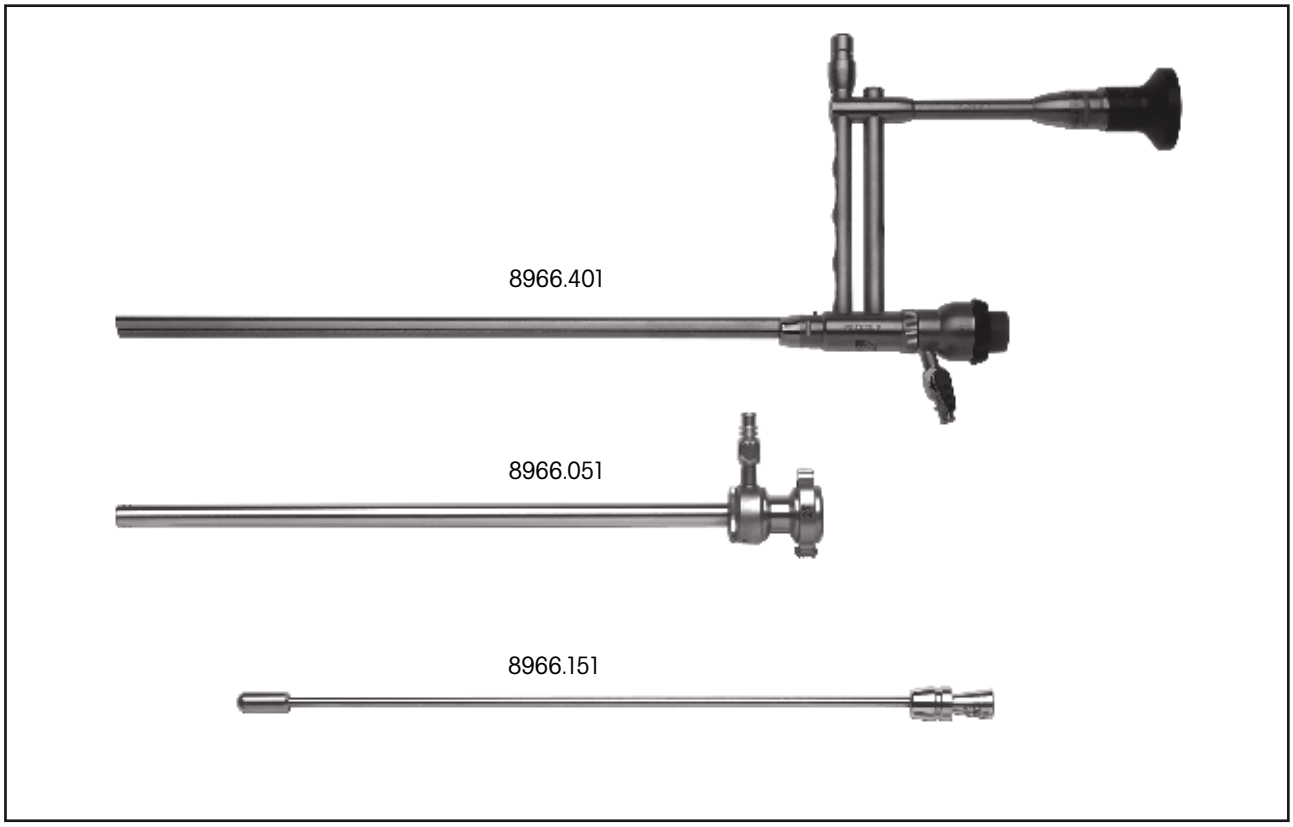
Option for optical percutaneous ureterotomy:
Working insert, for stricture scalpels **8667.911**
PANOVIEW telescope, 0°, Ø 4 mm **8650.414**
Stricture scalpel with ceramic blade, lancet blade **8667.981**

Accessory instruments

for 24 Fr. percutaneous universal nephroscopes

		WL	Ø	Types
	HySafe **Stone grasping forceps**	355 mm	9 Fr.	**8962.6022**
	**Stone grasper**, 3-pronged	350 mm	3.5 mm	**8964.671**
	Spare stone grasper, 3-pronged			**8964.675**
	HySafe **Grasping forceps** with alligator jaws	350 mm	10.5 Fr.	**8962.6102**

27 Fr. Extra long percutaneous universal nephroscope



PANOVIEW operating telescope set, 12° **8966.4011**
also suitable for obese patients, with parallel eyepiece, with oval working channel for accessory instruments up to 4 mm diameter, WL 250 mm
consisting of:
PANOVIEW operating telescope (8966.401), automatic valve with sealing membrane (10 pieces / 89.103), sealing cap, blue (89.02) and sealing lid (15176.106)

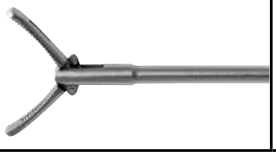
recommended light cable:
Fiber light cable set, Ø 3.5 mm, 3.0 m long **806635301**
consisting of:
Fiber light cable (80663523), adapter projector-side (8095.07) and adapter endoscope-side (809509)

Operating sheath **8966.051**
round, with swivel irrigation connector, distal tip straight,
automatic locking mechanism,
27 Fr., WL 230 mm

Obturator, hollow **8966.151**

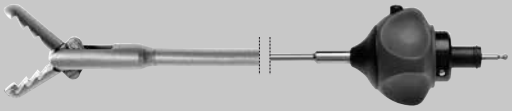
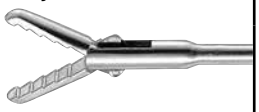
27 Fr. Extra long accessory instruments

for percutaneous universal nephroscope
long version for obese patients

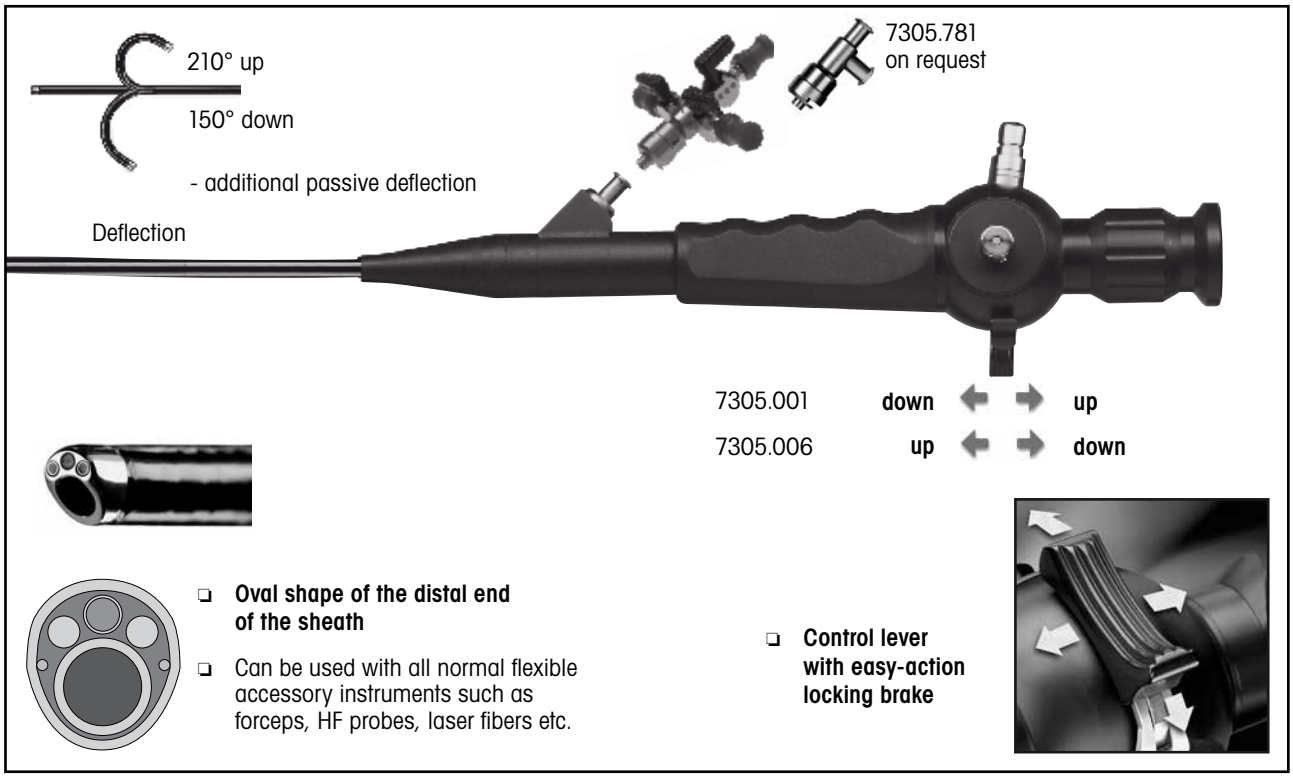
		WL	Ø	Types
	HySafe **Stone grasping forceps**	355 mm	9 Fr.	**8962.6022**
	**Stone grasper**, 3-pronged	350 mm	3.5 mm	**8964.671**
	Spare stone grasper, 3-pronged			**8964.675**
	HySafe **Grasping forceps** with alligator jaws	350 mm	10.5 Fr.	**8962.6102**

Rigid accessory instruments

forceps and scissors, micro modular system HySafe
360° rotatable, flushable, easy click

Insert with sheath 	Recommended fields of application	Types	Fr.	WL	Handle with overload protection 	**Complete Instrument** • **Insert with sheath** • **Handle** Types
Stone grasping forceps with alligator jaws 	Nephroscopy	8962.6008	10.5	350	**8083.001**	**8962.6002**
		8962.6048	12	340		**8962.6042**
Stone grasping forceps angled distal tip, with alligator jaws 		8962.6028	9	355		**8962.6022**
Grasping forceps with alligator jaws 		8962.6108	**10.5**	350		**8962.6102**
Stone grasping forceps with finely serrated jaws, peanut shape 		8962.6078	**12**	340		**8962.6072**
Stone grasping forceps 		8962.6058	12	340		**8962.6052**
Grasping forceps with alligator jaws 		8968.6808	**6**	410		**8968.6802**

Flexible fiber-urethro-cystoscope
5 mm / 15 Fr.
Channel 2.5 mm / 7.5 Fr.



- ❑ **Oval shape of the distal end of the sheath**
- ❑ Can be used with all normal flexible accessory instruments such as forceps, HF probes, laser fibers etc.

- ❑ **Control lever with easy-action locking brake**

- ❑ Safe and atraumatic passage through the urethra is provided by the oblique distal tip
- ❑ Reduced weight and ergonomic design for optimal handling and less strain on the operator
- ❑ 0° viewing direction, 120° angle of view

Flexible Fiber Urethro-Cystoscope Set	included in set Fiber-urethro-cystoscope	Outer diameter	Instrument channel	Working length	Set
consisting of: Fiber-urethro-cystoscope, instrument port (7305.782), leak tester (163.903), gas sterilization valve (163.904), disposable cleaning brush (7990002), case	7305.001	5 mm 15 Fr.	2.5 mm 7.5 Fr.	400 mm	Forward movement of the control lever provides downward movement of the tip **730500111**
	7305.006				Forward movement of the control lever provides upward movement of the tip **730500611**

Accessories:

Fiber light cable set, Ø 2.5 mm, 3.0 m long **806625301**

Consisting of:

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

Accessory instruments see next page.

Accessory instruments for flexible fiber nephroscope

	Outer - Ø	WL	Types
Biopsy forceps Extra long jaws to obtain a larger specimen 	1.6 mm 5 Fr.	550 mm	**829.051**
Mouse-tooth grasping forceps, Safe and effective grasping with mouse-tooth geometry 	1.6 mm / 5 Fr.	550 mm	**8735.685**
	2.0 mm / 6.5 Fr.	550 mm	**8736.685**
Attachment with 2 Luer connectors, quick-lock mechanism			**7305.781**
Luer sealing cap			**15023205**
Sterile universal sealing valve (pack of 5) for inserting accessory instruments of 1 – 6 Fr.			**4712348**

UreTron



UreTron Full System Single Footswitch Bundle ..... **URT-F-US-SINGLE**

Includes:

UreTron generator ..... URT-G-US
UreTron footswitch single connector ..... URT-FS
UreTron rigid hand piece x2 ..... URT-TR
UreTron wrench ..... URT-W
UreTron cleaning rod ..... URT-CR
UreTron power cord ..... URT-PC-US

UreTron Full System Dual Footswitch Bundle ..... **URT-F-US**

Includes:

UreTron generator ..... URT-G-US
UreTron footswitch dual connector ..... URT-FS-D
UreTron rigid hand piece x2 ..... URT-TR
UreTron wrench ..... URT-W
UreTron cleaning rod ..... URT-CR
UreTron power cord ..... URT-PC-US

Disposables and accessories next page.

UreTron disposables and accessories

Disposables

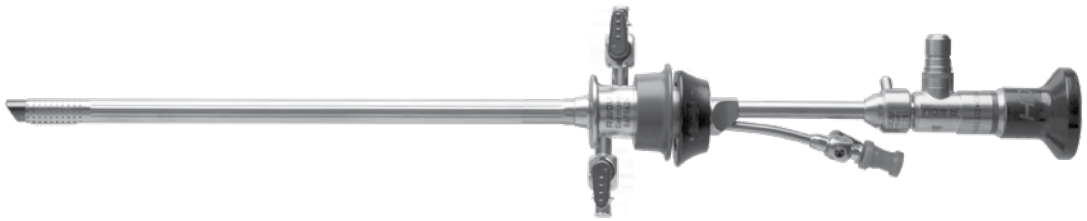
UreTron rigid sterile probe 3.5 x 370 mm URT-PR-3.5-370S
UreTron rigid sterile probe 3.1 x 370 mm..... URT-PR-3.1-370S
UreTron semi-rigid sterile probe 1.9 x 370 mm..... URT-PS-1.9-370S
UreTron semi-rigid sterile probe 1.5 x 370 mm..... URT-PS-1.5-370S
UreTron semi-rigid sterile probe 1.5 x 570 mm..... URT-PS-1.5-570S

Accessories

UreTron suction pinch valve..... URT-SPV
Non-sterile tubing and specimen bottle ..... URT-SPV-Tubing
20.8/24 Fr. UreTron rigid scope connector ..... URT-CK-RW
27 Fr. UreTron rigid scope connector URT-CK-RW-1
15/18 Fr. UreTron semi-rigid scope connector ..... URT-CK-SW
UreTron footswitch dual connector..... URT-FS-D
UreTron footswitch single connector..... URT-FS
UreTron flex hand piece..... URT-TF
UreTron rigid hand piece ..... URT-TR
UreTron wrench..... URT-W
UreTron cleaning rod ..... URT-CR
UreTron power cord ..... URT-PC-US

Shark

GreenLight™ continuous irrigation laser resectoscope side fire lasers



Fr. Color code	Distal tip	Continuous irrigation sheaths, inner sheath with distal ceramic tip		Obturator	Viewing obturator	Dilation obturator
Sheaths		Outer sheath	Inner sheath			
24.5 Fr. green		**8675424**	**8675322**	**8673022**	**8673122**	-
26 Fr. yellow		**8675426**	**8675324**	**8673024**	**8673124**	**8673224**

Working insert for a free control move of the laser fiber without stop. Provides special stabilization of the fiber tip during GreenLight vaporization and others.	Type
Working insert for flexible accessory instruments up to 6.5 Fr.	**8632.284**
also: **Rubber cap**, extended, dark orange (pack of 1)	**18.01**

Ø	Viewing direction	Types	**PANOVIEW telescopes**
4 mm	30°	**8654.422**	HD High Definition
	12°	**8654.431**	

Accessories:

Fiber light cable set, Ø 2.5 mm, 3.0 m long **806625301**

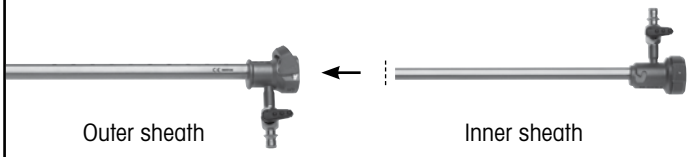
consisting of:

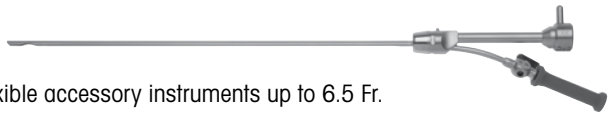
Fiber light cable (80662530), adapter projector-side (8095.07) and adapter endoscope-side (809509)

GreenLight™ continuous irrigation laser cystoscope

especially for the use with side fire laser fibers



Fr. Color code	Distal tip	Continuous irrigation sheaths		Obturator	Viewing obturator
Sheaths		 Outer sheath	Inner sheath		
22.5 Fr. green		**8632.026**	**8632.027**	**8632.126**	**8632.726**

Working insert for a free control move of the laser fiber without stop	Type
  **Working insert** for flexible accessory instruments up to 6.5 Fr.	**8632.914**

Ø	Viewing direction	Types	**PANOVIEW telescopes**
4 mm	30°	**8654.422**	 HD High Definition
	12°	**8654.431**	

Accessories:

Biopsy Forceps, 5 Fr. **829.05**

Fiber light cable set, Ø 2.5 mm, 3.0 m long **806625301**

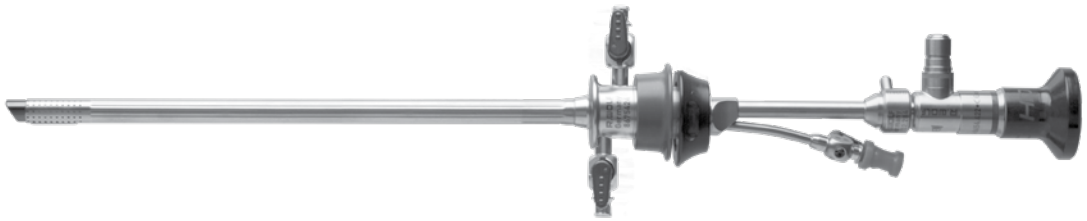
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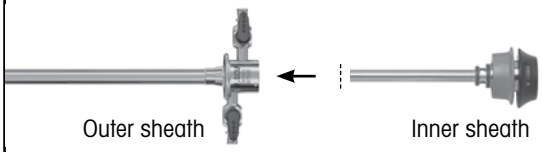
Fiber light cable (80662530), adapter projector-side (8095.07) and adapter endoscope-side (809509)

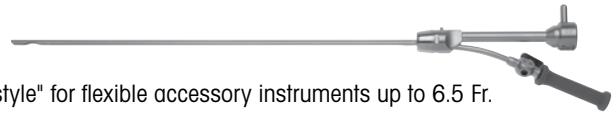
Shark

GreenLight™ continuous irrigation laser resectoscope

especially for the use with side fire laser fibers



Fr. Color code	Distal tip	Continuous irrigation sheaths, inner sheath with distal ceramic tip		Obturator	Viewing obturator	Dilation obturator
Sheaths		 Outer sheath	Inner sheath			
24 Fr. green		**8675424**	**8675322**	**8673022**	**8673122**	-
26 Fr. yellow		**8675426**	**8675324**	**8673024**	**8673124**	**8673224**

Working insert for a free control move of the laser fiber without stop	Type
  **Working insert** "Freestyle" for flexible accessory instruments up to 6.5 Fr.	**8632.914**

Ø	Viewing direction	Types	PANOVIEW telescopes
4 mm	30°	**8654.422**	 HD High Definition
	12°	**8654.431**	

Accessories:

Biopsy Forceps, 5 Fr. **829.05**

Fiber light cable set, Ø 2.5 mm, 3.0 m long **806625301**

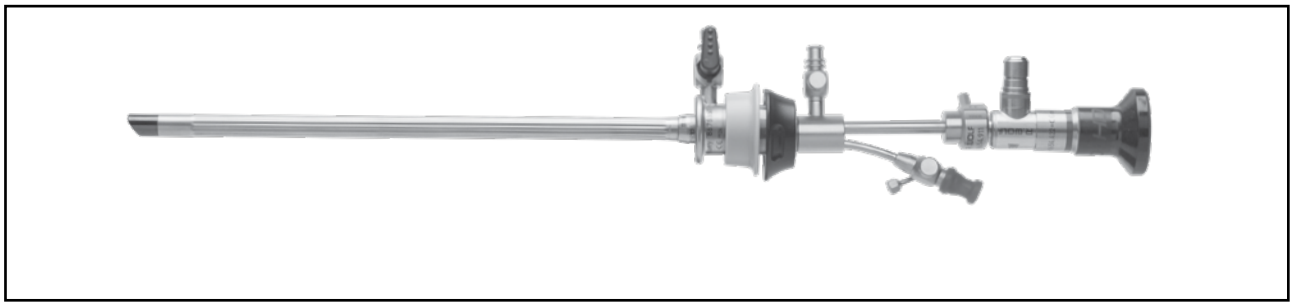
consisting of:

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

Shark

Continuous irrigation working laser insert

for laser probes up to 7.5 Fr.



Fr. Color code	Distal tip	Continuous irrigation sheaths, inner sheath with distal ceramic tip			Obturator	Viewing obturator	Dilation obturator
		Resectoscope sheath	Rotatable irrigation adapter				
Sheaths			 with 4 mm luer connector	 with 3 mm luer connector with stopcock			
24 Fr. yellow		**8676324**	**8676354**	**8676361**	**8673024**	**8673124**	**8673224**
			Two-way stopcock 883.12				

Working insert for continuous-irrigation with port for flexible accessory instruments up to 7.5 Fr.	Type
 **Working insert** for continuous irrigation	**8654.911**

Ø	Viewing direction	Types	**PANOVIEW telescopes**
4 mm	30°	**8654.422**	 HD High Definition
	12°	**8654.431**	

Accessories:

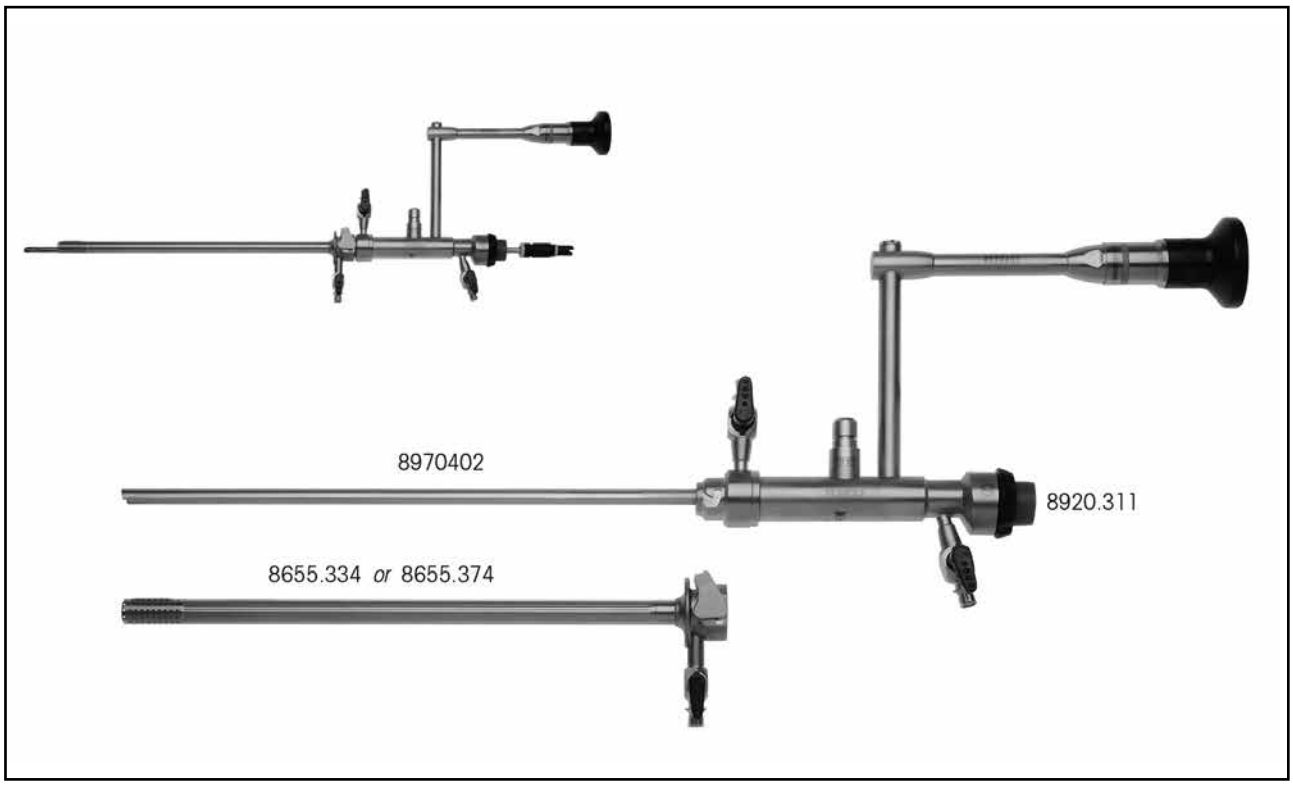
Fiber light cable set, Ø 2.5 mm, 3.0 m long **806625301**

consisting of:

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

PIRANHA Scope

for morcellation after laser enucleation of the prostate



- ❒ Excellent viewing conditions thanks to integrated irrigation channels
- ❒ Reduce overall operating time
- ❒ Reduce the overall costs of Laser TUR-P procedures

PANOVIEW operating telescope set "PIRANHA Scope"

consisting of:

PANOVIEW operating telescope "PIRANHA Scope", direction of view 12°

with parallel eyepiece, capacity 5 mm for auxiliary instruments up to diameter

4.8 mm (8970402), autom. Valve (8920.311), Hand bulb (103.00).

Cleaning brush (6.01) 89704021

Blue O-Ring 15364368

Yellow Scope O-ring collar 9500118

Irrigation Adapter 15461.039

also:

option of continuous-irrigation for use of the

Continuous irrigation outer sheath, 26 Fr 8655.374

Rotation morcellators

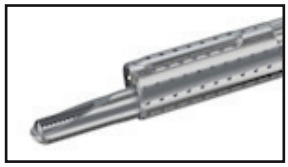
for "MORCE" scope

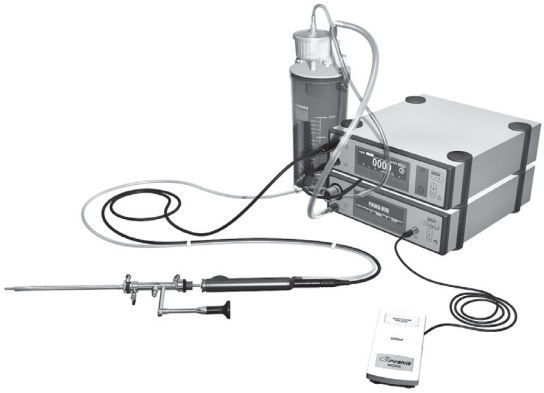
		Outer ø	WL	Types
	**Rotation morcellator**, single use, (pack of 3) packed singly, sterile	4.8 mm	350 mm	**49700113**
	Rotation morcellator, single use, (pack of 3) packed singly, sterile for morcellator telescopes of other manufacturer		385 mm	**49700103**

Piranha

Tissue morcellator

for morcellation after laser enucleation of the prostate





- Enucleation and morcellation without sheath change
- Reduce operating time and costs
- High cutting speed due to oscillating cutting action
- No "Ping-Pong" effect
- Intuitive operation of the instruments and devices

"PIRANHA" suction pump set **22080110**
Suction pump for continuous aspiration of irrigation fluid and enucleated tissue
comprising:
"PIRANHA" Suction Pump, microprocessor controlled high-performance suction pump with LCD display, 100 - 240 V a.c., 50 / 60 Hz (2208011), foot switch (2030108), connecting cable (2208121), bottle holder (64031.381), sound absorber (pack of 10 / 35100115), vacuum tube (8170.6554), bacteria filter (pack of 10 / 2228.901), secretion container 2000 ml (8170.655), power cable (2440.03)

Disposable tube set (pack of 10) **41702208**
Disposable tissue collecting container (pack of 10) **2208120**
optional: **Secretion container** 3000 ml **8170.981**

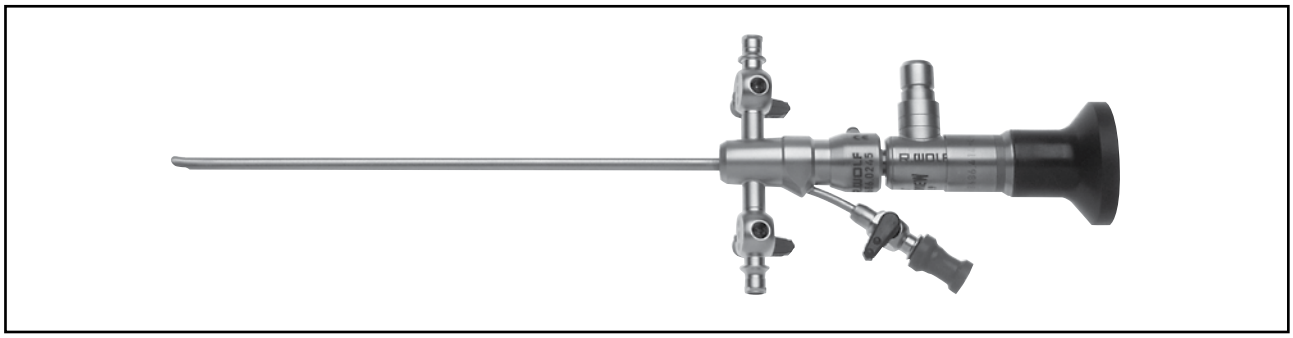
Power Control generator for motor handle, 50/60 Hz, 100-240 V a.c. **2303.001**
Power cable **2440.03**

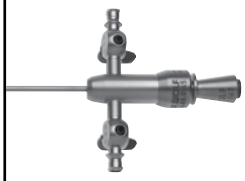
Power Stick M 4-handle **8564121**
motorized handle (8564.021), with connecting cable (8564.851), sealing-bushing - open (15178145), max. 6000 rpm
Rotation morcellator, single use, Ø 4.75 mm, WL 335 mm, (pack of 3), packed singly, sterile **49700113**
consisting of: Outer and inner blade
Rotation morcellator for morcellator telescopes of other manufacturer **49700103**
single use, Ø 4.75 mm, WL 385 mm, (pack of 3), packed singly, sterile
consisting of: Outer and inner blade

E-line

Cysto-urethroscope 8686

for telescope 1.9 mm



Sheaths with obturator					
					
	Fr.	Color code	Capacity (Fr.)	**only for examination**	**1 Instrument port**
8686.0141	7.5	blue	-	• for use with 0° telescope only	
8686.0241	8.5	red	3		•
8686.0341	9.5	yellow	4		•

Ø	Viewing direction	Types	PANOVIEW telescopes
1.9 mm	0°	**8686.414**	 HD High Definition
	25°	**8686.415**	

Accessories:

Fiber light cable set, Ø 2.5 mm, 3.0 m long **806625301**

Consisting of:

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

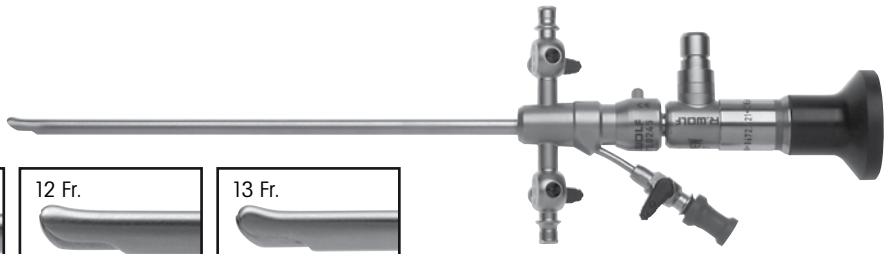
SMALL CALIBER

E-line

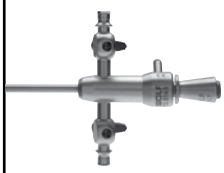
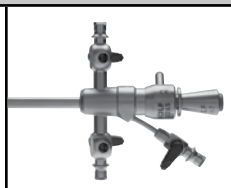
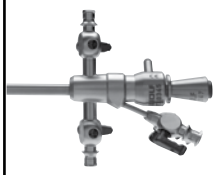
Cysto-urethroscope 8672

for telescope 2.7 mm

For universal use



11 Fr.	12 Fr.	13 Fr.
8672.014	8672.024	8672.034

Sheaths with obturators						
						
	Fr.	Color code	Capacity (Fr.)	**only for examination**	**1 Instrument port**	**2 Instrument ports**
8686.0141	11	red	-	•		
8686.0241	12	green	1 x 4		•	
8686.0341	13	blue	1 x 5 or 2 x 4			•

Ø	Viewing direction	Types	**PANOVIEW telescopes**
2.7 mm	0°	**8672.421**	 HD High Definition
	30°	**8672.422**	
	70°	**8672.425**	

Accessories:

Fiber light cable set, Ø 2.5 mm, 3.0 m long **806625301**

Consisting of:

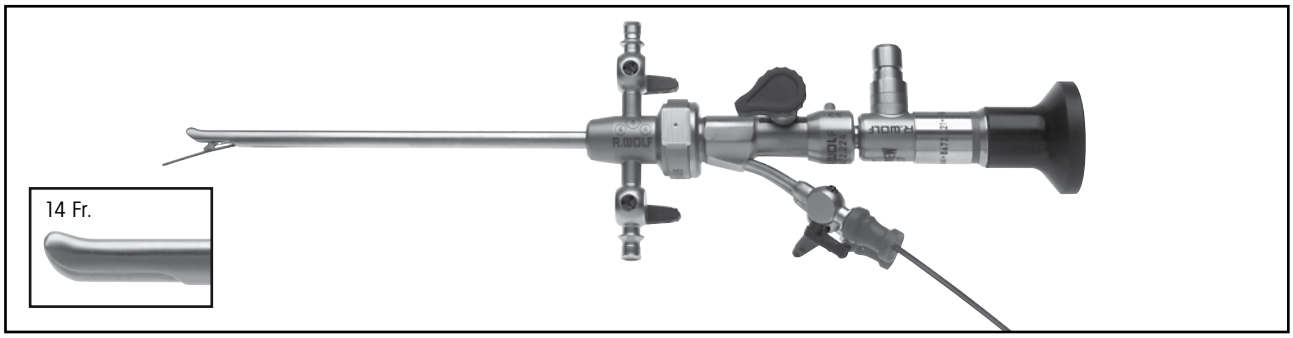
Fiber light cable (80662530), adapter projector side (8095.07) and adapter endoscope side (809509)

SMALL CALIBER

E-line

Cysto-urethroscope 8672

for telescope 2.7 mm



Sheaths with obturators				Adapter	Insert with Albarran deflector	
						
	Fr.	Color code	Capacity (Fr.)	**1 Instrument port**	**1 Instrument port**	**2 Instrument ports**
8672.0441	14	white	5	**8672.264** for urethroscopy	**8672.214** for cystoscopy	
			2x4			**8672.224** for cystoscopy

Ø	Viewing direction	Types	PANOVIEW telescopes
2.7 mm	0°	**8672.421**	 HD High Definition
	30°	**8672.422**	
	70°	**8672.425**	

Accessories:

Fiber light cable set, Ø 2.5 mm, 3.0 m long **806625301**

Consisting of:

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

SMALL CALIBER

Optical forceps *E-line*

for cysto-urethroscope 8672

For use with 0° telescope 8672.421 and sheath 8672.0441

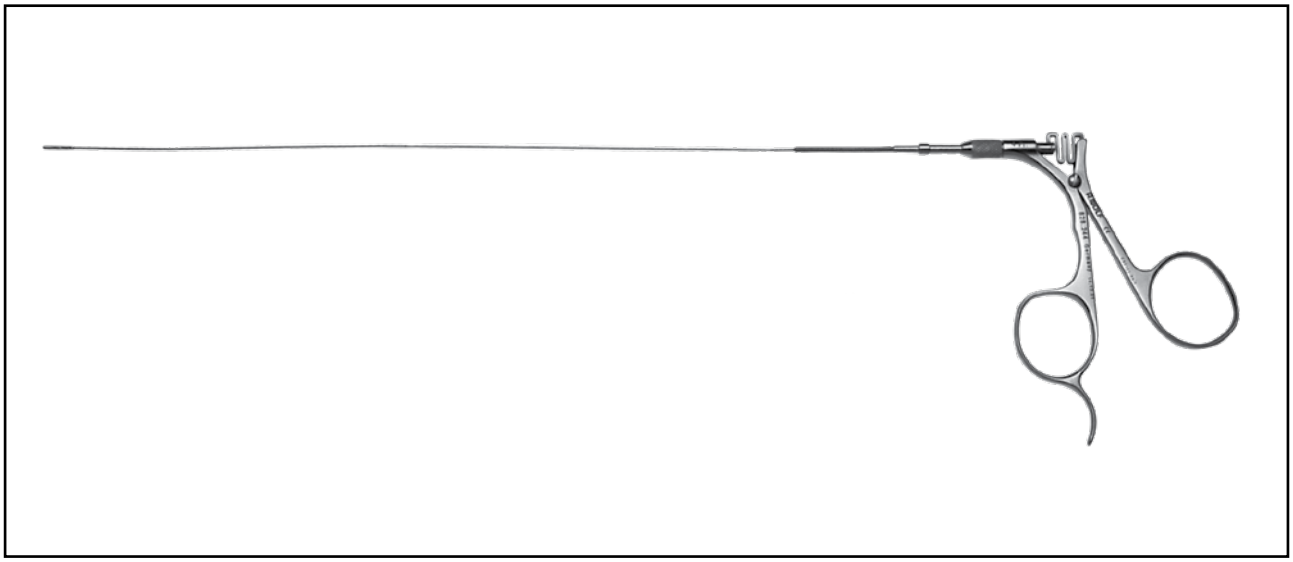


	for sheath	Types
Biopsy forceps 	14 Fr.	**8672.604**
Foreign body forceps 	14 Fr.	**8672.654**

SMALL CALIBER

Flexible grasping forceps *E-line*

for cysto-urethroscopes 8672 and 8680



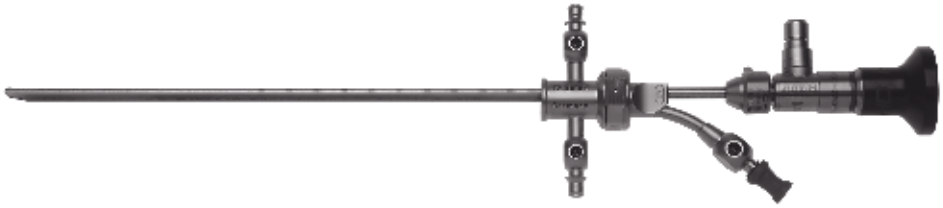
	Fr.	WL	Type
Flexible grasping forceps with overload protection 	4	230 mm	**828.244**

SMALL CALIBER

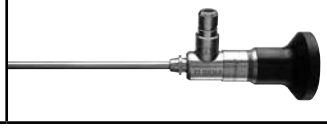
MIDI-size

Cysto urethroscope

for the smaller caliber
by Rösch



Cysto-Urethroscope Sheath						Adapters
consisting of: Cysto-Urethroscope sheath, obturator and luer-lock fitting (886.00)						
	Single sheath	Obturator single	Fr.	Color code	Capacity (Fr.)	**1 Stopcock**
86720251	**86720255**	**86720257**	12.5	green	5 Fr.	**8672265**
86720451	**86720455**	**86720457**	14.5	white	7 Fr.	

Ø	Viewing direction	Type	PANOVIEW telescope, distortion-free
2.7 mm	30°	**8672432**	 HD High Definition

Accessories:

Fiber light cable set, Ø 2.5 mm, 3.0 m long **806625301**

Consisting of:

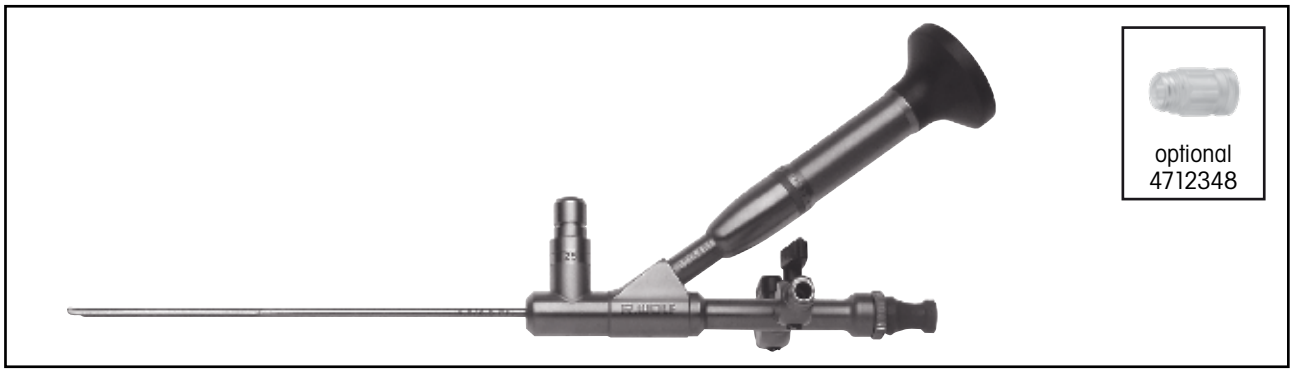
Fiber light cable (80662530), adapter projector side (8095.07) and adapter endoscope side (809509)

HF connecting cable see page 51.

Accessory instruments

		WL	Fr.	Types
	**Flexible biopsy forceps**	315 mm	5	**829.05**
		375 mm	7	**829.07**
	**Flexible foreign body forceps**	315 mm	5	**828.05**
		365 mm	7	**828.07**
	**Flexible scissors with indented edge**	375 mm	7	**830.07**

Miniature cysto-urethroscope, 4.5 / 6.5 Fr.



- Can be passed through the urethra without causing injury
- The use of traumatizing bougies to permit cysto-urethroscopy and urethrotomy is no longer necessary
- Excellent miniature fiber telescope, 5° viewing direction
- Efficient irrigation through the oval irrigation and instrument channel
- For accessory instruments up to 3 Fr.

	Viewing direction	Working channel	WL	Types
Miniature-Cysto-Urethroscope Set 4.5 / 6.5 Fr. consisting of: Miniature-cysto-urethroscope (8715.401), membrane valve (pack of 10), membrane retainer, (15256.393) and rubber cap "RIWO", orange (15220005)	5°	3.3 Fr.	120 mm	**87154012**
Hook Electrode, 2.4 Fr.			255 mm	**824.03**
Flexible foreign body forceps			230 mm	**828.03**
Biopsy forceps			230 mm	**829.03**
also: **Sterile universal sealing valve**, (pack of 5), for the insertion of accessory instruments from 1 – 6 Fr.				**4712348**

Accessories:

Fiber light cable set, Ø 2.5 mm, 3.0 m long **806625301**

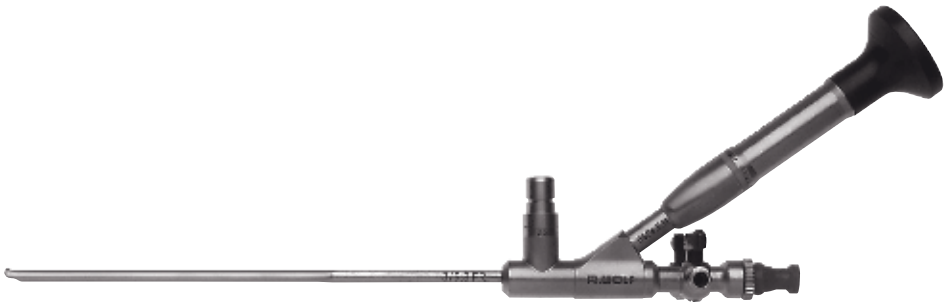
Consisting of:

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

SMALL CALIBER

Operating cysto-urethroscope, 8 / 9.8 Fr.

for reflux therapy





optional
4712348

- Atraumatically shaped distal tip
- Excellent view with the PANOVIEW PLUS telescope
- High irrigation flow
- 5 Fr. irrigation and probe channel for flexible and rigid accessory instruments

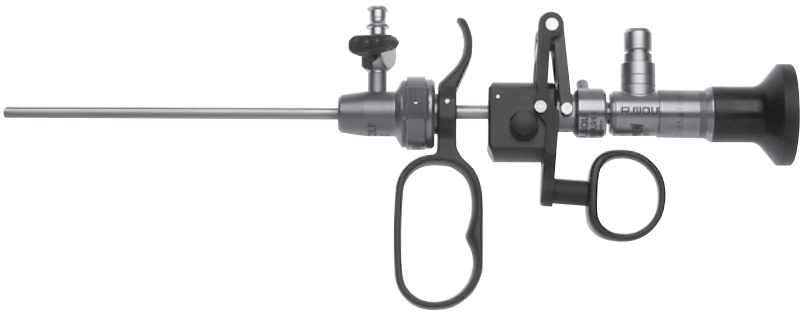
	Viewing direction	Working channel	WL	Types
Compact universal operating Cysto-Urethroscope Set 8 / 9.8 Fr.	12°	5 Fr.	150 mm	**8626.531**
Rigid grasping forceps "Erlangen", 5 Fr. for removing stents 			260 mm	**8626.65**
Coagulating button electrode, 5 Fr. 			400 mm	**823.05**
also: **Sterile universal sealing valve**, (pack of 5), for the insertion of accessory instruments from 1 – 6 Fr. 				**4712348**

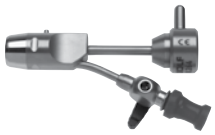
SMALL CALIBER

Optical urethrotome *E-line*

for telescope 1.9 mm

cutting at 12 o'clock



Sheath, with fixed irrigation tap and obturator				**Adapter** for examination and probing	**Working element**
					
	Fr.	Color code	Capacity (Fr.)	**1 Instrument port**	
8693.0141	8.5	red	3	**8688.264**	
					8693.914

Ø	Viewing direction	Types	**PANOVIEW telescopes**
1.9 mm	0°	**8686.414**	 HD

Accessories:

Fiber light cable set, Ø 2.5 mm, 3.0 m long **806625301**

Consisting of:

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

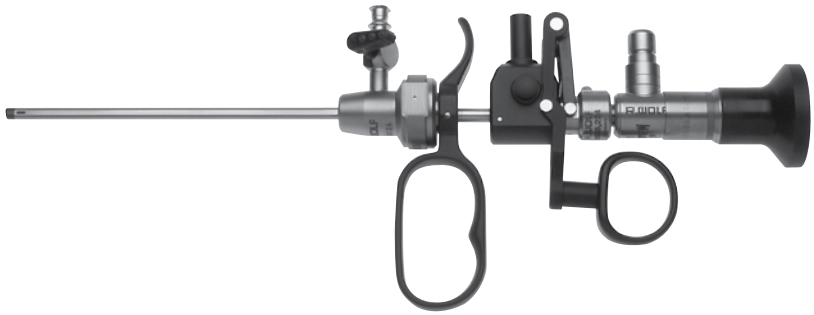
Stricture scalpels	Blade	Type
	ceramic / half moon	**8693.961**
	sickle-shaped	**8693.93**
	hook-shaped	**8688.94**

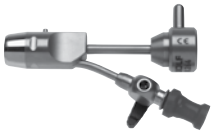
SMALL CALIBER

Resectoscope E-line

for telescope 1.9 mm

cutting at 6 o'clock



Sheath, with fixed irrigation tap and obturator, distal insulated				**Adapter** for examination and probing	**Working element** passive cutting action
					
	Fr.	Color code	Capacity (Fr.)	**1 Instrument port**	
8688.0141	9	white	3	**8688.264**	
					8688.224

Ø	Viewing direction	Type	**PANOVIEW telescopes, distortion-free**
1.9 mm	0°	**8686.414**	 HD High Definition

Accessories:

Fiber light cable set, Ø 2.5 mm, 3.0 m long **806625301**

Consisting of:

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

SMALL CALIBER

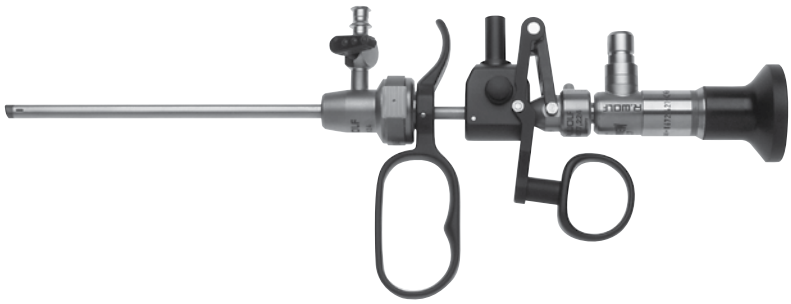
Electrodes and stricture scalpels see page 112.

HF connecting cable see page 51.

Resectoscope *E-line*

for telescope 2.7 mm

cutting at 6 o'clock



Sheath, with fixed irrigation tap and obturator, distal insulated			**Adapter** for examination (without tap)	**Working element** passive cutting action
				
	Fr.	Color code		
8677.0141	11.5	yellow	**8677.254**	**8677.224**

Ø	Viewing direction	Type	**PANOVIEW telescope**
2.7 mm	0°	**8672.421**	 HD High Definition

Accessories:

Fiber light cable set, Ø 2.5 mm, 3.0 m long **806625301**

Consisting of:

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

SMALL CALIBER

Electrodes and stricture scalpels see page 112.

HF connecting cable see page 51.

Electrodes and stricture scalpels

for resectoscope with telescope 2.7 mm and 1.9 mm

Electrodes		for resectoscope with telescope	
		1.9 mm	2.7 mm
	Cutting electrode	**8688.93**	**8416.03**
	Coagulating electrode	**8688.91**	**8416.01**
	Hook electrode	**8688.95**	**8416.09**
	Coagulating electrode angled 90° retrograde, sickle-shaped with distal ball	**8688.994**	

Stricture scalpels, for the cold cutting of urethral strictures		for resectoscope with telescope	
		1.9 mm	2.7 mm
	ceramic / half moon	**8693.961**	**8677.961**
	hook-shaped "Erlangen"	**8688.94**	
	sickle-shaped	**8693.93**	

SMALL CALIBER

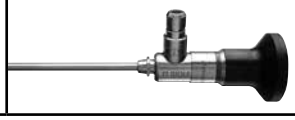
MIDI-size

Resectoscope

for the smaller caliber
by Rösch



Resectoscope Sheath Set					
consisting of: **Resectoscope sheath**, obturator and luer-lock fitting (886.00)					
	Fr.	Color code	Sheath single	Obturator single	**Working element "E-line"**, passive cutting
	86770151	14.5	white	86770155	86770157	**8677.224**

Ø	Viewing direction	Type	PANOVIEW telescope, distortion-free
2.7 mm	0°	**8672430**	 HD High Definition

Accessories:

Fiber light cable set, Ø 2.5 mm, 3.0 m long **806625301**

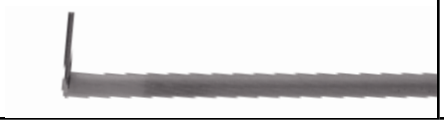
Consisting of:

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

HF connecting cable see page 51.

Accessory instruments

Stricture scalpels	Blade	Types
	lancet blade cutting edge on both sides	**8677981**

Electrodes		Types
	Coagulating electrode	**8416011**
	Cutting electrode	**8416031**
	Hook electrode	**8416091**

SMALL CALIBER

E-line

Fiber ureterorenoscope

with lateral eyepiece



- Stone therapy with laser fiber Ø 200/272 µm.
- Particularly suitable for primary URS without prior placement of a double J catheter
- Excellent view thanks to the latest image guide technology and optimum irrigation flow

Fiber ureterorenoscope with oval irrigation and instrument channel, including automatic valve for inserting instrument	Working length	Total length	Telescope	Fr.	Irrigation and instrument channel Fr.	for accessory instruments Fr.	Type
Fiber ureterorenoscope	430 mm	570 mm	5°	4.5 / 6.5	3.15 x 3.15	1 x 3	**8701.534**

Accessories:

Foreign body forceps, flexible, 3 Fr., with alligator jaws, WL 530 mm **828.605**

Biopsy forceps, flexible, 3 Fr., WL 530 mm **829.603**

Handle **8702.261**

Sterile universal sealing valve **4712348**

Membrane seal (pack of 10) **89.101**

Membrane retainer, standard **15256.393**

Membrane retainer with Luer **15256.456**

Accessory instruments see page 64.

Thermedx® FluidSmart® fluid management system

- ❏ Non-pulsatile flow
  - • Provides clear visualization during procedure
- ❏ Adjustable pressure settings
  - • Help control distension and bleeding in the surgical cavity
- ❏ Fluid deficit monitoring (deficit alarm up to 2,500 ml)
  - • Real-time monitoring and display of fluid deficit
  - • Configurable deficit alarms
  - • auto shut-off at 2,500 ml
- ❏ Enhanced safety features
  - • Adjustable alarms for perforation, deficit, and pressure
  - • Over pressure mechanical relief valve integrated into tubing set
- ❏ Convenient operation
  - • Fluid bags and canisters can be changed without interrupting surgical procedure
  - • Ability to print procedural data
  - • Capacity to hold two 1-5 liter bags
- ❏ Flow rate
  - • Automatic flow rate adjustment provides constant pressure for even distension
- ❏ Touch screen setup and menu
  - • Convenient view of real-time deficit value and procedual data

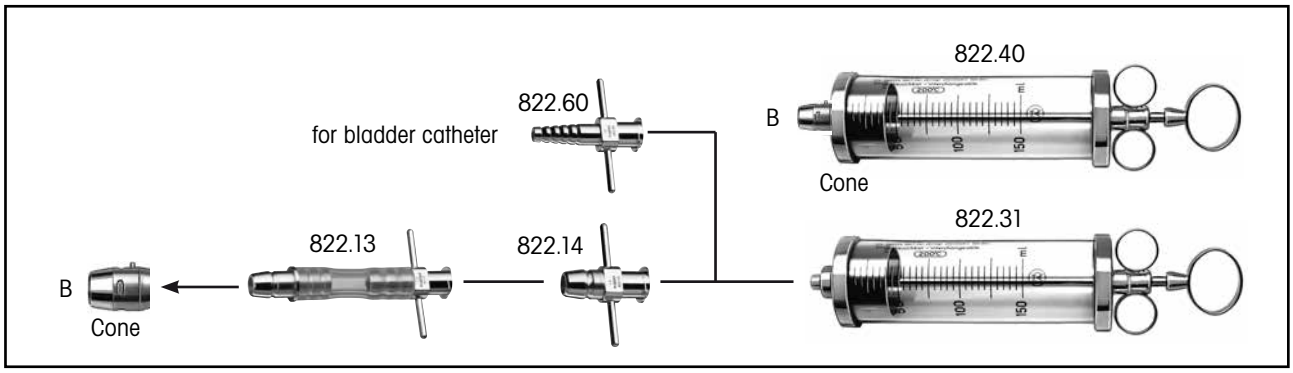


Thermedx® FluidSmart® Fluid Management System **P2000**

Accessories:

Luer lock tube set, single lumen, 10/bx, single use only **LL0002**
Tubing set, single lumen, inflow with dual outflow, 5/bx, single use only **LL0004**
Urology tubing set, 10/bx, single use only **LL0006**
Thermedx® thermal paper refills, 58 mm x 10 m, 10/bx **00835**
Bemis suction fluid canisters, 3000 mL (cc), 36/bx, single use only **2215.972**
Hysteroscopy pack, 10/bx, single use only **4974.0010**
Compact hysteroscopy pack, 10/bx, single use only **4975.0010**
Replacement power cord **N710251**

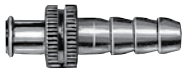
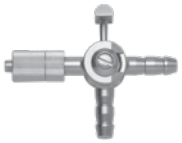
Bladder syringe and evacuator



	Connection cone	mL	Spare barrel	**Types**
Bladder syringe	For flexible or rigid adapters	150	82295	**822.31**
Flexible connector	B			**822.13**
Rigid connector	B			**822.14**
Rigid adapter for bladder syringe				**822.60**
Bladder syringe	B	150	82295	**822.40**
Adapter for Toomey syringes, with cone	B			**845.11**
Adapter for attaching the evacuator, with cone B 				**8558.14**

ACCESSORIES

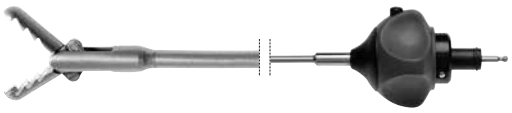
Luer lock connector, stopcocks and irrigation adapter

	Inner channel	female	male
Luer lock connector 	Ø 3 mm		**886.00**
	Ø 4 mm		**886.01**
Luer lock connector 	Ø 3 mm	**891.00**	
	Ø 4 mm	**15023.041**	
Stopcock with Luer lock connector 	Ø 3 mm		**884.00**
	Ø 4 mm		**884.01**
Two-way tap with Luer lock connector 	Ø 3 mm		**883.00**
	Ø 4 mm		**883.01**
Two-way tap with Luer lock connector, for irrigation inlet from left 	Ø 4 mm		**883.12**

Rigid accessory instruments

micro modular system HySafe

360° rotatable, flushable, easy click

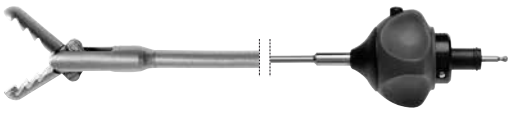
Insert with sheath 					Handle with overload protection 	**Complete Instrument** • **Insert with sheath** • **Handle**
	Recommended fields of application	Types	Fr.	WL		**Types**
Grasping forceps with alligator jaws 	Cystoscopy	**8642.6508**	5	340	**8083.001**	**8642.6502**
		8645.6508	7	325		**8645.6502**
Biopsy forceps, spoon 		**8642.6008**	5	340		**8642.6002**
Biopsy forceps 		**8645.6008**	7	325		**8645.6002**
Biopsy punch 		**8642.6318**	5	340		**8642.6312**
Micro scissors 		**8642.6818**	5	340		**8642.6812**
Hooked scissors 		**8992.6408***	7	310		**8992.6402***

* on request

Rigid accessory instruments

micro modular system HySafe

360° rotatable, flushable, easy click

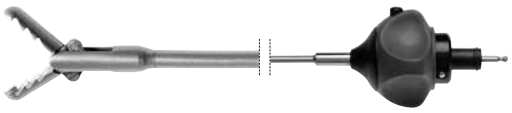
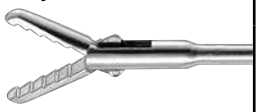
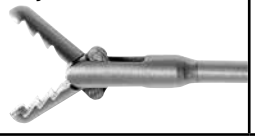
Insert with sheath 	Recommended fields of application	Types	Fr.	WL	Handle with overload protection 	**Complete Instrument** • **Insert with sheath** • **Handle** **Types**
Biopsy forceps 	Ureterorenoscopy	**8952.6008**	5	550	**8083.001**	**8952.6002**
Grasping forceps with mouse jaws 		**8959.6118**	4	425		**8959.6112**
		8952.6118	4	550		**8952.6112**
		8959.6218	5	425		**8959.6212**
		8952.6218	5	550		**8952.6212**
Grasping forceps with alligator jaws 		**8959.6808**	5	425		**8959.6802**
		8954.6808	5	550		**8954.6802**
Grasping forceps with alligator jaws 		**8952.6508**	5	550		**8952.6502**
Foreign body grasping forceps 		**8952.6608**	5	550		**8952.6602**

ACCESSORIES

Rigid accessory instruments

micro modular system HySafe

360° rotatable, flushable, easy click

Insert with sheath 	Recommended fields of application	Types	Fr.	WL	Handle with overload protection 	**Complete Instrument** • **Insert with sheath** • **Handle** Types
Stone grasping forceps with alligator jaws 	Nephroscopy	8962.6008	10.5	350	**8083.001**	**8962.6002**
		8962.6048	12	340		**8962.6042**
Stone grasping forceps angled distal tip, with alligator jaws 		8962.6028	9	355		**8962.6022**
Grasping forceps with alligator jaws 		8962.6108	10.5	350		**8962.6102**
Stone grasping forceps with finely serrated jaws, peanut shape 		8962.6078	12	340		**8962.6072**
Stone grasping forceps 		8962.6058	12	340		**8962.6052**
Grasping forceps with alligator jaws 	Miniature nephroscopy	8642.6508	5	340		**8642.6502**

Rigid forceps and scissors

		Fields of application	Working Length	Fr.	Type
	**Grasping forceps** model "Erlangen"	Operating urethro-cystoscopy	255 mm	5	**8626.65**
	**Stone grasping forceps** with serrated jaws	Intra-renal stone surgery	275 mm	8	**8280.22**
	**Stone grasping forceps** with sharp jaws	Intra-renal stone surgery	275 mm	6	**8280.23**
	**Microscissors**	Intra-renal stone surgery	235 mm	8	**8283.21**

Flexible forceps and scissors

		Fields of application	Working length	Fr.	Type
	**Biopsy forceps**	Cystoscopy	230 mm	3	**829.03**
			315 mm	5	**829.05**
			375 mm	7	**829.07**
			325 mm	10	**829.10**
	**Biopsy forceps**	Ureterorenoscopy, nephroscopy	550 mm	5	**829.051**
	**Biopsy forceps**	Ureterorenoscopy	530 mm	3	**829.603**
			920 mm	3	**829.601**
	**Biopsy forceps**	Ureterorenoscopy	550 mm	3.5	**8953.60**
	**Foreign body forceps**	Cystoscopy	230 mm	3	**829.03**
			315 mm	5	**828.05**
			365 mm	7	**828.07**
			325 mm	10	**828.10**
	**Foreign body forceps**	Ureterorenoscopy, nephroscopy	315 mm	5	**829.05**
			375 mm	7	**829.07**
	**Foreign body forceps**	Ureterorenoscopy	325 mm	10	**829.10**
	**Foreign body forceps**	Ureterorenoscopy	415 mm	3.5	**8953.65**

ACCESSORIES

Flexible forceps and scissors

		Fields of application	Working Length	Fr.	Type
	**Foreign body forceps**	Ureterorenoscopy	545 mm	5	**8950.66**
	**Scissors,** wave shaped	Cystoscopy	375 mm	7	**830.07**
	**Scissors,** retrograde cutting action	Ureterorenoscopy	255 mm	5	**8950.28**
	**Mouse-tooth grasping forceps**	Cystoscopy	550 mm	5	**8735.685**
			550 mm	6.5	**8736.685**

ACCESSORIES

Injection cannulas and electrodes

		Fields of application	Working Length	Fr.	**Type**
	**Coagulation electrode**, flexible	Ureterorenoscopy	600 mm	5	**8599.80**
	**Button electrode**, flexible unipolar	Cystoscopy	400 mm	4	**823.04**
				5	**823.05**
				6	**823.06**
				10	**823.10**
		Ureterorenoscopy	580 mm	3	**823.031**

AURA SURGICARE

spirit of excellence

Specifications subject to change without notice

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