

Urology

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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.



CYSTOSCOPES






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
	Flexible connector	822.31 822.13
	Tray	8585030

PANOVIEW Telescopes

Overview

CYSTOSCOPES

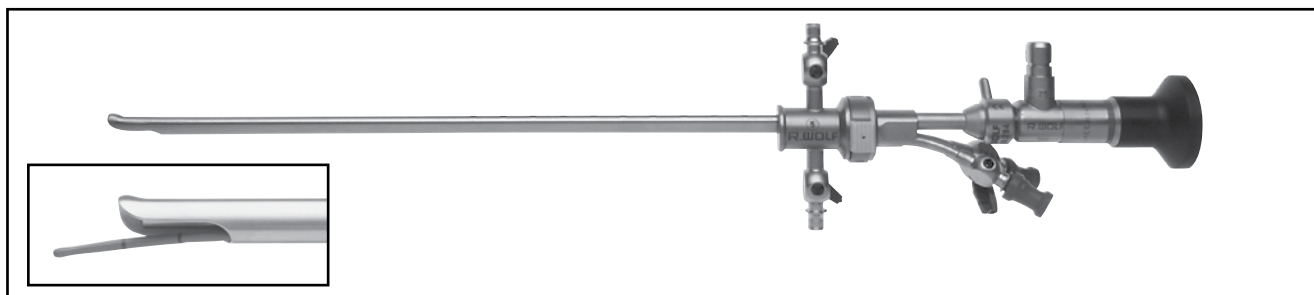
Viewing direction	Color code	Application	Ø mm		HD High Definition
0°	 blue	Standard	4	8650.414	
12°	 orange	Standard	4	8654.431	
30°	 red	Standard	4	8654.422	
		Long sheath	4	8668.433*	
70°	 yellow	Standard	4	8650.415	





* 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	
	12°	8654.431	
	30°	8654.422	
	70°	8650.415	



Accessories:

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

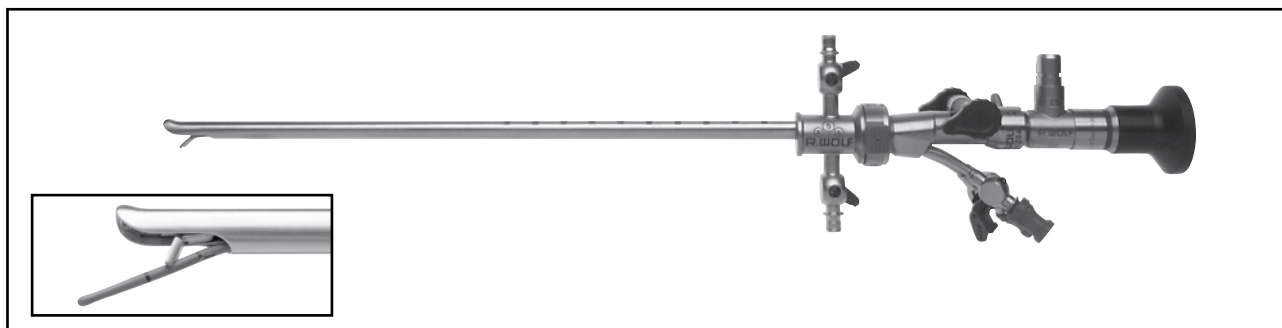
Consisting of:




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	



Accessories:

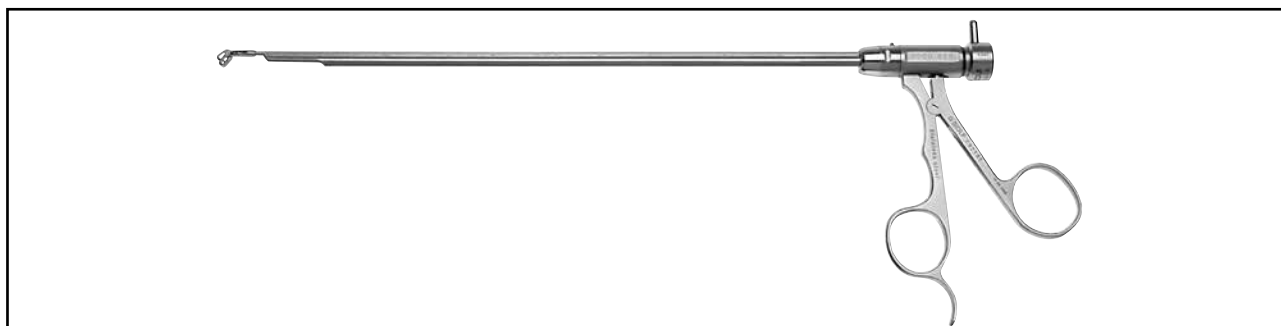
Fiber light cable set, Ø 2.5 mm, 3.0 m long **806625301**








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°

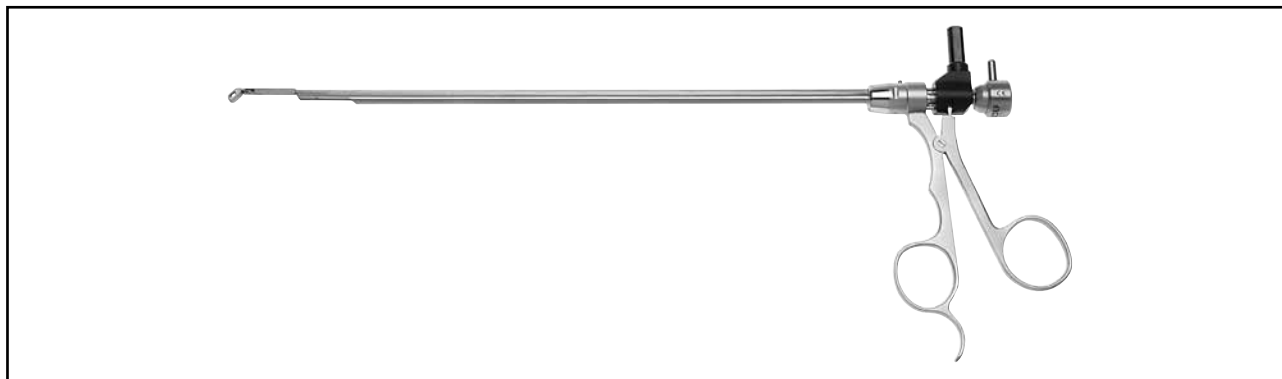



			for Sheaths from	Types
Biopsy forceps spoon shaped jaws, both opening			19.5 Fr.	8650.604
Biopsy forceps "Marburg", cutting action		The close proximity of the jaws to the telescope allows biopsies to be performed even in the area around the neck of the bladder.	19.5 Fr.	8650.614
Biopsy forceps with spoon-shaped 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

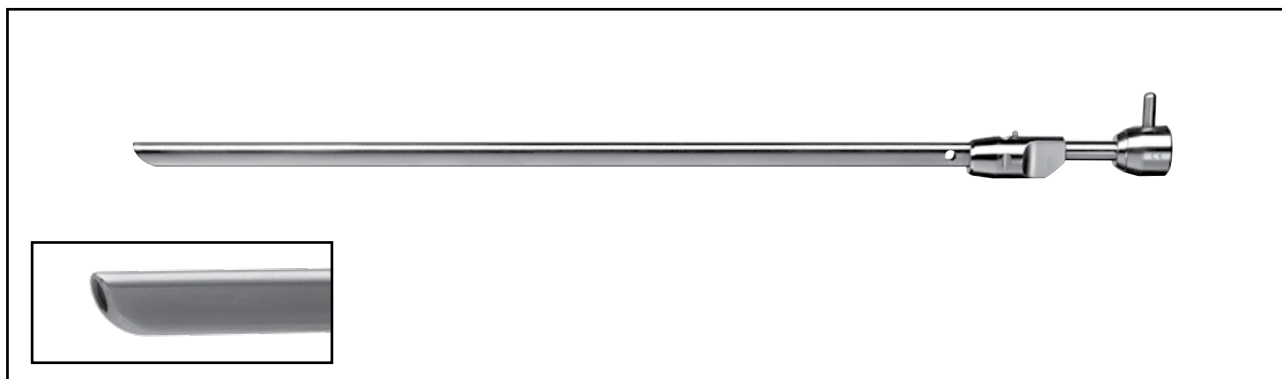
with telescope 4 mm, 0°




		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

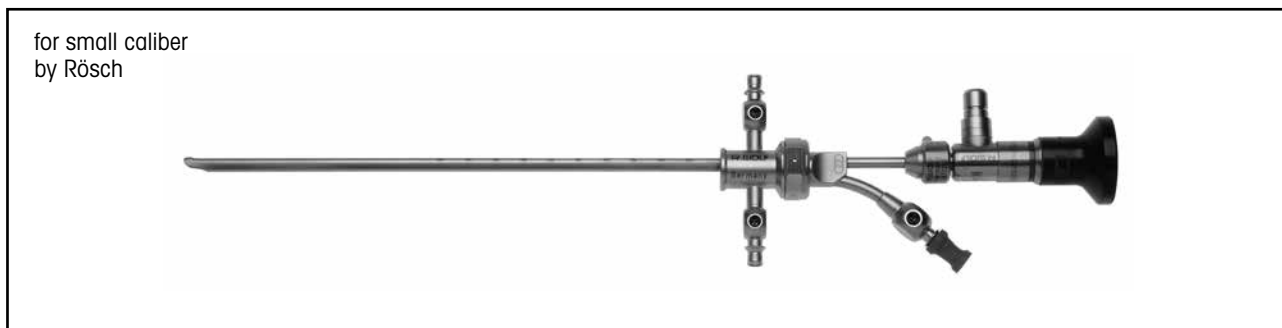
HF connecting cable see page 51.



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



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	 




Accessories:

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

Consisting of:

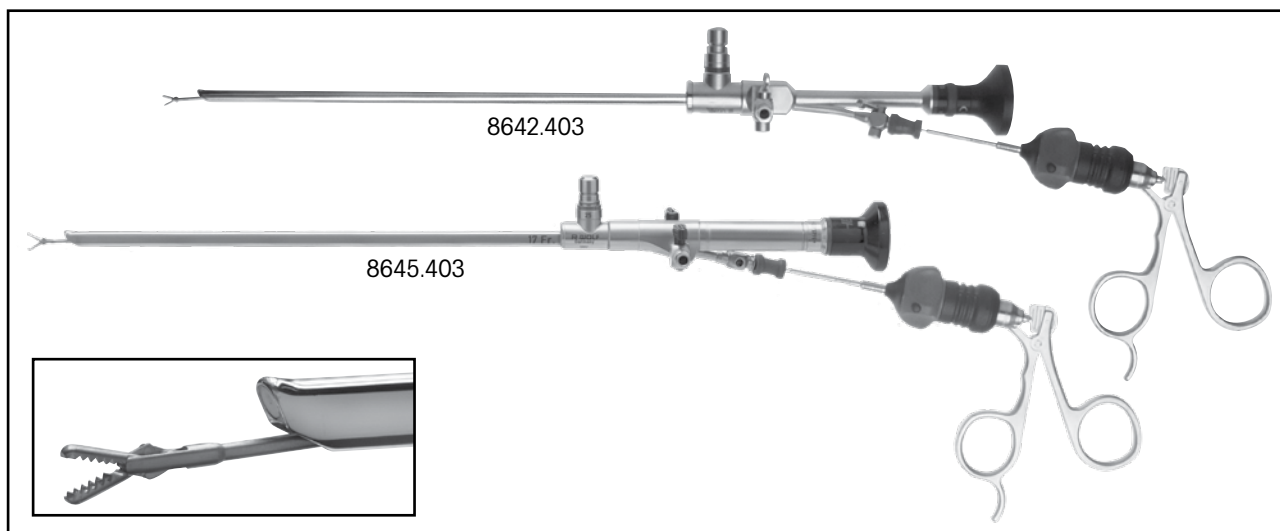
Fiber light cable (80662530), adapter projector side (8095.07) and adapter endoscope side (809509)

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-urethrosopes

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

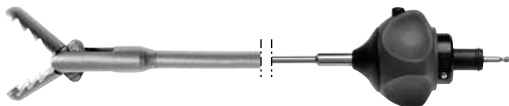


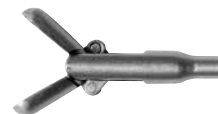




for atraumatic compact
cysto-urethrosopes 14, 17 Fr., 25°

		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

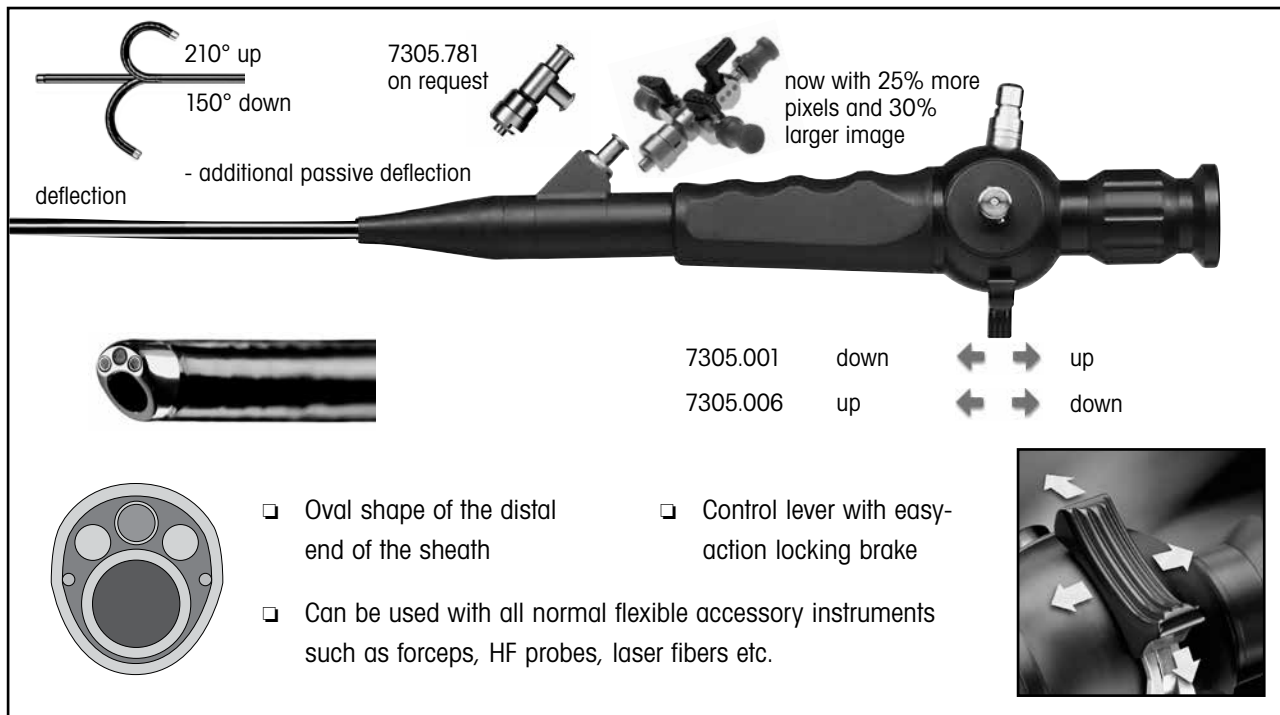
for atraumatic compact cysto-urethrosopes 14, 17 Fr., 25°
micro modular system **HySafe**

CYSTOSCOPES

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

- ❑ 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.



- 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

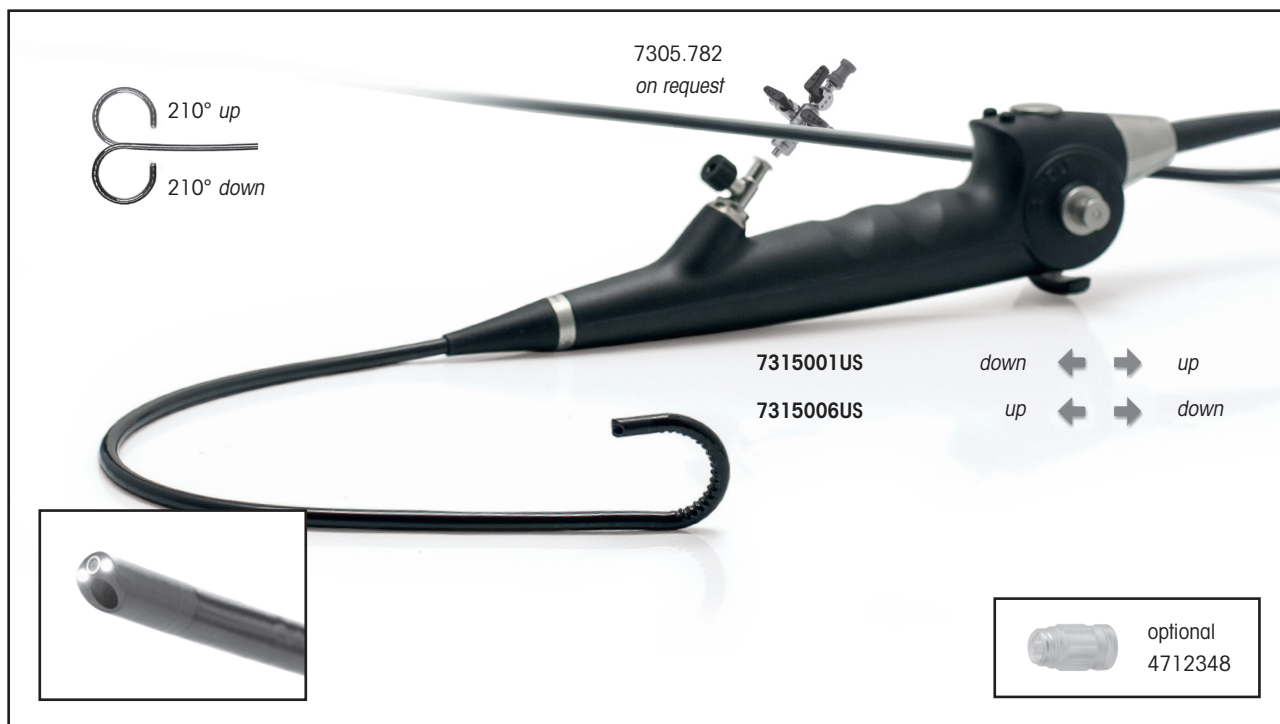


Accessory instruments for flexible fiber-urethro-cystoscope

	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

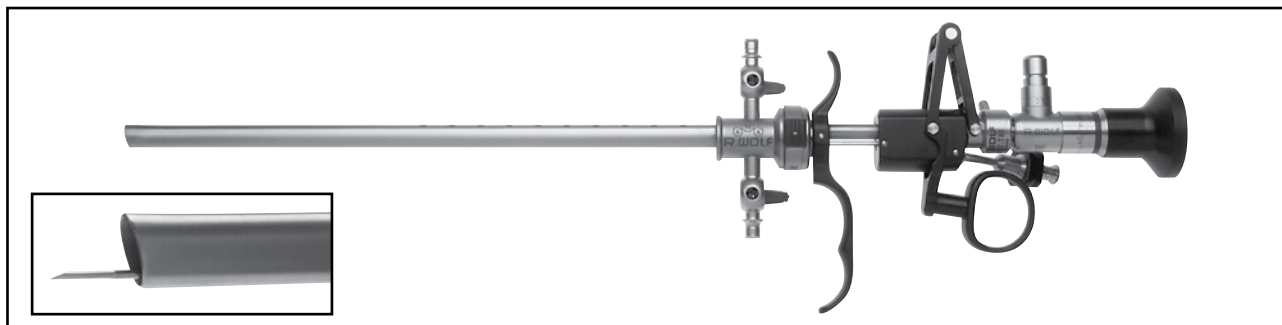
MAMBA vision

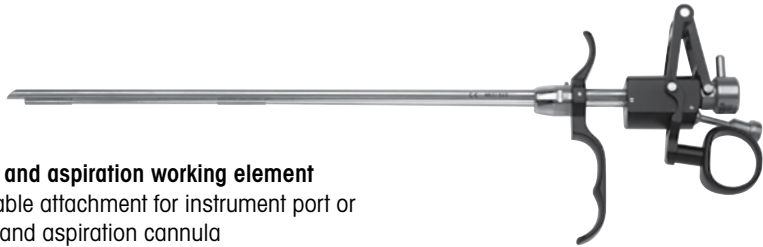



Flexible sensor cystoscope



Accessories and auxiliary instruments

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

Accessories:

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

Consisting of:

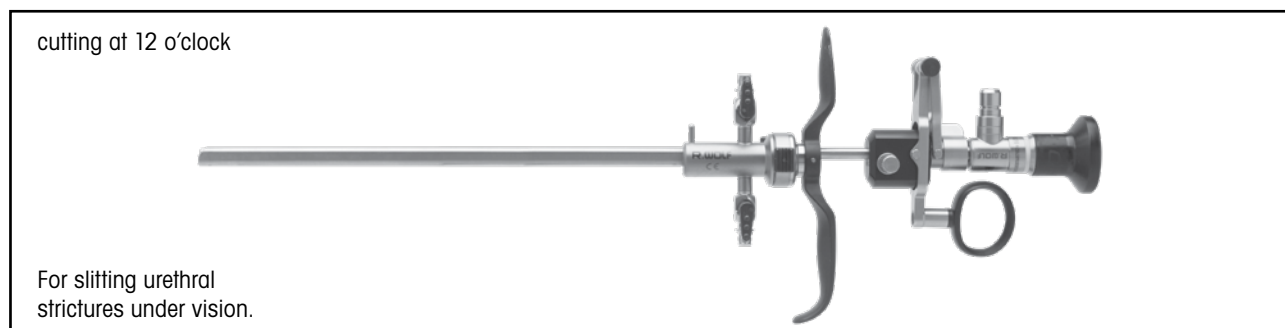
Fiber light cable (80662530), adapter projector side (8095.07) and adapter endoscope side (809509)

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





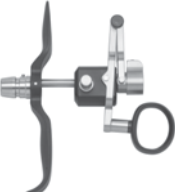
Optical urethrotome



8667 *E-line*

for telescope 4 mm, 0°



URETHROTOMES

		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	 

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)

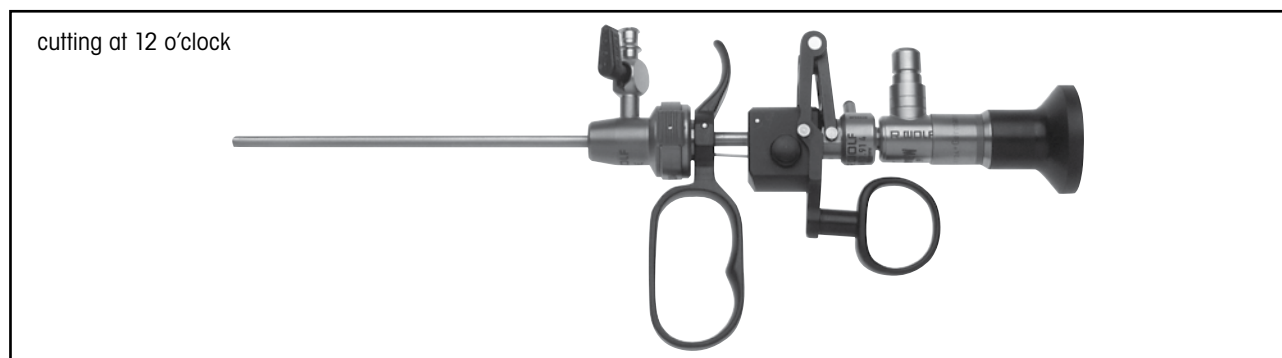
Stricture scalpel for optical urethrotome 8667

- ❑ Unique cutting capacity with ceramic blade
- ❑ Sharp cut over much longer period
- ❑ Compatible with the current and previous Richard Wolf systems


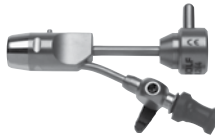






Stricture scalpel with ceramic blade	Sheath	Blade / Shape	Types
	solid	half moon	8667.961
	hollow (for 4 Fr. ureteric catheters)	half moon	8667.966
	hollow (for 4 Fr. ureteric catheters)	Shark-fin for narrow stenoses	8667.971
	solid	lancet	8667.981

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



URETHROTOMES

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			

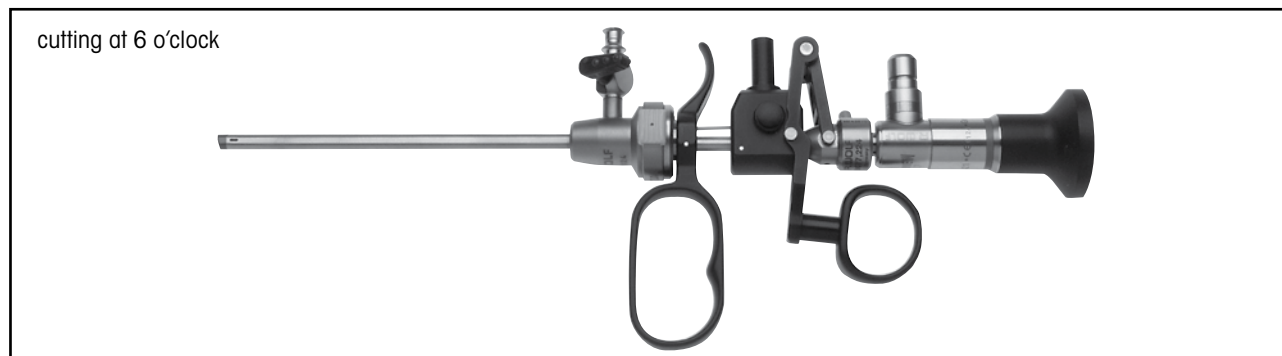
Accessories:

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



URETHROTOMES

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	 

Accessories:

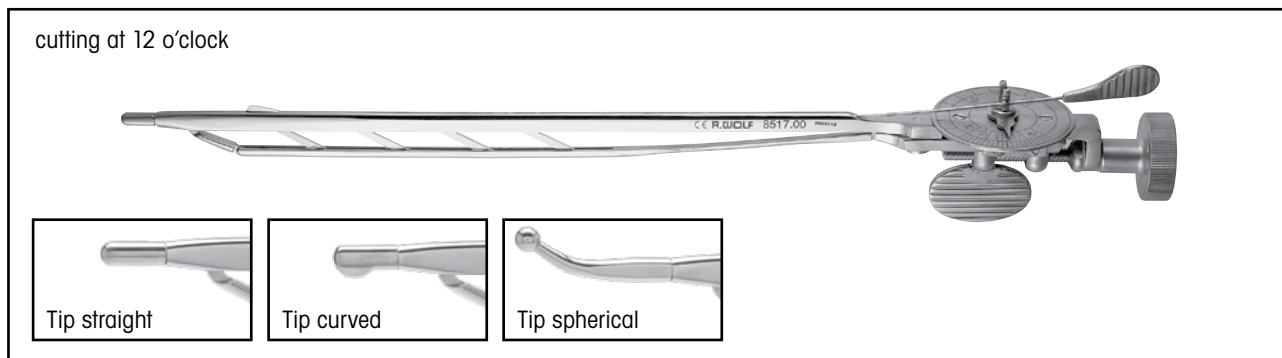
Fiber light cable set, Ø 2.5 mm, 3.0 m long **806625301**

Consisting of:


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

Urethrotome

for blind slitting



URETHROTOMES

	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



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	
	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)

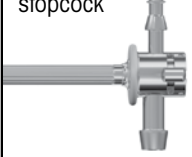







Bipolar connecting cable see page 50.


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	
	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)



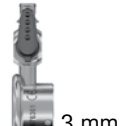






Bipolar connecting cable see page 50.


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  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	 
	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.

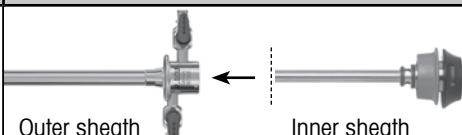






RESECTOSCOPES


Shark Resectoscope, bipolar



for telescope 4 mm, 12°, 0°

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



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

∅	Viewing direction	Type	PANOVIEW telescope
4 mm	0°	8650.414	 

Accessories:

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

Consisting of:

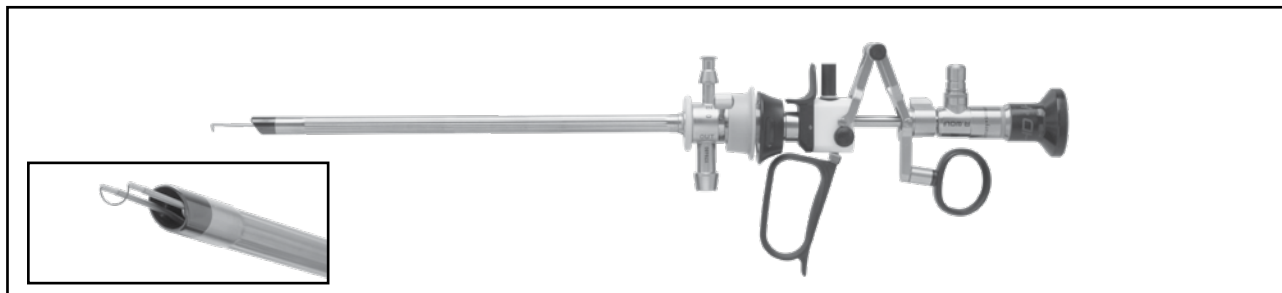
Fiber light cable (80662530), adapter projector side (8095.07) and adapter endoscope side (809509)

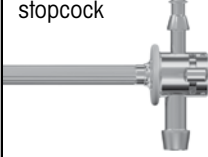







Bipolar connecting cable see page 50.

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	

RESECTOSCOPES

Working elements	Handle type	Cutting action	Type
	closed	passive	8680.225

Ø	Viewing direction	Type	PANOVIEW telescope
4 mm	0°	8650.414	 

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



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	 

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)

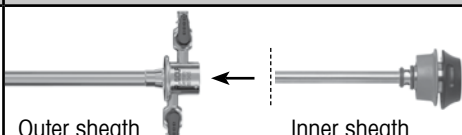






* For connection to the rotatable irrigation adapter 8676354:


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



Color code	Distal tip	Sheaths, inner sheath with distal ceramic insulation		Obturator	Viewing obturator	Dilation obturator	Electrodes
Sheaths							
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	
	30°	8654.422	



Accessories:

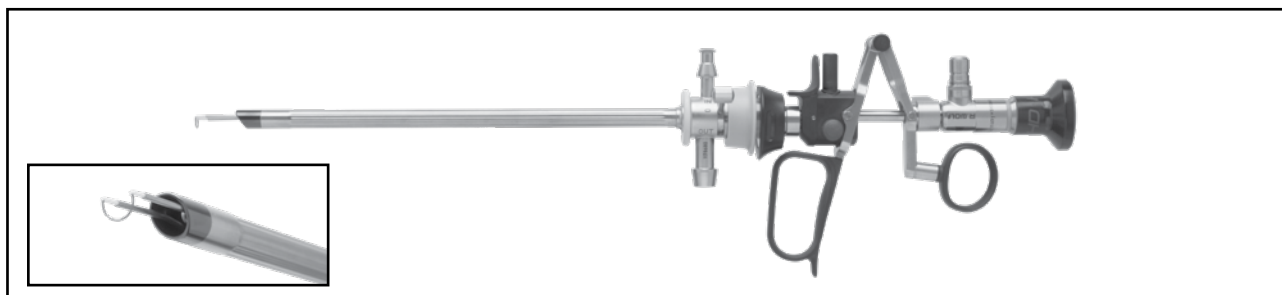
Fiber light cable set, Ø 2.5 mm, 3.0 m long 806625301









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	
	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.


RESECTOSCOPES

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
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
	closed	passive	8674.225

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



Accessories:

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

Consisting of:

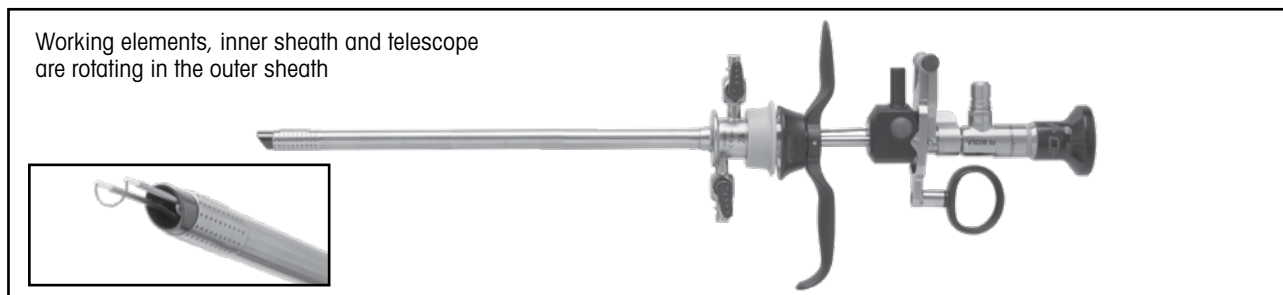
Fiber light cable (80662530), adapter projector side (8095.07) and adapter endoscope side (809509)

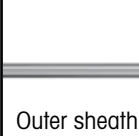
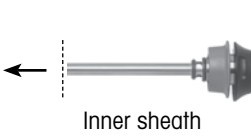






* For connection to the rotatable irrigation adapter 8676354:

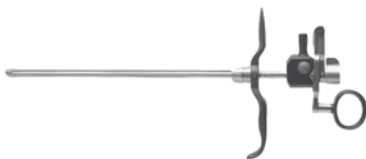
Two-way tap with Luer lock connector **883.12**



HF connecting cable see page 51.

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



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	 

Accessories:

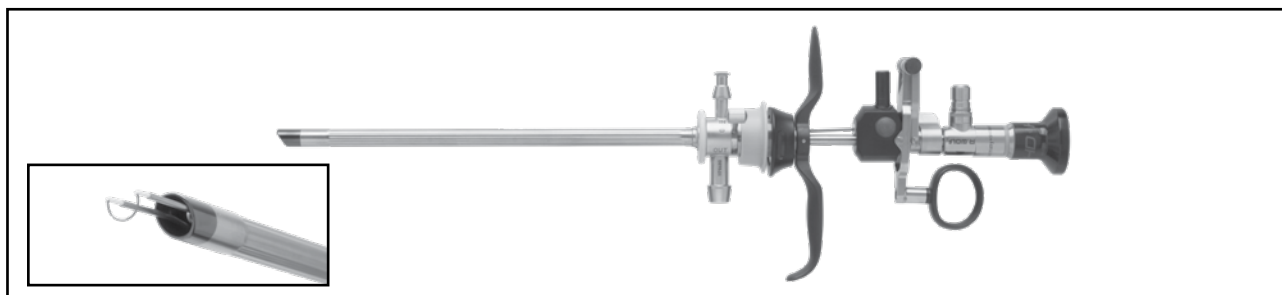
Fiber light cable set, Ø 2.5 mm, 3.0 m long **806625301**

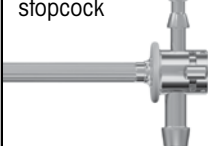







Consisting of:


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

∅	Viewing direction	Type	PANOVIEW telescope
4 mm	0°	8650.414	 

Accessories:

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



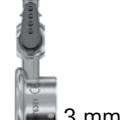






Consisting of:

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

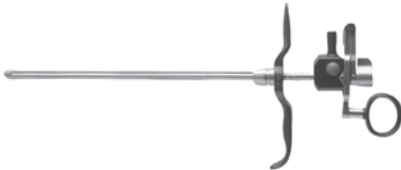
HF connecting cable see page 51.



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



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	
26 Fr. black		8676326	8676354	8676361	8673026	8673126	8673226	

See page 44-45.

Working elements	Handle type	Cutting action	Type
	open	passive	8681224

Ø	Viewing direction	Type	PANOVIEW telescope
4 mm	0°	8650.414	 


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)

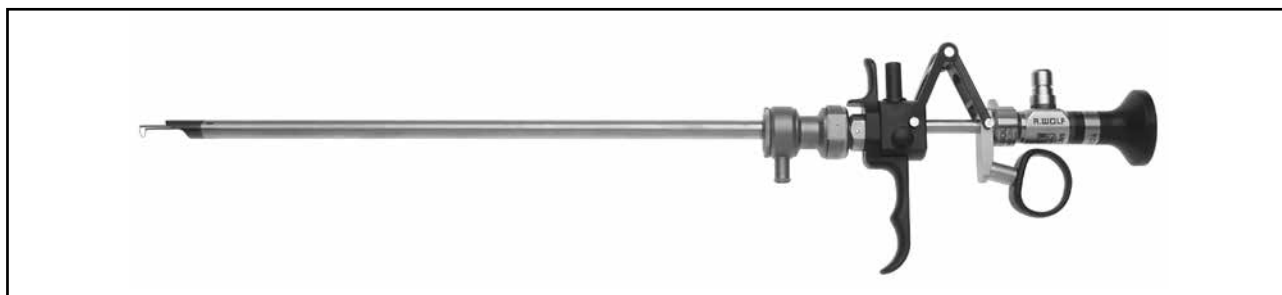
HF connecting cable see page 51.





 **Obturator**
for resectoscopes


For resectoscope 	Fr.	Sheath			Obturator			
		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



RESECTOSCOPES

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	 

RESECTOSCOPES

Accessories:

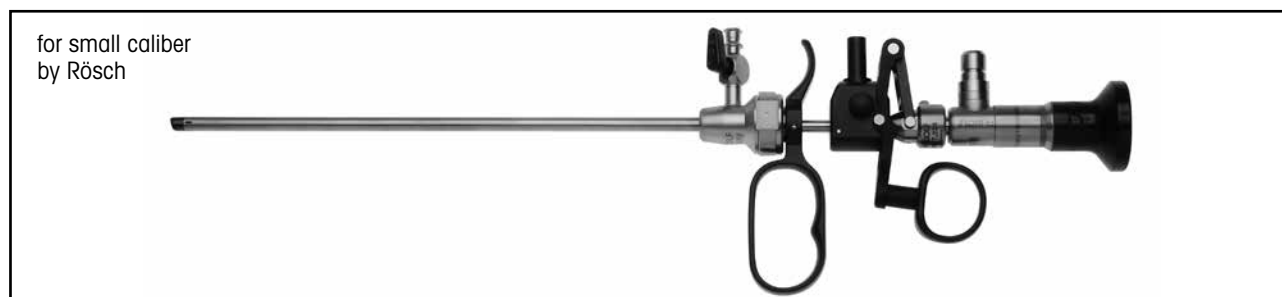
Fiber light cable set, Ø 2.5 mm, 3.0 m long **806625301**





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



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		 

RESECTOSCOPES

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

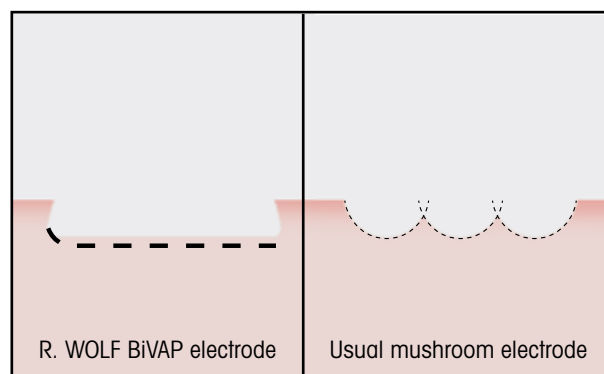
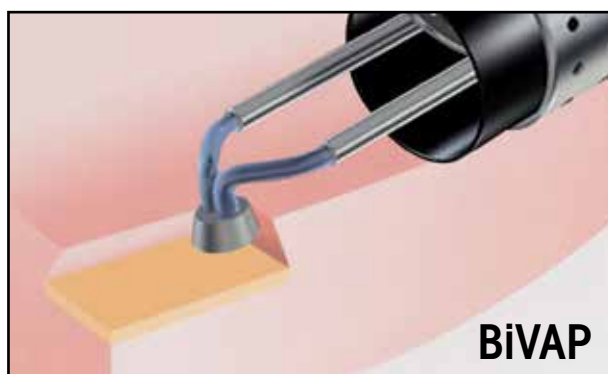
U-Care resectoscope

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

Richard Wolf 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 Richard Wolf "**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. Moreover, 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.



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



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



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




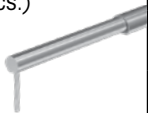
iS = intermittent irrigation

* single sterile packed



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
Coagulating electrode (pack = 5 pcs.) 	Roller	Branches		green	green	-
				46792201	46792201	
Knife electrode (pack = 5 pcs.) 	Knife	Branches		transparent	transparent	
				46792204	46792204	
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

RESECTOSCOPES




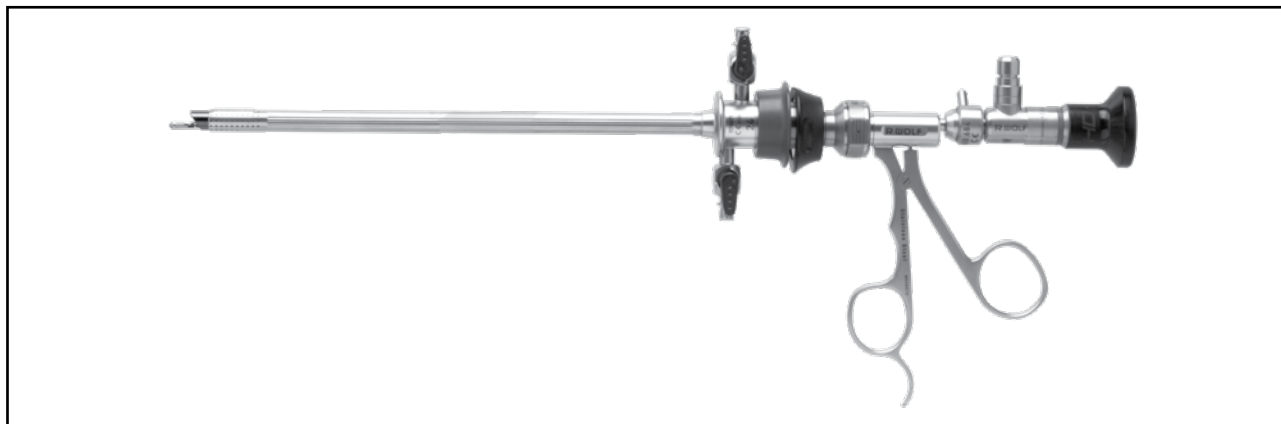
Protective sterilization sleeve **8428.901**








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 

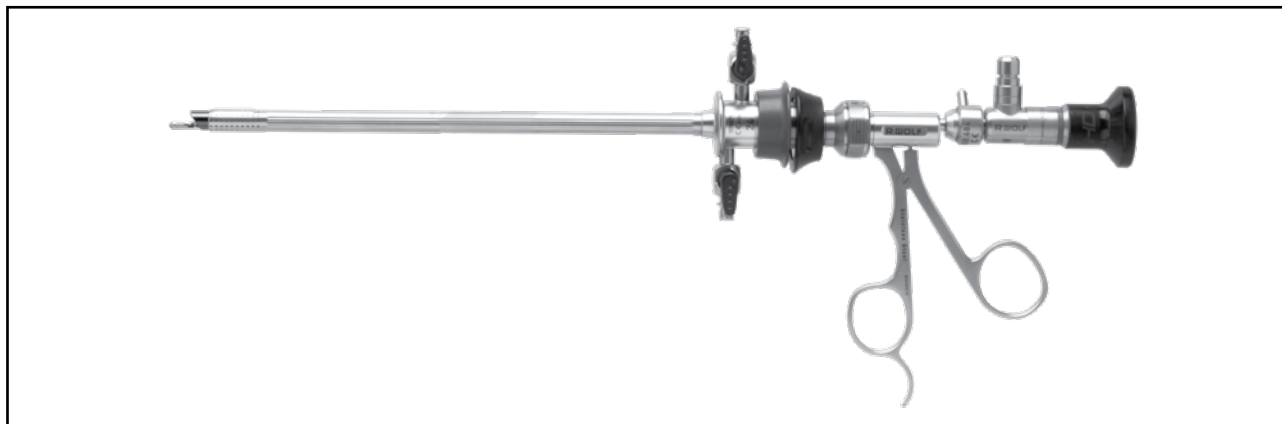









for sheaths			Instruments as for cysto-urethrosopes 8650 for use in resectoscope sheaths		with telescope
Intermittent irrigation Fr.	Continuous irrigation Fr.	via 	Version 	Types 	
24 - 26	26	only for diagnosis	Adapter with 1 instrument port 	8652.264	0°, 12°, 30°, 70°
-	26	Spacer 8652.704	Foreign body 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

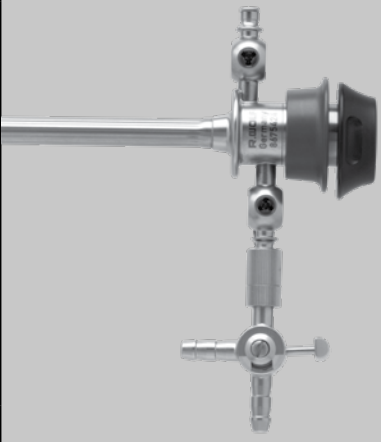
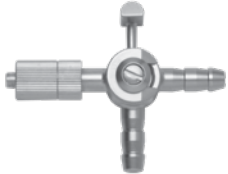



with resectoscope sheaths 



for sheaths			Instruments as for cysto-urethrosopes 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°


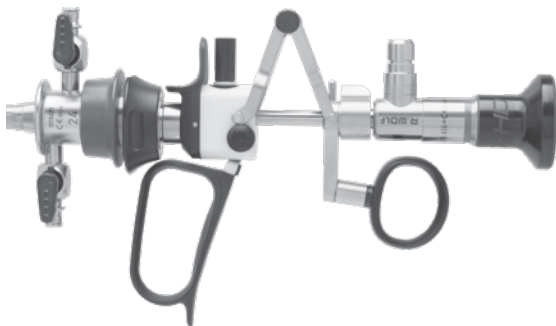

RESECTOSCOPES

Taps, tube connector
for resectoscope sheaths 
with 4 mm telescope

		for sheaths			
			with swivelling and replaceable irrigation ring	with fixed Luer cock	with central two-way stopcock
		Ø	Capacity 4 mm	Capacity 3 mm	
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









RESECTOSCOPES

HF monopolar connecting cables

Connector for instrument	Connector for unit	Length	Types
Richard Wolf resectoscopes 	 Bovie / Valleylab / Erbe (Int.) / BOWA Int.)	3 M	815.033
		5 M	815.053
Richard Wolf 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	

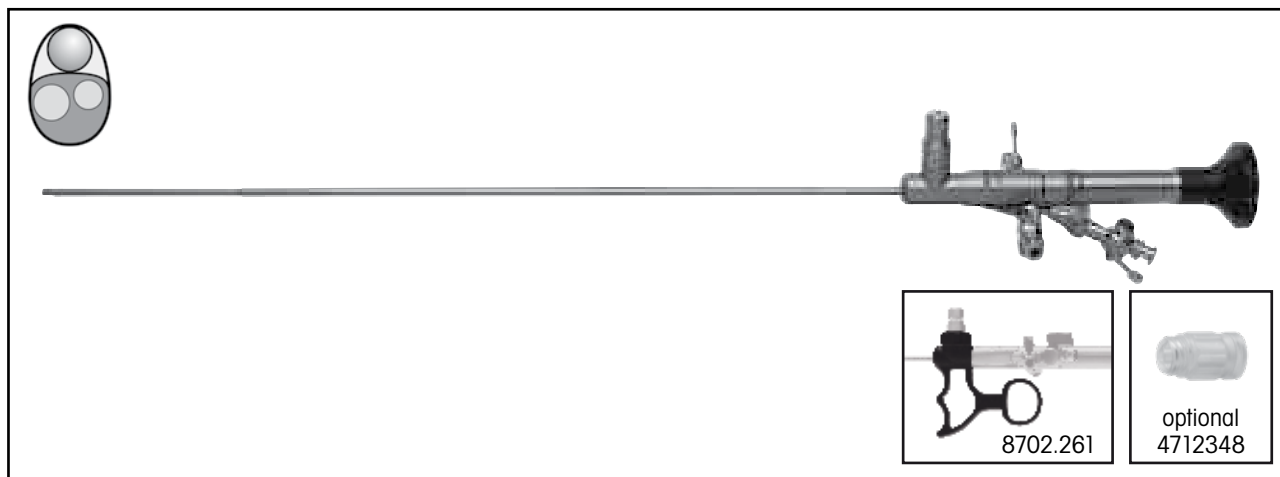
RESECTOSCOPES

HF bipolar connecting cables

Connector for instrument	Connector for unit	Length	Types	
 <p>Richard Wolf bipolar forceps</p>	 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	
	 <p>Bipolar tweezers</p>	 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	

RESECTOSCOPES

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

URETERORENOSCOPE

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:

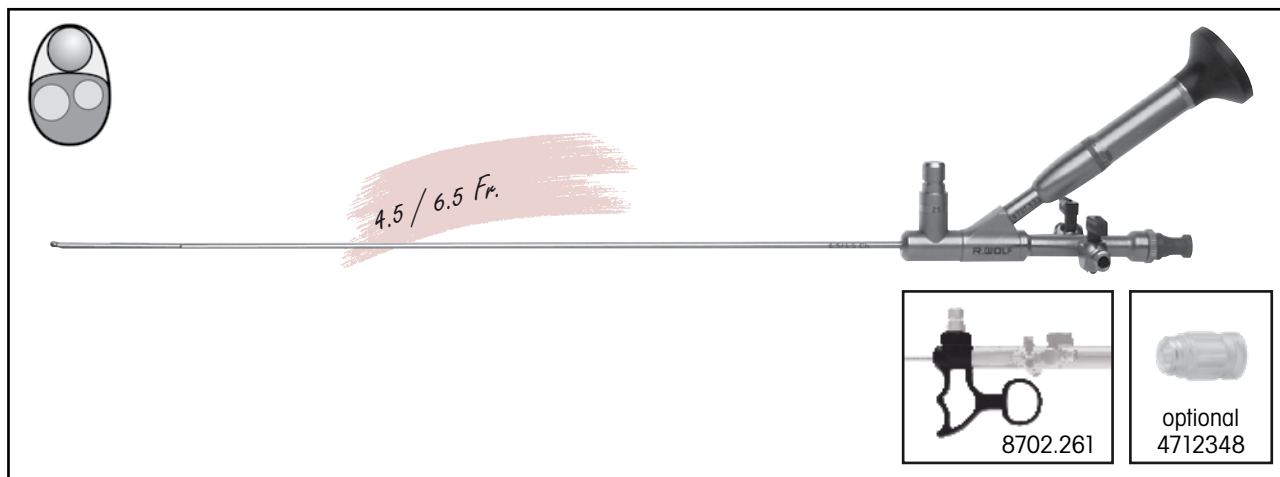
Fiber light cable (80662530), adapter projector side (8095.07) and adapter endoscope side (809509)

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:

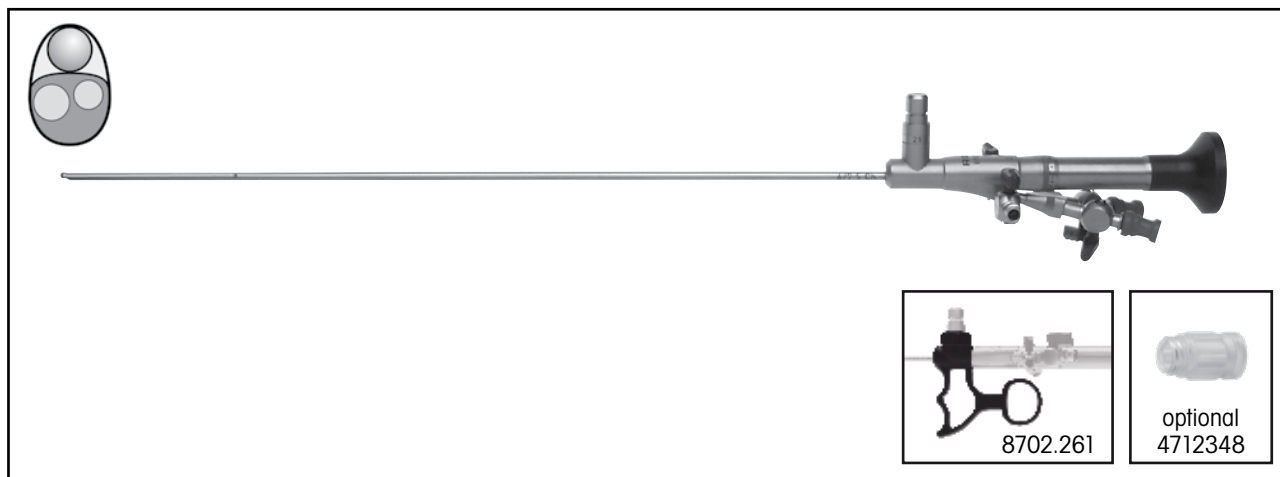
- Foreign body forceps**, flexible, 3 Fr.,
with alligator jaws, WL 530 mm **828.605**
- Biopsy forceps**, flexible, 3 Fr., WL 530 mm **829.603**
- Handle** **8702.261**
- For inserting accessory instruments of 1 – 6 Fr.:
- Universal sealing valve**, sterile (pack = 5 pcs.) **4712348**
- Membrane retainer**, 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**

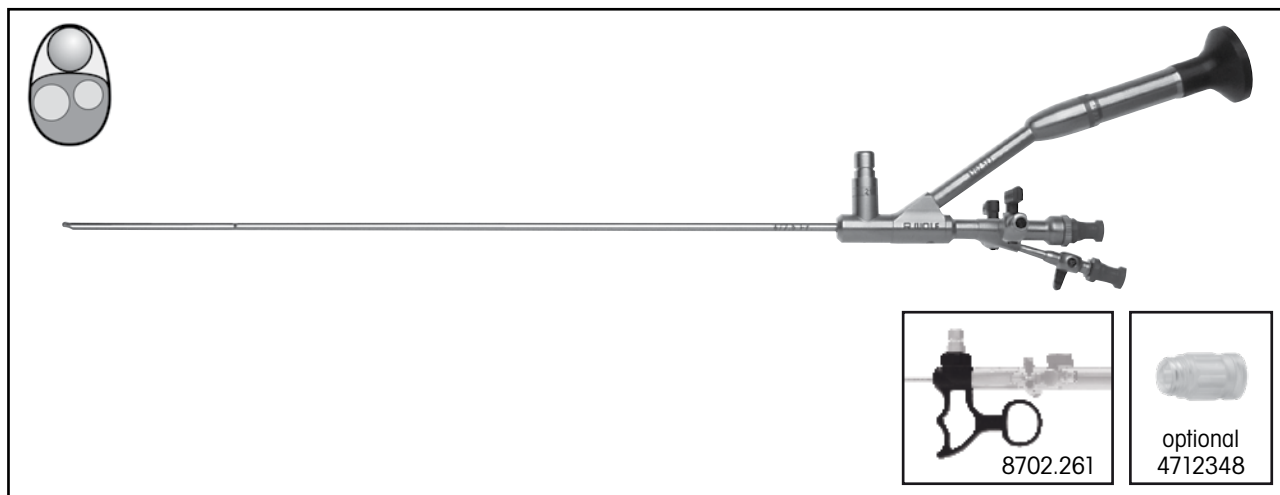
consisting of:

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

Accessory instruments see page 64.

URETERORENOSCOPE

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

URETERORENOSCOPE

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**

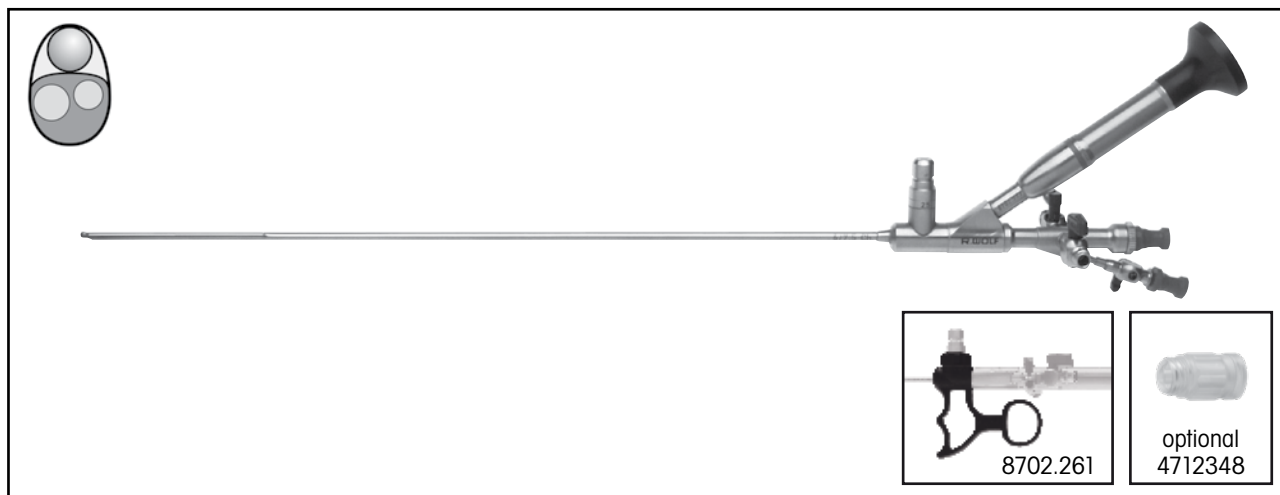
Fiber light cable set, Ø 2.5 mm, 3.0 m long **806625301**

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

URETERORENOSCOPE

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**

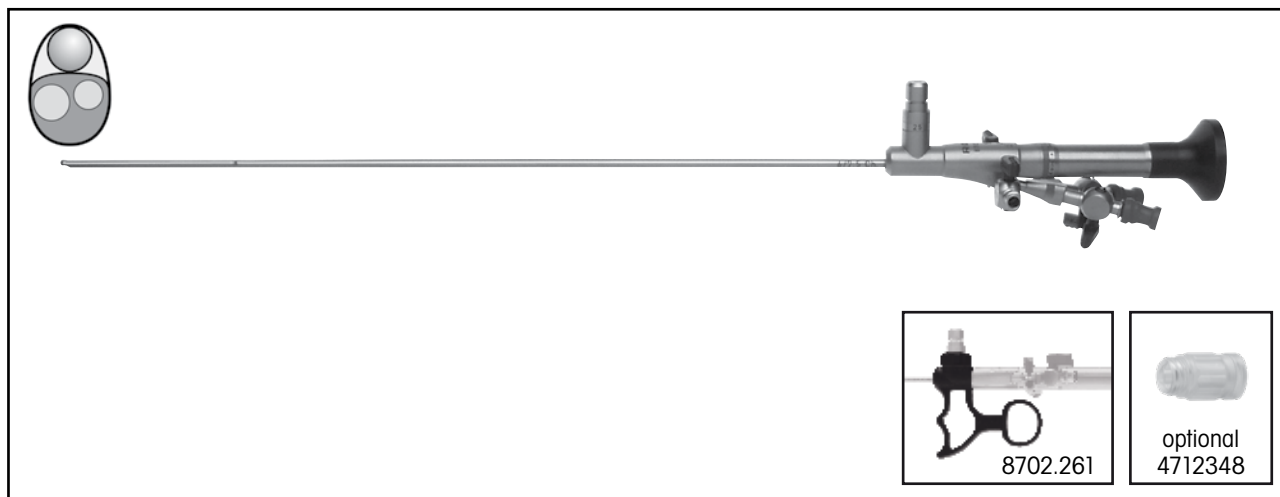
Fiber light cable set, Ø 2.5 mm, 3.0 m long **806625301**

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**

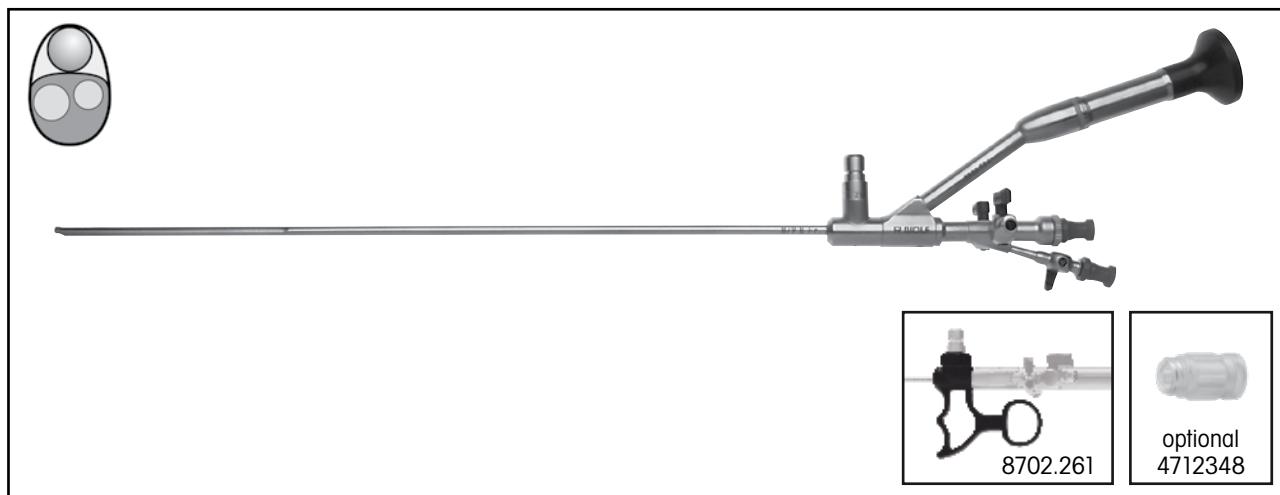
Fiber light cable set, Ø 2.5 mm, 3.0 m long **806625301**

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**

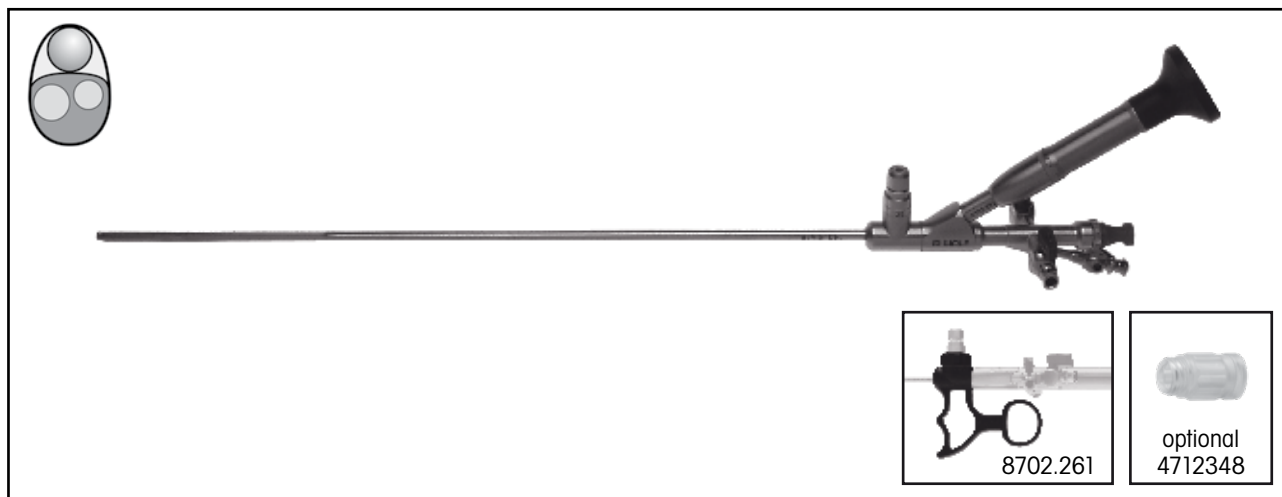
Fiber light cable set, Ø 2.5 mm, 3.0 m long **806625301**

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

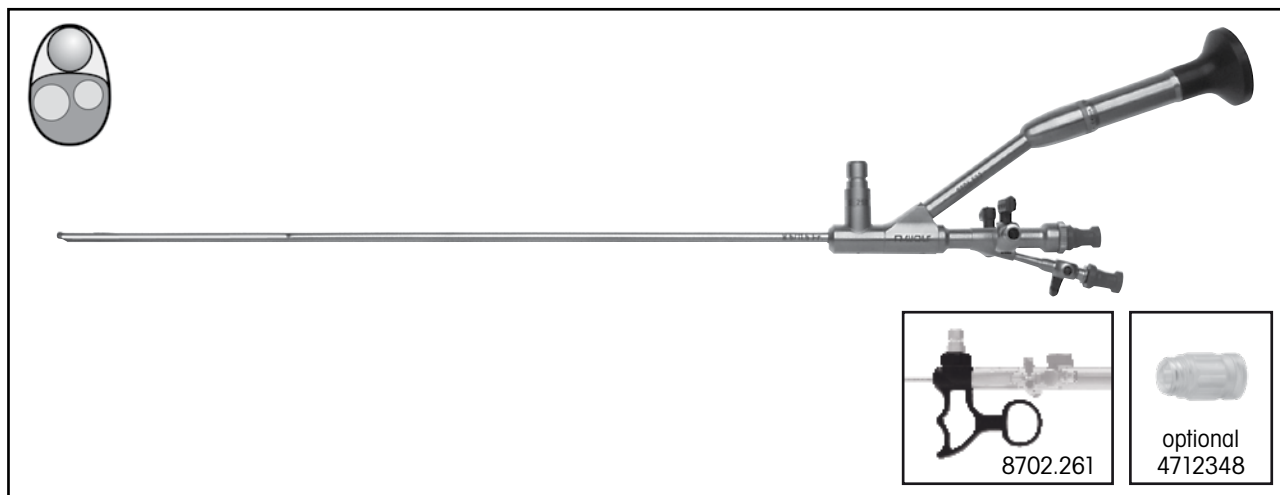
consisting of:

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

Accessory instruments see page 64.

URETERORENOSCOPE

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

URETERORENOSCOPE

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**

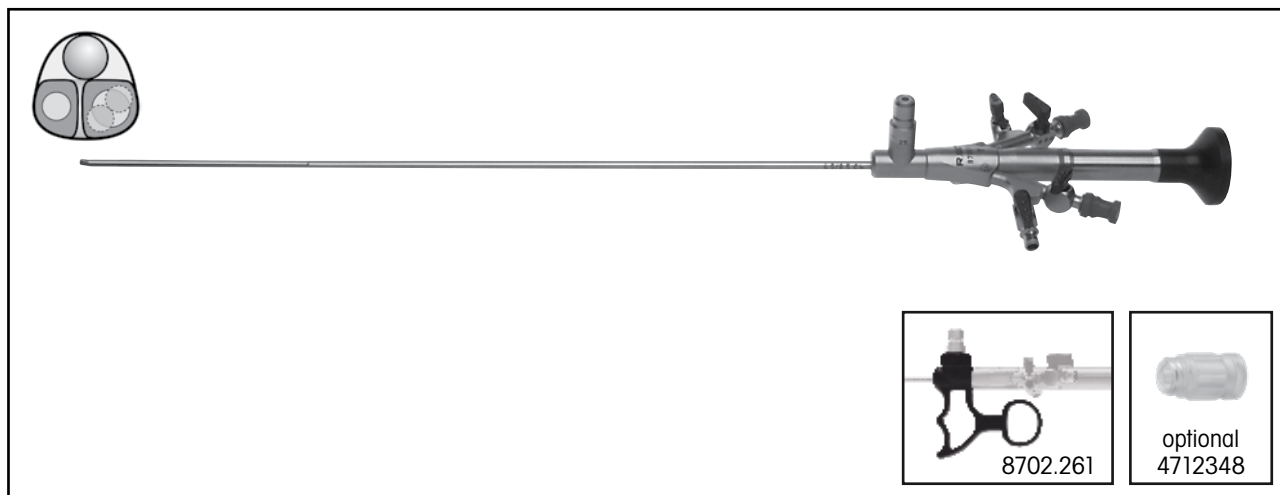
Fiber light cable set, Ø 2.5 mm, 3.0 m long **806625301**

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

URETERORENOSCOPE

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**

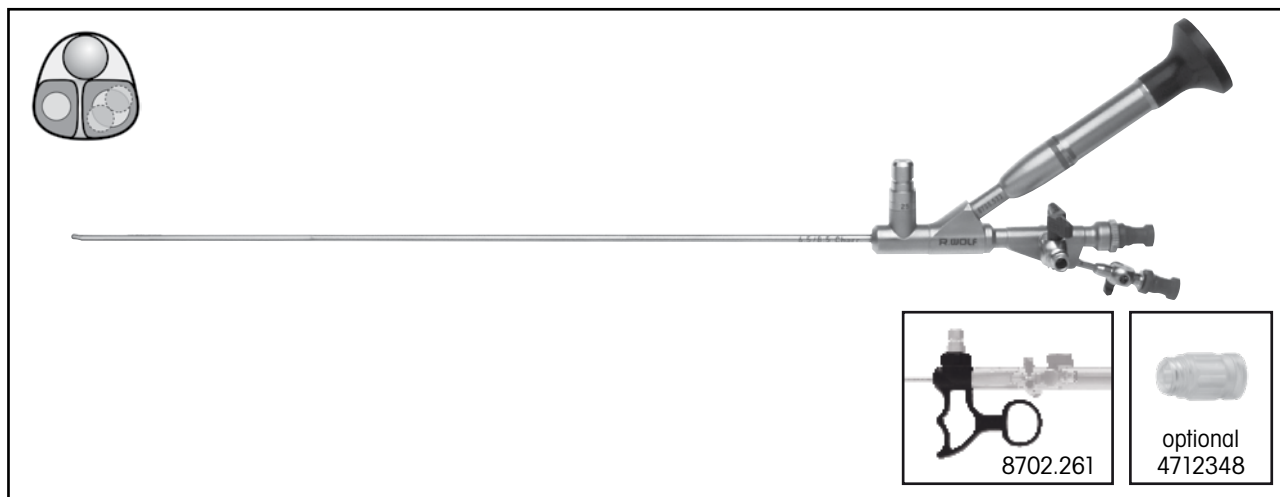
consisting of:

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

URETERORENSCOPE

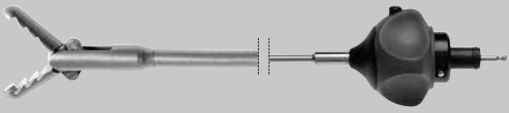







Continuous-irrigation ureterorenoscope with irrigation and instrument channel	Working length	Total length	Telescope	Fr.	Irrigation and instrument channel Fr.	for accessory instruments Fr.	Type
Continuous-irrigation ureterorenoscope, oblique eyepiece, with 2-channel continuous-irrigation system	430 mm	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.

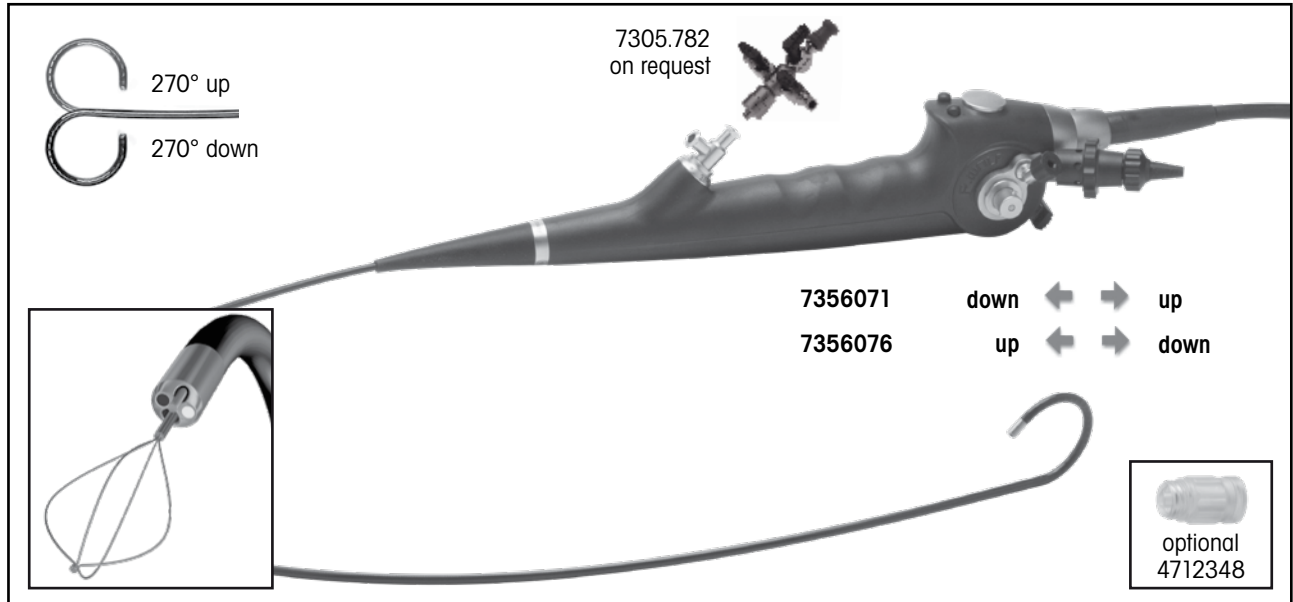
Rigid accessory instruments
micro modular system **HySafe**
360° rotatable, flushable, easy click

Insert with sheath					Handle with overload protection 	Complete Instrument • Insert with sheath • Handle
	Recommended fields of application	Types	Fr.	WL		
Biopsy forceps 	Ureterorenoscopy	8952.6008	5	550	8083.001	8952.6002
Grasping forceps with mouse jaws 		8952.6118	4	550		8952.6112
Grasping forceps with alligator jaws 		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.	0°	90°	Movement of the control lever distally - articulation of the tip downward 73560711
	7356076			Working and irrigation channel 3.6 Fr.			Movement of the control lever distally - articulation of the tip upward 73560761

URETERORENOSCOPE










Flexible 2-channel sensor ureterorenoscopes

Technical data

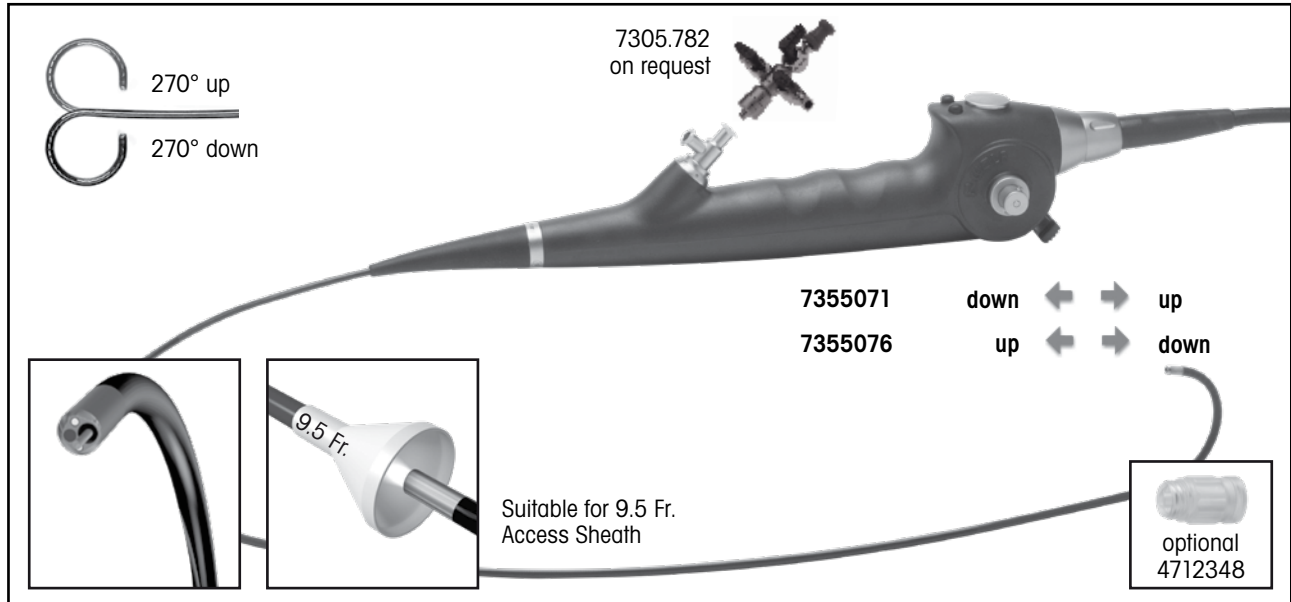
Distal tip	Cylindrical, atraumatic, oblique distal stainless steel tip 5.2 Fr.
Sheath diameter	9.9 Fr.
Number of working channels	2
Working/irrigation channel diameter	3.6 Fr.
Laser/irrigation channel diameter	2.4 Fr.
Angulation	270° upward, 270° downward
Working length	680 mm
Viewing angle	90°
Handle	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

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)

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









Flexible 1-channel sensor ureterorenoscopes

Technical data

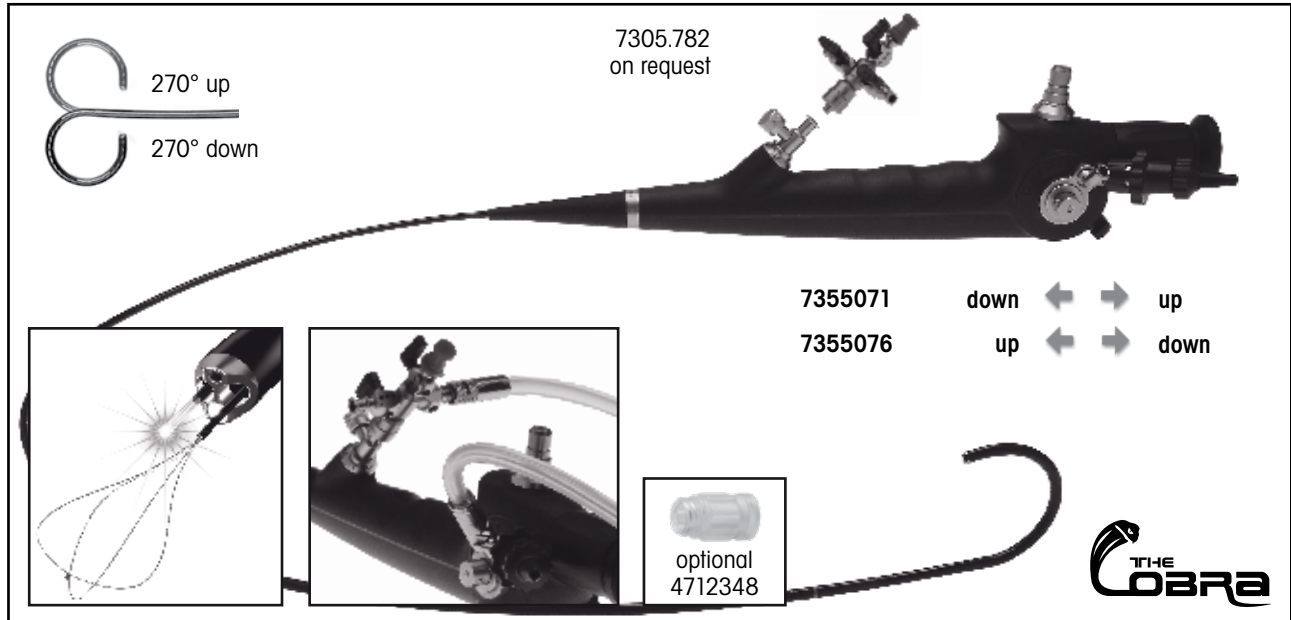
Distal tip	Cylindrical, atraumatic, oblique distal stainless steel tip 6.6 Fr.
Sheath diameter	8.7 Fr.
Number of working channels	1
Working/irrigation channel diameter	3.6 Fr.
Angulation	270° upward, 270° downward
Working length	680 mm
Viewing angle	90°
Handle	Integrated LED lighting, ergonomically contoured 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

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

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



First flexible 2-channel laser uretero-renaloscope!

- ❑ 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)



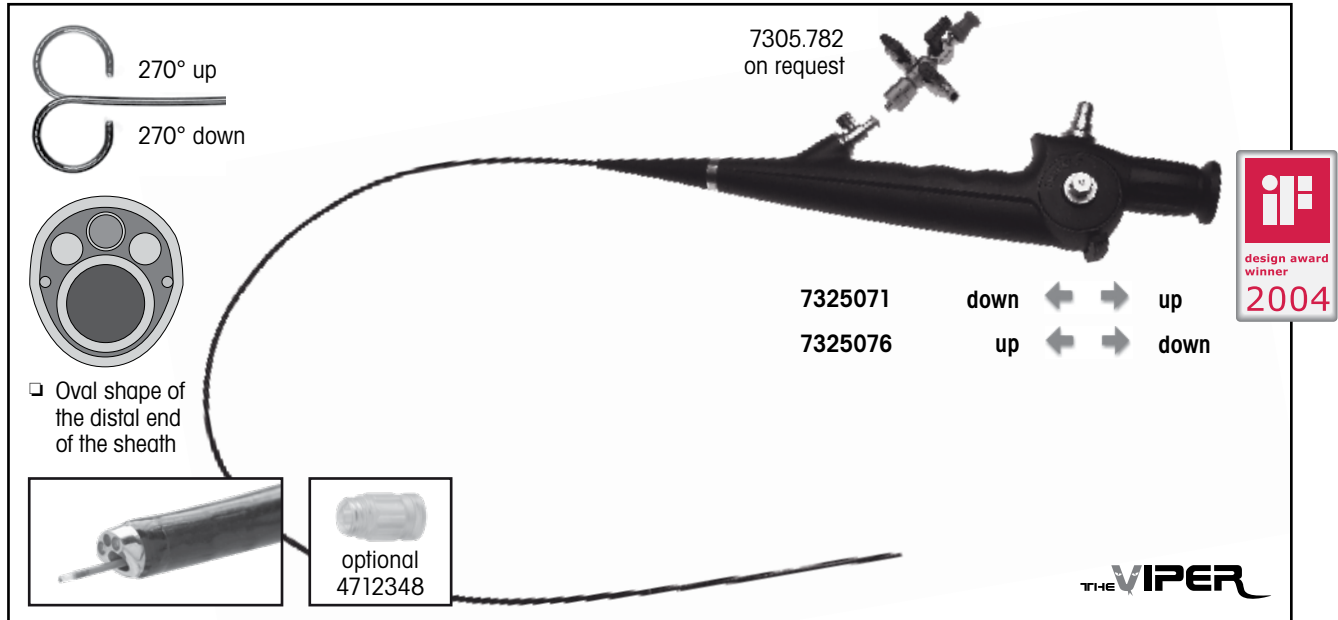
Accessories and accessory instruments

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

URETERORENOSCOPE

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:









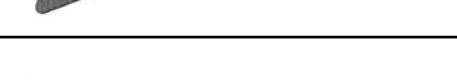



Fiber light cable (80662530), adapter projector side (8095.07) and adapter endoscope side (809509)

Accessories and accessory instruments

For flexible fiber uretero-roscope 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

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

URETERORENOSCOPE

Percutaneous low-pressure universal nephroscopes

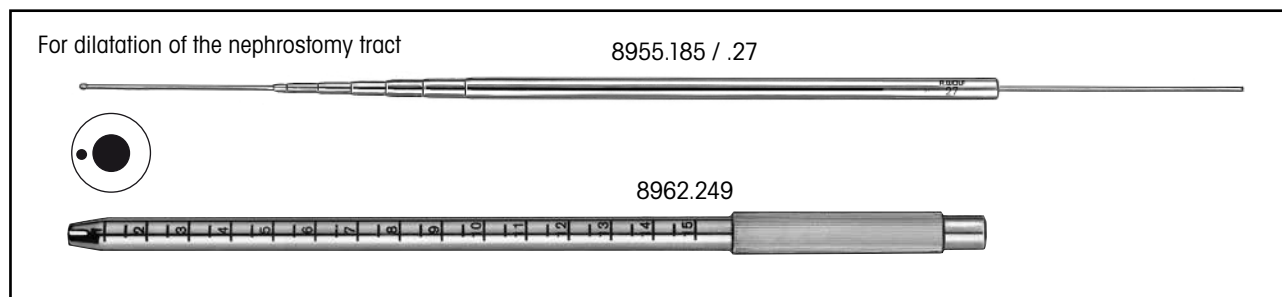


For examination, stone extraction, ultrasound litholapaxy or electro-hydraulic lithotripsy.

- ❑ 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.

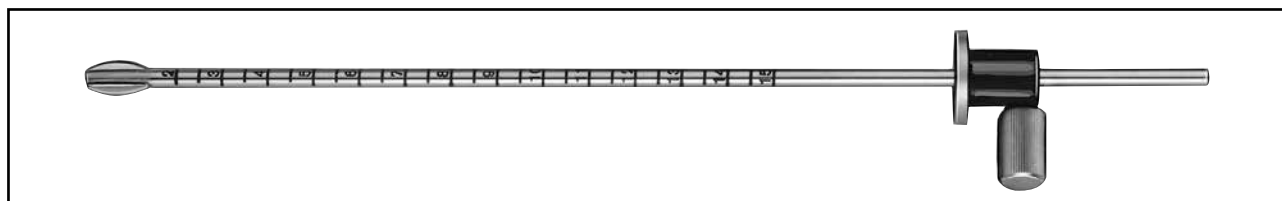
to fit over 27 Fr. dilator of 8955.27 8955.308

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

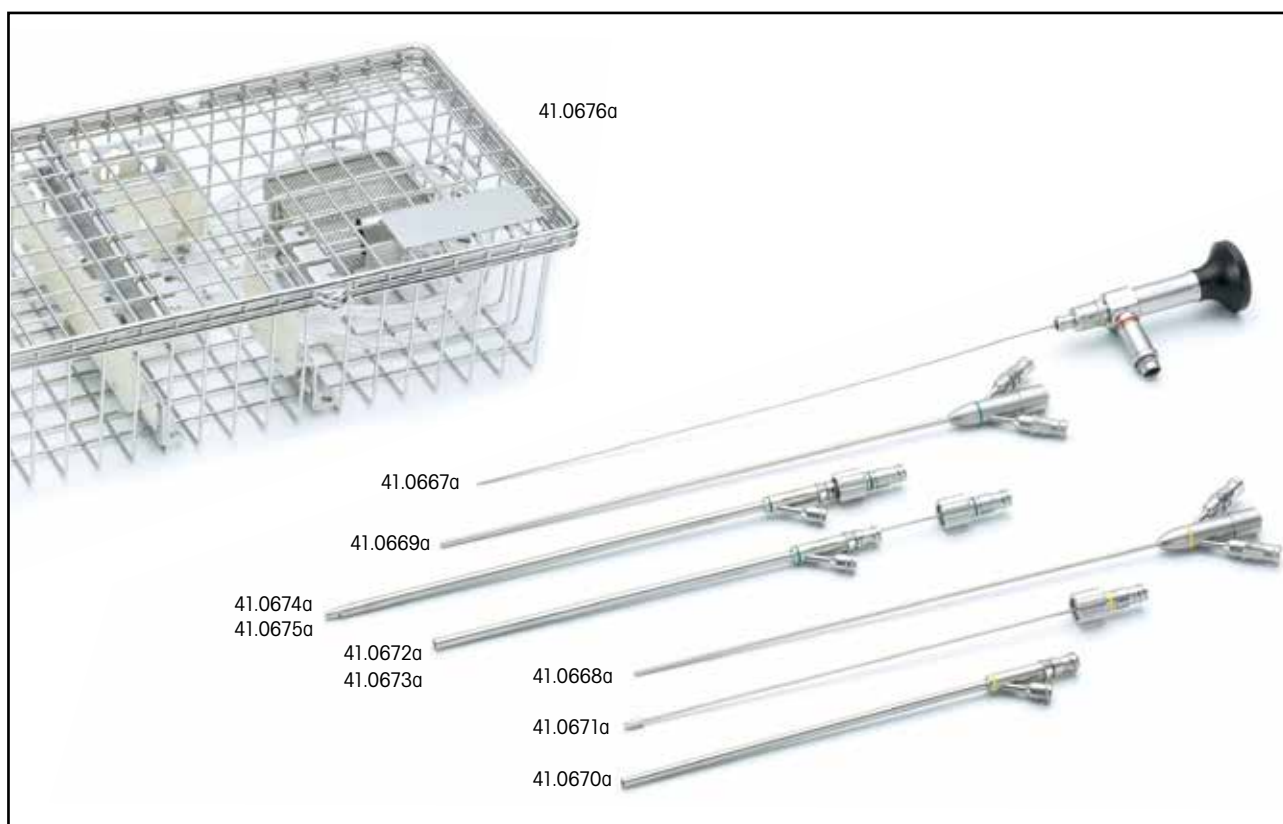
for use over a guide wire

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.

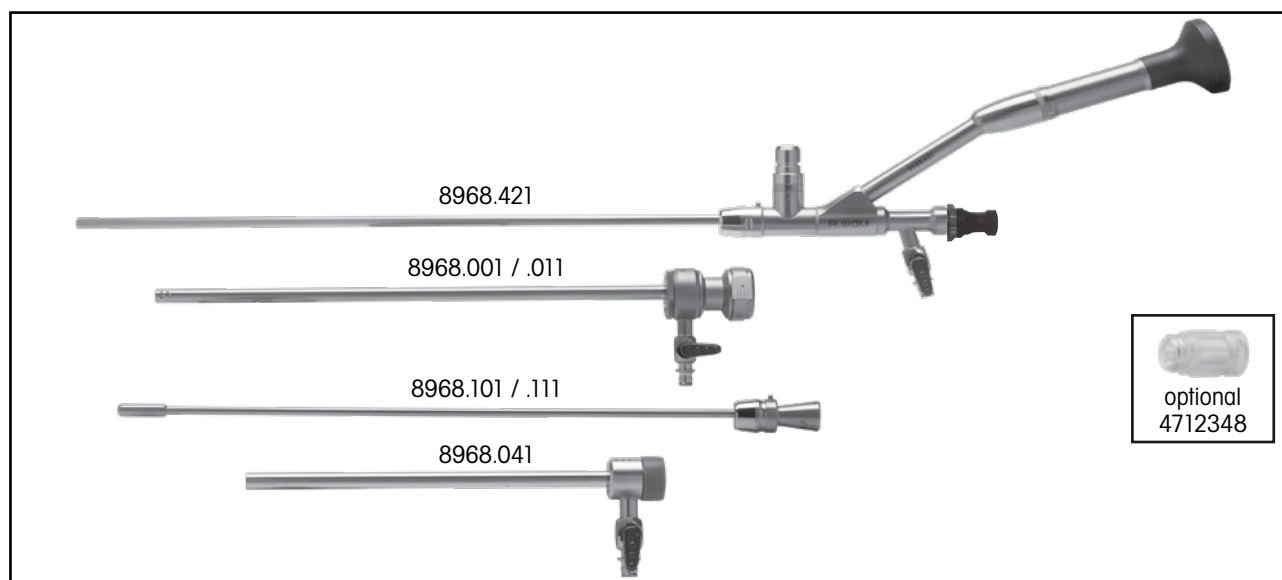
150 mm working length **41.0670a**

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

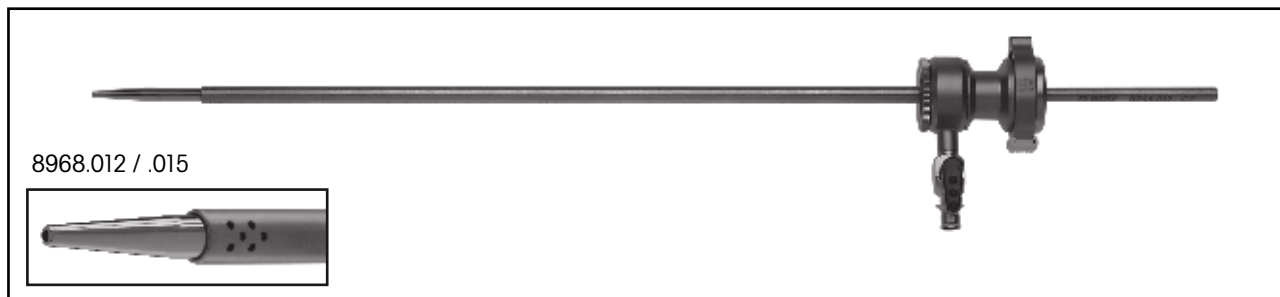
PANOVIEW OP telescope	8968.421
with laterally offset eyepiece, viewing direction 12°, outer Ø 12 Fr., 6 Fr. working channel, automatic valve with sealing membrane, WL 225 mm	
also:	
Sterile universal sealing valve, pack of 5	4712348
Recommended light cable:	
Fiber light cable set	806625301
Ø 2.5 mm, 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**

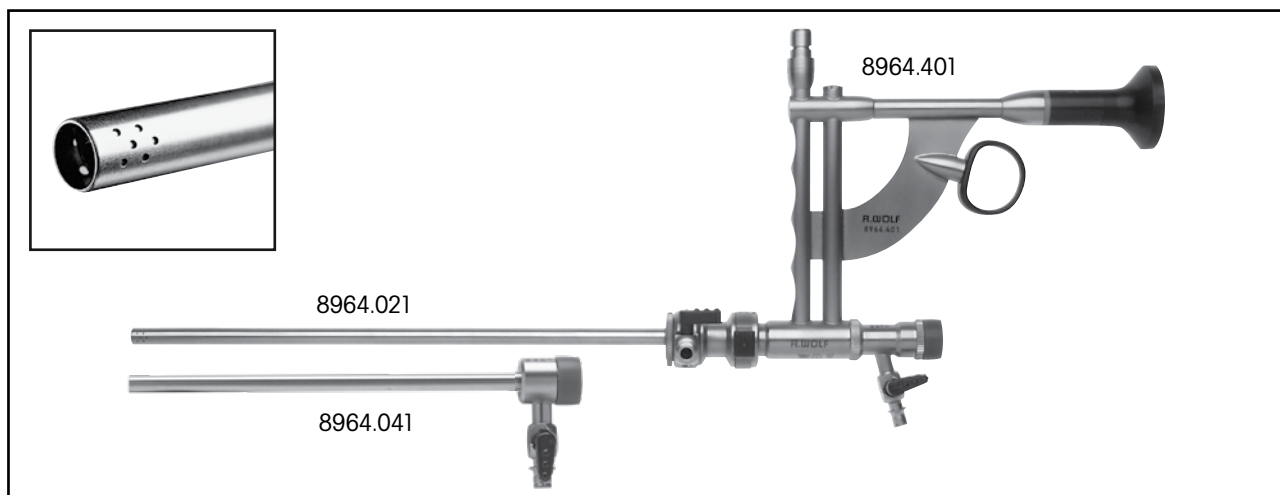
Membrane retainer, standard **15256.393**

Membrane retainer with Luer connector **15256.456**

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

NEPHROSCOPES

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

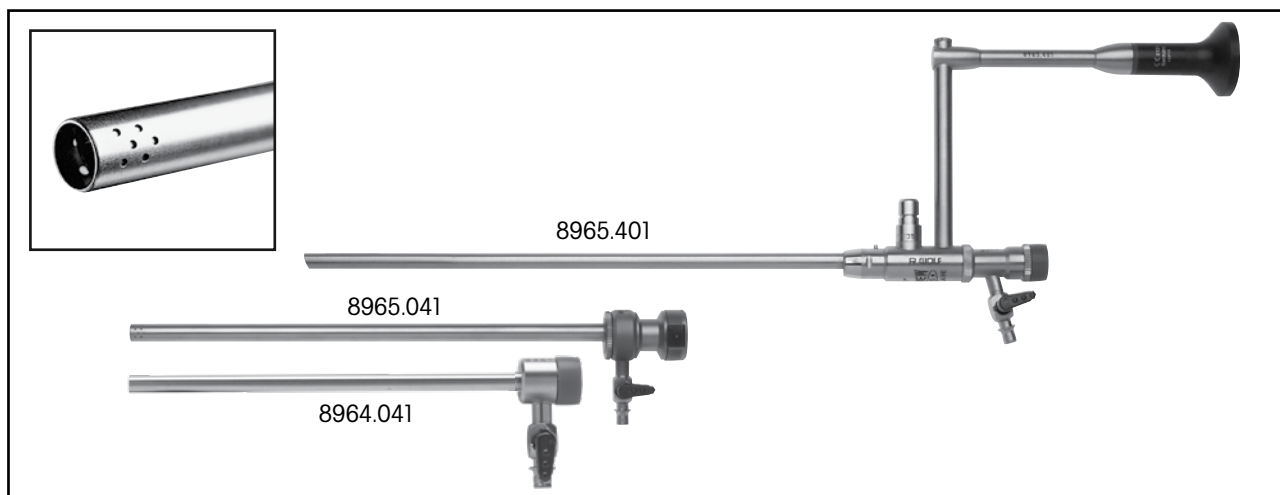
PANOVIEW operating telescope	8964.401
with parallel eyepiece, 12°, capacity 3.5 mm, oval instrument channel, WL 224 mm (8964.401), automatic valve (8964.711) with sealing membrane (pack of 5, 89.102), sealing cap blue (89.02), cleaning brush (6.05) recommended light cable:	
Fiber light cable set , Ø 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**

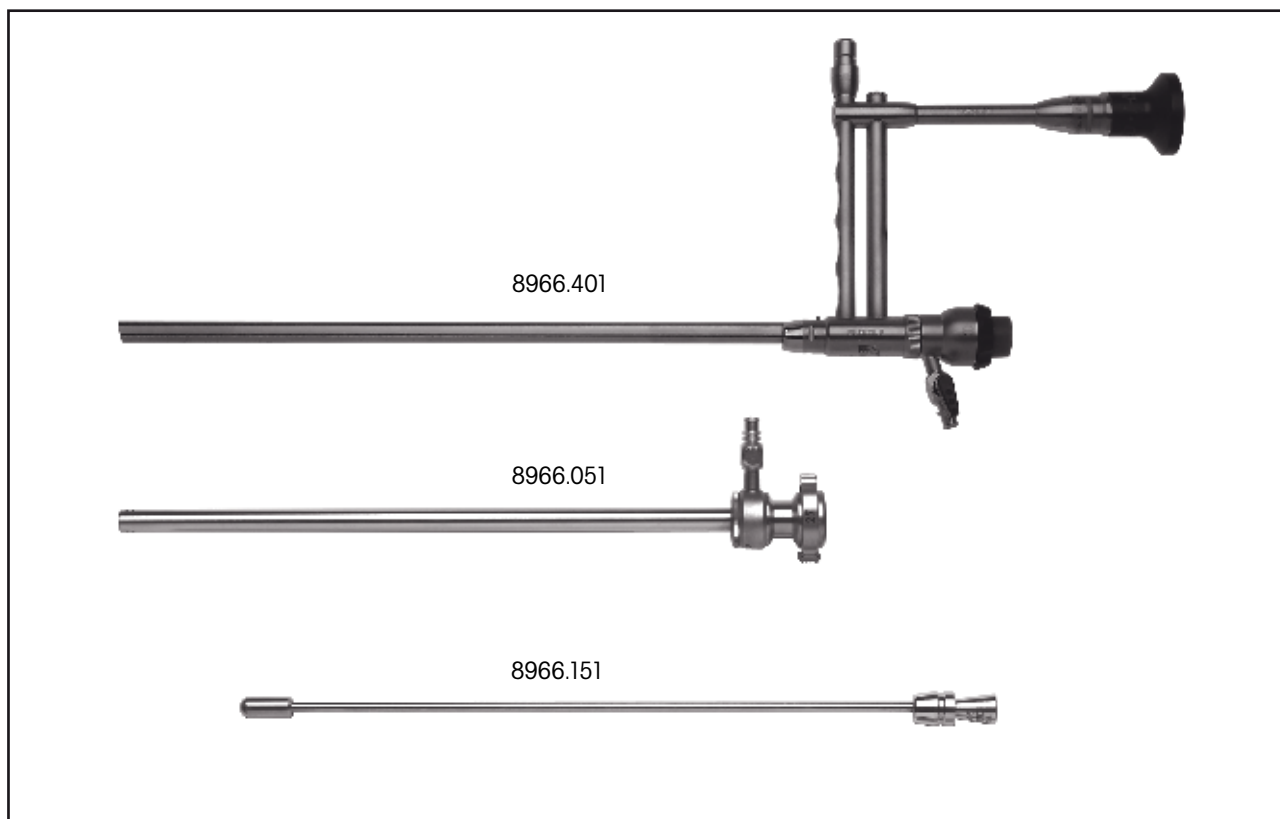
PANOVIEW telescope, 0°, Ø 4 mm **8650.414**

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**

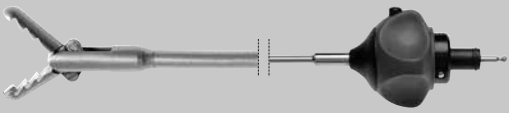

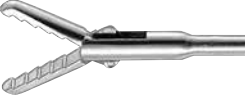





27 Fr. Extra long accessory instruments
for percutaneous universal nephroscope
long version for obese patients

		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

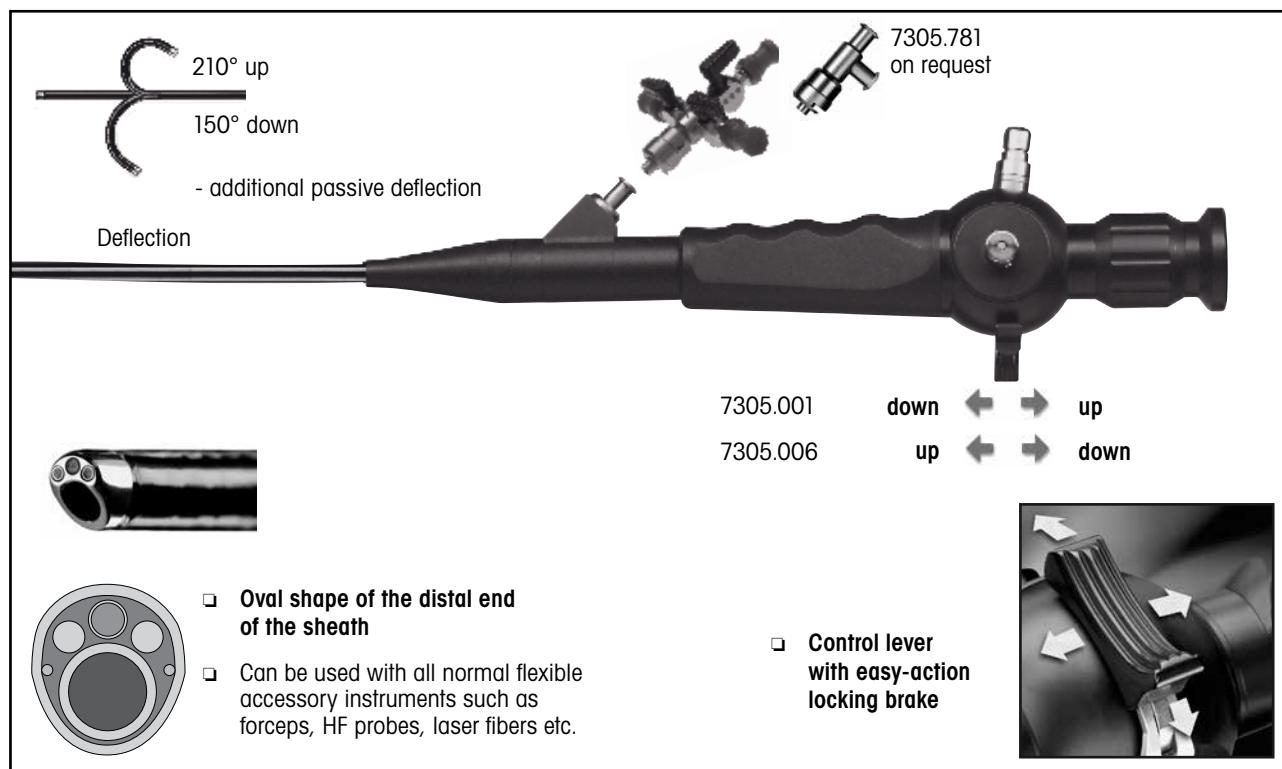
forceps and scissors, micro modular system **HySafe**

360° rotatable, flushable, easy click

Insert with sheath					Handle with overload protection 	Complete Instrument • Insert with sheath • Handle
	Recommended fields of application	Types	Fr.	WL		
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

NEPHROSCOPES

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



- 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

LITHOTRIPSY

Disposables and accessories next page.

UreTron disposables and accessories

Disposables

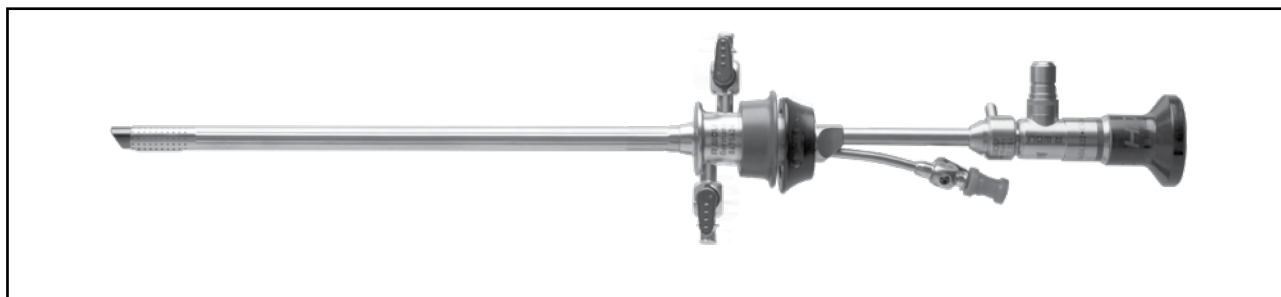
UreTron rigid sterile probe 3.5 x 370 mm	URT-PR-3.5-370S
UreTron rigid sterile probe 3.1 x 370 mm.....	URT-PR-3.1-370S
UreTron semi-rigid sterile probe 1.9 x 370 mm.....	URT-PS-1.9-370S
UreTron semi-rigid sterile probe 1.5 x 370 mm.....	URT-PS-1.5-370S
UreTron semi-rigid sterile probe 1.5 x 570 mm.....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

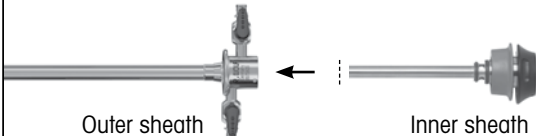





Accessories



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




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		 <p>Outer sheath Inner sheath</p>			
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
 <p>Working insert for flexible accessory instruments up to 6.5 Fr.</p>	8632.284
<p>also: Rubber cap, extended, dark orange (pack of 1)</p> 	18.01

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



Accessories:

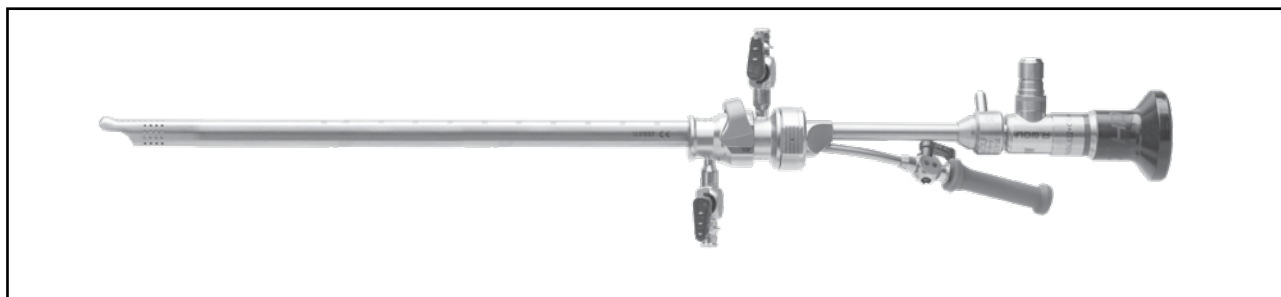
Fiber light cable set, Ø 2.5 mm, 3.0 m long **806625301**

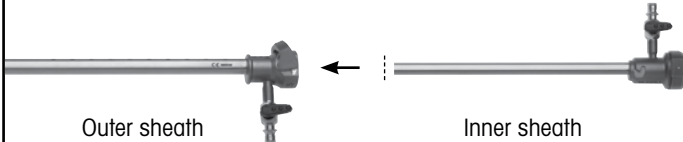




consisting of:


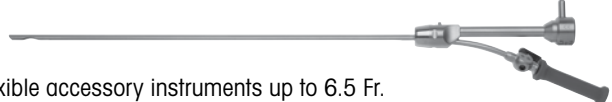
Fiber light cable (80662530), adapter projector-side (8095.07) and adapter endoscope-side (809509)


LASER THERAPY

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					
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
		8632.914
Working insert for flexible accessory instruments up to 6.5 Fr.		

Ø	Viewing direction	Types	PANOVIEW telescopes
4 mm	30°	8654.422	
	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:

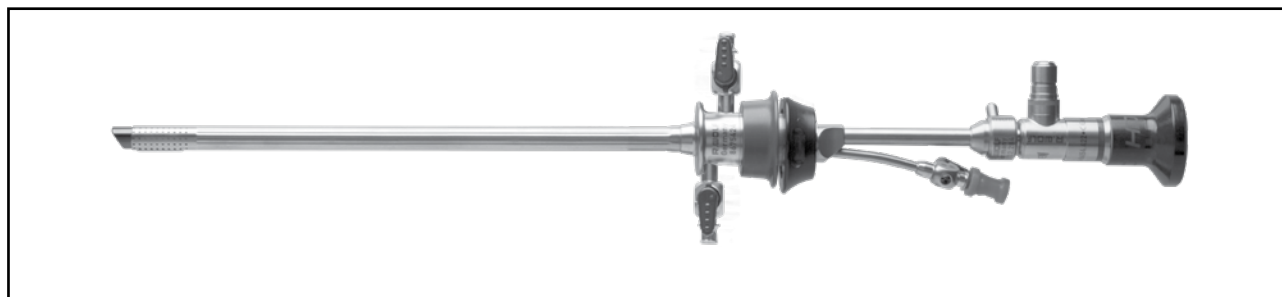
Fiber light cable (80662530), adapter projector-side (8095.07) and adapter endoscope-side (809509)

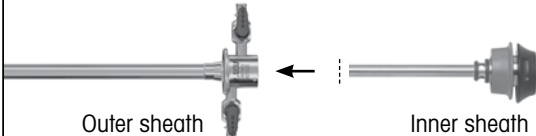





LASER THERAPY






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		 <p>Outer sheath Inner sheath</p>				
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
  <p>Working insert "Freestyle" for flexible accessory instruments up to 6.5 Fr.</p>	8632.914

Ø	Viewing direction	Types	PANOVIEW telescopes
4 mm	30°	8654.422	
	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:

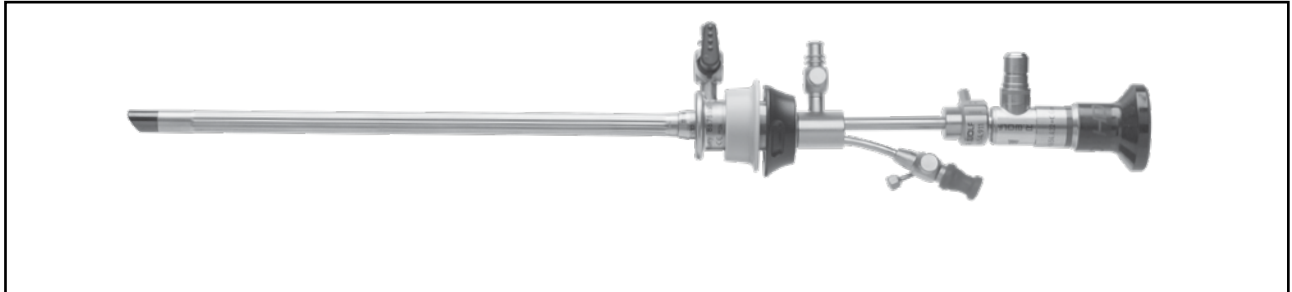
Fiber light cable (80662530), adapter projector-side (8095.07) and adapter endoscope-side (809509)








LASER THERAPY





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
Sheaths		Resectoscope sheath	Rotatable irrigation adapter				
			 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	
	12°	8654.431	



LASER THERAPY

Accessories:

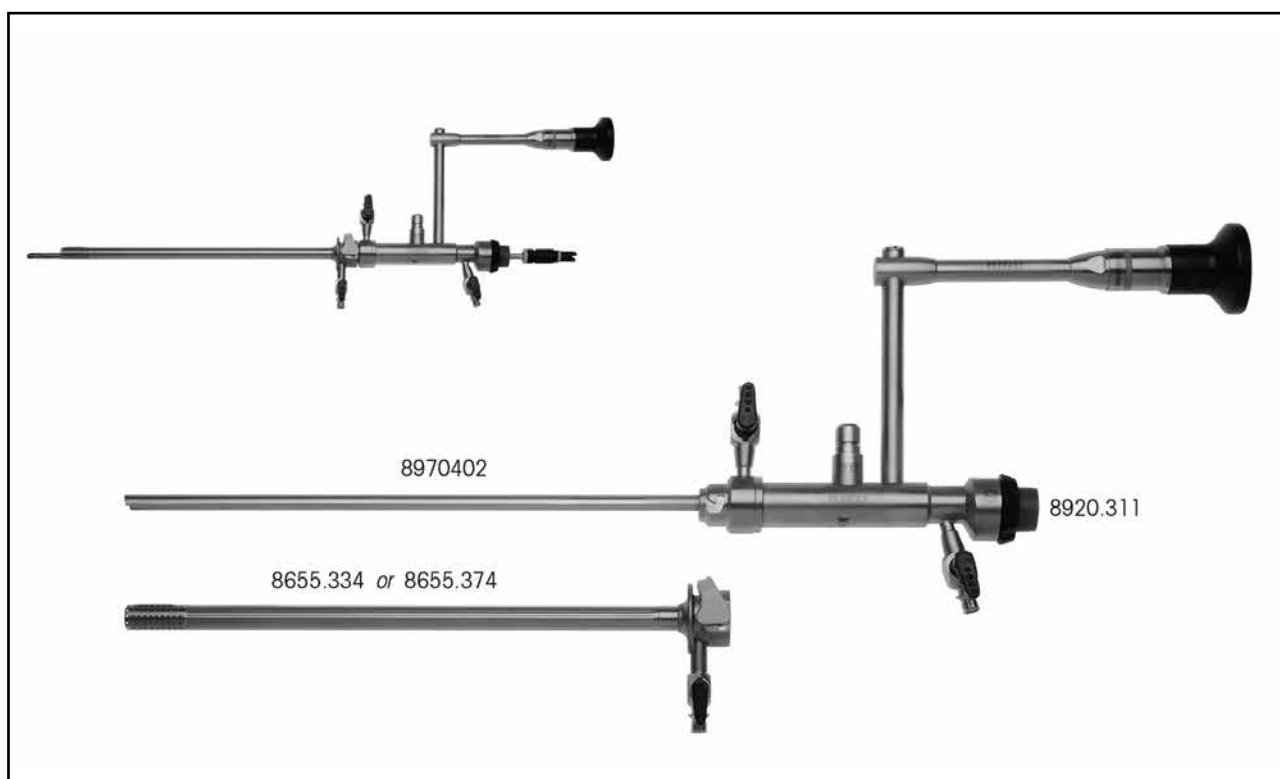
Fiber light cable set, Ø 2.5 mm, 3.0 m long **806625301**

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

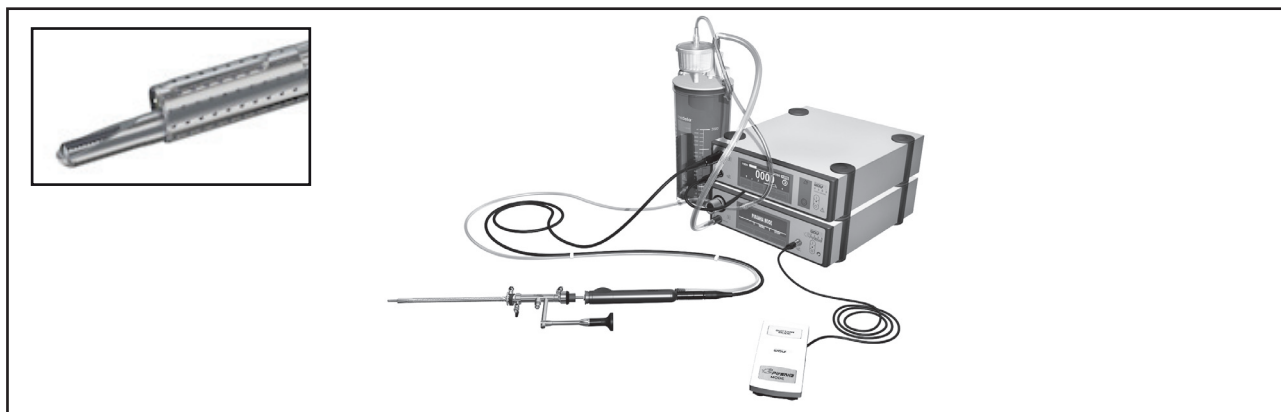
for "MORCE" scope

		Outer \varnothing	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



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**

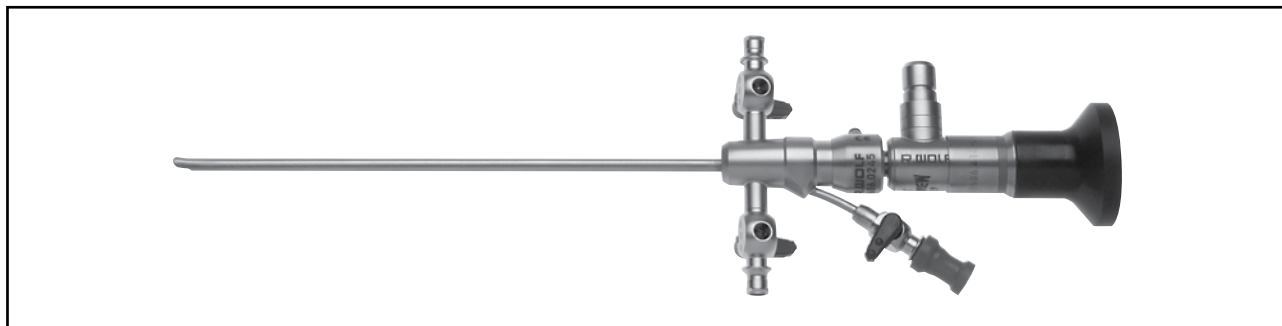
single use, Ø 4.75 mm, WL 385 mm, (pack of 3), packed singly, sterile


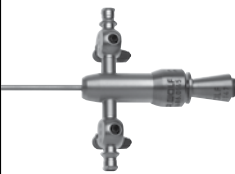

consisting of: Outer and inner blade



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	 
	25°	8686.415	

Accessories:

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

Consisting of:

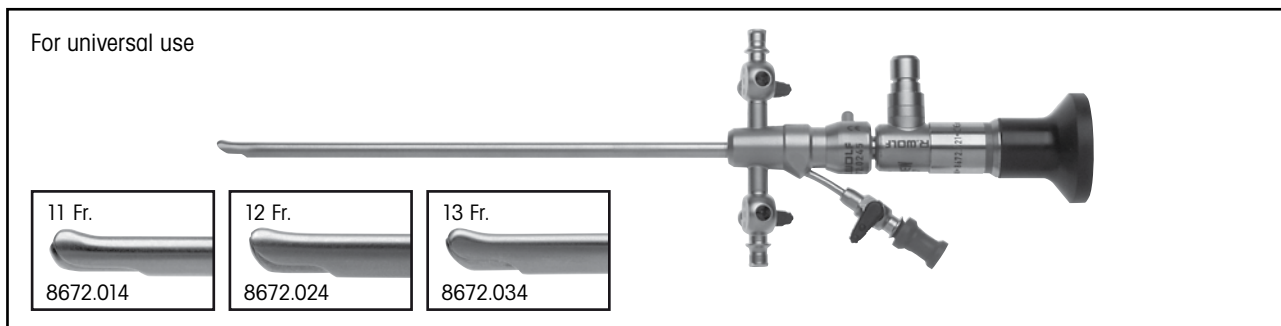
Fiber light cable (80662530), adapter projector side (8095.07) and adapter endoscope side (809509)





SMALL CALIBER


E-line

Cysto-urethroscope 8672

for telescope 2.7 mm



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	
	30°	8672.422	
	70°	8672.425	

HD
High Definition

Accessories:

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

Consisting of:

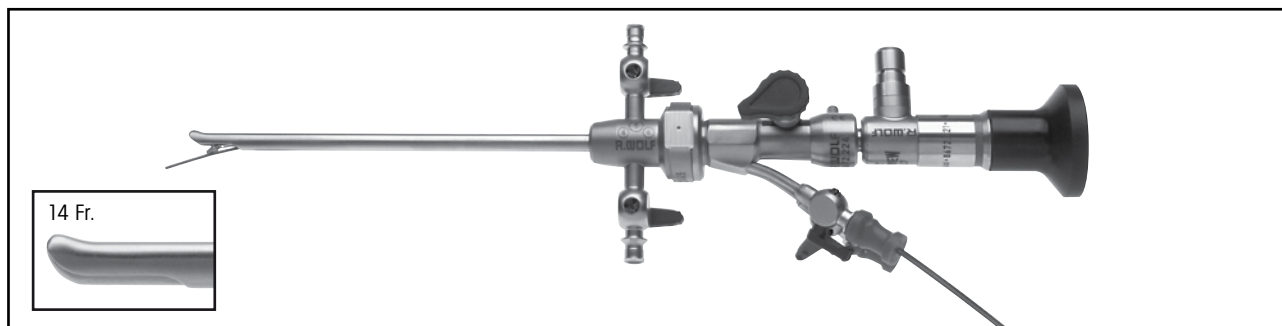
Fiber light cable (80662530), adapter projector side (8095.07) and adapter endoscope side (809509)


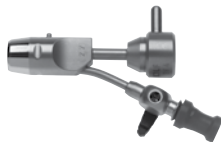


SMALL CALIBER


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:

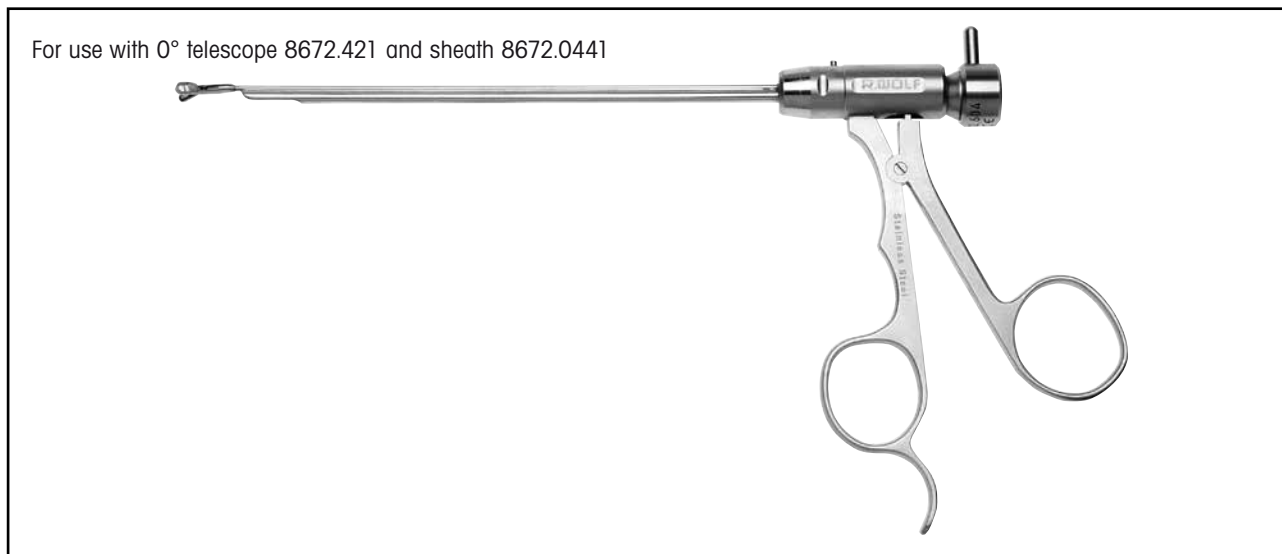
Fiber light cable set, Ø 2.5 mm, 3.0 m long **806625301**



Consisting of:

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

SMALL CALIBER

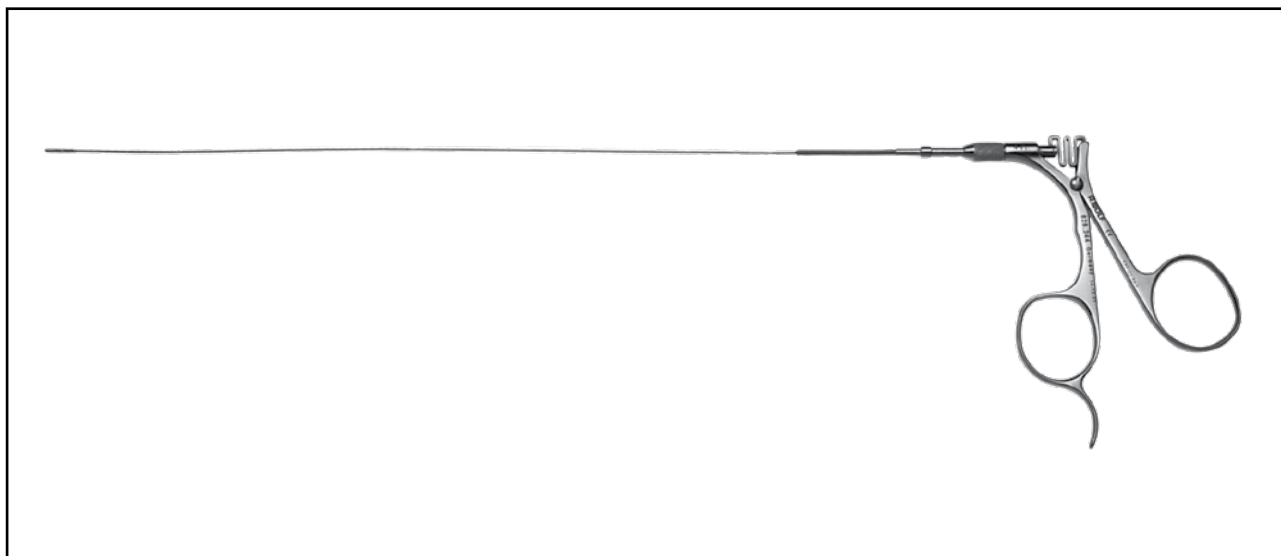
Optical forceps *E-line*
for cysto-urethroscope 8672




	for sheath	Types
<p>Biopsy forceps</p> 	14 Fr.	8672.604
<p>Foreign body forceps</p> 	14 Fr.	8672.654

SMALL CALIBER

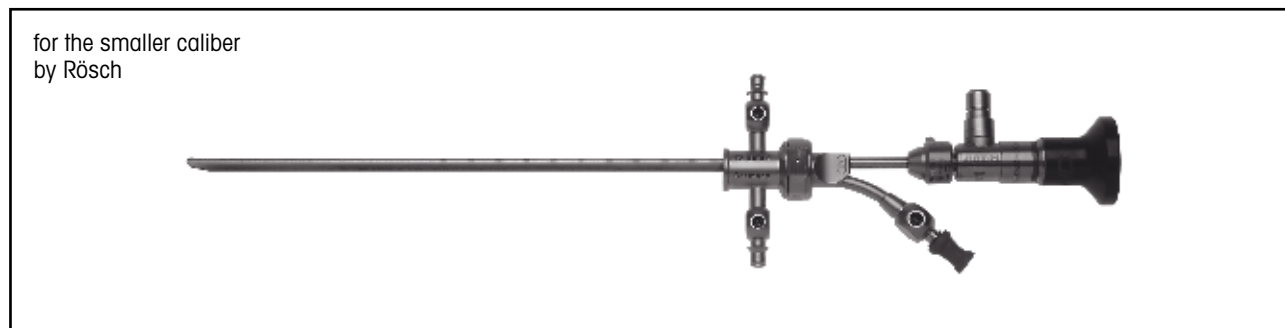
Flexible grasping forceps *E-line*
for cysto-urethrosopes 8672 and 8680





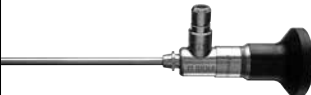

	Fr.	WL	Type
<p>Flexible grasping forceps with overload protection</p> 	4	230 mm	828.244

MIDI-size

Cysto urethroscope



Cysto-Urethroscope Sheath						Adapters
consisting of: Cysto-Urethroscope sheath, obturator and luer-lock fitting (886.00)						
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	 	

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)

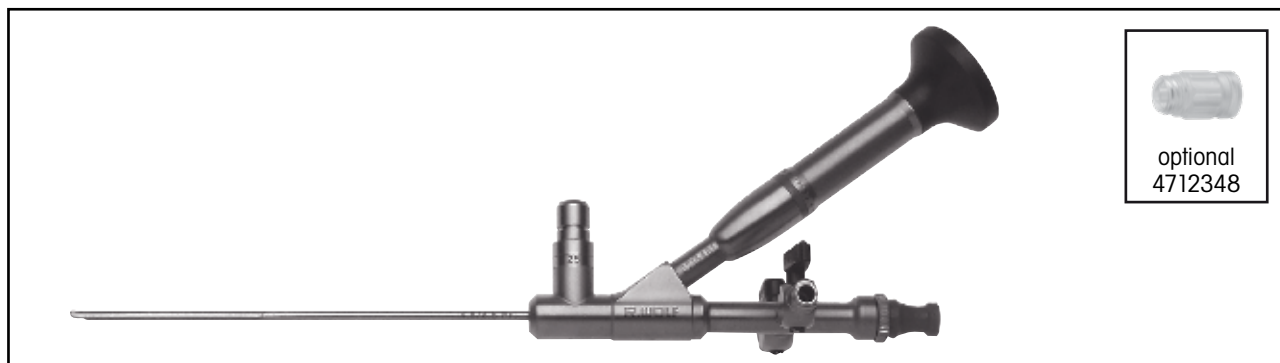
SMALL CALIBER

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:

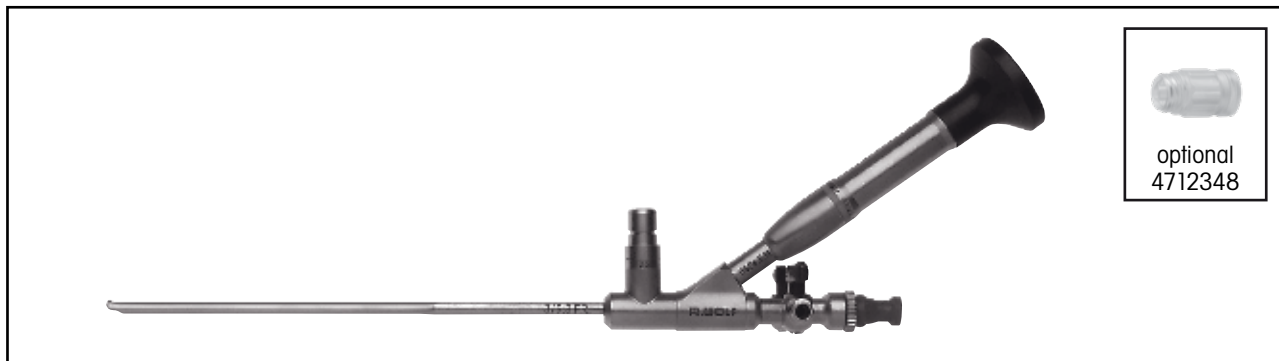
Fiber light cable set, Ø 2.5 mm, 3.0 m long **806625301**

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

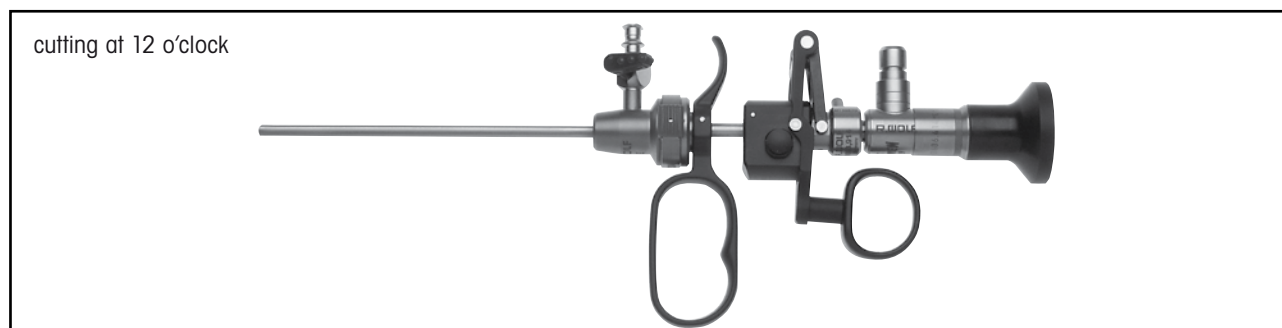





- ❑ Atraumatically shaped distal tip
- ❑ Excellent view with the PANOVIEW PLUS telescope
- ❑ High irrigation flow
- ❑ 5 Fr. irrigation and probe channel for flexible and rigid accessory instruments



	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



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	 

Accessories:

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

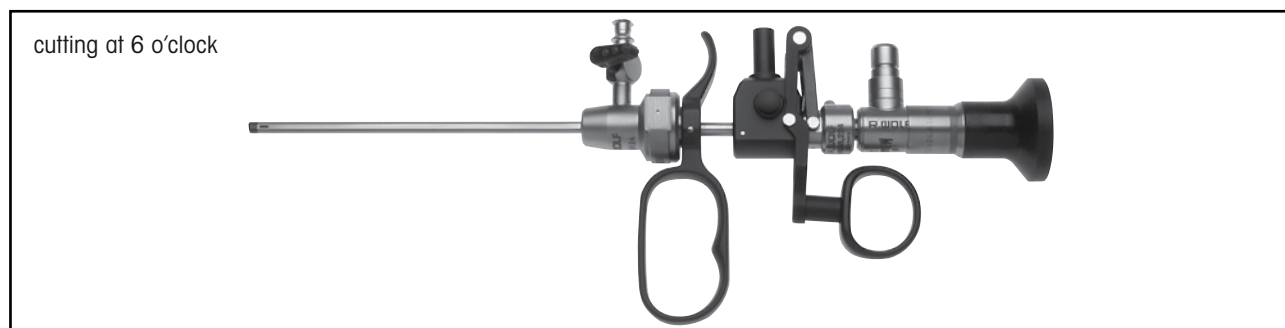
Consisting of:


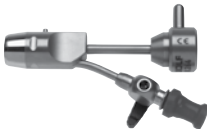

Fiber light cable (80662530), adapter projector side (8095.07) and adapter endoscope side (809509)



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



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	

∅	Viewing direction	Type	PANOVIEW telescopes, distortion-free
1.9 mm	0°	8686.414	 

Accessories:

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

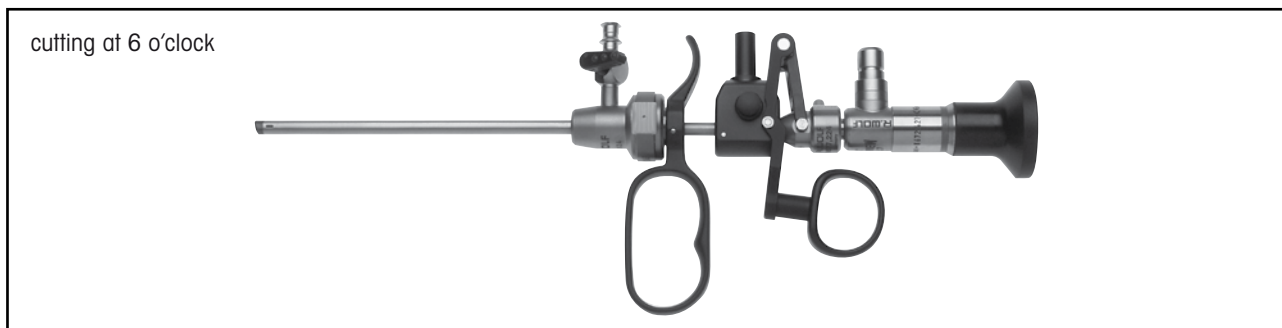
Consisting of:




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



Electrodes and stricture scalpels see page 112.

HF connecting cable see page 51.

Resectoscope *E-line*
for telescope 2.7 mm



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	 

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)

Electrodes and stricture scalpels see page 112.

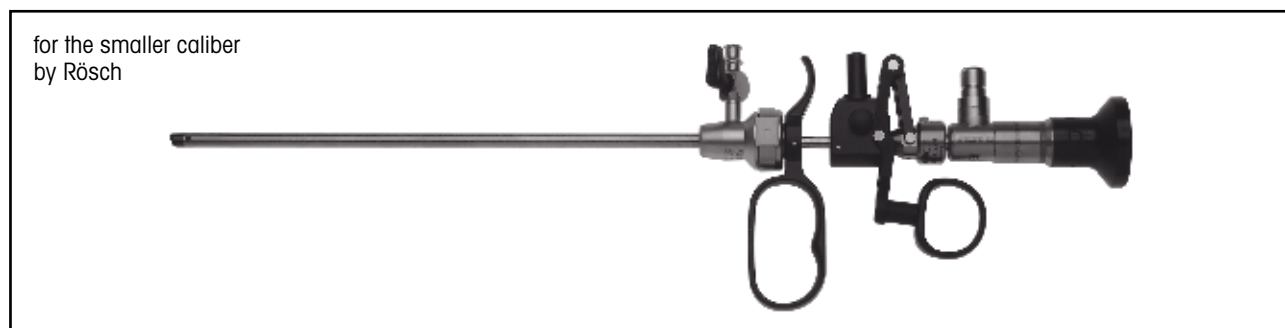
HF connecting cable see page 51.



Electrodes and stricture scalpels for resectoscope with telescope 2.7 mm and 1.9 mm

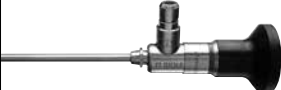

Electrodes		for resectoscope with telescope	
		1.9 mm	2.7 mm
	Cutting electrode	8688.93	8416.03
	Coagulating electrode	8688.91	8416.01
	Hook electrode	8688.95	8416.09
	Coagulating electrode angled 90° retrograde, sickle-shaped with distal ball	8688.994	

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	

MIDI-size Resectoscope



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	 

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

HF connecting cable see page 51.

Accessory instruments

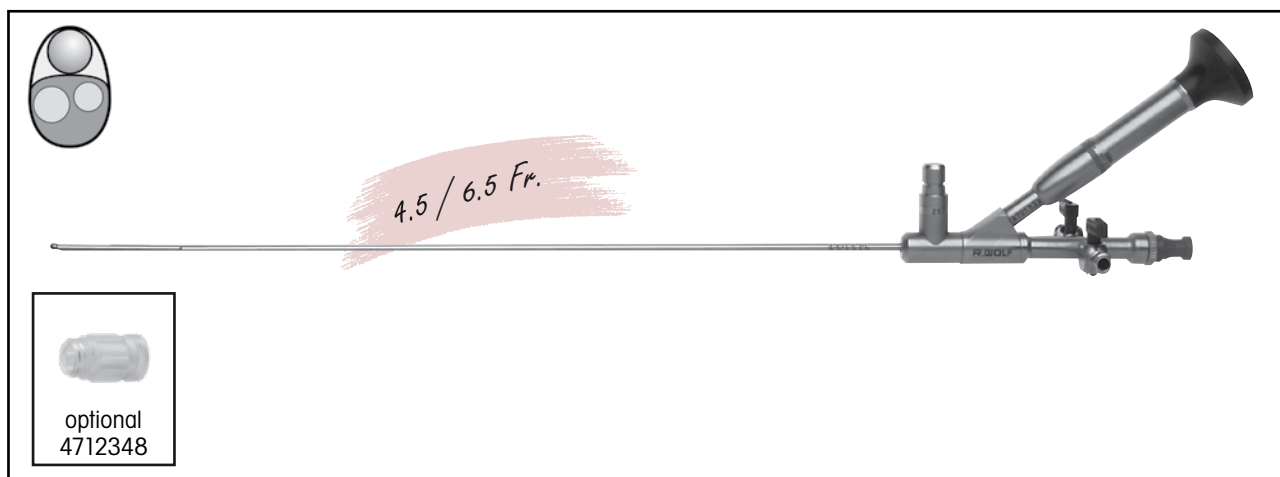
Stricture scalpels	Blade	Types
	lancet blade cutting edge on both sides	8677981

Electrodes		Types
	Coagulating electrode	8416011
	Cutting electrode	8416031
	Hook electrode	8416091

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 procedural data



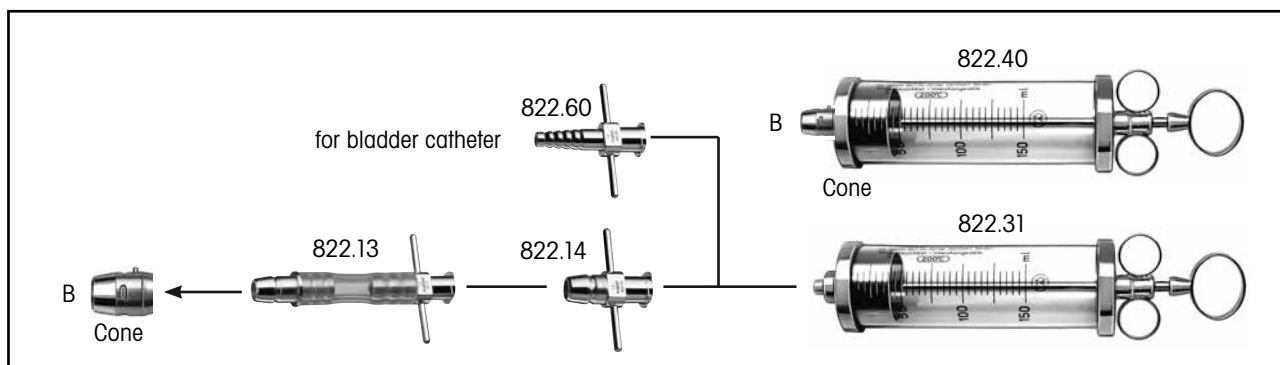
FLUID MANAGEMENT


Thermedx® FluidSmart® Fluid Management System P2000

Accessories:


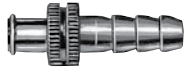

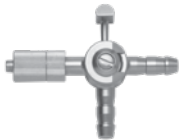

Luer lock tube set , single lumen, 10/bx, single use only	LL0002
Tubing set , single lumen, inflow with dual outflow, 5/bx, single use only	LL0004
Urology tubing set , 10/bx, single use only	LL0006
Thermedx® thermal paper refills , 58 mm x 10 m, 10/bx	00835
Bemis suction fluid canisters , 3000 mL (cc), 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

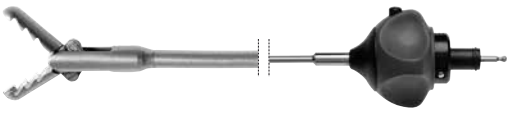


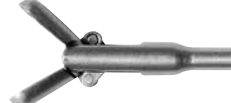






	Connection cone	mL	Spare barrel	Types
Bladder syringe	For flexible or rigid adapters	150	82295	822.31
Flexible connector	B			822.13
Rigid connector	B			822.14
Rigid adapter for bladder syringe				822.60
Bladder syringe	B	150	82295	822.40
Adapter for Toomey syringes, with cone	B			845.11
Adapter for attaching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

Luer lock connector, stopcocks and irrigation adapter

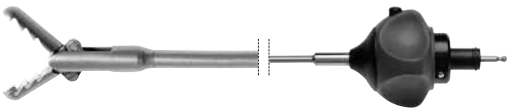




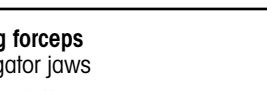

	Inner channel	female	male
Luer lock connector 	Ø 3 mm		886.00
	Ø 4 mm		886.01
Luer lock connector 	Ø 3 mm	891.00	
	Ø 4 mm	15023.041	
Stopcock with Luer lock connector 	Ø 3 mm		884.00
	Ø 4 mm		884.01
Two-way tap with Luer lock connector 	Ø 3 mm		883.00
	Ø 4 mm		883.01
Two-way tap with Luer lock connector,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

Rigid accessory instruments
micro modular system **HySafe**
360° rotatable, flushable, easy click

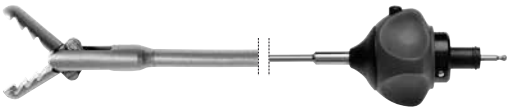







Insert with sheath					Handle with overload protection 	Complete Instrument • Insert with sheath • Handle Types
	Recommended fields of application	Types	Fr.	WL		
Grasping forceps with alligator jaws 	Cystoscopy	8642.6508	5	340	8083.001	8642.6502
Biopsy forceps, spoon 		8645.6508	7	325		8645.6502
Biopsy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

* on request

Rigid accessory instruments
micro modular system **HySafe**
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<p>Insert with sheath</p> 					<p>Handle with overload protection</p> 	<p>Complete Instrument</p> <ul style="list-style-type: none"> • Insert with sheath • Handle <p>Types</p>
<p>Biopsy forceps</p> 	<p>Recommended fields of application</p>	<p>Types</p>	<p>Fr.</p>	<p>WL</p>		<p>8952.6002</p>
<p>Grasping forceps with mouse jaws</p> 	<p>Ureterorenoscopy</p>	<p>8959.6118</p>	<p>4</p>	<p>425</p>	<p>8083.001</p>	<p>8959.6112</p>
		<p>8952.6118</p>	<p>4</p>	<p>550</p>		<p>8952.6112</p>
		<p>8959.6218</p>	<p>5</p>	<p>425</p>		<p>8959.6212</p>
		<p>8952.6218</p>	<p>5</p>	<p>550</p>		<p>8952.6212</p>
<p>Grasping forceps with alligator jaws</p> 		<p>8959.6808</p>	<p>5</p>	<p>425</p>		<p>8959.6802</p>
<p>Grasping forceps with alligator jaws</p> 		<p>8954.6808</p>	<p>5</p>	<p>550</p>		<p>8954.6802</p>
<p>Foreign body grasping forceps</p> 	<p>8952.6508</p>	<p>5</p>	<p>550</p>	<p>8952.6502</p>		
	<p>8952.6608</p>	<p>5</p>	<p>550</p>	<p>8952.6602</p>		

Rigid accessory instruments
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Insert with sheath					 Handle with overload protection	Complete Instrument • Insert with sheath • Handle Types
	Recommended fields of application	Types	Fr.	WL		
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

ACCESSORIES





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

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

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

