



*SEE THE DIFFERENCE.*

# UROLOGY

INSTRUMENT PRODUCT GUIDE



# UROLOGY

## INSTRUMENT PRODUCT GUIDE

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## **Exceptional resolution, deflection and comfort**

STRAUSS SURGICAL was founded with a singular belief – that access to groundbreaking medical device technology should be affordable. We offer a leading edge technology in the bipolar resection market along with an exclusive selection of precision engineered ureteroscopes and ultra high definition (UHD) endoscopes, designed for optimal visualization. Developed from the finest materials, each instrument in our urological lineup has been meticulously engineered and crafted to deliver superior results.



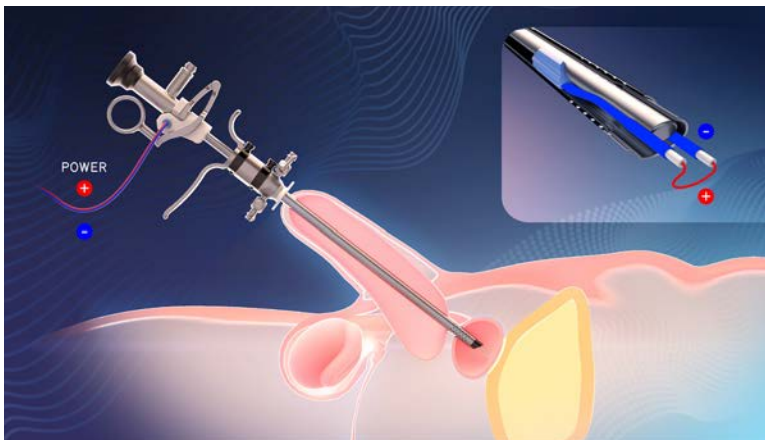
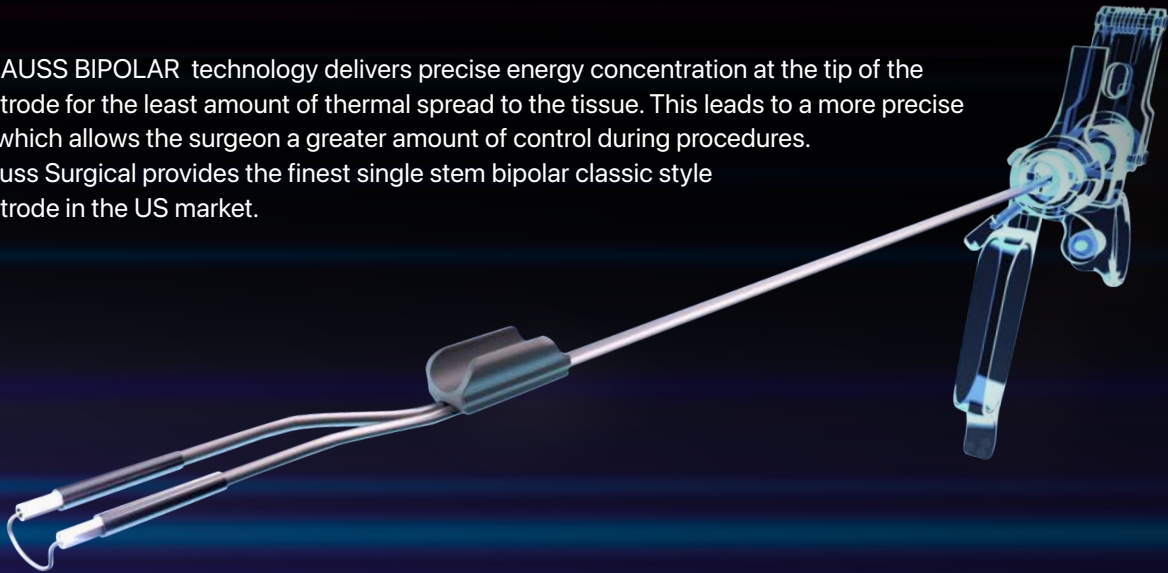


# STRAUSS

Bipolar

# BIPOLAR

STRAUSS BIPOLAR technology delivers precise energy concentration at the tip of the electrode for the least amount of thermal spread to the tissue. This leads to a more precise cut which allows the surgeon a greater amount of control during procedures. Strauss Surgical provides the finest single stem bipolar classic style electrode in the US market.



STRAUSS Bipolar system provides a regulated current flow to the tip of the electrode. This gives you precise energy for the cut and coagulation.

STRAUSS Bipolar system also alleviates unnecessary energy being in contact with patient tissue since it does not return the energy to the generator using the full resectoscope like hybrid bipolar systems do.



## MCB GENERATOR

- > The MCB Generator provides instant plasma ignition, which provides a clean consistent cut that leads to minimal to no tissue charring.
- > The STRAUSS Bipolar System eliminates the need for fluid warmers, this leads to better coagulation and visibility.

# BIPOLAR



## MCB GENERATOR

PART NUMBER	DESCRIPTION
MCB	STRAUSS Bipolar Cold Fire Electrical Surgical Unit

## PLASMA EDGE PASSIVE WORKING ELEMENT

PART NUMBER	DESCRIPTION
VP1S	Passive working element, compatible with Karl Storz®
VP3S	Passive working element, compatible with Olympus®

## PLASMA EDGE PASSIVE WORKING ELEMENT

PART NUMBER	DESCRIPTION
MV1S	Thin bipolar cutting loop
MV2S	Thick bipolar cutting loop
MVVS	Vaporization bipolar electrode
MVKS	Knife bipolar electrode

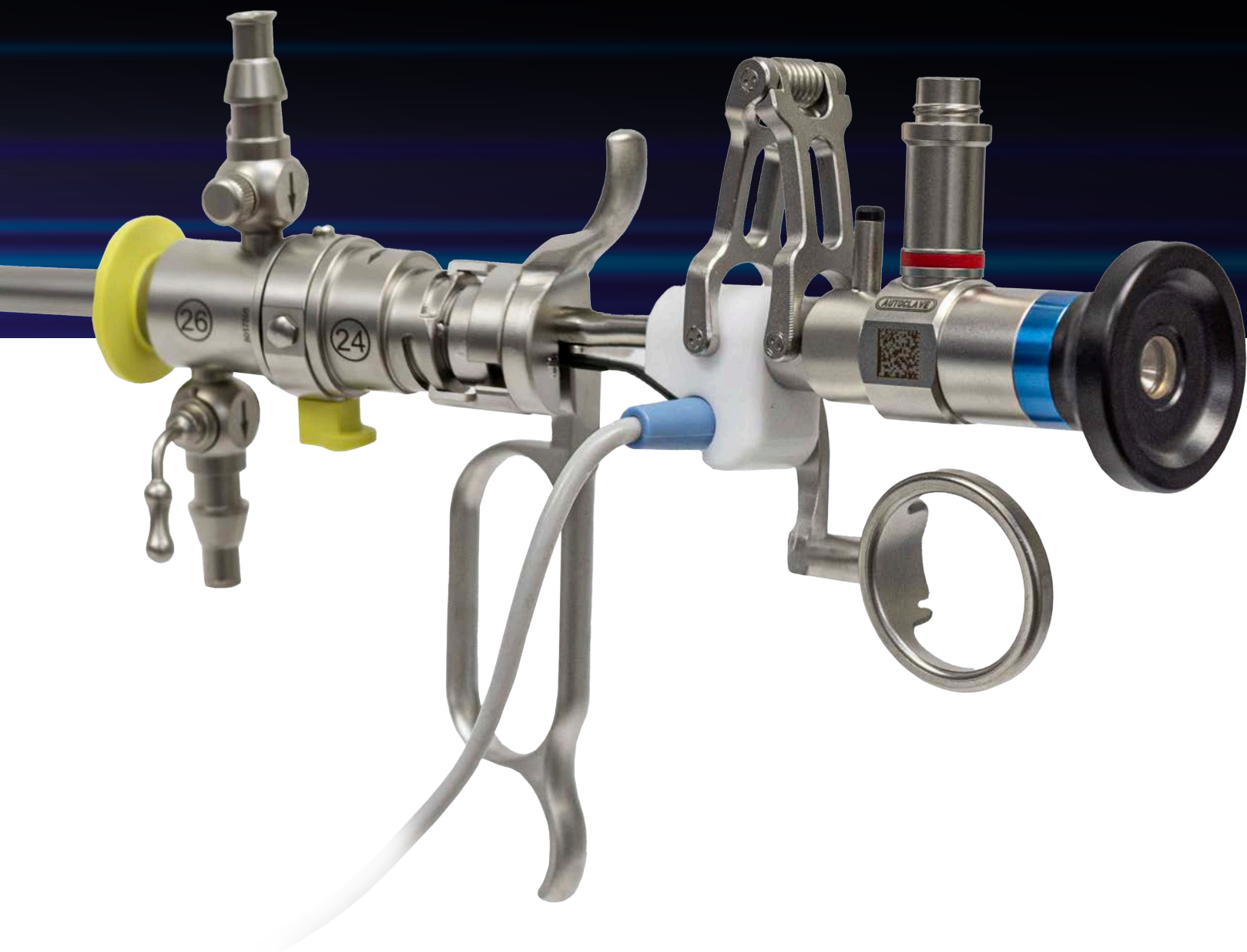
Please see Instruction of Use (IFU) for a complete listing of warnings, precautions and adverse events

# BIPOLAR

## RESECTION

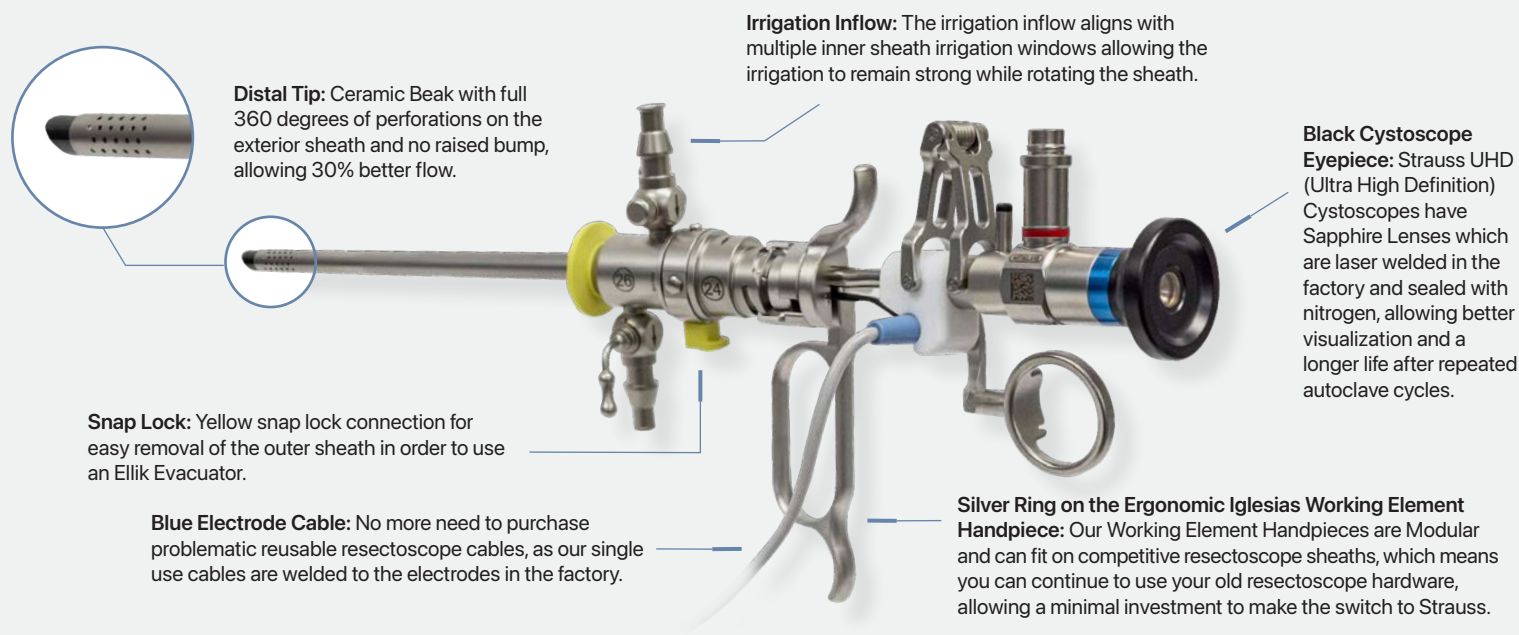
### 24/26Fr. Bipolar Resection

Strauss Surgical specializes in the precision manufacturing of laser welded Ultra High Definition (UHD) endoscopes and surgical instrumentation including the Strauss Bipolar Resection System of Cutting Edge Electrodes for TURP and TURBT procedures, including one electrode implant revision cases.



# BIPOLAR

## RESECTION



## CYSTOSCOPE

PART NUMBER	DIAMETER	VIEW	LENGTH
STS-2040-302BA	4.0 mm	30°	302 mm

## 24/26FR. BIPOLAR BAYONET-LOCK SHEATH

PART NUMBER	DESCRIPTION	SIZE
STS-URO-340-20-TL-SET	Resectoscope sheath set	26 Fr.

## VISUAL OBTURATORS

PART NUMBER	DESCRIPTION	SIZE
STS-URO-230-24	Visual obturator with 1 channel for up to 6fr instruments	24/26 Fr.
STS-URO-225-24	Visual obturator with no instrument channel	24/26 Fr.

## WORKING ELEMENTS

PART NUMBER	DESCRIPTION
VP1S	Passive working element, compatible with Karl Storz®
VP3S	Passive working element, compatible with Olympus®

Please see Instruction of Use (IFU) for a complete listing of warnings, precautions and adverse events

# BIPOLAR





## RESECTION

### 24/26Fr. Bipolar Resection

- > The complete STRAUSS BIPOLAR System which includes the generator, handpiece and electrodes is manufactured in house.
- > The STRAUSS® BIPOLAR electrode is the result of 5 years of R&D.
- > 100% of the electrodes are quality control tested to ensure patient safety and the longevity of the product.
- > Single use cables are laser welded to the electrode: this prevents several issues associated with reusable cables as well as a reduced cost per procedure.



### BIPOLAR ELECTRODES

PART NUMBER	DESCRIPTION	
MV1S	Thin bipolar cutting loop	
MV2S	Thick bipolar cutting loop	
MVVS	Vaporization bipolar electrode	
MVKS	Knife bipolar electrode	

### BIPOLAR RESECTION ACCESSORIES

PART NUMBER	DESCRIPTION
STS-URO-410-15	Bladder Syringe Bayonet Lock 150 ml
STS-URO-400-05-SET	Ellik Evacuator kit complete with sheath connection and locking device
STS-URO-400-10	Ellik Evacuator Sheath Connection; Bayonet-Lock
STS-URO-400-10-QL	Ellik Evacuator Sheath Connection; Quick-Lock
STS-URO-940-01	Luer-Lock Tubing Connector
STS-URO-940-02	Luer-Lock Tubing Connector With Stopcock



# BIPOLAR RESECTION

The Strauss Surgical recommended bipolar resection set.



## BIPOLAR RESECTION RECOMMENDED SET

PART NUMBER	DESCRIPTION	SIZE
STS-2040-302BA	HD 30° Cystoscope	4 mm x 302 mm
STS-2040-302ESA	HD 12° Cystoscope	4 mm x 302 mm
STS-URO-340-20-TL-SET	Resectoscope sheath set includes: outer sheath, rotatable Inner sheath with ceramic tip and obturator	26 Fr.
STS-URO-230-24*	Visual obturator with 1 instrument channel for 4mm cystoscope	24/26 Fr.
WORKING ELEMENT	Passive working element compatible with Karl Storz® or Olympus®	26 Fr.
STS-URO-400-10 or 10QL	Sheath connection with locking for Ellik Evacuator; in bayonett-lock or quick-lock	-
STS-URO-940-02	Luer-lock tubing connector with stopcock	-
LIGHT CABLE	Your choice of a clear case fiber optic	10 Ft.
STS-STB-H52-100P	Sterilization tray for cystoscopy and resectoscope kits	-

Visual obturator has 5 Fr. working channel which can be used for instrument insertion or a laser bridge.

## LIGHT CABLES

PART NUMBER	DESCRIPTION	SIZE
STS-LC-KK-10CLR	Clear case fiber optic cable Storz-Storz connection	10 Ft.
STS-LC-KO-10CLR	Clear case fiber optic cable, for Olympus light source and Storz/Olympusendoscope	10 Ft.
STS-LC-STR-10CLR	Clear case fiber optic cable Stryker-Storz connection	10 Ft.

# UHD CYSTOSCOPES

## UHD CYSTOSCOPES

- > Ultra HD Image
- > Color Coded
- > Compatible with different manufacturers
- > Autoclavable for 18min at 134°C / 273°F



# UHD CYSTOSCOPES

Color coding allows for fast and easy identification of the scope's field of view orientation.



TECHNOLOGY

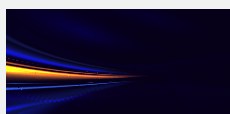
- > The optical system is calibrated and aligned with the best possible resolution, thus suited for use with HD resolution cameras.
- > The dimensions and optical parameters allow the scope to be compatible with other manufactures.
- > Scopes are subjected to endurance tests under maximum load to ensure material compatibility.
- > Outstanding performance (picture quality insertion, irrigation)
- > Safe and reliable (robust, laser welded, easy to clean)
- > Durability extends life time, resulting in low cost of ownership.
- > Optimized optical system for very bright images with rich contrast.

## COLOR CODING

ANGLE	LETTER	COLOR
0°	A	Green
12°	E	Black
30°	B	Red
70°	C	Yellow

# UHD CYSTOSCOPES

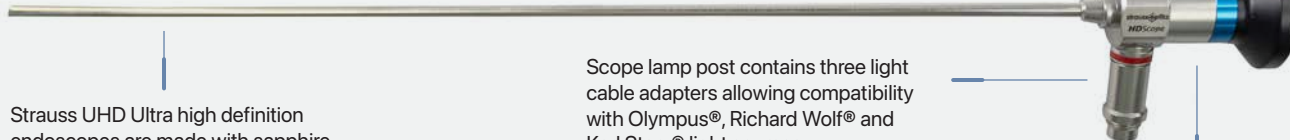
## 4 MM UHD CYSTOSCOPES



TECHNOLOGY

Strauss uses a special matte, non-coated finish with Stainless Steel tubing that is resistant to corrosion and prevents reflection of light off of the endoscope tube.

Scope body and eyepiece are laser-welded to ensure superior visualization.



Strauss UHD Ultra high definition endoscopes are made with sapphire lenses that are scratch free, fog less and prevent fluid invasion.

Scope lamp post contains three light cable adapters allowing compatibility with Olympus®, Richard Wolf® and Karl Storz® light sources.

Scope body is sealed with nitrogen to prevent fluid intrusion and to ensure longevity with repeated autoclave cycles.

## KARL STORZ® COMPATIBLE CYSTOSCOPE

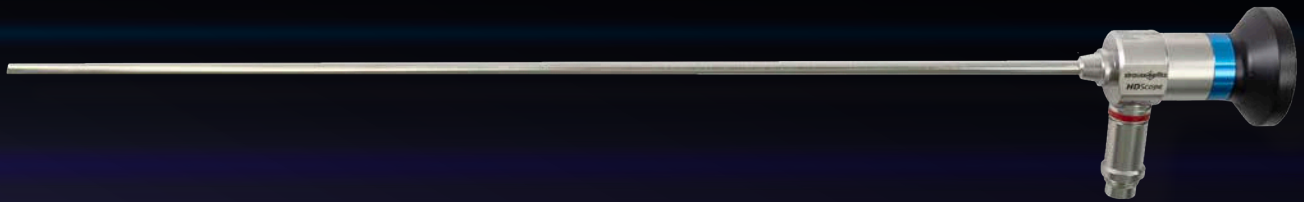
PART NUMBER	DIAMETER	VIEW	LENGTH
STS-2040-302AA	4.0 mm	0°	302 mm
STS-2040-302BA	4.0 mm	30°	302 mm
STS-2040-302CA	4.0 mm	70°	302 mm
STS-2040-302ESA	4.0 mm	12°	302 mm

## OLYMPUS® COMPATIBLE CYSTOSCOPE

PART NUMBER	DIAMETER	VIEW	LENGTH
STS-2040-280ASA-OLY	4.0 mm	0°	280 mm
STS-2040-283BA-OLY	4.0 mm	30°	283 mm
STS-2040-283CA-OLY	4.0 mm	70°	283 mm
STS-2040-280ESA-OLY	4.0 mm	12°	280 mm

# UHD CYSTOSCOPES

## 2.9 MM UHD CYSTOSCOPES



### KARL STORZ® COMPATIBLE CYSTOSCOPE

PART NUMBER	DIAMETER	VIEW	LENGTH
STS-2029-302AA	2.9 mm	0°	302 mm
STS-2029-302BA	2.9 mm	30°	302 mm

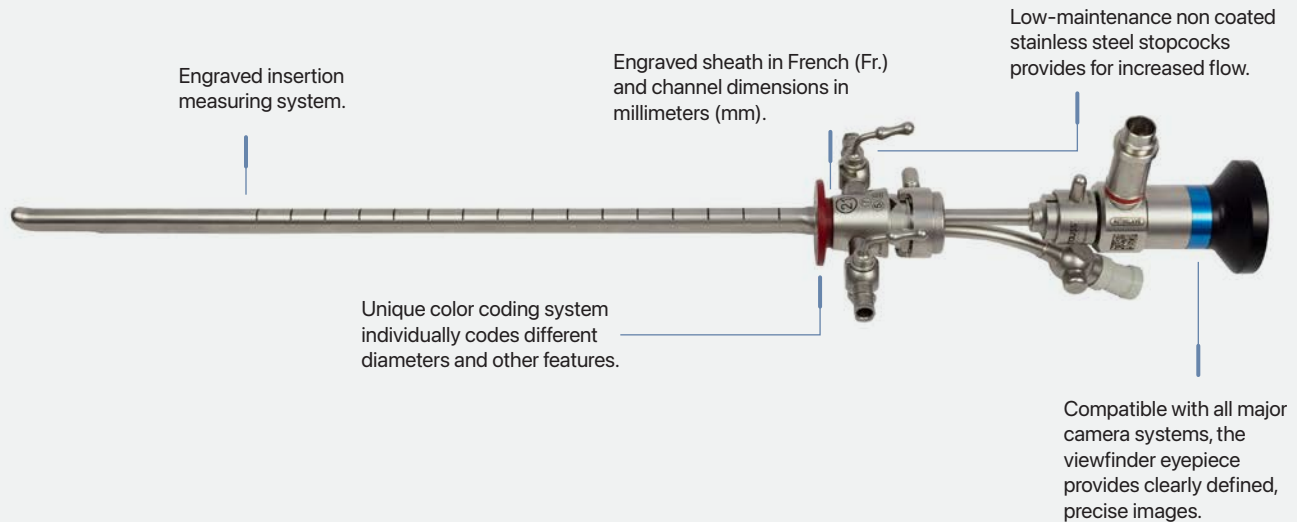
# CYSTOSCOPY





# CYSTOSCOPY






## 4 MM CYSTOSCOPY








## CYSTOSCOPES

PART NUMBER	DIAMETER	VIEW	LENGTH
STS-2040-302AA	4.0 mm	0°	302 mm
STS-2040-302BA	4.0 mm	30°	302 mm
STS-2040-302CA	4.0 mm	70°	302 mm

## CYSTOSCOPY SHEATHS

PART NUMBER	COLOR CODE	CHANNEL SIZES	SIZE
STS-URO-001-17-SET	Yellow 	5 Fr.	17 Fr.
STS-URO-001-19-SET	Green 	6 Fr.	19 Fr.
STS-URO-001-21-SET	Red 	7 Fr.	21 Fr.
STS-URO-001-23-SET	Blue 	9 Fr.	23 Fr.
STS-URO-001-25-SET	White 	10 Fr.	25 Fr.

## VISUAL OBTURATORS

PART NUMBER	COLOR CODE	WORKING LENGTH	SIZE
STS-URO-040-17	Yellow 	251mm ± 0,5 mm	17 Fr.
STS-URO-040-19	Green 	251mm ± 0,5 mm	19 Fr.
STS-URO-040-21	Red 	251mm ± 0,5 mm.	21 Fr.
STS-URO-040-23	Blue 	251mm ± 0,5 mm	23 Fr.
STS-URO-040-25	White 	251mm ± 0,5 mm	25 Fr.

Please see Instruction of Use (IFU) for a complete listing of warnings, precautions and adverse events

# CYSTOSCOPES

## 4 MM CYSTOSCOPY

### ALBARRAN DEFLECTORS

PART NUMBER	DESCRIPTION
STS-URO-216-ALB	Albarran Deflector with 1 x instrument channel with Notches.
STS-URO-217-ALB	Albarran Deflector with 2 x instrument channel with Notches.

### BRIDGES

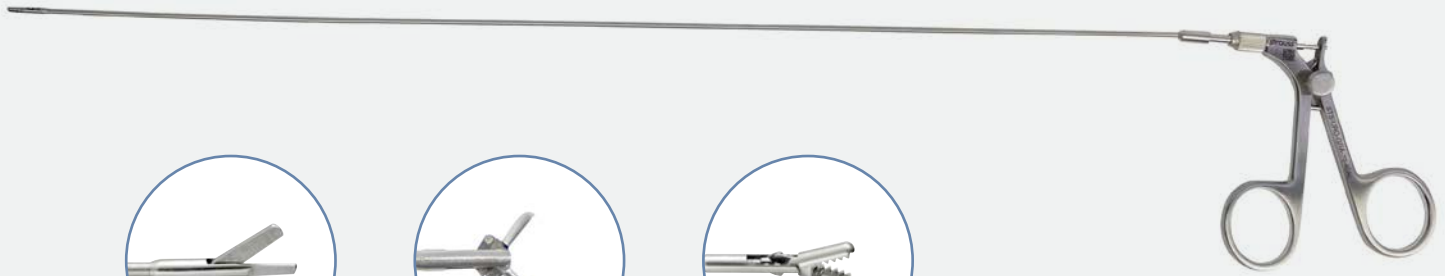
PART NUMBER	NUMBER OF CHANNELS	SIZE
STS-URO-030-00	-	17 – 25 Fr.
STS-URO-030-01	1	17 – 25 Fr.
STS-URO-050-02	2	17 – 25 Fr.

### OPTICAL FORCEPS

PART NUMBER	DESCRIPTION	SIZE
STS-URO-BIO-43-OPT	Optical Biopsy Spoon Forceps, Double Action Jaws with Coated Handle	4.3 mm
STS-URO-GRA-43-OPT	Optical Grasping Forceps, Serrated, Double Action Jaws with Coated Handle	5.3 mm

# CYSTOSCOPY

## 4 MM CYSTOSCOPY



Scissors

Biopsy Forceps

Grasping Forceps

### FLEXIBLE SCISSORS

PART NUMBER	DESCRIPTION	LENGTH
STS-URO-SCI-70-40BF	Scissors, single action	7 Fr., 40 cm

### FLEXIBLE BIOPSY FORCEPS

PART NUMBER	DESCRIPTION	LENGTH
STS-URO-BIO-70-40F	Biopsy forceps oval spoon, double action	7 Fr., 40 cm

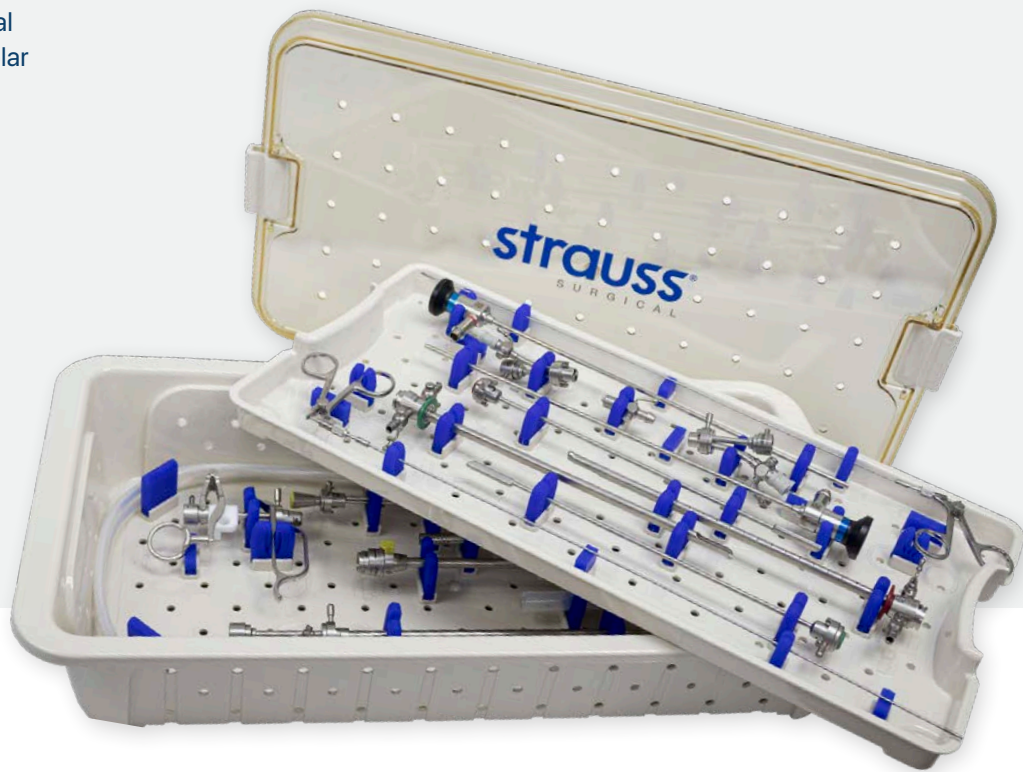
### FLEXIBLE GRASPING FORCEPS

PART NUMBER	DESCRIPTION	LENGTH
STS-URO-GRA-70-40AF	Grasping Forceps, alligator, double action	7 Fr., 40 cm

# CYSTOSCOPES

## RECOMMENDED CYSTO/RESECTION SET

The Strauss Surgical recommended bipolar resection set.



# CYSTOSCOPES

## RECOMMENDED CYSTO/RESECTION SET

### BIPOLAR RESECTION RECOMMENDED SET

PART NUMBER	DESCRIPTION	SIZE
STS-2040-302BA	HD 30° Cystoscope	4 mm x 302 mm
STS-2040-302CA	HD 70° Cystoscope	4 mm x 302 mm
STS-URO-001-19-SET	Cystoscopy Sheath and Obturator, Green	19 Fr.
STS-URO-001-21-SET	Cystoscopy Sheath and Obturator, Red	21 Fr.
STS-URO-001-23-SET	Cystoscopy Sheath and Obturator, Blue	23 Fr.
STS-URO-030-01 <sup>1</sup>	1 Instrument Channel Telescope Bridge	17 – 25 Fr.
STS-URO-050-02	2 Instrument Channel Telescope Bridge	17 – 25 Fr.
STS-URO-BIO-70-40F	Flexible Oval Double Action Biopsy Forceps	7 Fr. x 400 mm
STS-URO-GRA-70-40AF	Flexible Double Action Alligator Grasping Forceps	7 Fr. x 400 mm
LIGHT CABLES	Your choice of a Clear Case Fiber Optic	10 Ft.
STS-URO-940-02	Luer-Lock Tubing Connector With Stopcock	-
STS-STB-H52-100P	Sterilization Tray for Cystoscopy and Resectoscope Kits	-

<sup>1</sup> Low angle bridge allows for easy insertion of guidewires and instruments which leads to a consistent exit of devices.

### LIGHT CABLES

PART NUMBER	DESCRIPTION	SIZE
STS-LC-KK-10CLR	Clear case fiber optic cable Storz-Storz connection	10 Ft.
STS-LC-KO-10CLR	Clear case fiber optic cable, for Olympus light source and Storz/Olympus endoscope	10 Ft.
STS-LC-STR-10CLR	Clear case fiber optic cable Stryker-Storz connection	10 Ft.

# DVIU

## 21 FR. URETHROTOME



### CYSTOSCOPE

PART NUMBER	DIAMETER	VIEW	LENGTH
STS-2040-302AA	4.0 mm	0°	302 mm

### 21 FR. URETHROTOME SHEATH

PART NUMBER	DESCRIPTION	LENGTH
STS-URO-730-01-SET	Continuous flow urethrotome sheath with one 5Fr. instrument channel	21 Fr.
Consisting of:		
STS-URO-730-01	Outer sheath	
STS-URO-730-70	Obturator	
STS-URO-730-03	Outer sheath, half round for placing balloon catheter	

### BRIDGE

PART NUMBER	DESCRIPTION	LENGTH
STS-URO-730-02	Telescope adapter with 1 instrument channel for 5 Fr. Flexible instrument	17-25 Fr.

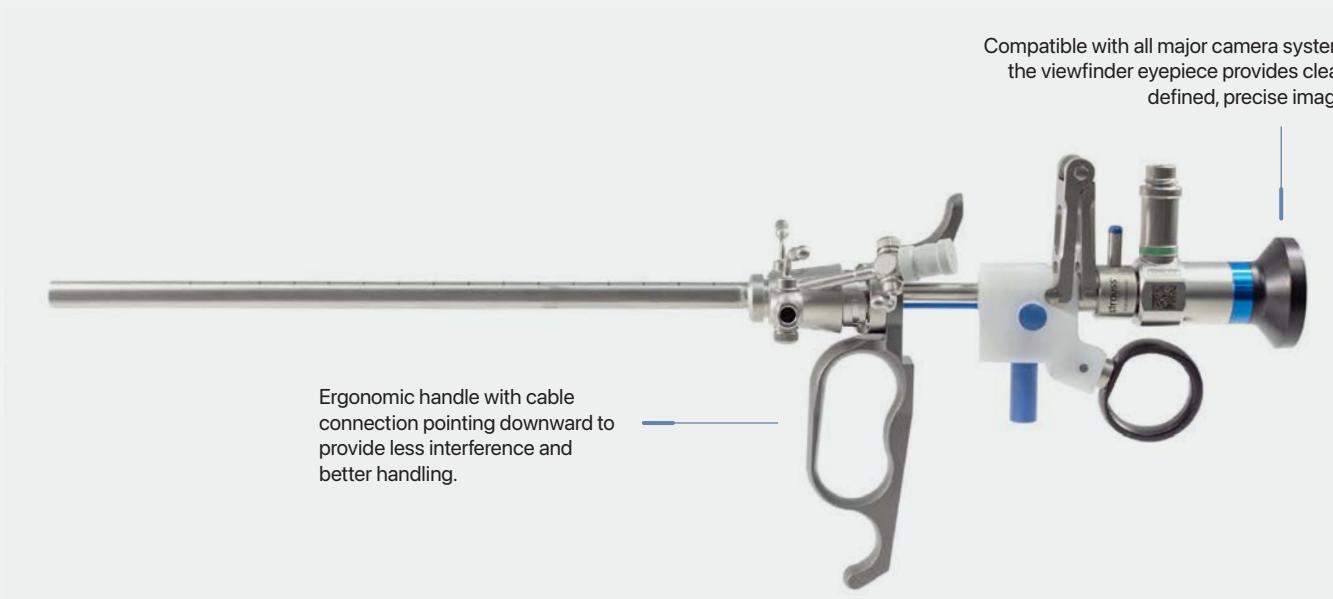
### WORKING ELEMENT

PART NUMBER	DESCRIPTION	LENGTH
STS-URO-235-60	Resectoscopy passive working element	17-25 Fr.

Please see Instruction of Use (IFU) for a complete listing of warnings, precautions and adverse events



21 FR. URETHROTOME



URETHROTOME INSTRUMENTS

PART NUMBER		DESCRIPTION
STS-URO-711-01	Straight cold knife	
STS-URO-711-02	Wave shaped cold knife	
STS-URO-711-03	Round shaped cold knife	
STS-URO-711-04	Sickle shaped cold knife	
STS-URO-711-05	Loop shaped cold knife	



# URETEROSCOPY



# URETEROSCOPY

## URETEROSCOPY



- > Autoclavable (18 min/134°C/273°)
- > Large depth of field
- > Working bridge with quick coupling
- > Fixfocus

## SEMI-RIGID URETEROSCOPES

PART NUMBER	SIZE	WORKING LENGTH	WORKING DIAMETER	CHANNELS	FIELD OF VIEW	VIEWING DIRECTION	IMAGE BUNDLE
STS-6060-310HA	6 Fr.	310 mm	6.0 - 7.5 Fr.	1x 4 / 2x2.4 Fr.	100°	8°	17,000 px
STS-6060-425HA	6 Fr.	425 mm	6.0 - 7.5 Fr.	1x 4 / 2x2.4 Fr.	100°	8°	17,000 px
STS-6075-310HA	7.5 Fr.	310 mm	7.5 - 9.8 Fr.	1x5 / 2x3 Fr.	85°	8°	30,000 px
STS-6075-425HA	7.5 Fr.	425 mm	7.5 - 9.8 Fr.	1x5 / 2x3 Fr.	85°	8°	30,000 px

## URETEROSCOPE ACCESSORIES

PART NUMBER	DESCRIPTION
STS-ACC-6000-CAPD-000	Sealing cap for uretero-renoscope package of 10 pcs
STS-ACC-6000-MEMD-000	Three slot membrane valve, 10 pieces

# SEMI-RIGID URETEROSCOPES



## RIGID FORCEPS

RIGID	DESCRIPTION	SIZE
STS-URS-GRA-40-60AR	Alligator grasping forceps, double action	4 Fr., 60cm
STS-URS-GRA-50-60AR	Alligator grasping forceps, double action	5 Fr., 60cm
STS-URS-GRA-40-60PR	Long grasping forceps, double action	4 Fr., 60cm
STS-URS-GRA-50-60PR	Long grasping forceps, double action	5 Fr., 60cm
STS-URS-GRA-40-60-CAR	Cupped alligator grasping forceps, double action	4 Fr., 60cm
STS-URS-GRA-50-60-CAR	Cupped alligator grasping forceps, double action	5 Fr., 60cm
STS-URS-BIO-40-60R	Biopsy forceps oval spoon, double action	4 Fr., 60cm
STS-URS-BIO-50-60R	Biopsy forceps oval spoon, double action	5 Fr., 60cm

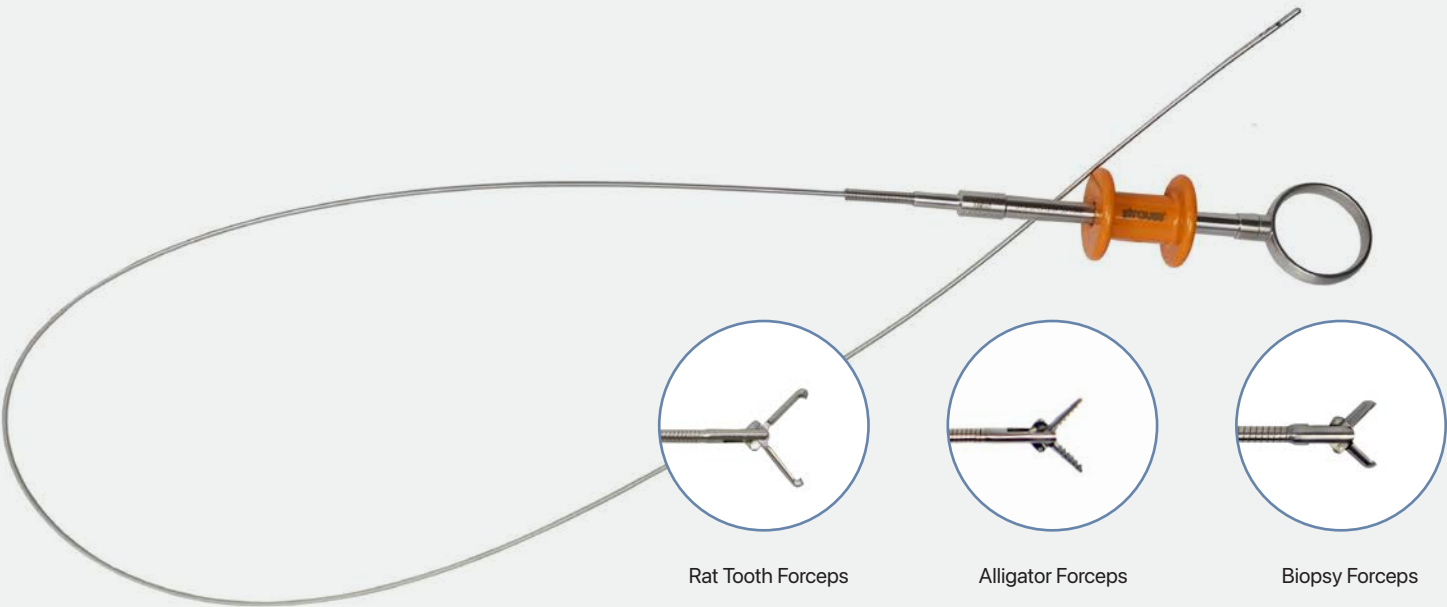




## ACCESSORIES



# ACCESSORIES



## GRASPER FOR FLEXIBLE CYSTOSCOPY

PART NUMBER	DESCRIPTION	SIZE
STS-URS-BIO-50-70F	Biopsy double action forceps	5 Fr., 70 cm
STS-URS-GRA-50-70RF	Rat tooth grasping forceps, 2x1 teeth, double action	5 Fr., 70 cm
STS-URS-GRA-50-70AF	Alligator grasping forceps	5 Fr., 70 cm

Please see Instruction of Use (IFU) for a complete listing of warnings, precautions and adverse events

# ACCESSORIES

## UROLOGY INSTRUMENTATION REPLACEMENT ACCESSORIES

PART NUMBER	DESCRIPTION
STS-URO-940-01	Luer-lock tubing connector
STS-URO-940-02	Luer-lock tubing connector with stopcock
STS-URO-011-90	Inside part of the stopcock for small sheaths
STS-URO-011-92	Inside part of the stopcock for bigger sheaths
STS-URO-011-80	Cap to fix the inside part of the stopcock for cystoscope sheaths and resectoscope
STS-URO-199-00	Rubber cap for instrument channel
Light Cable Adaptor	Karl Storz® connection light cable adaptor
Light Cable Adaptor	Olympus® / Richard Wolf® connection light cable adaptor

## FIBER OPTIC LIGHT CABLES

PART NUMBER	DESCRIPTION	LENGTH
CLEAR		
STS-LC-KD-10CLR	For Wolf/Dyonics Light Source to Karl Storz Endoscopes	10 Ft
STS-LC-KK-10CLR	For Karl Storz Light Source to Karl Storz Endoscopes	10 Ft
STS-LC-KK-3.8-10CLR	3.8mm for Karl Storz Light Source to Karl Storz Endoscopes	10 Ft
STS-LC-KO-10CLR	For Olympus Light Source to Storz/Olympus Endoscopes	10 Ft
STS-LC-STR-10CLR	For Stryker Light Source to Karl Storz Endoscopes	10 Ft
STS-LC-STR-3.8-10CLR	3.8mm for Stryker Light Source to Karl Storz Endoscopes	10 Ft
GRAY		
STS-LC-KK-10GR	Strauss Surgical Grey Case Fiber Optic Cable - Storz-Storz Connection	10 Ft
STS-LC-KO-10GR	Strauss Surgical Grey Case Fiber Optic Cable - Olympus Light Source and Storz/Olympus Endoscope	10 Ft
STS-LC-STR-10GR	Strauss Surgical Grey Case Fiber Optic Cable - Stryker-Storz Connection	10 Ft

## STOPCOCKS

PART NUMBER	DESCRIPTION
STS-URO-940-02	Luer lock tubing connector with stopcock

## STERILIZATION TUBE

PART NUMBER	DESCRIPTION
STS-URO-2499-00-ST	Sterilization Stainless Steel Tube for Electrode/Cold Knives

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