Information on events is available on the KARL STORZ website www.karlstorz.com
Not all the products listed in this document are certified according to Regulation 2017/745/EU.

For this reason, some products requiring certification under this regulation may not be available in these countries.
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**PEDIATRIC SURGERY – UROLOGY**

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Pediatric Urology

With its operating cysto-urethrosopes and pediatric uretero-renoscopes, KARL STORZ offers instruments that stand out for their design and concept.

The lightweight and slender head provides the instruments with excellent balance and thus enables comfortable handling.

Due to the soft design of the sheath step, the instruments achieve good gliding properties inside the body so that treatment is gentle and atraumatic on the patient.

The instruments combine tried-and-tested properties with new elements, such the atraumatically shaped sheath end and self-closing seal. The fiber system from KARL STORZ ensures excellent visualization. Various detachable instrument ports with quick-release coupling offer the surgeon a choice of individual combinations.

The design concept of the operating cysto-urethrosopes and pediatric uretero-renoscopes provides the urologist with good possibilities for diagnosis and treatment.
Which French specifications are important? You decide!

Atraumatically shaped tip: Allows easy introduction into the urethra

Step at the proximal end of the sheath: No dilation

Circumference 11 Fr.

Measurement KARL STORZ

Circumference 8 Fr.

Measurement other manufacturer

Circumference 7 Fr.

Measurement other manufacturer

Circumference 7 Fr.
at the distal tip

Circumference 8 Fr.
at the distal tip

Circumference 7 Fr.
The reduced outer diameter ensures minimal patient discomfort. The unique design and the proven quality from KARL STORZ guarantee a stable and robust sheath. Its new, slim design makes work ergonomic and comfortable for the operating surgeon.

Right-angled irrigation/suction channels prevent positioning instruments too close to the housing, enabling optimal handling and convenient introduction. The flow control stopcock allows the surgeon to dispense the inflow/outflow very precisely in critical situations and to optimally adapt to any situation.

The removable instrument ports are attached to the operating cysto-urethroscope by means of a quick coupling mechanism and are available either with single or dual working channels. The dual-closing sealing system from KARL STORZ features the only sealing valve that opens and closes by itself during both distal and proximal introduction of instruments.

Wire Tray 39501 XK offers ideal protection for operating cysto-urethoscopes during transportation, cleaning, sterilization and storage. This feature ensures a long service life for the instrument. To perform ideal treatment, KARL STORZ offers a wide range of forceps, electrodes and other accessories.
Pediatric Operating Cysto-Urethroscope

27030 KAK Pediatric Cysto-Urethroscope, 8 Fr., 6°, 1 step, 8 – 11 Fr., length 13 cm, autoclavable, with angled eyepiece, fiber optic light transmission incorporated, with 2 lateral irrigation ports and 1 working channel 5 Fr., for use with instruments up to 4 Fr.

The following accessories are included in delivery:

- 27001 G Instrument Port with Sealing System and Quick Release Lock, 1 channel
- 27550 N Seal, for Instrument Ports 27001 G/GF/GH/GP, package of 10, single use recommended
- 27500 Luer-Lock Tube Connector, male, tube diameter 9 mm
- 27502 Luer-Lock Tube Connector, with stopcock, dismantling
- 27001 RA Cleaning Adaptor, for Instrument Ports 27001 G/GF/GH/GP/GG
- 27001 E Insertion Aid, for guide wires

Optional Accessories:

- 27001 GF Instrument Port with Sealing System and Quick Release Lock, 2 channels
- 27001 GH Instrument Port with Sealing System and Quick Release Lock, 2 channels, 1 straight channel, 1 lateral channel
Instruments

For use with Pediatric Cysto-Urethroscopes 27030 KAK/KA

27071 TJ  
**Forceps for Foreign Body Removal**, double action jaws, flexible, 3 Fr., length 28 cm

27071 ZJ  
**Biopsy Forceps**, double action jaws, flexible, 3 Fr., length 28 cm

27030 EL  
**Hook Electrode**, unipolar, 3 Fr., for single use, package of 6

27770 AA  
**Button Electrode**, unipolar, 3 Fr., length 53 cm

27030 M  
**Knife**, triangular tip, 3 Fr., for single use, package of 6

27030 N  
**Injection Needle**, rigid, 3 Fr., for single use, package of 6
Pediatric Operating Cysto-Urethroscopy

9.5 Fr.

Telescope
Working/irrigation channel

27030 KBK Pediatric Cysto-Urethroscope, 9.5 Fr., 6°, 1 step, 9.5 – 11 Fr., length 13 cm, autoclavable, with angled eyepiece, fiber optic light transmission incorporated, with 2 lateral irrigation ports and 1 working channel 6 Fr. for operating instruments 5 Fr.

The following accessories are included in delivery:

- 27001 G Instrument Port with Sealing System and Quick Release Lock, 1 channel
- 27550 N Seal, for Instrument Ports 27001 G/GF/GH/GP, package of 10, single use recommended
- 27500 Luer-Lock Tube Connector, male, tube diameter 9 mm
- 27502 Luer-Lock Tube Connector, with stopcock, dismantling
- 27001 RA Cleaning Adaptor, for Instrument Ports 27001 G/GF/GH/GP/GG
- 27001 E Insertion Aid, for guide wires

Optional Accessories:

- 27001 GF Instrument Port with Sealing System and Quick Release Lock, 2 channels
- 27001 GH Instrument Port with Sealing System and Quick Release Lock, 2 channels, 1 straight channel, 1 lateral channel
Instruments

For use with Pediatric Cysto-Urethroscopes 27030 KBK/KB

- **27095 F**  
  **Forceps**, for grasping stone fragments, double action jaws, 5 Fr., length 30 cm

- **27095 P**  
  **Forceps**, for grasping larger stones and fragments, double action jaws, 5 Fr., length 30 cm

- **27095 Z**  
  **Biopsy Forceps**, double action jaws, 5 Fr., length 30 cm

- **27030 M**  
  **Knife**, triangular tip, 3 Fr., for single use, package of 6

- **27030 N**  
  **Injection Needle**, rigid, 3 Fr., for single use, package of 6

- **27030 EL**  
  **Hook Electrode**, unipolar, 3 Fr., for single use, package of 6

- **27770 AA**  
  **Button Electrode**, unipolar, 3 Fr., length 53 cm

- **27770 A**  
  **Same**, 4 Fr.

- **27770 B**  
  **Same**, 5 Fr.

- **27772 AA**  
  **Needle Electrode**, unipolar, 3 Fr., length 53 cm

- **27772 A**  
  **Same**, 5 Fr.
Neonate Cystoscope-Urethroscope

**7/9 Fr.**

- 27029 CNK
  - Cystoscope-Urethroscope Sheath, for examination and irrigation, 7 Fr., working length 10 cm, color code: blue
  - including:
    - 27029 CN Cystoscope-Urethroscope Sheath
    - 27029 OC Obturator and 2 Luer-Lock Cones

- 27029 DNK
  - Cystoscope-Urethroscope Sheath, for examination and irrigation, 9 Fr., working length 9 cm, working channel 3 Fr., color code: red
  - including:
    - 27029 DN Cystoscope-Urethroscope Sheath
    - 27029 OD Obturator and 2 Luer-Lock Cones

- 27071 TJ
  - Forceps for Foreign Body Removal, double action jaws, flexible, 3 Fr., length 28 cm

- 27071 ZJ
  - Biopsy Forceps, double action jaws, flexible, 3 Fr., length 28 cm

- 27770 AA
  - Button Electrode, unipolar, 3 Fr., length 53 cm

**HOHENFELLNER Neonate Cystoscope-Urethroscope**

- 27301 AA
  - HOPKINS® Straight Forward Telescope 0°, diameter 1.9 mm, length 12 cm, autoclavable, fiber optic light transmission incorporated, color code: green

- 27301 BA
  - HOPKINS® Forward-Oblique Telescope 30°, diameter 1.9 mm, length 12 cm, autoclavable, fiber optic light transmission incorporated, color code: red

**Container for the Sterilization and Storage of Telescopes** see HYGIENE catalog
“Size matters” in the spectrum of urological care from baby to grandparent. The pediatric system for endoscopy in neonates and children is a major improvement in urological care for pediatric urologists, general urologists and pediatric surgeons. The development of the 1.2 mm fiber optic telescope has made it possible to minimize the size of the neonatal endoscope, anti-reflux endoscope, urethrotome as well as resectoscope and build a new line of special instruments.

The endoscopes can be used for the evaluation of the lower urinary tract in neonates and children as well as in adolescents for inspection of the urethra, prostatic urethra, bladder and ureterostoma.

In case of an urethral stricture, the urethrotome can be used for the incision of scarred tissue. When posterior urethral valves are present, they can be incised with a small hook knife and in selected cases the resectoscope is indicated. Sub-urethral injection of viscous fluids can be performed with the special instrument for anti-vesico-urethral reflux therapy.

A high level of care for size and anatomical detail as well as fine controlled tissue handling and manipulations should be taken into consideration for use in neonates and children. The thin pediatric system from KARL STORZ provides improved possibilities in terms of diagnosis and treatment, and the endoscopic view is excellent in clinical use.

Wouter F. J. FEITZ, M.D., PhD,
Professor of Pediatric Urology
Nijmegen, The Netherlands
Excellent Optical Quality
The fiberoptics developed by KARL STORZ enable the miniaturization of pediatric cystoscopes, urethrotomes and resectoscopes. Despite the endoscope’s small diameter, the fiberoptics guarantee excellent image quality with optimal detail resolution.

Simple and Atraumatic Treatment
Due to the distal, atraumatically shaped end of the sheath, the thin instruments can be easily inserted into the lower urinary tract to enable atraumatic treatment of the patient.

Pediatric Resectoscope and Urethrotome
The newly designed working element for the thin pediatric system combines two applications in one instrument. As it is possible to connect HF electrodes and a knife, the system can be used as a resectoscope and an urethrotome.
Pediatric Cystoscope-Urethroscope

8/9 Fr.

Special Features:
- Distal end of sheath atraumatically shaped
- Two lateral, right-angled irrigation ports
- Minimal sheath diameter
- The working channel allows use of 4 or 5 Fr. rigid instruments
- Autoclavable

27033 AA

27033 CK

27033 DK

27033 CRK

Miniature Straight Forward Telescope 0°,
diameter 1.2 mm, length 20 cm, autoclavable,
fiber optic light transmission incorporated,
color code: green

Cystoscope-Urethroscope Sheath, 8 Fr.,
working length 16 cm, with 4 Fr. working channel,
color code: blue
including:
27033 C Cystoscope-Urethroscope Sheath
27033 CO Obturator and 2 LUER-Lock Cones

Cystoscope-Urethroscope Sheath, 9 Fr.,
working length 16 cm, with 5 Fr. working channel,
color code: red
including:
27033 D Cystoscope-Urethroscope Sheath
27033 DO Obturator and 2 LUER-Lock Cones

Cystoscope-Urethroscope Sheath, 8 Fr., for reflux
needles, working length 16 cm, with 4 Fr. working
channel,
color code: white
including:
27033 CR Cystoscope-Urethroscope Sheath
27033 CRO Obturator and 2 LUER-Lock Cones

Container for the Sterilization and Storage of Telescopes see HYGIENE catalog
Instruments

8/9 Fr.
For use with Cystoscope-Urethroscope Sheaths 27033 CK/DK, 27033 C/D
For use with Cystoscope-Urethroscope Sheaths 27033 CRK/CR for reflux needles

- 27071 TJ: Forceps for Foreign Body Removal, double action jaws, flexible, 3 Fr., length 28 cm
- 27071 ZJ: Biopsy Forceps, double action jaws, flexible, 3 Fr., length 28 cm
- 27030 N: Injection Needle, rigid, 3 Fr., for single use, package of 6
- 27030 EL: Hook Electrode, unipolar, 3 Fr., for single use, package of 6
- 27770 AA: Button Electrode, unipolar, 3 Fr., length 53 cm
- 27770 A: Same, 4 Fr.
- 27772 AA: Needle Electrode, unipolar, 3 Fr., length 53 cm

For use with Cystoscope-Urethroscope Sheath 27033 DK

- 27030 M: Knife, triangular tip, 3 Fr., for single use, package of 6
- 27770 B: Button Electrode, unipolar, 5 Fr., length 53 cm
- 27772 A: Needle Electrode, unipolar, 5 Fr., length 53 cm
Pediatric Resectoscope

9 Fr., working length 12 cm
for use with Miniature Straight Forward Telescope 27033 AA

Special Features:
- Distal end of sheath atraumatically shaped
- Minimal sheath diameter
- Cutting by means of a spring; in rest position the electrode tip is inside the sheath
- Irrigation possible via HF-connector

27033 EH  **Electrotome**
including:
- 27033 E  **Working Element**
- 27033 EG  **Cutting Loop**
- 27033 EL  **Coagulation Electrode**
- 2x 277  **High Frequency Cord**
- 280  **Protection Tube**

27033 RK  **Resectoscope Sheath**, with Luer-Lock stopcock, 9 Fr., color code: yellow
including:
- 27033 R  **Resectoscope Sheath**
- 27033 RO  **Obturator and Connecting Tube for Inflow**

27033 F  **Telescope Bridge**, with 1 lockable channel

27033 EG  **Cutting Loop**, angled, color code: yellow

27033 EL  **Coagulation Electrode**, angled, blunt, color code: yellow

27033 EP  **Coagulation Electrode**, hook-shaped, with ball end, color code: yellow

27033 EQ  **Coagulation Electrode**, hook-shaped, without ball end, color code: yellow

27033 ER  **Coagulation Electrode**, angled, pointed, color code: yellow

280  **Protection Tube**, for sterilization and storage of electrodes, loops, curettes and knives
Pediatric Optical Urethrotome

8 Fr., working length 12 cm
for use with Miniature Straight Forward Telescope 27033 AA

Special Features:
● Distal end of sheath atraumatically shaped
● Minimal sheath diameter

● Cutting by means of a spring; in rest position the knife tip is inside the sheath
● Irrigation possible via HF-connector

27033 EK  Working Element Set
including:
27033 E  Working Element
2x 27033 TT  Knife

27033 UK  Urethrotome Sheath, with Luer-Lock stopcock, 8 Fr.
including:
27033 U  Urethrotome Sheath
27033 UO  Obturator and 2 Luer-Lock cones

27033 TT  Cold Knife, straight
27033 V  Cold Knife, round
27033 W  Cold Knife, sickle-shaped
27033 X  Cold Knife, hook-shaped

280  Protection Tube, for sterilization and storage of electrodes, loops, curettes and knives

Please note: The cold knives are not to be used with HF current.
Pediatric Cystoscope-Urethroscope

9.5/11 Fr.

27017 AA

HOPKINS® Straight Forward Telescope 0°,
diameter 1.9/2.1 mm, length 18 cm, autoclavable,
fiber optic light transmission incorporated,
color code: green

27017 BA

HOPKINS® Forward-Oblique Telescope 30°,
diameter 1.9/2.1 mm, length 18 cm, autoclavable,
fiber optic light transmission incorporated,
color code: red

27017 CA

HOPKINS® Lateral Telescope 70°,
diameter 1.9/2.1 mm, length 18 cm, autoclavable,
fiber optic light transmission incorporated,
color code: yellow

27031 EK

Cystoscope-Urethroscope Sheath, 9.5 Fr., working
length 14 cm, with 4 Fr. working channel,
color code: blue-white
including:
27031 E Cystoscope-Urethroscope Sheath
27031 EO Obturator and 2 LUER-Lock Cones

27031 FK

Cystoscope-Urethroscope Sheath, 11 Fr., working
length 14 cm, with 5 Fr. working channel,
color code: red-white
including:
27031 F Cystoscope-Urethroscope Sheath
27031 FO Obturator and 2 LUER-Lock Cones

sheath end with probe

Container for the Sterilization and Storage of Telescopes see HYGIENE catalog
Instruments

9.5/11 Fr.
For use with Cystoscope-Urethroscope Sheaths 27031 EK/FK, 27031 E/F

27071 TJ  Forceps for Foreign Body Removal, double action jaws, flexible, 3 Fr., length 28 cm

27071 ZJ  Biopsy Forceps, double action jaws, flexible, 3 Fr., length 28 cm

27770 AA  Button Electrode, unipolar, 3 Fr., length 53 cm

27772 AA  Needle Electrode, unipolar, 3 Fr., length 53 cm
Pediatric Resectoscope

11 Fr., working length 12 cm
for use with HOPKINS® Straight Forward Telescope 27017 AA

Cutting by means of a spring
The thumb support is movable.
In rest position the electrode is inside the sheath.

27145 EA  Electrotome
including:
27145 E  Working Element
27147 EG  Cutting Loop
27147 EL  Coagulation Electrode
2x 277  High Frequency Cord
280  Protection Tube

27047 EK  Resectoscope Sheath, with LUER-Lock stopcock, 11 Fr.,
color code: green
including:
27047 E  Resectoscope Sheath
27047 EO  Obturator and Connecting Tube for Inflow

27047 F  Telescope Bridge, with 1 lockable channel

27147 EG  Cutting Loop, angled,
color code: green

27147 EL  Coagulation Electrode, angled, blunt,
color code: green

27147 EP  Coagulation Electrode, hook-shaped, with ball end,
color code: green

27147 EQ  Coagulation Electrode, hook-shaped, without ball end,
color code: green

27147 ER  Coagulation Electrode, angled, pointed,
color code: green

280  Protection Tube, for sterilization and storage of
electrodes, loops, curettes and knives
Pediatric Optical Urethrotome

10 Fr., working length 11 cm for use with HOPKINS® Straight Forward Telescope 27017 AA, for transurethral treatment of strictures in children

Please note: The cold knives are not to be used with HF current.

Working Element Set
including:
27145 E Working Element
2x 27147 TT Knife

Urethrotome Sheath, with Luer-Lock stopcock, 10 Fr.
including:
27047 B Resectoscope Sheath
27047 BO Obturator and 2 Luer-Lock Cones

Telescope Bridge,
with 1 lockable channel

Cold Knife, straight

Cold Knife, round

Cold Knife, sickle-shaped

Cold Knife, hook-shaped

Protection Tube, for sterilization and storage of electrodes, loops, curettes and knives

280
Pediatric Cystoscope-Urethroscope

11/13/14.5 Fr.

27018 AA

HOPKINS® Straight Forward Telescope 0°,
diameter 2.7 mm, length 18 cm, autoclavable,
fiber optic light transmission incorporated,
color code: green

27018 BA

HOPKINS® Forward-Oblique Telescope 30°,
diameter 2.7 mm, length 18 cm, autoclavable,
fiber optic light transmission incorporated,
color code: red

27018 CA

HOPKINS® Lateral Telescope 70°,
diameter 2.7 mm, length 18 cm, autoclavable,
fiber optic light transmission incorporated,
color code: yellow

27032 KK

Cystoscope-Urethroscope Sheath, 11 Fr., working length 14 cm, with 3 Fr. working channel,
color code: red
including:
27032 K Cystoscope-Urethroscope Sheath
27032 OK Obturator and 2 LUER-Lock Cones

27032 LK

Cystoscope-Urethroscope Sheath, 13 Fr., working length 14 cm, with 4 Fr. working channel,
color code: green
including:
27032 L Cystoscope-Urethroscope Sheath
27032 LO Obturator and 2 LUER-Lock Cones

27032 MK

Cystoscope-Urethroscope Sheath, 14.5 Fr., working length 14 cm, with working channel, working channel with Examination Insert 27032 F, 5 Fr., working channel with Working Insert 27032 EK, 3 Fr., color code: white
including:
27032 M Cystoscope-Urethroscope Sheath
27032 MO Obturator and 2 LUER-Lock Cones

Container for the Sterilization and Storage of Telescopes see HYGIENE catalog
Pediatric Cystoscope-Urethroscope

11/13/14.5 Fr.
For use with Cystoscope-Urethroscope Sheaths 27032 KK/LK/MK, 27033 K/L/M

27032 EK  Catheter Deflecting Mechanism, with ALBARRAN lever, for instruments 3 Fr., for use with Cystoscope-Urethroscope Sheath 27032 M

27032 F  Examination Insert, for use with Cystoscope-Urethroscope Sheath 27032 M

27071 TJ  Forceps for Foreign Body Removal, double action jaws, flexible, 3 Fr., length 28 cm

27071 ZJ  Biopsy Forceps, double action jaws, flexible, 3 Fr., length 28 cm

27030 EL  Hook Electrode, unipolar, 3 Fr., for single use, package of 6

27770 AA  Button Electrode, unipolar, 3 Fr., length 53 cm

27772 AA  Needle Electrode, unipolar, 3 Fr., length 53 cm
Pediatric Resectoscope

13 Fr., working length 11 cm
for use with HOPKINS® Straight Forward Telescope 27018 AA

Cutting by means of a spring
The thumb ring is movable.
In rest position the electrode is inside the sheath.

27047 CK Resectoscope Sheath, with LUER-Lock stopcock, 13 Fr., color code: black
including:
27018 AA

27145 EB Electrotome
including:
27145 E Working Element
27145 EG Cutting Loop
27145 EL Coagulation Electrode
2x 277 High Frequency Cord
280 Protection Tube

27047 CK Resectoscope Sheath, with LUER-Lock stopcock, 13 Fr., color code: black
including:
27047 C Resectoscope Sheath
27047 CO Obturator and Connecting Tube for Inflow

27047 F Telescope Bridge, with 1 lockable channel

27145 EG Cutting Loop, angled, color code: black

27145 EL Coagulation Electrode, angled, blunt, color code: black

27145 EP Coagulation Electrode, hook-shaped, with ball end, color code: black

27145 EQ Coagulation Electrode, hook-shaped, without ball end, color code: black

27145 EF Coagulation Electrode, angled, pointed, color code: black

280 Protection Tube, for sterilization and storage of electrodes, loops, curettes and knives
A New Generation of Pressure-Controlled PCNL Systems
MIP – Minimally Invasive Percutaneous Nephrolitholapaxy

The New Family of MIP Systems and Innovative Features

Versatility
The right instrument is available for every stone indication. The systems stand out due to their exceptional quality and durability as well as safe and careful handling.

One-step-bougie
Following a skin incision, a single dilator can widen the port to allow the sheath to be advanced into the kidney. Telescope bougies or bougies in several sizes are no longer required for individual sheath sizes.

Innovative pressure management
All systems from the MIP series are designed as open systems, i.e. the sheath and telescope are not locked together and there is no second system connection to the system where irrigation liquid can flow off. With the MIP series, the irrigation liquid flows out via the space between the telescope and the operating sheath. Discontinuation of the outflow, which would lead to pressure build-up in the kidney, is not possible.

Efficient stone retrieval without instruments
The hydrodynamic effect achieved by the innovative inflow and outflow constellation makes it possible to retrieve stones without forceps, graspers or stone baskets. The funnel-shaped proximal sheath head enables stones to be removed from the sheath without any problems. A continuous irrigation flow ensures the residue-free elimination of small stone fragments and calculus dust.

Sheaths for Special Needs
The working length of the sheaths has been shortened to accommodate children. This allows secure insertion into the renal pelvis. The pediatric sheaths also feature our innovative pressure management.
MIP M – Percutaneous Nephroscope

Special Features:
- Well-proven miniature nephroscope with optimized design
- One-step dilator with a second eccentric channel for guide wire deflection enables precise steering of the wire
- Large working channel allows the use of rigid standard instruments and large lithotripsy probes up to 5 Fr.
- For the treatment of medium stone burdens

Specifications:
- Instrument sheath: 12 Fr.
- Working channel: 6.7 Fr. for use with instruments up to 5 Fr.
- Telescope: Fiber optic system, direction of view 12°
- Length: 22 cm
- Eyepiece: angled

The following accessories are included in delivery:

- 27001 GP Instrument Port with Sealing System and Quick Release Lock, 1 channel
- 27550 N Seal, for Instrument Ports 27001 G/GF/GH/GP, package of 10, single use recommended
- 27500 Luer-Lock Tube Connector, male, tube diameter 9 mm
- 27502 Luer-Lock Tube Connector, with stopcock, dismantling
- 27001 E Insertion Aid, for guide wires
- 39501 XK Wire Tray including:
  - Cleaning Adaptor, for Instrument Ports 27001 G/GF/GH/GG/GP
Dilators, Sheaths and Applicators
for MIP M

27830 AB

27830 AA  **One Step Dilator**, with central channel for guide wires, for use with 15/16 Fr. Operating Sheaths 27830 BA/BAS

27830 BB

27830 BA  **Operating Sheath**, 15/16 Fr., working length 15 cm, for continuous irrigation and suction

27830 BB  **Same**, 16.5/17.5 Fr.

27830 BC  **Same**, 21/22 Fr.

27830 AC  **Same**, for use with 21/22 Fr. Operating Sheaths 27830 BC/BCS

27830 BK

27830 BK  **Operating Sheath for Children**, 16.5/17.5 Fr., working length 7.5 cm, for continuous irrigation and suction

27830 CF

27830 CF  **Applicator for Sealant**, including sheath and rod, for use with Operating Sheaths 27830 BA/BB/BC

27001 GG

27001 GG  **Instrument Port with Sealing System and Quick Release Lock**, large, 1 channel, for use with accessories up to 6 Fr. (diameter 2 mm) in combination with Nephroscope for MIP M 27830 KA
Special Features:
- Smaller system for minimal access tract
- Working channel with 2 Fr. for guided laser fibers allows safe use
- Separate irrigation channel for optimal irrigation and good visualization
- For low stone burdens
- Provides an alternative where flexible ureterorenoscopy is not possible

Specifications:
- Instrument sheath: 7.5 Fr.
- Working channel: 2 Fr.
- Separate irrigation channel: 3 Fr.
- Telescope: Fiber optic system, direction of view 6º
- Length: 24 cm
- Eyepiece: angled

The following accessories are included in delivery:

- 27001 G Instrument Port with Sealing System and Quick Release Lock, 1 channel
- 27550 N Seal, for Instrument Ports 27001 G/GF/GH/GP, package of 10, single use recommended
- 27500 Luer-Lock Tube Connector, male, tube diameter 9 mm
- 27502 Luer-Lock Tube Connector, with stopcock, dismantling
- 27001 E Insertion Aid, for guide wires
- 39501 XK Wire Tray including:
  - Cleaning Adaptor, for Instrument Ports 27001 G/GF/GH/GG/GP
- 39501 XRV Multiport Bridge, for connecting MICHEL Ureterorenoscope 27003 L and for Wire Tray 39501 XK to connect the nephroscope for MIP XS/S, for use with Wire Tray 39501 X
- 39107 ALK Cleaning Adaptor, for use with Luer stopcocks
Dilators, Sheaths and Applicators
for MIP S

Dilator and Operating Sheaths for MIP S

27820 AB

27820 AB **One Step Dilator**, with central channel for guide wires, for use with 11/12 Fr. Operating Sheath 27820 BB

27820 BB

27820 BB **Operating Sheath**, 11/12 Fr., working length 15 cm, for continuous irrigation and suction

27820 BK

27820 BK **Operating Sheath for Children**, 11/12 Fr., working length 7.5 cm, for continuous irrigation and suction

Applicator for MIP S

27820 CF

27820 CF **Applicator for Sealant**, including sheath and rod, for use with Operating Sheaths 27820 BA/BB
The Next Generation of Uretero-Renoscopes

The **reduced outer diameter** ensures minimal patient discomfort. The unique design and the proven quality from KARL STORZ guarantee a stable and robust sheath. Its new, slim design makes work ergonomic and comfortable for the operating surgeon.

**Right-angled irrigation/suction channels** prevent positioning instruments too close to the housing, enabling optimal handling and convenient introduction. The **flow control stopcock** allows the surgeon to dispense the inflow/outflow very precisely in critical situations and to optimally adapt to any situation.

The **removable instrument ports** are attached to the operating uretero-renoscope by means of a quick coupling mechanism and are available either with single or dual working channels. The **dual-closing sealing system** from KARL STORZ features the only sealing valve that opens and closes by itself during both distal and proximal introduction of instruments.

**Wire Tray** 39501 XK offers ideal protection for uretero-renoscopes during transport, cleaning, and storage. This feature makes it possible to guarantee a long service life for your instruments. From diagnostics to therapy through to transportation, cleaning, storage, **accessories** and service, KARL STORZ offers solutions that cover the entire hospital chain and beyond.
Pediatric Uretero-Renoscope

7.3 Fr., length 25 cm

Special Features:
- Distal end of sheath atraumatically shaped, with rounded tip
- Minimal sheath diameter
- The large working channel allows the use of rigid instruments and probes up to 3 Fr.
- Two lateral, right-angled irrigation ports

Specifications:
- Distal tip: 7.3 Fr.
- Instrument sheath: Conical, 1 step
- Working channel: 7.3 – 8 Fr.
- Working channel: 3.6 Fr., for use with instruments up to 3 Fr.
- Telescope: Fiber optic system, direction of view 6°
- Working length: 25 cm
The following accessories are included in delivery:

- 27001 G  Instrument Port with Sealing System and Quick Release Lock, 1 channel
- 27550 N  Seal, for Instrument Ports 27001 G/GF/GH/GP, package of 10, single use recommended
- 27500  Luer-Lock Tube Connector, male, tube diameter 9 mm
- 27502  Luer-Lock Tube Connector, with stopcock, dismantling
- 27504  Flow Control Stopcock
- 27001 E  Insertion Aid, for guide wires
- 39501 XK  Wire Tray
  including:
  Cleaning Adaptor, for Instrument Ports 27001 G/GF/GH/GG/GP

Optional Accessories:

- 27001 GF  Instrument Port with Sealing System and Quick Release Lock, 2 channels
- 27001 GH  Instrument Port with Sealing System and Quick Release Lock, 2 channels, 1 straight channel, 1 lateral channel
- 27550 N  Seal, for Instrument Ports 27001 G/GF/GH/GP, package of 10, single use recommended
- 27023 FM  Forceps, rigid, for grasping stone fragments, double action jaws, 3 Fr., length 60 cm, color code: green
Pediatric Cysto-Urethro-Fiberscopes
FLEX-X²

Special Features:
- The FLEX-X² is also equipped with passive deflection components. The integrated shock absorber system is located proximal to the deflection components and allows optimal deflection. At the same time, this protects the instrument and facilitates use in the urinary tract.
- The 270° deflection (up/down) allows intuitive orientation and visualization of the entire urinary tract, including the renal collecting system.
- The use of innovative materials in the sheath area has enhanced material resistance and rigidity. Access to the operating field has been simplified to meet various anatomical conditions.
- Waterproof and can be fully immersed in solution
- Sterilizable via EtO and FO gas, Steris® and Sterrad®
- A large number of instruments can be used in the working channel
- Minimal patient discomfort
- Small outer diameter

Diagnostic and therapeutic indications in the bladder and urethra:
- Atraumatic insertion into the urethra
- Maximum deflection of 270° enables unrestricted access and visualization of the entire bladder/neobladder
- Diagnosis and therapy of vesicoureteral reflux, posterior urethral valves, hematuria, stone diseases and biopsy removals

11278 AC
## Pediatric Cysto-Urethro-Fiberscopes

### FLEX-X²

<table>
<thead>
<tr>
<th>Order No.</th>
<th>Pediatric Cysto-Urethro-Fiberscope</th>
<th>Deflection of distal tip</th>
<th>Direction of view</th>
<th>Angle of view</th>
<th>Working length</th>
<th>Working channel inner diameter</th>
<th>Sheath length</th>
</tr>
</thead>
<tbody>
<tr>
<td>11278 ACK</td>
<td>0°</td>
<td>0°</td>
<td>88°</td>
<td>45 cm</td>
<td>3.6 Fr.</td>
<td>7.5 Fr.</td>
<td>7.5 Fr.</td>
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<tr>
<td>11278 ACUK</td>
<td>with contrapositive deflection</td>
<td></td>
<td></td>
<td></td>
<td>3.6 Fr.</td>
<td>7.5 Fr.</td>
<td>7.5 Fr.</td>
</tr>
</tbody>
</table>

The following accessories are included in delivery:

- **Case**
- **Leakage Tester**, with bulb and manometer
- **Cleaning Brush**, round, flexible, outer diameter 2 mm, for working channel diameter 1.2 – 1.8 mm, length 150 cm
- **Luer-Adaptor**, with seal
- **Pressure Compensation Cap**, for ventilation during gas and plasma sterilization

Optional Accessories:

- **Coagulation Electrode**, 3 Fr., length 73 cm
- **Guide Wire**, with ball end, 3 Fr., sterile, package of 10
- **Grasping Forceps**, double action jaws, flexible, 3 Fr., length 60 cm
- **Biopsy Forceps**, double action jaws, flexible, 3 Fr., length 60 cm
- **Seal**, for Instrument Ports 27001 G/GF/GH/GP, package of 10, single use recommended
- **Cleaning Adaptor**

**Cold Light Fountains and Cameras** see TELEPRESENCE catalog
Important Notes:

It is recommended to check the suitability of the product for the intended procedure prior to use.

Endoscopes and accessories contained in this catalog have been designed in part with the cooperation of physicians and are manufactured by the KARL STORZ group. If subcontractors are hired to manufacture individual components, these are made according to proprietary KARL STORZ plans or drawings. Furthermore, these products are subject to strict quality and control guidelines of the KARL STORZ group. Both contractual and general legal provisions prohibit subcontractors from supplying components manufactured by order of KARL STORZ to competitors.

Any assumptions that competitors’ endoscopes and accessories are acquired from the same suppliers as the KARL STORZ products are not correct. Moreover, endoscopes and instruments provided by competitors are not manufactured according to the design specifications of KARL STORZ. This means it cannot be assumed that these endoscopes and accessories – even if they look identical on the outside – are constructed in the same manner and have been tested according to the same criteria.

Standardized Design and Labeling

KARL STORZ participates both in national and international bodies involved in the development of standards for endoscopes and endoscopic accessories. Standardized design and development therefore have long been implemented consistently by KARL STORZ. The user can rest assured that all products by the KARL STORZ group have been designed and constructed not only in compliance with strict internal quality guidelines, but also with international standards. All data relevant for safe use, such as viewing direction, sizes and diameters, or notes regarding sterilization of telescopes, are applied to the instruments, have been formulated according to international standards, and therefore provide reliable information.

As we constantly seek to improve and modify our products, we reserve the right to make changes in design that vary from catalog descriptions.

Original or Counterfeit

KARL STORZ products are name brand articles renowned around the world and represent the state of the art in important areas of healthcare. A large number of “copy cat” products are currently being offered in many markets. These products are designed intentionally to resemble KARL STORZ products and use marketing strategies that at least point out their compatibility with KARL STORZ products. These products are by no means genuine products, since genuine KARL STORZ products are sold worldwide exclusively under the name of KARL STORZ, which appears on the packaging and the product. In the absence of such labeling, the product is not from KARL STORZ.

KARL STORZ, therefore, is unable to ensure that such products are actually compatible with genuine KARL STORZ products or can be used with them without injury to the patient.
Information on events is available on the KARL STORZ website
www.karlstorz.com