

Specificație Tehnică Completată

Anexa 1 Rezectoscop Monopolar, Ureteroscop semi-rigid compatibil cu „Aesculap, Endoscopic tower”

Producător: TONTARRA

Țara: GERMANIA

Specificarea tehnică deplină solicitată, Standarde de referință	Specificația tehnică propusă de ofertant
Rezectoscop Uretral – 1 bucată • Optică: 4 mm • Unghi de vedere: 30° • Adâncime câmp vizual: 5–50 mm • Compatibil cu sursa de lumină și camera de luat vederi (CCD3-HD; Power LED 300; Feigert Endotech) • Element pasiv de lucru, teacă internă, teacă externă și obturator • Obturator vizual cu grosimea de 4 mm • Electrode de tăiere – 3 bucăți • Electrode de coagulare – 3 bucăți, grosime 3 mm și 5 mm • Pensa cu dinți, grosime 5 mm, lungime minimă 330 mm, compatibilă sau analogică cu unitatea laparoscopică • Instrument autoclavabil • Accesorii necesare pentru intervenții chirurgicale. Ureteroscop semi-rigid – 1 bucată • Lungime: ≥ 310 mm • Diametru: ≤ 4 Charrière (subțire) • Canal de lucru: 4.8 mm • Unghi de vedere: $< 6^\circ$ • Câmp vizual: 85° • Adâncime câmp vizual: 3–30 mm • Teacă de instrument: 8–12 Charrière • Rezoluție (pixeli): 17.000 / 40.000 • Instrument autoclavabil • Accesorii necesare pentru intervenții chirurgicale.	Rezectoscop Uretral – 1 bucată DA, compus din elementele prezentate în continuare și Unitatea de Electrochirurgie PWT 400 din TONTARRA CATALOGUE • Optică: 4 mm DA, cod 601-104-30HD2 din TONTARRA CATALOGUE • Unghi de vedere: 30° DA, cod 601-104-30HD2 din TONTARRA CATALOGUE • Adâncime câmp vizual: 5–50 mm DA, cod 601-104-30HD2 din TONTARRA CATALOGUE • Compatibil cu sursa de lumină și camera de luat vederi (CCD3-HD; Power LED 300; Feigert Endotech) DA, cod 601-104-30HD2 din TONTARRA CATALOGUE • Element pasiv de lucru cod 630-235-61, teacă internă cod 630-209-26, teacă externă cod 630-209-06 și obturator cod 630-215-24 DA, din TONTARRA CATALOGUE • Obturator vizual cu grosimea de 4 mm cod 630-225-24 DA, din TONTARRA CATALOGUE • Electrode de tăiere – 3 bucăți DA, cod 630-240-10 din TONTARRA CATALOGUE • Electrode de coagulare – 3 bucăți, grosime 3 mm DA cod 630-240-15, din TONTARRA CATALOGUE • Electrode de coagulare – 3 bucăți, grosime 5 mm DA cod 630-240-20, din TONTARRA CATALOGUE • Pensa cu dinți, grosime 5 mm, lungime minimă 330 mm, compatibilă sau analogică cu unitatea laparoscopică DA, cod 630-035-30, din TONTARRA CATALOGUE • Instrument autoclavabil DA • Accesorii necesare pentru intervenții chirurgicale. Ureteroscop semi-rigid – 1 bucată DA, cod 601-110-15 din TONTARRA CATALOGUE • Lungime: 315 mm DA, din TONTARRA CATALOGUE

Anexa 1

- | | |
|--|--|
| | <ul style="list-style-type: none">• Diametru: 6 Charrière (subțire) DA, din TONTARRA CATALOGUE• Canal de lucru: 1.6 mm DA, din TONTARRA CATALOGUE• Unghi de vedere: 12° DA, din TONTARRA CATALOGUE• Câmp vizual: 85° DA, din TONTARRA CATALOGUE• Adâncime câmp vizual: 3–30 mm DA, din TONTARRA CATALOGUE• Teacă de instrument: 8–12 Charrière DA, din TONTARRA CATALOGUE• Rezoluție (pixeli): 17.000 / 40.000 DA, din TONTARRA CATALOGUE• Instrument autoclavabil DA, din TONTARRA CATALOGUE• Accesorii necesare pentru intervenții chirurgicale. DA, din TONTARRA CATALOGUE |
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TONTARRA

HF GENERATOR PLASMA WAVE

▶ PWT-400

HF Generator for electrical surgery **PWT-400**
SMART - SAFE - POWERFUL

Many options – one device.

SMART

- ▶ Multi disciplinary use
- ▶ Optimized modes for various clinical applications
- ▶ 99 storage positions for application-specific programs/profiles
 - All presets can be adapted individually
 - Customizable program settings and descriptions

SAFE

- ▶ Self-test during system start and permanent auto check during use
- ▶ Current leakage monitoring
- ▶ Neutral electrode monitoring:
 - use of small neutral electrodes for pediatrics or neonates possible
 - use of split neutral electrodes possible

POWERFUL

- ▶ Accurate, smooth incisions and effective coagulation due to optimized presets
- ▶ 14 monopolar and bipolar cutting modes and 10 coagulation modes; self-adjusting of output power

HYBRID RESECTOSCOPY SYSTEMS

- ▶ **A perfect match!** The Plasma Wave HF generator and the TONTARRA bipolar resectoscopy system are perfectly synchronized to each other. Excellent resection effect due to precisely adjusted parameters.

For technical data & more details please ask for our Plasma Wave brochure.



- ▶ Suitable for monopolar and bipolar applications
- ▶ The unit features the simultaneous use of two monopolar handles
- ▶ Compatible with one or two twin foot-switches
- ▶ Intuitive menu navigation via touch display



Twin foot-switch

HF connection cables for PWT-400

HF-connection cables **monopolar**
 3 m: Art. No. 582-533-04



HF-connection cables **bipolar**, to connect:

- working element to HF generator
 3 m: Art. No. 287-215-30GR



- bipolar electrodes to HF generator
 3 m: Art. No. 287-215-30
 5 m: Art. No. 287-215-50

TONTARRA

HF GENERATOR & HF CONNECTION CABLES

▶ HF Unit Plasma Wave PWT 400

HF UNIT PLASMA WAVE

Description	Art. No.
PWT-400 Plasma Wave; HF generator for electrical surgery 	540-280-50(PWT-400)
TWIN FOOT-SWITCH 	540-284-50

HF CONNECTION CABLES

▶ Monopolar HF connection cables

HF CONNECTION CABLES; MONOPOLAR

- ▶ to connect working elements to HF generator; **monopolar** mode for resectoscopy
- ▶ to connect flexible **monopolar** HF electrodes to HF generator

Available for following units:	3.0 m	Instrument-side	Unit-side
Erbe/Storz; Ø 5.0 mm	582-531-02		
Valleylab, Conmed; Bowa; Ø 8.0 mm	582-532-03		
TONTARRA mod. PWT-400; Equipment with banana plug; Ø 4.0 mm	582-533-04		

HF CONNECTION CABLES; NEUTRAL ELECTRODES

Description	length	Art. No.	Electrode side	Unit-Side
TONTARRA mod. PWT-400 for reusable Neutral Electrodes	4.5 m	289-215-45		
TONTARRA mod. PWT-400 for single-use Neutral Electrodes	4.5 m	289-025-45		

UROLOGY TELESCOPES HD+, HD+2

- ▶ Ø 4.0 mm / Ø 2.9 mm / Ø 2.7 mm / Ø 2.0 mm
- ▶ Compatible with most instrument- and camera systems



TELESCOPES FOR UROLOGY [autoclavable] ▶ Ø 4.0 mm

Description	Art. No.	
Telescope HD+	▶ Ø 4.0 mm; 0°	FL 300 mm 601-104-00HD
Telescope HD+2	▶ Ø 4.0 mm; 0°	FL 300 mm 601-104-00HD2
Telescope HD+	▶ Ø 4.0 mm; 12°	FL 300 mm 601-104-12HD
Telescope HD+2	▶ Ø 4.0 mm; 12°	FL 300 mm 601-104-12HD2
Telescope HD+	▶ Ø 4.0 mm; 30°	FL 300 mm 601-104-30HD
Telescope HD+2	▶ Ø 4.0 mm; 30°	FL 300 mm 601-104-30HD2
Telescope HD+	▶ Ø 4.0 mm; 70°	FL 300 mm 601-104-70HD
Telescope HD+2	▶ Ø 4.0 mm; 70°	FL 300 mm 601-104-70HD2



TELESCOPES FOR UROLOGY [autoclavable] ▶ Ø 2.9 mm

Description	Art. No.	
Telescope HD+2	▶ Ø 2.9 mm; 0°	FL 300 mm 601-103-00HD2
Telescope HD+2	▶ Ø 2.9 mm; 12°	FL 300 mm 601-103-12HD2
Telescope HD+2	▶ Ø 2.9 mm; 30°	FL 300 mm 601-103-30HD2
Telescope HD	▶ Ø 2.9 mm; 70°	FL 300 mm 601-103-70

TELESCOPES FOR UROLOGY [autoclavable] ▶ Ø 2.7 mm

Description	Art. No.	
Telescope HD+	▶ Ø 2.7 mm; 0°	FL 187.5 mm 601-203-00HD
Telescope HD+	▶ Ø 2.7 mm; 30°	FL 187.5 mm 601-203-30HD

TELESCOPES FOR UROLOGY [autoclavable] ▶ Ø 2.0 mm

Description	Art. No.	
Telescope HD	▶ Ø 2.0 mm; 0°	FL 187 mm 601-102-00
Telescope HD	▶ Ø 2.0 mm; 30°	FL 187 mm 601-102-30

FLEXIBLE FIBERSCOPES



FLEXIBLE FIBERSCOPES [autoclavable]

Description	Art. No.	
FLEXIBLE CYSTOSCOPE ▶ Ø 5.5 mm; 0° ▶ Working channel Ø 2.3 mm ▶ Angulation up/down 210°/120°	FL 380 mm Field of view 100° EMTO/FCS-5523R (Resolution 18000 pixels) EMTO/FCS-5523.02 (Resolution 21000 pixels)	· Excellent image quality · Resistant shaft and guiding part · Slightly offset deflection tip
FLEXIBLE URETERO-RENSCOPE ▶ Ø 7.5 Fr; 0° ▶ Working channel Ø 3.6 Fr. ▶ Angulation up/down 275°/275°	FL 680 mm Field of view 88° EMTO/FURS-2812R (Resolution 6800 pixels) EMTO/FURS-2812.02 (Resolution 9000 pixels)	· Sterilizable with EtO-Gas and Steris®
BRIDGE ▶ with LUER-connector ▶ 2 stopcocks	087-940-07	

URETERO-RENSCOPES

- ▶ 30.000 pixel
- ▶ 2 working channels (1x 4 Fr. and 1x 5 Fr.)



TELESCOPES FOR UROLOGY [autoclavable]

Description	Art. No.	
URETERO-RENSCOPE [1 working channel 5 Fr.] ▶ 8.0/9.8 Fr.; 12° ▶ 8.0/9.8 Fr.; 12°	FL 315 mm 601-110-05 FL 430 mm 601-110-10	
URETERO-RENSCOPE [1 working channel 4 Fr.] ▶ 6.0/7.5 Fr.; 12° ▶ 6.0/7.5 Fr.; 12°	FL 315 mm 601-110-15 FL 430 mm 601-110-20	
AUTOMATIC VALVE (DUCKBILL) for Ureterorenoscopes 1 box = 10 pcs.	499-196-00	

RESECTOSCOPY SYSTEM FOR Ø 4.0 mm TELESCOPES

► Working elements; **monopolar**



■ 24/26 Fr.
■ 27/28.5 Fr.

MONOPOLAR HF WORKING ELEMENTS; closed handles

Description	Art. No.	HF-Connection	
WORKING ELEMENT; active	630-235-10	downwards	
WORKING ELEMENT; passive	630-235-60	downwards	
WORKING ELEMENT; active	630-235-11	upwards	
WORKING ELEMENT; passive	630-235-61	upwards	

RESECTOSCOPY SYSTEM FOR Ø 4.0 mm TELESCOPES

► Single flow sheaths



■ 24/26 Fr.
■ 27/28.5 Fr.

SINGLE FLOW SHEATHS; 24 Fr. (for monopolar use only)

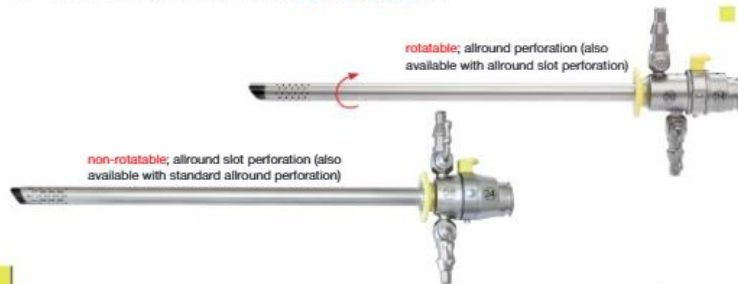
Size	Colour Code	Art. No.	Information
SINGLE FLOW SHEATH with 1 stopcock 	■ yellow	630-200-24	
SINGLE FLOW SHEATH with central valve 		630-202-24	

RESECTOSCOPY SYSTEM FOR Ø 4.0 mm TELESCOPES

- HYBRID continuous flow sheaths for **mono- & bipolar** use



24/26 Fr.



CONTINUOUS FLOW SHEATHS; 2 stopcocks; without obturator

► yellow



Description	Allround perforation	Slot perforation
The continuous flow sheaths are available with allround- or slot perforation (see the pictures to the right)		
non-rotatable		
OUTER SHEATH ► 26 Fr. ► 2 stopcocks	630-204-06	630-204-07
INNER SHEATH ► 24/26 Fr.	630-204-26	630-204-26
rotatable		
OUTER SHEATH ► 26 Fr. ► 2 stopcocks	630-209-06	630-209-07
INNER SHEATH ► 24/26 Fr.	630-209-26	630-209-26

601-104-00HD; 601-104-00HD2
 601-104-12HD; 601-104-12HD2
 601-104-30HD; 601-104-30HD2

Compatible to Laser working elements and accessories: see chapter „Laser instruments“

RESECTOSCOPY SYSTEM FOR Ø 4.0 mm TELESCOPES

- Obturators & adaptor



24/26 Fr.

OBTURATORS; ADAPTOR

24/26 Fr.

Description	yellow	Information
STANDARD OBTURATOR	630-215-24	
DEFLECTING TIP OBTURATOR	630-220-24	
VISUAL OBTURATOR	630-225-24	601-104-30HD 601-104-30HD2
VISUAL OBTURATOR with 1 instrument channel 5 Fr.	630-230-24	
ADAPTOR for use of optical instruments with resectoscopy sheaths	630-035-25	

MICRO TOOLS COMPATIBLE TO THE 24/26 FR. RESECTOSCOPY SYSTEM

- Optical forceps:



ADAPTOR for using optical instruments with resectoscopy sheaths
 24/26 Fr. & 27/28.5 Fr.
 (Art. No. 630-035-25)

- Stone crushing forceps:



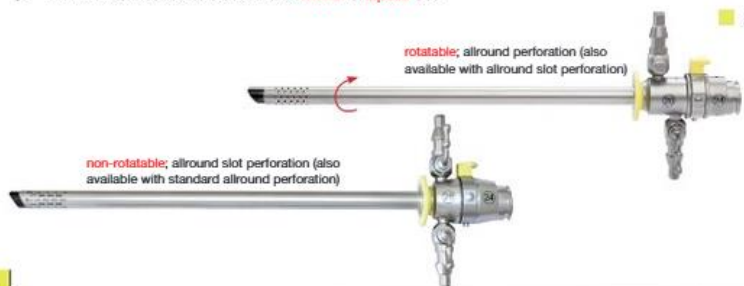
ADAPTOR for using stone crushing forceps with resectoscopic outer sheaths
 26 Fr. & 28.5 Fr.
 (Art. No. 630-035-35)

RESECTOSCOPY SYSTEM FOR Ø 4.0 mm TELESCOPES

- HYBRID continuous flow sheaths for **mono-** & **bipolar** use



24/26 Fr.



CONTINUOUS FLOW SHEATHS; 2 stopcocks; without obturator

► yellow



Description	Allround perforation	Slot perforation
The continuous flow sheaths are available with allround- or slot perforation (see the pictures to the right)		
non-rotatable		
OUTER SHEATH ► 26 Fr. ► 2 stopcocks	630-204-06	630-204-07
INNER SHEATH ► 24/26 Fr.	630-204-26	630-204-26
rotatable		
OUTER SHEATH ► 26 Fr. ► 2 stopcocks	630-209-06	630-209-07
INNER SHEATH ► 24/26 Fr.	630-209-26	630-209-26



Compatible to Laser working elements and accessories: see chapter „Laser instruments“

RESECTOSCOPY SYSTEM FOR Ø 4.0 mm TELESCOPES

- Obturators & adaptor



24/26 Fr.

OBTURATORS; ADAPTOR

24/26 Fr.

Description	yellow	Information
STANDARD OBTURATOR	630-215-24	
DEFLECTING TIP OBTURATOR	630-220-24	
VISUAL OBTURATOR	630-225-24	601-104-30HD 601-104-30HD2
VISUAL OBTURATOR with 1 instrument channel 5 Fr.	630-230-24	
ADAPTOR for use of optical instruments with resectoscopy sheaths	630-035-25	

MICRO TOOLS COMPATIBLE TO THE 24/26 FR. RESECTOSCOPY SYSTEM

- Optical forceps:



- Stone crushing forceps:

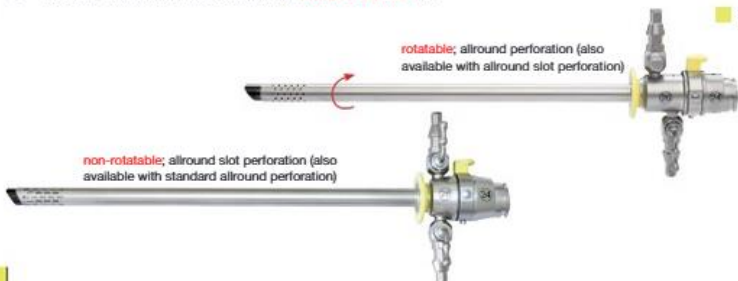


RESECTOSCOPY SYSTEM FOR Ø 4.0 mm TELESCOPES

- HYBRID continuous flow sheaths for **mono-** & **bipolar** use



24/26 Fr.



CONTINUOUS FLOW SHEATHS; 2 stopcocks; without obturator

► yellow



Description	Allround perforation	Slot perforation
The continuous flow sheaths are available with allround- or slot perforation (see the pictures to the right)		
non-rotatable		
OUTER SHEATH ► 26 Fr. ► 2 stopcocks	630-204-06	630-204-07
INNER SHEATH ► 24/26 Fr.	630-204-26	630-204-26
rotatable		
OUTER SHEATH ► 26 Fr. ► 2 stopcocks	630-209-06	630-209-07
INNER SHEATH ► 24/26 Fr.	630-209-26	630-209-26
601-104-00HD; 601-104-00HD2 601-104-12HD; 601-104-12HD2 601-104-30HD; 601-104-30HD2		

Compatible to Laser working elements and accessories: see chapter „Laser instruments“

RESECTOSCOPY SYSTEM FOR Ø 4.0 mm TELESCOPES

- Obturators & adaptor



24/26 Fr.

OBTURATORS; ADAPTOR

24/26 Fr.

Description	yellow	Information
STANDARD OBTURATOR	630-215-24	
DEFLECTING TIP OBTURATOR	630-220-24	
VISUAL OBTURATOR	630-225-24	601-104-30HD 601-104-30HD2
VISUAL OBTURATOR with 1 instrument channel 5 Fr.	630-230-24	
ADAPTOR for use of optical instruments with resectoscopy sheaths	630-035-25	

MICRO TOOLS COMPATIBLE TO THE 24/26 FR. RESECTOSCOPY SYSTEM

- Optical forceps:

Optical forceps to use

with Cysto-Urethroscopes
and Resectoscope sheaths



ADAPTOR for using optical instruments with resectoscopy sheaths

24/26 Fr. & 27/28.5 Fr.

(Art. No. 630-035-25)

- Stone crushing forceps:



ADAPTOR for using stone crushing forceps with resectoscopic outer sheaths

26 Fr. & 28.5 Fr.

(Art. No. 630-035-35)

RESECTOSCOPY SYSTEM FOR Ø 4.0 mm TELESCOPES

- Reusable electrodes for use with **monopolar** current and non-conductive solution (Sorbitol, Mannitol, Glycine)



24/26 Fr.

MONOPOLAR HF ELECTRODES

24/26 Fr.

24/26 Fr.	Colour code	Art. No.	Electrode Spez.	
LOOP ELECTRODE; angled 30°	yellow	630-240-00	30°	
LOOP ELECTRODE; angled 12°	blue	630-240-05	-	
LOOP ELECTRODE; straight	yellow	630-240-10		
BALL ELECTRODE	yellow	630-240-15	Ø 3.0 mm	
	yellow	630-240-20	Ø 5.0 mm	
ROLLER ELECTRODE	yellow	630-240-25	Ø 3.0 mm	
	yellow	630-240-30	Ø 5.0 mm	
CONICAL ELECTRODE	yellow	630-240-35		
KNIFE ELECTRODE; angled	yellow	630-240-40		
VAPORIZATION ELECTRODE; toothed	yellow	630-240-45	Ø 3.0 mm	
	yellow	630-240-50	Ø 5.0 mm	
VAPORIZATION ELECTRODE; smooth	yellow	630-240-55	Ø 3.0 mm	
	yellow	630-240-60	Ø 5.0 mm	
BAND ELECTRODE; angled	yellow	630-240-65	30°	
	yellow	630-240-70	0°/12°	

RESECTOSCOPY SYSTEM FOR Ø 4.0 mm TELESCOPES

- HYBRID continuous flow sheaths for **mono- & bipolar** use
- Obturators & adaptor



27/28.5 Fr.

CONTINUOUS FLOW SHEATHS; 2 stopcocks

27/28.5 Fr.

Description	Allround perforation	
 rotatable, allround perforation	 non-rotatable, allround perforation	
	Non-rotatable	Rotatable
OUTER SHEATH (28.5 Fr.)	630-204-08	630-209-08
INNER SHEATH (27 Fr.)	630-204-28	630-209-28

▲ Compatible to Laser working elements and accessories: see chapter „Laser instruments“

All mono- and bipolar electrodes for the 24/26 Fr. resectoscopy system can also be used with the 27/28.5 Fr. system.
For monopolar electrodes 27/28.5 Fr. see next page

OBTURATORS; ADAPTOR

27/28.5 Fr.

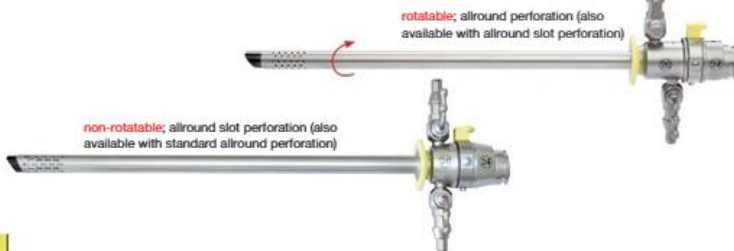
Description	Art. No.	Information
STANDARD OBTURATOR	630-215-27	
DEFLECTING TIP OBTURATOR	630-220-27	
VISUAL OBTURATOR	630-225-27	 601-104-30HD 601-104-30HD2
VISUAL OBTURATOR with 1 instrument channel 7 Fr.	630-230-27	
ADAPTOR for use of optical instruments with resectoscopy sheaths	630-035-25	

RESECTOSCOPY SYSTEM FOR Ø 4.0 mm TELESCOPES

- HYBRID continuous flow sheaths for **mono- & bipolar** use



24/26 Fr.



CONTINUOUS FLOW SHEATHS; 2 stopcocks; without obturator

► yellow



Description	Allround perforation	Slot perforation
The continuous flow sheaths are available with allround- or slot perforation (see the pictures to the right)		
non-rotatable		
OUTER SHEATH		
► 26 Fr.		
► 2 stopcocks		
	630-204-06	630-204-07
INNER SHEATH		
► 24/26 Fr.		
	630-204-26	630-204-26
rotatable		
OUTER SHEATH		
► 26 Fr.		
► 2 stopcocks		
	630-209-06	630-209-07
INNER SHEATH		
► 24/26 Fr.		
	630-209-26	630-209-26

601-104-00HD; 601-104-00HD2
 601-104-12HD; 601-104-12HD2
 601-104-30HD; 601-104-30HD2

Compatible to Laser working elements and accessories: see chapter „Laser instruments“

RESECTOSCOPY SYSTEM FOR Ø 4.0 mm TELESCOPES

- Obturators & adaptor



24/26 Fr.

OBTURATORS; ADAPTOR

24/26 Fr.

Description	yellow	Information
STANDARD OBTURATOR	630-215-24	
DEFLECTING TIP OBTURATOR	630-220-24	
VISUAL OBTURATOR	630-225-24	601-104-30HD 601-104-30HD2
VISUAL OBTURATOR with 1 instrument channel 5 Fr.	630-230-24	
ADAPTOR for use of optical instruments with resectoscopy sheaths	630-035-25	

MICRO TOOLS COMPATIBLE TO THE 24/26 FR. RESECTOSCOPY SYSTEM

- Optical forceps:



ADAPTOR for using optical instruments with resectoscopy sheaths

24/26 Fr. & 27/28.5 Fr.

(Art. No. 630-035-25)

- Stone crushing forceps:



ADAPTOR for using stone crushing forceps with resectoscopic outer sheaths

26 Fr. & 28.5 Fr.

(Art. No. 630-035-35)

LITHOTRIPSY

► Instruments for Ø 4 mm telescopes



OPTICAL STONE CRUSHING FORCEPS ► 25 Fr.

Description	Art. No.	Information
STONE CRUSHING FORCEPS 	630-035-30	 601-104-12HD  601-104-12HD2  601-104-30HD  601-104-30HD2
ADAPTOR for using stone crushing forceps (No. 630-035-30) with 26/28.5 Fr. outer resectoscope sheath 	630-035-35	
For the lithotripsy of small stones, as well as an indispensable tool to split large stones to prepare the removal of larger stone fragments from the bladder through suction. TO USE WITH: • Cystoscopy sheaths  25 Fr. • Adapter to connect to resectoscopy outer sheaths  26 Fr.  28.5 Fr.		

LITHOTRIPTOR (mechanical) ► 24 Fr.

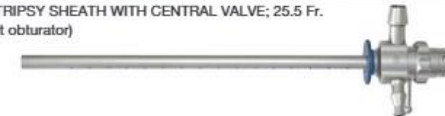
Description	Art. No.	Information
LITHOTRIPTOR ► rotatable ► 2 stopcocks 	630-035-85	 601-104-70HD  601-104-70HD2
Two mechanisms, one instrument: Grasping and grinding of a stone is done with the lever handle mechanism. In case the manual force to split the stone is not sufficient, the mechanism of the spindle wheel will surely do so. Smaller stone residues can then easily be triturated again with the lever handle.		

LITHOTRIPSY

► Instrument system for Ø 4 mm telescopes



LITHOTRIPSY SYSTEM ► 25.5 Fr.

Description	Art. No.	Information
LITHOTRIPSY SHEATH WITH CENTRAL VALVE; 25.5 Fr. (without obturator) 	630-040-00	
STANDARD OBTURATOR ► for lithotripsy sheath ► 25.5 Fr. 	630-040-10	
WORKING ELEMENT FOR PUNCH LITHOTRIPSY ► optical ► 25.5 Fr. 	630-040-05	 601-104-12HD  601-104-12HD2  601-103-30HD  601-103-30HD2
TELESCOPE BRIDGE FOR LITHOTRIPSY ► 1 instrument channel 7 Fr.; only for flexible instruments ► 25.5 Fr. 	630-040-15	

UROLOGY TELESCOPES HD+, HD+2

- ▶ Ø 4.0 mm / Ø 2.9 mm / Ø 2.7 mm / Ø 2.0 mm
- ▶ Compatible with most instrument- and camera systems



TELESCOPES FOR UROLOGY [autoclavable]

▶ Ø 4.0 mm

Description		Art. No.	
Telescope HD+	▶ Ø 4.0 mm; 0°	FL 300 mm	601-104-00HD
Telescope HD+2	▶ Ø 4.0 mm; 0°	FL 300 mm	601-104-00HD2
Telescope HD+	▶ Ø 4.0 mm; 12°	FL 300 mm	601-104-12HD
Telescope HD+2	▶ Ø 4.0 mm; 12°	FL 300 mm	601-104-12HD2
Telescope HD+	▶ Ø 4.0 mm; 30°	FL 300 mm	601-104-30HD
Telescope HD+2	▶ Ø 4.0 mm; 30°	FL 300 mm	601-104-30HD2
Telescope HD+	▶ Ø 4.0 mm; 70°	FL 300 mm	601-104-70HD
Telescope HD+2	▶ Ø 4.0 mm; 70°	FL 300 mm	601-104-70HD2



TELESCOPES FOR UROLOGY [autoclavable]

▶ Ø 2.9 mm

Description		Art. No.	
Telescope HD+2	▶ Ø 2.9 mm; 0°	FL 300 mm	601-103-00HD2
Telescope HD+2	▶ Ø 2.9 mm; 12°	FL 300 mm	601-103-12HD2
Telescope HD+2	▶ Ø 2.9 mm; 30°	FL 300 mm	601-103-30HD2
Telescope HD	▶ Ø 2.9 mm; 70°	FL 300 mm	601-103-70

TELESCOPES FOR UROLOGY [autoclavable]

▶ Ø 2.7 mm

Description		Art. No.	
Telescope HD+	▶ Ø 2.7 mm; 0°	FL 187.5 mm	601-203-00HD
Telescope HD+	▶ Ø 2.7 mm; 30°	FL 187.5 mm	601-203-30HD

TELESCOPES FOR UROLOGY [autoclavable]

▶ Ø 2.0 mm

Description		Art. No.	
Telescope HD	▶ Ø 2.0 mm; 0°	FL 187 mm	601-102-00
Telescope HD	▶ Ø 2.0 mm; 30°	FL 187 mm	601-102-30

FLEXIBLE FIBERSCOPES



FLEXIBLE FIBERSCOPES [autoclavable]

Description		Art. No.	
FLEXIBLE CYSTOSCOPE ▶ Ø 5.5 mm; 0° ▶ Working channel Ø 2.3 mm ▶ Angulation up/down 210°/120°	FL 380 mm Field of view 100°	EMTO/FCS-5523R (Resolution 18000 pixels) EMTO/FCS-5523.02 (Resolution 21000 pixels)	· Excellent image quality · Resistant shaft and guiding part · Slightly offset deflection tip
FLEXIBLE URETERO-RENSCOPE ▶ Ø 7.5 Fr; 0° ▶ Working channel Ø 3.6 Fr. ▶ Angulation up/down 275°/275°	FL 680 mm Field of view 88°	EMTO/FURS-2812R (Resolution 6800 pixels) EMTO/FURS-2812.02 (Resolution 9000 pixels)	· Sterilizable with EtO-Gas and Steris®
BRIDGE ▶ with LUER-connector ▶ 2 stopcocks		087-940-07	

URETERO-RENSCOPES

- ▶ 30.000 pixel
- ▶ 2 working channels (1x 4 Fr. and 1x 5 Fr.)



TELESCOPES FOR UROLOGY [autoclavable]

Description		Art. No.	
URETERO-RENSCOPE [1 working channel 5 Fr.] ▶ 8.0/9.8 Fr.; 12° ▶ 8.0/9.8 Fr.; 12°	FL 315 mm FL 430 mm	601-110-05 601-110-10	
URETERO-RENSCOPE [1 working channel 4 Fr.] ▶ 6.0/7.5 Fr.; 12° ▶ 6.0/7.5 Fr.; 12°	FL 315 mm FL 430 mm	601-110-15 601-110-20	
AUTOMATIC VALVE (DUCKBILL) for Ureterorenoscopes 1 box = 10 pcs.		499-196-00	