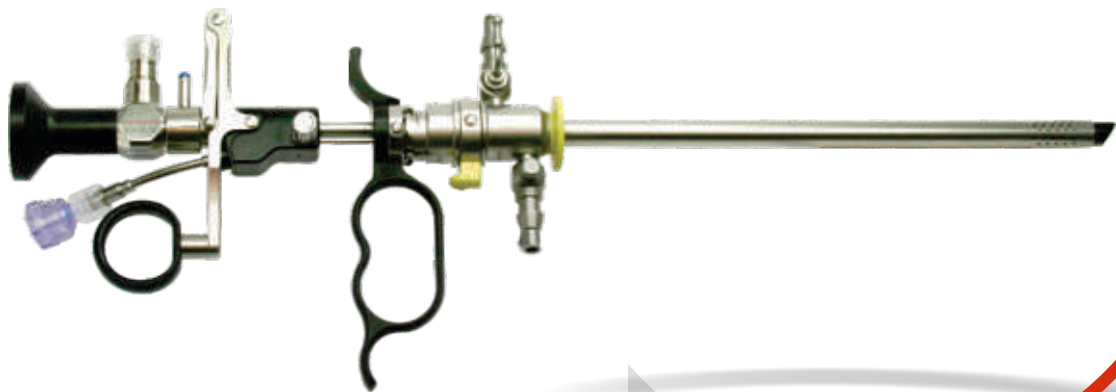


Maxer

GERMANY

UROLOGY



M UROLOGY
SYSTEM

maxerendoscopy.com



ISO Certificate

Quality management system as per
ISO 13485 :2012 Medical Device Certification
for development & Production & Endoscopic
instrument & Equipments

CE Certificate

As per council directive 93/42/EEC
Concerning medical devices



About Maxer

Maxer Medizintechnik GmbH has established itself as a symbol of creativity and latest technology and is an internationally qualified supplier of world class medical instruments and devices.

Specialized in the field of Minimal Invasive Surgery, Maxer manufactures wide range of equipments such as Laparoscopy, Hysteroscopy, Urology, Pediatric Surgery, Arthroscopy, Spine Endoscopy, ENT, etc.

Maxer has been one of the foremost companies to bring out HD technology in MIS field. In 2004, Maxer brought out first endoscopy camera with Matrix Metering. In 2008, Maxer brought out HD Telescopes. In 2009, Maxer launched first Networked Endoscopy Camera System. In 2010, Maxer introduced pathbreaking 16 Fr Resectoscope for Office Hysteroscopy. In 2011, Maxer launched LED Headlight with 200,000 Lux illumination, again a state of art in this segment. In 2012, Maxer launched LED Light sources to keep Maxer customers always at the cutting edge of technology. Maxer has also launched HD cameras with integrated Full HD recording. 3 CMOS HD cameras with 6 megapixel camera head will be launched soon.

Owners of Maxer have been working in Medical market for more than 20 years and have installed thousands of sets with high level of customer satisfaction. This background has given Maxer profound credibility in the field of endoscopy.

Due to vibrant co-operation with end users, Maxer is able to continuously improve upon the product range and also able to meet special modification demands. Maxer believes that growth and innovation go hand-in-hand.

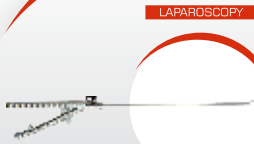
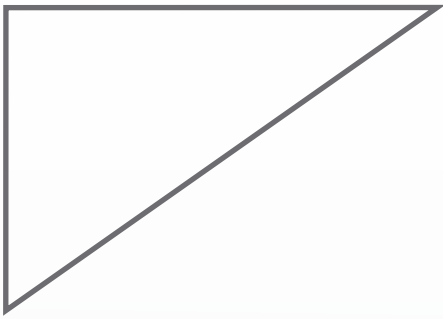


Maxer sells complete system with a focus on product quality and customers satisfaction. Maxer provides sales and service training to it's distributor in order to be successful.

Maxer believes that sound ethics with professionalism will only give success to the company. Maxer's growth and success are based on long term partnerships with customers, distributors. Maxer currently exports it's products to Europe, Asia, Africa.

Maxer is headed by Mr. Giovanni Miranda in the capacity as a Managing Director.

How to reach to Maxer - Maxer is located in Würlingen (sales office) within the medical instruments manufacturing region around Tuttlingen in South Germany. Maxer also has registered office at Spaichingen.



LAPAROSCOPY
MSYSTEM
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PEDIATRIC
MSYSTEM
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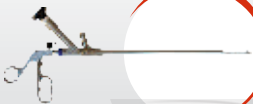
HYSTEROSCOPY
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UROLOGY
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UNITS
MSYSTEM
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SPINE ENDOSCOPY
MSYSTEM
maxerendoscopy.com



ENT
MSYSTEM
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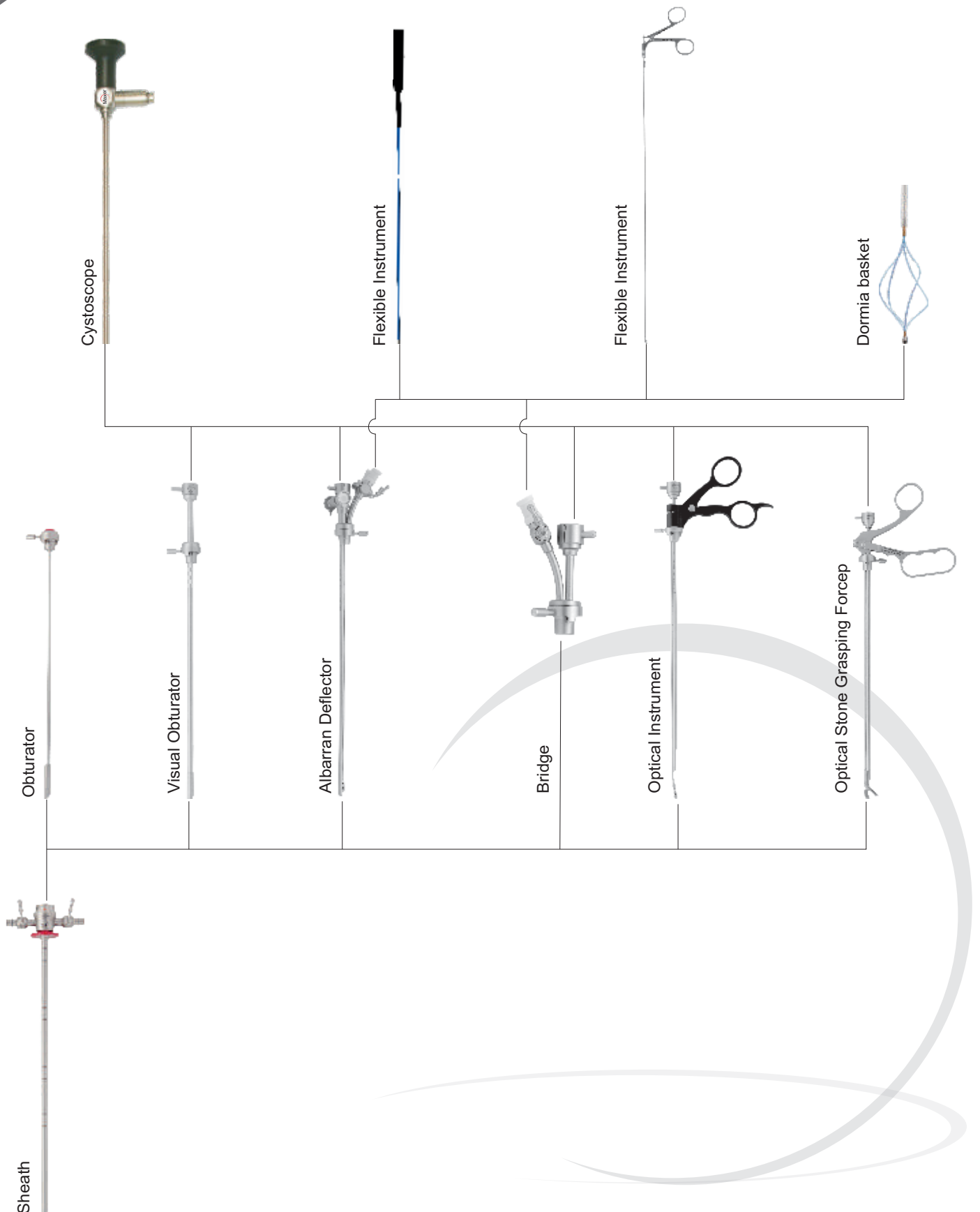


ARTHROSCOPY
MSYSTEM
maxerendoscopy.com

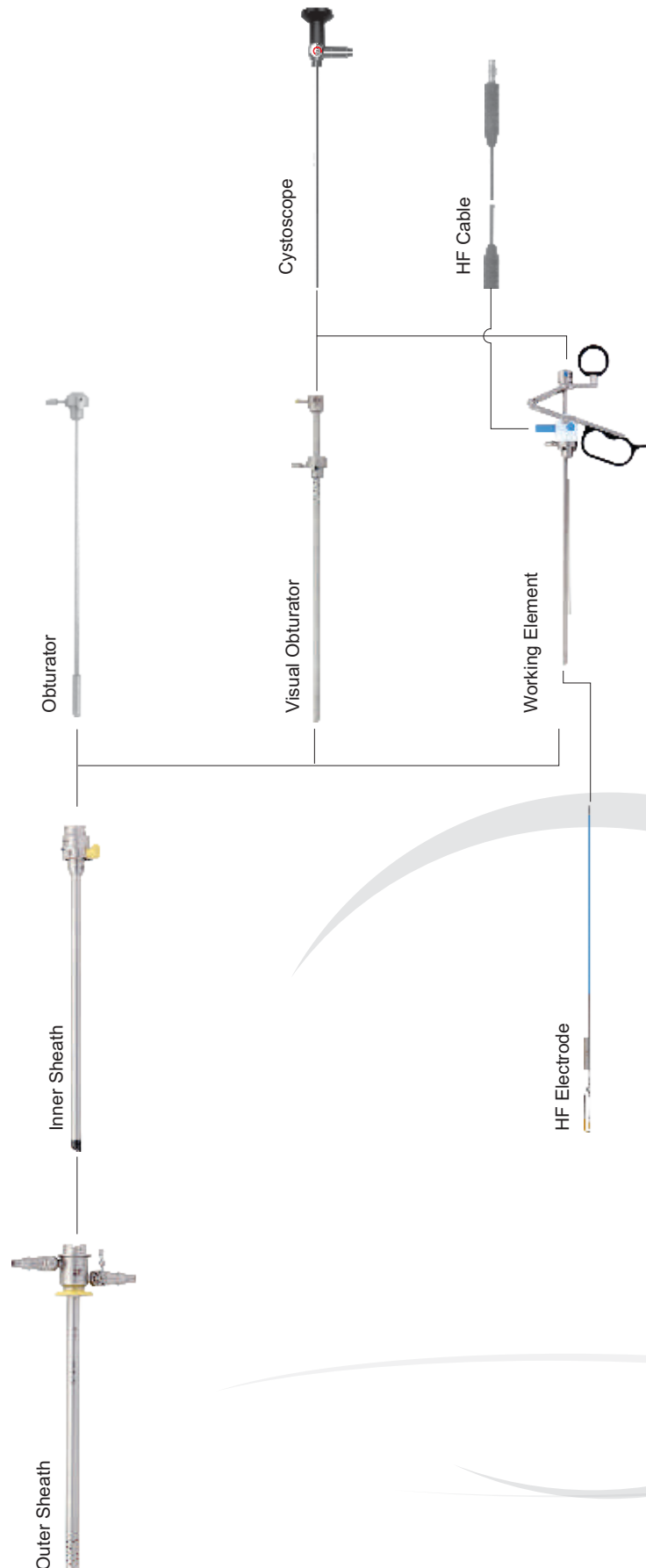
INDEX

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Flexible Instruments for URS_____	U-64

General Information - Cystoscopy Overview



General Information - Resectoscopy Overview



General Information - Conversion Table

CH or FR units are often used to indicate tube size in Urology

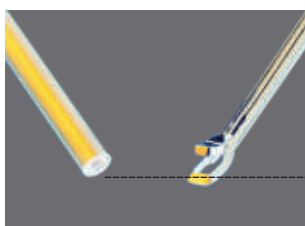
Table of measures

CH/FR	mm	CH/FR	mm
1	0.3	16	5.3
2	0.7	17	5.7
3	1.0	18	6.0
4	1.3	19	6.3
5	1.7	20	6.7
6	2.0	21	7.0
7	2.3	22	7.3
8	2.7	23	7.7
9	3.0	24	8.0
10	3.3	25	8.3
11	3.7	26	8.7
12	4.0	27	9.0
13	4.3	28	9.3
14	4.7	29	9.7
15	5.0	30	10.0

Urology Endoscopes from Maxer, Germany

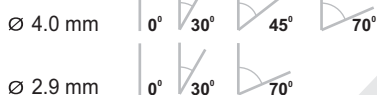
Cystoscopes, Nephroscopes, Ureterorenoscopes

Maxer has been setting innovative standards for many years. Maxer produces laser welded endoscopes which can withstand numerous autoclaving cycles. Its glass cone technology is also unique. Maxer endoscopes are known worldwide for third generation optics which give high resolution & brightness all over the image. New High Definition cystoscopes are developed with better optical clarity & depth of focus.



Sapphire tip -

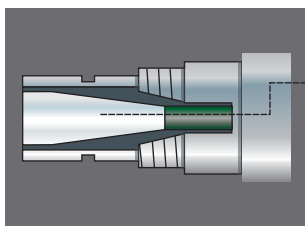
For 3 times more scratch resistance,
safe with shaver blades



Laser welded joints -

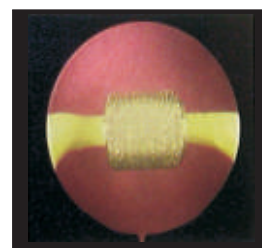
No chance of leakage

Complete stainless steel -
Increased sturdiness

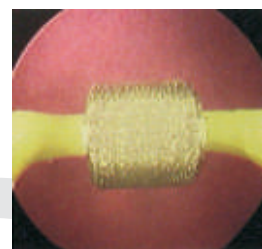


Glass cone -

For 4 mm & smaller Cystoscopes
for longer life of fibers



Standard version



H M version

FEATURES

- High Definition Cystoscopes have better optics to give enhanced clarity
- High-quality, multi coated (anti-reflective) optical system
- Highly refractive glass for optimal color rendering even when the image is magnified
- Extremely precise centering of the optical & mechanical components for an image that is brilliant & high contrast even around the edges
- Triple tube design for higher stability with many types of endoscopes
- Nitrogen filled optical system to avoid interior condensation
- High resolution optics, Sapphire cover glass on both ends,
- Glass cone to collect light from F. O. Cable, Autoclavable

Cystoscopes Ø 4.0 mm & 2.9 mm



HM Version 4 mm

0° HM	12° HM	30° HM	70° HM	Ø mm	Working Length
15.10.4100	15.10.4112	15.10.4130	15.10.4170	4.0	300 mm

HM HD Version 4 mm

0° HM HD	12° HM HD	30° HM HD	70° HM HD	Ø mm	Working Length
15.10.4600	15.10.4612	15.10.4630	15.10.4670	4.0	300 mm



HD Version 2.9 mm

0° HD	12° HD	30° HD	70° HD	Ø mm	Working Length
15.10.3500	15.10.3512	15.10.3530	15.10.3570	2.9	300 mm

HM = High Magnification offers magnified image for the same working area

HD = High Definition scopes offer better optical clarity, brightness & depth of focus

Cystoscope - Urethroscope Sheaths



30.30.0117	Cystoscope Urethroscope sheath without obturator	17 CH - color code: Yellow
30.30.0119	Cystoscope Urethroscope sheath without obturator	19 CH - color code: Green
30.30.0121	Cystoscope Urethroscope sheath without obturator	21 CH - color code: Red
30.30.0123	Cystoscope Urethroscope sheath without obturator	23 CH - color code: Blue
30.30.0125	Cystoscope Urethroscope sheath without obturator	25 CH - color code: White



Sheaths with Central Valve

30.31.0117	Cystoscope Urethroscope sheath without obturator	17 CH - color code: Yellow
30.31.0119	Cystoscope Urethroscope sheath without obturator	19 CH - color code: Green
30.31.0121	Cystoscope Urethroscope sheath without obturator	21 CH - color code: Red
30.31.0123	Cystoscope Urethroscope sheath without obturator	23 CH - color code: Blue
30.31.0125	Cystoscope Urethroscope sheath without obturator	25 CH - color code: White

Cystoscope - Urethroscope

Obturator & Telescope Bridge



30.30.0040	17 CH
30.30.0041	19 CH
30.30.0042	21 CH
30.30.0043	23 CH
30.30.0044	25 CH

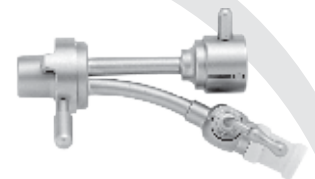


Obturator for Cystoscope -
Urethroscope sheath only

30.35.1000	Telescope bridge for diagnostic
-------------------	---------------------------------



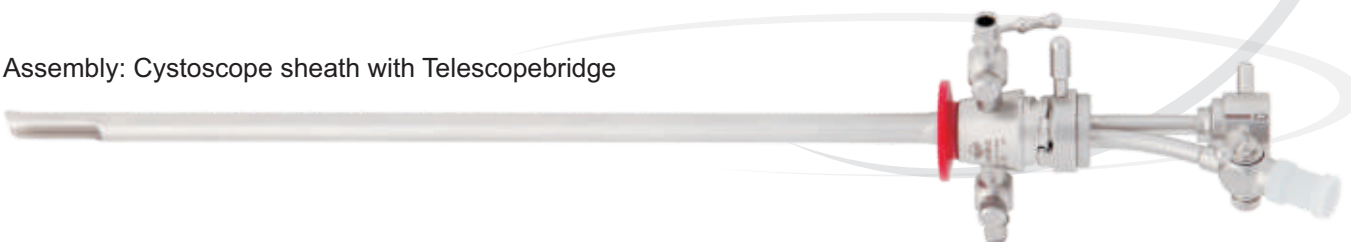
30.35.1001	Telescope bridge with 1 lockable instrument channel
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30.35.1002	Telescope bridge with 2 lockable instrument channels
-------------------	--



Assembly: Cystoscope sheath with Telescopebridge



Laser Cystoscope sheath

For 4 mm Cystoscope

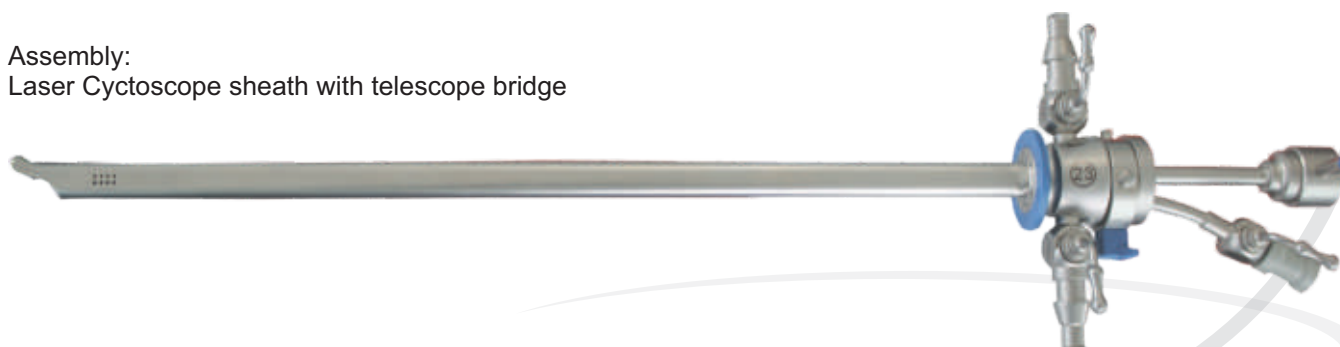


30.32.0023EL	Laser Cystoscope sheath high continuous flow without obturator, 23 CH
30.32.0123EL	Obturator for Laser Cystoscope Uretroscope sheath 23 CH



30.32.0001EL	Telescope bridge & laser guide with 1 working channel for 8 CH laser fibers & instruments
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Assembly:
Laser Cystoscope sheath with telescope bridge



Working Elements with Albarran Deflector

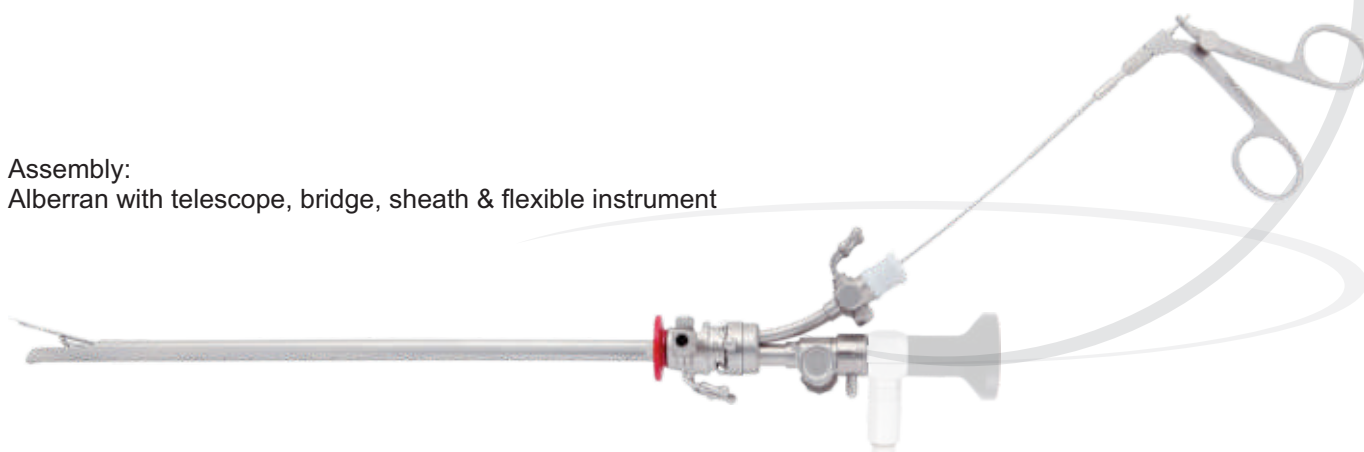
For 4 mm Cystoscope

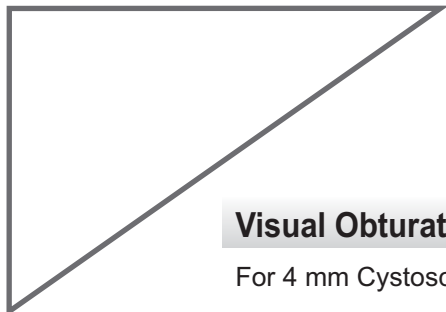


30.36.2001	Working element with Albarran Deflector with 1 instrument channel, lockable
30.36.2002	Working element with Albarran Deflector with 2 instrument channels, lockable
30.36.2003	Protection Rod for Albarran

Sheaths	Passage with	Working Element	Colour Code of sheath
Article No.	30.36.2001	30.36.2002	
30.30.0119	1X5 CH	2X4 CH 1X5 CH	Green
30.30.0121	1X6 CH	2X5 CH 1X6 CH	Red
30.30.0123	1X9 CH	2X6 CH 1X9 CH	Blue
30.30.0125	1X10 CH	2X8 CH 1X10 CH	White

Assembly:
Alberran with telescope, bridge, sheath & flexible instrument





Visual Obturators for Cystoscopes - Urethrosopes

For 4 mm Cystoscope



Allows insertion of sheaths under vision Suitable for Cystoscopes 4 mm 30°

30.37.0017	Visual Obturator for sheath	17 CH	Yellow
30.37.0019	Visual Obturator for sheath	19 CH	Green
30.37.0021	Visual Obturator for sheath	21 CH	Red
30.37.0023	Visual Obturator for sheath	23 CH	Blue
30.37.0025	Visual Obturator for sheath	25 CH	White

Optical Instruments

For 4 mm Cystoscope
For use with Cystoscopy Sheaths 21 CH or bigger



30.38.0600

Biopsy forceps, spoon shaped, double action, for 0° & 12° scopes



30.38.0601

Grasping forceps, double action, for 0° & 12° scopes



30.38.0602

Biopsy punch, double action, for 0° & 12° scopes



30.38.0603

Hook scissors, double action, for 0° & 12° scopes



30.38.0604

Biopsy grasping forceps, below double action, for 0° & 30° scopes



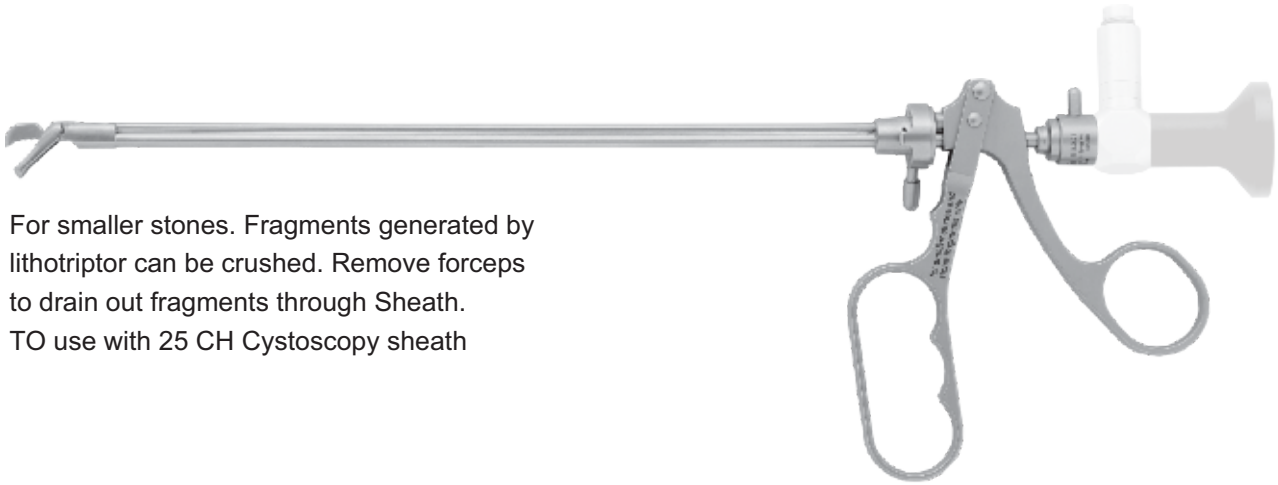
30.38.0605

Adaptor for Resectoscope inner sheath to use optical instruments



Optical Stone Grasping Forceps

For 4 mm Cystoscope



For smaller stones. Fragments generated by lithotripter can be crushed. Remove forceps to drain out fragments through Sheath. TO use with 25 CH Cystoscopy sheath

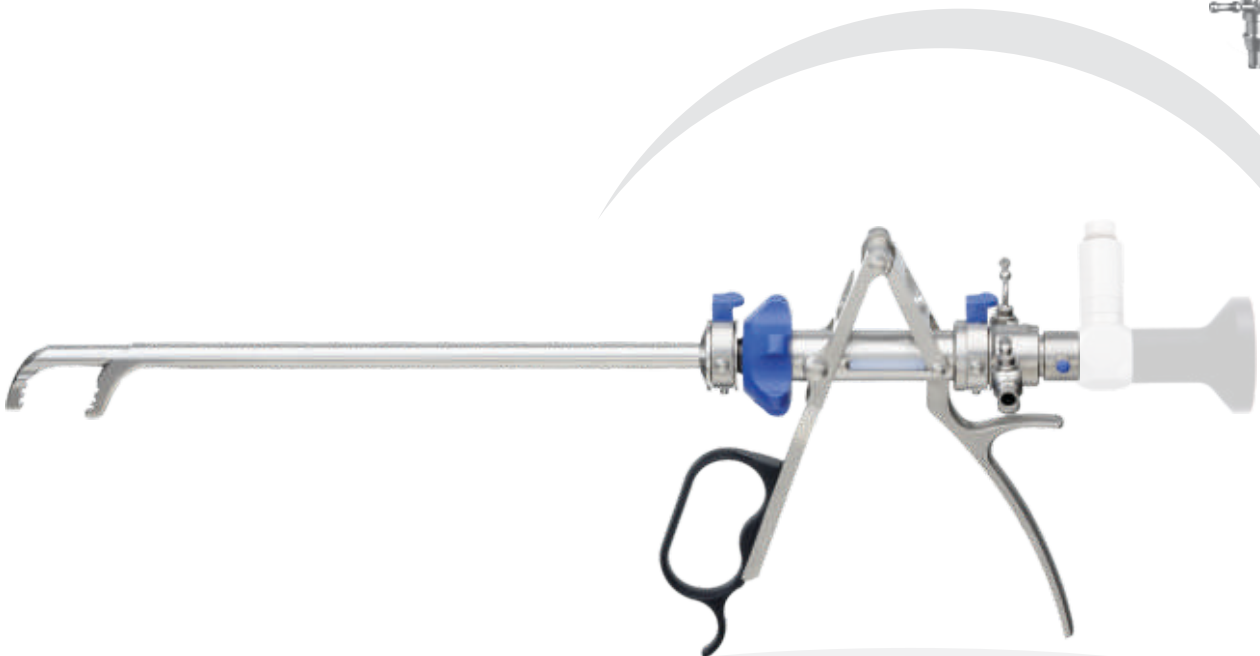
30.38.0606

Stone grasping forceps, for 0° & 12° scopes



30.38.0607

Adaptor for Resectoscope outer sheath to use stone crushing forceps & Lithotripter



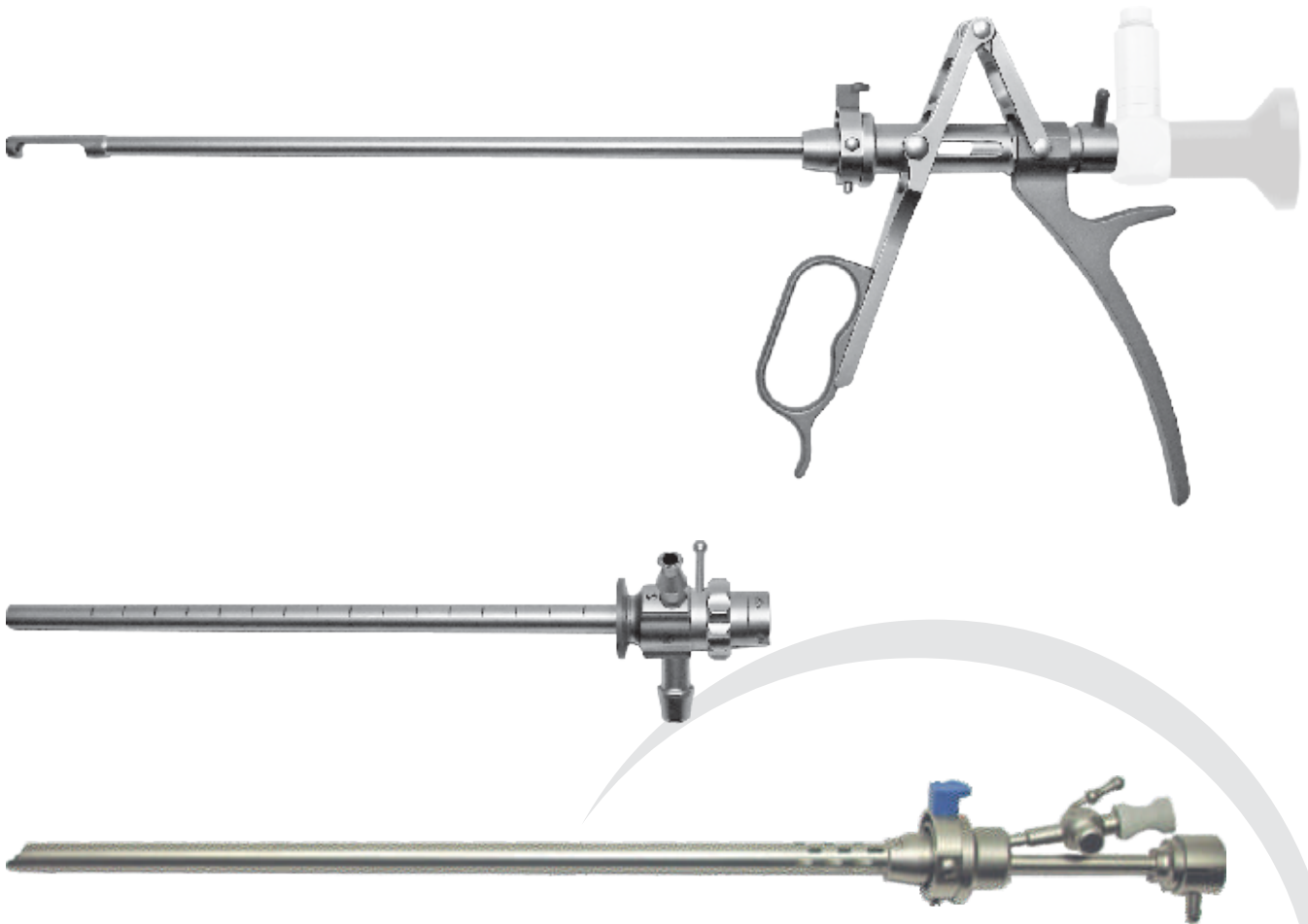
30.38.0610EL

Bladder stone Lithotripter for rapid stone crushing. Easy & safe insertion. Strong construction. Use screw to apply large force, to use with Cystoscope 4 mm 70 deg (15.10.4670 & 15.10.4170)

Mauermayer Optical Punch - Easy Lock

For 4 mm Cystoscope

For reducing size of large stones by scraping action for easy removal.



30.38.0608EL	Mauermayer Punch Working Element	for scopes (30°)
30.38.1608EL	Mauermayer sheath with central valve	24 CH
30.38.2608EL	Standard obturator for Mauermayer sheath	-
30.38.3608EL	Bridge with instrument channel for Mauermayer sheath	7 CH

Flexible Instruments



Biopsy Forceps, oval spoon, double action

Flexible	Flexible / Insulated	Semi - Rigid	Length	Ø mm	CH
25.46.1005	-----	25.46.3005	40 cm	1.6	5 CH
25.46.1006	25.46.2006	25.46.3006	40 cm	2.1	6 CH
25.46.1007	25.46.2007	25.46.3007	40 cm	2.3	7 CH
25.46.1009	25.46.2009	25.46.3009	40 cm	3.0	9 CH



Biopsy Forceps, oval spoon, serrated, double action

Flexible	Flexible / insulated	Semi - Rigid	Length	Ø mm	CH
25.47.1005	-----	25.47.3005	40 cm	1.6	5 CH
25.47.1006	25.47.2006	25.47.3006	40 cm	2.1	6 CH
25.47.1007	25.47.2007	25.47.3007	40 cm	2.3	7 CH
25.47.1009	25.47.2009	25.47.3009	40 cm	3.0	9 CH



Grasping Forceps, Alligator jaw, double action

Flexible	Flexible / insulated	Semi - Rigid	Length	Ø mm	Ø CH
25.48.1005	-----	25.48.3005	40 cm	1.6	5 CH
25.48.1007	25.48.2007	25.48.3007	40 cm	2.3	7 CH
25.48.1009	25.48.2009	25.48.3009	40 cm	3.0	9 CH

Flexible Instruments



Scissors, single action

Flexible	Flexible / Insulated	Semi - Rigid	Length	Ø mm	Ø CH
25.49.1005	-----	25.49.3005	40 cm	1.6	5 CH
25.49.1006	25.49.2006	25.49.3006	40 cm	2.1	6 CH
25.49.1007	25.49.2007	25.49.3007	40 cm	2.3	7 CH
25.49.1009	25.49.2009	25.49.3009	40 cm	3.0	9 CH

Please refer Flexible Instruments Catalogue for full range of flexible instruments in manufacturing program.

Flexible Monopolar Electrodes

Coagulation Electrode



Ball Electrode



Needle Electrode



Loop Electrode

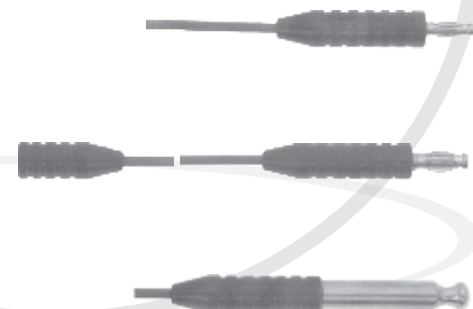
WL 45 cm	WL 65 cm	CH	Shaped
25.50.0103	25.50.1103	3 CH	Coagulation Ball Electrode
25.50.0105	25.50.1105	5 CH	Coagulation Ball Electrode
25.50.0107	25.50.1107	7 CH	Coagulation Ball Electrode
25.50.0109	25.50.1109	9 CH	Coagulation Ball Electrode
25.50.0203	25.50.1203	3 CH	Coagulation Needle Electrode
25.50.0205	25.50.1205	5 CH	Coagulation Needle Electrode
25.50.0207	25.50.1207	7 CH	Coagulation Needle Electrode
25.50.0305	25.50.1305	5 CH	Coagulation Loop Electrode
25.50.0307	25.50.1307	7 CH	Coagulation Loop Electrode
25.50.0309	25.50.1309	9 CH	Coagulation Loop Electrode

HF (High Frequency) Cable, Monopolar

25.50.0004	4 mm (Aesculap, Berchtold, Martin)
25.50.0005	5 mm (Storz, Erbe)
25.50.0008	8 mm (Valleylab, Bovie)

Instrument

Unit



Flexible Bipolar Electrodes



25.60.5055

Button Electrode, Flexible, Bipolar 5 CH, WL 360 mm

25.60.5060

Needle Electrode, Flexible, Bipolar 5 CH, WL 360 mm

25.60.5065

Needle Electrode Curved, Flexible, Bipolar 5 CH, WL 360 mm

Myoma Fixation Instrument



25.50.0533

5 CH, WL 34 cm

HF (High Frequency) Cable, Bipolar

Instruments

Bipolar-Units

20.67.2003

Length 3 mm, Flat plug (Erbe/Wisap/Storz)



20.67.2103

Length 3 mm, Flat plug (GIMMI / Martin / Berchtold)



20.67.2203

Length 3 mm, Flat plug (Valleylab)



Dormia Stone Dislodger



30.40.5206	Handle for Dormia Stone dislodger 5 CH / 3 CH, color blue
30.40.5308	Handle for Dormia Stone dislodger 7 CH, color yellow



Dormia Stone Baskets 60 cm long without handle

30.40.5106	4 Wires	5 CH
30.40.5307	4 Wires	7 CH
30.40.5305	5 Wires	5 CH
30.40.5317	5 Wires	7 CH
30.40.5306	6 Wires	5 CH
30.40.5316	6 Wires	7 CH



Dormia Stone Baskets 90 cm long without handle

30.40.5303	4 Wires	3 CH
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Resectoscope & Accessories

For 4 mm Cystoscope

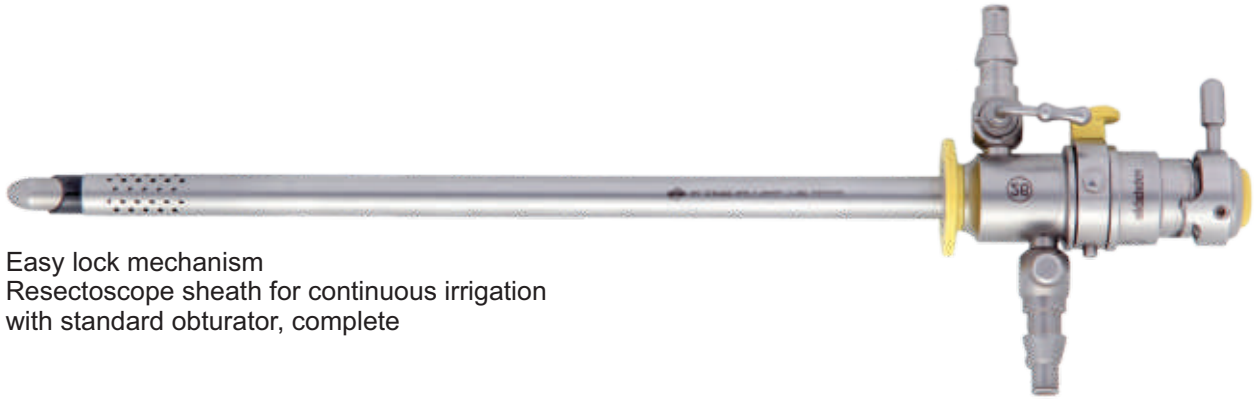


FEATURES

- Easy locking sheaths for secure connections
- Ergonomic design
- Sturdy spring construction
- German Craftsmanship
- Wide range of accessories

Resectoscope Sheaths

For continuous irrigation



Easy lock mechanism
Resectoscope sheath for continuous irrigation
with standard obturator, complete



Outer sheath only
Different types of perforations available on request



Inner sheath only



Obturator only

Resectoscope Sheath for continuous irrigation

For 4 mm Cystoscope

25.60.0031EL	Resectoscope sheath for continuous irrigation fixed inner sheath, 26/24 CH, with standard obturator, Complete
25.60.1031EL	Outer sheath only, 26 CH
25.60.2031EL	Inner sheath with ceramic insulation only 24 CH

25.60.0032EL	Resectoscope sheath for continuous irrigation rotatable, 26/24 CH, with standard obturator, Complete
25.60.1032EL	Outer sheath only, 26 CH
25.60.2032EL	Inner sheath with ceramic insulation only 24 CH

25.60.0035EL	Resectoscope sheath for continuous irrigation, rotatable 28.5/27 CH, with standard obturator, Complete
25.60.1035EL	Outer sheath only, 28 CH
25.60.2035EL	Inner sheath with ceramic insulation only 27 CH

25.60.0036	24 CH Resectoscopy sheath with central valve, oblique tip, without obturator
25.60.0037	27 CH Resectoscopy sheath with central valve, oblique tip, without obturator
25.60.0039	24 CH Resectoscopy sheath, oblique tip, without obturator
25.60.0040	27 CH Resectoscopy sheath, oblique tip, without obturator

Obturator for Resectoscope Sheaths



Standard Obturator	For sheaths
30.51.0024	24 CH
30.51.0027	27 CH



Deflecting Obturator	For sheaths
30.51.1024	24 CH
30.51.1027	27 CH



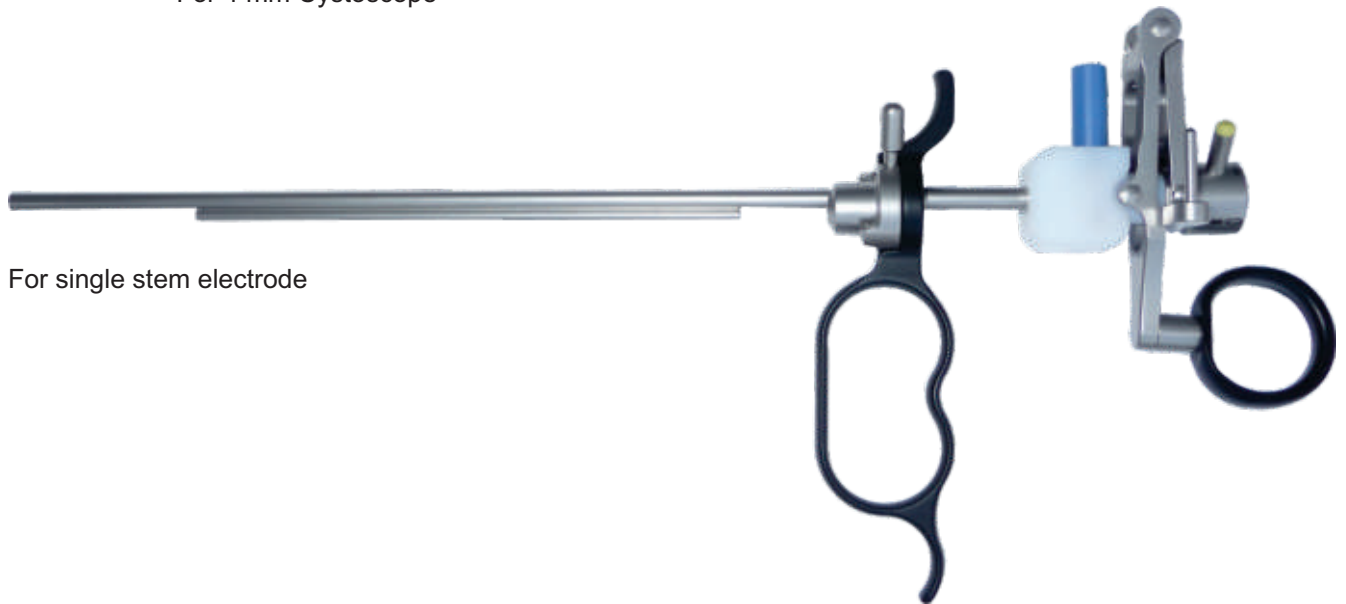
Visual Obturator	For sheaths
30.51.2024	24 CH
30.51.2027	27 CH



Visual Obturator with Working channel 5 CH	For sheaths
30.51.3024	24 CH
30.51.3027	27 CH

Resectoscope Working Elements - Monopolar

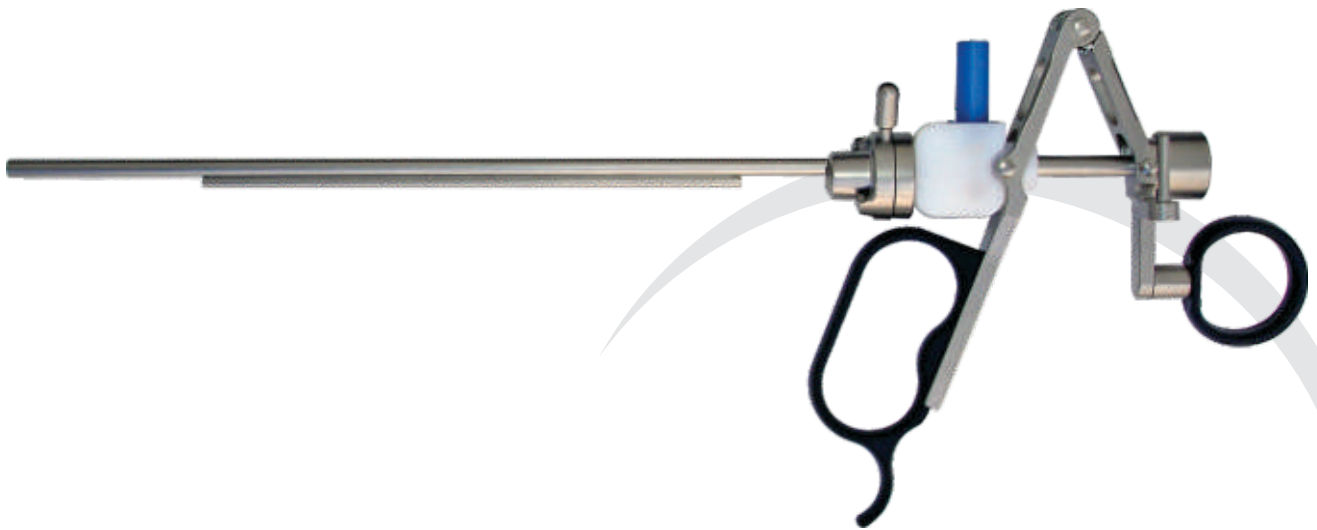
For 4 mm Cystoscope



For single stem electrode

25.60.0020

Working element 24/26 CH, passive cutting by spring action, closed handle



25.60.0030

Working element 24/26 CH, active cutting by finger action, closed handle



25.60.0000

Protection rod for working element

25.50.0004

Monopolar Cable for working element, 4 mm (Aesculap, Berchtold, Martin)

Electrodes for Resectoscope - Monopolar



25.60.1024	Roller electrode serrated	Ø 3 mm	24 CH
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25.60.2024	Roller electrode serrated	Ø 5 mm	24 CH
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25.60.3024	Knife electrode		24 CH
25.60.3027	Knife electrode		27 CH



25.60.4024	Loop electrode, straight		24 CH
25.60.4027	Loop electrode, straight		27 CH



25.60.5024	Loop electrode, angled for 30° scope		24 CH
25.60.5027	Loop electrode, angled for 30° scope		27 CH



25.60.6024	Loop electrode, angled, for 0° scope		24 CH
25.60.6027	Loop electrode, angled, for 0° scope		27 CH



Electrodes for Resectoscope - Monopolar



25.60.7024	Vaporization electrode	Ø 3 mm	24 CH
25.60.7124	Vaporization electrode	Ø 5 mm	24 CH
25.60.7027	Vaporization electrode	Ø 3 mm	27 CH



25.60.8024	Conical electrode	Ø 3 mm	24 CH
-------------------	-------------------	--------	-------



25.60.9024	Ball electrode	Ø 3 mm	24 CH
25.60.9027	Ball electrode	Ø 3 mm	27 CH



25.60.9124	Ball electrode	Ø 5 mm	24 CH
25.60.9127	Ball electrode	Ø 5 mm	27 CH



25.60.1124	Roller electrode plain	Ø 3 mm	24 CH
25.60.1224	Roller electrode plain	Ø 5 mm	24 CH



25.60.0090	Sterilization Tube		
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Bipolar Saline Resection

Bipolar Resection of Prostate offers advantage that the current does not pass through larger area of patient's body. The current is returned through electrode itself. A patient plate is not required to be connected to patient's body.

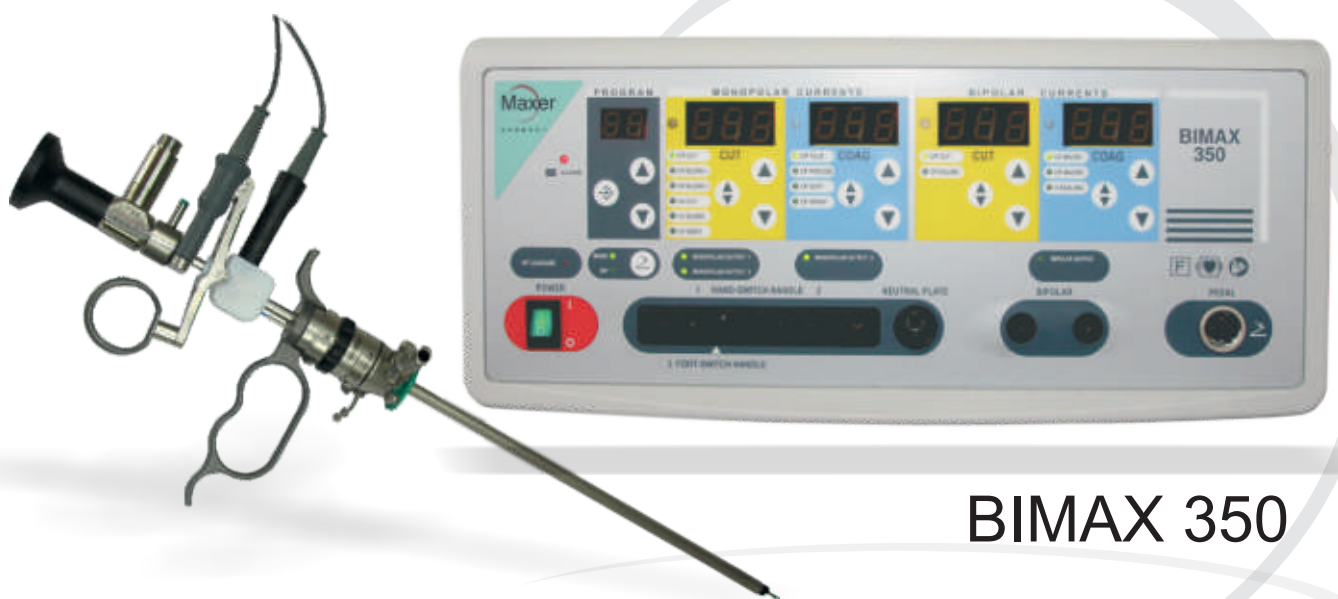
Bipolar Resection must be done under SALINE solution only.

The risk of fluid overload is reduced by use of saline as it is more easily absorbed in body than Glycine. This reduces occurrence of TURP Syndrom.

High Power Bipolar Cutting Current Generators must be used for Saline Resection. The Generator used must be validated by Maxer to get the right results.

Principle of operation

- Electric current causes saline solution to heat & evaporate.
- The vapor created gets ionised due to current & converts to plasma
- The heat of ignited plasma cuts the tissue
- This results in lower thermal damage & better outcome for patient



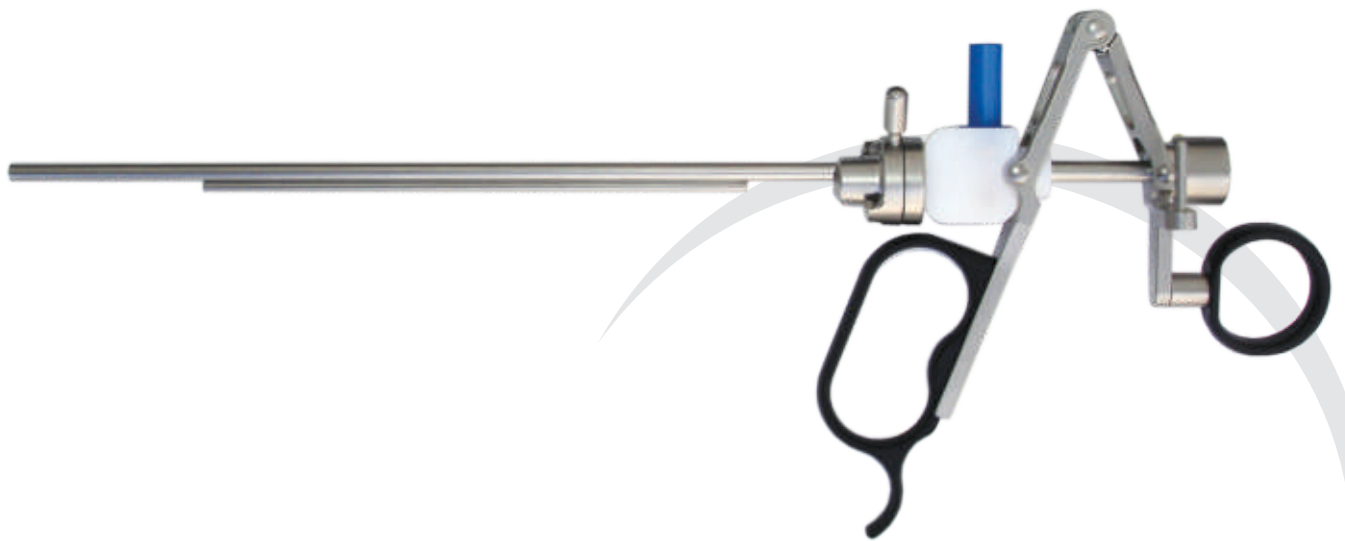
Resectoscope Working Elements - Bipolar

For 4 mm Cystoscope



25.60.0020B

Working element 24/26 CH, passive cutting by spring action, closed handle



25.60.0030B

Working element 24/26 CH, active cutting by finger action, closed handle



25.60.0000

Protection rod for working element

20.68.2203

Bipolar Cable for working element with 2 banana plugs

Electrodes for Resectoscope - Bipolar



25.60.1024B	Roller electrode serrated	Ø 3 mm	24 CH
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25.60.2024B	Roller electrode serrated	Ø 5 mm	24 CH
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25.60.3024B	Knife electrode		24 CH
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25.60.4024B	Loop electrode, straight		24 CH
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25.60.5024B	Loop electrode, angled for 30° scopes		24 CH
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25.60.6024B	Loop electrode, angled, for 0° scopes		24 CH
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25.60.7024B	Vaporization electrode	Ø 3 mm	24 CH
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25.60.7124B	Vaporization electrode	Ø 5 mm	24 CH
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Electrodes for Resectoscope - Bipolar



25.60.8024B	Conical electrode	Ø 3 mm	24 CH
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25.60.9024B	Ball electrode	Ø 3 mm	24 CH
25.60.9124B	Ball electrode	Ø 5 mm	24 CH



25.60.1124B	Roller electrode plain	Ø 3 mm	24 CH
25.60.1224B	Roller electrode plain	Ø 5 mm	24 CH



25.60.0090	Sterilization Tube		
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Laser Resectoscope Working Element

For 4 mm Cystoscope



25.60.0800	Working element, passive cutting by spring action closed handle, for flexible lasers upto 800
25.60.1200	Working element, passive cutting by spring action closed handle, for flexible lasers upto 1200
25.60.1280	Luer lock adaptor for laser working element
26.60.1281	Tuohy Borst Adaptor luer lock plastic

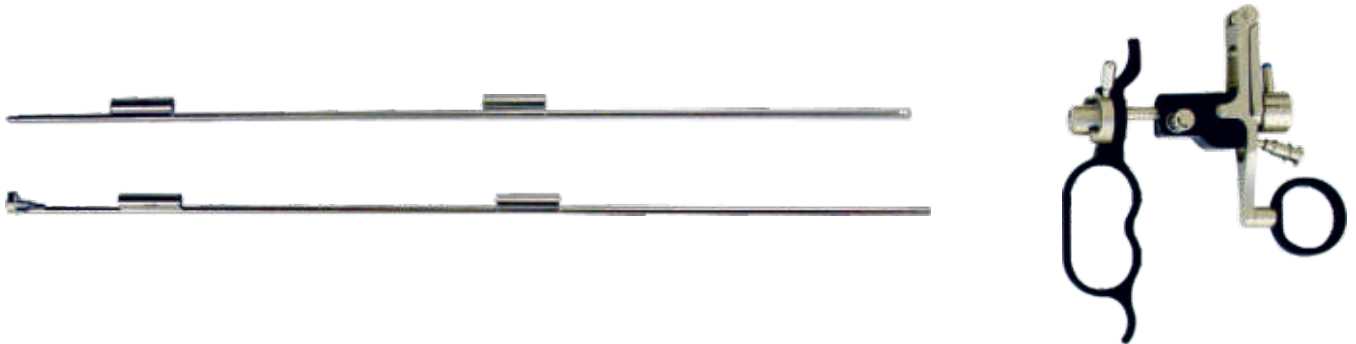
Assembly:

Thin Laser Resectoscope with Cystoscope 4 mm & Resectoscope sheath for continuous flow



Laser Resectoscope Working Element

Working Element Detachable



For 4 mm Cystoscope

25.60.1010	Laser working element for 4 mm optics, passive for interchangeable guide tubes with standard locking
25.60.1011	Guide tube for laser fiber 0.8 mm
25.60.1012	Guide tube for laser fiber 1.0 mm
25.60.1013	Guide tube for laser fiber 1.2 mm
25.60.1014	Guide tube for laser fiber 1.4 mm
25.60.1111	Guide tube for laser fiber 0.8 mm with retractor
25.60.1112	Guide tube for laser fiber 1.0 mm with retractor
25.60.1113	Guide tube for laser fiber 1.2 mm with retractor
25.60.1114	Guide tube for laser fiber 1.4 mm with retractor



For 2.9 mm Cystoscope

25.61.0008	LASER working element, passive, upto 800 lasers
25.61.0012	LASER working element, passive, upto 1200 lasers

Thin Resectoscope, 22/19 Carr.

For 2.9 mm Telescope



25.61.0020	Working elements, passive cutting by spring action closed handle for 22/19 CH Thin Resectoscope
25.61.0030	Working elements, active cutting by spring action closed handle for 22/19 CH Thin Resectoscope
25.61.0032EL	Resectoscope sheath for continuous irrigation, rotatable, 22/19 CH, with standard obturator, complete
25.61.0022EL	Outer sheath only, 22 CH
25.61.0019EL	Inner sheath with ceramic insulation only, 19 CH
25.61.1019	Standard Obturator 19 CH
25.61.2019	Visual Obturator
25.50.0004	Monopolar cable for working element 4 mm plug

25.61.1011	Vaporisation roller electrode Ø 3mm
25.61.2011	Straight electrode
25.61.3011	Knife electrode
25.61.5011	Loop electrode, angled, for 30°
25.61.7011	Roller electrode
25.61.9011	Ballpoint electrode 3 mm



Mini Resectoscopy system

For 2.9 mm

Advantages of the Mini Resectoscopy

Maxer Mini Resectoscopy offers a multitude of options for non invasive diagnostic & therapeutical Gynecology. Mini Resectoscopy System allows both, hysteroscopy & resectoscopy with reduced diameter of the shaft.

Distal ceramic is placed at the outer tube

Resectoscopy treatment to be used easily in outpatient care "EASY LOCKING" connecting System for inner – outer sheath interface

Easy Lock connecting System for sheath working element interface

Electrode can be placed atop the telescope thus allowing a better view

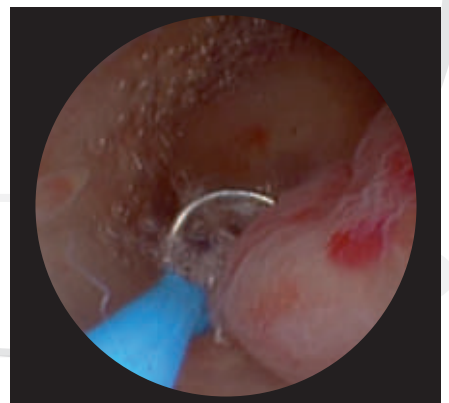
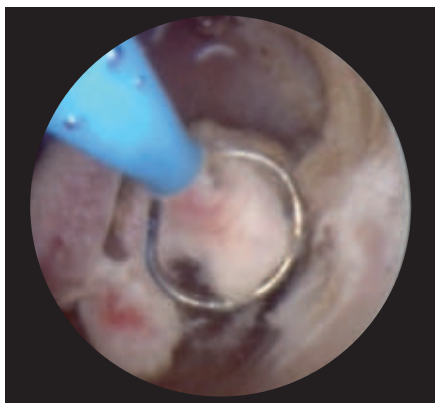
Processing of high sophisticated materials like Titanium in the manufacture of the resectoscope

Additional operating sheath available with 5 CH working channel

Variety of HF & preparation electrodes are available

Specially designed electrodes are essential to help lowering the risk for most gynecological complications

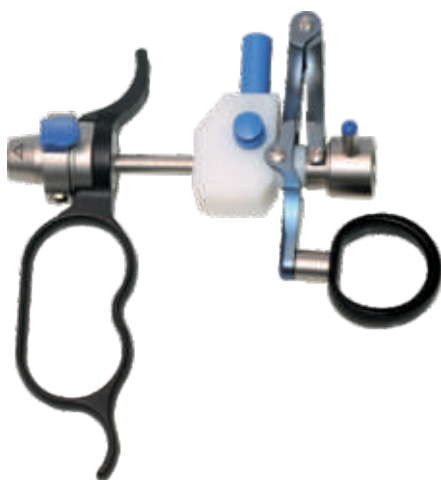
Optimized continuous flow rate for a much clearer endoscopic visibility



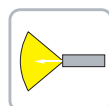
Resectoscope and accessories - Monopolar

For 2.9 mm

Resectoscope System 16 CH



For Cystoscope
15.10.3500



25.29.0029EL

Working element, passive, closed handle, with titanium hinge, for 16 CH sheath, Easy lock



25.29.0016EL

Continuous flow sheath 16 CH rotatable, inner & outer sheath for 0°, Easy lock

25.29.0017EL

Outer Sheath

25.29.0015EL

Inner Sheath

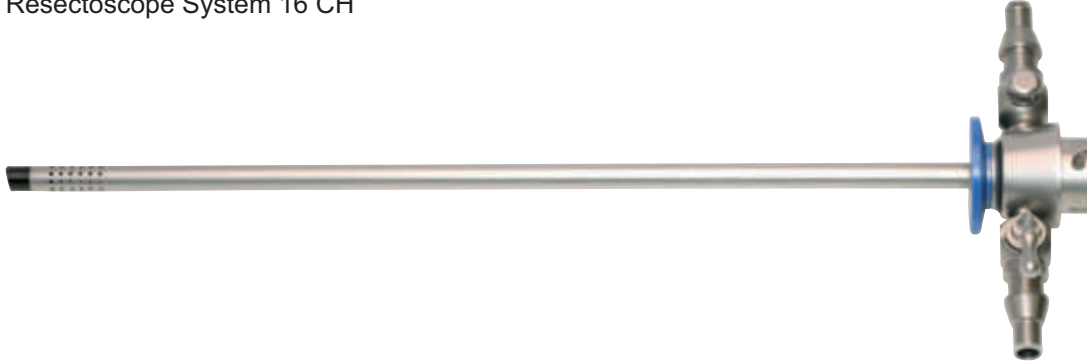
25.29.1600EL

Obturator for 16 CH continues flow resectoscopy sheath

Resectoscope and accessories

For 2.9 mm

Resectoscope System 16 CH



25.29.0017EL

Continuos flow outer sheath round, 16 CH, Easy lock,



25.29.0021EL

Operating inner sheath with instrument channel, for 16 CH Outer Sheath 0°

Electrodes for Resectoscope - Monopolar

For 2.9 mm 0°

Resectoscope System 16 CH



25.29.0010	HF loop electrode size 1, small, 90° angled
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25.29.0011	HF loop electrode size 2, large, 90° angled
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25.29.0012	HF ball electrode angled
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25.29.0013	HF knife electrode 90° angled
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25.29.0014	HF loop electrode straight
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25.29.1010	J Hook preparation electrode, small, non HF
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25.29.1011	J Hook preparation electrode, medium, non HF
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25.29.1012	Circular preparation electrode, non HF
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25.29.1013	Lancet preparation electrode 45°, non HF
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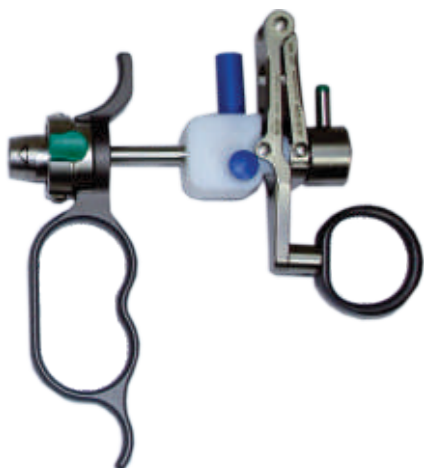
25.29.1014	Spatula preparation electrode, non HF
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Resectoscope Monopolar and accessories

For 2.9 mm

Resectoscope System 18 CH



25.29.1029EL	Working element MONOPOLAR passive, 18.5 CH closed, easy lock
25.29.1029BEL	Working element BIPOLAR passive, 18.5 CH closed, easy lock



25.29.1016EL	Resectoscopy continuous flow sheath 18 CH rotatable, 2 stop cock, 30°, easy lock		
25.29.1017EL	Outer sheath	25.29.1015EL	Inner sheath
25.29.1800EL	Obturator for resectoscopy sheath 18 CH		

Electrodes for Resectoscope

For 2.9 mm



TO use with Monopolar & Bipolar

25.29.2011	Loop electrode, angled 17.5 CH for 2.9 mm, 30° scope
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25.29.2012	Ball electrode 17.5 CH
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25.29.2013	Knife electrode 17.5 CH
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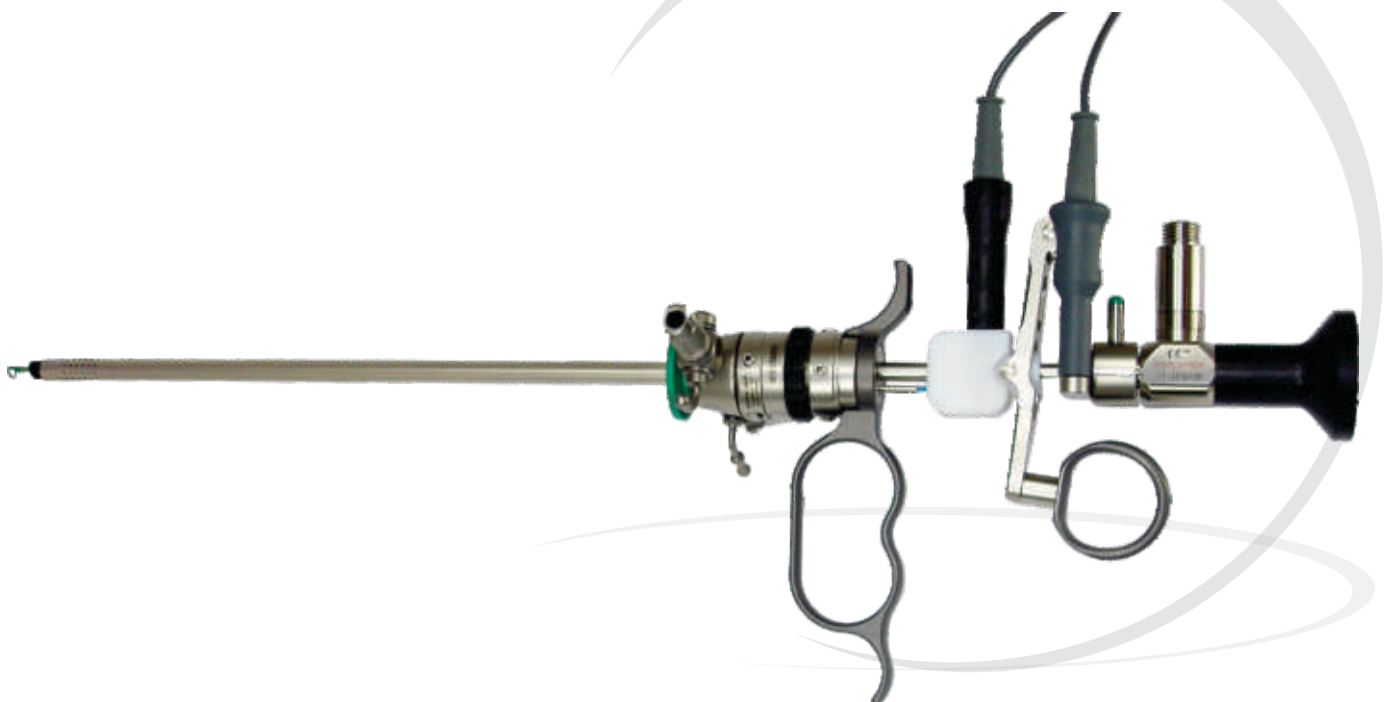


25.29.2014	Loop electrode, straight 17.5 CH for 2.9 mm, 0° scope
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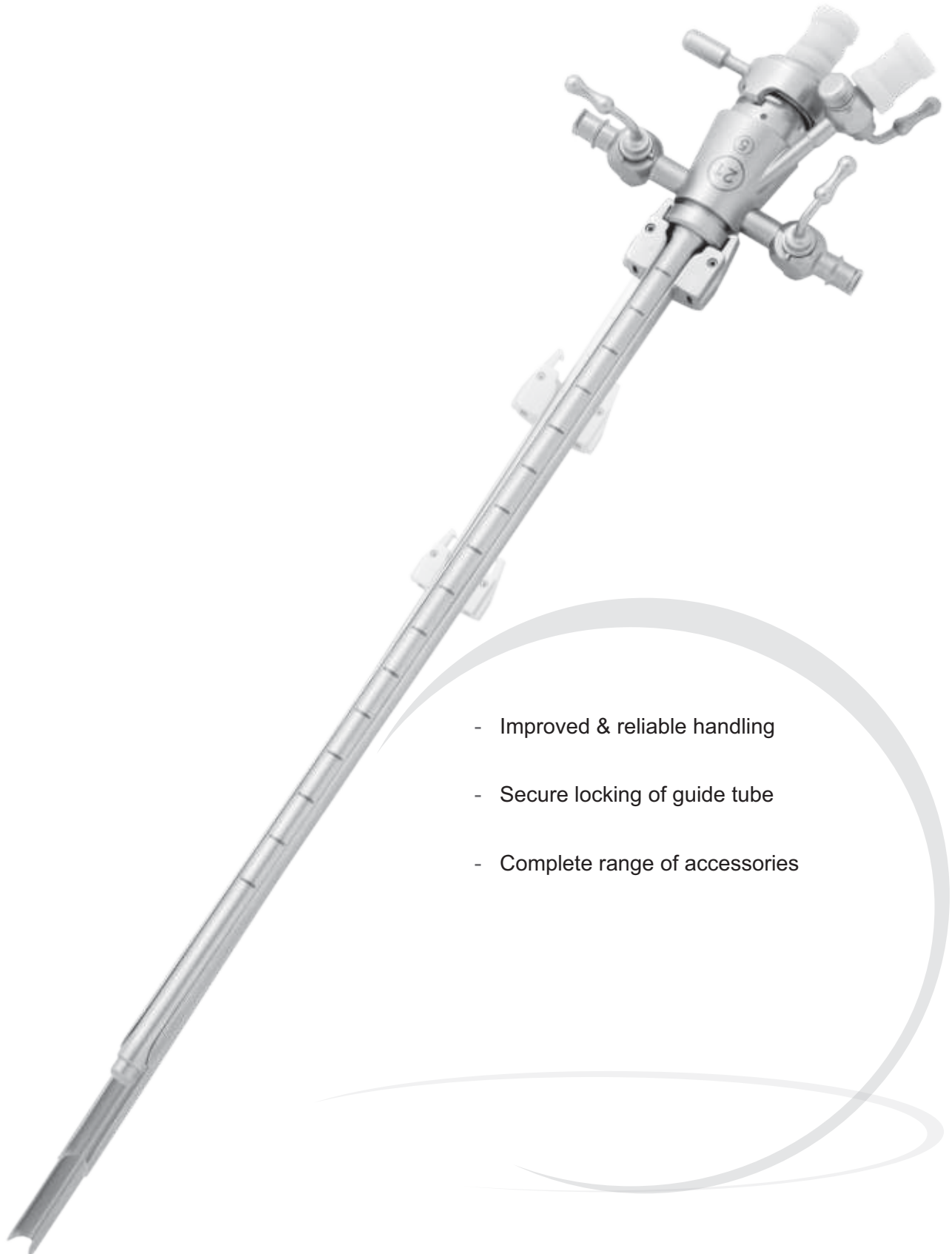


Assembly:

18 CH bipolar resectoscope complete with Mini Resectoscope 2.9 mm

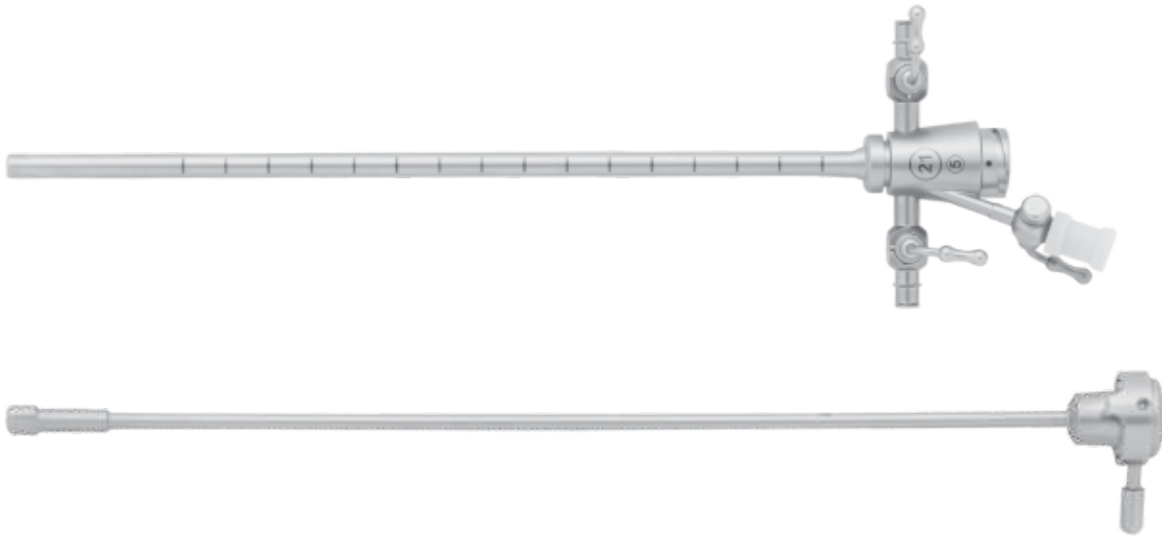


Urethrotome & Accessories



- Improved & reliable handling
- Secure locking of guide tube
- Complete range of accessories

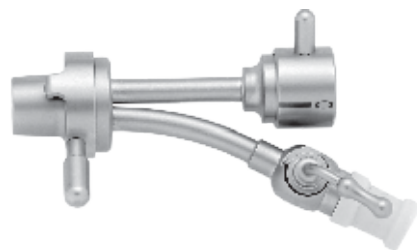
Urethrotome & Accessories



30.41.1021	Uretrotom sheath, 21 CH, with channel for filiform bougies or catheters
30.41.1022	Obturator with central channel, for insertion of guiding catheter



30.41.1023	Guide tube for insertion of a balloon catheter (Outer sheath half round)
30.41.1121	Additional sheath for continuous irrigation, without illustration



30.41.1025	Telescope bridge for diagnostic
30.41.1010	Standard obturator for Urethrotom sheath CH 21
30.41.1011	Visual obturator for Urethrom Sheath

Urethrotome & Accessories



Cold Knives for use without electric energy

30.41.1026

Cold knife, straight



30.41.1027

Cold knife, half round single stem



30.41.1028

Cold knife, ring shaped single stem



30.41.1029

Cold knife, straight serrated single stem



30.41.1030

Cold knife, hook shaped, single stem



OTIS Urethrotome



30.60.1004

Dilation unit



30.60.1005

Knife



30.60.1001

30.60.1002

30.60.1003

Head parts



30.60.1000

OTIS Urethrotome Complete in wooden case consisting of

Dilation unit

Knives (2 Pisces)

Head part conical

Head part flat

Head part ball shape

Accessories - Urology

30.90.1000	ELLIK Evacuator with locking adaptor
30.90.1001	Cone adaptor for catheter
30.90.1002	Rubber ball
30.90.1003	Glass barrel



Reiner Alexander (JANET-G-S) bladder Syringe with locking adaptor

30.90.0050	50 ml
30.90.0075	75 ml
30.90.0100	100 ml
30.90.0150	150 ml
30.90.0200	200 ml



Spare barrel for Bladder syringe, with locking adaptor

30.90.1050	50 ml
30.90.1075	75 ml
30.90.1100	100 ml
30.90.1150	150 ml
30.90.1200	200 ml



30.90.2000

Luer lock tube connector



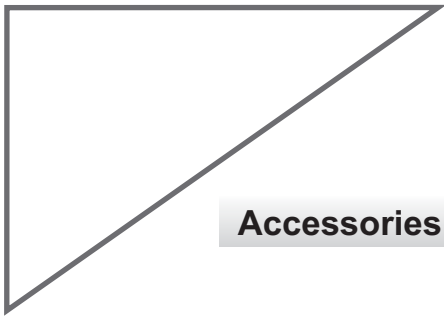
30.90.2001

Luer lock tube connector
stopcock



30.90.2002

Catheter adaptor



Accessories - Urology



30.91.0046

Guyon catheter introducer, straight, 46 cm



30.91.0039

Guyon catheter introducer, curved, 39 cm



30.91.1000

Stokmann penile clamp



30.91.2000

Strauss penile clamp



30.91.3000

Zipser penile clamp

Accessories - Urology

DITTEL bougies 22 cm, Straight

30.92.0008	8 CH
30.92.0009	9 CH
30.92.0010	10 CH
30.92.0011	11 CH
30.92.0012	12 CH
30.92.0013	13 CH
30.92.0014	14 CH
30.92.0015	15 CH
30.92.0016	16 CH
30.92.0017	17 CH
30.92.0018	18 CH
30.92.0019	19 CH
30.92.0020	20 CH
30.92.0021	21 CH
30.92.0022	22 CH
30.92.0023	23 CH
30.92.0024	24 CH
30.92.0025	25 CH
30.92.0026	26 CH
30.92.0027	27 CH
30.92.0028	28 CH
30.92.0029	29 CH
30.92.0030	30 CH
30.92.0032	32 CH
30.92.0033	33 CH
30.92.0034	34 CH
30.92.0036	36 CH



DITTEL bougies 35 cm, Curved

30.93.0008	8 CH
30.93.0009	9 CH
30.93.0010	10 CH
30.93.0011	11 CH
30.93.0012	12 CH
30.93.0013	13 CH
30.93.0014	14 CH
30.93.0015	15 CH
30.93.0016	16 CH
30.93.0017	17 CH
30.93.0018	18 CH
30.93.0019	19 CH
30.93.0020	20 CH
30.93.0021	21 CH
30.93.0022	22 CH
30.93.0023	23 CH
30.93.0024	24 CH
30.93.0025	25 CH
30.93.0026	26 CH
30.93.0027	27 CH
30.93.0028	28 CH
30.93.0029	29 CH
30.93.0030	30 CH
30.93.0032	32 CH
30.93.0033	33 CH
30.93.0034	34 CH
30.93.0036	36 CH



Accessories - Urology



OTIS Bougies	
39.94.0008	8 CH
30.94.0010	10 CH
30.94.0012	12 CH
30.94.0014	14 CH
30.94.0016	16 CH
30.94.0018	18 CH
30.94.0020	20 CH
30.94.0022	22 CH
30.94.0024	24 CH
30.94.0026	26 CH
30.94.0028	28 CH
30.94.0030	30 CH
30.94.0033	33 CH
30.94.0036	36 CH



Metal Catheter Male 27 cm	
39.95.0008	8 CH
30.95.0010	10 CH
30.95.0012	12 CH
30.95.0014	14 CH



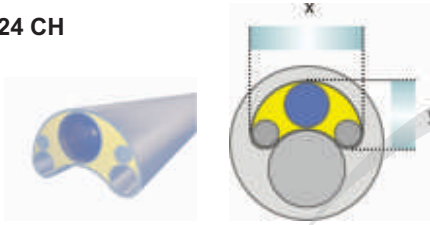
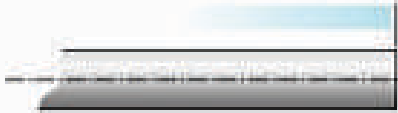
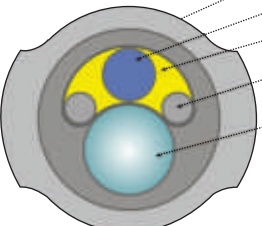
Metal Catheter Female 15 cm	
39.96.0006	6 CH
30.96.0008	8 CH
30.96.0010	10 CH
30.96.0012	12 CH
30.96.0014	14 CH
30.96.0016	16 CH
30.96.0018	18 CH

Nephroscope

This Nephroscope is designed for safety, quality & extended lifetime. The integrated 15 CH working channel offers you an easy insertion of rigid & semi rigid instruments.

Compatibility

x Light post adaptor	270° angled ACMI®-, Wolf®-, Storz® / Olympus® according DIN 58105 threaded
x Eyepiece	45° & 90° angled Ocular according DIN 58105 threaded
x Instrument post	distal Storz®- compatible, proximal M18x1 thread
x Fluid post	2x Luer-Lock according DIN EN 1707 for single use stop cocks
Light guiding system	High quality light fibers
Optical glass	Distal & proximal Sapphire
Sterilization	Autoclavable, max. 134° C / 2.2 bar / 5 min

Outer tube dimension- 24 CH		X = 7,4 Y = 4,5
Direction of view		0° / 15° Colour code green 
Working Length		200 / 250 mm
Field of view		85° +/- 5° in degree
Tube dimensions	 instrument post optic light fibers fluid channel working channel	Working channel 1x Ø 5.0 mm (15 CH) for Instrument Fluid channel 2x Ø 1.5 mm (4.5 CH) for irrigation

Nephroscope

Parallel eyepiece (cable connection at bottom)

24 CH, 0° / 15°, WL 200 / 250 mm, instrument channel Ø 5.0 mm



Direction of view		Working Length	
0°	15°		
15.30.2500	15.30.2515	200 mm	Parallel eyepiece
15.30.3500	15.30.3515	250 mm	Parallel eyepiece



Luer lock adaptors with stopcock have to be ordered separately for the Nephroscope

30.90.2001	Luer lock tube connector stopcock
30.35.0100	Single use stopcock with luer lock

Nephroscope

45° Angled eyepiece (cable connection at bottom)

24 CH, 0° / 15°, WL 200 / 250 mm, instrument channel Ø 5.0 mm



Direction of view		Working Length	
0°	15°		
15.30.4500	15.30.4515	200 mm	45° Angled eyepiece
15.30.5500	15.30.5515	250 mm	45° Angled eyepiece



Luer lock adaptors with stopcock have to be ordered separately for the Nephroscope

30.90.2001	Luer lock tube connector stopcock
30.35.0100	Single use stopcock with luer lock

Nephroscope

Parallel eyepiece (cable connection on top)

24 CH, 0° / 15°, WL 200 / 250 mm, instrument channel Ø 5.0 mm



Direction of view		Working Length	
0°	15°		
15.30.2600	15.30.2615	200 mm	Parallel eyepiece
15.30.3600	15.30.3615	250 mm	Parallel eyepiece



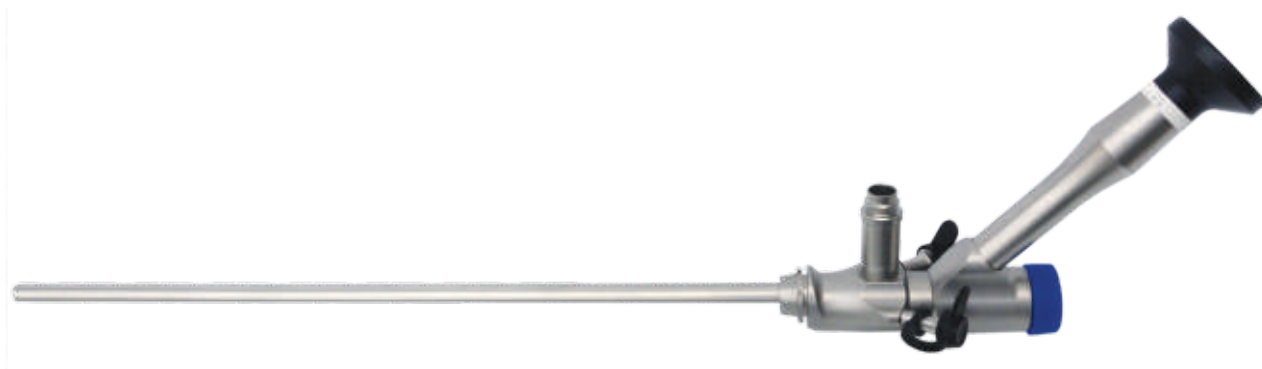
Luer lock adaptors with stopcock have to be ordered separately for the Nephroscope

30.90.2001	Luer lock tube connector stopcock
30.35.0100	Single use stopcock with luer lock

Nephroscope

45° Angled eyepiece (cable connection on top)

24 CH, 0° / 15°, WL 200 / 250 mm, instrument channel Ø 5.0 mm



Direction of view		Working Length	
0°	15°		
15.30.4600	15.30.4615	200 mm	45° Angled eyepiece
15.30.5600	15.30.5615	250 mm	45° Angled eyepiece



Luer lock adaptors with stopcock have to be ordered separately for the Nephroscope

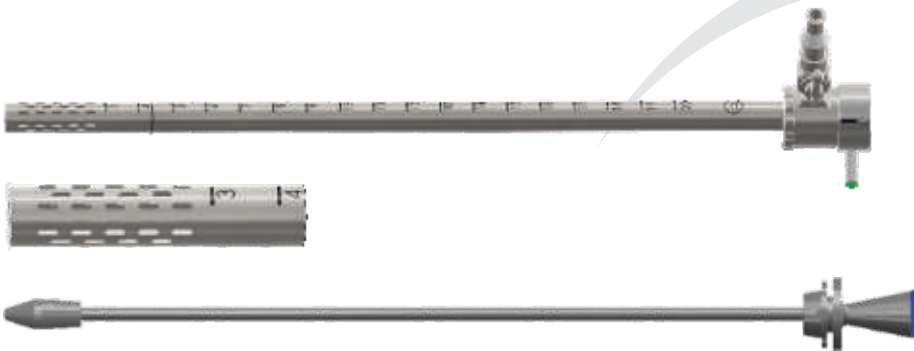
30.90.2001	Luer lock tube connector stopcock
30.35.0100	Single use stopcock with luer lock

Nephroscopy Instruments

Operating Sheath



30.70.0024	Nephroscope sheath for continuous irrigation, 24 CH, Rotatable stop cock with luer lock, WL 200 mm
30.70.2024	Obturator hollow for Nephroscope sheath 24 CH, WL 200 mm
30.70.0026	Nephroscope sheath for continuous irrigation, 26 CH, Rotatable stop cock with luer lock, WL 200 mm
30.70.2026	Obturator hollow for Nephroscope sheath 26 CH, WL 200 mm



30.70.3026	Nephroscope sheath 26 CH, continuous distal irrigation, Rotatable stopcock with luer lock, WL 200 mm, without obturator
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Obturator should be ordered separately 30.70.2026

Nephroscopy Instruments

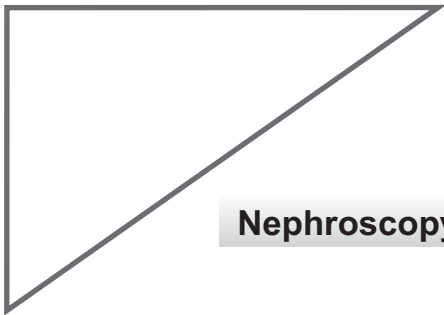
Operating Sheath



30.70.1124	Nephroscope sheath for continuous irrigation, 24 CH, Rotatable stop cock with luer lock, WL 250 mm
30.70.2124	Obturator hollow for Nephroscope sheath 24 CH, WL 250 mm
30.70.1126	Nephroscope sheath for continuous irrigation, 26 CH, Rotatable stop cock with luer lock, WL 250 mm
30.70.2126	Obturator hollow for Nephroscope sheath 26 CH, WL 250 mm



30.70.3126	Nephroscope sheath for continuous irrigation, 26 CH, Rotatable stop cock with luer lock, distal irrigation, WL 250 mm
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Nephroscopy Instruments



Dilator Set

30.70.0010	Telescope dialator set (9,12, 15, 18, 21, 24)
30.70.0011	Dilator 27 CH
30.70.0012	Dilator 30 CH
30.70.0030	Adapter for Ellik Evacuator on Nephroscope sheath

Nephroscopy Instruments

Stone Grasping Instruments Ø 3.5 mm



30.70.0360

Biopsy Grasping forceps, single action, spoon jaw, WL 350 mm



30.70.2360

Stone Grasping forceps, serrated jaw, double action for large stone, WL 350 mm



30.70.3360

Micro scissor, single action, WL 350 mm



30.70.1360

Grasping forceps, fenestrated jaw, double action, U handle for small stone working, WL 350 mm



30.70.4360

Stone Grasper, 3 pronged for large stone fragments with U handle, WL 380 mm



30.70.5360

Grasping forceps for small stones, double action, U handle, WL 380 mm

Ring handles also available on request

Modular Mini Nephroscope system

with Automatic Pressure Control



15.30.3090

Mini Nephroscope (12 CH) Ø 4 mm 9°, Working channel 2.2 mm for use with instrument 5 CH, angled, 40,000 pixel, WL 220 mm



30.70.1500

Operating Sheath, 15/18 CH, for continuous suction and irrigation



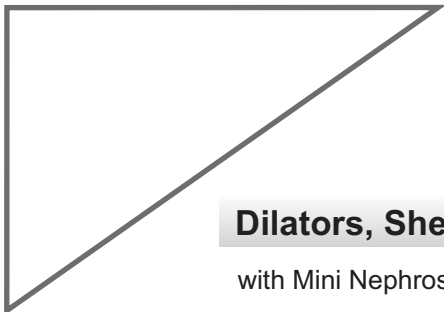
30.70.1501

Operating Sheath, Same, 16.5/19.5 CH, for continuous suction and irrigation



30.70.1502

Operating Sheath, Same, 21/24 CH, for continuous suction and irrigation



Dilators, Sheaths and Operating Instruments

with Mini Nephroscope



30.70.1503

Applicator for sealing, consisting of sheath and rod



30.70.1504

Dilation Cannula with central channel for guide wires for operating sheath 15/18 CH



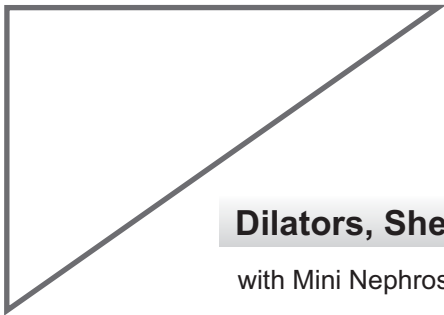
30.70.1505

Dilation Cannula with central channel for guide wires and distal curved channel for operating sheath 16.5/19.5 CH



30.70.1506

Dilation Cannula with central channel for guide wires and distal curved channel for operating sheath 21/24 CH



Dilators, Sheaths and Operating Instruments

with Mini Nephroscope



25.48.1005

Forceps for Foreign Body Removal, flexible, double action jaws, 5 CH, length 40 cm



25.46.1005

Biopsy Forceps, flexible, double action jaws, 5 CH, length 40 cm



25.49.1005

Scissors, single action jaws, 5 CH, length 40 cm

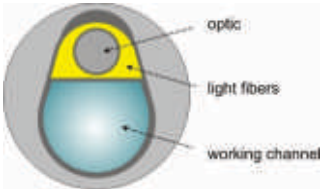
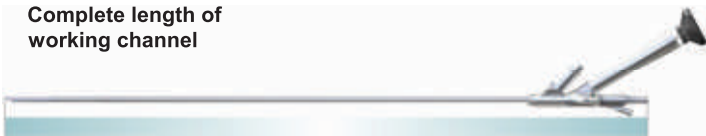


25.36.2119

3 Prong retriever for large stones & stone fragments, triple serrated jaw parts & U-spring handle, flexible with firmly welded spring, U handle 5 CH, length 36 cm

HD Uretero - Renoscope

7.5 CH & 6 CH

	7.5 CH	6 CH
Outer tube dimension 	7,5-9-12 CH	6-7.5-9 CH
Direction of view 	0° - 12° Colour code white	0°
Working length 	425 mm / 310 mm	425 mm / 310 mm
Field of view 	90° +/-5 in degree	80° + / - 5° in degree
Working channel 	6.8 CH for 1x5 CH Instrument or 2x3 CH instrument	5.1 CH for 1x4 CH Instrument or 2x2,4 CH Instrument
Complete length of working channel 	522 mm / 407 mm	522 / 407 mm
Depth of focus 	6 mm to 25 mm	6 mm to 25 mm
Optimum Working distance 	10 mm	10 mm
Weight	150 g	150 g

HD Uretero - Renoscope

7.5 CH & 6 CH

This **HD Uretero-Renoscope** is designed for safety, quality & extended lifetime. The integrated **6.8 CH** working channel offers you an easy insertion of rigid & semi rigid instruments through the fixed Luer-Lock adaptors & high-flow irrigation.

Compatibility

Light post adaptor	45° angled ACMI® -, Wolf®-, Storz® / Olympus® according DIN 58105 threaded
Eyepiece	Ocular according DIN 58105 threaded
Instrument post	Luer-Lock according DIN EN 1707
Fluid post	Luer-Lock according DIN EN 1707
Light guiding system	High quality light fibers
Optical glass	Distal & proximal Sapphire
Sterilization	Autoclavable, max. 134° C / 2.2 bar / 5 min



30.80.7511	HD URS 7.5 - 9 - 12 CH, 7.5 CH, WL 425 mm
30.80.7512	HD URS 7.5 - 9 - 12 CH, 7.5 CH, WL 310 mm
30.80.7505	HD URS 6-7.5-9 CH, 6 CH, WL 425 mm
30.80.7506	HD URS 6-7.5-9 CH 6 CH, WL 310 mm



Luer lock adaptors with stopcock have to be ordered separately for the URS

30.90.2001	Luer lock tube connector stopcock
30.35.0100	Single use stopcock with luer lock

Flexible Instruments for Ureterorenoscopy



Biopsy Forceps, Oval Spoon, Double Action

Flexible	Semi Rigid	Length	Ø mm	CH
25.66.1003	25.66.3003	60 cm	1.0	3 CH
25.66.1005	25.66.3005	60 cm	1.6	5 CH



Grasping Forceps, Alligator Jaw, Double Action

Flexible	Semi Rigid	Length	Ø mm	CH
25.68.1003	25.68.3003	60 cm	1.0	3 CH
25.68.1005	25.68.3005	60 cm	1.6	5 CH



Scissors, Single Action

Flexible	Semi Rigid	Length	Ø mm	CH
25.69.1003	25.69.3003	60 cm	1.0	3 CH
25.69.1005	25.69.3005	60 cm	1.6	5 CH



Please refer Flexible Instruments Catalogue for full range of flexible instruments in manufacturing program



NOTES

[illegible]



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