

Surgical Endoscopy



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Urology

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Cystoscopy

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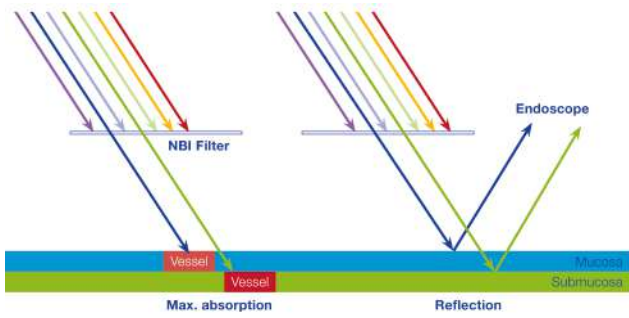
CYF-VH

HD Cysto-Nephro-Videoscope



Evolutiontip

- High-Definition TV (HDTV)**
 The revolutionary CYF-VH is the first endoscope of its kind to provide a high-definition image in an endoscope this small. The crystal-clear view in the urethra improves detection and diagnosis of suspicious areas. Already under white light, the CYF-VH allows a wider view and detailed vision, which is primarily important for all bladder cancer follow-up cystoscopies.
- New Evolutiontip**
 In addition, the tip design improves light emittance and increases the light output by 150% (compared to the CYF-V2).
- Variable stiffness shaft**
 To further improve patient comfort, the CYF-VH shaft varies in stiffness. Proximally, the shaft is stiffer to maintain control in the urethra. At mid-shaft, it is more flexible to minimise pressure and discomfort on sensitive anatomy. A distal passive bending section allows the scope to bend even further and minimises the potential of damage to the endoscope during normal use.
- NBI (Narrow Band Imaging)**
 HD NBI potentially allows for a higher and improved detection rate of carcinoma in situ. In order to improve the diagnosis, the brightness of NBI was increased by 20% compared to CYF-V2. NBI is an optical image-enhancement technology that improves the visibility of vessels and other tissue on the mucosal surface. NBI works by filtering the white light into specific light wavelengths, which are absorbed by hemoglobin and penetrate only the surface of human tissue. This provides improved visual contrast of the surface structures and fine capillary patterns of mucous membranes, which are normally difficult to distinguish.
- Improved deflection**
 The CYF-VH bends 10° more in each direction with its 220° upward and 130° downward deflection, providing the ability to see and treat all areas of the bladder with ease.
- Large field of view**
 The wide 120° field of view provides a panoramic inspection of the entire bladder from the bladder neck.



CYF-VH

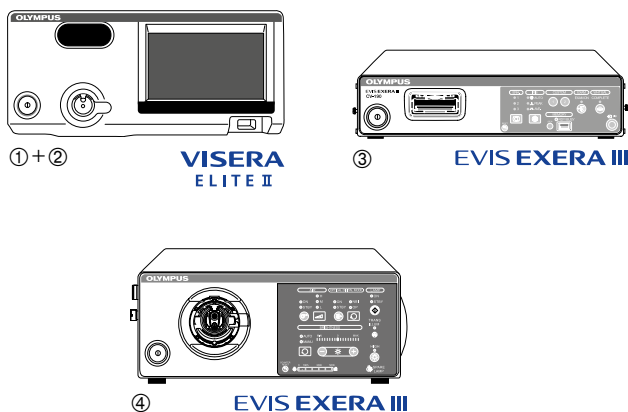
HD Cysto-Nephro-Videoscope (cont.)

HD Cysto-Nephro-Videoscope

N6006050	Videoscope "CYF-VH" <i>Delivery includes: Videoscope, attachment MAJ-891, valve MAJ-579, sterilization cap MAJ-1538, cleaning brushes BW-411B, MAJ-1339</i>
N6006150	Videoscope "CYF-VHA", with suction valve <i>Delivery includes: Videoscope, attachment MAJ-891, valve MAJ-579, suction valve MAJ-209, sterilization cap MAJ-1538, cleaning brushes BW-411B, MAJ-1339, suction cleaning adapter MAJ-1077</i>
N6006250	Videoscope "CYF-VHR", with reverse angulation <i>Delivery includes: Videoscope, attachment MAJ-891, valve MAJ-579, sterilization cap MAJ-1538, cleaning brushes BW-411B, MAJ-1339</i>

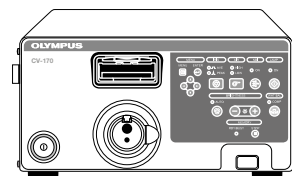
- For accessories for flexible cysto-nephroscopes, see page 19.
- For Endo-Therapy instruments, see page 21, 22, 23, 24 and 35.

Video System



① N5426950	"OTV-S300" Video System Center "VISERA ELITE II" All-in-One 2D/3D Processor and Light Source
② N5426850	"OTV-S200" Video System Center "VISERA ELITE II" All-in-One 2D Processor and Light Source
③ N3643260	EVIS EXERA III Video System Center "CV-190"
④ N3643350	EVIS EXERA III xenon light source "CLV-190"

Video System (cont.)



N4492750	Video system center "CV-170"
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- For details on video system centers, see page 491, 493, 501, 503 and 505.

Technical Data

Optical system

Field of view	120°
Direction of view	0°
Region of sharp image	3 – 50 mm
Insertion portion	
Distal end outer diameter	2.7 mm
Insertion tube outer diameter	16.5 Fr. (5.5 mm)
Working length	380 mm
Instrument channel	
Inner channel diameter	6.6 Fr. (Ø 2.2 mm)
Bending section	
Angulation range	220° up, 130° down
Total length	660 mm
Compatibilities	
NBI observation mode	yes
Records of endoscope's information	yes
Electronic shutter function	yes
Electronic zoom function	yes
HF treatment	yes
Laser treatment	no
Classification	
Medical Devices Directive 93/42/EEC	class IIa
Applied standard	IEC 60601-1-2: 2001 IEC 60601-1-2:2007
CISPR 11 of emission	group 1, class B
Degree of protection against electric shock	
	type BF applied part
Ambient conditions	
Operation	temperature 10 – 40 °C
Relative humidity	30 – 85 %
Atmospheric pressure	700 – 1060 hPa
Storage	temperature -47 – 70 °C
Relative humidity	10 – 75 %
Atmospheric pressure	700 – 1060 hPa
Transport	temperature -47 – 70 °C
Relative humidity	10 – 75 %
Atmospheric pressure	700 – 1060 hPa



CYF-V2

VISERA Cysto-Nephro-Videoscope



Exceptionally smooth insertion and brilliant videoscope imaging

- Evolutiontip design achieves smooth insertion.
- Clear color-consistent imaging with simultaneous multicolor CCD
- Enhanced operability with ergonomic grip and convenient remote control switches
- Compatible with "Narrow Band Imaging" technology (NBI)
- Can be used for examination/procedure in the kidney
- Compatible with Olympus VISERA ELITE II and EVIS EXERA III

VISERA
Evolutiontip

VISERA Cysto-Nephro-Videoscope

N6005750	“CYF-V2” VISERA Cysto-Nephro-Videoscope
N6005950	“CYF-VA2” with aspiration
N3629260	“CYF-V2R” VISERA Cysto-Nephro-Videoscope, with reverse angulation

Delivery includes:

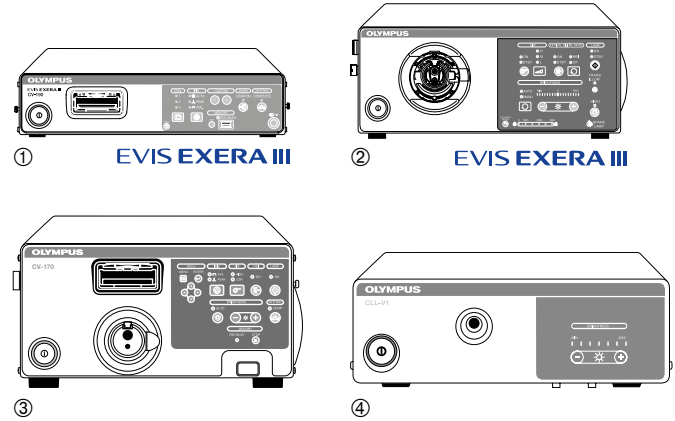
Videoscope, attachment MAJ-891, valve MAJ-579, ETO cap MB-156, cleaning brushes BW-411B, MAJ-1339, suction valve MAJ-209 (only CYF-VA2), suction cleaning adapter MAJ-1077 and carrying case

Technical Data

Optical system	
Field of view	120°
Direction of view	0°
Region of sharp image	3 – 50 mm
Insertion portion	
Distal end outer diameter	12.9 Fr. (4.8 mm)
Insertion tube outer diameter	16.2 Fr. (5.4 mm)
Working length	380 mm
Instrument channel	
Inner channel diameter	6.6 Fr. (Ø 2.2 mm)
Bending section	
Angulation range	210° up, 120° down
Total length	650 mm

For accessories, see page 19.

For Endo-Therapy instruments, see page 21, 22, 23, 24 and 35.

Video Systems


- | | | |
|---|-----------------|---|
| ① | N3643260 | EVIS EXERA III Video System Center “CV-190” |
| ② | N3643350 | EVIS EXERA III xenon light source “CLV-190” |
| ③ | N4492750 | Video system center “CV-170” |
| ④ | WA97020A | Light source “OLYMPUS CLL-V1” |

For details on EVIS EXERA III video system, see page 501 and 503.

For details on CV-170, see page 505.

For details on CLL-V1, see page 513.

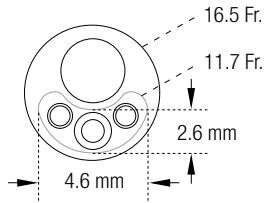
CYF-5

OES Cysto-Nephro-Fiberscope



Evolutiontip

- Evolutiontip with matching angulation direction
- Detachable light-guide cable and miniature LED light source
- Compatible with electrosurgical procedures
- One-handed control of the aspiration function (CYF-5A) makes it easy to keep the field of view clear.
- 210° up/120° down angulation:
Easier observation and treatment around the ostium ureteris and bladder neck
- 120° field of view:
Both ostium ureteris can be observed simultaneously.

Cysto-Nephro-Fiberscopes


N6005450	"CYF-5" Cysto-Nephro-Fiberscope
N6005550	"CYF-5A" Cysto-Nephro-Fiberscope, with suction valve

Delivery includes:

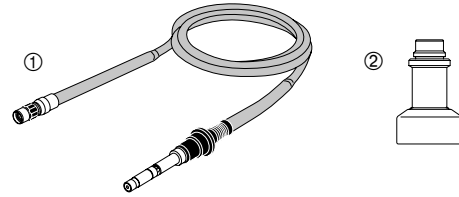
Fiberscope, attachment MAJ-891, valve MAJ-209 (CYF-5A only), cleaning adapter MAJ-1077 (CYF-5A only), valve MAJ-579, cleaning brushes MAJ-1339, BW-411B, light-guide adapter MAJ-1413, ETO cap MB-156

Technical Data

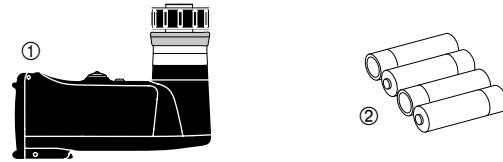
Optical system	
Field of view	120°
Direction of view	0°
Depth of field	3 – 50 mm
Insertion portion	
Distal end outer diameter	11.7 Fr. (4.6 mm)
Insertion tube outer diameter	16.5 Fr. (5.5 mm)
Working length	380 mm
Instrument channel	
Inner channel diameter	7.2 Fr. (2.4 mm)
Compatible Olympus	
ET accessories	ET accessories for Ø 2 mm (6 Fr.) channel Minimum visible distance 5 mm
Bending section	
Angulation range	210° up 120° down
Total length	700 mm

For accessories, see page 19.

For Endo-Therapy instruments, see page 21, 22, 23, 24 and 35.

Light-Guide Cable


①	WA03300A	Light-guide cable, 2.8 mm, 3 m, CF type
②	N1773930	Light-guide adapter "MAJ-1413", OES Pro light-guide cable to CYF-5/CYF-5A

Light Source EndoLED


①	WA91502A	Light source "EndoLED", for flexible endoscopes <i>for rechargeable batteries</i> <i>(requires 2 batteries of WA91505A),</i> <i>with battery status indicator (lasts up to 3 hrs.)</i>
②	WA91505A	Battery, AA type, rechargeable, 4 pcs.

Technical Data

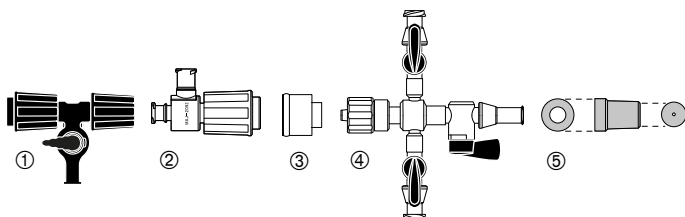
Dimensions	70 (W) x 90 (H) x 35 (D) mm
Weight (without batteries)	119 g

For details on EndoLED Light source, see page 455.

Accessories

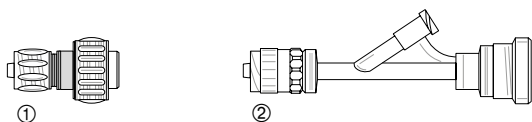
for Flexible Cysto-Nephroscopes

Attachments for Instrument Channel



- ① **N6149350** Attachment “MAJ-891”, isolated type
- ② **N5383650** Luer-Split “MAJ-2092”
- ③ **028985** Valve “MAJ-579”, for MAJ-578/-668/-891, 10 pcs.
- ④ **A02908A** Attachment, three stopcocks
- ⑤ **00131** Sealing cap, 0.7 mm, 10 pcs., for attachment A02908A
 - Reusable/non-sterile

Biopsy Port Seals



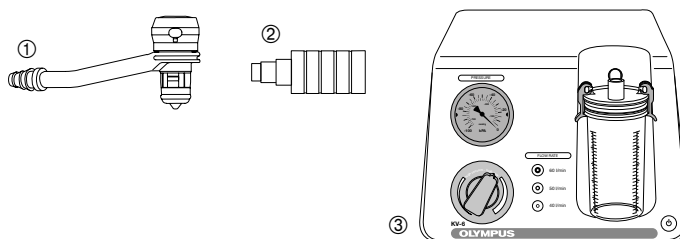
- ① **BPS-A** Biopsy port seal, adjustable, for accessories up to 6 Fr., sterile, single-use, 5 pcs.
- ② **BPS-Y** Biopsy port seal, Y-adaptor, adjustable, for accessories up to 9 Fr., sterile, single-use, 5 pcs.

Endo-Therapy Instruments

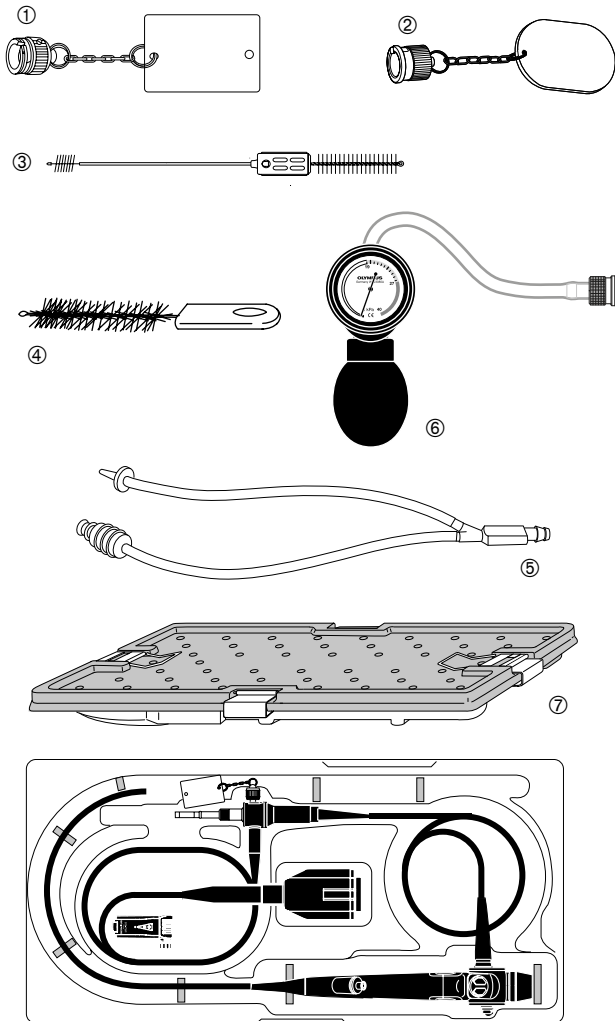


For Endo-Therapy instruments, see page 21, 22, 23, 24 and 35.

Aspiration Accessories



- ① **028987** Single-use suction valve “MAJ-209”, for cysto-nephroscopes CYF-VHA/-VA2/-5A
- ② **N3637650** “MAJ-1940” Cylinder plug for cysto-nephroscopes CYF-VHA/-VA2/-5A
- ③ **029290** Suction pump “KV-6”, Europe
- 7502135** Suction pump “KV-6”, UK

Reprocessing


- | | | |
|---|-----------------|---|
| ① | 027706 | ETO cap "MB-156",
for CYF-V2/-VA2/-5/-5A/-5R |
| ② | N2639830 | Sterilization cap "MAJ-1538",
for CYF-VH/-VHA/-VHR |
| ③ | N3640750 | Single-use combination cleaning brush "BW-411B",
for instrument channel |
| ④ | N3641120 | Cleaning brush "MAJ-1339",
for channel-opening |
| ⑤ | N1029300 | Suction cleaning adapter "MAJ-1077",
for CYF-VHA/-VA2/-5A |
| ⑥ | WA23080A | Leakage tester,
for flexible Olympus endoscopes <ul style="list-style-type: none"> ▪ Manual use ▪ With indicator |
| ⑦ | WA05991A | Instrument tray,
for flexible endoscopes of
CHF, CYF, ENF, HYF, LF, and URF series,
outer dimensions: 531 x 79 x 255 mm |

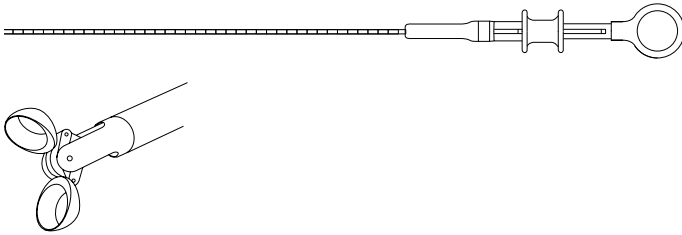
For plastic instrument trays, see page 651.

ET Instruments

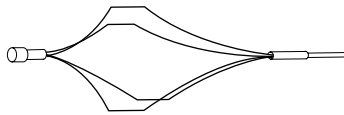
for Flexible Cystoscopes



- Reusable autoclavable forceps
- Single-use grasping baskets

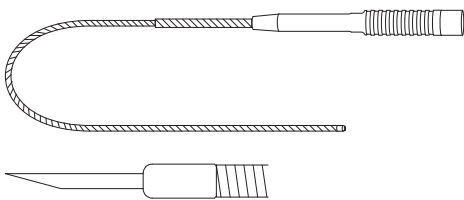
Flexible Biopsy Forceps


- A2581** Biopsy forceps "FB-19SX-1",
6 Fr. x 700 mm
- For routine biopsies
 - Fenestrated cups for larger biopsies
 - Minimum tissue damage

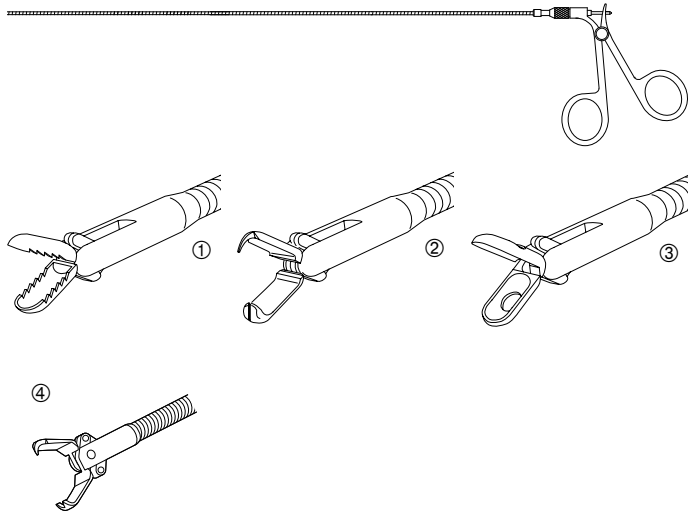
Grasping Baskets


- N1805230** Grasping basket "FG-24SX-1", 5.4 Fr. x 600 mm¹
- For retrieval of stones and round objects
 - Soft 4 wire basket
- Delivery includes: basket and FG handle MAJ-479*

¹ working length 600 mm, total length 700 mm

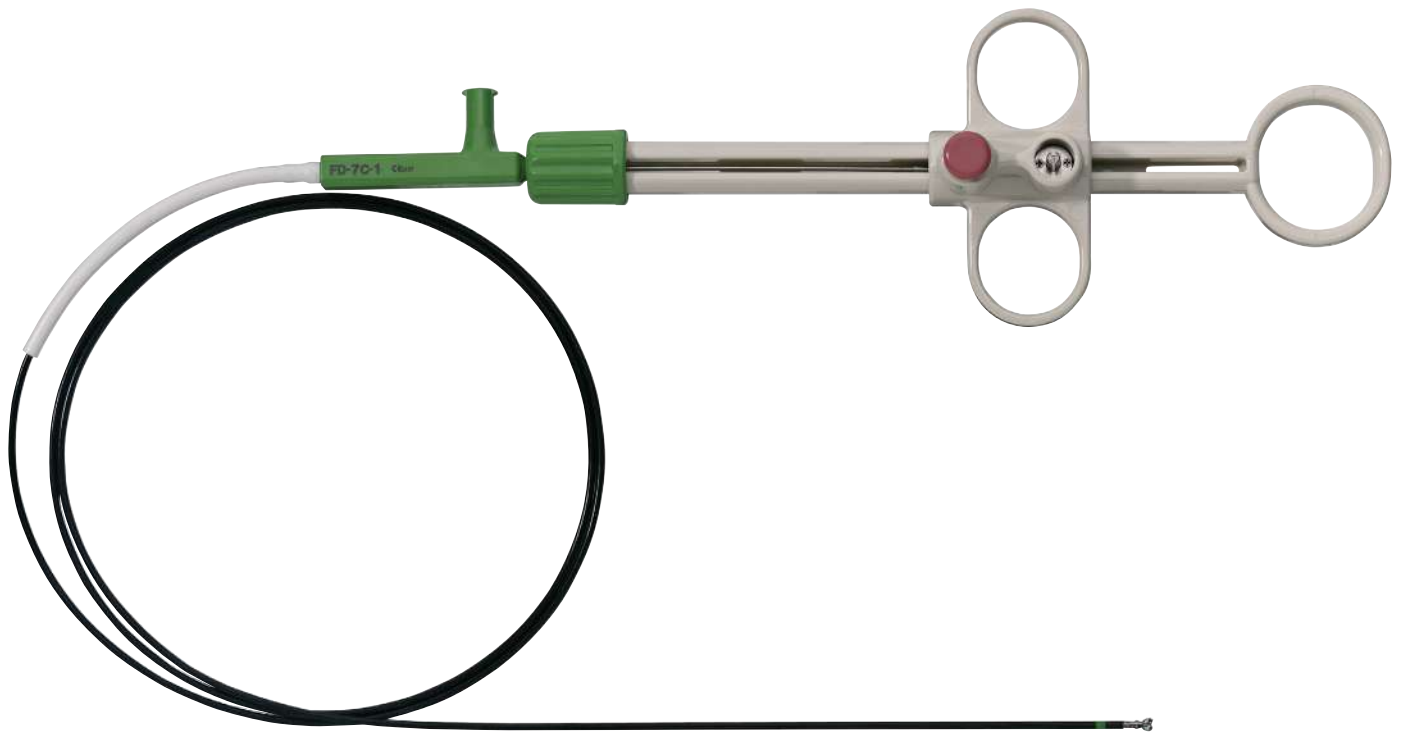
Cannula


- N6012230** Single Use Injector "NM-221C-0427"
27G, 971 mm, needle length 4 mm
- Delivery includes: 1 sterile sheath, 1 sterile needle*

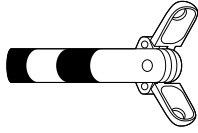
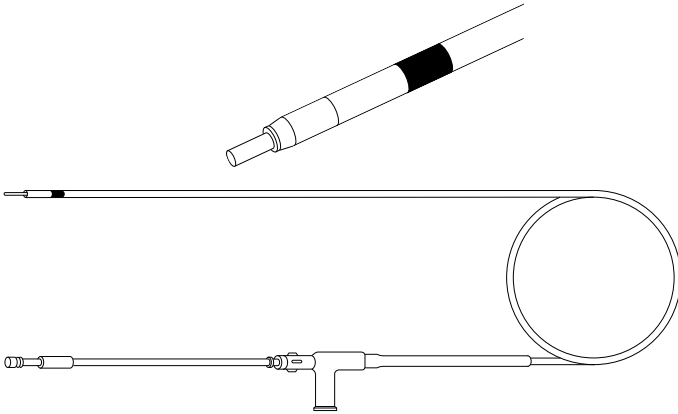
Flexible Forceps


- ① **A2421** Grasping forceps, toothed, 5 Fr. x 640 mm, flexible
- Double action jaws
 - Restoring spring
- ② **A2422** Grasping forceps, rat tooth, 5 Fr. x 640 mm, flexible
- Double action jaws
 - Restoring spring
- ③ **A2423** Biopsy forceps, 5 Fr. x 640 mm, flexible
- Double action jaws
 - Restoring spring
- ④ **N6008930** Single Use Grasping Forceps "FG-253SX",
5.4 Fr. x 665 mm, flexible
- Wide opening grasping jaw teeth
 - Rotable jaw design
 - For stent removal

Monopolar Instruments for Flexible Cystoscopes



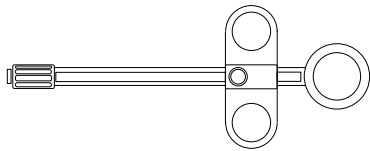
Endo**Therapy**

Hot Biopsy Forceps**N5780730** Biopsy Forceps "FD-231C", single use**Electrosurgical Knife**

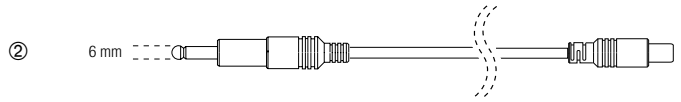
026097 HF electrode "KD-31C-1",
1.9 mm x 1050 mm,
knife, monopolar

- For tissue resection in narrow lumens
- Green safety marking at distal end of catheter

*Delivery includes:
2 electrodes Requires SD handle MH-264.*

SD Handle

027004 SD Handle "MH-264",
for monopolar instruments
FD-7C-1, SD-7C-1,
SD-18C-1, KD-31C-1

HF Cable for ET Instruments

② **027215** HF cable "MH-969", monopolar,
for Olympus UES-10/-20,
and old generation Valleylab HF units,
3 m length
For SD Handle "MH-264" and HF electrode CD-6C-1

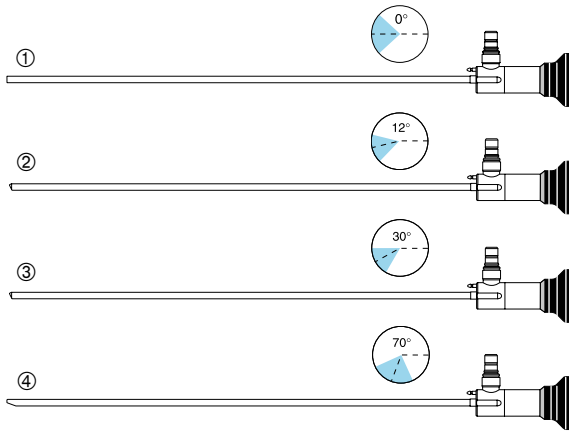
Telescopes

OES ELITE



OES ELITE

- Images appear rich in contrast due to the new extra low dispersion (ED) glass in the telescopes.
- HD marking on telescope for clear identification of HD compatibility.
- Improved optical quality in NBI
- Compatible with previous Olympus resectoscopes.
- Two year autoclavability guarantee

OES ELITE Telescopes


- ① **WA2T400A** Telescope "OES ELITE", 4 mm, 0°, HD, autoclavable
- ② **WA2T412A** Telescope "OES ELITE", 4 mm, 12°, HD, autoclavable
- ③ **WA2T430A** Telescope "OES ELITE", 4 mm, 30°, HD, autoclavable
- ④ **WA2T470A** Telescope "OES ELITE", 4 mm, 70°, HD, autoclavable

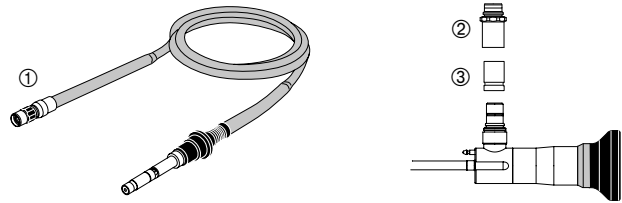
We recommend to use our resectoscopes and optical obturators with 12° telescopes.

Delivery includes:

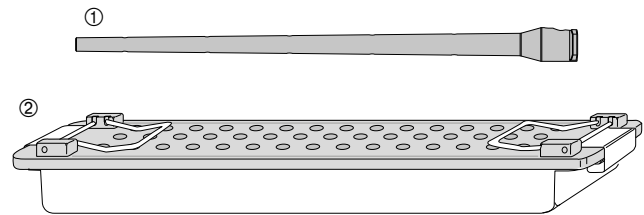
Protective tube WA2P400A.

Color code for telescopes

	green	blue	red	yellow
	0°	12°	30°	70°

Light-Guide Cable


- ① **WA03300A** Light-guide cable, 2.8 mm, 3 m, CF type
- ② **A0460** Light-guide adapter, for OES 4000 light-guide cables
- ③ **00332** Light-guide adapter, for Wolf light-guide cables

Accessories


- ① **WA2P400A** Protective tube, 4 mm telescopes
- ② **WA05990A** Instrument tray, for telescopes

For plastic instrument trays, see page 651.

Diagnostic Cystoscope

OES Pro



The OES Pro diagnostic system gives you a full product range with these advantages:

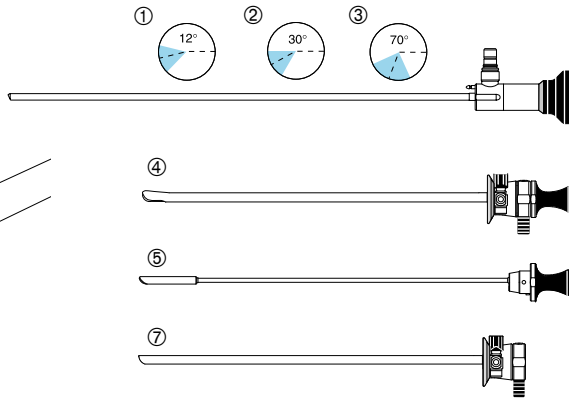
- Ergonomic design
- Matt surface for less friction
- Special female sheaths
- Easy to handle stopcocks for better flow control
- Stainless steel maintenance-free stopcocks



OES PRO

Cysto-Urethroscope

autoclave



- | | | |
|---|-----------------|---|
| ① | WA2T412A | Telescope "OES ELITE",
4 mm, HD, autoclavable, 12°
<i>Delivery includes: protective tube WA2P400A.</i> |
| ② | WA2T430A | Telescope "OES ELITE",
4 mm, HD, autoclavable, 30°
<i>Delivery includes: protective tube WA2P400A.</i> |
| ③ | WA2T470A | Telescope "OES ELITE",
4 mm, HD, autoclavable, 70°
<i>Delivery includes: protective tube WA2P400A.</i> |
| ④ | A20911A | Cystoscopy sheath,
17 Fr.
<ul style="list-style-type: none"> ▪ With beak ▪ With obturator A20903A |
| ⑤ | A20903A | Obturator,
17 Fr.,
for A20911A |
| ⑥ | A20978A | Bridge,
for 4 mm telescope, cystoscope |
| ⑦ | A20930A | Cystoscopy sheath,
15.5 Fr., straight
<ul style="list-style-type: none"> ▪ Short window for application in female urethras ▪ With obturator A20908A |
| | A20931A | Cystoscopy sheath,
17 Fr., straight
<ul style="list-style-type: none"> ▪ Short window for application in female urethras ▪ With obturator A20909A |

Diagnostic Cystoscope

Recommended Set

**Recommended Set****Alternatives****Options****Telescopes**

WA2T412A	1x Telescope "OES ELITE", 4 mm, HD, autoclavable, 12°
WA2T470A	1x Telescope "OES ELITE", 4 mm, HD, autoclavable, 70°

WA2T430A	1x Telescope "OES ELITE", 4 mm, HD, autoclavable, 30°
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WA2T400A	1x 4 mm, HD, autoclavable, 0°
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Light-Guide Cable

WA03300A	1x Light-guide cable, 2.8 mm, 3 m, CF type
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Cystoscope Sheaths

A20911A	1x Cystoscope sheath, 17 Fr.
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A20931A	1x Cystoscope sheath, straight, 17 Fr.
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A20930A	1x Cystoscope sheath, straight, 15 Fr.
----------------	--

Inspection Bridge

A20978A	1x Bridge
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A20976A	1x Bridge, one-way
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A20977A	1x Bridge, two-way
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Accessories

A0556	1x Syringe, 150 ml
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00103	1x Adapter
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00131	1x Sealing cap
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Therapeutic Cysto-Urethroscope

OES Pro



The OES Pro therapeutic cysto-urethroscope will improve your daily work with:

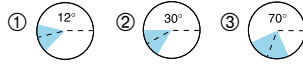
- Improved self-locking Albarran
- Matt surface for less friction
- Stainless steel maintenance-free stopcocks
- Easier insertion due to new beak design
- Small diameter sheath A20916A with integrated ramp for therapy



OES PRO



Telescopes

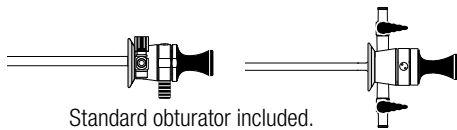


- | | | |
|---|-----------------|--|
| ① | WA2T412A | Telescope "OES ELITE", 4 mm, 12°, HD, autoclavable |
| ② | WA2T430A | Telescope "OES ELITE", 4 mm, 30°, HD, autoclavable |
| ③ | WA2T470A | Telescope "OES ELITE", 4 mm, 70°, HD, autoclavable |

Delivery includes:

protective tube WA2P400A.

Sheaths

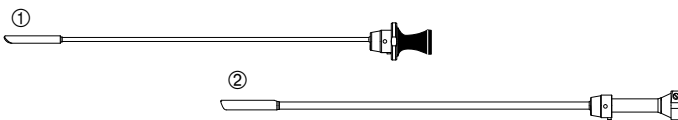


Standard obturator included.



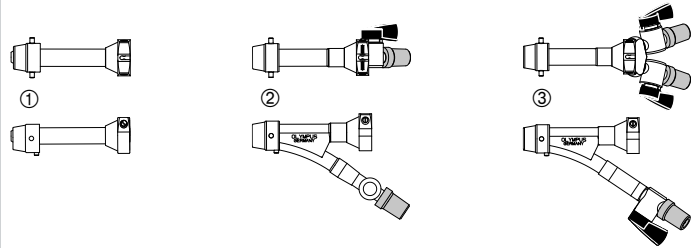
- | | | |
|---|----------------|---|
| ① | A20912A | Cystoscopy sheath, 19.8 Fr. |
| | A20913A | Cystoscopy sheath, 21 Fr. |
| | A20914A | Cystoscopy sheath, 22.5 Fr. |
| | A20934A | Cystoscopy sheath, 22.5 Fr. (slip-off protection) |
| | A20915A | Cystoscopy sheath, 25 Fr.
<i>All cystoscopes with beak</i> |
| ② | A20933A | Cystoscopy sheath, 21 Fr., straight, short window <ul style="list-style-type: none"> Application in female urethras For bridges A20976A–78A |
| ③ | A20916A | Cystoscopy sheath, 19.8 Fr., with ramp, straight, 7 Fr. channel <ul style="list-style-type: none"> For bridge A20976A |

Obturators



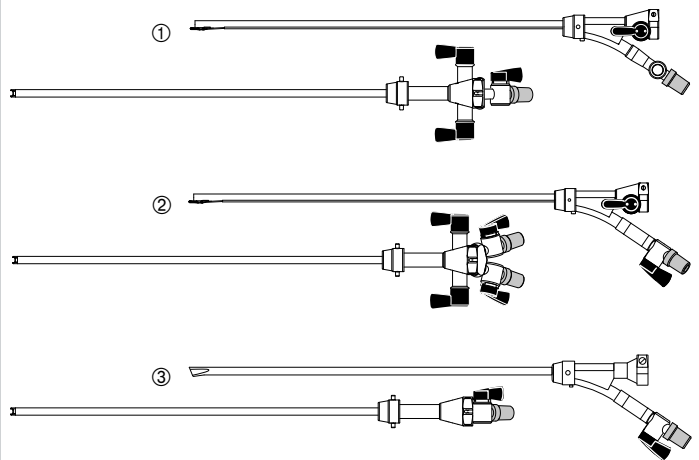
- | | | |
|---|----------------|---------------------------------------|
| ① | A20904A | Obturator, 19.8 Fr., for A20912A |
| | A20910A | Obturator, 19.8 Fr., for A20916A |
| | A20905A | Obturator, 21 Fr., for A20913A |
| | A20902A | Obturator, 21 Fr., for A20933A |
| | A20906A | Obturator, 22.5 Fr., for A20914A/-34A |
| | A20907A | Obturator, 25 Fr., for A20915A |
| ② | A20922A | Obturator, optical, 19.8 Fr. |
| | A20923A | Obturator, optical, 21 Fr. |
| | A20924A | Obturator, optical, 22.5 Fr. |
| | A20925A | Obturator, optical, 25 Fr. |

Bridges



- | | | |
|---|----------------|--|
| ① | A20978A | Bridge, for 4 mm telescope, cystoscope |
| ② | A20976A | Bridge, one-way |
| ③ | A20977A | Bridge, two-way |

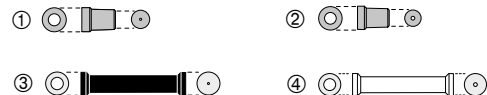
Working Inserts



- | | | |
|---|----------------|------------------------------------|
| ① | A20971A | Working insert, Albarran, one-way |
| ② | A20972A | Working insert, Albarran, two-way |
| ③ | A20975A | Working insert, with ramp, one-way |

For compatibility with cystoscopy sheaths, see page 37.

Reusable/ Non-Sterile Sealing Caps



- | | | |
|---|--------------|---|
| ① | 00131 | Sealing caps, 0.7 mm, 10 pcs. |
| ② | A0223 | Sealing caps, 1.6 mm, 10 pcs. |
| ③ | A0286 | Sealing caps, 0.4 mm, kink protected, black |
| ④ | A0287 | Sealing caps, 1.0 mm, kink protected, transparent |

For Endo-Therapy instruments, see page 21, 22, 23, 24 and 35.

Therapeutic Cysto-Urethroscope

Recommended Set

**Recommended Set****Alternatives****Options****Telescopes**

WA2T412A	1x Telescope "OES ELITE", 4 mm, HD, autoclavable, 12°
WA2T470A	1x Telescope "OES ELITE", 4 mm, HD, autoclavable, 70°

WA2T430A	1x Telescope "OES ELITE", 4 mm, HD, autoclavable, 30°
-----------------	---

WA2T400A	1x Telescope "OES ELITE", 4 mm, HD, autoclavable, 0°
-----------------	--

Light-Guide Cable

WA03300A	1x Light-guide cable, 2.8 mm, 3 m, CF type
-----------------	--

Cystoscope Sheaths

A20913A	1x Cystoscope sheath, 21 Fr.
A20934A	1x Cystoscope sheath, 22.5 Fr. (slip-off protection)

A20914A	1x Cystoscope sheath, 22.5 Fr.
----------------	--------------------------------

A20912A	1x Cystoscope sheath, 19.8 Fr.
A20915A	1x Cystoscope sheath, 25 Fr.
A20933A	1x Cystoscope sheath, 21 Fr., slip-off, protection, straight, short window
A20916A	1x Cystoscope sheath, 19.8 Fr., with ramp, straight, 7 Fr. channel

Inspection Bridge

A20976A	1x Bridge, one-way
A20972A	1x Working insert, Albarran, two-way
A20923A	1x Obturator, optical, 21 Fr.

A20977A	1x Bridge, two-way
A20971A	1x Working insert, Albarran, one-way
A20924A	1x Obturator, optical, 22.5 Fr.

A20978A	1x Bridge
A20975A	1x Working insert, with ramp, one-way
A20922A	1x Obturator, optical, 19.8 Fr.
A20925A	1x Obturator, optical, 25 Fr.

**Accessories**

00131	1x	Sealing caps, 10 pcs.
00121	1x	Grasping forceps, 7 Fr. x 330 mm
00123	1x	Biopsy forceps, 7 Fr. x 330 mm
00108	1x	HF electrode, button, 5 Fr.
00110	1x	HF electrode, button, 7 Fr.

A0335.1	1x	HF cable, monopolar, ESG-400, ESG-410, Valleylab
----------------	----	--

A0556	1x	Syringe, 150 ml
00102.1	1x	Stopcock
00103	1x	Adapter
WA0401CA	1x	Cleaning adapter, for hand instruments without Luer-lock connector

Optical Forceps

A20712A	1x	Biopsy forceps, spoon type
A20714A	1x	Grasping forceps, double action

A0287	1x	Sealing cap
00122	1x	Grasping forceps, 9 Fr. x 330 mm
00124	1x	Biopsy forceps, 9 Fr. x 330 mm
00107	1x	HF electrode, button, 4 Fr.
A0275	1x	HF electrode, button, 9 Fr.

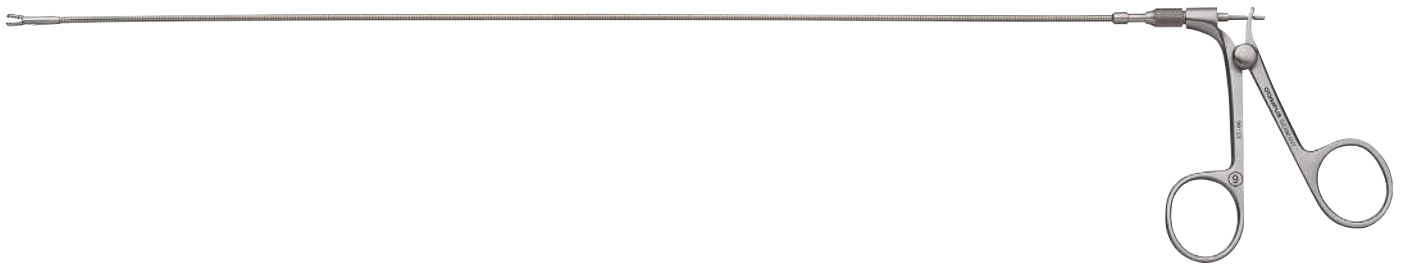
A20716A	1x	Biopsy forceps, monopolar
A20715A	1x	Biopsy forceps, severing
A20710A	1x	Grasping forceps, for lithotripsy
A20718A	1x	Grasping forceps, toothed

00125	1x	Grasping forceps, 9 Fr. x 330 mm
00129	1x	Scissors, 9 Fr. x 330 mm
00109	1x	HF electrode, button, 6 Fr.
00111	1x	HF electrode, button, 8 Fr.
00114	1x	HF electrode, needle, 5 Fr.

A20713A	1x	Biopsy forceps, spoon type
A20719A	1x	Biopsy forceps, spoon type
A20717A	1x	Scissors

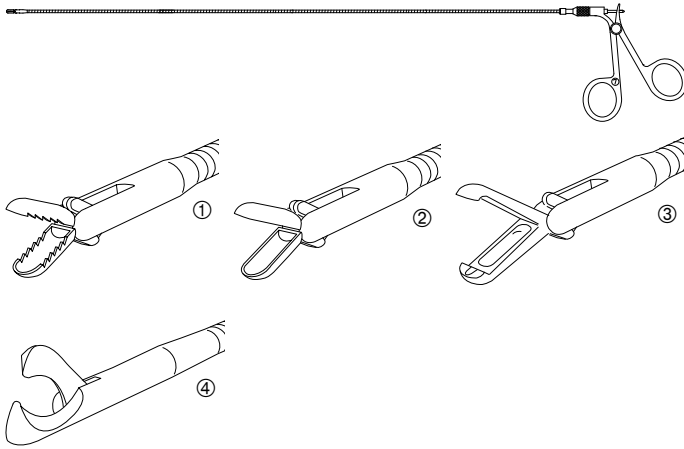
ET Instruments

for Cystoscopy

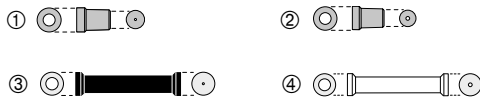


Endo**Therapy**

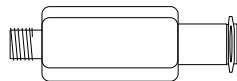
- A wide range of flexible forceps, scissors, and electrodes
- Application in the lower urinary tract
- Easy handling and function

Flexible Surgical Instruments


- | | | |
|---|--------------|---|
| ① | 00121 | Grasping forceps, 7 Fr. x 330 mm, flexible |
| | 00122 | Grasping forceps, 9 Fr. x 330 mm, flexible |
| ② | 00123 | Biopsy forceps, 7 Fr., flexible |
| | 00124 | Biopsy forceps, 9 Fr., flexible
<ul style="list-style-type: none"> Both biopsy forceps: 330 mm working length |
| ③ | 00125 | Grasping forceps, 9 Fr. x 330 mm, flexible
<ul style="list-style-type: none"> Distension of the ureter Grasping of concrements |
| ④ | 00129 | Scissors, 9 Fr. x 330 mm, flexible |

Reusable/ Non-Sterile Sealing Caps


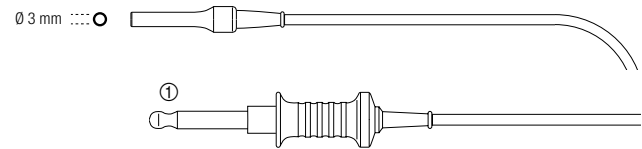
- | | | |
|---|--------------|---|
| ① | 00131 | Sealing caps, 0.7 mm, 10 pcs. |
| ② | A0223 | Sealing caps, 1.6 mm, 10 pcs. |
| ③ | A0286 | Sealing caps, 0.4 mm, kink protected, black |
| ④ | A0287 | Sealing caps, 1.0 mm, kink protected, transparent |

Cleaning Adapter


- | | |
|-----------------|--|
| WA0401CA | Cleaning adapter, for hand instruments without Luer-lock connector
<ul style="list-style-type: none"> Compatible to flexible surgical hand instruments |
|-----------------|--|

Flexible HF Electrodes

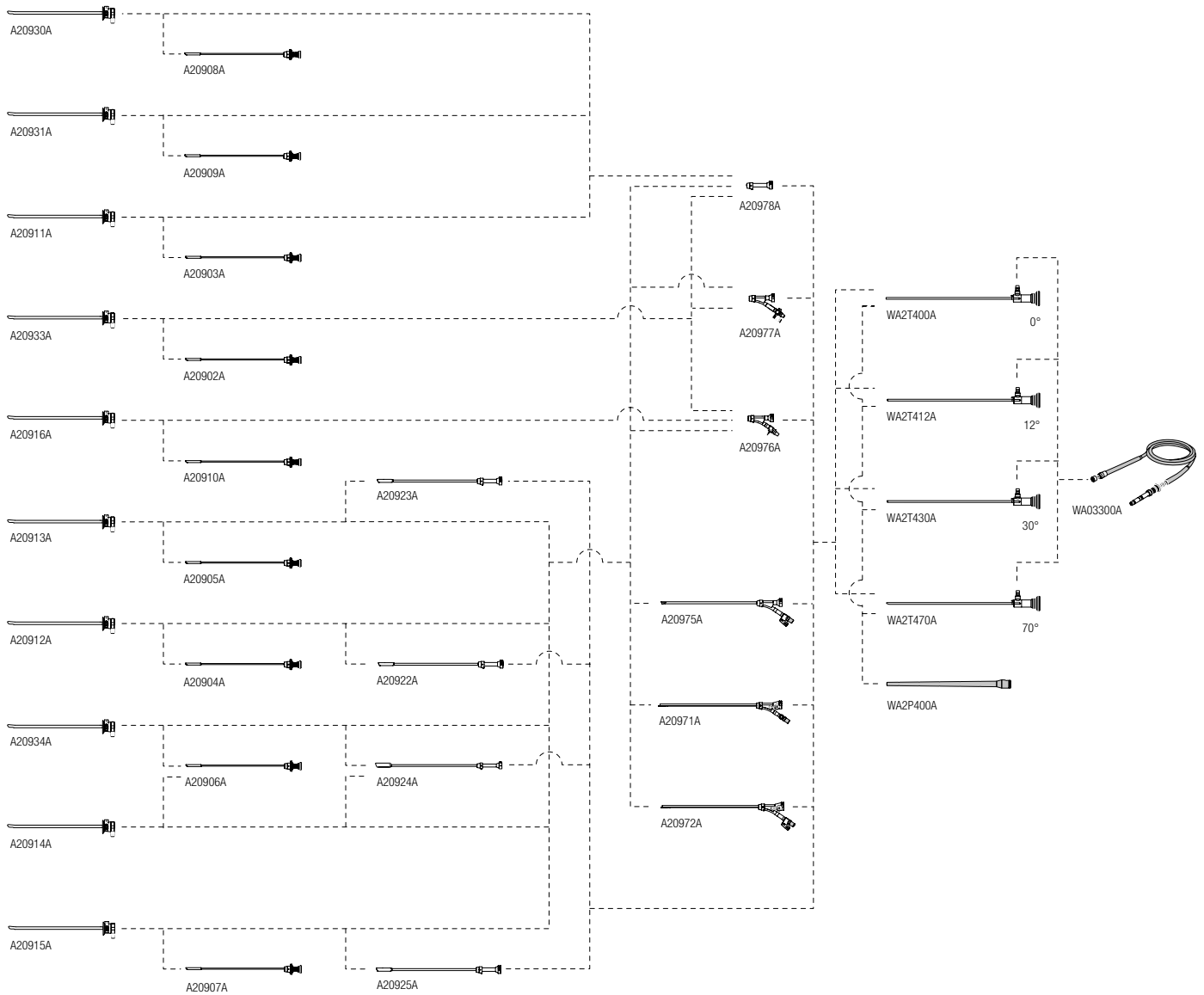

- | | | |
|---|--------------|--|
| ① | 00107 | HF electrode, button, 4 Fr., flexible
<ul style="list-style-type: none"> Working length 380 mm |
| | 00108 | HF electrode, button, 5 Fr., flexible
<ul style="list-style-type: none"> Working length 380 mm |
| | 00109 | HF electrode, button, 6 Fr., flexible
<ul style="list-style-type: none"> Working length 400 mm |
| | 00110 | HF electrode, button, 7 Fr., flexible
<ul style="list-style-type: none"> Working length 400 mm |
| | 00111 | HF electrode, button, 8 Fr., flexible
<ul style="list-style-type: none"> Working length 400 mm |
| | A0275 | HF electrode, button, 9 Fr., flexible
<ul style="list-style-type: none"> Working length 400 mm |
| ② | 00114 | HF electrode, needle, 5 Fr., flexible
<ul style="list-style-type: none"> Working length 400 mm |

Monopolar HF Cable


- | | | |
|---|----------------|--|
| ① | A0335.1 | HF-cable, monopolar
Compatible HF units:
<ul style="list-style-type: none"> ESG-400 ESG-410 Valleylab (new) |
|---|----------------|--|

OES Pro Cystoscopy System Chart

System Chart



OES PRO

Color Code		15.5 Fr.	17 Fr.		19.8 Fr.		21 Fr.		22.5 Fr.		25 Fr.
		 violet A20930A	 light blue A20911A	 eggplant A20931A	 pink A20912A	 pink A20916A	 orange A20913A	 turquoise A20933A	 dark green A20914A	 dark green A20934A	 brown A20915A
	A20908	A20903A	A20909A	A20904A	A20910A	A20905A	A20902A	A20906A	A20906A	A20907A	
	-	-	-	A20922A	-	A20923A	A20923A	A20924A	A20924A	A20925A	
	A20971A	-	-	5	-	7	-	9	12		
	A20972A	-	-	5 4+5	-	7 5+6	-	9 8+4	12 9+6		
	A20975A	-	-	5	-	7	-	9	12		
	A20976A	-	-	6	7	8	-	10	12		
	A20977A	-	-	6 5+6	-	8 6+7	-	10 8+8	12 8+8		

Color code for telescopes

	green	blue	red	red	yellow
	 0°	 12°	 30°	 30°W	 70°

Rigid Optical Forceps

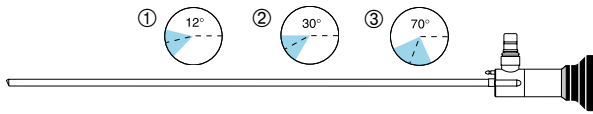
OES Pro



- Biopsy forceps A20715A for removal of pediculated papillomas as well as for specimen biopsy
- Grasping forceps A20714A for firmly grasping foreign bodies and for the treatment of incrustations
- Biopsy forceps A20712A with spoon type jaws for the removal of larger biopsies
- Monopolar biopsy forceps A20716A
- Grasping forceps A20710A for stone lithotripsy



OES PRO

Telescopes


- ① **WA2T412A** Telescope "OES ELITE", 4 mm, HD, autoclavable, 12°
- ② **WA2T430A** Telescope "OES ELITE", 4 mm, HD, autoclavable, 30°
- ③ **WA2T470A** Telescope "OES ELITE", 4 mm, HD, autoclavable, 70°

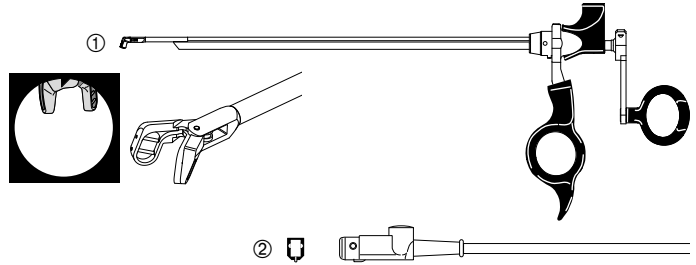
Delivery includes:

protective tube WA2P400A.

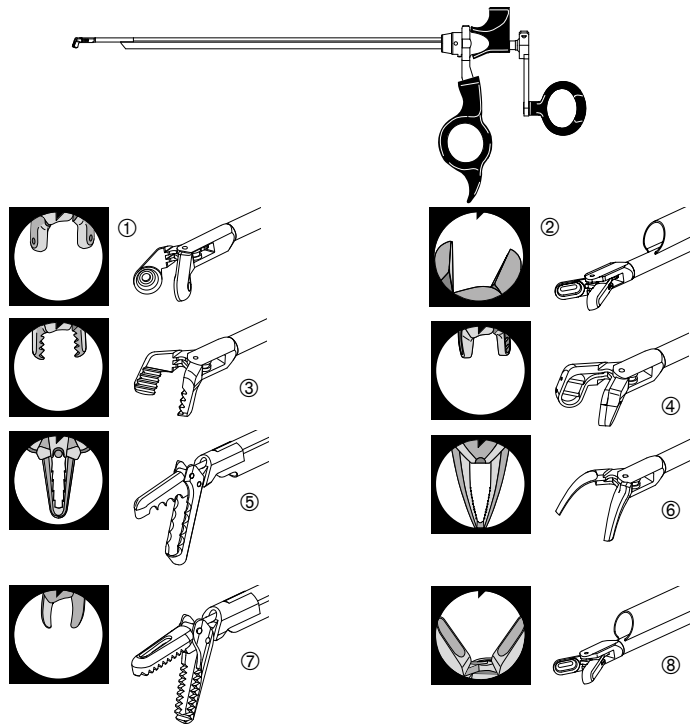
Sheaths


- ① **A3408** Adapter, optical forceps in resectoscope sheath
Adapts optical forceps to all OES resection sheaths.
- ② **A20913A** Cystoscope sheath, 21 Fr. (with beak)
A20933A Cystoscope sheath, 21 Fr., slip off protection, straight, short window
- A20914A** Cystoscope sheath, 22.5 Fr. (with beak)
- A20934A** Cystoscope sheath, 22.5 Fr., slip off protection (with beak)
- A20915A** Cystoscope sheath, 25 Fr. (with beak)

For a system chart of compatible cystoscope sheaths, see page 41.

Monopolar Optical Forceps


- ① **A20716A** Biopsy forceps, optical, unipolar, for 12° telescope
- ② **A00012A** HF cable, monopolar
Compatible HF units:
 - ESG-400
 - ESG-410
 - Valleylab (new)

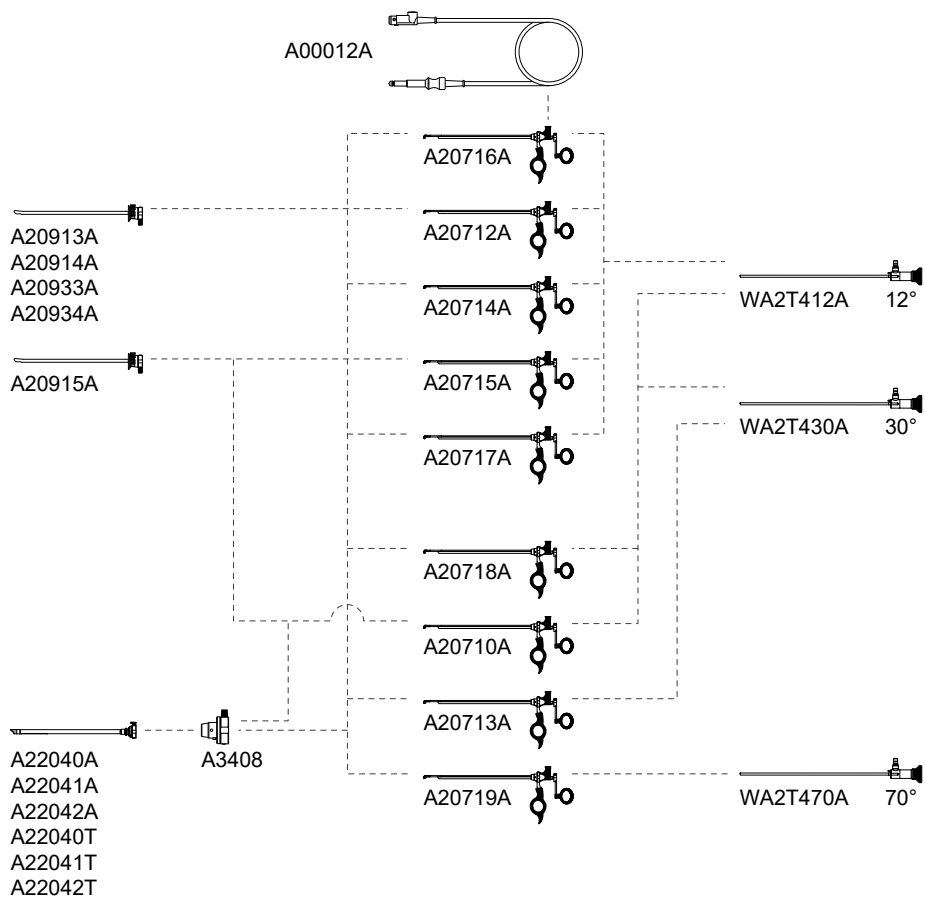
Optical Forceps


- ① **A20712A** Biopsy forceps, spoon type, optical, for 12° telescope
- ② **A20713A** Biopsy forceps, spoon type, optical, for 30° telescope
- ③ **A20714A** Grasping forceps, double action, optical, for 12° telescope
- ④ **A20715A** Biopsy forceps, severing, optical, double action, for 12° telescope
- ⑤ **A20710A** Grasping forceps, optical, for lithotripsy, for 12° and 30° telescope
 - Only for sheath A20915A
- ⑥ **A20717A** Scissors, double action, optical, for 12° telescope
- ⑦ **A20718A** Grasping forceps, optical, for 12° and 30° telescope
- ⑧ **A20719A** Biopsy forceps, optical, spoon type, for 70° telescope

Rigid Optical Forceps

System Chart

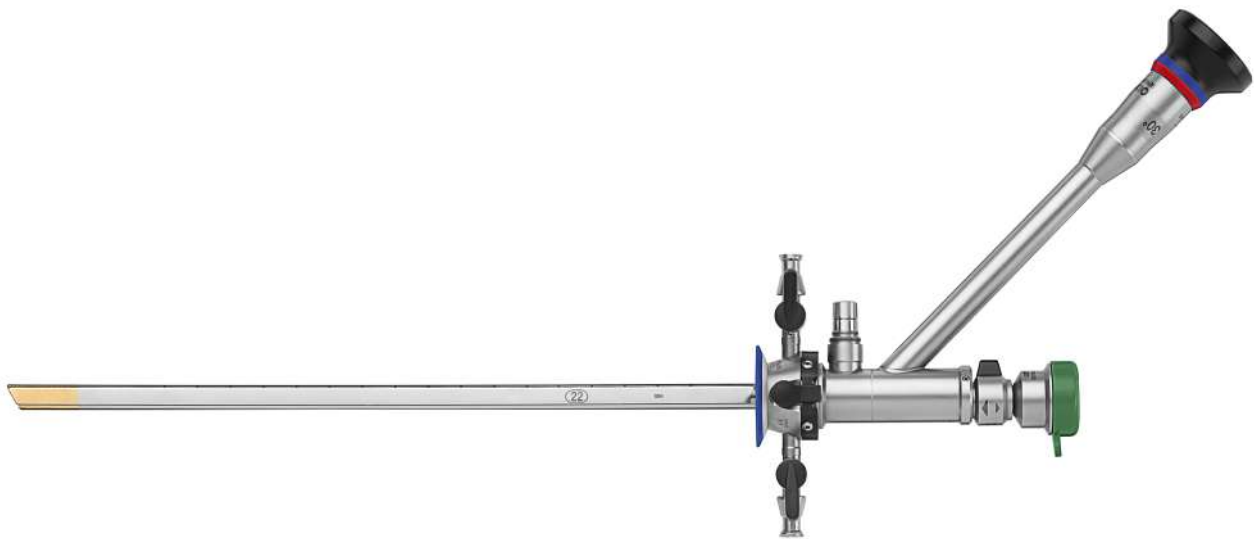
System Chart





Operating Cystoscope

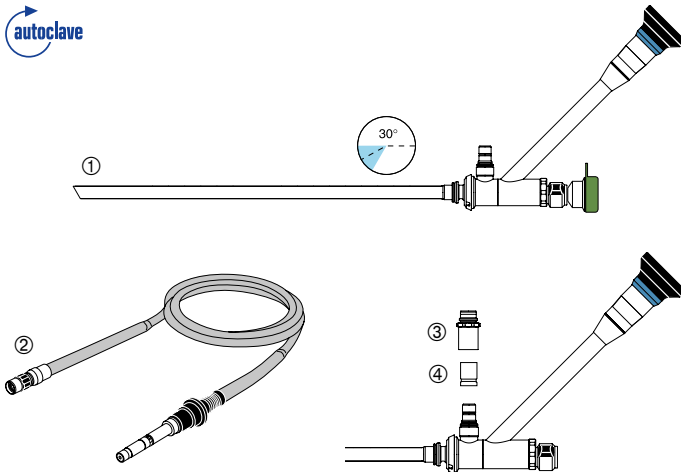
OES Pro



- The 14.5 Fr. (4 mm passage) working channel accommodates a variety of grasping forceps and lithotripsy probes (see sheet EUR-226 for details).
- 30° direction of view
- Increased working length of 230 mm
- Special guiding tube for flexible cysto-nephro-fiberscopes

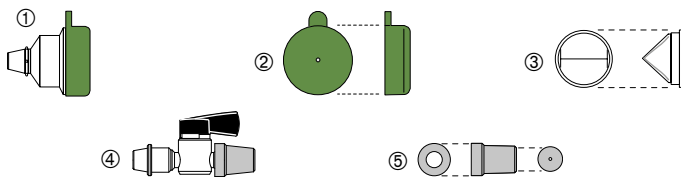


OES PRO

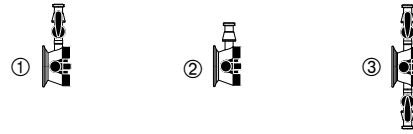
OES Pro Cystoscope


- | | | |
|---|-----------------|--|
| ① | WA33036A | OP telescope,
30°, 4 mm channel
<i>Delivery includes: attachment A3342</i> |
| ② | WA03300A | Light-guide cable,
2.8 mm, 3 m, CF type |
| ③ | A0460 | Light-guide adapter,
Olympus telescope to Olympus light-guide cable |
| ④ | 00332 | Light-guide adapter,
OES telescope to Wolf light-guide cable |

For system chart, see page 179.

Attachments for Cystoscope


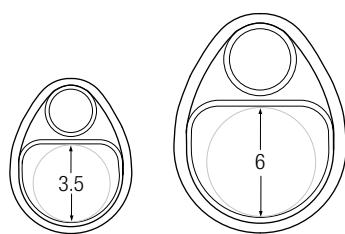
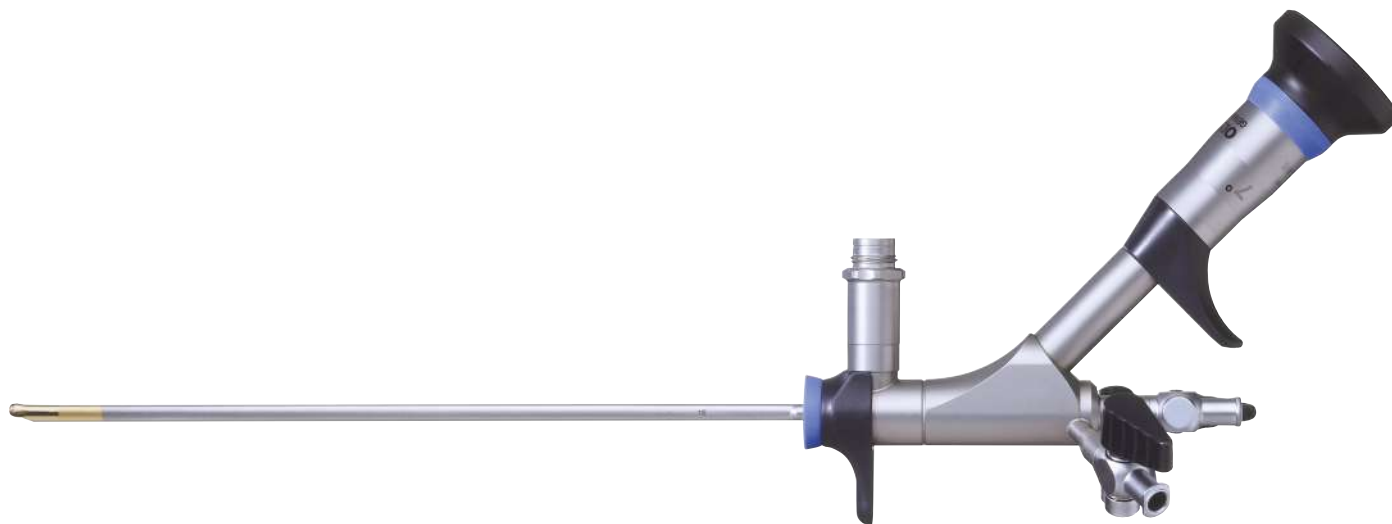
- | | | |
|---|-----------------|---|
| ① | A3342 | Attachment,
with automatic valve, for A3336A and WA33036A |
| ② | A4558 | Sealing cap, green,
for 3.5 mm trocar tube, 10 pcs. 2 mm, for A3342
▪ Reusable/ non-sterile |
| ③ | A00001A | Valve, 5.5 mm,
instrument channel, 10 pcs. transparent, for A3342 |
| ④ | WA33039A | Attachment,
with stopcock, for WA33036A |
| ⑤ | 00201 | Sealing cap, 2,8 mm, 10 pcs. gray, for WA33039A
▪ Reusable/ non-sterile |

Single Flow Irrigation


- | | | |
|---|----------------|---|
| ① | A22051A | Irrigation port, for resection sheaths,
1 stopcock, rotatable |
| | A22054A | Irrigation port, for resection sheaths,
1 vertical stopcock, fixed |
| ② | A22052A | Irrigation port, for resection sheaths,
1 Luer-lock connector, rotatable |
| ③ | A22053A | Irrigation port, for resection sheaths,
2 stopcocks, rotatable |

Slim Compact Cystoscope

Angled Ocular
OES Pro



A37026A

A37025A

Sheath profiles



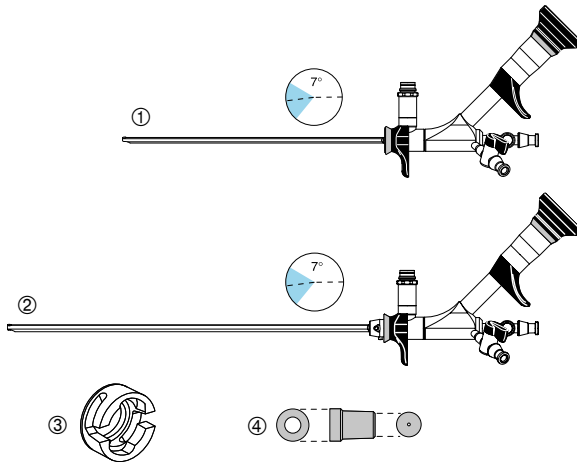
OES PRO

- Straight channel
- Compact slim design
- Integrated stopcocks
- Oval channel design



Compact Cystoscope

autoclave

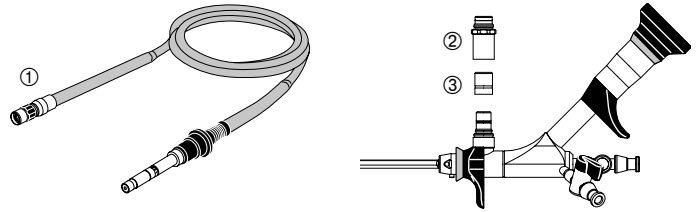


- ① **A37026A** Compact cystoscope, 7°,
7.9 Fr. x 160 mm,
4.2 Fr. channel,
angled ocular
Delivery includes: instrument tray A05961A.
- ② **A37025A** OP telescope, 7°,
11 Fr. x 220 mm,
7.5 Fr. channel,
angled ocular
 - Up to 6 Fr. passage*Delivery includes: instrument tray A05961A.*
- ③ **WA37025B** Adapter, meatus stopper to A37025A
- ④ **A0387** Sealing cap, 0.7 mm, black, 10 pieces
 - Reusable/ non-sterile

Technical Data

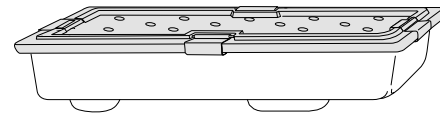
Circumference	
A37026A	7.9 Fr.
A37025A	11 Fr.
Working length A37026A	160 mm
Working length A37025A	220 mm
Working channel (passage)	
A37026A	3.5 Fr.
A37025A	6 Fr.

Light-Guide Cable



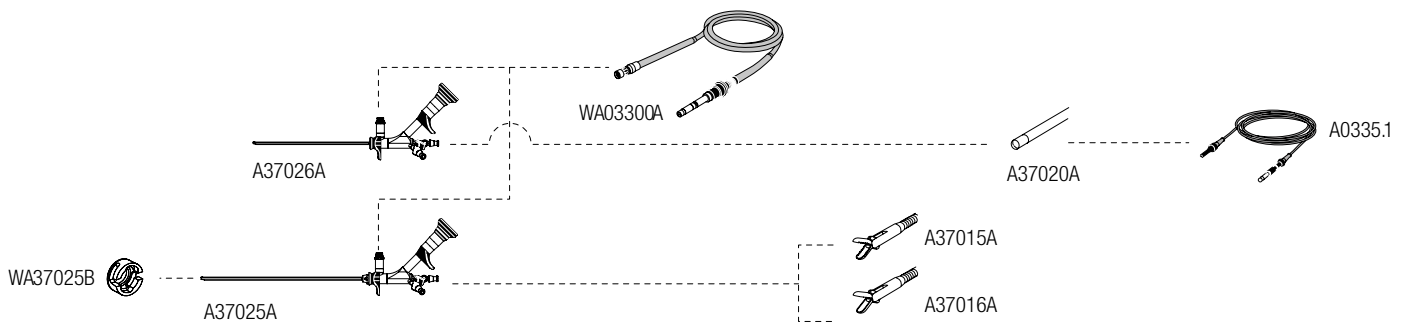
- ① **WA03300A** Light-guide cable,
2.8 mm, 3 m,
CF type
- ② **A0460** Light-guide adapter,
Olympus telescope to Olympus light-guide cable
- ③ **00332** Light-guide adapter,
OES telescope to Wolf light-guide cable

Instrument Tray



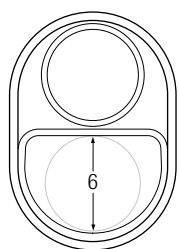
- A05961A** Instrument tray,
for compact cystoscope and compact hysteroscope
 - Outer dimensions: 405 x 95 x 200 mm
 - With lid

System Chart



Compact Cystoscope

Straight Ocular
OES Pro



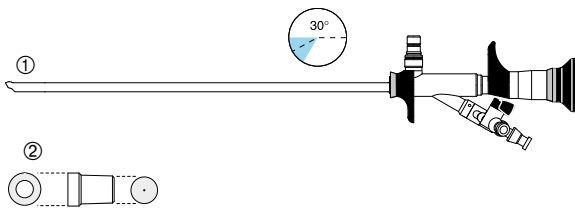
A20918A

Sheath profile



OES PRO

- Compact slim design
- Integrated stopcocks
- Oval channel design

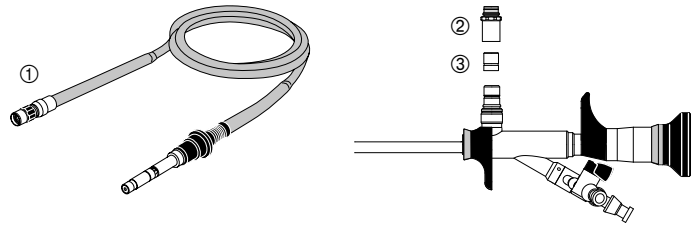
Compact Cystoscope


- ① **A20918A** Cystoscope, 30°, 14 Fr. x 230 mm,
7 Fr. channel, straight ocular
- Wide field of view
- Delivery includes: instrument tray A05961A.*
- ② **A0387** Sealing cap,
4.5 mm,
10 pcs.
- Reusable/ non-sterile

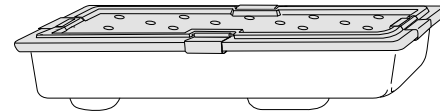
Technical Data

Circumference	
A20918A	14 Fr.
Working length	230 mm
Working channel (passage)	
A20918A	6 Fr.

For Endo-Therapy instruments, see page 21, 22, 23, 24 and 35.

Light-Guide Cable


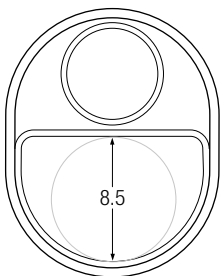
- ① **WA03300A** Light-guide cable,
2.8 mm, 3 m,
CF type
- ② **A0460** Light-guide adapter,
Olympus telescope to Olympus light-guide cable
- ③ **O0332** Light-guide adapter,
OES telescope to Wolf light-guide cable

Instrument Tray


- A05961A** Instrument tray,
for compact cystoscope and compact hysteroscope
- Outer dimensions: 405 x 95 x 200 mm
 - With lid

Compact Cystoscope

Angled Ocular
OES Pro



A20919A

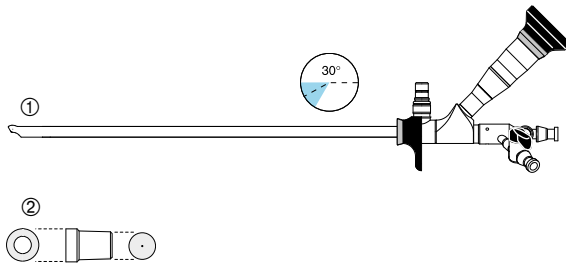
Sheath profiles



OES PRO

Thanks to the integrated design the OES Pro cystoscopes offer a superior channel size while maintaining the smallest outer diameter possible.

- Smooth beak at the distal end
- Stainless steel maintenance-free stopcocks
- Sure grip for controlled handling

Compact Cystoscope


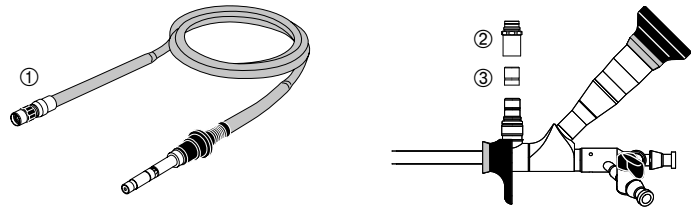
- ① **A20919A** Cystoscope,
30°,
17 Fr. x 225 mm,
9 Fr. channel,
ocular angle 45°
Delivery includes: instrument tray A05961A.

- ② **A0387** Sealing cap,
4.5 mm,
10 pcs.
▪ Reusable/ non-sterile

Technical Data

Circumference	
A20919A	17 Fr.
Working length	225 mm
Working channel (passage)	
A20919A	8.5 Fr.

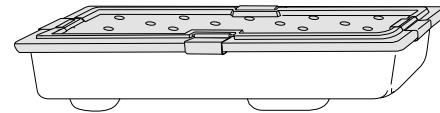
For Endo-Therapy instruments, see page 21, 22, 23, 24 and 35.

Light-Guide Cable


- ① **WA03300A** Light-guide cable,
2.8 mm, 3 m,
CF type

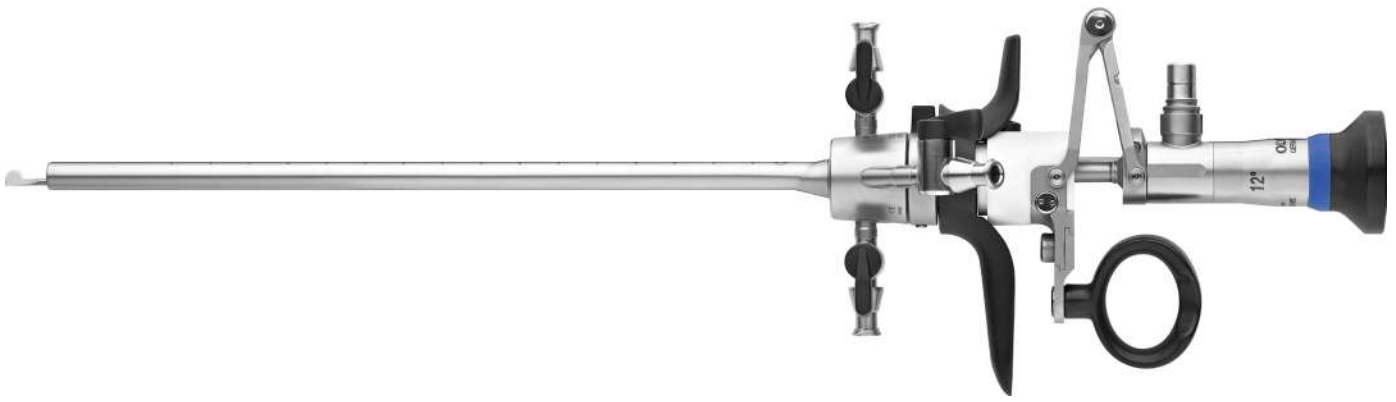
- ② **A0460** Light-guide adapter,
Olympus telescope to Olympus light-guide cable

- ③ **00332** Light-guide adapter,
OES telescope to Wolf light-guide cable

Instrument Tray


- A05961A** Instrument tray,
for compact cystoscope and compact hysteroscope
▪ Outer dimensions: 405 x 95 x 200 mm
▪ With lid

Optical Urethrotome

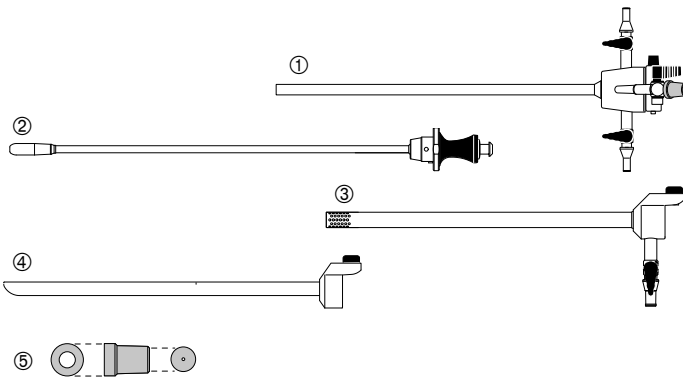


OES 4000

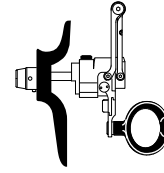
- No image cut off
- Treatment of urethral strictures
- Treatment of ureteral stenoses

Telescope

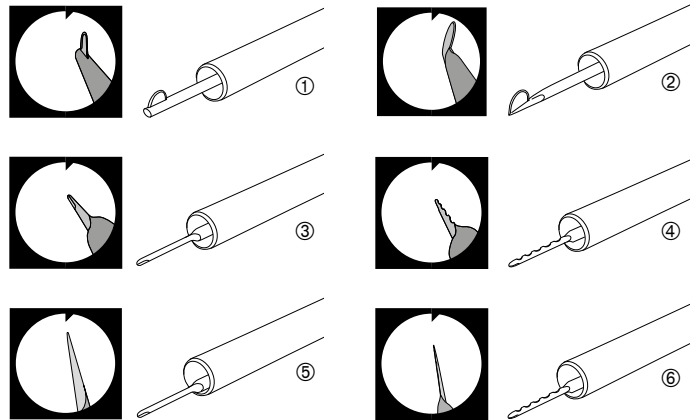

WA2T412A Telescope "OES ELITE",
4 mm, 12°,
HD, autoclavable
Delivery includes: protective tube WA2P400A.

Sheaths


- ① **A3551** Sheath, 22 Fr.,
for urethrotome
 - 4 Fr. channel
 - With obturator A3560
- ② **A3560** Obturator,
for A3551, 4 Fr. channel
- ③ **A3552** Outer sheath,
26 Fr., for A3551
 - For percutaneous access
- ④ **A3554** Insertion sleeve,
for A3551
 - For balloon catheter of max. 18 Fr.
 - For difficult anatomy to remain access to the bladder while instrument is withdrawn.
- ⑤ **00131** Sealing cap, 0.7 mm, 10 pieces
 - Reusable/non-sterile

Working Element


A3550 Working element,
for A3551

Knives for Urethrotomy


- ① **A3556** Knife,
semi-circular,
4 Fr. channel,
for A3550
 - Knife A3556 must be used in combination with a 3 or 4 Fr. ureter catheter.
- ② **A3558** Knife,
semi-circular,
for A3550
- ③ **A3555** Knife,
lancet type,
for A3550
- ④ **A3557** Knife,
corrugated,
for A3550
- ⑤ **WA35055A** Knife,
lancet type, straight
- ⑥ **WA35057A** Knife,
corrugated, straight

Punch for Bladder Stones



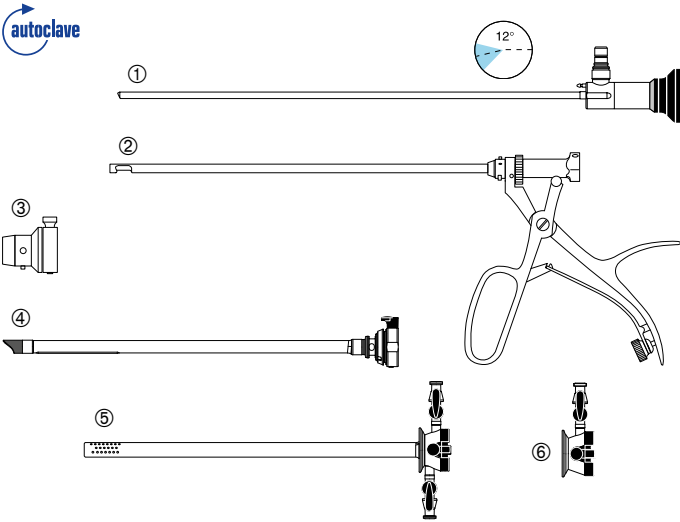
Bladder stones can be effectively disintegrated using the bladder stone punch.

- The bladder stone punch can be used with the 12° telescope and resection sheaths from 24 French up.
- When punching, the plunger moves axially in a distal direction so that during their fragmentation stones are kept away from the lens of the telescope.





Punch for Bladder Stones



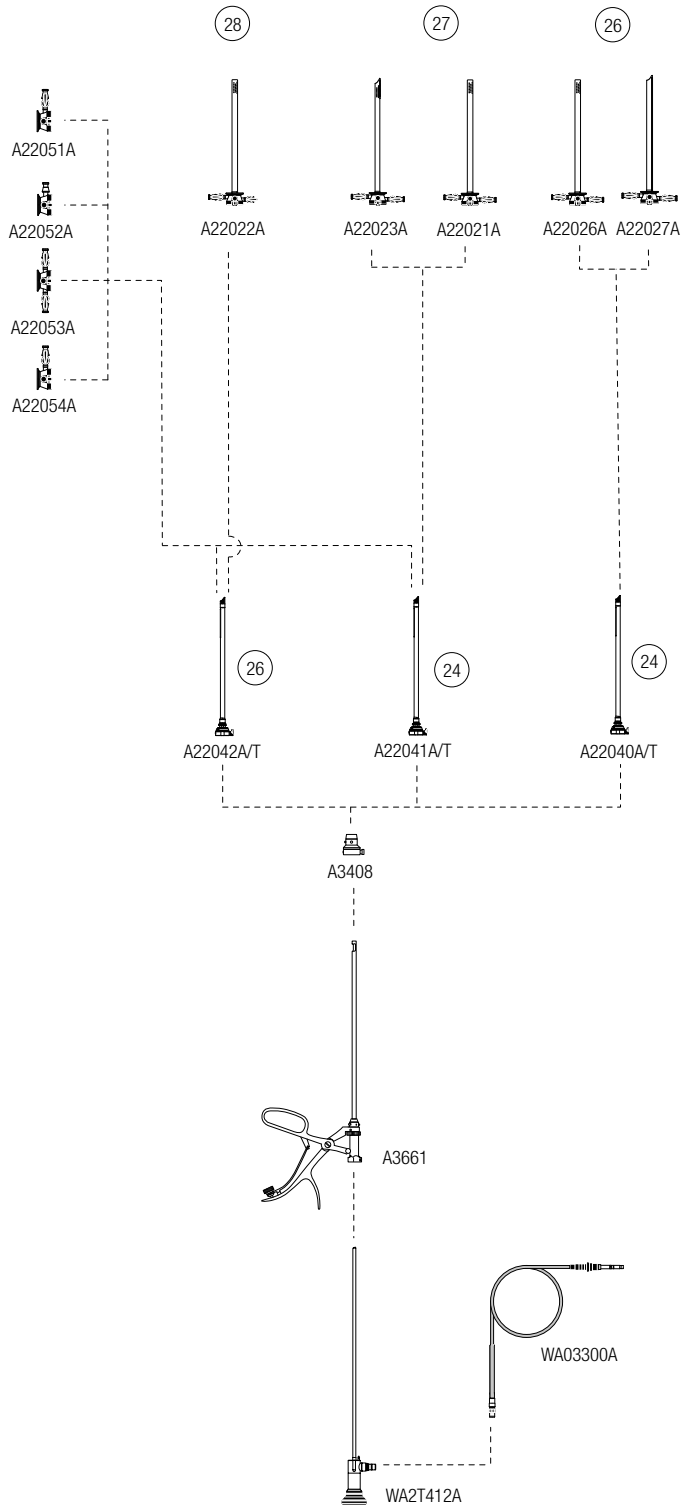
- ① **WA2T412A** Telescope "OES ELITE",
4 mm, 12°,
HD, autoclavable
Delivery includes: protective tube WA2P400A.
- ② **A3661** Punch,
for bladder stones,
optical
- ③ **A3408** Adapter,
optical forceps in resectoscope sheath
▪ Adapts punch A3661 to all OES PRO
resection sheaths

Selection of sheaths:

- ④ **A22041A** Resection sheath, 24 Fr.
A22042A Resection sheath, 26 Fr.
- ⑤ **A22051A** Irrigation port,
1 stopcock, rotatable
- ⑥ **A22021A** Outer sheath,
27 Fr.,
2 stopcocks,
rotatable

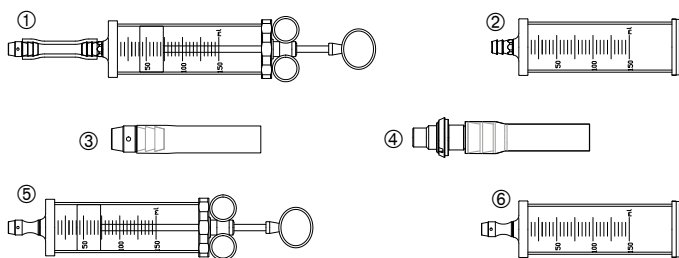
For more resection sheaths, see page 59, 63, 65, 67, 83, 87 and 91.

System Chart



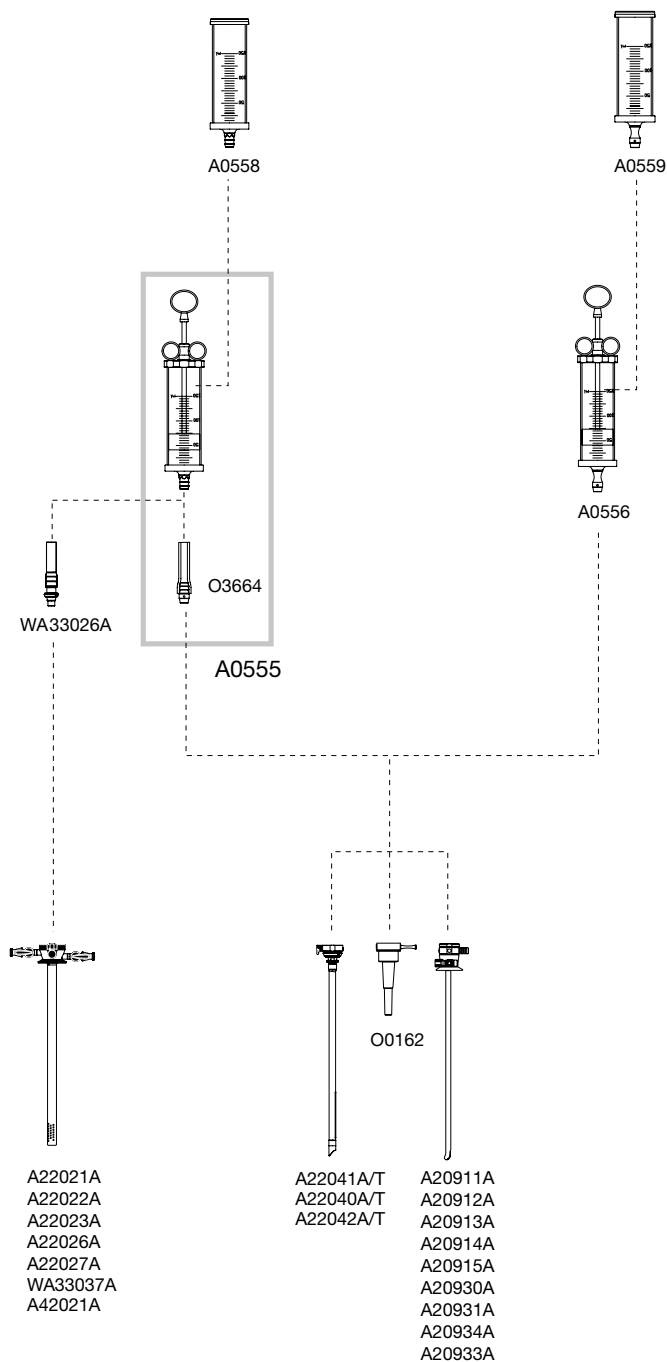
Bladder Irrigation and Stopcocks

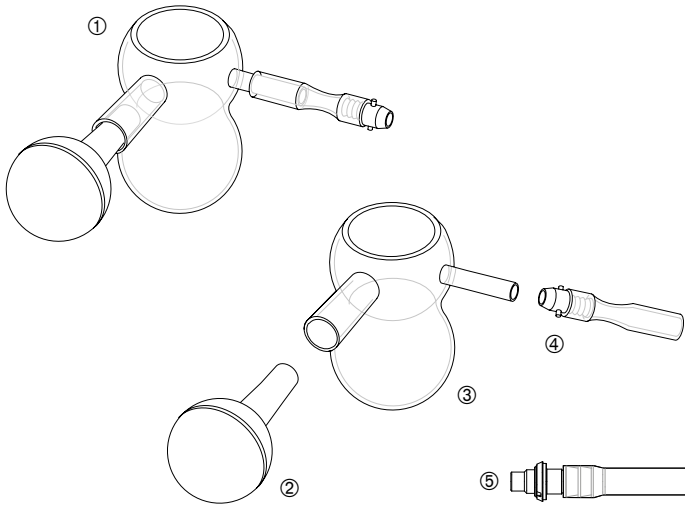
Bladder Syringes



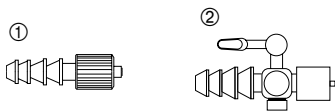
- ① **A0555** Syringe, 150 ml, with flexible clamping cone
- ② **A0558** Spare cylinder, for A0555
- ③ **O3664** Tube, with cone, for O3657 spare for A0555
- ④ **WA33026A** Adapter, OES Pro outer sheath to Ellik and syringe
- ⑤ **A0556** Syringe, 150 ml, with clamping cone
- ⑥ **A0559** Spare cylinder, for A0556

System Chart Bladder Syringes



Ellik-Evacuator


- | | | |
|---|-----------------|---|
| ① | 03657 | Evacuator,
acc. to Ellik |
| ② | 03665 | Pressure ball,
for 03657 |
| ③ | 03653 | Spare glass,
for 03657 |
| ④ | 03664 | Tube,
with cone,
for 03657 |
| ⑤ | WA33026A | Adapter,
OES Pro outer sheath to Ellik and syringe |

Tubing Adapters, Luer-Lock


- | | | |
|---|----------------|---|
| ① | 00103 | Adapter,
with Luer-lock male and x-mas tree |
| ② | 00102.1 | Stopcock,
Luer-lock male/X-mas tree,
maintenance-free |

For instruments with Luer-lock connector

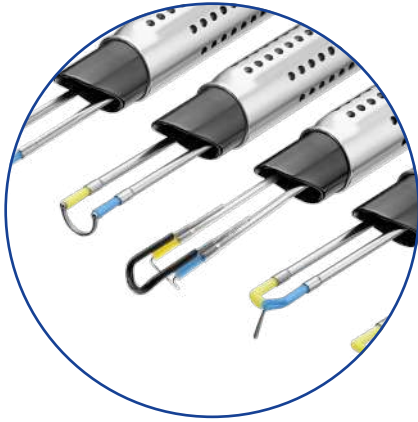
Prostate Treatment

OES Pro Resectoscopes	59
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OES Pro Resectoscopes



PLASMA+



Variety of Electrodes

Combined with the electrosurgical generator, Olympus provides an extended portfolio of electrodes to expand your treatment possibilities. With resection loops in different sizes and angles, needle and band electrodes, oval and round vaporization buttons, and a special enucleation loop, the Olympus PLASMA+ system provides solutions for BPH and NMIBC treatment.



Ergonomics

Exceptional balance is achieved by ideal positioning of all connections, ensuring complete comfort and reduced fatigue during operation. Connections are positioned at 180 degrees to allow the cable forces that can unbalance the resectoscope in use to act against each other. This ensures a fine balance is retained even when a camera head is attached. Equipped with the Olympus Logical-Locking-System (LLS), which guarantees quick and secure assembly the ergonomically positioned one-touch push buttons allow for quick and easy disassembly.



ESG-400

The ESG-400 offers a universal platform with a full range of monopolar and bipolar modes for open, laparoscopic and endoscopic procedures. The tissue-adaptive power output applies the optimal amount of energy for controlled, precise and effective cutting and coagulation performance.

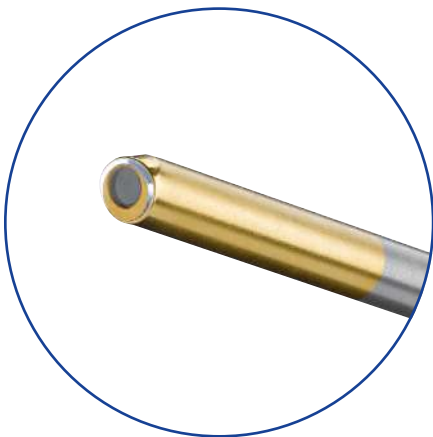


ESG-410

The ESG-410 comes with a wide range of smart features that aim to upgrade the way BPH and NMIBC can be treated. Especially when utilizing larger electrodes, the ESG-410 delivers up to 50% higher PLASMA stability versus comparative units.

Telescopes

OES ELITE

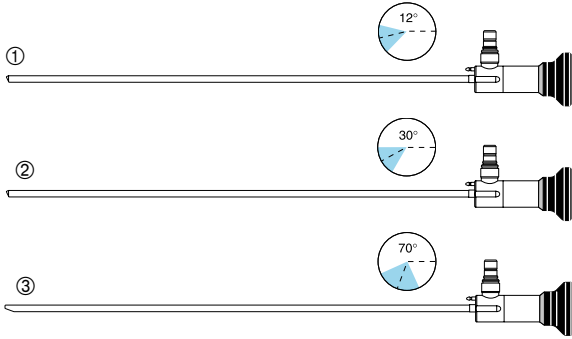


- Images appear rich in contrast due to the new extra low dispersion (ED) glass in the telescopes.
- Improved optical quality in NBI
- HD marking on telescope for clear identification of HD compatibility
- Compatible with previous Olympus resectoscopes
- Two year autoclavability guarantee



OES ELITE Telescopes

autoclave



- ① **WA2T412A** Telescope "OES ELITE", 4 mm, 12°, HD, autoclavable

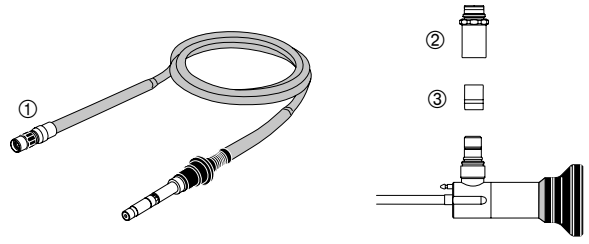
- ② **WA2T430A** Telescope "OES ELITE", 4 mm, 30°, HD, autoclavable

- ③ **WA2T470A** Telescope "OES ELITE", 4 mm, 70°, HD, autoclavable

We recommend to use our resectoscopes and optical obturators with 12° telescopes.

Delivery includes:
protective tube WA2P400A.

Light-Guide Cable

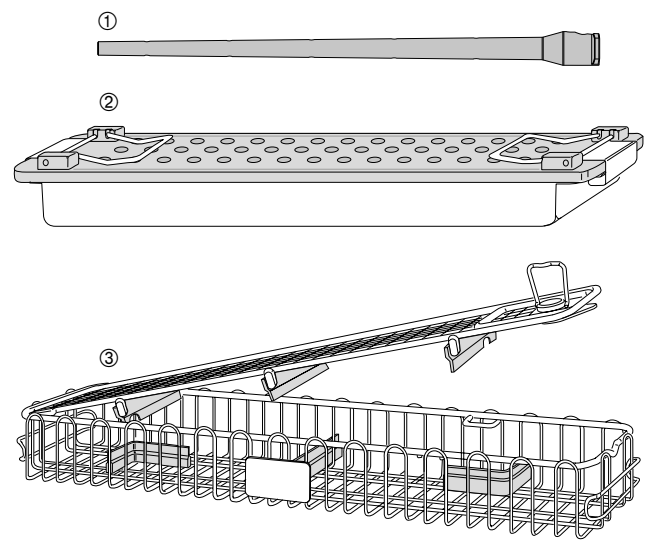


- ① **WA03300A** Light-guide cable, 2.8 mm, 3 m, CF type

- ② **A0460** Light-guide adapter, for OES 4000 light-guide cable

- ③ **00332** Light-guide adapter, for Wolf light-guide cable

Accessories



- ① **WA2P400A** Protective tube, 4 mm telescopes

- ② **WA05990A** Instrument tray, for telescopes

- ③ **A5940** Instrument tray, for 2.7-10 mm telescopes

🔗 For plastic instrument trays, see page 651.

Rotatable Continuous Flow Resectoscope

OES Pro



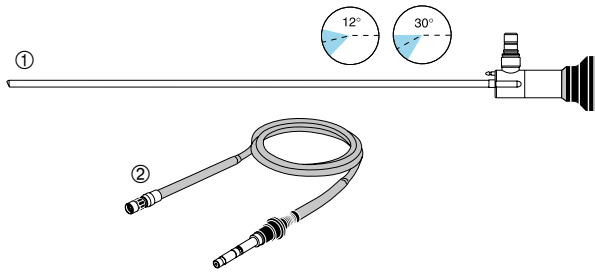
PLASMA+



- Extremely light 248 gr. and well balanced
- Impressive working length of 194 mm
- Slim 26 Fr. outer sheath available
- Large resection volume
- Reduced finger spread
- Excellent flow characteristics
- Available in monopolar and PLASMA configuration

Telescopes

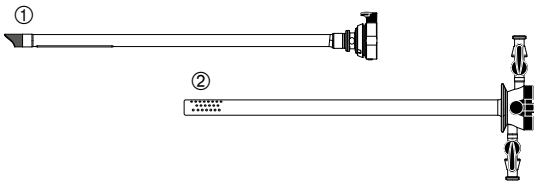
autoclave



- ① **WA2T412A** Telescope "OES ELITE", 4 mm, HD, autoclavable, 12°
- WA2T430A** Telescope "OES ELITE", 4 mm, HD, autoclavable, 30°
- ② **WA03300A** Light-guide cable, 2.8 mm, 3 m, CF type

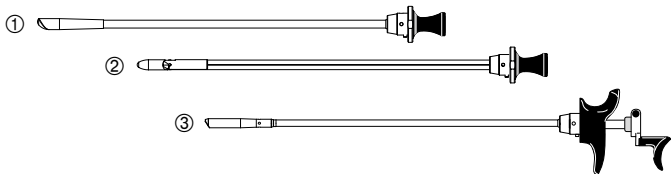
For "OES ELITE" telescopes, see page 61.

Resection Sheaths



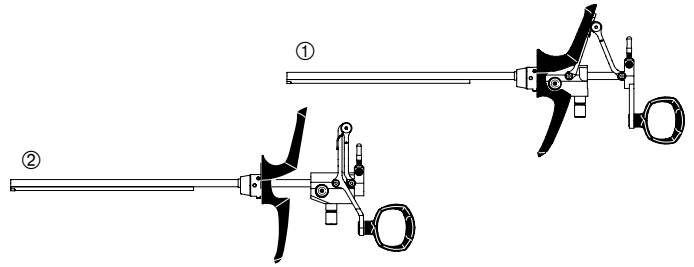
- | | 26 Fr. | 27 Fr. | 28 Fr. | |
|---|----------------|----------------|----------------|---|
| ① | A22040A | A22041A | A22042A | Inner sheath, incl. standard obturator |
| | A22040T | A22041T | A22042T | Inner sheath, incl. obturator with deflecting tip |
| ② | A22026A | A22021A | A22022A | Outer sheath, 2 stopcocks, rotatable |

Obturator



- | | 26 Fr. | 27 Fr. | 28 Fr. | |
|---|----------------|----------------|----------------|---------------------------|
| ① | A22081A | A22081A | A22082A | Obturator, standard |
| ② | A22085A | A22085A | A22086A | Obturator, deflecting tip |
| ③ | A22071A | A22071A | A22072A | Obturator, optical |

PLASMA

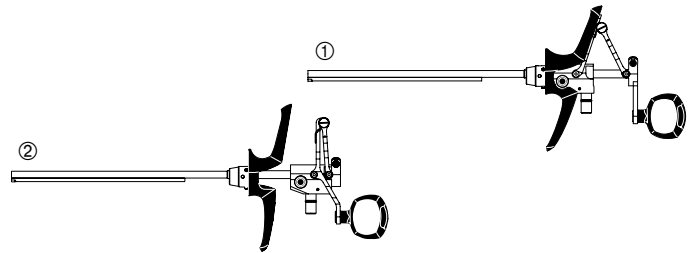


- ① **WA22366A** Working element, active, for resection in saline
- ② **WA22367A** Working element, passive, for resection in saline

For PLASMA resection electrodes and HF cable, see page 69 and 70.

For PK Technology PLASMA resection electrodes with cables, see page 77.

Monopolar



- ① **WA22066A** Working element, active
- ② **WA22067A** Working element, passive

For monopolar HF resection electrodes and HF cables, see page 79.

Non-Rotatable Continuous Flow Resectoscope

OES Pro



design award
winner
2002



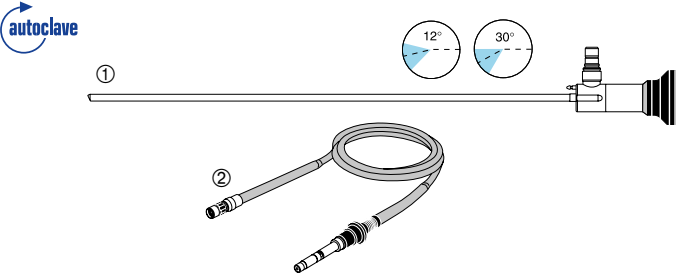
reddot design award
winner 2002

PLASMA+



- Extremely light and well balanced
- Impressive working length of 194 mm
- Slim 26 Fr. outer sheath available
- Large resection volume
- Reduced finger spread
- Excellent flow characteristics

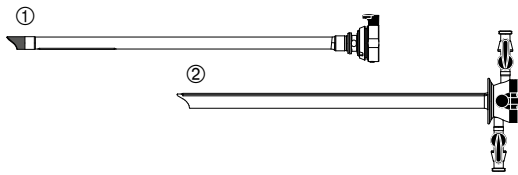
Telescopes



- ① **WA2T412A** Telescope "OES ELITE", 4 mm, HD, autoclavable, 12°
- WA2T430A** Telescope "OES ELITE", 4 mm, HD, autoclavable, 30°
- ② **WA03300A** Light-guide cable, 2.8 mm, 3 m, CF type

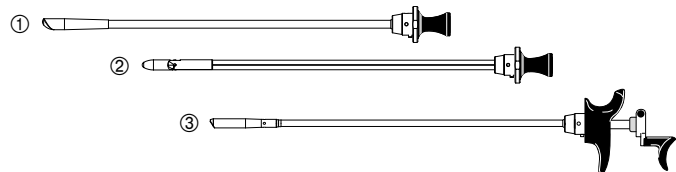
☒ For "OES ELITE" telescopes, see page 61.

Resection Sheaths



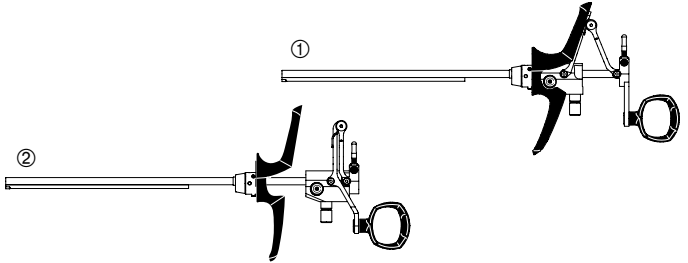
- | | 26 Fr. | 27 Fr. | 28 Fr. | |
|---|----------------|----------------|----------------|---|
| ① | A22040A | A22041A | A22042A | Inner sheath, incl. standard obturator |
| | A22040T | A22041T | A22042T | Inner sheath, incl. obturator with deflecting tip |
| ② | A22027A | A22023A | - | Outer sheath, 2 vertical stopcocks, fixed |

Obturators



- | | 26 Fr. | 27 Fr. | 28 Fr. | |
|---|----------------|----------------|----------------|---------------------------|
| ① | A22081A | A22081A | A22082A | Obturator, standard |
| ② | A22085A | A22085A | A22086A | Obturator, deflecting tip |
| ③ | A22071A | A22071A | A22072A | Obturator, optical |

PLASMA

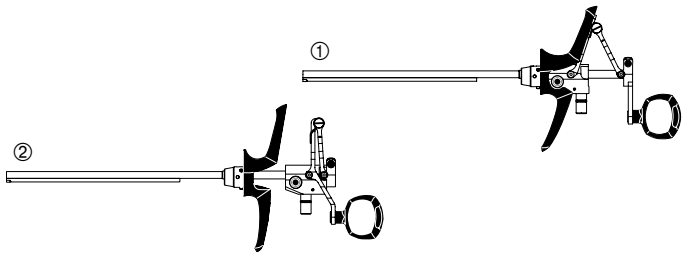


- ① **WA22366A** Working element, active, for resection in saline
- ② **WA22367A** Working element, passive, for resection in saline

☒ For PLASMA resection electrodes and HF cable, see page 69 and 70.

☒ For PK Technology PLASMA resection electrodes with cables, see page 77.

Monopolar



- ① **WA22066A** Working element, active
- ② **WA22067A** Working element, passive

☒ For monopolar HF resection electrodes and HF cables, see page 79.

Single Flow Resectoscope

OES Pro

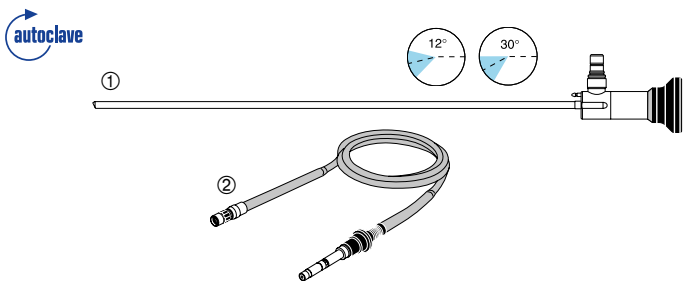


PLASMA+



- Impressive working length of 194 mm
- Slim 24 Fr. resection sheath available
- Large resection volume
- Different rotatable and fixed stopcocks available

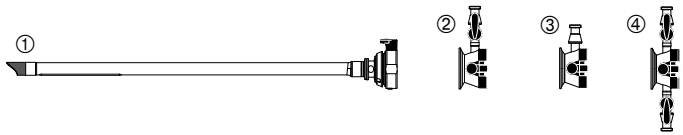
Telescopes



①	WA2T412A	Telescope "OES ELITE", 4 mm, HD, autoclavable, 12°
	WA2T430A	Telescope "OES ELITE", 4 mm, HD, autoclavable, 30°
②	WA03300A	Light-guide cable, 2.8 mm, 3 m, CF type

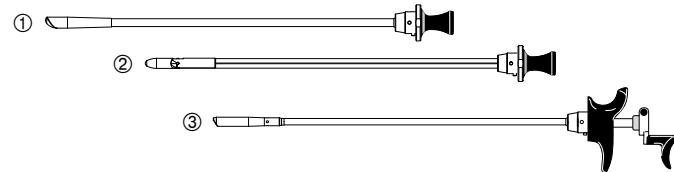
For details on "OES ELITE" Telescopes, see page 61.

Resection Sheaths



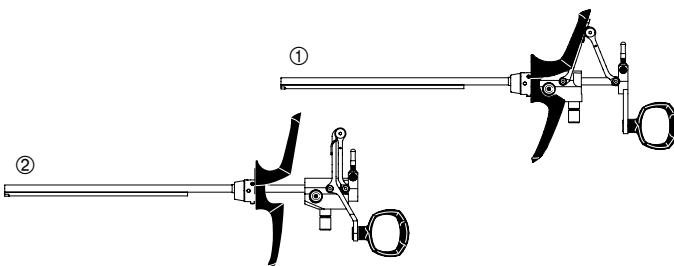
	24 Fr.	26 Fr.	28 Fr.	
①	A22041A	A22042A	-	Resection sheath, without irrigation port, incl. standard obturator
	A22041T	A22042T	-	Resection sheath, without irrigation port, incl. obturator with deflecting tip
②	A22051A	A22051A	A22051A	Irrigation port, for resection sheaths, 1 stopcock, rotatable
	A22054A	A22054A	A22054A	Irrigation port, for resection sheaths, 1 vertical stopcock, fixed
③	A22052A	A22052A	A22052A	Irrigation port, for resection sheaths, 1 Luer-lock connector, rotatable
④	A22053A	A22053A	A22053A	Irrigation port, for resection sheaths, 2 stopcocks, rotatable

Obturers



	26 Fr.	27 Fr.	
①	A22081A	A22082A	Obturator, standard
②	A22085A	A22086A	Obturator, deflecting tip
③	A22071A	A22072A	Obturator, optical

PLASMA

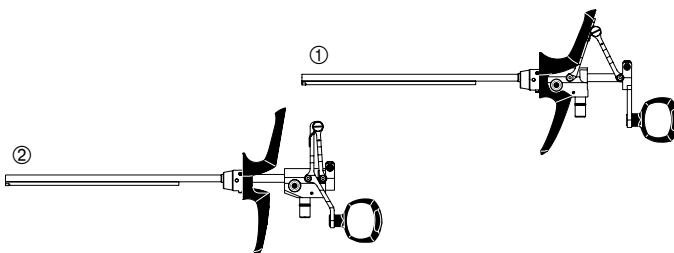


①	WA22366A	Working element, active, for resection in saline
②	WA22367A	Working element, passive, for resection in saline

For PLASMA resection electrodes and HF cable, see page 69 and 70.

For PK Technology PLASMA resection electrodes with cables, see page 77.

Monopolar



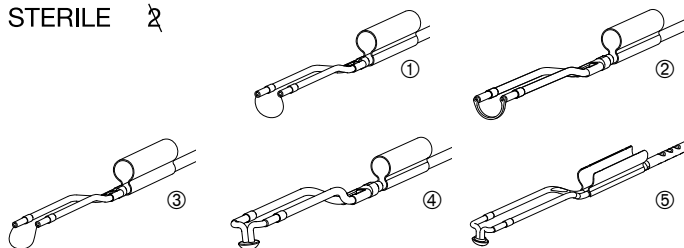
①	WA22066A	Working element, active
②	WA22067A	Working element, passive

For monopolar HF resection electrodes and HF cables, see page 81 and 82.

ESG PLASMA Electrodes

**24 Fr. Sterile, Single-Use
26 Fr. HF-Resection Electrodes
27 Fr.**

STERILE 

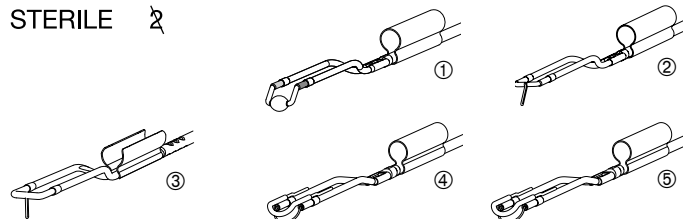


- ① **WA22301S** HF-resection electrode "PlasmaLoop", small loop, 24 Fr., 12°/16°, in saline
- WA22302D** HF-resection electrode, loop, 24 Fr., 0.2 wire, medium, 12°, sterile, single use, 12 pcs., for TURis
- WA22503D** HF-resection electrode, loop, 24 Fr., 0.2 wire, large, 12°, sterile, single use, 12 pcs., for TURis
- WA22305S** HF-resection electrode "PlasmaLoop", small loop, 24 Fr., 12°-30°, in saline
- WA22306D** HF-resection electrode, loop, 24 Fr., 0.2 wire, medium, 30°, sterile, single use, 12 pcs., for TURis
- WA22507D** HF-resection electrode, loop, 24 Fr., 0.2 wire, large, 30°, sterile, single use, 12 pcs., for TURis
- ② **WA22521C** HF-resection electrode, band, 24 Fr., medium, 12°, sterile, single use, 12 pcs., for TURis
- WA22523C** HF-resection electrode, band, 24 Fr., medium, 30°, sterile, single use, 12 pcs., for TURis
- ③ **WA22331D** HF-resection electrode, loop, 24-28 Fr., 0.2 wire, small, 45° angled, 12° and 30°, sterile, single use, 12 pcs., for TURis
- WA22332D** HF-resection electrode, loop, 24-28 Fr., 0.2 wire, medium, 45° angled, 12° and 30°, sterile, single use, 12 pcs., for TURis
- ④ **WA22557C** HF-resection electrode, button, 24-28 Fr., 12° and 30°, sterile, single use, 12 pcs., for TURis
- ⑤ **WA22566S** HF-resection electrode "Plasma-OvalButton", oval button, 24 Fr., 12°-30°, in saline

S = 5 pcs.
C/D = 12 pcs.

**24 Fr. Sterile, Single-Use
26 Fr. HF-Resection Electrodes
27 Fr. (cont.)**

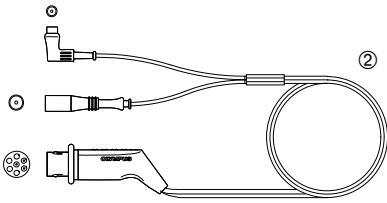
STERILE 



- ① **WA22351C** HF-resection electrode, roller, 24-28 Fr., 12° and 30°, sterile, single use, 12 pcs., for TURis
 - For coagulation only
- ② **WA22355C** HF-resection electrode, 45° needle, 24-28 Fr., 12° and 30°, sterile, single use, 12 pcs., for TURis
- ③ **WA22540S** HF-resection electrode "PlasmaNeedle", right-angled needle, 24 Fr., 12°-30°, in saline
- ④ **WA22558C** HF-resection electrode, loop, 24-28 Fr., 45° angled, 12° and 30°, sterile, single use, 12 pcs., for TURis enucleation
- ⑤ **WA22559S** HF-resection electrode "Plasma-TUEBLoop", loop, TUEB, 24 Fr., 12°-30°, in saline

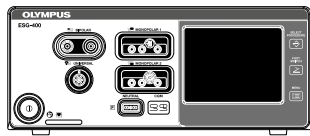
S = 5 pcs.
C = 12 pcs.

HF Cable



- ② **WA00014A** HF cable, bipolar, for ESG-400 / ESG-410 SALINE mode

ESG-400

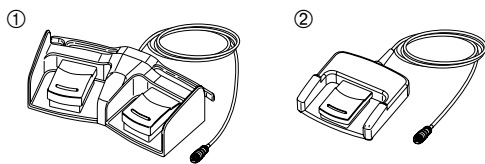


- WB91051W** ESG-400 (ROW)
- WB91051J** ESG-400 (Japan)
- WB91051C** ESG-400 (China)

Delivery includes:
 ESG-400, foot switch WB50402W
 Power cable must be ordered separately.

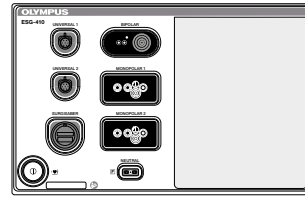
For ESG-400, see page 547.

Foot Switches for ESG-400



- ① **WB50402W** Foot switch, double pedal
- ② **WB50403W** Foot switch, single pedal

ESG-410

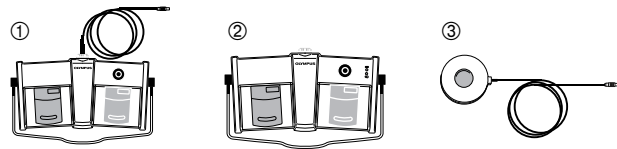


- WA91307W** ESG-410 (EU & ROW)
- WA91307J** ESG-410 (China)
- WA91317J** ESG-410 (Japan)
- WA91307C** ESG-410 (US, Canada)

Delivery includes:
 ESG-410
 Foot switches and power cable must be ordered separately.

For ESG-410, see page 549.

Foot Switches for ESG-410

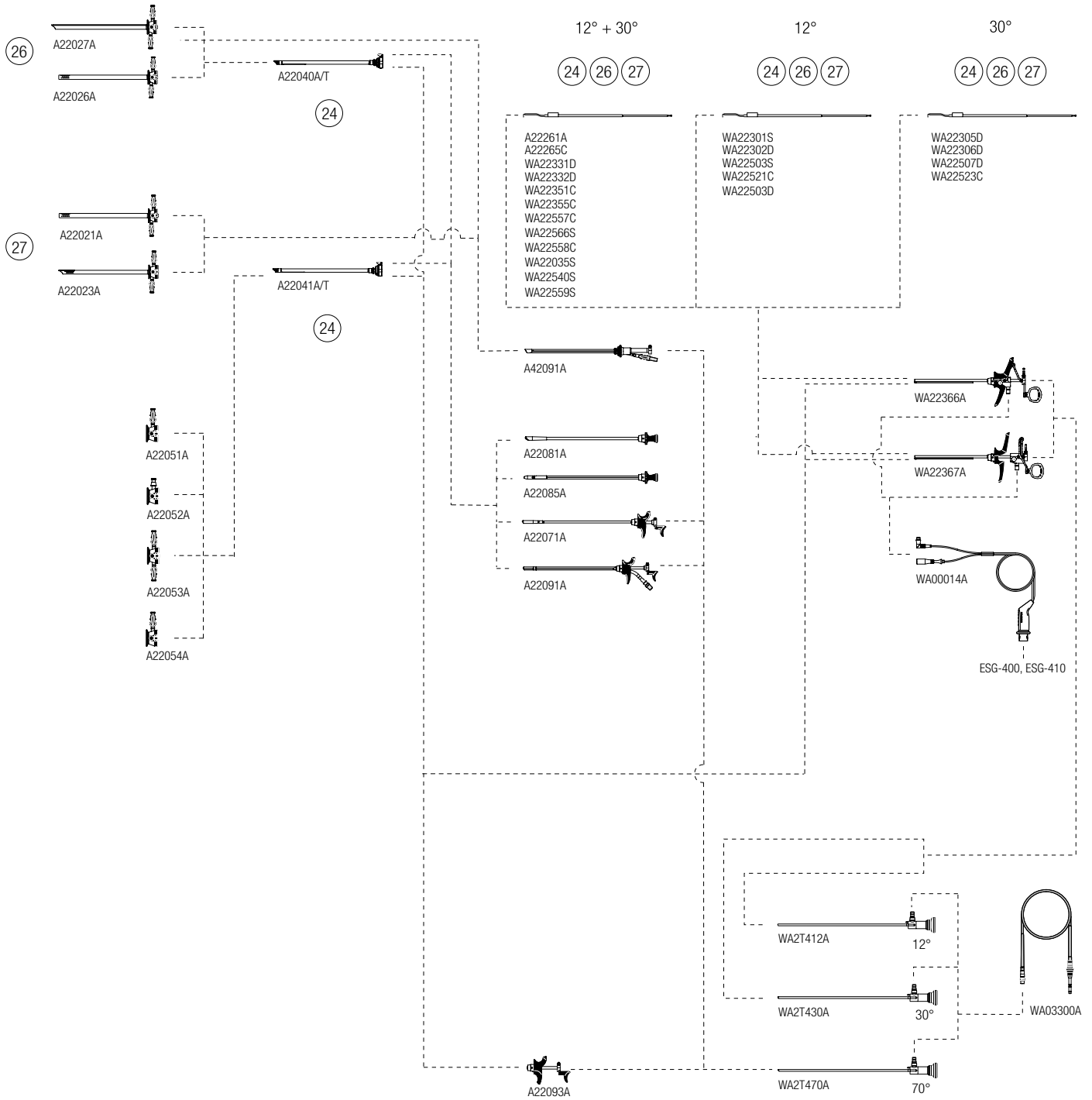


- ① **WA91301W** Foot switch, double pedal
- ② **WA91302W** Foot switch, double pedal, wireless
- ③ **WA91303W** Foot switch, single pedal

ESG PLASMA Electrodes

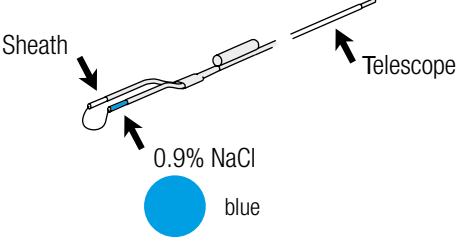
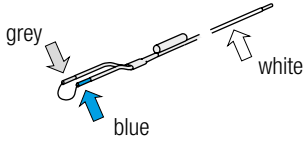

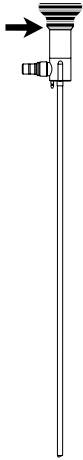
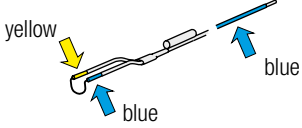

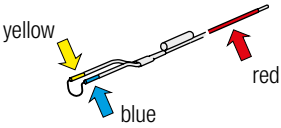


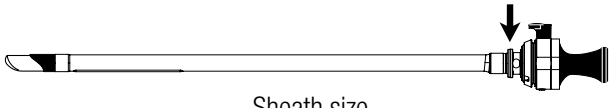
System Chart

System Chart



Selecting a PLASMA Electrode (combined color coding)

Urology

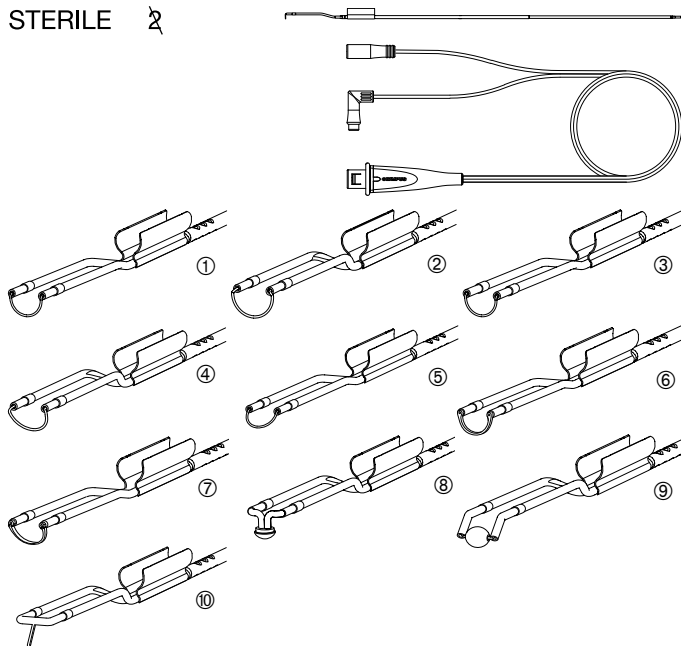
 <p>PLASMA</p>		
 <p>WA22331D, WA22332D, WA22351C, WA22355C, A22261A, A22265C, WA22557C, WA22558C</p>	<p>12° WA2T412A + 30° WA2T430A</p> <p>blue red</p> 	<p>Direction of view</p> 
 <p>WA22301S, WA22302D, WA22503D, WA22521C</p>	<p>12° WA2T412A</p> <p>blue</p> 	
 <p>WA22305D, WA22306D, WA22507D, WA22523C</p>	<p>30° WA2T430A</p> <p>red</p> 	
<p>24 Fr. inner/basic sheath</p> <p>yellow</p> 		
 <p>Sheath size</p>		

ESG PLASMA Electrodes

with sterile cable

**24 Fr. Sterile, Single-Use
26 Fr. HF-Resection Electrodes
27 Fr.**

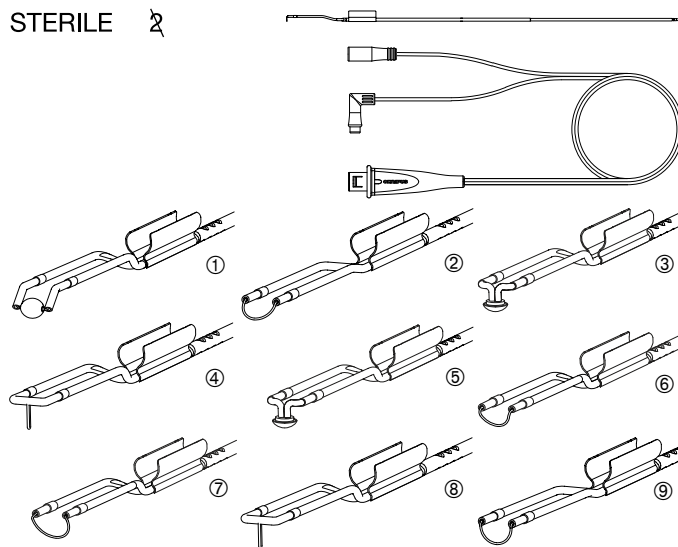
STERILE 



- ① **WA22702S** HF-resection electrode "PlasmaLoop", loop, standard, 24 Fr., 12°/16°, ESG TURis
- ② **WA22703S** HF-resection electrode "PlasmaLoop", large loop, 24 Fr., 12°/16°, ESG TURis
- WA22707S** HF-resection electrode "PlasmaLoop", large loop, 24 Fr., 12°-30°, ESG TURis
- ③ **WA22705S** HF-resection electrode "PlasmaLoop", small loop, 24 Fr., 12°-30°, ESG TURis
- ④ **WA22706S** HF-resection electrode "PlasmaLoop", angled loop, standard, 24 Fr., 12°-30°, ESG TURis
- ⑤ **WA22732S** HF-resection electrode "PlasmaLoop", angled loop, standard, 24 Fr., 12°-30°, ESG TURis
- ⑥ **WA22721S** HF-resection electrode "PlasmaBand", band, standard, 24 Fr., 12°/16°, ESG TURis
- ⑦ **WA22723S** HF-resection electrode "PlasmaBand", band, standard, 24 Fr., 12°-30°, ESG TURis
- ⑧ **WA22760S** HF-resection electrode "PlasmaButton", button, 24 Fr., 12°-30°, ESG TURis
- ⑨ **WA22751S** HF-resection electrode "PlasmaRoller", roller, 24 Fr., 12°-30°, ESG TURis
- ⑩ **WA22755S** HF-resection electrode "PlasmaNeedle", angled needle, 24 Fr., 12°-30°, ESG TURis

**24 Fr. Sterile, Single-Use
26 Fr. HF-Resection Electrodes
27 Fr. (cont.)**

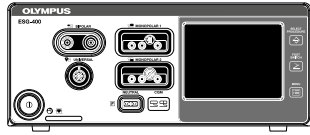
STERILE 



- ① **WA22738S** HF-resection electrode "PlasmaRoller", long roller, 24 Fr., 12°-30°, ESG TURis
- ② **WA22739S** HF-resection electrode "PlasmaLoop", long angled loop, standard, 24 Fr., 12°-30°, ESG TURis
- ③ **WA22766S** HF-resection electrode "Plasma-OvalButton", oval button, 24 Fr., 12°-30°, ESG TURis
- ④ **WA22740S** HF-resection electrode "PlasmaNeedle", right-angled needle, 24 Fr., 12°-30°, ESG TURis
- ⑤ **WA22741S** HF-resection electrode "Plasma-OvalButton", long oval button, 24 Fr., 12°-30°, ESG TURis
- ⑥ **WA22742S** HF-resection electrode "PlasmaLoop", long small loop, 24 Fr., 12°-30°, ESG TURis
- ⑦ **WA22743S** HF-resection electrode "PlasmaLoop", long large loop, 24 Fr., 12°-30°, ESG TURis
- ⑧ **WA22744S** HF-resection electrode "PlasmaNeedle", long right-angled needle, 24 Fr., 12°-30°, ESG TURis
- ⑨ **WA22737S** HF-resection electrode "PlasmaLoop", loop, medium, long, 24 Fr., 12°, ESG TURis

with cable, 5 pieces, sterile, single use

ESG-400



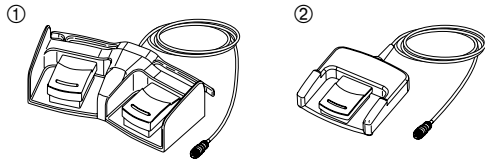
WB91051W	ESG-400 (ROW)
WB91051J	ESG-400 (Japan)
WB91051C	ESG-400 (China)

Delivery includes:

ESG-400, foot switch WB50402W
Power cable must be ordered separately.

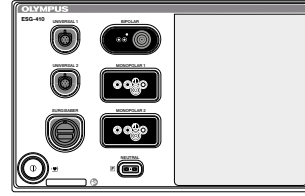
For ESG-400, see page 547.

Foot Switches for ESG-400



① WB50402W	Foot switch, double pedal
② WB50403W	Foot switch, single pedal

ESG-410



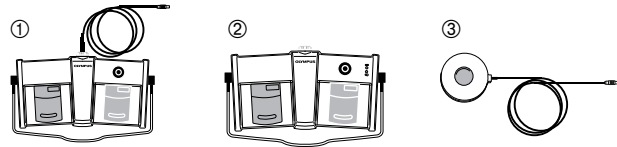
WA91307W	ESG-410 (EU & ROW)
WA91307J	ESG-410 (China)
WA91317J	ESG-410 (Japan)
WA91307C	ESG-410 (US, Canada)

Delivery includes:

ESG-410
Foot switches and power cable must be ordered separately.

For ESG-410, see page 549.

Foot Switches for ESG-410

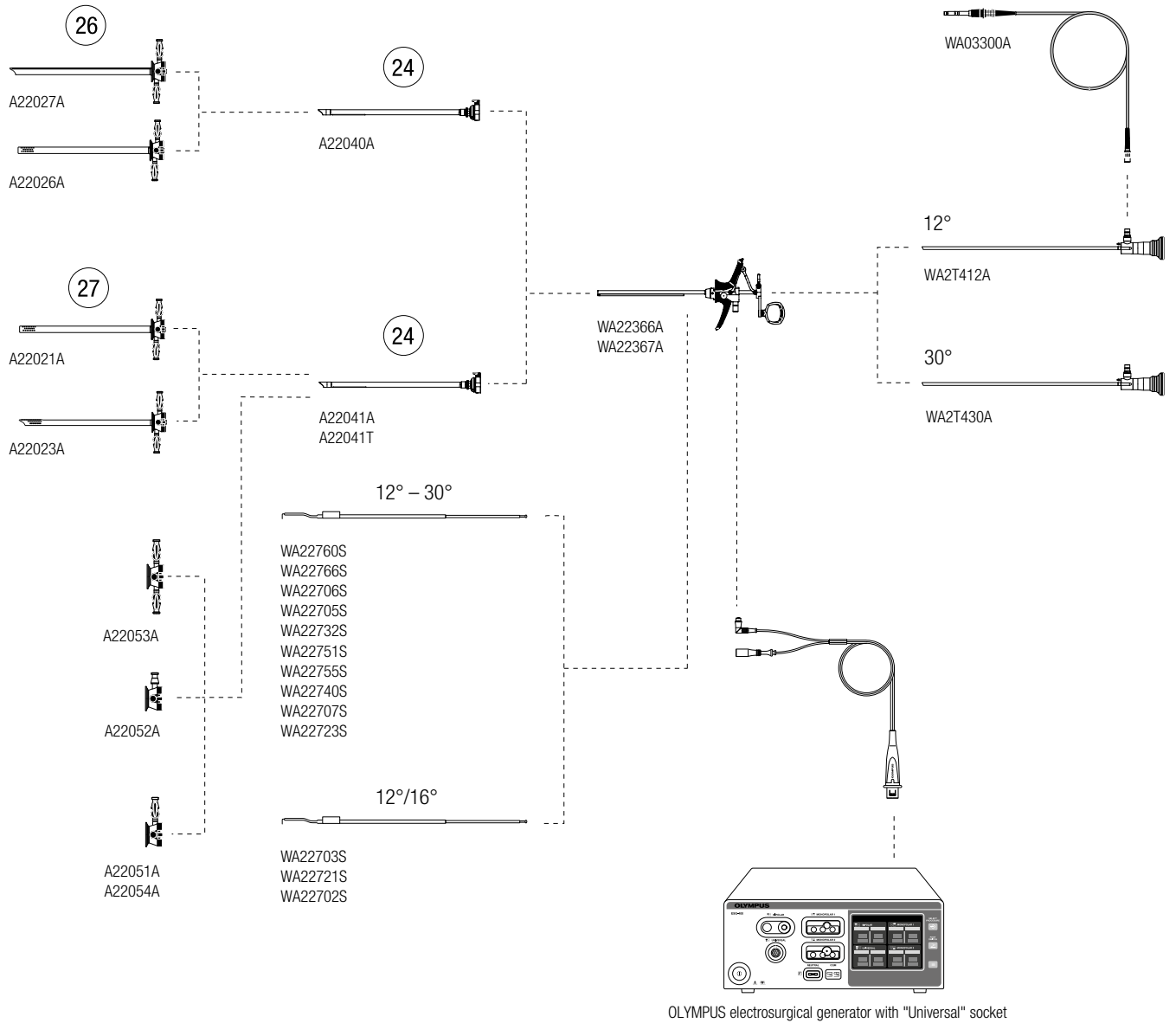


① WA91301W	Foot switch, double pedal
② WA91302W	Foot switch, double pedal, wireless
③ WA91303W	Foot switch, single pedal

ESG PLASMA Electrodes

with sterile cable System Chart

System Chart

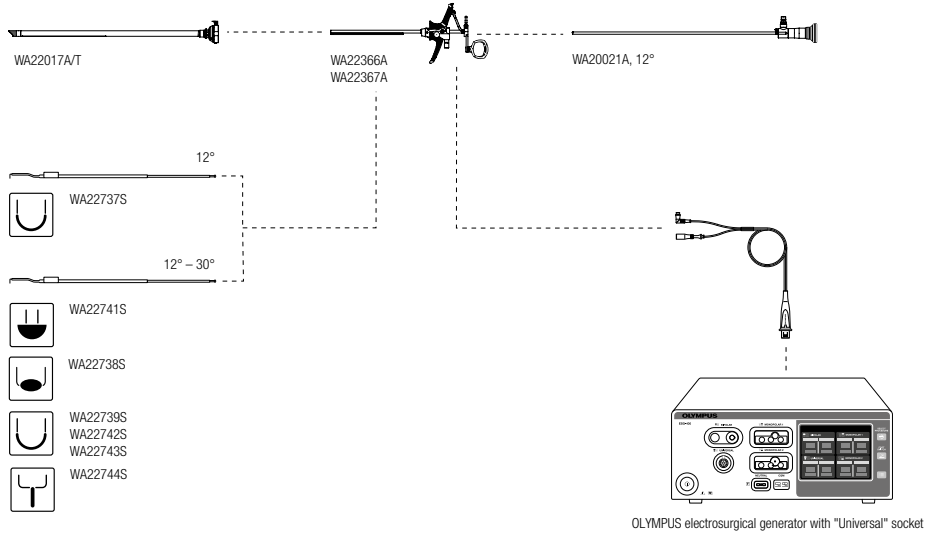


Please refer to your local registration for availability.

ESG PLASMA Electrodes

with sterile cable System Chart

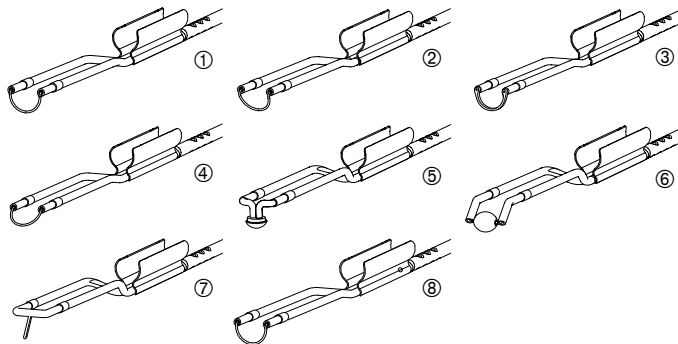
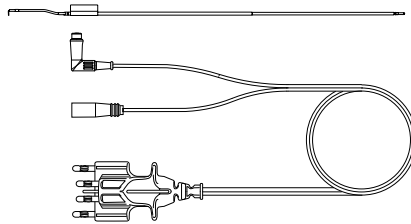
System Chart



PK Technology PLASMA Electrodes

24 Fr. Sterile, Single-Use
26 Fr. HF-Resection Electrodes
27 Fr.

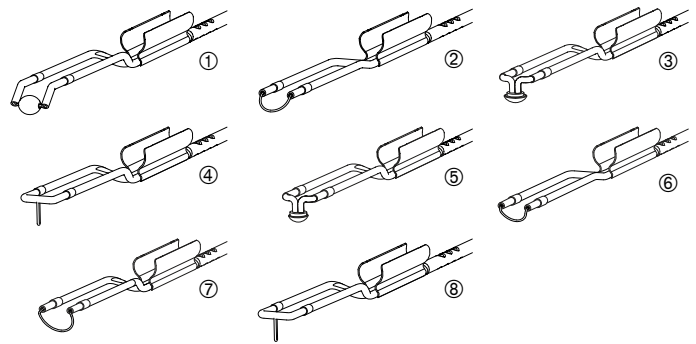
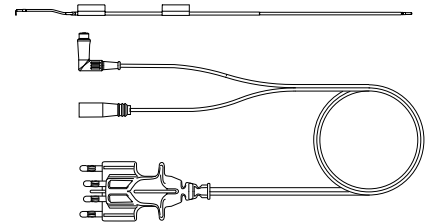
STERILE 



- ① **WA22602S** HF-resection electrode "PlasmaLoop", loop, standard, 24 Fr., 12°/16°, PK TURis
- WA22603S** HF-resection electrode "PlasmaLoop", large loop, 24 Fr., 12°/16°, PK TURis
- WA22605S** HF-resection electrode "PlasmaLoop", small loop, 24 Fr., 12°-30°, PK TURis
- ② **WA22606S** HF-resection electrode "PlasmaLoop", loop, standard, 24 Fr., 12°-30°, PK TURis
- WA22607S** HF-resection electrode "PlasmaLoop", large loop, 24 Fr., 12°-30°, PK TURis
- ③ **WA22621S** HF-resection electrode "PlasmaBand", band, standard, 24 Fr., 12°/16°, PK TURis
- WA22623S** HF-resection electrode "PlasmaBand", band, standard, 24 Fr., 12°-30°, PK TURis
- ④ **WA22632S** HF-resection electrode "PlasmaLoop", angled loop, standard, 24 Fr., 12°-30°, PK TURis
- ⑤ **WA22657S** HF-resection electrode "PlasmaButton", button, 24 Fr., 12°-30°, PK TURis
- ⑥ **WA22651S** HF-resection electrode "PlasmaRoller", roller, 24 Fr., 12°-30°, PK TURis
 - For coagulation only
- ⑦ **WA22655S** HF-resection electrode "PlasmaNeedle", angled needle, 24 Fr., 12°-30°, PK TURis
- ⑧ **WA22637S** HF-resection electrode "PlasmaLoop", long loop, standard, 24 Fr., 12°/16°, PK TURis

24 Fr. Sterile, Single-Use
26 Fr. HF-Resection Electrodes
27 Fr.

STERILE 



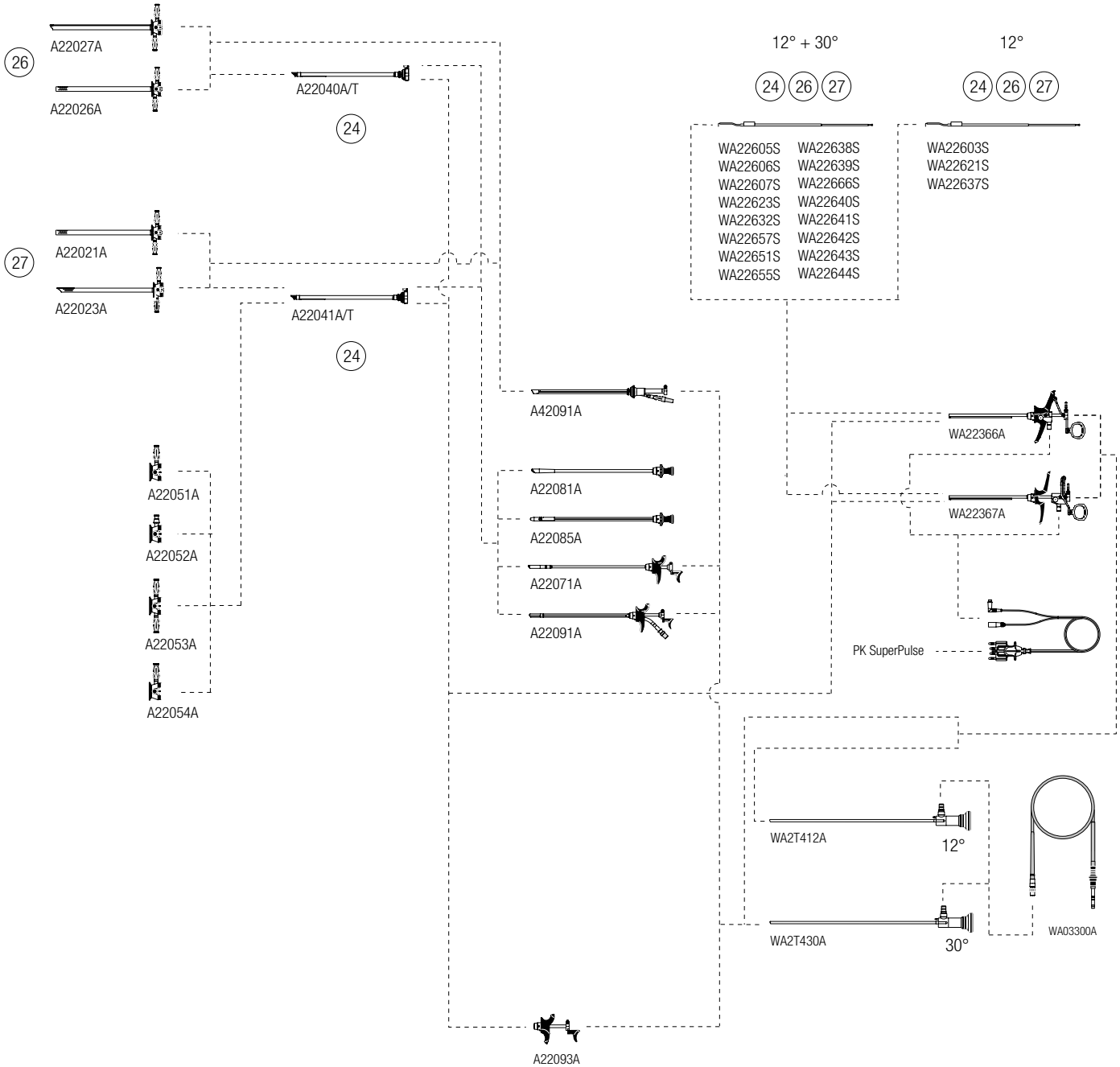
- ① **WA22638S** HF-resection electrode "PlasmaRoller", long roller, 24 Fr., 12°-30°, PK TURis
- ② **WA22639S** HF-resection electrode "PlasmaLoop", long angled loop, standard, 24 Fr., 12°-30°, PK TURis
- ③ **WA22666S** HF-resection electrode "Plasma-OvalButton", oval button, 24 Fr., 12°-30°, PK TURis
- ④ **WA22640S** HF-resection electrode "PlasmaNeedle", right-angled needle, 24 Fr., 12°-30°, PK TURis
- ⑤ **WA22641S** HF-resection electrode "Plasma-OvalButton", long oval button, 24 Fr., 12°-30°, PK TURis
- ⑥ **WA22642S** HF-resection electrode "PlasmaLoop", long small loop, 24 Fr., 12°-30°, PK TURis
- ⑦ **WA22643S** HF-resection electrode "PlasmaLoop", long large loop, 24 Fr., 12°-30°, PK TURis
- ⑧ **WA22644S** HF-resection electrode "PlasmaNeedle", long right-angled needle, 24 Fr., 12°-30°, PK TURis

with cable, 5 pieces, sterile, single use

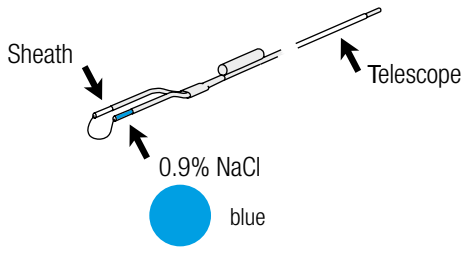
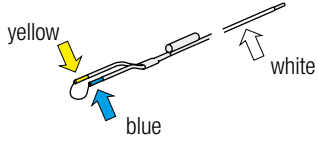
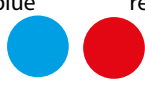

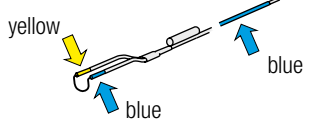



PK Technology PLASMA Electrodes

System Chart

System Chart



Selecting PK Technology HF-Resection Electrode (combined color coding)

 <p>PLASMA</p>		
 <p>WA22607S, WA22605S, WA22606S, WA22623S, WA22632S, WA22657S, WA22651S, WA22655S, WA22666S, WA22640S</p>	<p>12° WA2T412A + 30° WA2T430A</p> <p>blue red</p> 	<p>Direction of view</p> 
 <p>WA22602S, WA22603S, WA22621S</p>	<p>12° WA2T412A</p> <p>blue</p> 	
<p>24 Fr. inner/basic sheath</p> <p>yellow</p> 		
 <p>Sheath size</p>		

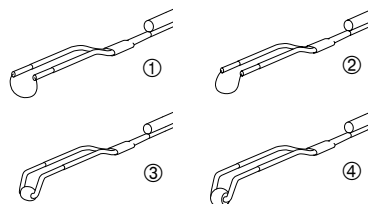
Monopolar HF-Resection Electrodes

Compatible Resection Sheaths

24 Fr.	26 Fr.	28 Fr.	
26 Fr.	28 Fr.		
27 Fr.			
A22041A/T	A22042A/T	-	Compatible resection sheaths

Sterile, Single-Use HF-Resection Electrodes

STERILE 

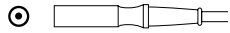


24 Fr.	26 Fr.	28 Fr.	
26 Fr.	28 Fr.		
27 Fr.			
① A22201C	A22202C	A22203C	HF-resection electrode, loop, 12°, 0.35 wire
A22201D	-	-	HF-resection electrode, loop, 12°, 0.2 wire
A22205C	A22206C	A22207C	HF-resection electrode, loop, 30°, 0.35 wire
A22205D	-	-	HF-resection electrode, loop, 30°, 0.2 wire
② A22231C	A22231C	A22231C	HF-resection electrode, angled loop, 0.35 wire, 12° and 30°
③ A22251C	A22251C	A22251C	HF-resection electrode, roller, 12° and 30° <ul style="list-style-type: none"> ▪ For coagulation only
④ A22258C	A22258C	A22258C	HF-resection electrode, roller, large, 12° and 30° <ul style="list-style-type: none"> ▪ For coagulation only

12 pieces, sterile, single use

Please refer to your local registration for availability.

Monopolar HF Cables



A0393	HF cable, monopolar Compatible HF units: ▪ ESG-400 ▪ ESG-410 ▪ Valleylab (new)
A0392	HF cable, monopolar Compatible HF units: ▪ ESG-400 ▪ ESG-410 ▪ Erbe T series ▪ Berchtold
WA00393S	HF cable, monopolar, single use Compatible HF units: ▪ ESG-400 ▪ ESG-410 ▪ UES 40

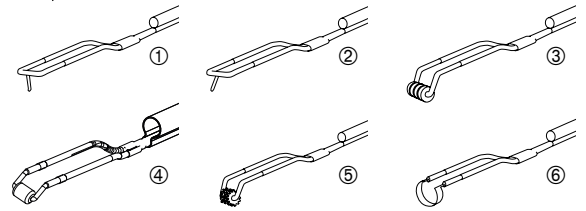
Compatible Resection Sheaths

24 Fr.	26 Fr.	28 Fr.	
26 Fr.	28 Fr.		
27 Fr.			
A22041A/T	A22042A/T	-	Compatible resection sheaths
A22040A/T	-	-	

Please refer to your local registration for availability.

Sterile, Single-Use HF-Resection Electrodes

STERILE



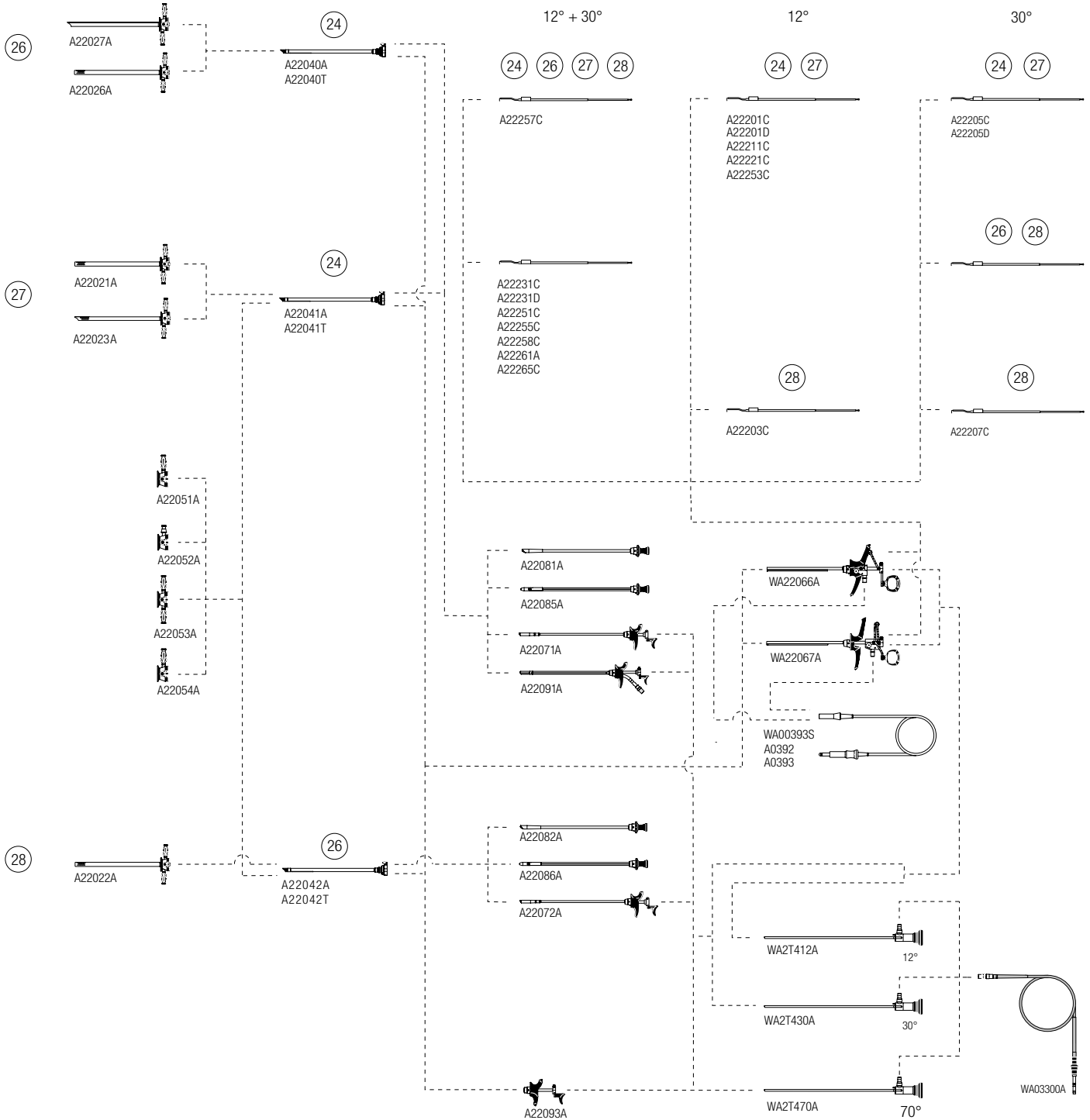
24 Fr.	26 Fr.	28 Fr.	
26 Fr.	28 Fr.		
27 Fr.			
① A22253C	A22253C	A22253C	HF-resection electrode, 90° needle, 12°
② A22255C	A22255C	A22255C	HF-resection electrode, 45° needle, 12° and 30°
③ A22257C	A22257C	A22257C	HF-resection electrode, cylinder, with grooves, for vaporization, 12° and 30°, titanium
④ A22266C	A22266C	A22266C	HF-resection electrode, cylinder, 12° and 30°
⑤ A44728C	A44728C	A44728C	HF-resection electrode, cylinder, with spikes, 12° and 30°
⑥ A22221C	-	-	HF-resection electrode, band, for vaporization, 12°

12 pieces, sterile, single use

Monopolar HF-Resection Electrodes


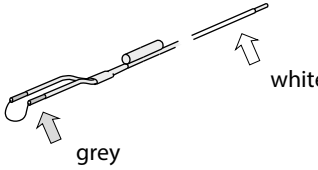

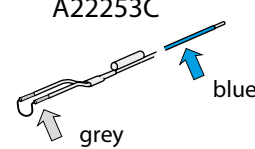

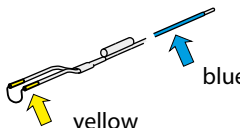
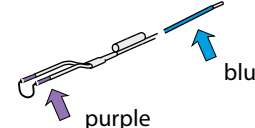

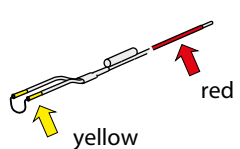
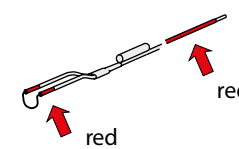
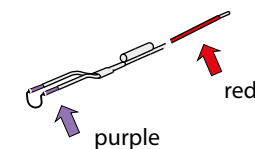



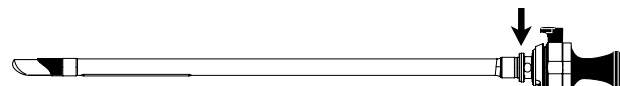
System Chart

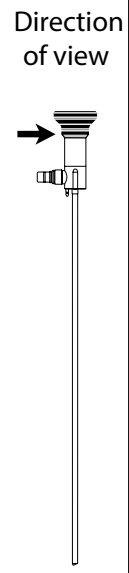
System Chart



Selecting a HF-Resection Electrode (combined color coding)

Urology

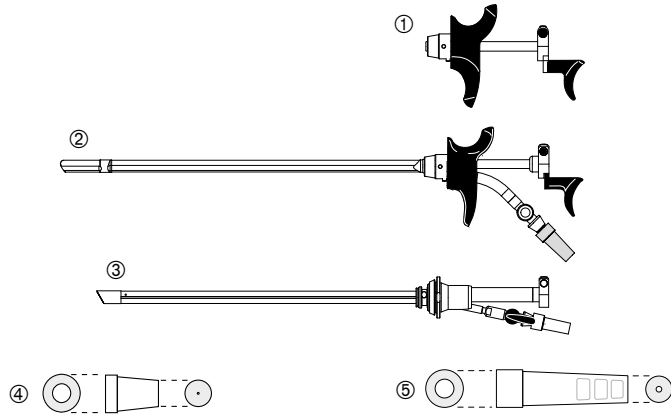
<p>Sheath ↓</p>  <p>Telescope ↓</p>		
 <p>grey white</p> <p>A22231C/-D, A22258A, A22255C, A22257C/-D, A22260C, A22261A, A22265C</p>		<p>12° WA2T412A + 30° WA2T430A</p> <p>blue red</p> 
<p>A22241C A22253C</p>  <p>grey blue</p>		<p>12° WA2T412A</p> <p>blue</p> 
<p>A22211C A22221C</p>  <p>yellow blue</p>	<p>A22203C A22203D</p>  <p>purple blue</p>	<p>12° WA2T412A</p> <p>blue</p> 
<p>A22205C</p>  <p>yellow red</p>	<p>A22206C</p>  <p>red red</p>	<p>A22207C</p>  <p>purple red</p>
<p>24 Fr.</p>  <p>yellow</p>	<p>26 Fr.</p>  <p>red</p>	<p>28 Fr.</p>  <p>purple</p>
 <p>Sheath size</p>		



Accessories

for OES Pro Resectoscopes

Bridge and Working Inserts



① **A22093A** Bridge, for 70° telescope and resectoscope
 ■ For inspection of the bladder
Can be used with 70° telescope WA2T470A in all resection sheaths.

② **A22091A** Working insert, 24 Fr., 6 Fr. channel
 ■ For inner sheaths
 ■ Working inserts for insertion of a ureter catheter

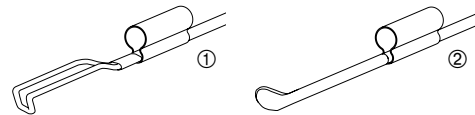
③ **A42091A** Working insert, 8.5 mm, 8 Fr. channel, for A42021A
 ■ For outer sheaths

④ **A0298** Sealing cap, 0.1 mm, 6 pcs.
 ■ Reusable/non-sterile

00131 Sealing cap, 0.7 mm, 10 pcs.
 ■ Reusable/non-sterile

⑤ **A0282** Sealing cap, 7 Fr., 3-ply lamella, 10 pcs.
 ■ Single use/non-sterile

Cold Curette and Knife

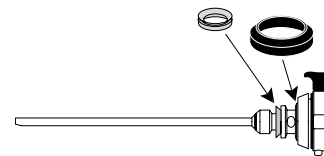


① **A22261A** Curette, 12° and 30°, 1 piece, reusable
 ■ To detach stones from the prostate bed

② **A22265C** Knife, 12° and 30°, 12 pieces, sterile, single use
 ■ For small strictures

To be used without HF current!
 Compatible to all working elements.

Spare Sealing Ring Sets for OES Pro



A00481A Sealing ring, set, yellow, 24 Fr., for resection sheath

A00482A Sealing ring, set, red, 26 Fr., for resection sheath

Sets of spare sealing rings, each containing 2 large and 5 small sealings.

Rotatable Continuous Flow Resectoscope PLASMA, Recommended Set: 26 Fr.

Applications of HF- Resection Electrodes

Electrode Type	Coagulation	Cutting	Vaporization
Loop	+	+	-
Band	+	+	-
Button	+	-	+
Needle	+	+	-
Roller	+	-	-



Recommended Set



Alternatives



Options

Telescope

WA2T412A 1x Telescope, 4 mm, autoclavable, 12°

WA2T430A 1x Telescope, 4 mm, autoclavable, 30°

WA2T470A 1x Telescope, 4 mm, autoclavable, 70°

Light-Guide Cable

WA03300A 1x Light-guide cable

Resection Sheaths

A22040A 1x Inner sheath, standard obturator

A22040T 1x Inner sheath, obturator with deflecting tip

A22041A 1x Inner sheath, standard obturator

A22026A 1x Outer sheath, 26 Fr.

A22021A 1x Outer sheath, 27 Fr.

Working Elements

WA22366A 1x Working element, active

WA22367A 1x Working element, passive

WA00014A 1x HF cable

WA00014A 1x HF cable

Single Use Resection Electrodes

WA22302D 1x HF-resection electrode, 12 pcs., loop, 12°, medium

WA22306D 1x HF-resection electrode, 12 pcs., loop, 30°, medium

WA22301D 1x HF-resection electrode, 12 pcs., loop, 12°, small

WA22503D 1x HF-resection electrode, 12 pcs., loop, 12°, large

WA22507D 1x HF-resection electrode, 12 pcs., loop, 30°, large

WA22305D 1x HF-resection electrode, 12 pcs., loop, 30°, small

WA22332D 1x HF-resection electrode, 12 pcs., angled loop, medium

WA22331D 1x HF-resection electrode, 12 pcs., angled loop, small

WA22355C 1x HF-resection electrode, 12 pcs., 45° needle

WA22521C 1x HF-resection electrode, 12 pcs., band, medium, 12°

WA22523C 1x HF-resection electrode, 12 pcs., band, medium, 30°

WA22566S 1x HF-resection electrode "Plasma-OvalButton", oval button, 24 Fr., 12°-30°, in saline

WA22351C 1x HF-resection electrode, 12 pcs., roller

Accessories**A00481A** 1x Sealing ring, set (spare)**A0556** 1x Syringe, 150 ml**03657** 1x Evacuator, acc. to Ellik**A22093A** 1x Bridge, for 70° telescope**A22091A** 1x Working insert

Rotatable Continuous Flow

Resectoscope Monopolar,
Recommended Set: 26 Fr.**Recommended Set****Alternatives****Options****Telescope****WA2T412A** 1x Telescope, 4 mm,
autoclavable, 12°**WA2T430A** 1x Telescope, 4 mm,
autoclavable, 30°**WA2T470A** 1x Telescope, 4 mm,
autoclavable, 70°**Light-Guide Cable****WA03300A** 1x Light-guide cable**Resection Sheaths****A22040A** 1x Inner sheath,
standard obturator**A22026A** 1x Outer sheath, 26 Fr.**A22040T** 1x Inner sheath,
obturator with deflecting tip**A22021A** 1x Outer sheath, 27 Fr.**A22041A** 1x Inner sheath, 24 Fr**Working Elements****WA22066A** 1x Working element, active**WA00393S** 1x HF cable, monopolar,
ESG-410, ESG-400**WA22067A** 1x Working element, passive**A0392** 1x HF cable, monopolar,
ESG-410, ESG-400,**A22041A** 1x Inner sheath,**A22021A** 1x Outer sheath, 27 Fr.

Single Use Resection Electrodes

A22201C	1x HF-resection electrode, 12 pcs., loop, 12°, 0.35 wire	A22205C	1x HF-resection electrode, 12 pcs., loop, 30°, 0.35 wire	A22201D	1x HF-resection electrode, 12 pcs., loop, 12°, 0.2 wire
A22231C	1x HF-resection electrode, 12 pcs., angled loop, 0.35 wire	A22258C	1x HF-resection electrode, 12 pcs., roller, large	A22205D	1x HF-resection electrode, 12 pcs., loop, 30°, 0.2 wire
A22251C	1x HF-resection electrode, 12 pcs., roller	A22257C	1x HF-resection electrode, 12 pcs., cylinder, titanium	A22241C	1x HF-resection electrode, 12 pcs., angled loop, runner
A22255C	1x HF-resection electrode, 12 pcs., 45° needle			A22253C	1x HF-resection electrode, 12 pcs., 90° needle
A22221C	1x HF-resection electrode, 12 pcs., band, 12°				

Accessories

A00481A	1x Sealing ring, set (spare)			A22093A	1x Bridge, for 70° telescope
A0556	1x Syringe, 150 ml	O3657	1x Evacuator, acc. to Ellik	A22091A	1x Working insert

Standard Resectoscope

24 Fr., PLASMA
Recommended Set**Recommended Set****Alternatives****Options****Telescope****WA2T412A** 1x Telescope, 4 mm,
autoclavable, 12°**WA2T430A** 1x Telescope, 4 mm,
autoclavable, 30°**WA2T470A** 1x Telescope, 4 mm,
autoclavable, 70°**Light-Guide Cable****WA03300A** 1x Light-guide cable**Resection Sheaths****A22041A** 1x Resection sheath, 24 Fr.,
standard obturator**A22041T** 1x Resection sheath, 24 Fr.,
obturator with deflecting tip**A22051A** 1x Irrigation port,
1 stopcock, rotatable**A22052A** 1x Irrigation port,
1 Luer-lock, rotatable**A22053A** 1x Irrigation port,
2 stopcocks, rotatable**A22054A** 1x Irrigation port,
1 vertical stopcock, fixed**Working Elements****WA22366A** 1x Working element, active**WA22367A** 1x Working element, passive**WA00014A** 1x HF cable**WA00014A** 1x HF cable

Single Use Resection Electrodes

WA22302D	1x HF-resection electrode, 12 pcs., loop, 12°, medium	WA22306D	1x HF-resection electrode, 12 pcs., loop, 30°, medium	WA22301D	1x HF-resection electrode, 12 pcs., loop, 12°, small
WA22332D	1x HF-resection electrode, 12 pcs., angled loop, medium	WA22503D	1x HF-resection electrode, 12 pcs., loop, 12°, large	WA22305D	1x HF-resection electrode, 12 pcs., loop, 30°, small
WA22351C	1x HF-resection electrode, 12 pcs., roller	WA22507D	1x HF-resection electrode, 12 pcs., loop, 30°, large	WA22331D	1x HF-resection electrode, 12 pcs., angled loop, small
WA22355C	1x HF-resection electrode, 12 pcs., 45° needle			WA22521C	1x HF-resection electrode, 12 pcs., band, medium, 12°
				WA22523C	1x HF-resection electrode, 12 pcs., band, medium, 30°
				WA22557C	1x HF-resection electrode, 12 pcs., button, for plasma vaporization

Accessories

A00481A	1x Sealing ring, set (spare)			A22093A	1x Bridge, for 70° telescope
A0556	1x Syringe, 150 ml	03657	1x Evacuator, acc. to Ellik	A22091A	1x Working insert

Standard Resectoscope

24 Fr., Monopolar
Recommended Set



Recommended Set



Alternatives



Options

Telescope

WA2T412A 1x Telescope, 4 mm,
autoclavable, 12°

WA2T430A 1x Telescope, 4 mm,
autoclavable, 30°

WA2T470A 1x Telescope, 4 mm,
autoclavable, 70°

Light-Guide Cable

WA03300A 1x Light-guide cable

Resection Sheaths

A22041A 1x Resection sheath, 24 Fr.,
standard obturator

A22041T 1x Resection sheath, 24 Fr.,
obturator with deflecting tip

A22051A 1x Irrigation port,
1 stopcock, rotatable

A22052A 1x Irrigation port,
1 Luer-lock, rotatable

A22053A 1x Irrigation port,
2 stopcocks, rotatable

A22054A 1x Irrigation port,
1 vertical stopcock, fixed

Working Elements

WA22066A 1x Working element, active

WA22067A 1x Working element, passive

A0393 1x HF cable, monopolar,
ESG-410, ESG-400,
Valleylab

WA00393S 1x HF cable, monopolar,
ESG-410, ESG-400, UES-40

A0392 1x HF cable, monopolar,
ESG-410, ESG-400,
Erbe T series, Berchtold

Single Use Resection Electrodes

A22201C	1x HF-resection electrode, 12 pcs., loop, 12°, 0.35 wire
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A22231C	1x HF-resection electrode, 12 pcs., angled loop, 0.35 wire
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A22251C	1x HF-resection electrode, 12 pcs., roller
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A22255C	1x HF-resection electrode, 12 pcs., 45° needle
----------------	--

A22221C	1x HF-resection electrode, 12 pcs., band, 12°
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Accessories

A00481A	1x Sealing ring, set (spare)
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A0556	1x Syringe, 150 ml
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A22205C	1x HF-resection electrode, 12 pcs., loop, 30°, 0.35 wire
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A22258C	1x HF-resection electrode, 12 pcs., roller, large
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A22257C	1x HF-resection electrode, 12 pcs., cylinder, titanium
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03657	1x Evacuator, acc. to Ellik
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A22201D	1x HF-resection electrode, 12 pcs., loop, 12°, 0.2 wire
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A22205D	1x HF-resection electrode, 12 pcs., loop, 30°, 0.2 wire
----------------	---

A22241C	1x HF-resection electrode, 12 pcs., angled loop, runner
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A22253C	1x HF-resection electrode, 12 pcs., 90° needle
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A22093A	1x Bridge, for 70° telescope
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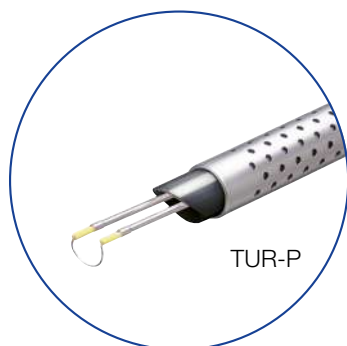
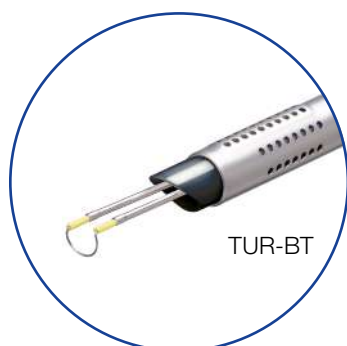
A22091A	1x Working insert
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A42091A	1x Working insert
----------------	-------------------

A22071A	1x Obturator, optical
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Long Resectoscope

OES Pro



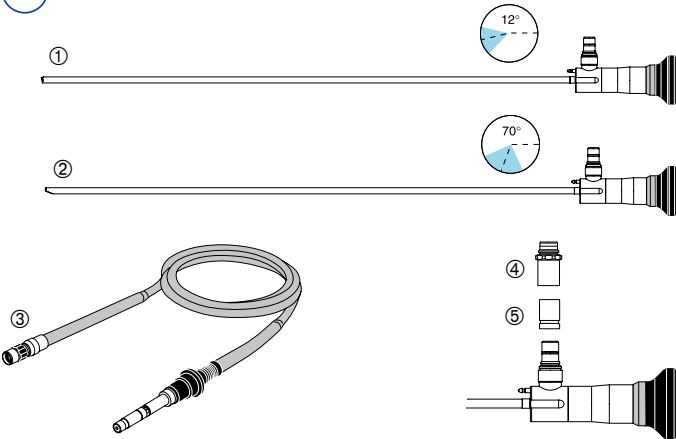
PLASMA+



- The long resectoscope was developed for the resection of bladder tumors as well as for interventions in patients with long urethras and semi-flexible penis implants.
- The long resectoscope with its continuous flow system gives improved visualization and low pressure conditions.
- Two different, specially adapted outer sheaths allow for tumor resection in the bladder and for resection in the prostate.
- The modular design of the long resectoscope allows for 24 Fr. single flow or 27 Fr. continuous flow system use.
- For monopolar resection and resection in saline (PLASMA+).

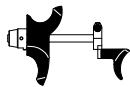
Long Telescopes

autoclave



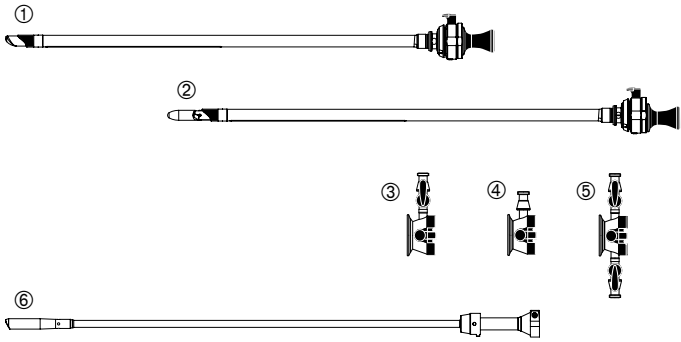
- ① **WA20021A** Telescope, 4 mm, 12°, long
- ② **WA20023A** Telescope, 4 mm, 70°, long
To be used in connection with bridge A22093A.
- ③ **WA03300A** Light-guide cable, 2.8 mm, 3 m, CF type
- ④ **A0460** Light-guide adapter, for OES 4000 light-guide cable
- ⑤ **00332** Light-guide adapter, for Wolf light-guide cable

Bridge



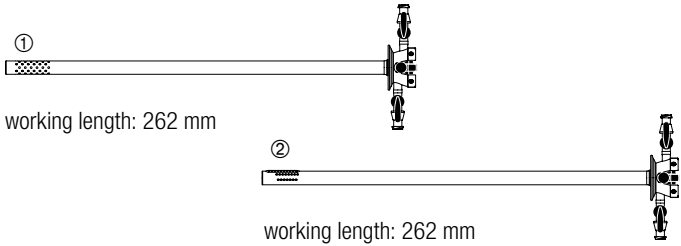
- A22093A** Bridge, for 70° telescope and resectoscope
For inspection of the bladder with telescope WA20023A

24 Fr. Standard Inner Sheaths



- ① **WA22017A** Inner sheath, long, for WA22018A and WA22019A
▪ 24 Fr., incl. standard obturator
- ② **WA22017T** Inner sheath, long, for WA22018A and WA22019A, with deflecting tip obturator
▪ 24 Fr.
- ③ **A22051A** Irrigation port, for resection sheaths, 1 stopcock, rotatable
- A22054A** Irrigation port, for resection sheaths, 1 vertical stopcock, fixed
- ④ **A22052A** Irrigation port, for resection sheaths, 1 Luer-lock connector, rotatable
- ⑤ **A22053A** Irrigation port, for resection sheaths, 2 stopcocks, rotatable
- ⑥ **WA22016A** Obturator, optical, 24 Fr., long for telescope WA20021A

27 Fr. Outer Sheaths

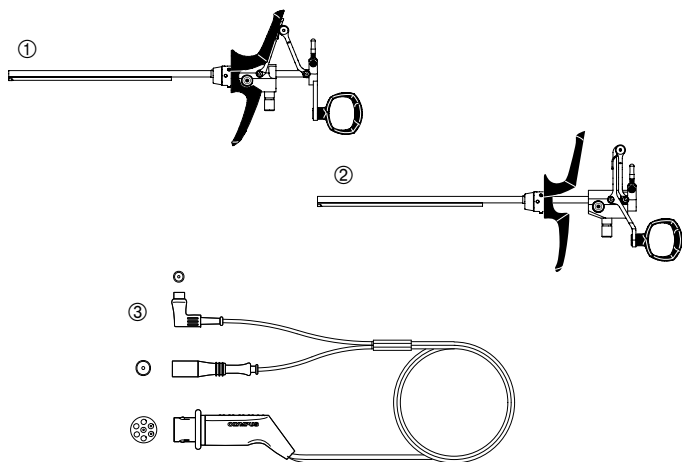


- ① **WA22018A** Outer sheath, 27 Fr., long, rotatable, for tumor resection
- ② **WA22019A** Outer sheath, 27 Fr., long, rotatable
▪ For resection of prostatic tissue

Long Resectoscope

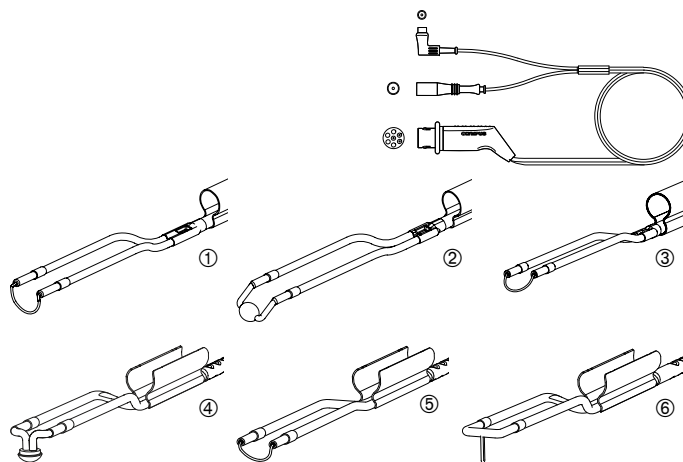
OES Pro
(cont.)

PLASMA Working Elements



- ① **WA22366A** Working element, for resection in saline, active
- ② **WA22367A** Working element, for resection in saline, passive
- ③ **WA00014A** HF cable, bipolar, for ESG-400 / ESG-410 SALINE mode

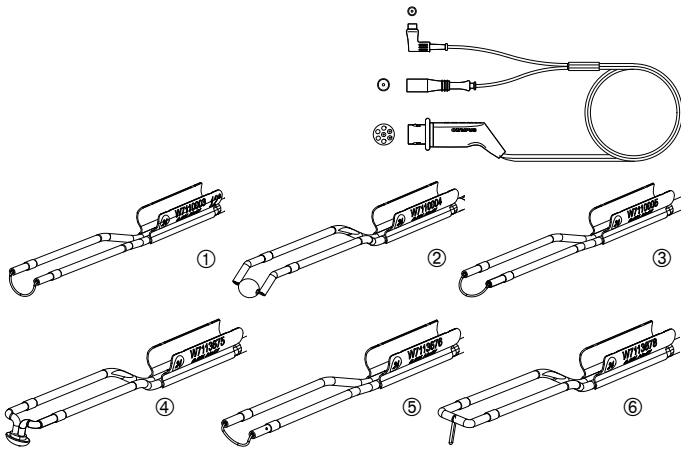
ESG PLASMA Electrodes



- ① **WA22537D** HF-resection electrode, loop, 24 Fr., 0.2 wire, medium, 12°, long, sterile, single use, 12 pcs., for TURis
- ② **WA22538C** HF-resection electrode, roller, 24-28 Fr., 12° and 30°, long, sterile, single use, 12 pcs., for TURis
- ③ **WA22539D** HF-resection electrode, loop, 24-28 Fr., 0.2 wire, medium, 45° angled, 12° and 30°, long, sterile, single use, 12 pcs., for TURis
- ④ **WA22541S** HF-resection electrode "Plasma-OvalButton", long oval button, 24 Fr., 12°-30°, in saline
- ⑤ **WA22542S** HF-resection electrode "PlasmaLoop", long small loop, 24 Fr., 12°-30°, in saline
- ⑥ **WA22544S** HF-resection electrode "PlasmaNeedle", long right-angled needle, 24 Fr., 12°-30°, in saline

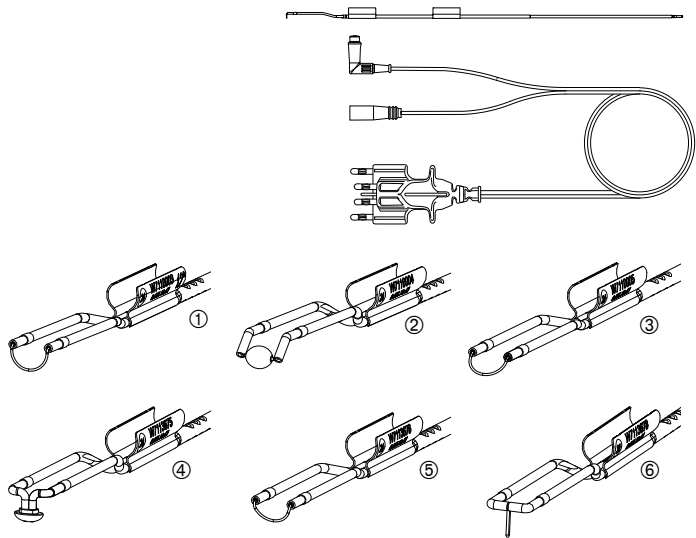
Please refer to your local registration for availability.

ESG PLASMA Electrodes wit sterile cable



- ① **WA22737S** HF-resection electrode "PlasmaLoop", loop, medium, long, 24 Fr., 12°, ESG TURis
- ② **WA22738S** HF-resection electrode "PlasmaRoller", roller, long, 24 Fr., 12°-30°, ESG TURis
- ③ **WA22739S** HF-resection electrode "PlasmaLoop", loop, medium, long, angled, 24 Fr., 12°-30°, ESG TURis
- ④ **WA22741S** HF-resection electrode "Plasma-OvalButton", button, oval, long, 24 Fr., 12°-30°, ESG TURis
- ⑤ **WA22742S** HF-resection electrode "PlasmaLoop", loop, small, long, 24 Fr., 12°-30°, ESG TURis
- ⑥ **WA22744S** HF-resection electrode "PlasmaNeedle", needle, long, right-angled, 24 Fr., 12°-30°, ESG TURis

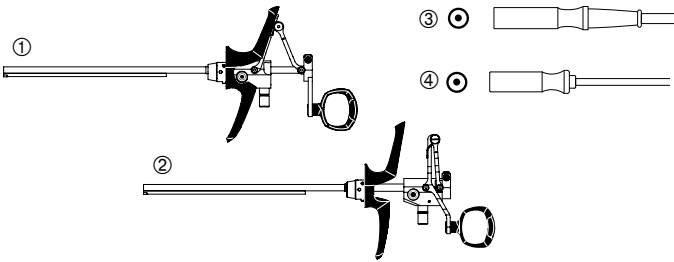
PK PLASMA Electrodes



- ① **WA22637S** HF-resection electrode "PlasmaLoop", loop, medium, long, 24 Fr., 12°, PK TURis
- ② **WA22638S** HF-resection electrode "PlasmaRoller", roller, long, 24 Fr., 12°-30°, PK TURis
- ③ **WA22639S** HF-resection electrode "PlasmaLoop", loop, medium, long, angled, 24 Fr., 12°-30°, PK TURis
- ④ **WA22641S** HF-resection electrode "Plasma-OvalButton", button, oval, long, 24 Fr., 12°-30°, PK TURis
- ⑤ **WA22642S** HF-resection electrode "PlasmaLoop", loop, small, long, 24 Fr., 12°-30°, PK TURis
- ⑥ **WA22644S** HF-resection electrode "PlasmaNeedle", needle, long, right-angled, 24 Fr., 12°-30°, PK TURis

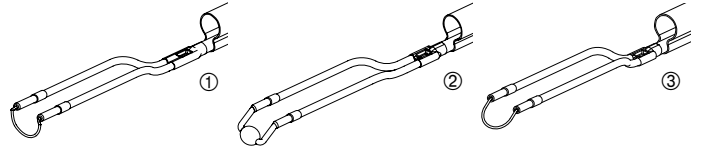
Please refer to your local registration for availability.

Monopolar Working Elements



- ① **WA22066A** Working element, active
- ② **WA22067A** Working element, passive
- ③ **A0393** HF cable, monopolar
Compatible HF units:
 - ESG-400
 - ESG-410
 - Valleylab (new)
- A0392** HF cable, monopolar
Compatible HF units:
 - ESG-400
 - ESG-410
 - Erbe T series
 - Berchtold
- ④ **WA00393S** HF cable, monopolar, single use
Compatible HF units:
 - ESG-400
 - ESG-410
 - UES-40

Monopolar HF-Resection Electrodes



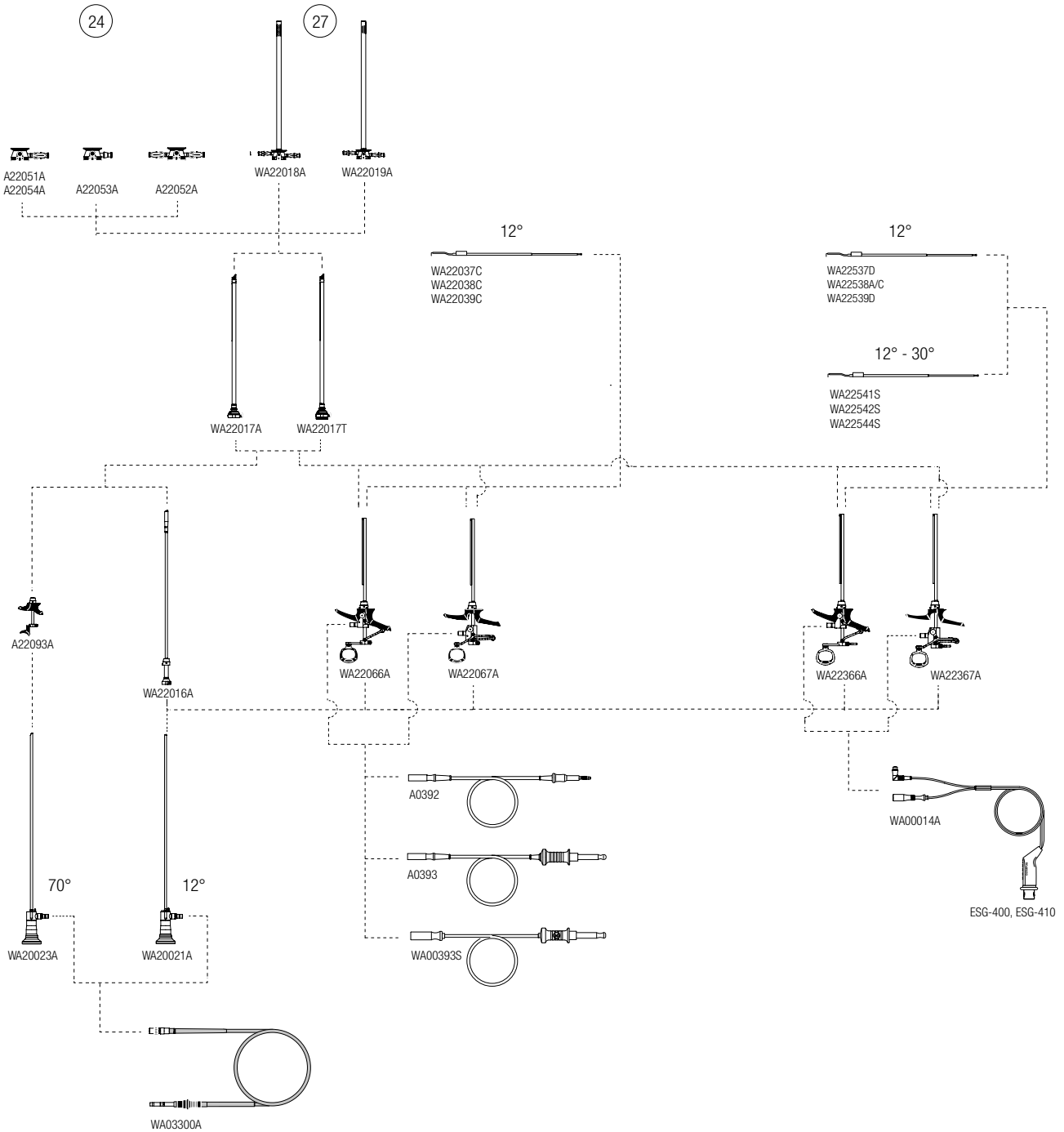
- ① **WA22037C** HF-resection electrode, loop, 12°, sterile, single use, 12 pcs.
- ② **WA22038C** HF-resection electrode, roller, 12°, sterile, single use, 12 pcs.
 - For coagulation only
- ③ **WA22039C** HF-resection electrode, angled loop, 12°, sterile, single use, 12 pcs.

Please refer to your local registration for availability.

Long Resectoscope

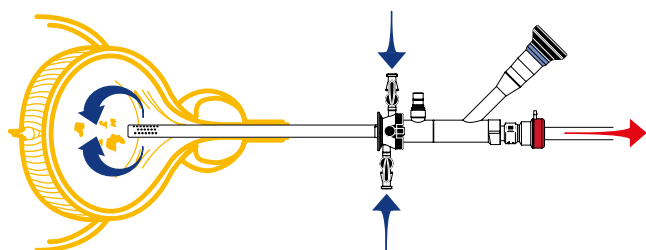
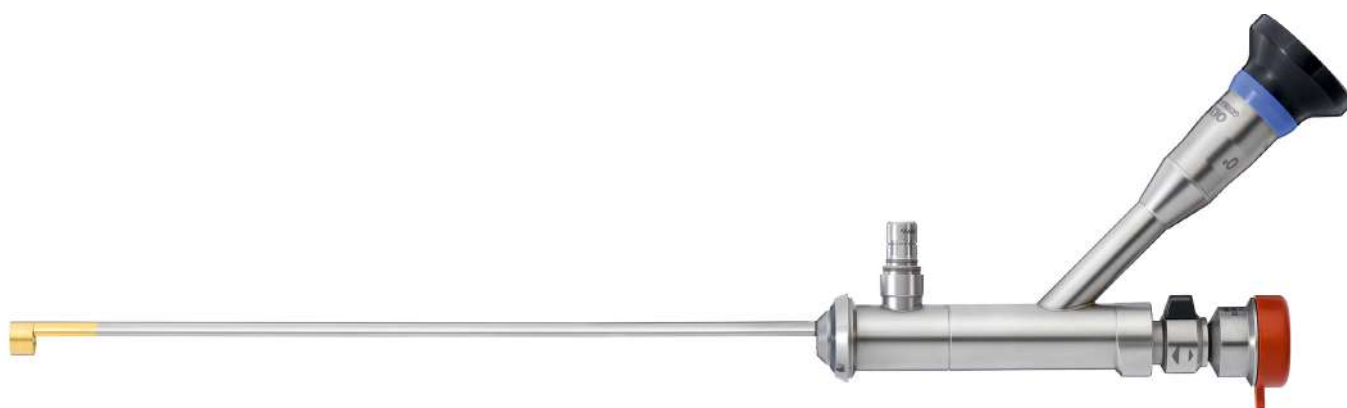
OES Pro System Chart

System Chart



Morcellator Telescope

for Enucleation Procedures



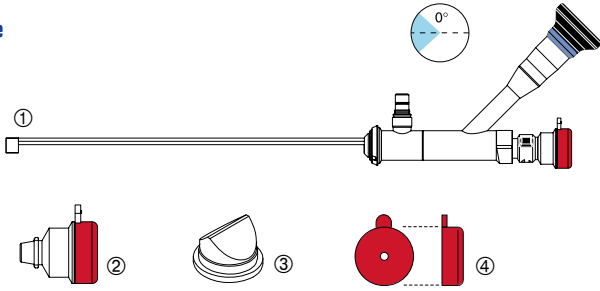
The morcellator telescope was specially designed for the morcellation as part of enucleation procedures, e.g. with PLASMA or Laser.

- Unique patent protected tip design leads to a circulating flow which allows an easy catching of tissue parts.
- High inflow through both stopcocks also decreases the risk of bladder wall perforation.
- 0° direction of view with superior image quality
- 5 mm working channel for all common morcellators
- Only one sheath is required for enucleation and morcellation due to compatibility with standard rotatable outer sheaths.



Morcellator Telescope

autoclave



- ① **WA31000A** OP telescope,
0°, 5 mm channel
Delivery includes:
Telescope, attachment WA31001A,
3 spare valves, 3 sealing caps

- ② **WA31001A** Attachment,
with automatic valve, for WA31000A
Delivery includes:
3 spare valves and 3 sealing caps

- ③ **A4559** Valve,
transparent, 10 pcs.

- ④ **A5857** Sealing cap,
3 mm, red, 10 pcs.
■ Reusable/non-sterile

Sheaths

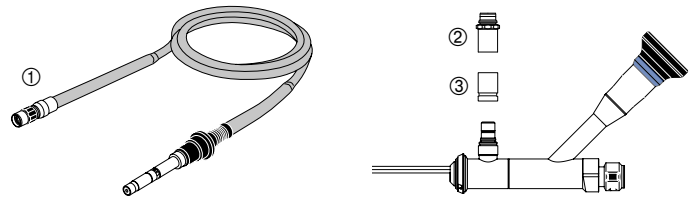


- A22026A** Outer sheath, 2 stopcocks, rotatable, 26 Fr.

- A22021A** Outer sheath, 2 stopcocks, rotatable, 27 Fr.

- A22022A** Outer sheath, 2 stopcocks, rotatable, 28 Fr.

Light-Guide Cable

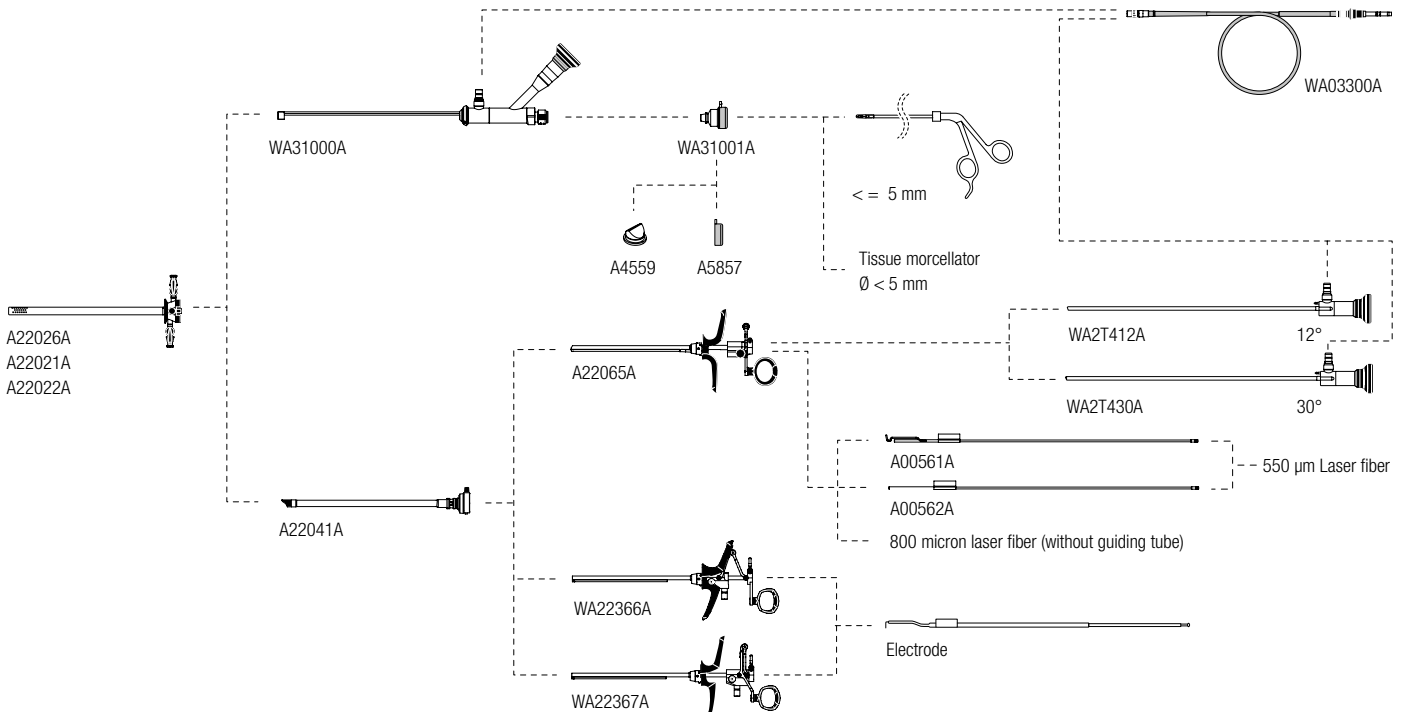


- ① **WA03300A** Light-guide cable, 2.8 mm, 3 m, CF type

- ② **A0460** Light-guide adapter, for OES 4000 light-guide cable

- ③ **O0332** Light-guide adapter, for Wolf light-guide cable

System Chart



Laser Resectoscope

OES Pro

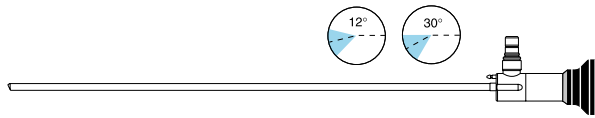


The working element A22065A gives safe guidance for Laser Enucleation (HoLEP and ThuLEP) and bulking agents injection such as botox, collagene and teflon.

- Impressive working length of 194 mm
- Easy assembly and disassembly due to Olympus Logical-Locking-System (LLS)
- Maintenance free stopcocks
- Different rotatable and fixed stopcocks available



Telescopes



WA2T412A Telescope "OES ELITE", 4 mm, HD, autoclavable, 12°

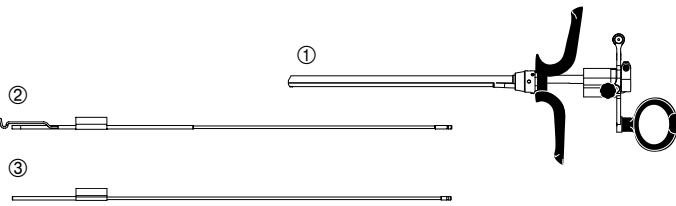
WA2T430A Telescope "OES ELITE", 4 mm, HD, autoclavable, 30°

Delivery includes:

protective tube WA2P400A

For light-guide cables and adapters, see page 102.

Working Element



① A22065A Working element, for probes

① Technical Data

Diameter of working channel 6 Fr.
 Minimal length of injection needle 350 mm
 Recommended maximum diameter of laser probes 1.2 mm

② A00561A Guiding tube, for probes, with retractor

- For laser fibres up to 550 micron

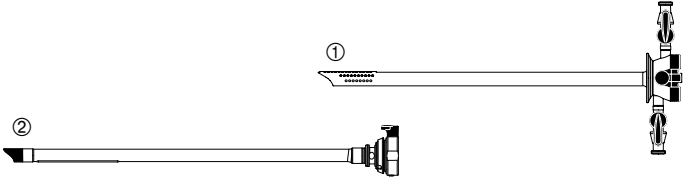
③ A00562A Guiding tube, for probes, without retractor

- For laser fibres up to 550 micron

② ③ Technical Data

Total working length 420 mm
 Distal section 1.2 x 320 mm
 Proximal section 2.8 x 100 mm

Resection Sheaths (Selection)



① A22040A Inner sheath, for A22026A, A22027A

A22041A Inner sheath, for A22021A, A22023A

A22042A Inner sheath, for A22022A

② A22027A Outer sheath, 26 Fr., 2 vertical stopcocks, fixed

A22026A Outer sheath, 26 Fr., 2 stopcocks, rotatable

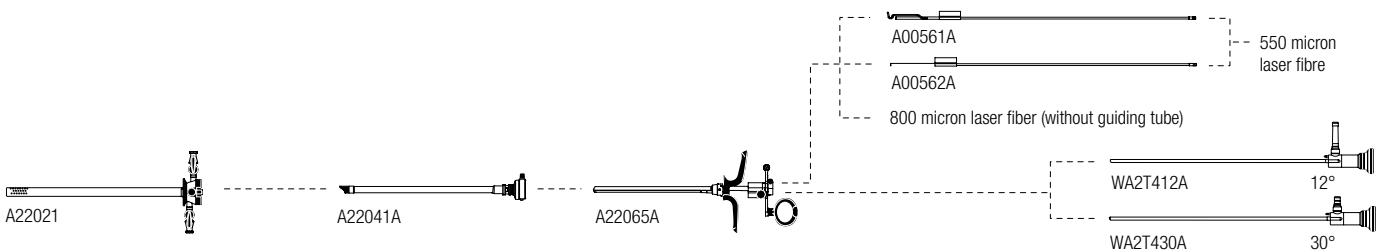
A22023A Outer sheath, 27 Fr., 2 vertical stopcocks, fixed

A22021A Outer sheath, 27 Fr., 2 stopcocks, rotatable

A22022A Outer sheath, 28 Fr., 2 stopcocks, rotatable

Compatible to all OES Pro resection sheaths.

System Chart



Side-Fire Laser Cystoscope

for Vaporization of the Prostate

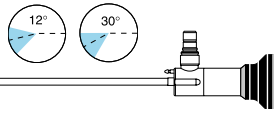


The 22.5 Fr. OES Pro continuous flow laser-cystoscope is especially designed for side-fire laser treatment of the prostate.

- High-flow working insert for both, GreenLight procedures or holmium laser ablation of the prostate
- Special designed working insert for maximum control of the laser fiber thanks to separate guidance channel
- Laser control adapter for GreenLight fiber up to 2000 micron to ensure best longitudinal control
- Good visual control over the laser effect on the tissue throughout the whole procedure



Telescopes



WA2T412A Telescope "OES ELITE", 4 mm, HD, autoclavable, 12°

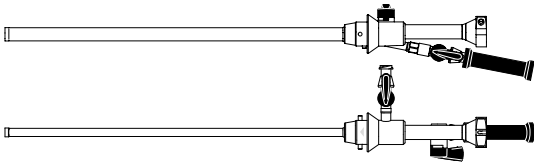
WA2T430A Telescope "OES ELITE", 4 mm, HD, autoclavable, 30°

Delivery includes:

protective tube WA2P400A.

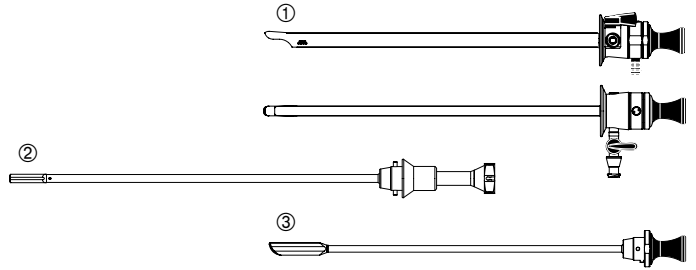
For light-guide cables and adapters, see page 102.

Inner Sheaths



WA22850A Inner sheath, high flow, for WA22810A, 8 Fr. channel

Outer Sheath



① **WA22810A** Outer sheath, 22.5 Fr.
 ■ With standard obturator WA22840A

② **WA22830A** Obturator, optical, for WA22810A

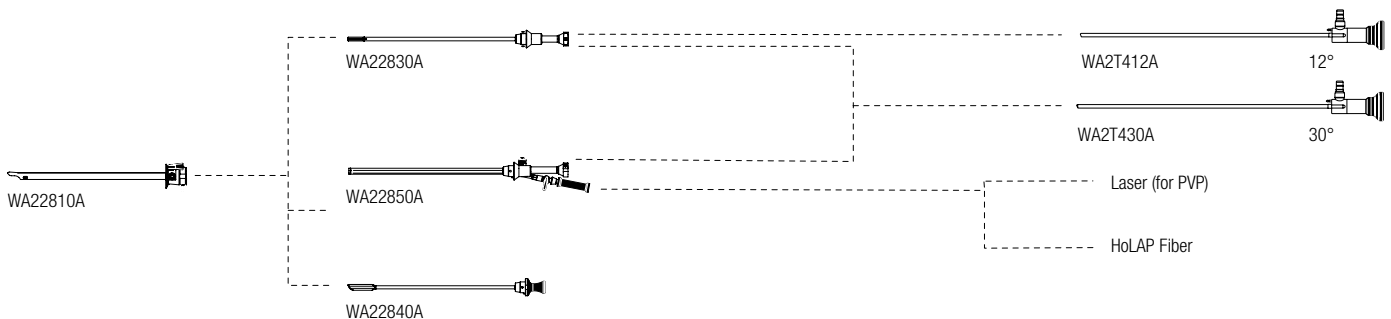
③ **WA22840A** Obturator, 22.5 Fr., for WA22810A

Accessories



A0286 Sealing cap, kink protection, 0.4 mm, black, 6 pcs.
 ■ Reusable/non-sterile

System Chart



Side-Fire Laser Treatment

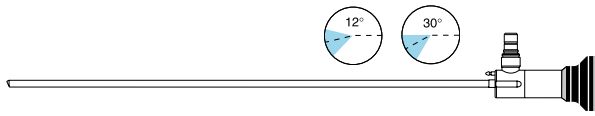
with Resection Sheath
OES Pro



- Side-Fire laser treatment with OES Pro resection sheath
- 26 Fr. continuous flow sheath
- 8 Fr. channel
- For GreenLight and HoLAP



Telescopes

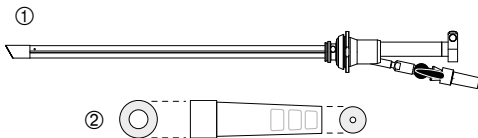


WA2T412A	Telescope "OES ELITE", 4 mm, HD, autoclavable, 12°
WA2T430A	Telescope "OES ELITE", 4 mm, HD, autoclavable, 30°

Delivery includes:
protective tube WA2P400A.

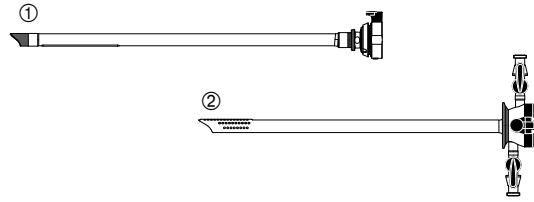
For light-guide cables and adapters, see page 102.

Working Insert



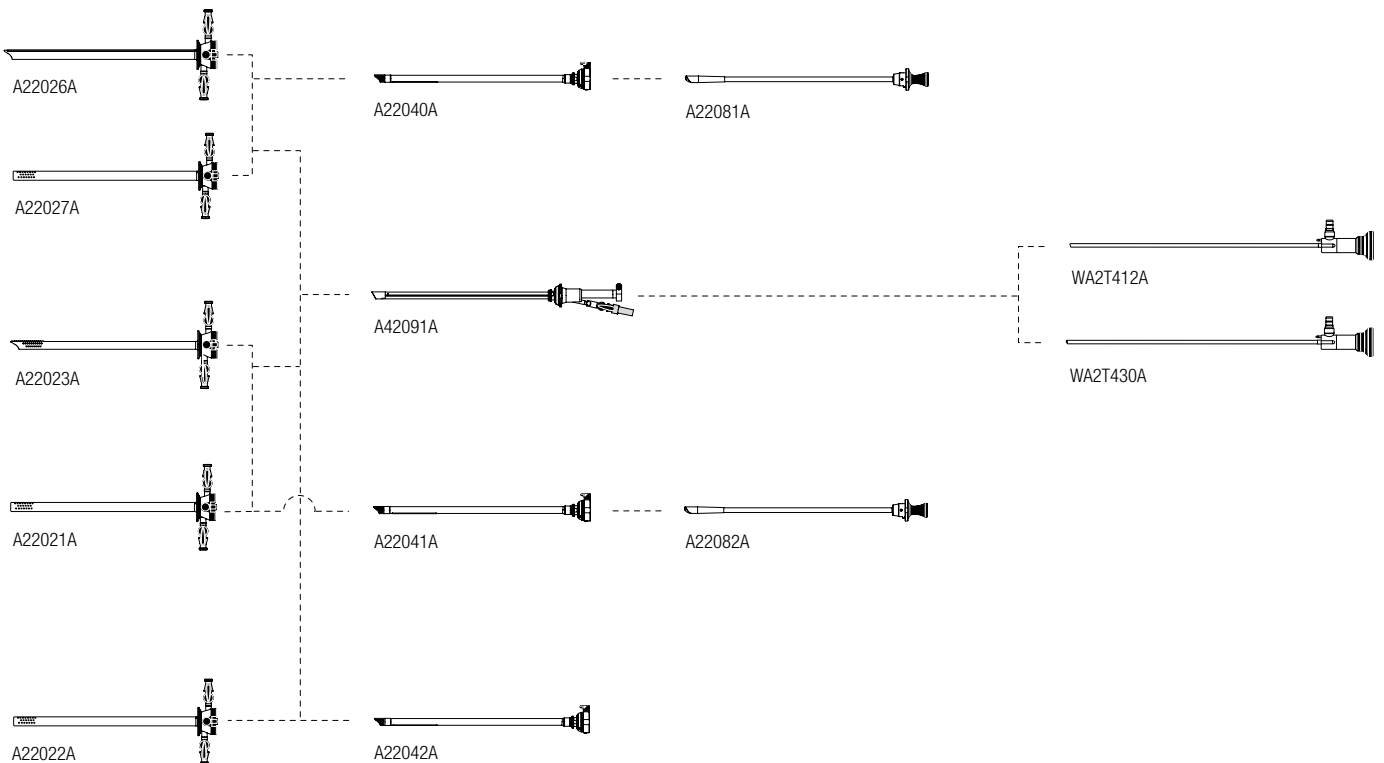
① A42091A	Working insert, 8.5 Fr., 8 Fr. channel, for A42021A <i>Compatible to all OES Pro resection sheaths.</i>
② A0282	Sealing cap, kink protection, 7 Fr., 3-ply lamella, 10 pcs. ▪ Single use/non-sterile

Resection Sheaths (Selection)



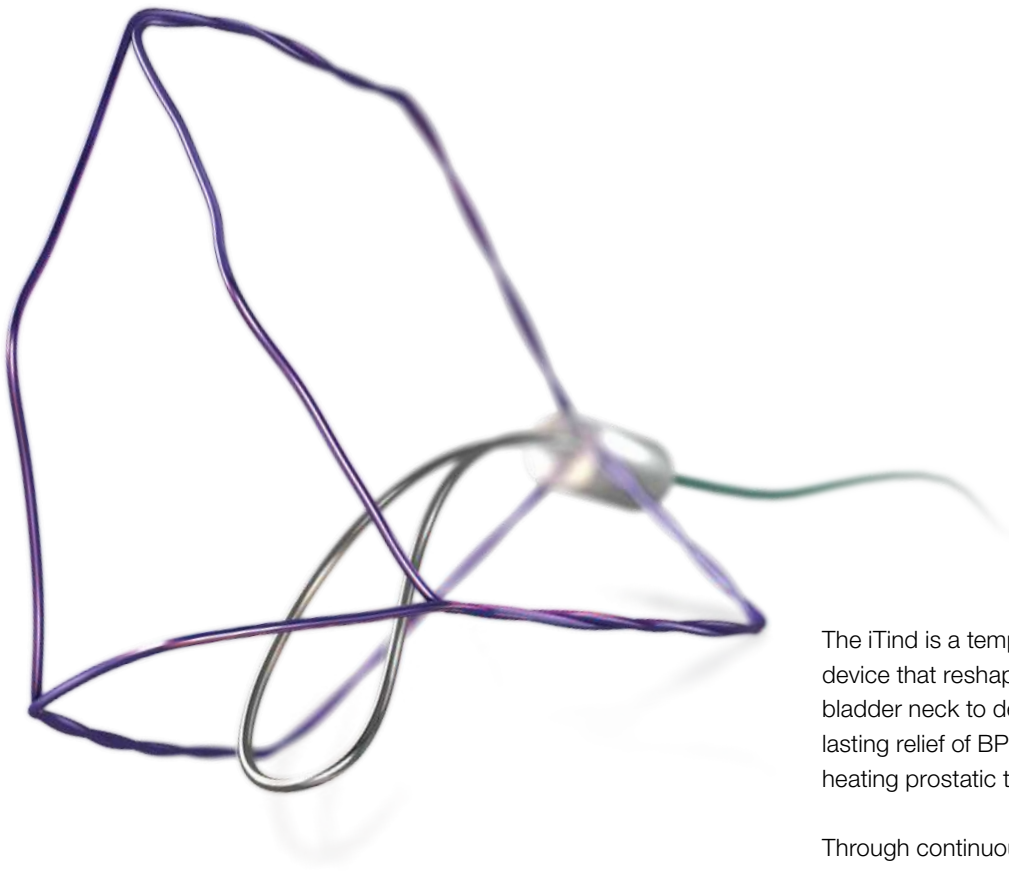
① A22040A	Inner sheath, for A22026A, A22027A
A22041A	Inner sheath, for A22021A, A22023A
A22042A	Inner sheath, for A22022A
② A22027A	Outer Sheath, 26 Fr., 2 vertical stopcocks, fixed
A22026A	Outer Sheath, 26 Fr., 2 stopcocks, rotatable
A22023A	Outer Sheath, 27 Fr., 2 vertical stopcocks, fixed
A22021A	Outer Sheath, 27 Fr., 2 stopcocks, rotatable
A22022A	Outer Sheath, 28 Fr., 2 stopcocks, rotatable

System Chart



iTind

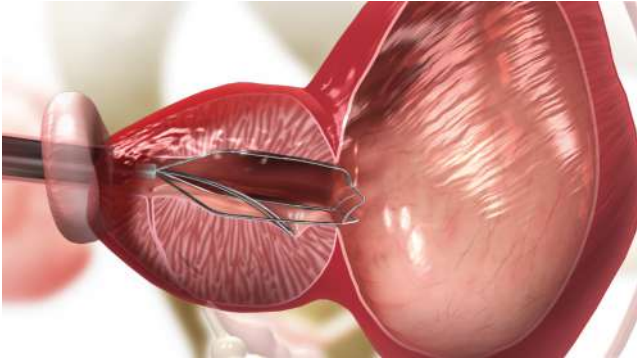
Temporarily Implanted
Nitinol Device



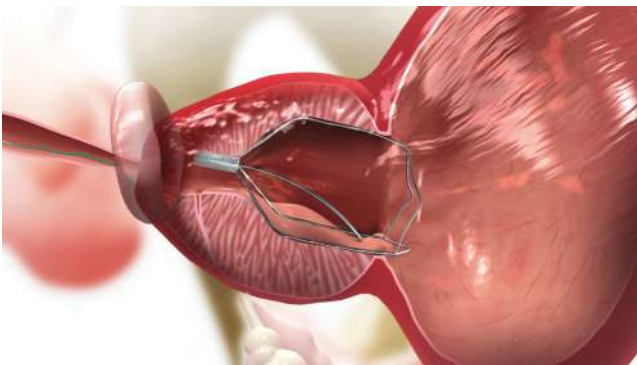
The iTind is a temporarily implanted nitinol device that reshapes the prostatic urethra and bladder neck to deliver significant and long-lasting relief of BPH symptoms, all without heating prostatic tissue or a permanent implant.

Through continuous pressure and subsequent ischemia and necrosis, the iTind struts reshape the prostatic urethra and bladder neck, creating new channels to allow for better urine flow. Patients are able to return home during the 5-7 day treatment, at the end of which the device is completely removed.

The iTind can be placed in an office or outpatient setting using a slim rigid or flexible cystoscope.



1. Insertion of iTind



2. Implantation Period (5 to 7 days)



3. Removal of iTind

How iTind Works:

The iTind device is placed in a simple and straightforward procedure that can be performed in an office or outpatient setting. Once in place, the iTind gently expands and exerts continuous pressure on the prostatic urethra and the bladder neck at the 12, 5, and 7 o'clock positions. During the five to seven day treatment; ischemic pressure and subsequent necrosis result in three deep longitudinal channels. Those three channels better allow for urine to flow through the prostatic urethra. Patients are able to return home during the five-day treatment. At the end of which the device is completely removed and results can be felt immediately.

Clinical data demonstrate the safety and effectiveness of the iTind System in patients with lower urinary tract symptoms secondary to BPH.

- Rapid and effective relief from BPH symptoms ^{2,3,4}
- Lower risk profile than more invasive procedures ^{2,3,4}
- Routinely catheter free procedure ^{2,3,4}
- Preserves sexual and ejaculatory function ^{2,3,4}
- No permanent implant resulting from the procedure ^{2,3,4}
- Straightforward procedure

² Porpiglia F, Fiori C, Bertolo R et al. 3-Year follow-up of temporary implantable nitinol device implantation for the treatment of benign prostatic obstruction, *BJU Int.* 2018 Jul; 122(1): 106-112.

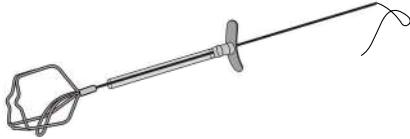
³ Kadner G, Valerio M et al. Second generation of temporary implantable nitinol device (iTind) in men with LUTS: 2 year results of the MT-02-study, *World Journal of Urology*, Mar 2020.

⁴ Porpiglia F, Fiori C, Amparore D et al. Second-generation of temporary implantable nitinol device for the relief of lower urinary tract symptoma due to benign prostatic hyperplasia: results of a prospective, multicentre study at 1 year of follow-up. *BJU Int.* 2019; 123: 1061-1069.

iTind

Temporarily Implanted
Nitinol Device
(cont.)

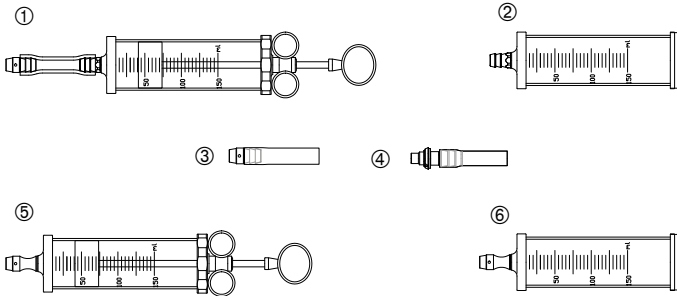
iTind System



WA2IT000 iTind System, with retrieval snare,
sterile, single use

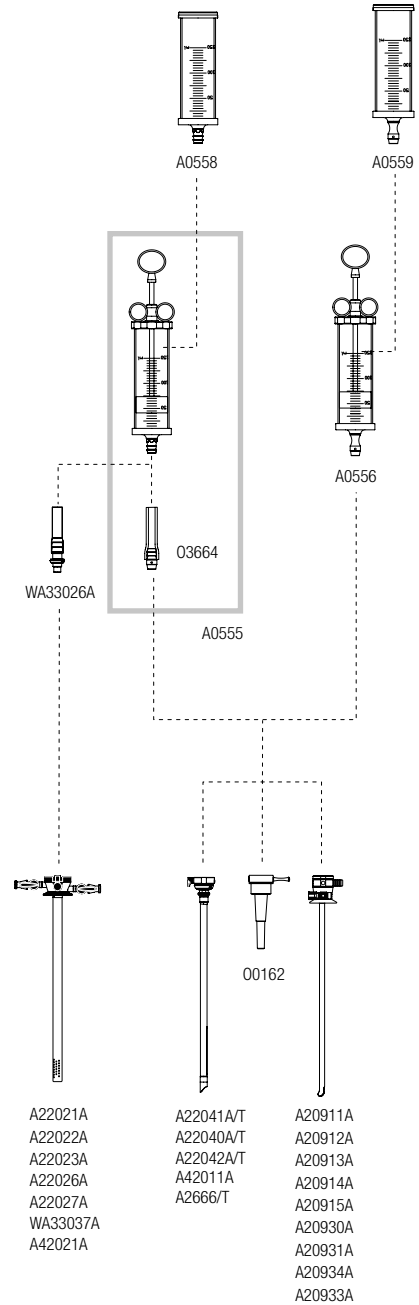
Bladder Irrigation, Urethrotome

Bladder Syringes

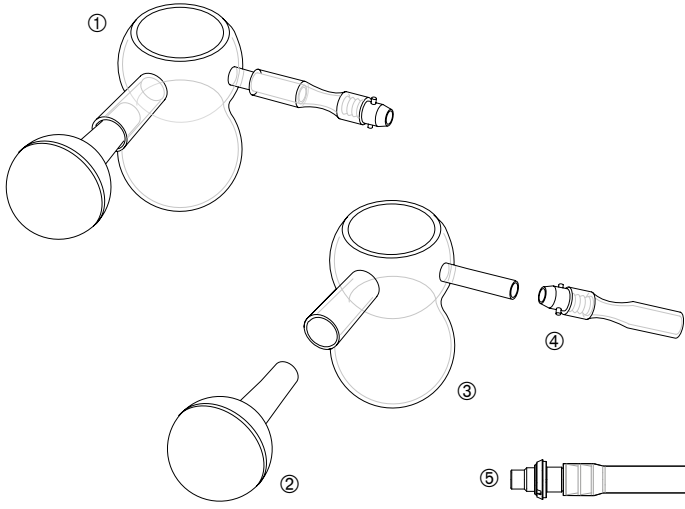


- ① **A0555** Syringe, 150 ml, with flexible clamping cone
- ② **A0558** Spare cylinder, for A0555
- ③ **03664** Tube, with cone, for 03657 spare for A0555
- ④ **WA33026A** Adapter, OES Pro outer sheath to Ellik and syringe
- ⑤ **A0556** Syringe, 150 ml, with clamping cone
- ⑥ **A0559** Spare cylinder, for A0556

System Chart Bladder Syringes



Ellik-Evacuator



- ① **03657** Evacuator, acc. to Ellik

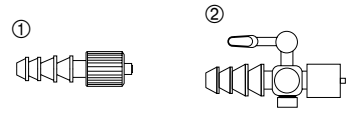
- ② **03665** Pressure ball, for 03657

- ③ **03653** Spare glass, for 03657

- ④ **03664** Tube, with cone, for 03657

- ⑤ **WA33026A** Adapter, OES Pro outer sheath to Ellik and syringe

Tubing Adapters, Luer-Lock

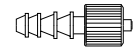


- ① **00103** Adapter, with Luer-lock male and x-mas tree

- ② **00102.1** Stopcock, Luer-lock male/X-mas tree, maintenance-free

For instruments with Luer-lock connector

Tubing Adapter, Wide Lumen



- 00323** Adapter, wide lumen, Luer-lock male, x-mas tree

For tubing sets and sterile water units

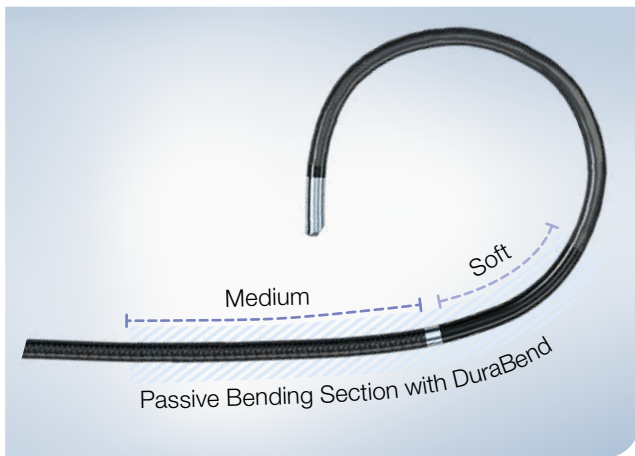
Endourology

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URF-V3

Flexible Video Ureterorenoscope





Passive Bending Section with DuraBend

Olympus's unique DuraBend insertion-tube design reduces stress on the bending section during insertion in the narrow renal pelvis by passive bending, which increases the durability of the URF-V3.

Stone Treatment

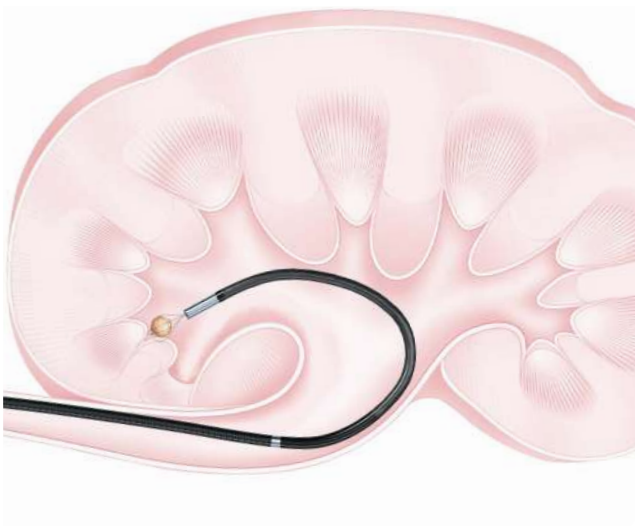
The URF-V3 provides a large, distortion-free digital image and an even illumination of the high-resolution image. The ability to resolve small stone fragments in a well-illuminated image ensures that the surgeon can fulfill requirements of thorough and efficient treatment.

The Morphology Appears: Narrow Band Imaging

Narrow Band Imaging (NBI) as optical image enhancement technology provides substantial help in better identifying upper tract tumors due to improved visibility of vessel structures.

Access Freely, Control Flexibly

- Unique 120° Insertion-Tube Rotation for more Comfort
- Wide Angulation Range
Deflection capabilities of 275° up and down allow for optimal visualization of lower renal calyces as well as upper and middle calyces.
- 8.4 Fr. Slim Diameter Shaft
Slim URF-V3 fits into 10/12 Fr. access sheath allowing for access in tight ureters



URF-V3

Flexible Video Ureterorenoscope (cont.)

Flexible Video Ureterorenoscope URF-V3/R


N5782050	Video Ureterorenoscope "URF-V3"
N5782150	Video Ureterorenoscope "URF-V3R", reverse angulation

Technical Data

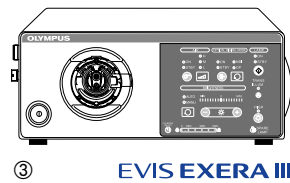
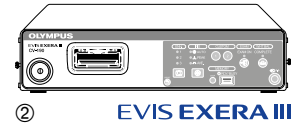
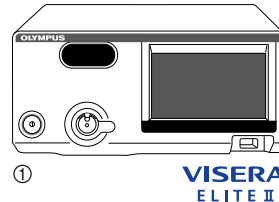
Optical system	
Field of view	80°
Direction of view	0°
Region of sharp image	1.5 – 50 mm
Insertion portion	
Distal end outer diameter	8.5 Fr. (2.83 mm)
Shaft diameter	8.4 Fr. (2.8 mm)
Working length	670 mm
Instrument channel	
Inner channel diameter	3.6 Fr. (Ø 1.2 mm)
Bending section	
Angulation range	275° up, 275° down
Total length	980 mm

Delivery includes:

Video ureterorenoscope, biopsy valve (MAJ-579, 10 pcs.), forceps/irrigation plug (MAJ-2092), sterilization cap (MAJ-1538), single use single-ended cleaning brush (BW-400B), single use combination cleaning brush (BW-411B, 3 pcs.)

 For stone management instruments, see page 145.

Video Systems



- | | |
|-------------------|--|
| ① N5426850 | "OTV-S200"
Video System Center "VISERA ELITE II"
All-in-One 2D Processor and Light Source |
| N5426950 | "OTV-S300"
Video System Center "VISERA ELITE II"
All-in-One 2D/3D Processor and Light Source |
| ② N3643260 | EVIS EXERA III video system center "CV-190" |
| ③ N3643350 | EVIS EXERA III xenon light source "CLV-190" |

 For VISERA ELITE II, see page 489.

 For EVIS EXERA III, see page 501.

URF-V

Uretero-Reno Videoscope





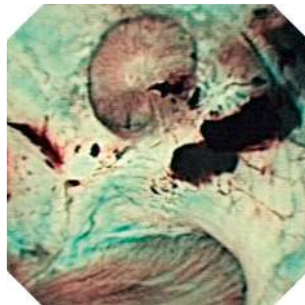
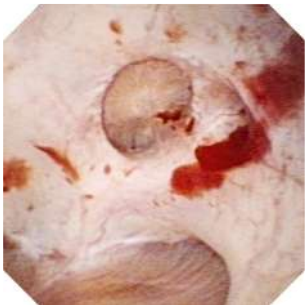
“EYE Inside” Technology

The CCD imaging sensor in the distal end provides a moiré-free, bright image with high color reproduction without the need for a camera head attachment. The use of the integrated distally located CCD imaging sensor eliminates the need to focus.

Largest image size:

Left – conventional fiberscope image (URF-P5)

Right – URF-V



The Morphology Appears: Narrow Band Imaging

NBI helps in the observation of mucosal morphology; NBI works by altering the white light source to consist of specific wavelength bands, which take advantage of the scattering and absorption properties of human tissue. This provides improved visual contrast of the surface structure and fine capillary patterns of the mucous membranes, which are normally difficult to distinguish. NBI takes advantage of the characteristics of the light that penetrates the mucosa by depicting capillaries in the superficial layer of the mucosa more clearly than with conventional white light.



Access Freely, Control Flexibly

- Ergonomic design:
Integrated camera and light-guide cable
- Up 180° / down 275°
- Smooth handling:
New insertion tube function

URF-V

Uretero-Reno Videoscope

(cont.)

Uretero-Reno Videoscope URF-V


N6007750 Videoscope "URF-V"

Technical Data

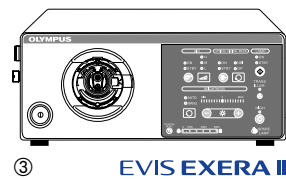
Optical system	
Field of view	90°
Direction of view	0°
Region of sharp image	2 – 50 mm
Insertion portion	
Distal end outer diameter	8.5 Fr.
Insertion tube outer diameter	9.9 Fr. (3.3 mm)
Working length	670 mm
Instrument channel	
Inner channel diameter	3.6 Fr. (Ø 1.2 mm)
ET accessories	ET accessories for Ø 1 mm (3 Fr.) channel
Bending section	
Angulation range	180° up, 275° down
Total length	980 mm

Delivery includes:


Video ureterorenoscope, biopsy valve (MAJ-579, 10 pcs.), forceps/irrigation plug, ETO cap (MB-156), single use single-ended cleaning brush (BW-400B, 3 pcs.), single use combination cleaning brush (BW-411B, 3 pcs.)

 For stone management instruments, see page 145.

Video System



- ② **N3643260** EVIS EXERA III Video System Center "CV-190"
- ③ **N3643350** EVIS EXERA III xenon light source "CLV-190"

 For video systems, see page 501 and 503.

URF-P7

Flexible Uretero-Reno Fiberscope



7.95 Fr. Super-Slim



4.9 Fr. Evolutiontip

As two of the world's leading innovators in the flexible ureteroscope market, Olympus and Gyrus ACMI have joined forces to push their combined technologies to the limit with the URF-P7 flexible ureteroscope. This super-slim flexible ureteroscope is ideal for laser lithotripsy in all patients allowing for more efficient procedures.

Easy Access

- **Super-Slim Shaft**
The URF-P7 is compatible with a 10 Fr. access sheath, which enables the ureteroscope to be inserted into even a small ureter. When using a 12 Fr. access sheath, the narrower design leaves plenty of room for irrigation outflow.
- **DuraBend design**
Olympus's unique insertion-tube design DuraBend uses materials in four different stiffness degrees (from extra stiff to soft) within the insertion section to reduce stress during insertion in the narrow renal pelvis by passive bending, which increases the durability of the URF-P7.
- **Angulations**
The 275° up/down angulation ensures easier access the stones in upper, mid and lower calyces even with a laser fiber.
- **EvolutionTip**
The 7.95 Fr. super-slim shaft with Olympus' unique EvolutionTip ensures smoother ureteroscope insertion and navigation even through tight anatomy.

Clear Visualization

- The URF-P7 maintains the same high image quality expected from Olympus despite the slimmer design. The moiré reduction filter provides a clear image without color blurring or moiré effect, thus allowing clear visualization of lesions, tissues, and stones.

URF-P7

Flexible Uretero-Reno Fiberscope
(cont.)

Uretero-Reno Fiberscope URF-P7/R

N5781850	Fiberscope "URF-P7"
N5781950	Fiberscope "URF-P7R", reverse angulation

Technical Data

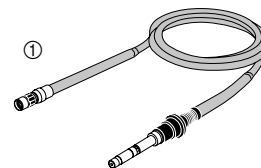
Optical system	Field of view	90°
	Direction of view	0°
	Depth of field	2 – 50 mm
Insertion tube		
	Distal end outer diameter	4.9 Fr. EvolutionTip
	Insertion tube outer diameter	7.95 Fr. (2.65 mm)
	Working length	670 mm
Instrument channel		
	Inner channel diameter	3.6 Fr. (1.2 mm)
Bending section		
	Angulation range	275° up 275° down
Total length		1050 mm
Compatibility		
	HF treatment	not compatible
	Laser treatment	compatible
Safety		
	Directive 93/42/EEC	class IIa
	Protection against electric shock	type BF applied part
Ambient conditions		
	Operation temperature	10 – 40 °C
	Relative humidity	30 – 85 %
	Atmospheric pressure	700 – 1060 hPa
	Transport and storage temperature	-47 – 70 °C
	Relative humidity	10 – 95 %
	Atmospheric pressure	700 – 1060 hPa

Delivery includes:

Fiber ureterorenoscope, biopsy valve (MAJ-579, 10 pcs.), forceps/irrigation plug (MAJ-2092), ETO cap (MB-156), single use single-ended cleaning brush (BW-400B), single use combination cleaning brush (BW-411B, 3 pcs.)

 For stone management instruments, see page 145.

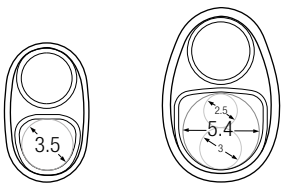
Light-Guide Cable



①	WA03300A	Light-guide cable, 2.8 mm, 3 m, CF type
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Single-Channel Ureteroscopes

Angled Ocular OES ELITE



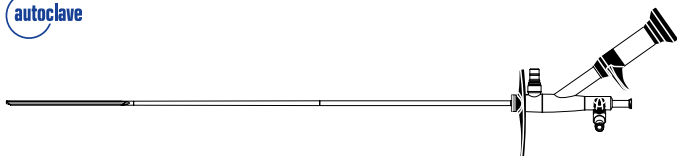
WA2UR11A WA2UR14A

Sheath profiles



- HD Compatibility
- Anti-reflection tip design
- Less deformation after bending compared to OES Pro
- Atraumatic tip design

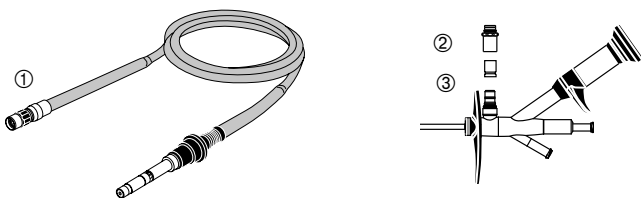
OES ELITE Ureteroscopes



- WA2UR11A** Ureteroscope, 6.7/8.4 Fr. x 430 mm, 5°, angled ocular, 4.2 Fr. channel
 - Passage for instruments up to 3.5 Fr.
- WA2UR14A** Ureteroscope, 7.3/10.4 Fr. x 430 mm, 5°, angled ocular, 6.4 Fr. channel
 - Passage for instruments up to 5.4 Fr.
 - Passage for two instruments: 3 Fr. and 2.5 Fr.

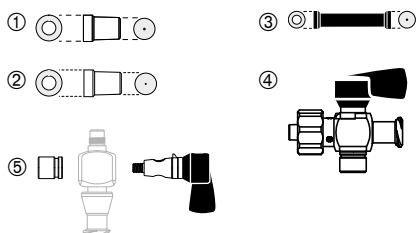
Delivery includes:
Telescope

Light-Guide Cable and Adapter



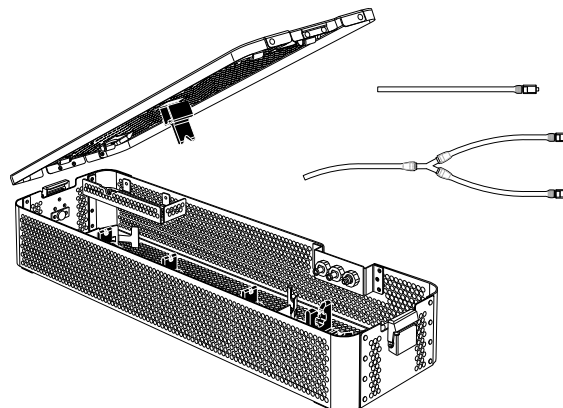
- ① **WA03300A** Light-guide cable, 2.8 mm, 3 m, CF type
- ② **A0460** Light-guide adapter, for OES 4000 light-guide cables
- ③ **O0332** Light-guide adapter, for Wolf light-guide cables

Attachments and Sealing Caps



- ① **WA00387A** Sealing cap, 0.7 mm, transparent, sterile, single use, 10 pcs.
- ② **A0387** Sealing cap, black, 0.7 mm, 10 pcs.
 - Reusable/non-sterile
- ③ **A0286** Sealing cap, black, 0.4 mm, kink protection, 6 pcs.
 - Reusable/non-sterile
- ④ **WA2URADP** Attachment, for OES ELITE ureteroscopes
- ⑤ **WA47778A** Stopcock accessory
 - Reusable/non-sterile

Instrument Tray



- WA2BSKTA** Instrument tray, for semi-rigid ureteroscope, with connection to washer-disinfector
- WA2TUB01** Tubing, with one Luer-lock connector,
 - For connection with instrument tray "WA2BSKTA" and washer-disinfector
- WA2TUB02** Tubing, with two Luer-lock connectors
 - For connection with instrument tray "WA2BSKTA" and washer-disinfector

Outer dimensions:
Depth: 171 mm, height: 104 mm, length: 608 mm, weight: 2.6 kg

- 🔗 For system chart, see page 131.
- 🔗 For instrument baskets, see page 657.

Instrument Tray Sets

- WA2BSKT1** Instrument tray, set, WA2BSKTA with WA2TUB01
- WA2BSKT2** Instrument tray, set, WA2BSKTA with WA2TUB02

Content of set is as described in product name

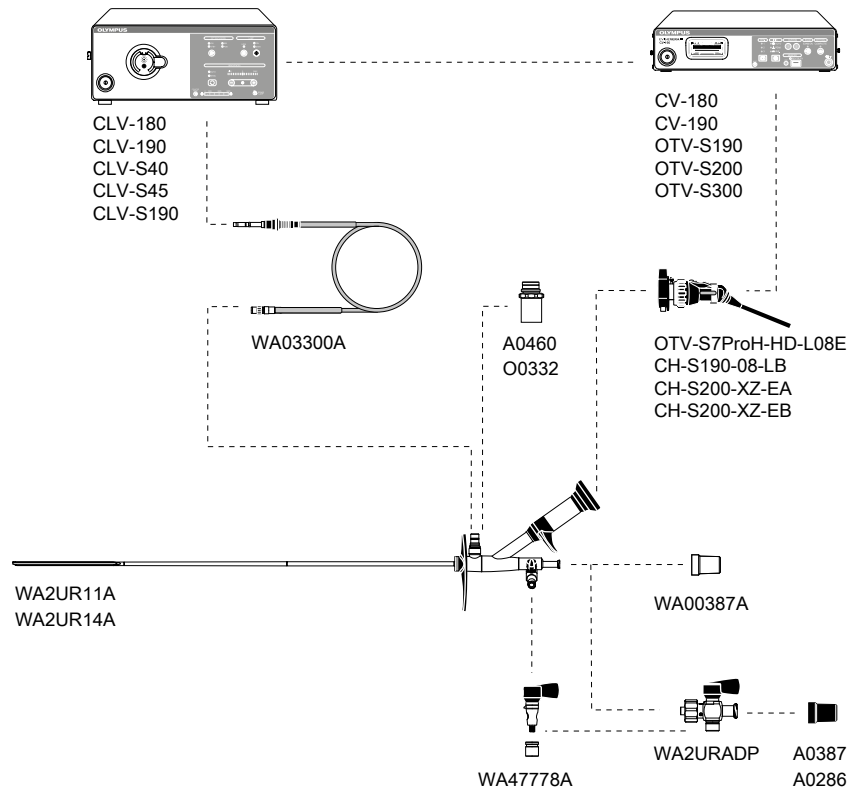
Biopsy Port Seals

- 🔗 For biopsy port seals, see page 163.

Stone Management

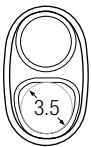
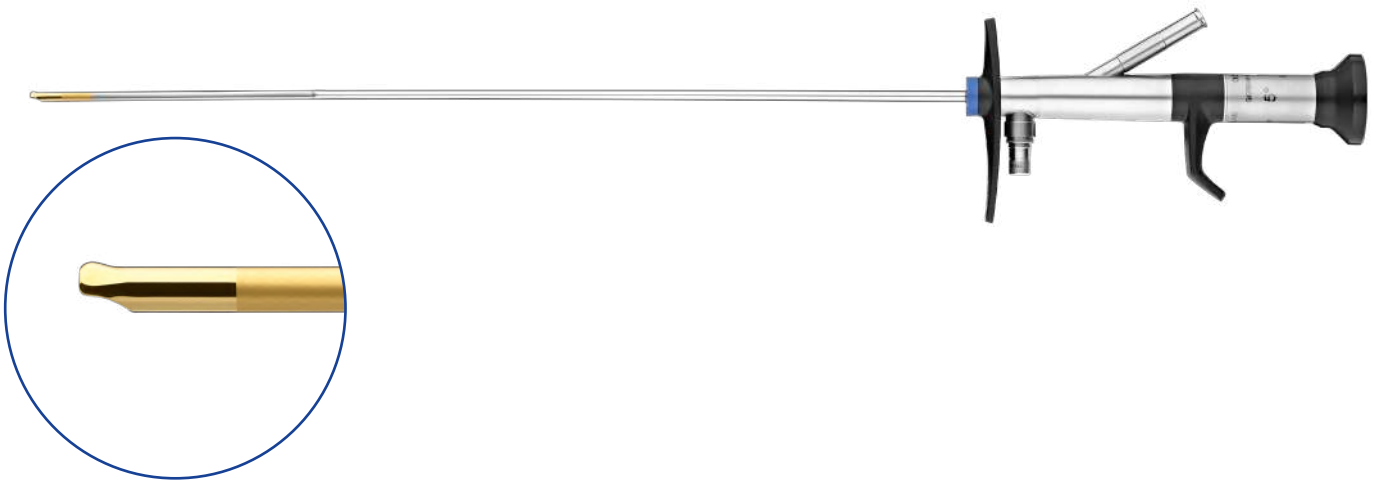
- 🔗 For stone management instruments, see page 145.

System Chart



Single-Channel Ureteroscopes

Straight Ocular OES ELITE



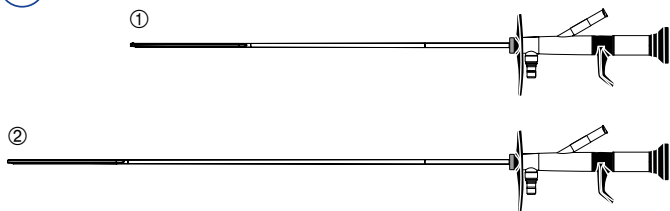
WA2UR12A
WA2UR13A
Sheath profile



- HD Compatibility
- Anti-reflection tip design
- Less deformation after bending compared to OES Pro
- Atraumatic tip design

OES ELITE Ureteroscopes

autoclave

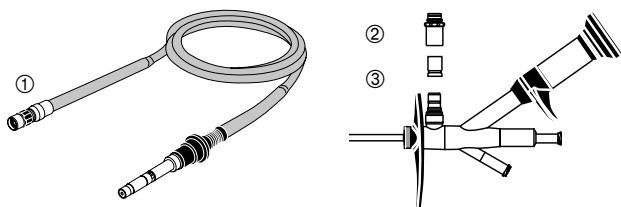


- ① **WA2UR12A** Ureteroscope, 6.7/8.4 Fr. x 330 mm, 5°, straight ocular, 4.2 Fr. channel
 - Passage for instruments up to 3.5 Fr.
- ② **WA2UR13A** Ureteroscope, 6.7/8.4 Fr. x 430 mm, 5°, straight ocular, 4.2 Fr. channel
 - Passage for instruments up to 3.5 Fr.

Delivery includes:

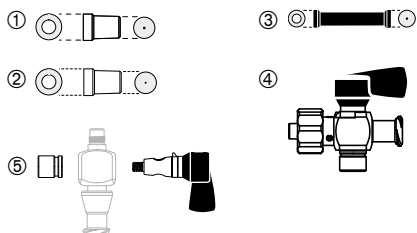
Telescope

Light-Guide Cable and Adapter



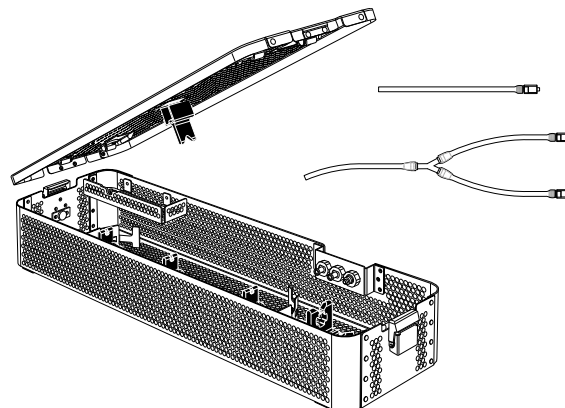
- ① **WA03300A** Light-guide cable, 2.8 mm, 3 m, CF type
- ② **A0460** Light-guide adapter, for OES 4000 light-guide cables
- ③ **O0332** Light-guide adapter, for Wolf light-guide cables

Attachments and Sealing Caps



- ① **WA00387A** Sealing cap, 0.7 mm, transparent, sterile, single use, 10 pcs.
- ② **A0387** Sealing cap, black, 0.7 mm, 10 pcs.
 - Reusable/non-sterile
- ③ **A0286** Sealing cap, black, 0.4 mm, kink protection, 6 pcs.
 - Reusable/non-sterile
- ④ **WA2URADP** Attachment, for OES ELITE ureteroscopes
- ⑤ **WA47778A** Stopcock accessory
 - Reusable/non-sterile

Instrument Tray



- WA2BSKTA** Instrument tray, for semi-rigid ureteroscope, with connection to washer-disinfector
- WA2TUB01** Tubing, with one Luer-lock connector,
 - For connection with instrument tray "WA2BSKTA" and washer-disinfector
- WA2TUB02** Tubing, with two Luer-lock connectors
 - For connection with instrument tray "WA2BSKTA" and washer-disinfector

Outer dimensions:

Depth: 171 mm, height: 104 mm, length: 608 mm, weight: 2.6 kg

- 🔗 For system chart, see page 131.
- 🔗 For instrument baskets, see page 657.

Instrument Tray Sets

- WA2BSKT1** Instrument tray, set, WA2BSKTA with WA2TUB01
- WA2BSKT2** Instrument tray, set, WA2BSKTA with WA2TUB02

Content of set is as described in product name

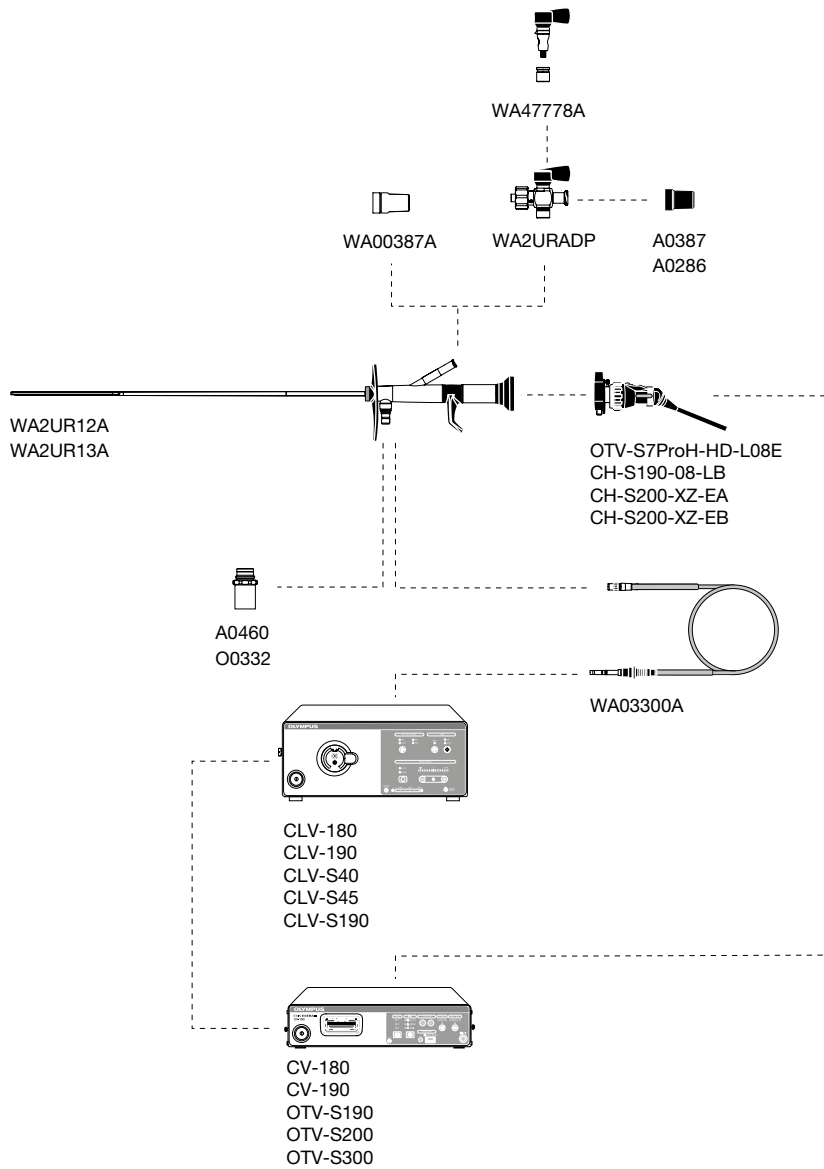
Biopsy Port Seals

- 🔗 For biopsy port seals, see page 163.

Stone Management

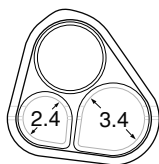
- 🔗 For stone management instruments, see page 145.

System Chart



Dual-Channel Ureteroscopes

Angled Ocular OES ELITE

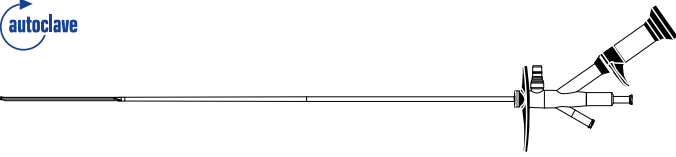


WA2UR21A
Sheath profile



- HD Compatibility
- Anti-reflection tip design
- Less deformation after bending compared to OES Pro
- Atraumatic tip design
- Image size of dual channel ureteroscopes is increased by 25% compared to predecessor
- Resolution of OES Elite dual channel ureteroscopes is increased by 68% compared to predecessor
- Irrigation flow of OES Elite dual channel ureteroscopes increases by 37% compared to predecessor with a 2 Fr. wire inserted

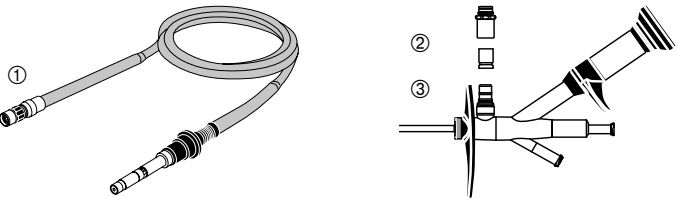
OES ELITE Ureteroscopes



WA2UR21A Ureteroscope,
6.9/8.4 Fr. x 430 mm, 5°, angled ocular,
3.7 Fr. and 2.6 Fr. channel
 ■ Passage for two instruments: 3.4 Fr. and 2.4 Fr.

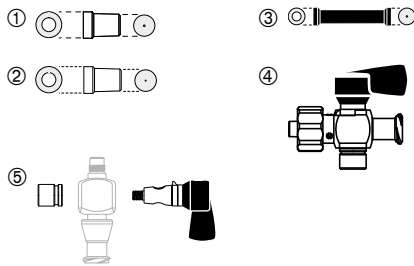
Delivery includes:
Telescope

Light-Guide Cable and Adapter



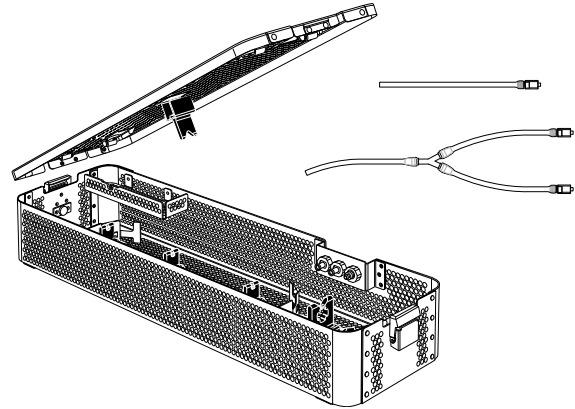
- ① **WA03300A** Light-guide cable, 2.8 mm, 3 m, CF type
- ② **A0460** Light-guide adapter, for OES 4000 light-guide cables
- ③ **O0332** Light-guide adapter, for Wolf light-guide cables

Attachments and Sealing Caps



- ① **WA00387A** Sealing cap, 0.7 mm, transparent, sterile, single use, 10 pcs.
- ② **A0387** Sealing cap, black, 0.7 mm, 10 pcs.
 ■ Reusable/non-sterile
- ③ **A0286** Sealing cap, black, 0.4 mm, kink protection, 6 pcs.
 ■ Reusable/non-sterile
- ④ **WA2URADP** Attachment, for OES ELITE ureteroscopes
- ⑤ **WA47778A** Stopcock accessory
 ■ Reusable/non-sterile

Instrument Tray



- WA2BSKTA** Instrument tray, for semi-rigid ureteroscope, with connection to washer-disinfector
- WA2TUB01** Tubing, with one Luer-lock connector,
 ■ For connection with instrument tray "WA2BSKTA" and washer-disinfector
- WA2TUB02** Tubing, with two Luer-lock connectors
 ■ For connection with instrument tray "WA2BSKTA" and washer-disinfector

Outer dimensions:
Depth: 171 mm, height: 104 mm, length: 608 mm, weight: 2.6 kg

- 🔗 For system chart, see page 131.
- 🔗 For instrument baskets, see page 657.

Instrument Tray Sets

- WA2BSKT1** Instrument tray, set, WA2BSKTA with WA2TUB01
- WA2BSKT2** Instrument tray, set, WA2BSKTA with WA2TUB02

Content of set is as described in product name

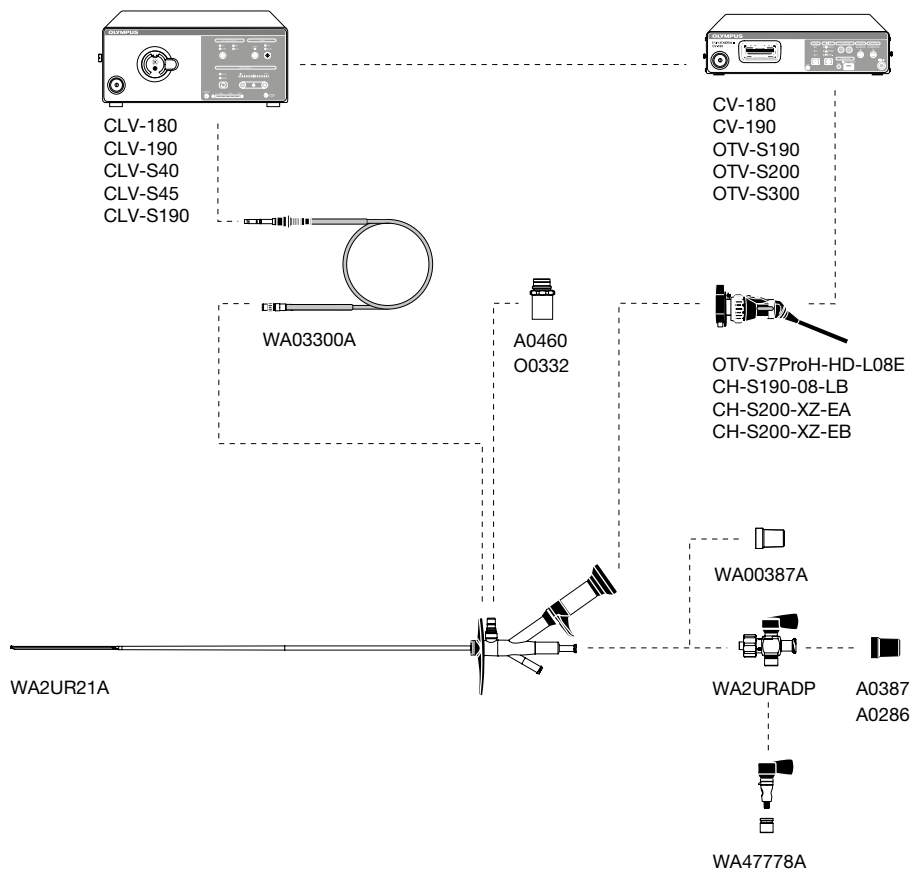
Biopsy Port Seals

- 🔗 For biopsy port seals, see page 163.

Stone Management

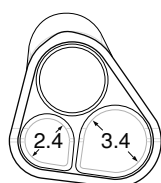
- 🔗 For stone management instruments, see page 145.

System Chart



Dual-Channel Ureteroscopes

Straight Ocular OES ELITE



WA2UR22A
WA2UR23A
Sheath profile



- HD Compatibility
- Anti-reflection tip design
- Less deformation after bending compared to OES Pro
- Atraumatic tip design
- Image size of dual channel ureteroscopes is increased by 25% compared to predecessor
- Resolution of OES Elite dual channel ureteroscopes is increased by 68% compared to predecessor
- Irrigation flow of OES Elite dual channel ureteroscopes increases by 37% compared to predecessor with a 2 Fr. wire inserted

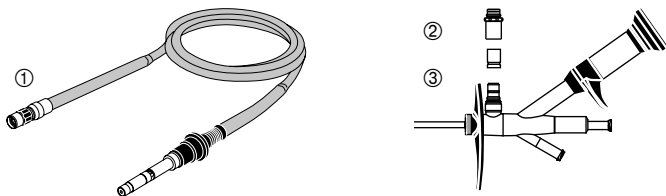
OES ELITE Ureteroscopes



- ① **WA2UR22A** Ureteroscope, 6.9/8.4 Fr. x 330 mm, 5°, straight ocular, 3.7 Fr. and 2.6 Fr. channel
 - Passage for two instruments: 3.4 Fr. and 2.4 Fr.
- ② **WA2UR23A** Ureteroscope, 6.9/8.4 Fr. x 430 mm, 5°, straight ocular, 3.7 Fr. and 2.6 Fr. channel
 - Passage for two instruments: 3.4 Fr. and 2.4 Fr.

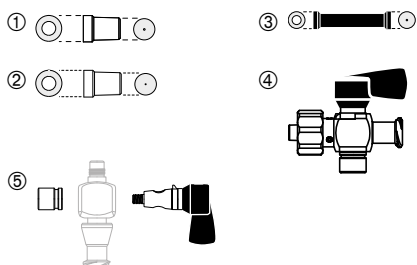
Delivery includes:
Telescope

Light-Guide Cable and Adapter



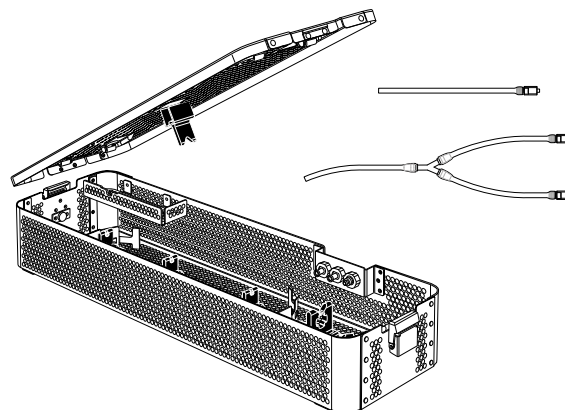
- ① **WA03300A** Light-guide cable, 2.8 mm, 3 m, CF type
- ② **A0460** Light-guide adapter, for OES 4000 light-guide cables
- ③ **00332** Light-guide adapter, for Wolf light-guide cables

Attachments and Sealing Caps



- ① **WA00387A** Sealing cap, 0.7 mm, transparent, sterile, single use, 10 pcs.
- ② **A0387** Sealing cap, black, 0.7 mm, 10 pcs.
 - Reusable/non-sterile
- ③ **A0286** Sealing cap, black, 0.4 mm, kink protection, 6 pcs.
 - Reusable/non-sterile
- ④ **WA2URADP** Attachment, for OES ELITE ureteroscopes
- ⑤ **WA47778A** Stopcock accessory
 - Reusable/non-sterile

Instrument Tray



- WA2BSKTA** Instrument tray, for semi-rigid ureteroscope, with connection to washer-disinfector
- WA2TUB01** Tubing, with one Luer-lock connector,
 - For connection with instrument tray "WA2BSKTA" and washer-disinfector
- WA2TUB02** Tubing, with two Luer-lock connectors
 - For connection with instrument tray "WA2BSKTA" and washer-disinfector

Outer dimensions:

Depth: 171 mm, height: 104 mm, length: 608 mm, weight: 2.6 kg

- 🔗 For system chart, see page 131.
- 🔗 For instrument baskets, see page 657.

Instrument Tray Sets

- WA2BSKT1** Instrument tray, set, WA2BSKTA with WA2TUB01
- WA2BSKT2** Instrument tray, set, WA2BSKTA with WA2TUB02

Content of set is as described in product name

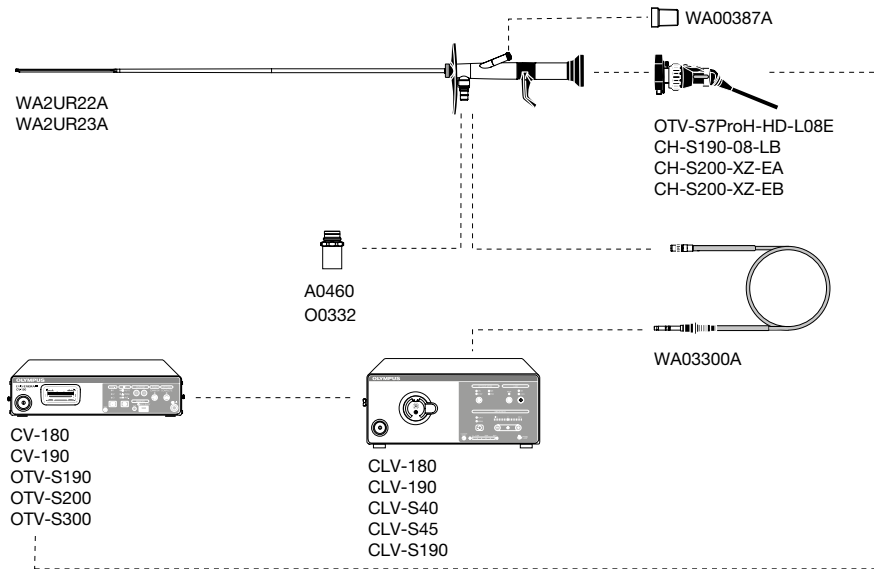
Biopsy Port Seals

- 🔗 For biopsy port seals, see page 163.

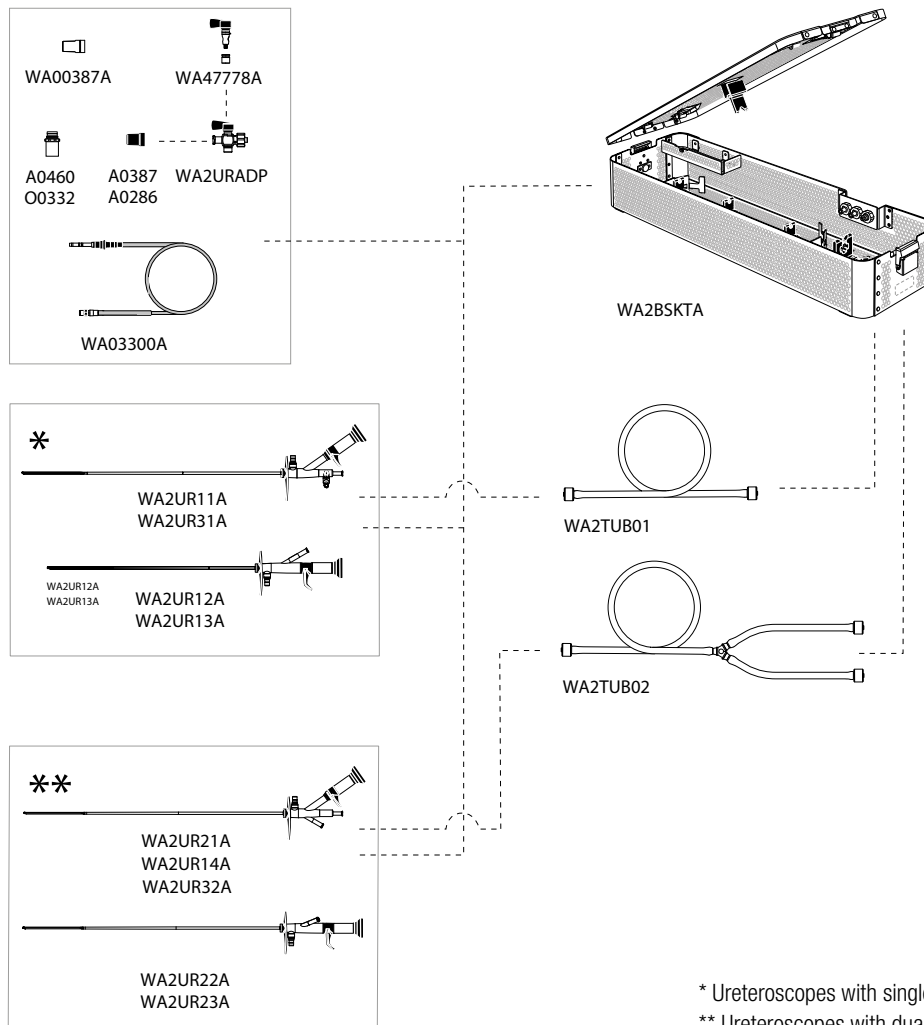
Stone Management

- 🔗 For stone management instruments, see page 145.

System Chart



System Chart



Quattro Guidewire

One Wire, Multiple Purposes

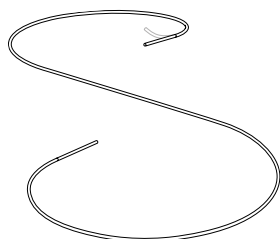
The PTFE coated, dual-flex, Nitinol Quattro guidewire provides smooth, reliable access for virtually every situation. It combines two guidewires in one: Silver tipped end of the guidewire has a stiff flex pattern similar to an Amplatz guidewire, the gold tipped end a softer flex pattern similar to a Bentson guidewire.

For Advancement

- Kink resistant Nitinol core for worry free insertion.
- Low friction PTFE coated main body for easy tracking through anatomy and effortless advancement of catheters, stents, etc.
- HydraSilk coated tips (ultra slippery silicone-based hydrophilic coating) for effortless passage around obstructions and through torturous anatomy.

For Safety

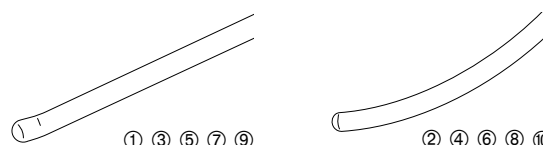
- Tungsten coiled tips provides unsurpassed radiopacity for clear fluoroscopic identification.
- Specially designed coiled tips and coating surface finish prevent inadvertent migration.



EG50BX	Quattro guidewire, 0.35" diameter, 150 cm length, tip length: 5 cm coil, straight tip, straight, stiff and regular body, sterile, single-use, 5 pcs.
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SureGlide Guidewires

The SureGlide guidewire combines a torque-stable and kink-resistant Nitinol core with a highly lubricious, hydrophilic-coated jacket to enable easy navigation through tortuous anatomy and smooth tracking of instruments. Scope-friendly rounded ends ease insertion.



① EG15BX	SureGlide guidewire, 0.025" diameter, 150 cm length, tip length: 3 cm flex, sterile, single-use, 5 pcs., straight tip, regular body
② EG16BX	SureGlide guidewire, 0.025" diameter, 150 cm length, tip length: 3 cm flex, sterile, single-use, 5 pcs., angled tip, regular body
③ EG35BX	SureGlide guidewire, 0.035" diameter, 150 cm length, tip length: 3 cm flex, sterile, single-use, 5 pcs., straight tip, regular body
④ EG36BX	SureGlide guidewire, 0.035" diameter, 150 cm length, tip length: 3 cm flex, sterile, single-use, 5 pcs., angled tip, regular body
⑤ EG41BX	SureGlide guidewire, 0.035" diameter, 150 cm length, tip length: 3 cm flex, sterile, single-use, 5 pcs., straight tip, stiff body
⑥ EG43BX	SureGlide guidewire, 0.035" diameter, 150 cm length, tip length: 3 cm flex, sterile, single-use, 5 pcs., angled tip, stiff body
⑦ EG37BX	SureGlide guidewire, 0.038" diameter, 150 cm length, tip length: 3 cm flex, sterile, single-use, 5 pcs., straight tip, regular body
⑧ EG38BX	SureGlide guidewire, 0.038" diameter, 150 cm length, tip length: 3 cm flex, sterile, single-use, 5 pcs., angled tip, regular body
⑨ EG42BX	SureGlide guidewire, 0.038" diameter, 150 cm length, tip length: 3 cm flex, sterile, single-use, 5 pcs., straight tip, stiff body
⑩ EG44BX	SureGlide guidewire, 0.038" diameter, 150 cm length, tip length: 3 cm flex, sterile, single-use, 5 pcs., angled tip, stiff body

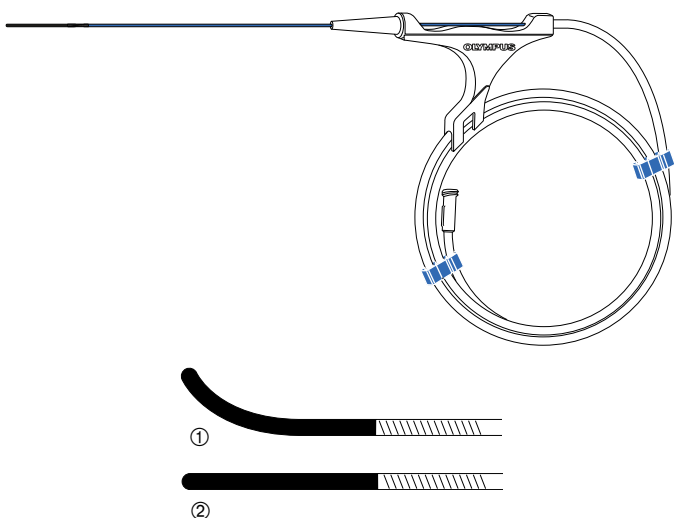
UltraTrack Guidewire

When one wire makes sense.

The UltraTrack hybrid Guidewire is designed to be the go-to wire for all situations. It enables both easy access and secure placement during the most challenging procedures. When reducing inventory and the number of guidewire exchanges during a procedure is important, standardizing on UltraTrack will create efficiencies without compromising clinical excellence.

- Secure Access designed for device passage and maintaining position
- Atraumatic navigation soft for atraumatic tip and round wire body design
- Design durability designed to leave no trace behind, with unmatched quality and integrity

150cm in length, 5 per box



①	EGGHW3505RA	0.035 In diameter, 150cm length, angled tip
	EGGHW3805RA	0.038 In diameter, 150cm length, angled tip
②	EGGHW3505R	0.035 In diameter, 150cm length, straight tip
	EGGHW3805R	0.038 In diameter, 150cm length, straight tip

Bentson Guidewires

A soft-flex, round wire wrapped over a stainless steel core provides balanced performance. The soft stiffness of the proximal shaft ensures pushability and control while the long floppy distal tip enables precise, less traumatic advancement. Smooth, rounded ends and PTFE coating ease passage.



EG10BX	Bentson guidewire, stainless steel, 150 cm length, tip length: 15 cm flex, straight tip, soft body, sterile, single-use, 5 pcs., 0.035" diameter
EG12BX	Bentson guidewire, stainless steel, 150 cm length, tip length: 15 cm flex, straight tip, soft body, sterile, single-use, 5 pcs., 0.038" diameter

Amplatz Guidewires

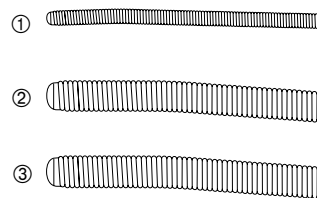
A super-stiff, smooth, flat wire wrapped over a stainless steel core provides balanced performance. The Amplatz super-stiff proximal shaft ensures ultimate pushability and control while the floppy distal shaft enables precise, less traumatic advancement. Smooth, rounded ends and PTFE coating ease passage.



EG13BX	Amplatz guidewire, stainless steel, 150 cm length, tip length: 9 cm flex, straight tip, super stiff body, sterile, single-use, 5 pcs., 0.035" diameter
EG14BX	Amplatz guidewire, stainless steel, 150 cm length, tip length: 9 cm flex, straight tip, super stiff body, sterile, single-use, 5 pcs., 0.038" diameter

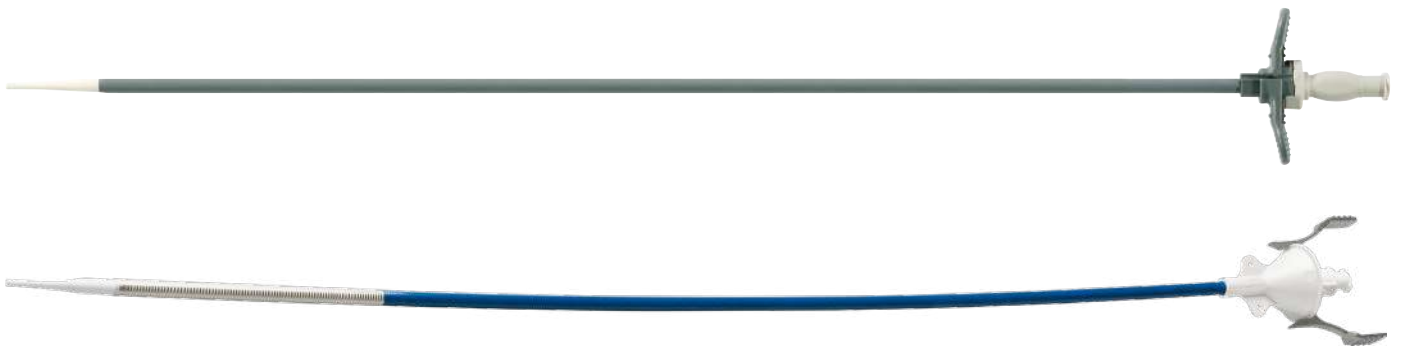
PTFE-Coated Guidewires

A medium-flex, smooth, flat wire wrapped over a stainless steel core provides balanced performance. The stiff proximal shaft ensures pushability and control while the floppy distal tip enables precise, less traumatic advancement. Smooth, rounded ends and PTFE coating ease passage.



① EG22BX	PTFE-coated guidewire, stainless steel, 150 cm length, tip length: 3 cm flex, straight tip, regular body, sterile, single-use, 5 pcs., 0.025" diameter
EG25BX	PTFE-coated guidewire, stainless steel, 150 cm length, tip length: 3 cm flex, straight tip, regular body, sterile, single-use, 5 pcs., 0.035" diameter
EG28BX	PTFE-coated guidewire, stainless steel, 150 cm length, tip length: 3 cm flex, straight tip, regular body, sterile, single-use, 5 pcs., 0.038" diameter
② EG24BX	PTFE-coated guidewire, stainless steel, 0.038" diameter, 150 cm length, tip length: 3 cm flex, straight tip, stiff body, sterile, single-use, 5 pcs.
③ EG26BX	PTFE-coated guidewire, stainless steel, 150 cm length, (infinite) moveable core, straight tip, regular body, sterile, single-use, 5 pcs., 0.035" diameter
EG29BX	PTFE-coated guidewire, stainless steel, 150 cm length, (infinite) moveable core, straight tip, regular body, sterile, single-use, 5 pcs., 0.038" diameter

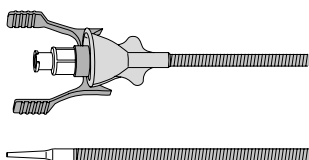
Access Sheaths



- Olympus ureteral access sheaths are designed to glide easily through the urethra into the ureteral orifice to establish a superb conduit for atraumatic passage of endoscopes and retrieval devices. Furthermore they support increased irrigation flow for improved visualization.
- To accommodate varying physician preferences and patient anatomies, Olympus offers two types of access sheaths, each with unique benefits and configurations.
- UroPass Ureteral Access Sheath

UroPass Access Sheaths

- Stainless steel coil reinforced sheath:
Prevents buckling and sidewall collapse.
- Hydrophilic coating:
Reduces friction and facilitates passage.
- Dual durometer sheath:
Strength and flexibility where needed.
- Radiopaque sheath and dilator:
Ease of viewing and positioning
- One-handed operation:
Ease of use at the operative site
- PTFE dilator passes easily through the sheath.
- Sheath is PTFE lined to ensure easy ureteroscope passage and rapid stone removal.
- Wide funnel-shaped hub has suture holes for anchoring to sterile drape.



EG61224BX Ureteral access sheath "UroPass", dilator size 6 – 12 Fr., inner diameter 12 Fr., outer diameter 14 Fr., sterile, single-use, 5 pcs., 24 cm working length

EG61238BX Ureteral access sheath "UroPass", dilator size 6 – 12 Fr., inner diameter 12 Fr., outer diameter 14 Fr., sterile, single-use, 5 pcs., 38 cm working length

EG61254BX Ureteral access sheath "UroPass", dilator size 6 – 12 Fr., inner diameter 12 Fr., outer diameter 14 Fr., sterile, single-use, 5 pcs., 54 cm working length

EG61024BX UroPass Ureteral Access Sheath, 10/12 Fr x 24 cm (5/box)

EG61038BX UroPass Ureteral Access Sheath, 10/12 Fr x 38 cm (5/box)

EG61046BX UroPass Ureteral Access Sheath, 10/12 Fr x 46 cm (5/box)

EG61054BX UroPass Ureteral Access Sheath, 10/12 Fr x 54 cm (5/box)

EG61124BX UroPass Ureteral Access Sheath, 11/13 Fr x 24 cm (5/box)

EG61138BX UroPass Ureteral Access Sheath, 11/13 Fr x 38 cm (5/box)

EG61146BX UroPass Ureteral Access Sheath, 11/13 Fr x 46 cm (5/box)

UroPass Access Sheaths (cont.)

EG61154BX UroPass Ureteral Access Sheath, 11/13 Fr x 54 cm (5/box)

EG61246BX UroPass Ureteral Access Sheath, 12/14 Fr x 46 cm (5/box)

EG61324BX UroPass Ureteral Access Sheath, 13/15 Fr x 24 cm (5/box)

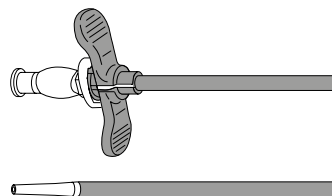
EG61338BX UroPass Ureteral Access Sheath, 13/15 Fr x 38 cm (5/box)

EG61346BX UroPass Ureteral Access Sheath, 13/15 Fr x 46 cm (5/box)

EG61354BX UroPass Ureteral Access Sheath, 13/15 Fr x 54 cm (5/box)

Vari-Pass Access Sheath

- Adjustable length minimizes hospital inventory.
- Locking hub prevents accidental release of dilator during insertion.
- Gradual tapered dilator for atraumatic dilation of the urinary tract
- Smooth PTFE sheath for easy insertion



ASV1012BX Ureteral access sheath "Vari-Pass", variable length, 10/12 Fr., sterile, single-use

Specifications

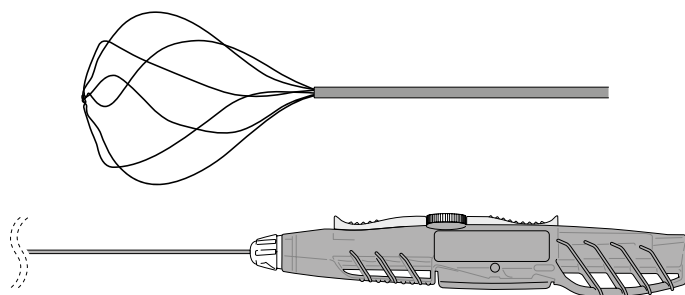
Dilator size.....	6 – 10 Fr.
Dilator outside diameter	10 Fr.
Sheath outside diameter	12 Fr.
Compatible guidewires.....	≤ 0.038"

Stone Baskets

Sur-Catch

Sur-Catch Nitinol NT Baskets

- No-Tip design with round nitinol wires:
Minimizes tissue trauma during manipulation in restricted spaces.
- Multi-sizing basket:
Eliminates the need for multiple basket sizes – basket and side hole size can be continuously adjusted.
- Cross paired wire construction:
Provides radial strength for manipulation in restricted anatomy.
- Proximal wire scoops:
Draws stones into the basket when dragging past.
- Distal wire bridge:
Enables closer stone proximity for easier capture and facilitates stone release for repositioning.
- Distal retention petals:
Greater wire surface area to prevent inadvertent stone escape.
- Lubricious, reinforced sheath with distal flex segment:
Enables easy device passage, full scope deflection, and controlled torque response.



EG5711219 Sur-Catch NT basket,
3 x 2 wires,
cross paired wire, no tip,
120 cm, sterile, single-use,
12 mm, 1.9 Fr.

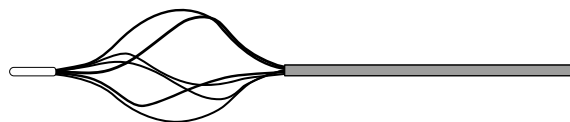
EG5711222 Sur-Catch NT basket,
3 x 2 wires,
cross paired wire, no tip,
120 cm, sterile, single-use,
16 mm, 2.2 Fr.

EG5711230 Sur-Catch NT basket,
3 x 2 wires,
cross paired wire, no tip,
120 cm, sterile, single-use,
16 mm, 3 Fr.

Sur-Catch Baskets

The Sur-Catch stone retrieval baskets have a unique cross paired wire design that features round wires for minimal tissue trauma, high radial strength for ensured manipulation in restricted anatomy, proximal scoops for easy stone capture, and distal retention wires to prevent stone escape. The baskets are supported by reinforced sheaths that have lubricity for easy passage, torque response for precise manipulation, and distal flexibility for access into the most challenging anatomy. An ergonomic handle and patented locking mechanism provide you with exceptional control and enhanced security during every step of the procedure.

- Cross paired wire construction:
Provides radial strength for manipulation in restricted anatomy.
- Large proximal scoops:
Facilitate easy stone capture.
- Crossed distal wires:
Prevent inadvertent stone escape.



EG5711002 Sur-Catch basket,
3 x 2 wires, 11 mm,
cross paired wire,
120 cm, sterile, single-use,
2.4 Fr.

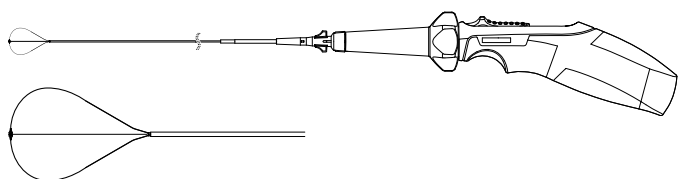
EG5711008 Sur-Catch basket,
3 x 2 wires, 11 mm,
cross paired wire,
120 cm, sterile, single-use,
3 Fr.

EG5711012 Sur-Catch basket,
3 x 2 wires, 11 mm,
cross paired wire,
120 cm, sterile, single-use,
3 Fr., 5 cm filiform

Ultra-Catch NT Nitinol Baskets

The simple four-wire basket design allows for easy capture and release of stones. The no-tip design with round wires is safe for intrarenal use and minimizes tissue trauma during manipulation. The torque responsive shaft and ergonomic handle provide the control and security to ensure safe and effective stone removal.

- Highly-durable, twisted-wire cage design maintains its shape and form even under extreme duress.
- Atraumatic distal disc tip designed to minimize trauma.
- Available in 1.8, 2.2 and 3.0 Fr sizes to accommodate most patient anatomies and physician preferences.
- Polymer sheath is designed for durability while eliminating sheath compression or stretching.



EGNT4W18115 1.8 Fr, 4-wire Ultra-Catch NT Nitinol tipless basket

EGNT4W22115 2.2 Fr, 4-wire Ultra-Catch NT Nitinol tipless basket

EGNT4W30115 3.0 Fr, 4-wire Ultra-Catch NT Nitinol tipless basket

Flex-Catch NT Nitinol Basket

The Flex-Catch NT stone retrieval device is flexible enough to conform to the anatomy while maintaining its shape to facilitate capture and release of stones. The no-tip design with four round wires minimizes tissue trauma during manipulation. This new basket is designed such that it gradually opens to capture stones of varying sizes.

- Small 1.9 Fr. sheath: Improved irrigation and visibility within small working channels.
- Flexible composite sheath: Maximum scope deflection and smooth scope passage.
- Gradual basket opening: Easy control over basket size to capture even small fragments.

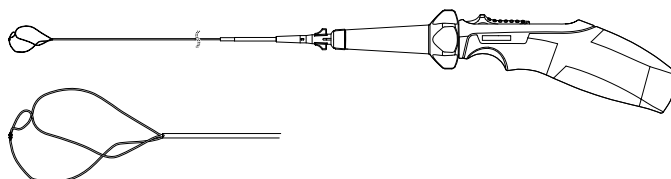


EGNT4F19115 1.9 Fr, Flex-Catch, NT Nitinol tipless basket

X-Catch NT Nitinol Basket**Precise Control. Versatile Performance:**

This unique cross paired-wire basket is designed to provide higher radial dilation force for stone manipulation in restricted anatomy. The paired construction enables capture of several small stones in one pass. The X-Catch NT basket has the performance and versatility to save you time and ensure successful outcomes.

- No-tip disc designs with round Nitinol wires; patented distal disc design is truly tipless and offers atraumatic basket manipulation.
- Backstop for greater wire surface area to prevent inadvertent stone escape.
- Wire scoops draw stones into the basket for capture by dragging past stone fragments.



EGNTCP18115 1.8 Fr, cross-paired X-Catch NT Nitinol tipless basket

EGNTCP22115 2.2 Fr, cross-paired X-Catch NT Nitinol tipless basket

EGNTCP30115 3.0 Fr, cross-paired X-Catch NT Nitinol tipless basket

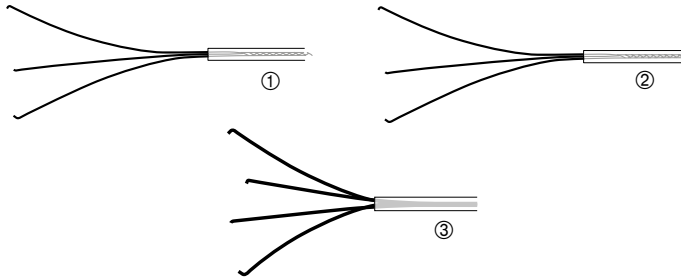
Stone Graspers

SurLok

SurLok Stone Graspers

Both 3- and 4-prong designs provide greater control during stone removal by delivering a true feeling of both grasper and stone. Graspers securely attach to the stone surface, but can also be easily released.

- Responsive design:
Provides accurate feel of stone and grasper.
- Strong, reliable prong design:
Holds stones securely and releases stones easily.
- Ergonomic handle and patented locking mechanism:
Enables precise manipulation and secure control.

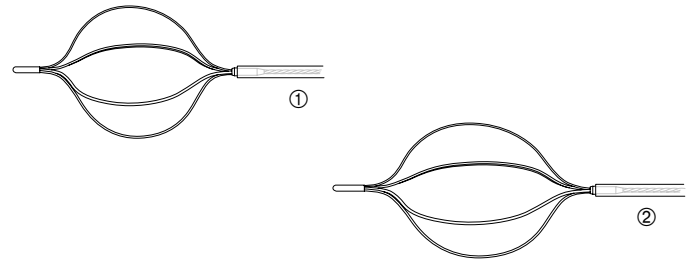


- | | | |
|---|------------------|---|
| ① | EG5720000 | SurLok stone grasper, 3-prong, 16 mm, sterile, single-use, 2.4 Fr. x 90 cm |
| | EG5720001 | SurLok stone grasper, 3-prong, 16 mm, sterile, single-use, 2.4 Fr. x 120 cm |
| | EG5720003 | SurLok stone grasper, 3-prong, 16 mm, sterile, single-use, 3 Fr. x 90 cm |
| | EG5720004 | SurLok stone grasper, 3-prong, 16 mm, sterile, single-use, 3 Fr. x 120 cm |
| ② | EG5720005 | SurLok stone grasper, 3-prong, 16 mm, nonretracting, sterile, single-use, 3 Fr. x 90 cm |
| | EG5720006 | SurLok stone grasper, 3-prong, 16 mm, nonretracting, sterile, single-use, 3 Fr. x 120 cm |
| | EG5720010 | SurLok stone grasper, 3-prong, 16 mm, nonretracting, sterile, single-use, 4.5 Fr. x 90 cm |
| ③ | EG5720008 | SurLok stone grasper, 4-prong, 16 mm, sterile, single-use, 3 Fr. x 120 cm |

SurLok Flat-Wire Baskets

Stainless steel wires open wide, promoting radial dilation of the ureter and easy stone encapsulation. The ability to feel the basket opening and closing provides better control during stone capture. Flat-wire edges are rounded to minimize mucosal trauma. Available with a filiform tip.

- Strong, responsive flat-wire stone baskets with enhanced opening strength
- Ergonomic handle and patented locking mechanism enables precise manipulation and secure control

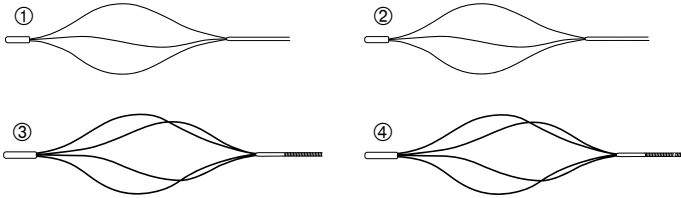


- | | | |
|---|------------------|---|
| ① | EG5710000 | SurLok basket, 4-wire, 16 mm, sterile, single-use, 2.4 Fr. x 70 cm |
| | EG5710001 | SurLok basket, 4-wire, 16 mm, sterile, single-use, 2.4 Fr. x 90 cm |
| | EG5710002 | SurLok basket, 4-wire, 16 mm, sterile, single-use, 2.4 Fr. x 120 cm |
| | EG5710003 | SurLok basket, 4-wire, 16 mm, sterile, single-use, 3 Fr. x 70 cm |
| | EG5710004 | SurLok basket, 4-wire, 16 mm, sterile, single-use, 3 Fr. x 90 cm |
| | EG5710005 | SurLok basket, 4-wire, 16 mm, sterile, single-use, 3 Fr. x 120 cm |
| ② | EG5710006 | SurLok basket, 4-wire, 20 mm, sterile, single-use, 3 Fr. x 90 cm |
| | EG5710007 | SurLok basket, 4-wire, 20 mm, sterile, single-use, 3 Fr. x 120 cm |
| | EG5710009 | SurLok basket, 4-wire, 20 mm, sterile, single-use, 4.5 Fr. x 70 cm |
| | EG5710010 | SurLok basket, 4-wire, 20 mm, sterile, single-use, 4.5 Fr. x 70 cm, 5 cm filiform |

SurLok Helical Baskets

Spiral shape helps engage and hold stones with greater efficacy. Rounded wires significantly minimize tissue trauma. Simple handle rotation facilitates easy capture of stone fragments. Available with a filiform tip and in 3-, 4-, and 6-wire designs.

- Broad selection:
Meets your specific needs.
- Strong, reliable designs:
Ensure controlled, accurate performance.
- Ergonomic handle and patented locking mechanism:
Enables precise manipulation and secure control.



- | | | |
|---|------------------|---|
| ① | EG5700002 | SurLok basket, 3-wire, helical, 10 mm, sterile, single-use, 1.9 Fr. x 120 cm |
| ② | EG5700003 | SurLok basket, 3-wire, helical, 11 mm, sterile, single-use, 3 Fr. x 70 cm |
| ③ | EG5700005 | SurLok basket, 4-wire, helical, 8.5 mm, sterile, single-use, 3 Fr. x 90 cm |
| | EG5700008 | SurLok basket, 4-wire, helical, 8.5 mm, sterile, single-use, 4.5 Fr. x 70 cm, 5 cm filiform |
| ④ | EG5700006 | SurLok basket, 4-wire, helical, 11 mm, sterile, single-use, 3 Fr. x 90 cm |
| | EG5700011 | SurLok basket, 4-wire, helical, 11 mm, sterile, single-use, 4.5 Fr. x 90 cm |

Ureteral Stents

Comfortable Fit for Every
Anatomy and Every Procedure



A ureteral stent must meet both the procedural needs of the surgeon and the comfort needs of the patient. The challenge is that every surgeon, patient, and stone removal procedure is different. To accommodate varying preferences, Olympus offers the largest selection of stents with the highest standards of quality and performance on the market. Dual- and single-durometer, Tecoflex and silicone — each with a selection of curl designs, tip configurations, and surface coatings.

Dual Durometer Tecoflex Stents

Molecularly bonding two types of Tecoflex creates a premium stent that is both firm and flexible. The stiffer proximal segment aids in easy placement while the softer distal segment assures exceptional patient comfort. Advanced hydrophilic coating glides over any guidewire, facilitating insertion through difficult anatomy. All configurations are radiopaque for clear fluoroscopic visualization.

- Sof-Curl ureteral stent
- Multi-Flex ureteral stent

Tecoflex Stents

The unique material properties of Tecoflex creates a stent that starts out firm for accurate and easy insertion and then softens at body temperature for exceptional patient comfort. Ultra-slippery hydrophilic coating reduces friction. Stents glide over guidewires and through the most difficult anatomy. Six high-performance designs ensure minimal migration and maximum patency of the ureter. All configurations are radiopaque for clear fluoroscopic visualization.

- Quadra-Coil multi-length ureteral stent
- Classic Double PigTail ureteral stent
- LithoStent ureteral stent
- Lubri-Flex ureteral stent

Silicone Stents

Exceptionally soft, biocompatible, and nonirritating. Ideal for long-term, indwell use with high resistance to encrustation. Choose from three different high-quality silicone stents. All configurations are radiopaque for clear fluoroscopic visualization.

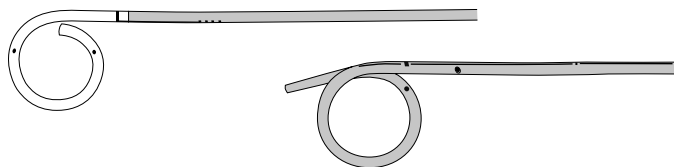
- Double-J ureteral stent
- Single J urinary diversion stent
- Uro-Guide ureteral stent

Ureteral Stents

Tecoflex

Sof-Curl

- Two durometers of unique Tecoflex provide firmness necessary for advancement and extra softness at body temperature for increased patient comfort.
- Unique soft bladder curl design reduces irritation to the trigone.
- Exclusive 360° kidney curl minimizes migration and reduces trauma during removal.
- Waxed, braided nylon tether:
Soft, safe, comfortable, and removable
- Axial ring, medial line, trailing suture, and incremental markings aid in proper placement and orientation.
- Ultra slippery hydrophilic coating on inside and outside surfaces:
Glides over any guidewire and through difficult anatomy.
- Spiral drainage hole design resists kinking and buckling.
- Radiopaque filler provides clear fluoroscopic visualization.



EG5626022	Sof-Curl ureteral stent, 6 Fr. x 22 cm
EG5626024	Sof-Curl ureteral stent, 6 Fr. x 24 cm
EG5626026	Sof-Curl ureteral stent, 6 Fr. x 26 cm
EG5626028	Sof-Curl ureteral stent, 6 Fr. x 28 cm
EG5627022	Sof-Curl ureteral stent, 7 Fr. x 22 cm
EG5627024	Sof-Curl ureteral stent, 7 Fr. x 24 cm
EG5627026	Sof-Curl ureteral stent, 7 Fr. x 26 cm
EG5627028	Sof-Curl ureteral stent, 7 Fr. x 28 cm

sterile, single-use

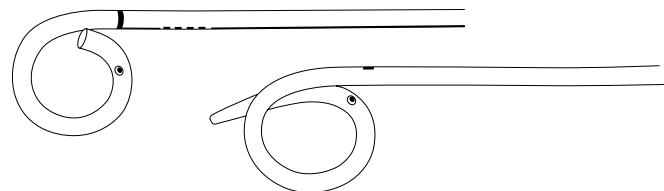
Delivery includes:

Stent, attached braided nylon tether, RAMROD metal tip push catheter

Classic Double PigTail

Classic Double PigTail Ureteral Stents have an exclusive balanced-curved double pigtail design that minimizes migration. They also feature unique Tecoflex construction for easy insertion and enhanced patient comfort.

- Advanced Tecoflex construction:
Firm during placement for easier stent passage, then softens at body temperature for increased patient comfort.
- Exclusive bladder curl design provides balanced stability and comfort.
- Exclusive 360° kidney curl minimizes migration and reduces trauma during removal.
- Ultra slippery hydrophilic coating on inside and outside surfaces
glides over any guidewire and through difficult anatomy.
- Axial ring, medial line, trailing suture, and incremental markings aid in proper placement and orientation.
- Spiral drainage hole design resists kinking and buckling.



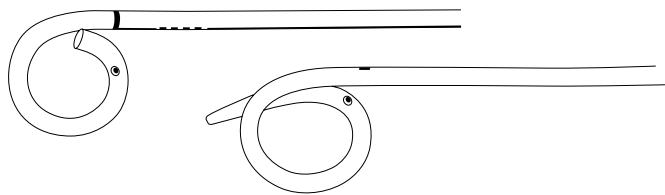
EG5604508	Classic Double PigTail stent, 4.5 Fr. x 8 cm
EG5604510	Classic Double PigTail stent, 4.5 Fr. x 10 cm
EG5604512	Classic Double PigTail stent, 4.5 Fr. x 12 cm
EG5604514	Classic Double PigTail stent, 4.5 Fr. x 14 cm
EG5604516	Classic Double PigTail stent, 4.5 Fr. x 16 cm
EG5604518	Classic Double PigTail stent, 4.5 Fr. x 18 cm
EG5604520	Classic Double PigTail stent, 4.5 Fr. x 20 cm
EG5604522	Classic Double PigTail stent, 4.5 Fr. x 22 cm
EG5604524	Classic Double PigTail stent, 4.5 Fr. x 24 cm
EG5604526	Classic Double PigTail stent, 4.5 Fr. x 26 cm
EG5604528	Classic Double PigTail stent, 4.5 Fr. x 28 cm
EG5606020	Classic Double PigTail stent, 6 Fr. x 20 cm
EG5606022	Classic Double PigTail stent, 6 Fr. x 22 cm
EG5606024	Classic Double PigTail stent, 6 Fr. x 24 cm
EG5606026	Classic Double PigTail stent, 6 Fr. x 26 cm

coated, sterile, single-use

Delivery includes:

Stent, attached braided nylon tether, RAMROD metal tip push catheter

Classic Double PigTail (cont.)

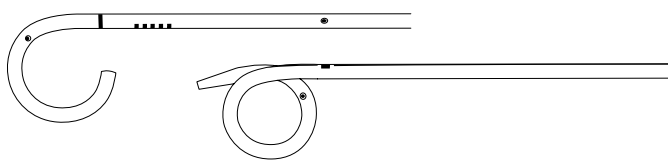


EG5606028	Classic Double PigTail stent, coated, 6 Fr. x 28 cm
EG5606030	Classic Double PigTail stent, coated, 6 Fr. x 30 cm
EG5607020	Classic Double PigTail stent, coated, 7 Fr. x 20 cm
EG5607022	Classic Double PigTail stent, coated, 7 Fr. x 22 cm
EG5607024	Classic Double PigTail stent, coated, 7 Fr. x 24 cm
EG5607026	Classic Double PigTail stent, coated, 7 Fr. x 26 cm
EG5607028	Classic Double PigTail stent, coated, 7 Fr. x 28 cm
EG5607030	Classic Double PigTail stent, coated, 7 Fr. x 30 cm
EG5608520	Classic Double PigTail stent, coated, 8.5 Fr. x 20 cm
EG5608522	Classic Double PigTail stent, coated, 8.5 Fr. x 22 cm
EG5608524	Classic Double PigTail stent, coated, 8.5 Fr. x 24 cm
EG5608526	Classic Double PigTail stent, coated, 8.5 Fr. x 26 cm
EG5608528	Classic Double PigTail stent, coated, 8.5 Fr. x 28 cm
EG5608530	Classic Double PigTail stent, coated, 8.5 Fr. x 30 cm
EG5614508	Classic Double PigTail stent, uncoated, 4.5 Fr. x 8 cm
EG5614510	Classic Double PigTail stent, uncoated, 4.5 Fr. x 10 cm
EG5614512	Classic Double PigTail stent, uncoated, 4.5 Fr. x 12 cm
EG5614514	Classic Double PigTail stent, uncoated, 4.5 Fr. x 14 cm
EG5614516	Classic Double PigTail stent, uncoated, 4.5 Fr. x 16 cm
EG5614520	Classic Double PigTail stent, uncoated, 4.5 Fr. x 20 cm
EG5614522	Classic Double PigTail stent, uncoated, 4.5 Fr. x 22 cm
EG5614524	Classic Double PigTail stent, uncoated, 4.5 Fr. x 24 cm
EG5614526	Classic Double PigTail stent, uncoated, 4.5 Fr. x 26 cm
EG5614528	Classic Double PigTail stent, uncoated, 4.5 Fr. x 28 cm
EG5616020	Classic Double PigTail stent, uncoated, 6 Fr. x 20 cm
EG5616022	Classic Double PigTail stent, uncoated, 6 Fr. x 22 cm
EG5616024	Classic Double PigTail stent, uncoated, 6 Fr. x 24 cm
EG5616026	Classic Double PigTail stent, uncoated, 6 Fr. x 26 cm
EG5616028	Classic Double PigTail stent, uncoated, 6 Fr. x 28 cm
EG5616030	Classic Double PigTail stent, uncoated, 6 Fr. x 30 cm
EG5617022	Classic Double PigTail stent, uncoated, 7 Fr. x 22 cm
EG5617024	Classic Double PigTail stent, uncoated, 7 Fr. x 24 cm
EG5617026	Classic Double PigTail stent, uncoated, 7 Fr. x 26 cm
EG5617028	Classic Double PigTail stent, uncoated, 7 Fr. x 28 cm
EG5617030	Classic Double PigTail stent, uncoated, 7 Fr. x 30 cm
EG5618520	Classic Double PigTail stent, uncoated, 8.5 Fr. x 20 cm
EG5618522	Classic Double PigTail stent, uncoated, 8.5 Fr. x 22 cm
EG5618524	Classic Double PigTail stent, uncoated, 8.5 Fr. x 24 cm
EG5618526	Classic Double PigTail stent, uncoated, 8.5 Fr. x 26 cm
EG5618528	Classic Double PigTail stent, uncoated, 8.5 Fr. x 28 cm
EG5618530	Classic Double PigTail stent, uncoated, 8.5 Fr. x 30 cm

sterile, single-use

Lubri-Flex

- Advanced Tecoflex construction:
 - Firm during placement for easier stent passage, then softens at body temperature for increased patient comfort.
- Unique 270° bladder curl: Less material minimizes trigone irritation.
- Exclusive 360° kidney curl:
 - Minimizes migration and reduces trauma during removal.
- Ultra slippery hydrophilic coating on inside and outside surfaces:
 - Glides over any guidewire and through difficult anatomy.
- Axial ring, medial line, trailing suture, and incremental markings aid in proper placement and orientation.
- Spiral drainage hole design resists kinking and buckling.
- Radiopaque filler provides clear fluoroscopic visualization.



EG5554508	Lubri-Flex ureteral stent, 4.5 Fr. x 8 cm
EG5554510	Lubri-Flex ureteral stent, 4.5 Fr. x 10 cm
EG5554512	Lubri-Flex ureteral stent, 4.5 Fr. x 12 cm
EG5554514	Lubri-Flex ureteral stent, 4.5 Fr. x 14 cm
EG5554516	Lubri-Flex ureteral stent, 4.5 Fr. x 16 cm
EG5554518	Lubri-Flex ureteral stent, 4.5 Fr. x 18 cm
EG5554520	Lubri-Flex ureteral stent, 4.5 Fr. x 20 cm
EG5554522	Lubri-Flex ureteral stent, 4.5 Fr. x 22 cm
EG5554524	Lubri-Flex ureteral stent, 4.5 Fr. x 24 cm
EG5554526	Lubri-Flex ureteral stent, 4.5 Fr. x 26 cm
EG5554528	Lubri-Flex ureteral stent, 4.5 Fr. x 28 cm
EG5556022	Lubri-Flex ureteral stent, 6 Fr. x 22 cm
EG5556024	Lubri-Flex ureteral stent, 6 Fr. x 24 cm
EG5556026	Lubri-Flex ureteral stent, 6 Fr. x 26 cm
EG5556028	Lubri-Flex ureteral stent, 6 Fr. x 28 cm
EG5556030	Lubri-Flex ureteral stent, 6 Fr. x 30 cm
EG5557022	Lubri-Flex ureteral stent, 7 Fr. x 22 cm
EG5557024	Lubri-Flex ureteral stent, 7 Fr. x 24 cm
EG5557026	Lubri-Flex ureteral stent, 7 Fr. x 26 cm
EG5557028	Lubri-Flex ureteral stent, 7 Fr. x 28 cm
EG5557030	Lubri-Flex ureteral stent, 7 Fr. x 30 cm
EG5558522	Lubri-Flex ureteral stent, 8.5 Fr. x 22 cm
EG5558524	Lubri-Flex ureteral stent, 8.5 Fr. x 24 cm
EG5558526	Lubri-Flex ureteral stent, 8.5 Fr. x 26 cm
EG5558528	Lubri-Flex ureteral stent, 8.5 Fr. x 28 cm
EG5558530	Lubri-Flex ureteral stent, 8.5 Fr. x 30 cm

sterile, single-use

Delivery includes:

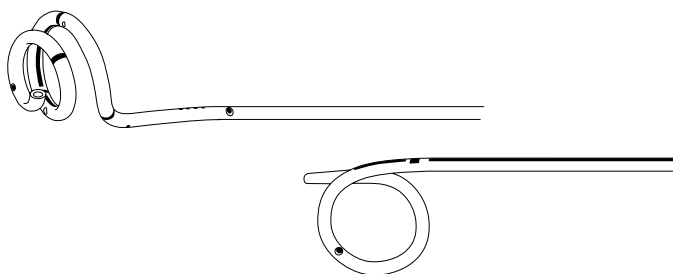
Stent, attached braided nylon tether, RAMROD metal tip push catheter

Ureteral Stents

Tecoflex
(cont.)**Quadra-Coil Multi-Length**

A high performance Tecoflex stent that saves inventory, shelf space, and resources. Quadra-Coil Multi-Length ureteral stents accommodate ureteral lengths from 22 cm to 28 cm. An ultra-slippery hydrophilic coating allows the Quadra-Coil to glide over any guidewire and through the most difficult anatomy. These stents provide ease of placement and patient comfort in a multi-length stent.

- Advanced Tecoflex construction:
Firm during placement for easier passage, then softens at body temperature for increased patient comfort.
- Accommodates ureteral lengths from 22 – 28 cm:
Saves inventory, shelf space, and resources.
- Exclusive 360° kidney curl minimizes migration and reduces trauma during removal.
- Exclusive bladder curl design balances with the kidney curl: Minimizes migration; reduces trigone irritation.
- Ultra-slippery hydrophilic coating inside and outside:
Advance over any guidewire and through difficult anatomy.
- Axial ring, medial line, trailing suture, and incremental markings aid in proper placement and orientation.
- Spiral drainage hole design resists kinking and buckling.
- Radiopaque filler provides clear fluoroscopic visualization.



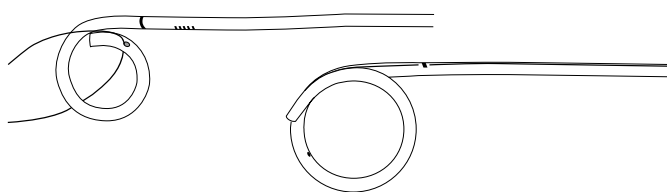
EG5001945	UroGuide ureteral stent, sterile, single-use, 4.5 Fr.
EG5001960	UroGuide ureteral stent, sterile, single-use, 6 Fr.
EG5001970	UroGuide ureteral stent, sterile, single-use, 7 Fr.
EG5001985	UroGuide ureteral stent, sterile, single-use, 8.5 Fr.

Delivery includes:

Stent, attached braided nylon tether, RAMROD metal tip push catheter

LithoStent

- Advanced Tecoflex construction:
Strong for easy placement and softens for enhanced patient comfort.
- Outside grooves accommodate urine and stone particles:
Excellent flow.
- Stronger design than round stents:
Resists collapse and compression.
- Ultra-slippery hydrophilic coating:
Easy insertion and removal
- Spiral drainage hole design resists kinking and buckling.
- Radiopaque filler provides clear fluoroscopic visualization.



EG5637008	LithoStent ureteral stent, sterile, single-use, 7 Fr. x 8 cm
EG5637010	LithoStent ureteral stent, sterile, single-use, 7 Fr. x 10 cm
EG5637012	LithoStent ureteral stent, sterile, single-use, 7 Fr. x 12 cm
EG5637016	LithoStent ureteral stent, sterile, single-use, 7 Fr. x 16 cm
EG5637022	LithoStent ureteral stent, sterile, single-use, 7 Fr. x 22 cm
EG5637024	LithoStent ureteral stent, sterile, single-use, 7 Fr. x 24 cm
EG5637026	LithoStent ureteral stent, sterile, single-use, 7 Fr. x 26 cm
EG5637028	LithoStent ureteral stent, sterile, single-use, 7 Fr. x 28 cm
EG5637030	LithoStent ureteral stent, sterile, single-use, 7 Fr. x 30 cm

Delivery includes:

Stent, attached braided nylon tether, RAMROD metal tip push catheter

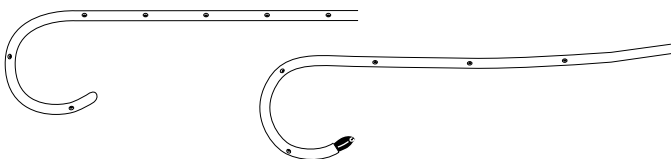
Ureteral Stents

Silicone

Double-J

The Double-J ureteral stents revolutionized stenting over 30 years ago. Today, it remains one of the most widely used stents in the world.

- Proven, time-tested silicone provides excellent patient comfort and reduces stent encrustation.
- Proximal and distal "J" curls balance stability and comfort.
- One-step insertion, easy cystoscopic and surgical placement
- Unique black kidney tip, medial line, and a full set of incremental markings aid in accurate, simple placement.
- Radiopaque filler provides clear fluoroscopic visualization.



EG5201800	Double-J ureteral stent, 6 Fr. x 12 cm
EG5202000	Double-J ureteral stent, 6 Fr. x 16 cm
EG5202600	Double-J ureteral stent, 6 Fr. x 20 cm
EG5202700	Double-J ureteral stent, 6 Fr. x 22 cm
EG5202800	Double-J ureteral stent, 6 Fr. x 24 cm
EG5202100	Double-J ureteral stent, 6 Fr. x 26 cm
EG5202200	Double-J ureteral stent, 6 Fr. x 28 cm
EG5202400	Double-J ureteral stent, 6 Fr. x 30 cm
EG5203600	Double-J ureteral stent, 7 Fr. x 12 cm
EG5204000	Double-J ureteral stent, 7 Fr. x 16 cm
EG5204600	Double-J ureteral stent, 7 Fr. x 20 cm
EG5204700	Double-J ureteral stent, 7 Fr. x 22 cm
EG5204800	Double-J ureteral stent, 7 Fr. x 24 cm
EG5204100	Double-J ureteral stent, 7 Fr. x 26 cm
EG5204200	Double-J ureteral stent, 7 Fr. x 28 cm
EG5204400	Double-J ureteral stent, 7 Fr. x 30 cm
EG5208600	Double-J ureteral stent, 8.5 Fr. x 12 cm
EG5209000	Double-J ureteral stent, 8.5 Fr. x 16 cm
EG5209600	Double-J ureteral stent, 8.5 Fr. x 20 cm
EG5209050	Double-J ureteral stent, 8.5 Fr. x 22 cm
EG5209800	Double-J ureteral stent, 8.5 Fr. x 24 cm
EG5209100	Double-J ureteral stent, 8.5 Fr. x 26 cm
EG5209200	Double-J ureteral stent, 8.5 Fr. x 28 cm
EG5209400	Double-J ureteral stent, 8.5 Fr. x 30 cm

closed ends, sterile, single-use

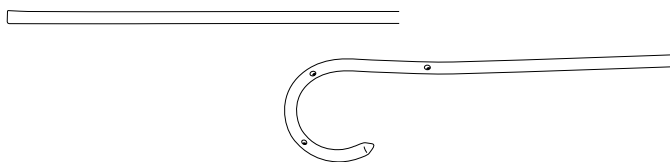
Delivery includes:

Stent, .028" x 120 cm PTFE-coated guidewire, push catheter

Single J Urinary Diversion

Single J urinary diversion stents help promote healing after surgery. Following cystectomy, the Single J guards against anastomotic stricture, supports the ideal intestinal anastomosis, and assists in the prevention of postoperative leakage. Following ureteroscopy, the Single J stent helps prevent ureteral strictures, promotes rapid healing, and may be removed without cystoscopy.

- Proven, time-tested silicone:
Enhanced patient comfort; reduces stent encrustation.
- Medial line and incremental markings:
Aids in proper placement.
- Radiopaque filler:
Provides clear fluoroscopic visualization.



EG5230600	Single J urinary diversion stent, silicone, closed tip, open proximal, sterile, single-use, 7 Fr. x 90 cm
EG5230800	Single J urinary diversion stent, silicone, closed tip, open proximal, sterile, single-use, 8.5 Fr. x 90 cm

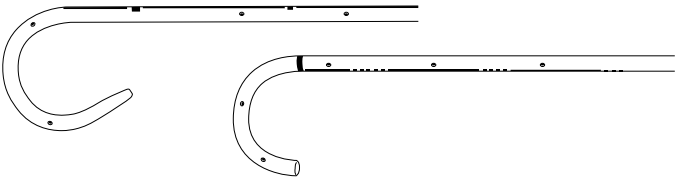
Delivery includes:

Two stents, one .028" x 120 cm PTFE-coated guidewire

UroGuide

UroGuide ureteral stents were the first silicone over-the-wire stents and have a classic Double-J design with an open tip. They are composed of time-tested biocompatible silicone material, which provides maximum patient comfort while minimizing stent encrustation.

- Proven, time-tested silicone provides excellent patient comfort and reduces stent encrustation.
- Tapered-tip design aids in placement and reduces tissue trauma.
- Radiopaque filler provides clear fluoroscopic visualization.
- Axial ring, medial line, and incremental markings aid in proper placement and orientation.
- Trailing suture eases removal without secondary cystoscopy.
- Radiopaque filler provides clear fluoroscopic visualization.



EG5496022 UroGuide ureteral stent, 6 Fr. x 22 cm

EG5496024 UroGuide ureteral stent, 6 Fr. x 24 cm

EG5496026 UroGuide ureteral stent, 6 Fr. x 26 cm

EG5496028 UroGuide ureteral stent, 6 Fr. x 28 cm

EG5496030 UroGuide ureteral stent, 6 Fr. x 30 cm

EG5497022 UroGuide ureteral stent, 7 Fr. x 22 cm

EG5497024 UroGuide ureteral stent, 7 Fr. x 24 cm

EG5497026 UroGuide ureteral stent, 7 Fr. x 26 cm

EG5497028 UroGuide ureteral stent, 7 Fr. x 28 cm

EG5497030 UroGuide ureteral stent, 7 Fr. x 30 cm

EG5498522 UroGuide ureteral stent, 8.5 Fr. x 22 cm

EG5498524 UroGuide ureteral stent, 8.5 Fr. x 24 cm

EG5498526 UroGuide ureteral stent, 8.5 Fr. x 26 cm

EG5498528 UroGuide ureteral stent, 8.5 Fr. x 28 cm

EG5498530 UroGuide ureteral stent, 8.5 Fr. x 30 cm

sterile, single-use

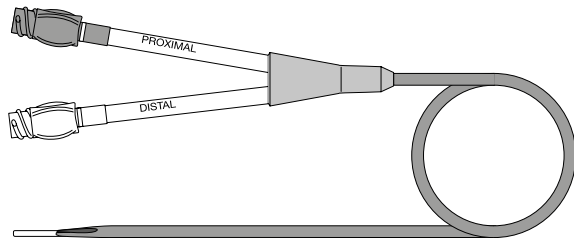
Delivery includes:

Stent, attached braided nylon tether, push catheter

Dual Lumen Catheter

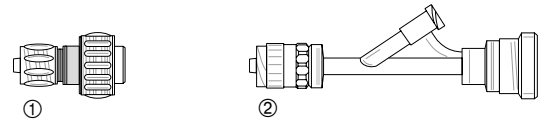
Designed to facilitate easy insertion and accurate placement

- 10 Fr. Dual Lumen Catheter
Torque-stable shaft eases catheter manipulation into the ureteral orifice and up the ureter. Radiopaque for clear visualization. Soft tip minimizes trauma during access.
- 6 Fr. tip gradually transitions to 10 Fr body to effectively dilate the ureteral orifice.
- Kink-resistant body for easy insertion
- Color coded distal tip and proximal lumen for intuitive guidewire placement



EG608BX Dual lumen ureteral catheter, 10 Fr. x 60 cm, sterile, single-use, 5 pcs.

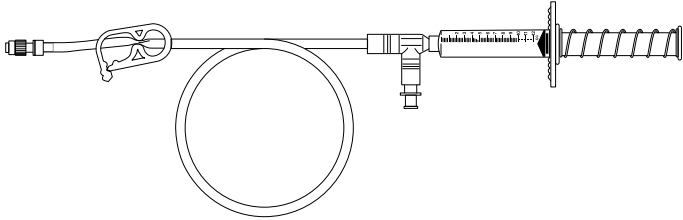
Biopsy Port Seals



- ① **EGBPS-A** Biopsy port seal, adjustable, for accessories up to 6 Fr., sterile, single-use, 5 pcs.
- ② **EGBPS-Y** Biopsy port seal, Y-adapter, adjustable, for accessories up to 9 Fr., sterile, single-use, 5 pcs.

Irri-Flo II

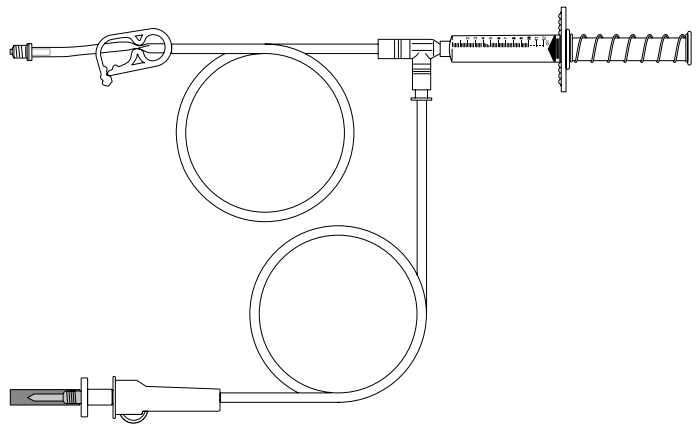
- Gravity feed:
Flushes away debris slowly and continuously for a clear view.
- Large bore one-way valve before syringe T:
Maximizes flow and rate of refilling the syringe.
- 36" endoscope inflow tubing:
Syringe may be operated by physician or assistant.
- Ratchet clamp:
Stops flow when irrigation is not needed.
- 12 ml spring-assisted syringe fills automatically:
Aids aspiration and injection of contrast.



EG5920002BX Irri-Flo II irrigation delivery system, sterile, single-use, 5 pcs.
Delivery includes:
 5 systems, each consisting of:
 12 ml syringe, universal Luer-Lock, ratchet clamp for flow regulation, 36" endoscope inflow tubing

Irri-Flo

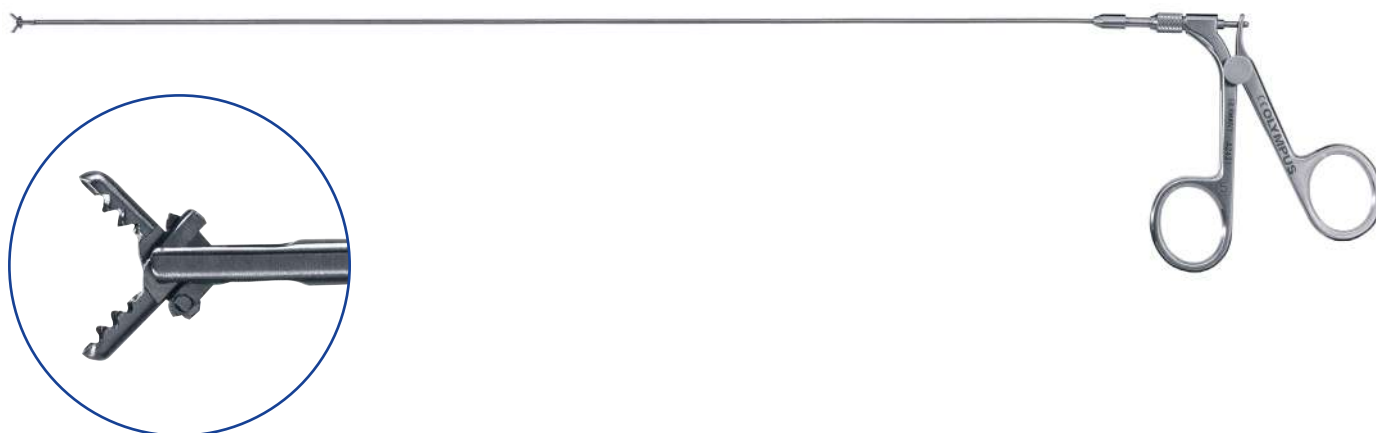
- Gravity feed:
Flushes away debris slowly and continuously for a clear view.
- Large bore one-way valve before syringe T:
Maximizes flow and rate of refilling the syringe.
- 36" endoscope inflow tubing:
Syringe may be operated by physician or assistant.
- Ratchet clamp:
Stops flow when irrigation is not needed.
- 12 ml spring-assisted syringe fills automatically:
Aids aspiration and injection of contrast.
- 8' solution bag tubing with spike:
Connects directly to solution bag, reduces setup and procedure time.
- Large inner diameter solution bag tubing:
Maximum gravity flow



EG5920000 Irri-Flo irrigation delivery system, sterile, single-use
Delivery includes:
 12 ml syringe, universal Luer-Lock, ratchet clamp and roller clamp for flow regulation, 8' solution bag tubing, 36" endoscope inflow tubing

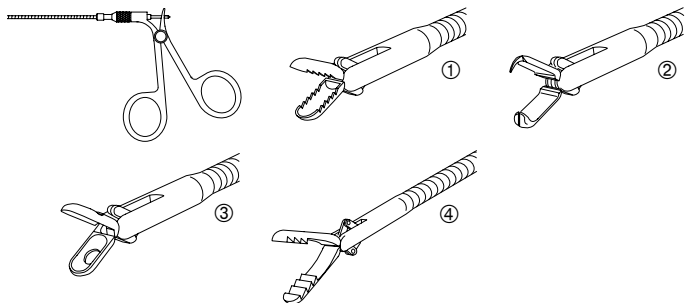
Reusable and Single Use Instruments

for semirigid and flexible Ureteroscopy



- Reusable autoclavable forceps
- Flexible and semi-flexible design

Flexible Forceps



- ① **A2421** Grasping forceps, 5 Fr. x 640 mm, toothed, for removal of stones, restoring spring
- ② **A2422** Grasping forceps, 5 Fr. x 640 mm, rat tooth, for removal of stones, restoring spring
- ③ **A2423** Biopsy forceps, 5 Fr. x 640 mm, for biopsy, restoring spring
- ④ **A2580** Grasping forceps, 3 Fr. x 600 mm, for grasping of stone fragments, double action jaws, restoring spring

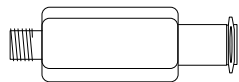
Reusable

Accessories



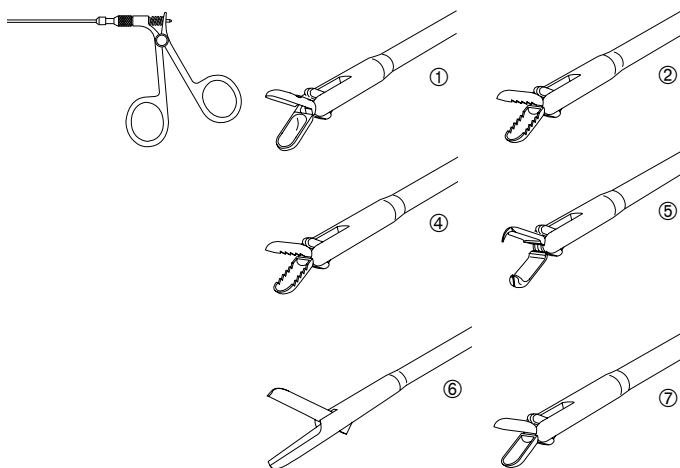
- A0400** Sealing cap, blue, for Luer-lock, 6 pcs.

Cleaning Adapter



- WA0401CA** Cleaning adapter, for hand instruments without Luer-lock connector
 - Compatible hand instruments: A2421, A2422, A2423, A2580, A2499, A2500

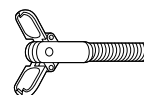
Semi-Flexible Forceps



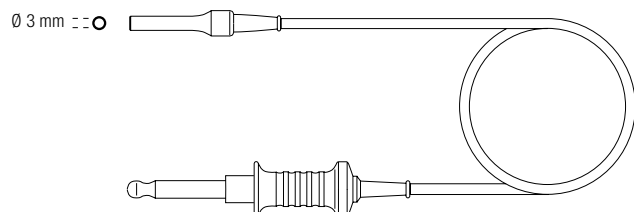
- ① **A2499** Biopsy forceps, 5 Fr. x 570 mm, double action, restoring spring
- ② **A2500** Grasping forceps, 5 Fr. x 570 mm, stone grasper, double action, restoring spring
- ④ **A2574** Grasping forceps, 5 Fr. x 600 mm, double action, restoring spring
- ⑤ **A2575** Grasping forceps, 5 Fr. x 600 mm, mice teeth, double action, restoring spring
- ⑥ **A2576** Scissors, 5 Fr. x 600 mm single action, for cutting of strictures, restoring spring
- ⑦ **A2577** Biopsy forceps, 5 Fr. x 600 mm double action, restoring spring

Reusable

Flexible and Semi-Flexible Forceps



- N6008330** Biopsy forceps "FB-456D", 1.2 mm x 1150 mm, single use

HF Electrodes and Cables**A0335.1**

HF cable,
monopolar

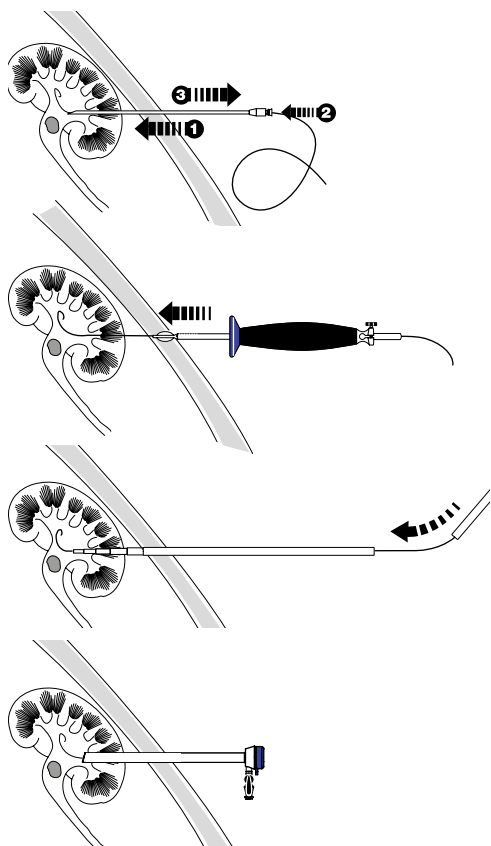
Compatible HF units:

- ESG-400
- ESG-410
- Valleylab (new)

Percutaneous Access

Olympus has designed a line of surgical instruments perfectly suited for creating percutaneous access:

- Telescope bougies for smooth dilation of the percutaneous tract
- Lumbotome for safe pre-cutting of scar tissue



Operative Procedure (Schematic)

Assisted by a combination of X-ray and ultrasound the kidney is punctured with a hollow needle. A guide wire is inserted through the puncture needle. The puncture needle is then removed.

The lumbotome is inserted over the guide wire to cut muscle and scar tissue.

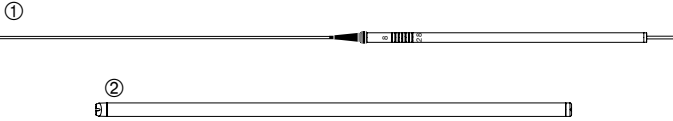
The puncture is dilated up to 23 or 25 Fr. by means of bougie tubes.

An Amplatz sheath for overflow irrigation or a nephroscopeouter sheath for continuous flow irrigation is introduced into the kidney.

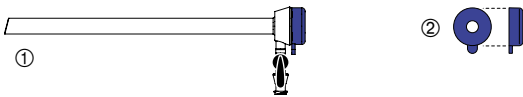
After the track has been established, the nephroscope sheath can be inserted into the renal pelvis.

Lumbotome according to Korth

- ① **A3328** Knife,
guided, double

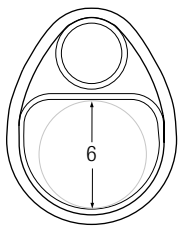
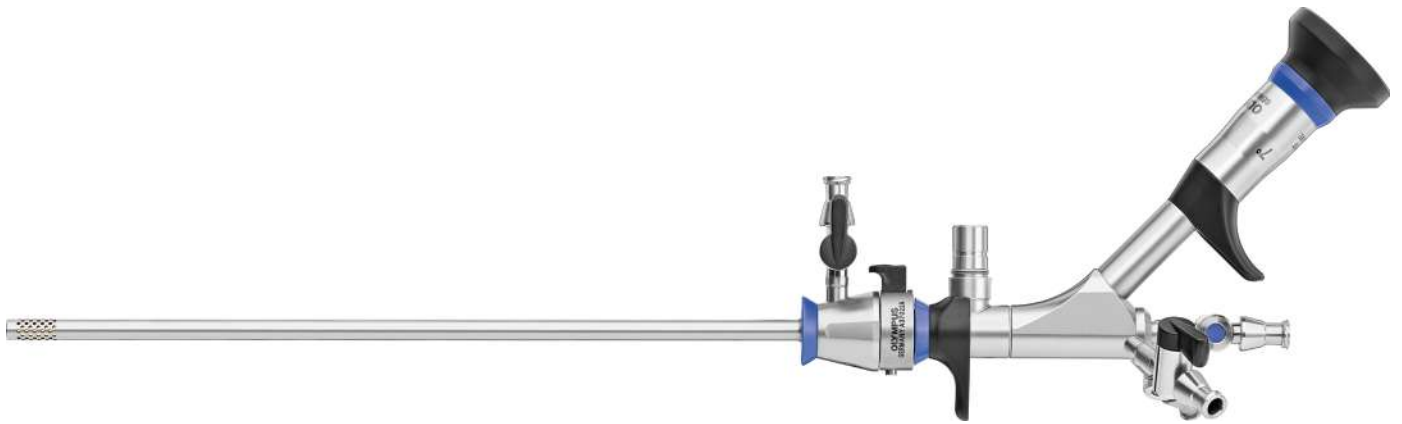
Bougies

- ① **WA33027A** Bougie tubes,
set 9 – 28 Fr.
- ② **WA33028A** Guiding tube,
for second guide wire,
for WA33027A

Amplatz Sheath

- ① **WA33038A** Sheath,
acc. to Amplatz,
28 Fr.
- ② **A5858** Sealing cap,
7 mm, 10 pcs.,
blue
▪ Reusable/non-sterile

Mini-Nephroscope



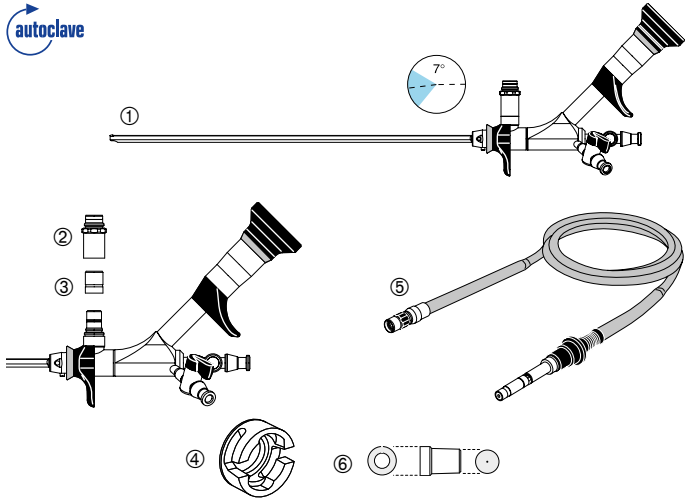
A37025A

Sheath profile

OES PRO

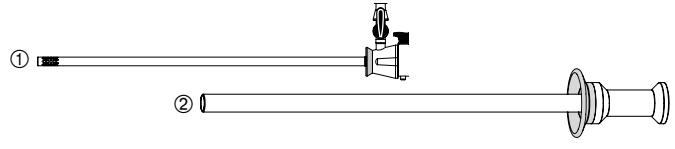
- Single, continuous and open flow configurations available
- 18 Fr. and 20 Fr. sheath that enables a suction effect
- Large 7.5 Fr. oval channel, straight
- Up to 6 Fr. passage
- Pediatric and adult mini-nephroscope
- Stainless steel

OP Telescope



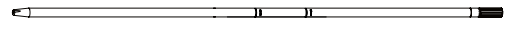
- ① **A37025A** OP telescope, 7°, 11 Fr. x 220 mm, 7.5 Fr. channel, angled ocular *OP telescopes are delivered with instrument tray A05961A.*
 - Up to 6 Fr. passage
- ② **A0460** Light-guide adapter, for OES 4000 light-guide cables
- ③ **00332** Light-guide adapter, for Wolf light-guide cables
- ④ **WA37025B** Adapter, meatus stopper, for A37025A
- ⑤ **WA03300A** Light-guide cable, 2.8 mm, 3 m, CF type
- ⑥ **A0387** Sealing cap, 0.7 mm, black, 10 pcs.
 - Reusable/ non-sterile

Nephroscope Sheath



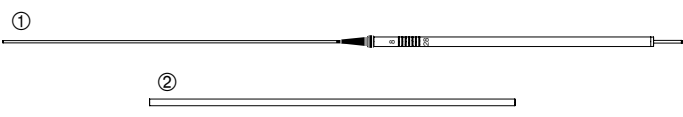
- ① **A37022A** Outer sheath, 15.9 Fr., fixed, includes guiding tube WA37031A
- ② **WA2PS18S** Sheath, 18 Fr., 130 mm
- WA2PS18L** Sheath, 18 Fr., 160 mm
- WA2PS20S** Sheath, 20 Fr., 130 mm
- WA2PS20L** Sheath, 20 Fr., 160 mm

Mini-PCNL Dilators



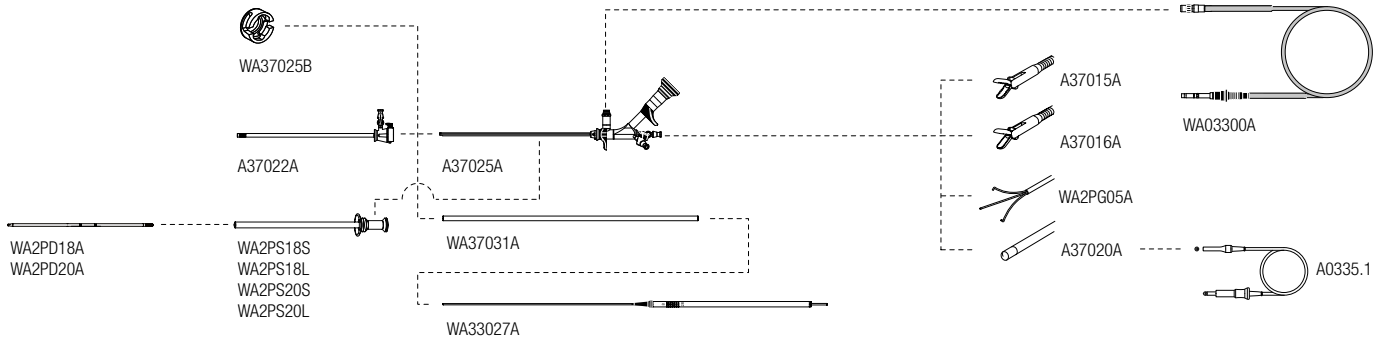
- WA2PD18A** Dilator, 15 Fr., for 18 Fr. sheath, 390 mm
 - single-step, dual lumen
- WA2PD20A** Dilator, 17 Fr., for 20 Fr. sheath, 390 mm
 - single-step, dual lumen

Bougie Set



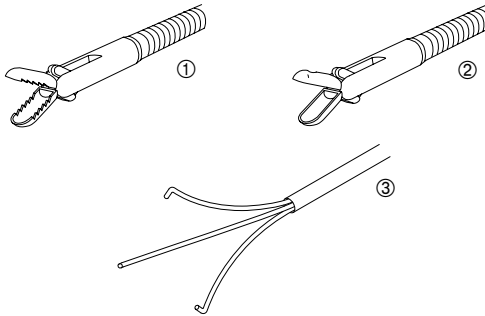
- ① **WA33027A** Bougie tubes, set 9 – 28 Fr.
- ② **WA37031A** Guiding tube, for WA33027A
Adapts bougie tubes WA33027A to nephroscope sheath A37022A.

System Chart



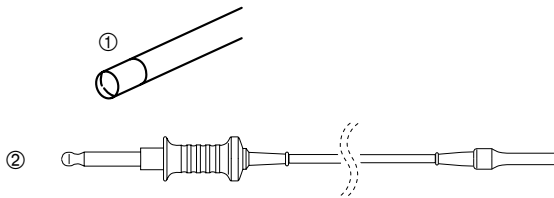
Mini-Nephroscope (cont.)

Semi-Flexible Hand Instruments



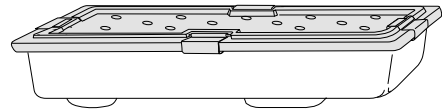
- ① **A37015A** Grasping forceps, 5 Fr. x 340 mm, semi-flexible
- ② **A37016A** Biopsy forceps, 5 Fr. x 340 mm, semi-flexible
- ③ **WA2PG05A** Grasping forceps, three-nail, 5 Fr. x 340 mm

HF Electrode



- ① **A37020A** HF electrode, button, 3 Fr. x 370 mm, flexible
 - Reusable/ non-sterile
- ② **A0335.1** HF cable, monopolar
Compatible HF units:
 - ESG-400
 - ESG-410
 - Valleylab (new)

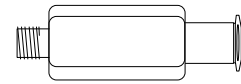
Instrument Tray



- A05961A** Instrument tray, for OP telescope

For plastic instrument trays, see page 653.

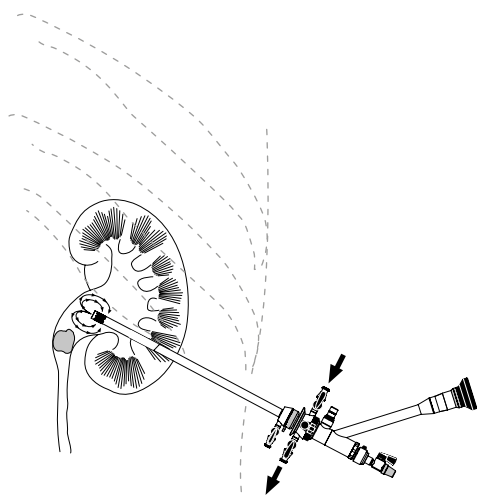
Cleaning Adapter



- WA0401CA** Cleaning adapter, for hand instruments without Luer-lock connector
 - Compatible to semi-flexible hand instruments

High-Flow Nephroscope

OES Pro

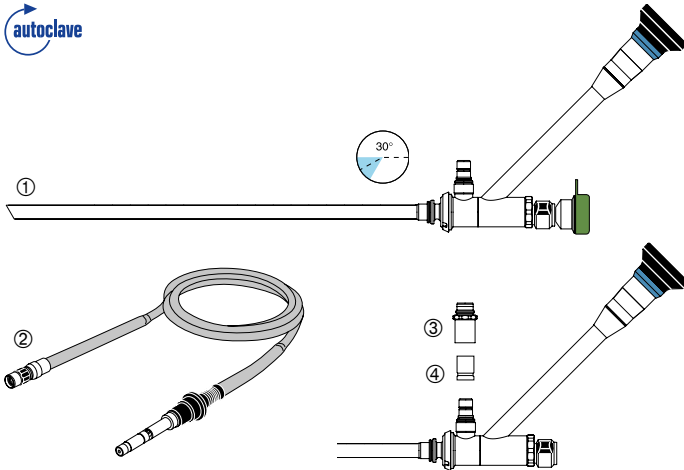


By combining the latest hybrid-lens technology with a high-flow sheath design, the percutaneous nephroscope offers unsurpassed image quality.

- The 14.5 Fr. (4 mm passage) working channel accommodates a variety of grasping forceps and lithotripsy probes.
- 30° direction of view
- Nephroscope outer sheath for continuous flow nephroscopy and Amplatz sheath for overflow irrigation
- Increased working length of 230 mm
- Alternative use: compact cystoscope
- Special guiding tube for flexible cysto-nephrofiberscopes

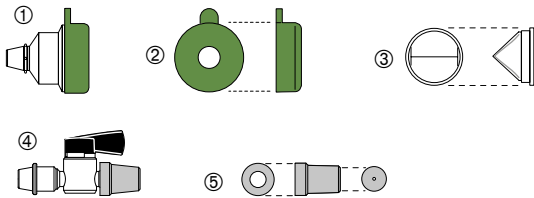


OES Pro Nephroscope



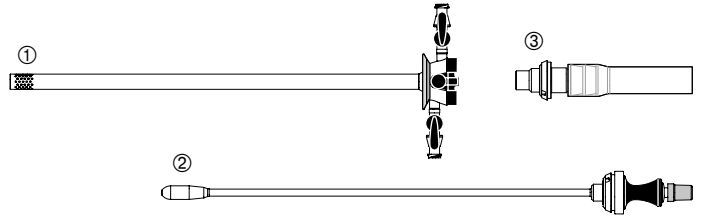
- ① **WA33036A** OP telescope, 30° direction of view, 4 mm channel
Delivery includes: attachment A3342
- ② **WA03300A** Light-guide cable, 2.8 mm, 3 m, CF type
- ③ **A0460** Light-guide adapter, for OES 4000 light-guide cables
- ④ **00332** Light-guide adapter, for Wolf light-guide cables

Attachments for Nephroscope



- ① **A3342** Attachment, with automatic valve
- ② **A4558** Sealing cap, 2 mm, 10 pcs., green, for A3342
▪ Reusable/non-sterile
- ③ **A00001A** Valve, 10 pcs., transparent, for A3342
- ④ **WA33039A** Attachment, with stopcock
- ⑤ **00201** Sealing cap, 2.8 mm, 10 pcs., gray, for WA33039A
▪ Reusable/non-sterile

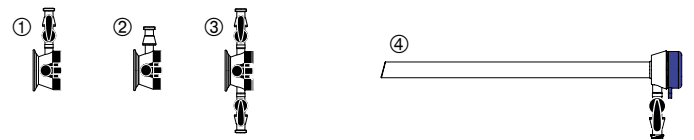
Continuous Flow Irrigation



- ① **WA33037A** Outer sheath, 25 Fr., rotatable
- ② **WA33025A** Obturator, for WA33037A, for use of WA33036A as a compact cystoscope
- ③ **WA33026A** Adapter, OES Pro outer sheath to Elik evacuator/bladder syringe

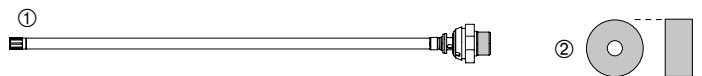
☑ For bladder syringes, see page 55.

Overflow Irrigation



- ① **A22051A** Irrigation port, for resection sheaths, 1 stopcock, rotatable
- ② **A22052A** Irrigation port, for resection sheaths, 1 Luer-lock connector, rotatable
- ③ **A22053A** Irrigation port, for resection sheaths, 2 stopcocks, rotatable
- ④ **WA33038A** Sheath, acc. to Amplatz, 28 Fr.

Use of Fiberscopes



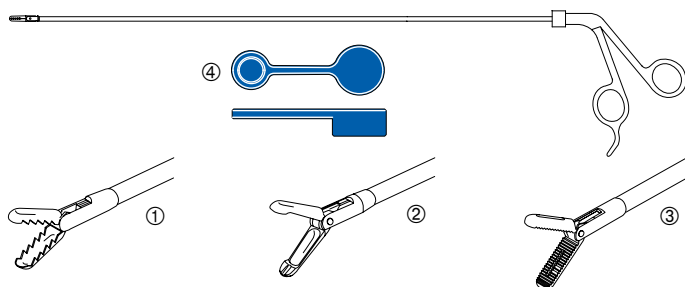
- ① **WA33040A** Guiding tube, for CYF-5 cysto-nephroscopes
- ② **A0206** Sealing cap, 4 mm, 10 pcs., gray, for A3340
▪ Reusable/non-sterile

☑ For CYF cysto-nephroscopes, see page 181.

High-Flow Nephroscope

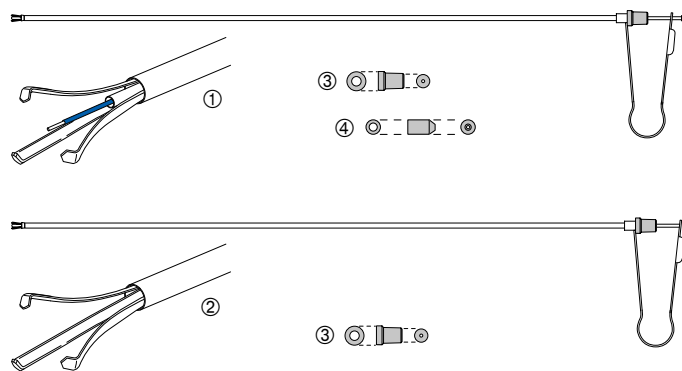
OES Pro
(cont.)

Hand Instruments, Handle With Finger Rest



- ① **WA63810A** Grasping forceps, toothed, 3.25 x 400 mm, with lumen
- ② **WA63813A** Grasping forceps, 3.25 x 400 mm, with lumen
- ③ **WA63815A** Grasping forceps, 3.25 x 400 mm, fine-toothed
- ④ **A0400** Sealing cap, blue, for Luer-lock, 6 pcs.
 - Reusable

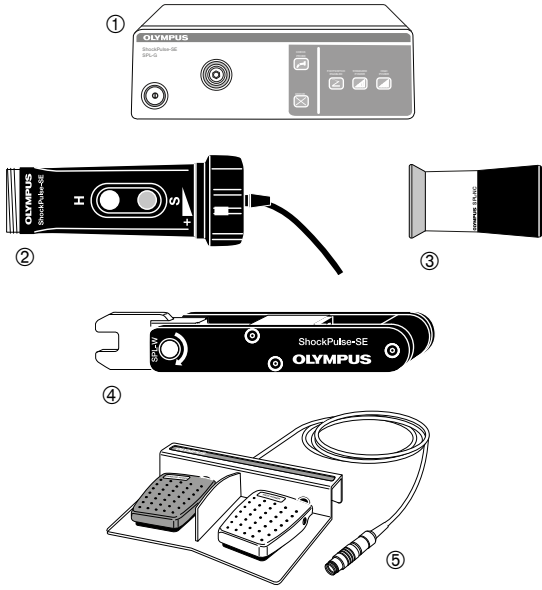
Hand Instruments, U-Shaped Handle



- ① **WA63817A** Grasping forceps, three-nail, 3.5 x 400 mm, with channel 1.1 mm
- ② **WA63819A** Grasping forceps, three-nail, 3.25 x 400 mm
- ③ **WA63821A** Sealing cap, 0.7 mm, 20 pcs., for WA63817A
 - Reusable/non-sterile
- ④ **A0223** Sealing cap, 1.6 mm, 10 pcs., for WA63817A/-19A
 - Reusable/non-sterile

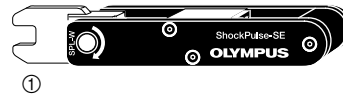
ShockPulse Lithotripsy System

ShockPulse Lithotripsy System



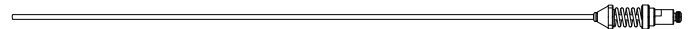
① EGSPL-SR	ShockPulse-SE Lithotripsy System <i>Delivery includes: Generator, Transducer, Nose Cone, Power Cord, Cleaning Stylet & Wrench</i>
② EGSPL-T	ShockPulse Lithotripsy Transducer
③ EGSPL-NC	ShockPulse Lithotripsy Nose Cone
④ EGSPL-W	ShockPulse Lithotripsy Wrench
⑤ EGSPL-FS	ShockPulse Lithotripsy Footswitch
EGSPL-CSL	ShockPulse Lithotripsy Cleaning Stylet - Large (not shown)
EGSPL-PC	ShockPulse Lithotripsy Power Cord (not shown)

Transducer



EGSPL-T	Transducer (not shown)
① EGSPL-W	ShockPulse Lithotripsy Wrench ▪ Compatible with Cyberwand Probes

Lithotripsy Probes

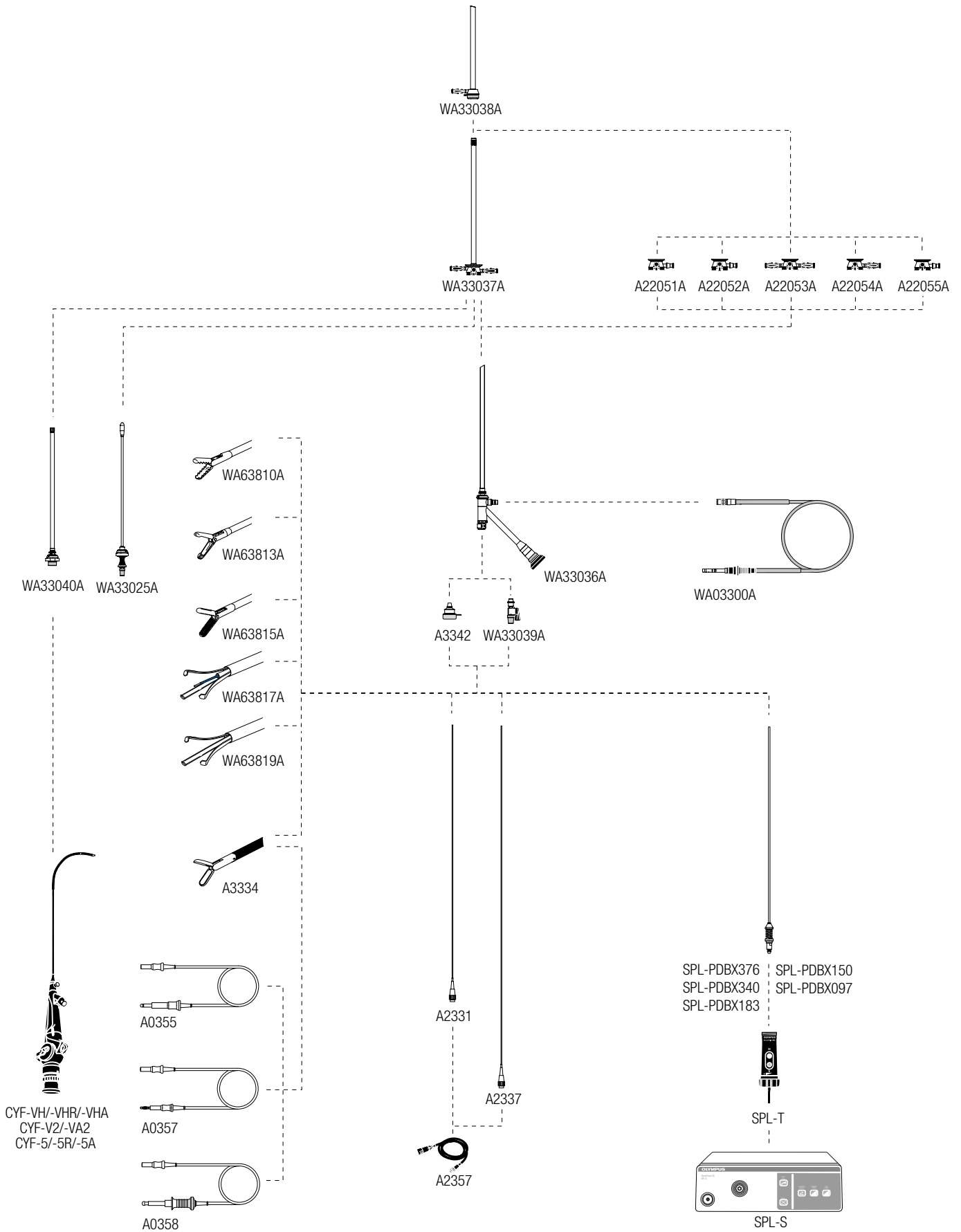


EGSPL-PDBX376	Sterile Single Use, 3.76 mm
EGSPL-PDBX340	Sterile Single Use, 3.40 mm
EGSPL-PDBX183	Sterile Single Use, 1.83 mm
EGSPL-PDBX150	Sterile Single Use, 1.50 mm
EGSPL-PDBX097	Sterile Single Use, 0.97 mm

Reusable Shockpulse Probes

EGSPL-PR376	ShockPulse Lithotripsy Probe, Reusable, 3.76 mm (1/box) (not shown)
EGSPL-PR340	ShockPulse Lithotripsy Probe, Reusable, 3.40 mm (1/box) (not shown)
EGSPL-PR183	ShockPulse Lithotripsy Probe, Reusable, 1.83 mm (1/box) (not shown)
EGSPL-PR150	ShockPulse Lithotripsy Probe, Reusable, 1.50 mm (1/box) (not shown)
EGSPL-PR097	ShockPulse Lithotripsy Probe, Reusable, 0.97 mm (1/box) (not shown)

System Chart



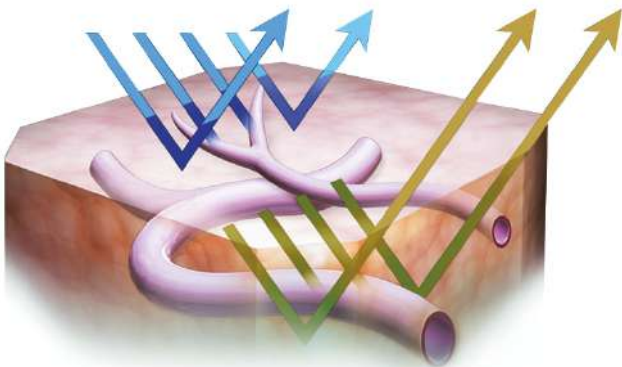
CYF-VH

HD Cysto-Nephro-Videoscope



Evolutiontip

- **High-Definition TV (HDTV)**
The revolutionary CYF-VH is the first endoscope of its kind to provide a high-definition image in an endoscope this small. The cristal-clear view in the urethra improves detection and diagnosis of suspicious areas. Already under white light, the CYF-VH allows a wider view and detailed vision, which is primarily important for all bladder cancer follow-up cystoscopies.
- **New EvolutionTip**
In addition, the tip design improves light emittance and increases the light output by 150% (compared to the CYF-V2).
- **Variable stiffness shaft**
To further improve patient comfort, the CYF-VH shaft varies in stiffness. Proximally, the shaft is stiffer to maintain control in the urethra. At mid-shaft, it is more flexible to minimise pressure and discomfort on sensitive anatomy. A distal passive bending section allows the scope to bend even further and minimises the potential of damage to the endoscope during normal use.
- **NBI (Narrow Band Imaging)**
HD NBI potentially allows for a higher and improved detection rate of carcinoma in situ. In order to improve the diagnosis, the brightness of NBI was increased by 20% compared to CYF-V2. NBI is an optical image-enhancement technology that improves the visibility of vessels and other tissue on the mucosal surface. NBI works by filtering the white light into specific light wavelengths, which are absorbed by hemoglobin and penetrate only the surface of human tissue. This provides improved visual contrast of the surface structures and fine capillary patterns of mucous membranes, which are normally difficult to distinguish.
- **Improved deflection**
The CYF-VH bends 10° more in each direction with its 220° upward and 130° downward deflection, providing the ability to see and treat all areas of the bladder with ease.
- **Large field of view**
The wide 120° field of view provides a panoramic inspection of the entire bladder from the bladder neck.



CYF-VH

HD Cysto-Nephro-Videoscope (cont.)

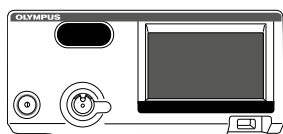
HD Cysto-Nephro-Videoscope

N6006050	Videoscope "CYF-VH" <i>Delivery includes: Videoscope, attachment MAJ-2092, valve MAJ-579, sterilization cap MAJ-1538, cleaning brushes BW-411B, MAJ-1339</i>
N6006150	Videoscope "CYF-VHA", with suction valve <i>Delivery includes: Videoscope, attachment MAJ-2092, valve MAJ-579, suction valve MAJ-207, sterilization cap MAJ-1538, cleaning brushes BW-411B, MAJ-1339, suction cleaning adapter MAJ-1077</i>
N6006250	Videoscope "CYF-VHR", with reverse angulation <i>Delivery includes: Videoscope, attachment MAJ-2092, valve MAJ-579, sterilization cap MAJ-1538, cleaning brushes BW-411B, MAJ-1339</i>

➤ For Endo-Therapy instruments, see page 21, 22, 23, 24 and 35.

➤ For accessories for flexible Cysto-Nephroscopes, see page 189.

Video System



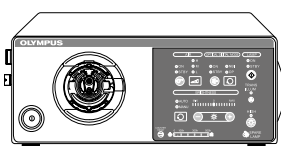
① + ②

**VISERA
ELITE II**



③

EVIS EXERA III



④

EVIS EXERA III

①	N5426950	"OTV-S300" Video System Center "VISERA ELITE II" All-in-One 2D/3D Processor and Light Source
②	N5426850	"OTV-S200" Video System Center "VISERA ELITE II" All-in-One 2D Processor and Light Source
③	N3643260	EVIS EXERA III Video System Center "CV-190"
④	N3643350	EVIS EXERA III xenon light source "CLV-190"

➤ For videos systems, see page 491, 493, 501 and 503.

Technical Data

Optical system	
Field of view	120°
Direction of view	0°
Region of sharp image	3 – 50 mm
Insertion portion	
Distal end outer diameter	2.7 mm
Insertion tube outer diameter	16.5 Fr. (5.5 mm)
Working length	380 mm
Instrument channel	
Inner channel diameter	6.6 Fr. (Ø 2.2 mm)
Bending section	
Angulation range	220° up, 130° down
Total length	660 mm
Compatibilities	
NBI observation mode	yes
Records of endoscope's information	yes
Electronic shutter function	yes
Electronic zoom function	yes
HF treatment	yes
Laser treatment	no
Classification	
Medical Devices Directive 93/42/EEC	class IIa
Applied standard	IEC 60601-1-2: 2001 IEC 60601-1-2: 2007
CISPR 11 of emission	group 1, class B
Degree of protection against electric shock	
type BF applied part	
Ambient conditions	
Operation temperature	10 – 40 °C
relative humidity	30 – 85 %
atmospheric pressure	700 – 1060 hPa
Storage temperature	-47 – 70 °C
relative humidity	10 – 75 %
atmospheric pressure	700 – 1060 hPa
Transport temperature	-47 – 70 °C
relative humidity	10 – 75 %
atmospheric pressure	700 – 1060 hPa

CYF-V2

VISERA Cysto-Nephro-Videoscope



Exceptionally smooth insertion and brilliant videoscope imaging

- Evolutiontip design achieves smooth insertion.
- Clear color-consistent imaging with simultaneous multicolor CCD
- Enhanced operability with ergonomic grip and convenient remote control switches
- Compatible with "Narrow Band Imaging" technology (NBI)
- Can be used for examination/procedure in the kidney
- Compatible with Olympus VISERA ELITE, EVIS EXERA II and VISERA video processors

VISERA
Evolutiontip

VISERA Cysto-Nephro-Videoscope

N6005750	“CYF-V2” VISERA Cysto-Nephro-Videoscope
N6005950	“CYF-VA2” with aspiration
N3629260	“CYF-V2R” VISERA Cysto-Nephro-Videoscope, with reverse angulation

Delivery includes:

Videoscope, attachment MAJ-2092, valve MAJ-579, ETO cap MB-156, cleaning brushes BW-411B, MAJ-1339, suction valve MAJ-207 (only CYF-VA2), suction cleaning adapter MAJ-1077, and carrying case

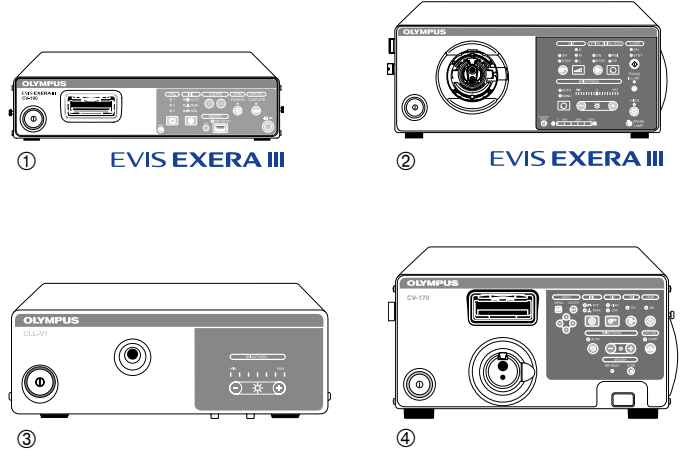
Technical Data

Optical system	
Field of view	120°
Direction of view	0°
Region of sharp image	3 – 50 mm
Insertion portion	
Distal end outer diameter	12.9 Fr. (4.8 mm)
Insertion tube outer diameter	16.2 Fr. (5.4 mm)
Working length	380 mm
Instrument channel	
Inner channel diameter	6.6 Fr. (Ø 2.2 mm)
Bending section	
Angulation range	210° up, 120° down
Total length	650 mm

For accessories, see page 189.

For Endo-Therapy instruments, see page 21, 22, 23, 24 and 35.

Video Systems



- ① **N3643260** EVIS EXERA III Video System Center “CV-190”
- ② **N3643350** EVIS EXERA III Xenon Light Source “CLV-190”
- ③ **WA97020A** Light source “OLYMPUS CLL-V1”
- ④ **N4492750** Video system center “CV-170”

For details on EVIS EXERA III video system, see page 497.

CYF-5

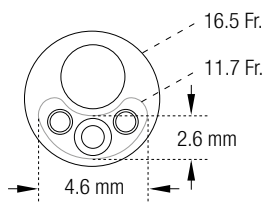
OES Cysto-Nephro-Fiberscope



Evolutiontip

- Evolutiontip with matching angulation direction
- Detachable light-guide cable and miniature LED light source
- Compatible with electrosurgical procedures
- One-handed control of the aspiration function (CYF-5A) makes it easy to keep the field of view clear.
- 210° up/120° down angulation:
Easier observation and treatment around the ostium ureteris and bladder neck
- 120° field of view:
Both ostium ureteris can be observed simultaneously.

Cysto-Nephro-Fiberscopes



N6005450	“CYF-5” Cysto-Nephro-Fiberscope
N6005550	“CYF-5A” Cysto-Nephro-Fiberscope, with suction valve

Technical Data

Optical system	
Field of view	120°
Direction of view	0°
Depth of field	3 – 50 mm
Insertion portion	
Distal end outer diameter	11.7 Fr. (4.6 mm)
Insertion tube outer diameter	16.5 Fr. (5.5 mm)
Working length	380 mm
Instrument channel	
Inner channel diameter	7.2 Fr. (2.4 mm)
Compatible Olympus	
ET accessories	ET accessories for
Ø 2 mm (6 Fr.) channel	
Minimum visible distance	5 mm
Bending section	
Angulation range	210° up
	120° down
Total length	700 mm

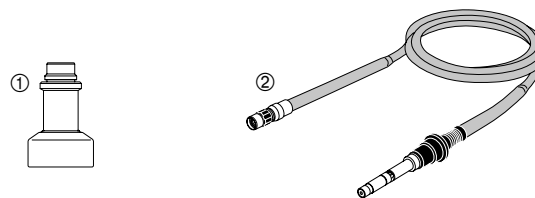
Delivery includes:

Fiberscope, attachment MAJ-2092, valve MAJ-209 (CYF-5A only), cleaning adapter MAJ-1077 (CYF-5A only), valve MAJ-579, cleaning brushes MAJ-1339, BW-411B, light-guide adapter MAJ-1413, ETO cap MB-156

For accessories, see page 189.

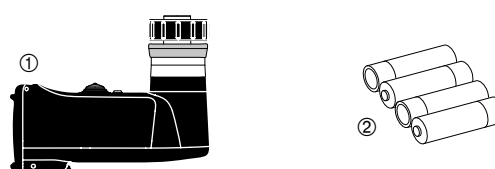
For Endo-Therapy instruments, see page 21, 22, 23, 24 and 35.

Light-Guide Cable



- ① **N1773930** Light-guide adapter “MAJ-1413”, OES Pro light-guide cable to CYF-5/CYF-5A
- ② **WA03300A** Light-guide cable, 2.8 mm, 3 m, CF type

Light Source EndoLED



- ① **WA91502A** Light source “EndoLED”, for flexible endoscopes
 - For rechargeable batteries (requires 2 batteries of WA91505A), with battery status indicator (lasts up to 3 hrs.)

Technical Data

Dimensions	70 (W) x 90 (H) x 35 (D) mm
Weight (without batteries)	119 g

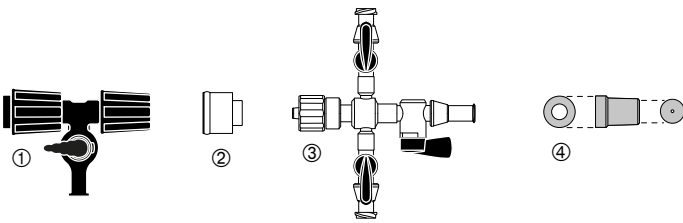
- ② **WA91505A** Battery, AA type, rechargeable, 4 pcs.

For EndoLED light source, see page 455.

Accessories

for Flexible Cysto-Nephroscopes

Attachments for Instrument Channel



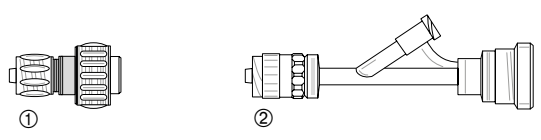
- ① **N6149350** Attachment "MAJ-891", isolated type

- ② **A02918A** Valve "MAJ-579", for MAJ-578/-668/-891, 10 pcs.

- ③ **A02908A** Attachment, three stopcocks

- ④ **00131** Sealing cap, 0.7 mm, 10 pcs., for attachment A02908A
 - Reusable/ non-sterile

Biopsy Port Seals



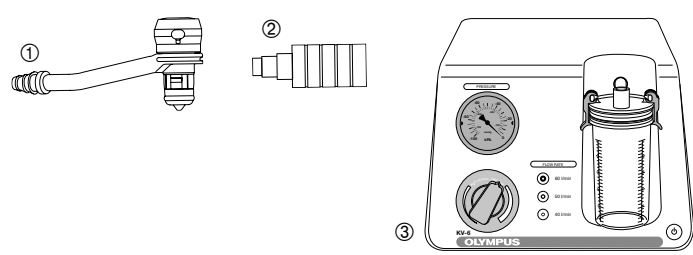
- ① **BPS-A** Biopsy port seal, adjustable, for accessories up to 6 Fr., sterile, single-use, 5 pcs.

- ② **BPS-Y** Biopsy port seal, Y-adapter, adjustable, for accessories up to 9 Fr., sterile, single-use, 5 pcs.

Endo-Therapy

📄 For Endo-Therapy instruments, see page 21, 22, 23, 24 and 35.

Aspiration Accessories



- ① **028987** Single-use suction valve "MAJ-209", for cysto-nephroscopes CYF-VHA/ VA2/ 5A

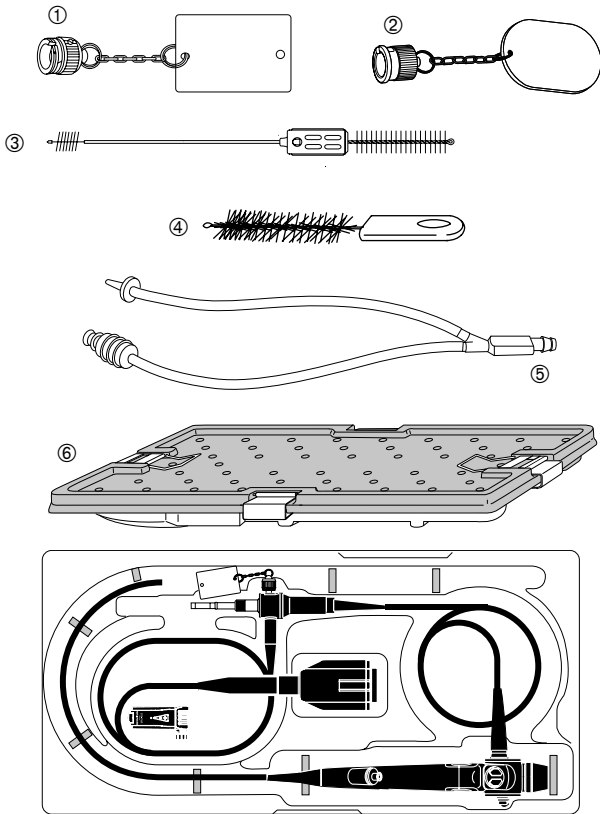
- ② **N3637650** Cover "MAJ-1940", for use without suction valve

- ③ **K10026146** Suction pump "KV-6", Europe


- K10026145** Suction pump "KV-6", UK

For cysto-nephroscopes CYF-VHA/-VA2/-5A

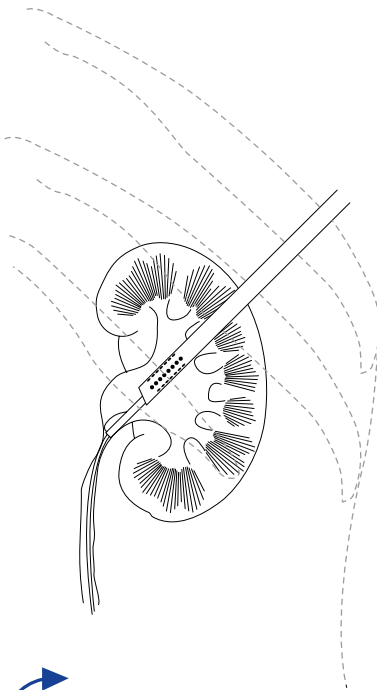
Reprocessing



- | | | |
|---|-----------------|--|
| ① | 027706 | ETO cap "MB-156",
for CYF-V2/-VA2/-5/-5A/-5R |
| ② | N2639830 | Sterilization cap "MAJ-1538",
for CYF-VH/-VHA/-VHR |
| ③ | N3640750 | Single-use combination cleaning brush "BW-411B" |
| ④ | N3641120 | Cleaning brush "MAJ-1339",
for channel-opening |
| ⑤ | N1029300 | Suction cleaning adapter "MAJ-1077",
for CYF-VHA/-VA2/-5A |
| ⑥ | WA05991A | Instrument tray,
for flexible endoscopes of
CHF, CYF, ENF, HYF, LF, and URF series,
outer dimensions: 531 x 79 x 255 mm |

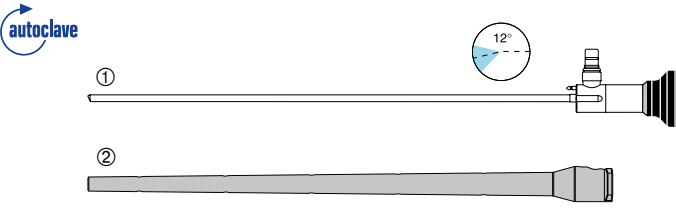
 For plastic instrument trays, see page 651.

Optical Subpelvic Ureterotomy



- Direct visual control without image cut off
- Treatment of urethral strictures
- Treatment of ureteral stenoses

Telescope

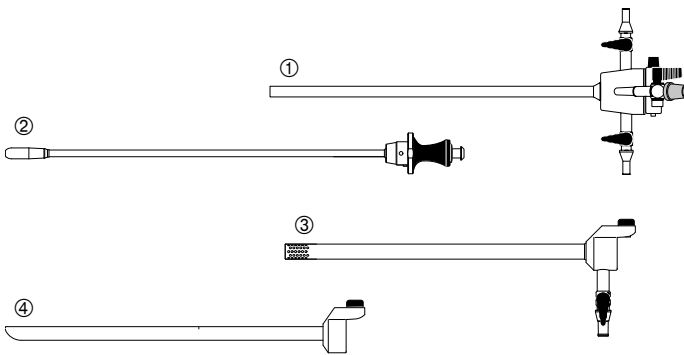


- ① **WA2T412A** Telescope "OES ELITE", 4 mm, 12°, HD, autoclavable
- ② **WA2P400A** Protective tube, 4 mm telescopes

Delivery includes:
protective tube WA2P400A.

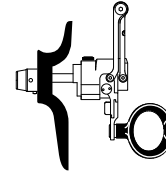
For light-guide cables and adapters, see page 172.

Sheaths



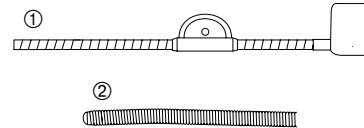
- ① **A3551** Sheath, with obturator A3560, 22 Fr., 4 Fr. channel
- ② **A3560** Obturator, for A3551, 4 Fr. channel
- ③ **A3552** Outer sheath, 26 Fr., for A3551, for percutaneous access
- ④ **A3554** Insertion sleeve, for A3551

Working Element



- ① **A3550** Working element, for A3551

Knife for Percutaneous Subpelvic Ureterotomy



- ① **A3559** Knife, semi-circular, flexible tip, 4 Fr. channel
- ② **25BX** PTFE-coated guidewire, stainless steel, 0.035" diameter, 150 cm length, tip length: 3 cm flex, straight tip, regular body, sterile, single-use, 5 pcs.

Pediatric Urology

Standard Cystoscopes OES Pro	195
13 Fr. Cystoscope	197
Compact Cystoscope Angled Ocular OES Pro	199
Pediatric Optical Urethrotome OES Pro	201
Pediatric Resectoscope OES Pro	203
Percutaneous Nephroscope	205
ET Instruments for Pediatric Cystoscopy	208

Standard Cystoscopes

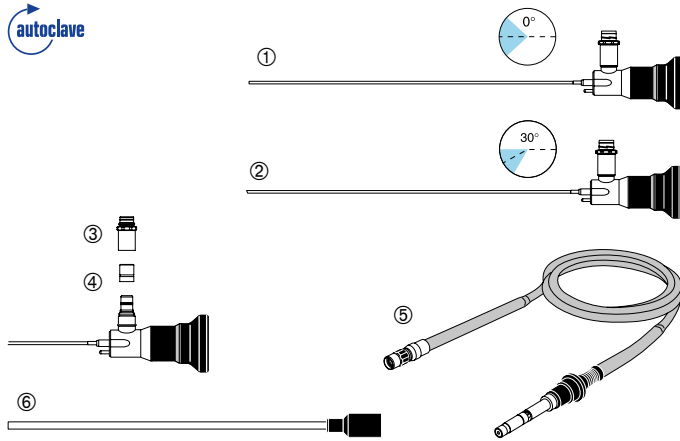
OES Pro



- Small outer diameter
- Modular system
- 0° and 30° telescopes
- Stainless steel



Telescopes



- ① **A3764A** Telescope, 1.9 mm, 0° direction of view, autoclavable
- ② **A3765A** Telescope, 1.9 mm, 30° direction of view, autoclavable
- ③ **A0460** Light-guide adapter, for OES 4000 light-guide cable
- ④ **00332** Light-guide adapter, for Wolf light-guide cable
- ⑤ **WA03300A** Light-guide cable, size S, plug type, 3 m
- ⑥ **A0547** Protection tube, for telescopes

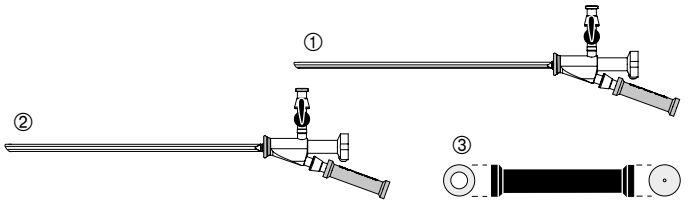
Delivery includes:
Telescopes A3764A–65A protection tube.

Diagnostic Cystoscope



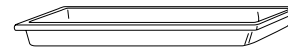
- A37000A** Cystoscope sheath, 7.9 Fr., for 0° telescope, with standard obturator

Therapeutic Cystoscope



- ① **A37001A** Cystoscope sheath, 9.5 Fr., 3 Fr. channel, for 0° and 30° telescope, with standard obturator
- ② **A37002A** Cystoscope sheath, 10.8 Fr., 5 Fr. channel, for 0° and 30° telescope, with standard obturator
- ③ **A0286** Sealing caps, 0.4 mm, kink protected, black
 - reusable/non-sterile

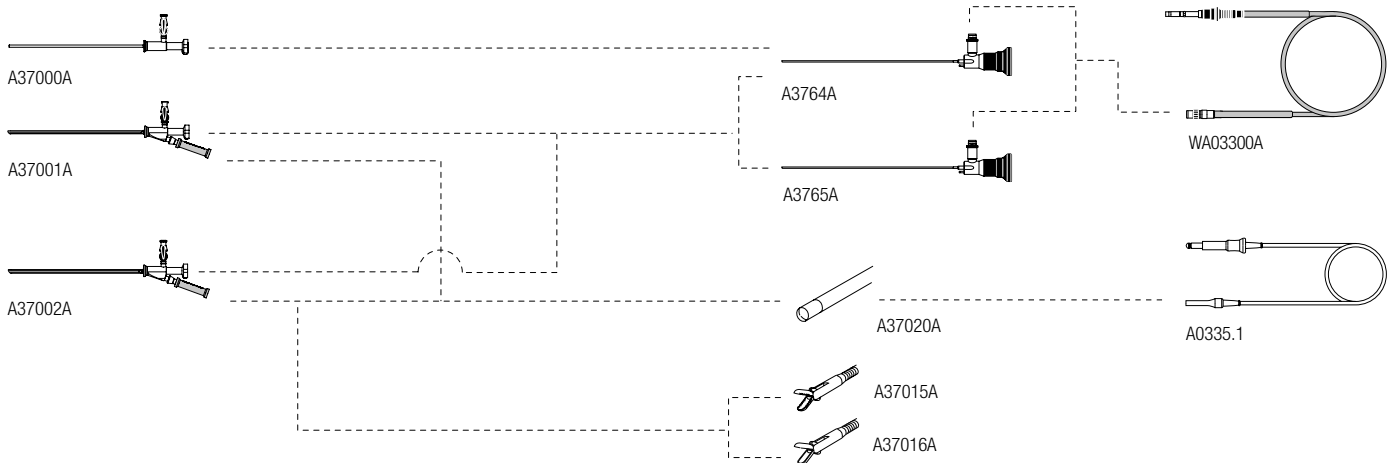
Instrument Tray System



- WA05995A** Insert tray, for pediatric urology set

For multi purpose plastic instrument trays, see page 651.

System Chart



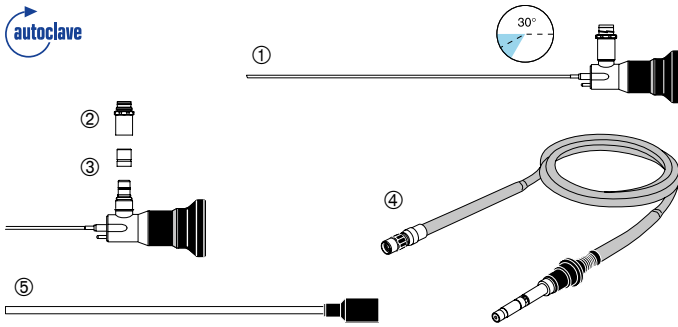
13 Fr. Cystoscope



- Modular system
- Albarra lever for precise control
- 30° telescope
- Stainless steel



Telescopes

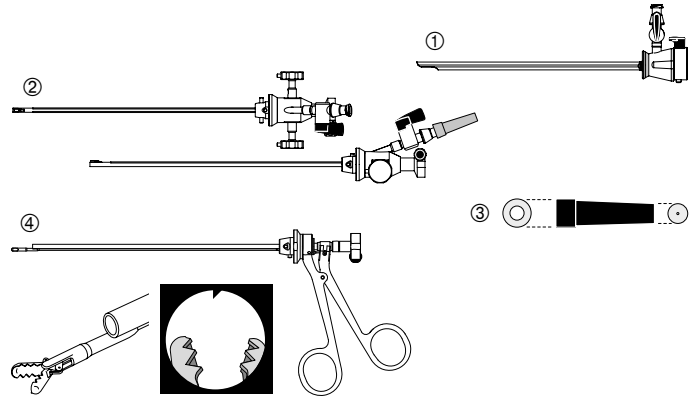


- ① **A3765A** Telescope, 1.9 mm, 30° direction of view, autoclavable
- ② **A0460** Light-guide adapter, for OES 4000 light-guide cable
- ③ **00332** Light-guide adapter, for Wolf light-guide cable
- ④ **WA03300A** Light-guide cable, size S, plug type, 3 m
- ⑤ **A0547** Protection tube, for telescopes

Delivery includes:

Telescope A3765A: protection tube A0547 and light-guide adapters A0460 and 00332.

Therapeutic Cystoscope



- ① **A37003A** Cystoscope sheath, 13 Fr., for 30° telescope, with standard obturator
- ② **A37005A** Working insert, Albarran, one-way, 4 Fr. passage, for A37003A
- ③ **A0313** Sealing cap, self-closing, black, 10 pcs., for A37005A
 - Single use/non-sterile
- ④ **A37006A** Grasping forceps, optical, for A37003A

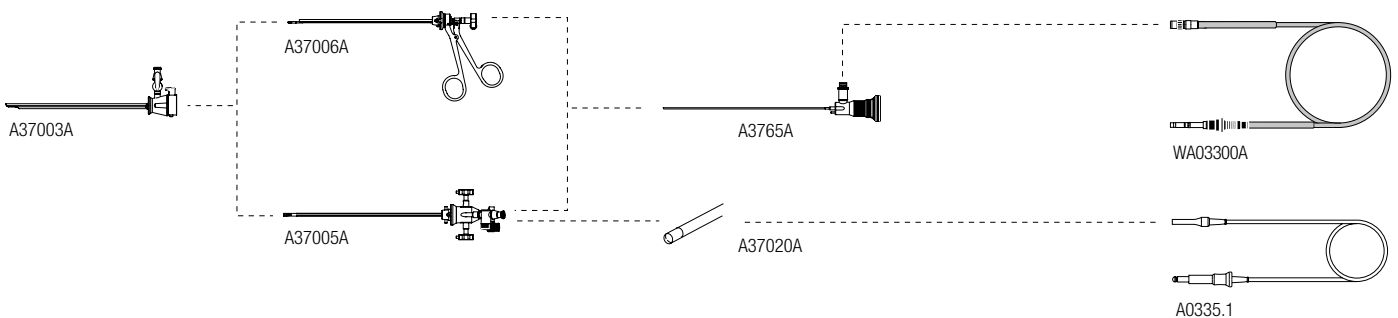
Instrument Tray System



- WA05995A** Insert tray, for pediatric urology set

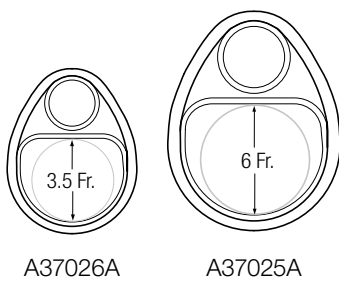
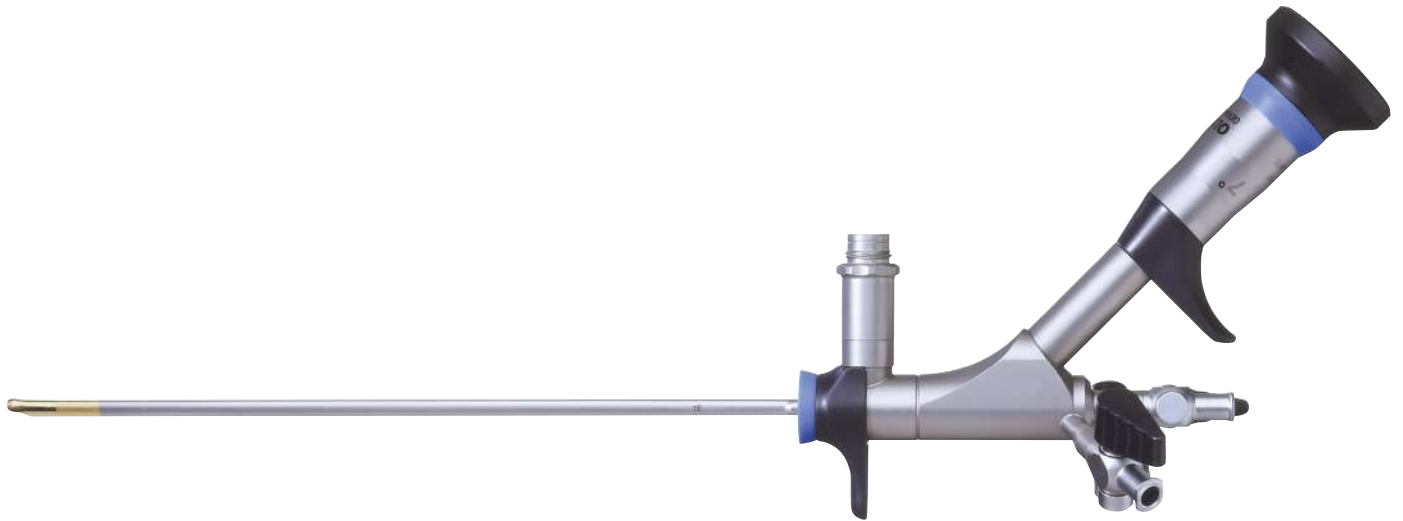
☒ For multi purpose instrument trays, see page 653.

System Chart



Compact Cystoscope

Angled Ocular
OES Pro

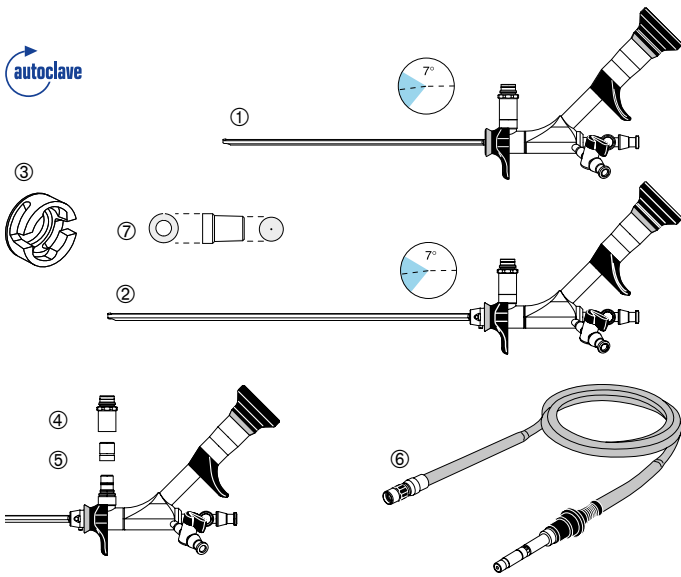


Sheath profile

- Straight channel
- Compact slim design
- Integrated stopcocks
- Oval channel design
- Stainless steel



Compact Cystoscope

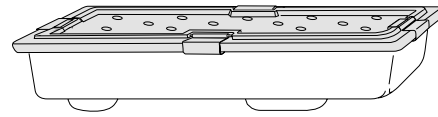


- ① **A37026A** Compact cystoscope, 7° direction of view, 7.9 Fr. x 160 mm, 4.2 Fr. channel, 45° ocular angle
- ② **A37025A** OP telescope, 7°, 11 Fr. x 220 mm, 7.5 Fr. channel, angled ocular
 - Up to 6 Fr. passage
- ③ **WA37025B** Adapter, meatus stopper, for A37025A
- ④ **A0460** Light-guide adapter, for OES 4000 light-guide cable
- ⑤ **00332** Light-guide adapter, for Wolf light-guide cable
- ⑥ **WA03300A** Light-guide cable, size S, plug type, 3 m
- ⑦ **A0387** Sealing cap, 4.5 mm, 10 pcs.
 - Reusable/non-sterile

Delivery includes:
Instrument tray A05961A.

For maximum passage, see page 199.

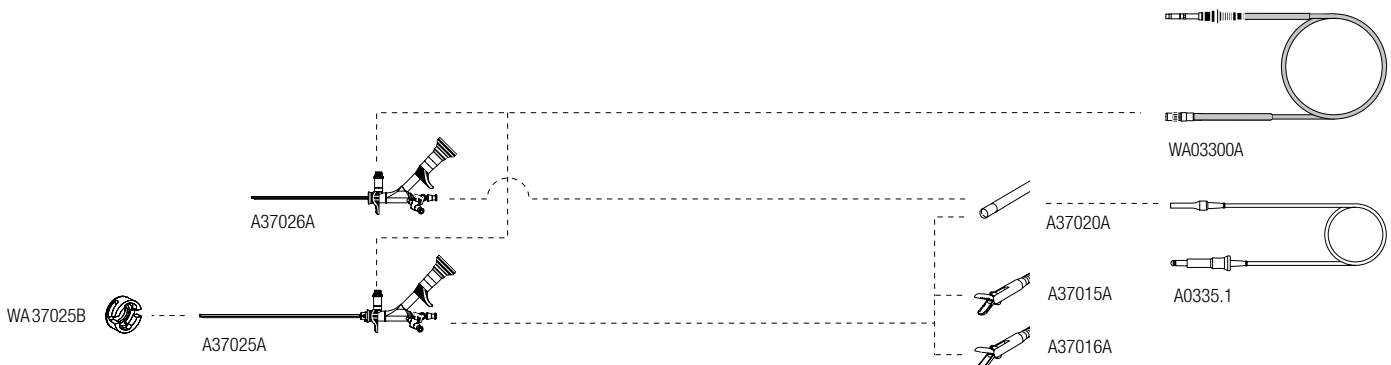
Instrument Tray



A05961A Instrument tray, for compact cystoscope

For plastic instrument trays, see page 653.

System Chart



Pediatric Optical Urethrotome

OES Pro

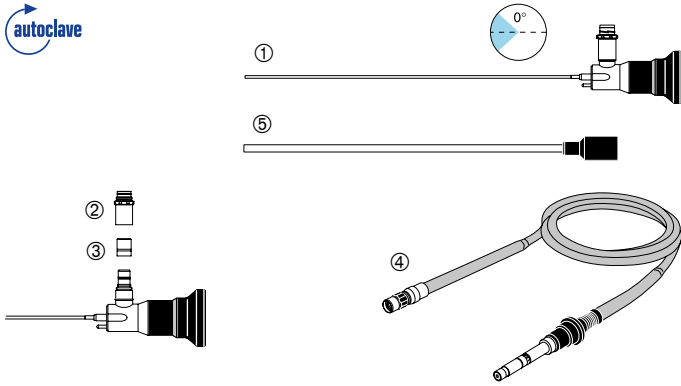


- Combined working element for optical urethrotome and resectoscope
- Maintenance-free stopcocks
- Small outer diameter
- Ergonomic design



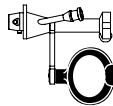
Telescopes

autoclave



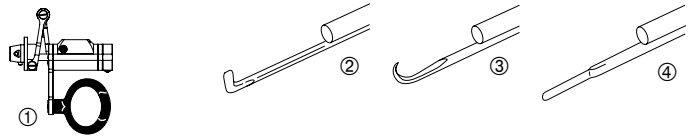
- ① **A3764A** Telescope, 1.9 mm, 0° direction of view, autoclavable
Delivery includes: Protection tube
- ② **A0460** Light-guide adapter, for OES 4000 light-guide cable
- ③ **O0332** Light-guide adapter, for Wolf light-guide cable
- ④ **WA03300A** Light-guide cable, size S, plug type, 3 m
- ⑤ **A0547** Protection tube, for telescopes

Bridge



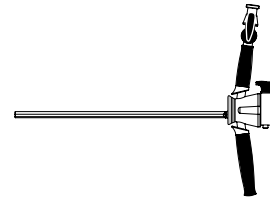
- A37007A** Bridge, one way, 3 Fr. channel

Working Element



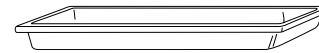
- ① **A37014A** Working element
- ② **A37008A** Knife, round, sterile, single use, 1 pc.
- ③ **A37009A** Knife, hook, sterile, single use, 1 pc.
- ④ **A37010A** Knife, straight, sterile, single use, 1 pc.

Sheath



- A37028A** Sheath, 9.5 Fr., with obturator

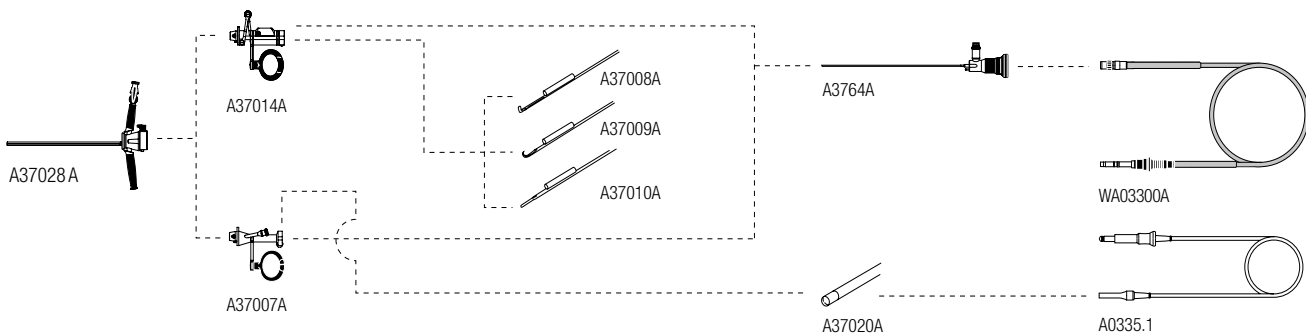
Instrument Tray System



- WA05995A** Insert tray, for pediatric urology set

For multi purpose plastic instrument trays, see page 651.

System Chart



Pediatric Resectoscope

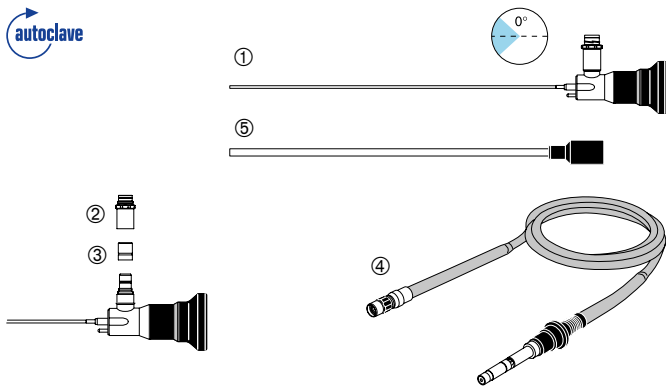
OES Pro



- Combined working element for optical urethrotome and resectoscope
- Small outer diameter
- Direct HF connection
- Maintenance-free stopcocks
- Atraumatic insulation beak

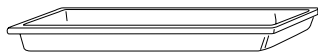


Telescopes



- ① **A3764A** Telescope, 1.9 mm, 0° direction of view, autoclavable
Delivery includes: Protection tube
- ② **A0460** Light-guide adapter, for OES 4000 light-guide cable
- ③ **00332** Light-guide adapter, for Wolf light-guide cable
- ④ **WA03300A** Light-guide cable, size S, plug type, 3 m
- ⑤ **A0547** Protection tube, for telescopes

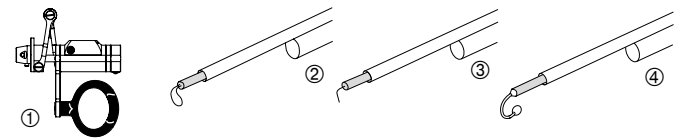
Instrument Tray System



- WA05995A** Insert tray, for pediatric urology set

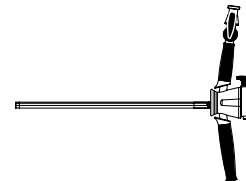
For multi purpose plastic instrument trays, see page 651.

Working Element



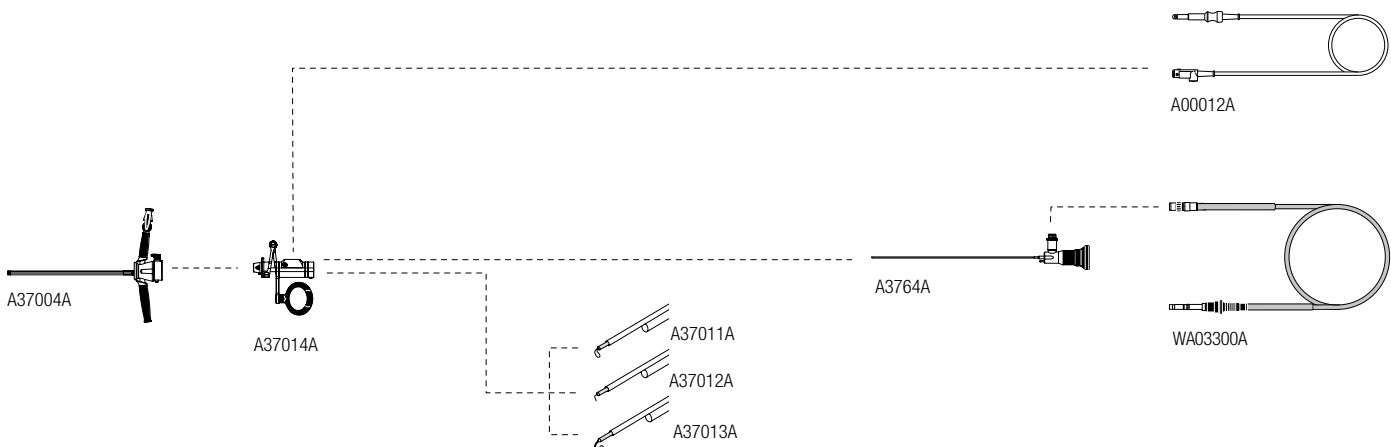
- ① **A37014A** Working element
- ② **A37011A** HF-resection electrode, loop, sterile, single use, 1 pc.
- ③ **A37012A** HF-resection electrode, needle, sterile, single use, 1 pc.
- ④ **A37013A** HF-resection electrode, hook, sterile, single use, 1 pc.
- A00012A** HF cable, monopolar
Compatible HF units:
 - ESG-410
 - ESG-400
 - UES-30/-40
 - Valleylab (new)

Sheath

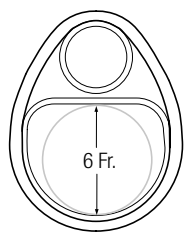
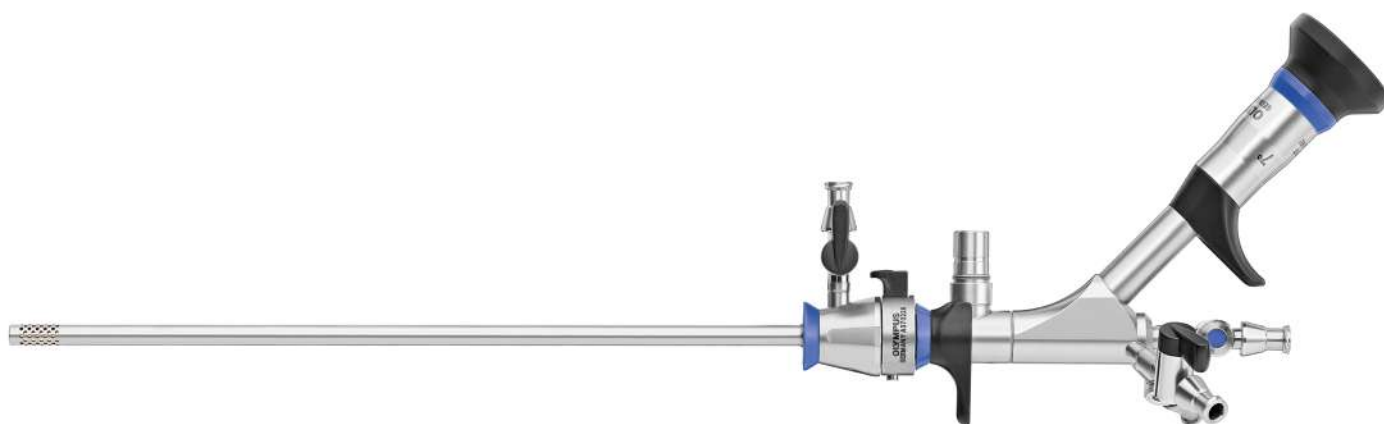


- A37004A** Sheath, 10 Fr., with obturator

System Chart



Percutaneous Nephroscope



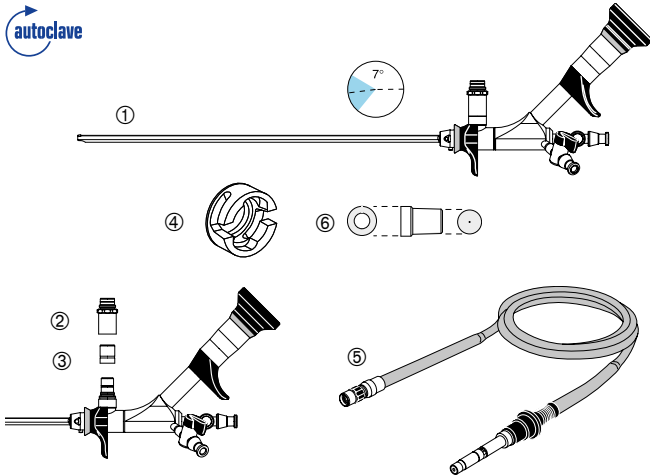
A37025A

Sheath profile



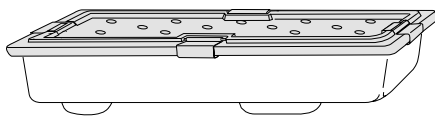
- Single and continuous flow system
- 15.9 Fr. sheath fixed
- 18 Fr. and 20 Fr. sheath that enables a suction effect
- Large 7.5 Fr. oval channel, straight
- Up to 6 Fr. passage
- Pediatric and adult mini-nephroscope
- Stainless steel
- Maintenance-free stopcocks
- Can be used as a compact cystoscope

OP Telescope



- ① **A37025A** OP telescope, 7°, 11 Fr. x 220 mm, 7.5 Fr. channel, angled ocular
 - Up to 6 Fr. passage*OP telescopes are delivered with instrument tray A05961A.*
- ② **A0460** Light-guide adapter, for OES 4000 light-guide cable
- ③ **00332** Light-guide adapter, for Wolf light-guide cable
- ④ **WA37025B** Adapter, meatus stopper, for A37025A
- ⑤ **WA03300A** Light-guide cable, size S, plug type, 3 m
- ⑥ **A0387** Sealing cap, 4.5 mm, 10 pcs.,
 - reusable/non-sterile

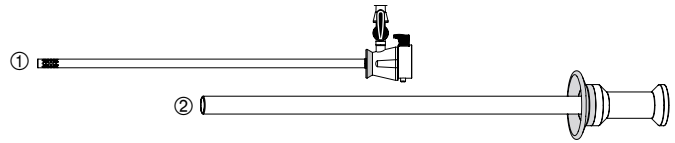
Instrument Tray



- A05961A** Instrument tray, for OP telescope

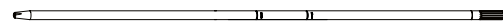
For plastic instrument trays, see page 651.

Nephroscope Sheath



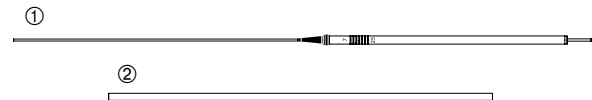
- ① **A37022A** Outer sheath, 15.9 Fr., fixed, includes guiding tube WA37031A
- ② **WA2PS18S** Sheath, 18 Fr., 130 mm
- WA2PS18L** Sheath, 18 Fr., 160 mm
- WA2PS20S** Sheath, 20 Fr., 130 mm
- WA2PS20L** Sheath, 20 Fr., 160 mm

Mini-PCNL Dilators



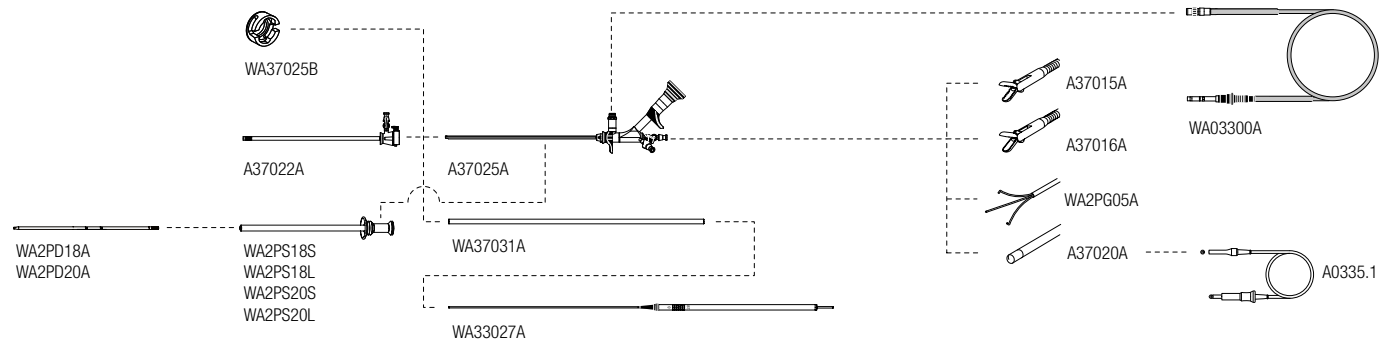
- WA2PD18A** Dilator, 15 Fr., for 18 Fr. sheath, 390 mm
 - single-step, dual lumen
- WA2PD20A** Dilator, 17 Fr., for 20 Fr. sheath, 390 mm
 - single-step, dual lumen

Bougie Set



- ① **WA33027A** Bougie tubes, set 9 – 28 Fr.
- ② **WA37031A** Guiding tube, for WA33027A
Adapts bougie tubes WA33027A to nephroscope sheath A37022A.

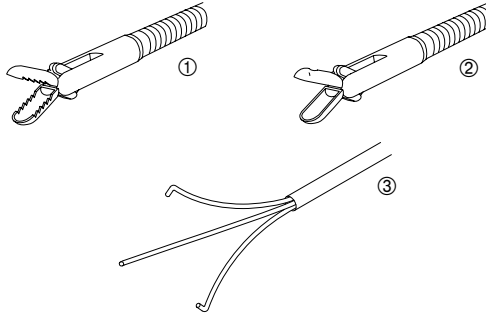
System Chart



ET Instruments

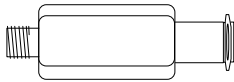
for Pediatric Cystoscopy

Semi-Flexible Hand Instruments



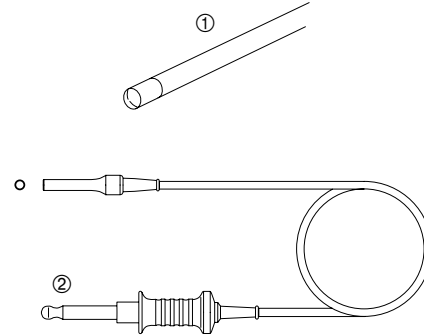
- ① **A37015A** Grasping forceps, 5 Fr. x 340 mm, semi-flexible
- ② **A37016A** Biopsy forceps, 5 Fr. x 340 mm, semi-flexible
- ③ **WA2PG05A** Grasping forceps, three-nail, 5 Fr. x 340 mm

Cleaning Adapter



- WA0401CA** Cleaning adapter, for hand instruments without Luer-lock connector
 - Compatible to semi-flexible hand instruments

HF Electrodes and HF Cables



- ① **A37020A** HF electrode, button, 3 Fr. x 370 mm, flexible, reusable/ non-sterile
- ② **A0335.1** HF cable, monopolar
Compatible HF units:
 - ESG-400
 - UES-30/-40
 - Valleylab (new)

Equipment for Urology

Lithotripsy	210
SOLTIVE SuperPulsed Laser System	211
SOLTIVE PREMIUM SuperPulsed Laser System	213
OLYMPUS EMPOWER Holmium YAG Laser Systems	215
ShockPulse Lithotripsy System	219
PDD	223
PDD Photodynamic Diagnosis	223

SOLTIVE

SuperPulsed Laser System



The SuperPulsed Thulium Fiber Laser System SOLTIVE is powered by a novel energy source for striking results compared to conventional Holmium YAG. Get used to dusting in half the time. Fragmenting stones relentlessly — with virtually no retropulsion. Precisely cutting through soft tissue and state-of-the-art prostate enucleation, with visibly improved hemostasis.



Stone

2× Faster Dusting

Stone dusting in half the time of the leading Holmium YAG laser, and with impressive generation of finer particulate.



Virtually No Retropulsion

The inherent stone stabilizing effect of SOLTIVE means dramatically reduced retropulsion, less chasing of stone fragments and more control during lithotripsy.



4× Greater Absorption

The optimum laser wavelength means more energy is transferred to the stone — with more than four times greater absorption than any Holmium YAG system.

BPH and Soft Tissue



Highly Versatile

SOLTIVE can be used for different urological applications and is the solution for surgery centers seeking an all-in-one, cost-effective platform.



Safety and Efficacy for BPH

State-of-the-art prostate enucleation, with impressive hemostasis.



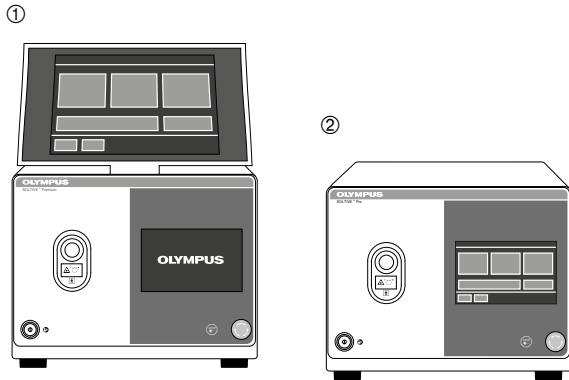
Reduced Thermal Effects

Because it uses lower power for ablation, SOLTIVE may reduce the thermal effects that can cause soft tissue damage and irritative symptoms.

SOLTIVE PREMIUM

SuperPulsed Laser System

Laser Systems



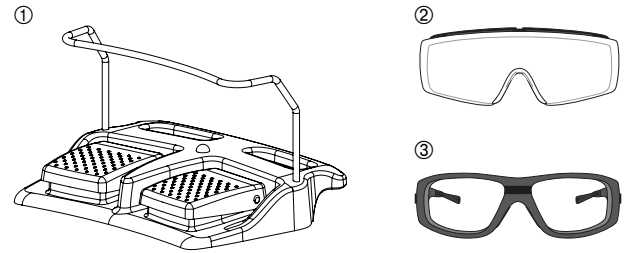
- ① **EGTFL-PLS** SOLTIVE™ Premium SuperPulsed Laser System
- ② **EGTFL-SLS** SOLTIVE™ Pro SuperPulsed Laser System

Delivery includes: wireless footswitch, power cord, laser warning sign, 3 blast shields, video cable and video cable adapter.

Technical Data

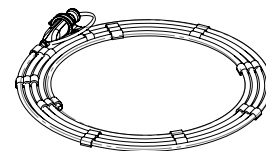
① EGTFL-PLS	Laser ClassificationClass 4 Laser TypeThulium Fiber Laser Wavelength1920 nm – 1960 nm Laser Energy0.025 J – 6 J Laser Frequency1 Hz – 2400 Hz Average Power2 W – 60 W adjustable Pulse Duration200 µs – 50 ms Aiming BeamGreen, 500 – 550 nm, power adjustable 0-5 mW Product CategorySurgical laser for medical use Classification of Medical Device DirectiveClass IIb Electrical requirements100-240V~ at 1200VA 50/60 Hz Dimensions HxWxD29.5 x 37.0 x 56.0 cm Weight40 kg Laser Cooling SystemAir Protection against electric shockClass 1 / Type BF
② EGTFL-SLS	Laser ClassificationClass 4 Laser TypeThulium Fiber Laser Wavelength1920 nm – 1960 nm Laser Energy0.025 J – 4 J Laser Frequency1 Hz – 100 Hz Average Power2 W – 35 W adjustable Pulse Duration200 µs – 50 ms Aiming BeamGreen, 500 – 550 nm, power adjustable 0-5 mW Product CategorySurgical laser for medical use Classification of Medical Device DirectiveClass IIb Electrical requirements100-240V~ at 1200VA 50/60 Hz Dimensions HxWxD25.5 x 37.0 x 56.0 cm Weight33 kg Laser Cooling SystemAir Protection against electric shockClass 1 / Type BF

Accessories



- ① **EGTFL-AFSWL** Soltive Wireless Footswitch
- EGTFL-AFSW** Wired Footswitch
- ② **EGEMP-ASG** Olympus Safety goggles
- ③ **EGEMP-ASGG** Olympus Safety glasses
- EGTFL-ABS** Soltive Laser Blast Shield (not shown)
- EGTFL-AWS** Soltive Laser Warning Sign (not shown)
- K10035269** Olympus Lithotripsy Chart (not shown)
- EGTFL-AFC** SOLTIVE™ Fiber Cleaver (not shown)
- EGTFL-AFS150** SOLTIVE™ Fiber Stripper, 150 Micron (not shown)
- EGTFL-AFS200** SOLTIVE™ Fiber Stripper, 200 Micron (not shown)
- EGTFL-AFS365** SOLTIVE™ Fiber Stripper, 365 Micron (not shown)
- EGTFL-AFS550** SOLTIVE™ Fiber Stripper, 550 Micron (not shown)
- EGTFL-AFS940** SOLTIVE™ Fiber Stripper, 940 Micron (not shown)

SOLTIVE Single Use Laser Fibers



- EGTFL-FBX150S** 150 Micron single use fiber, 5/box
- EGTFL-FBX200S** 200 Micron single use fiber, 5/box
- EGTFL-FBX365S** 365 Micron single use fiber, 5/box
- EGTFL-FBX550S** 550 Micron single use fiber, 5/box
- EGTFL-FBX940S** 940 Micron single use fiber, 5/box
- EGTFL-FBX150BS** 150 Micron single use ball tip fiber, 5/box
- EGTFL-FBX200BS** 200 Micron single use ball tip fiber, 5/box

OLYMPUS EMPOWER

Holmium YAG Laser Systems



Intuitive user interface

- Simple selection of settings allows for convenient treatment of procedures with clinically relevant parameters
- Easy transition between emission modes in a wide range of settings

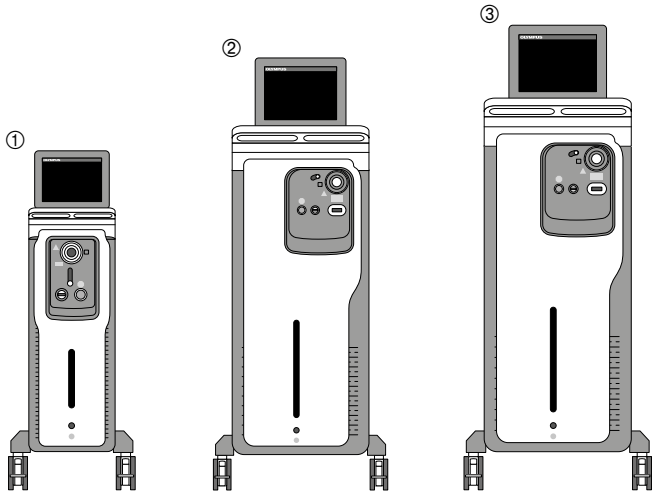
Higher frequency affords greater versatility

- Higher frequency settings compared to competitive systems at similar power ranges.
- Higher outputs due to higher max power and frequency for a diverse field of application.

Stabilization mode (for H100 and H65 Laser)

- The stabilization mode creates a path of vapor between the fiber tip and the stone to stabilize the stone during dusting.
- Reduced retropulsion effect.

Laser Systems



- ① **EGEMP-H35R** OLYMPUS EMPOWER 35-Watt Ho:YAG laser system
- ② **EGEMP-H65R** OLYMPUS EMPOWER 66-Watt Ho:YAG laser system
- ③ **EGEMP-H100R** OLYMPUS EMPOWER 105-Watt Ho:YAG laser system

Delivery includes: laser generator, powercord, wired footswitch, 2 unlock keys, interlock connector, 2 blast shields, water filling bottle and drain tube.

Technical Data

① **EGEMP-H35R**

Laser Type Solid state laser Ho:YAG
 Wavelength 2.1µm
 Laser Energy 0.1-5J
 Laser Frequency 3-30Hz
 Maximum Power 35W
 Pulse Duration 95-1500 µs
 Aiming Beam Green 532nm (adjustable) <5mW, class 3R
 Power Supply 100/115 Vac; 20A; 50/60Hz
 (Option for: 230 Vac; 10A; 50/60Hz)
 Weight 86kg without water
 Dimensions (cm) 37.4 (w) X 85.7 (d) X 107.7 (h)
 Laser Cooling System Integrated water cooling system with water/air heat exchanger
 Transmission System OLYMPUS EMPOWER Laser fiber
 Foot Switch Wired, single pedal
 Classifications Class IIb (according to MDD/93/42/EEC)
 Class 4 (according to IEC 60825-1:2014)
 Class 1 (Electrical device protection)

② **EGEMP-H65R**

Laser Type Solid state laser Ho:YAG
 Wavelength 2.1µm
 Laser Energy 0.2-5J
 Laser Frequency 3-60Hz
 Maximum Power 66W
 Pulse Duration 50-1100 µs
 Aiming Beam Green 532nm (adjustable) <5mW, class 3R
 Power Supply 200-230 Vac; 50/60Hz; 5kVA
 Weight 200kg without water
 Dimensions (cm) 59.3 (w) x 112.6 (d) x 148.0 (h)
 59.3 (w) x 112.6 (d) x 122.6 (h) – Display closed
 Laser Cooling System Internal chiller
 Transmission System OLYMPUS EMPOWER Laser fiber
 Foot Switch Wired, dual pedal
 Classifications Class IIb (according to MDD/93/42/EEC)
 Class 4 (according to IEC 60825-1:2014)
 Class 1 (Electrical device protection)

③ **EGEMP-H100R**

Laser Type Solid state laser Ho:YAG
 Wavelength 2.1µm
 Laser Energy 0.2-5J
 Laser Frequency 3-80Hz
 Maximum Power 105W
 Pulse Duration 50-1100 µs
 Aiming Beam Green 532nm (adjustable) <5mW, class 3R
 Power Supply 230 Vac; 50/60Hz; 6.2kVA
 208 Vac; 50/60Hz; 6.2kVA
 Weight 230kg without water
 Dimensions (cm) 59.3 (w) x 112.6 (d) x 148.0 (h)
 59.3 (w) x 112.6 (d) x 122.6 (h) – Display closed
 Laser Cooling System Internal chiller
 Transmission System OLYMPUS EMPOWER Laser fiber
 Foot Switch Wired, dual pedal
 Classifications Class IIb (according to MDD/93/42/EEC)
 Class 4 (according to IEC 60825-1:2014)
 Class 1 (Electrical device protection)

OLYMPUS EMPOWER

Holmium Yag Laser Systems

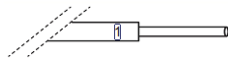
(cont.)

Single-Use Laser Fibers



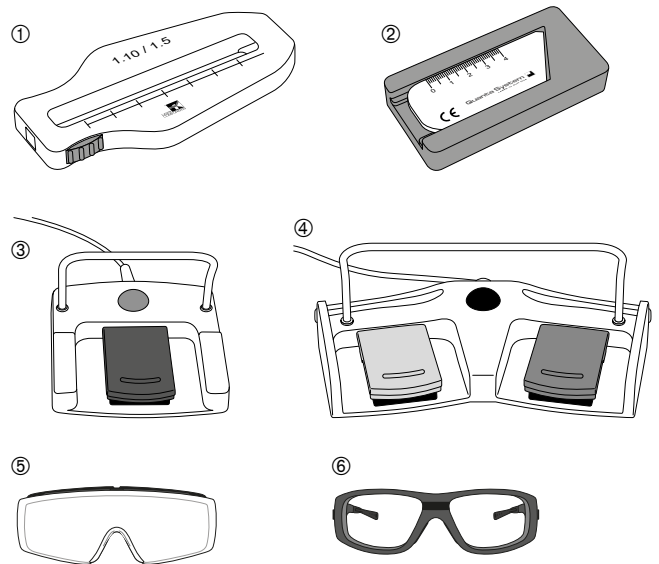
①	EGEMP-FBX200BHS	200 series ball-tip laser fiber, single-use, 5/box
②	EGEMP-FBX200HS	200 micron single-use laser fiber, 5/box
	EGEMP-FBX272HS	272 micron single-use laser fiber, 5/box
	EGEMP-FBX365HS	365 micron single-use laser fiber, 5/box
	EGEMP-FBX550HS	550 micron single-use laser fiber, 5/box
	EGEMP-FBX1000HS	1000 micron single-use laser fiber, 5/box

Reusable Laser Fibers



	EGEMP-FBX200HR	200 micron reusable laser fiber, 5/box
	EGEMP-FBX272HR	272 micron reusable laser fiber, 5/box
	EGEMP-FBX365HR	365 micron reusable laser fiber, 5/box
	EGEMP-FBX550HR	550 micron reusable laser fiber, 5/box
	EGEMP-FBX1000HR	1000 micron reusable laser fiber, 5/box

Accessories



①	EGEMP-A200FS	Stripper for 200-272 micron laser fibers
	EGEMP-A365FS	Stripper for 365-400 micron laser fibers
	EGEMP-A550FS	Stripper for 550-600 micron laser fibers
	EGEMP-A1000FS	Stripper for 1000 micron laser fibers
②	EGEMP-AFCC	Ceramic cutter for laser fibers
③	EGEMP-AHFS1	OLYMPUS EMPOWER H35 laser footswitch
④	EGEMP-AHFS2	OLYMPUS EMPOWER H65 & H100 laser footswitch
⑤	EGEMP-ASG	Laser safety goggles
⑥	EGEMP-ASGG	Laser safety glasses
	EGEMP-AHBS	OLYMPUS EMPOWER laser blast shield (not shown)
	EGEMP-AWS	Laser warning sign (not shown)

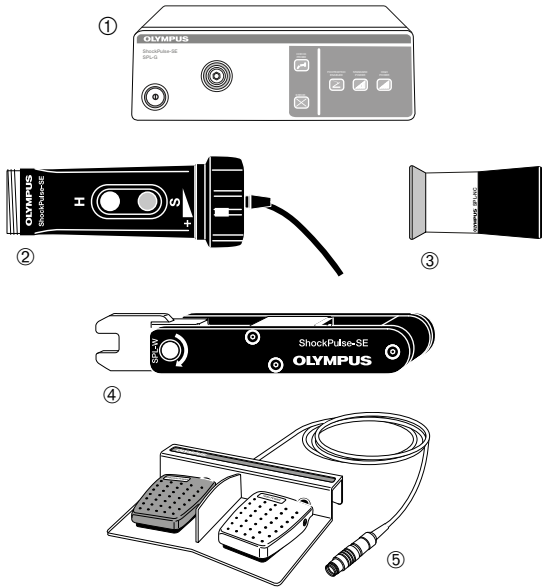
ShockPulse

Lithotripsy System



- ShockPulse patented technology uses two different pulse rates to render staghorn calculi to dust in a single treatment.
- Utilizing a dual probe set, ShockPulse produces ultrasonic lithotripsy with an intermittent impact action to fragment the hardest stones and the largest stone burdens efficiently in far shorter times than single action devices.
- Integrated continuous suction provides the ability to evacuate debris with the same probe to reduce OR times and lower overall cost.

ShockPulse Lithotripsy System



- ① **EGSPL-SR** ShockPulse-SE Lithotripsy System
Delivery includes: Generator, Transducer, Nose Cone, Power Cord, Cleaning Stylet & Wrench

- ② **EGSPL-T** ShockPulse Lithotripsy Transducer

- ③ **EGSPL-NC** ShockPulse Lithotripsy Nose Cone

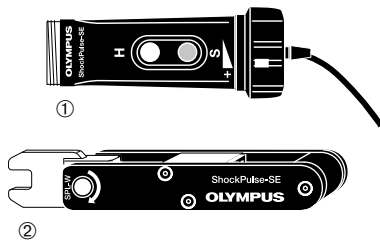
- ④ **EGSPL-W** ShockPulse Lithotripsy Wrench

- ⑤ **EGSPL-FS** ShockPulse Lithotripsy Footswitch

- EGSPL-CSL** ShockPulse Lithotripsy Cleaning Stylet - Large (not shown)

- EGSPL-PC** ShockPulse Lithotripsy Power Cord (not shown)

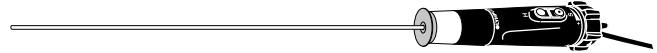
Accessories



- ① **EGSPL-T** ShockPulse Lithotripsy Transducer

- ② **EGSPL-W** ShockPulse Lithotripsy Wrench
 - Compatible with ShockPulse Probes

Sterile, Single Use Lithotripsy Probes



- EGSPL-PDBX376** ShockPulse Lithotripsy Probe, Sterile Single Use, 3.76 mm
 - 396 mm length
 - Silver
 - Diameter 3.67 mm/11.3 Fr.

- EGSPL-PDBX340** ShockPulse Lithotripsy Probe, Sterile Single Use, 3.40 mm
 - 396 mm length
 - Blue
 - Diameter 3.40 mm/10.2 Fr.

- EGSPL-PDBX183** ShockPulse Lithotripsy Probe, Sterile Single Use, 1.83 mm
 - 418 mm length
 - Red
 - Diameter 1.83 mm/5.5 Fr.

- EGSPL-PDBX150** ShockPulse Lithotripsy Probe, Sterile Single Use, 1.50 mm
 - 564 mm length
 - Green
 - Diameter 1.50 mm/4.5 Fr.

- EGSPL-PDBX097** ShockPulse Lithotripsy Probe, Sterile Single Use, 0.97 mm
 - 578 mm length
 - Gold
 - Diameter 0.97 mm/2.91 Fr.

3 pcs. per box

Reusable ShockPulse Lithotripsy Probes**EGSPL-PR376** Shockpulse Lithotripsy Probe, Reusable, (1/ea)

- 396 mm length
- Silver
- Diameter 3.67 mm/11.3 Fr.

EGSPL-PR340 Shockpulse Lithotripsy Probe, Reusable, (1/ea)

- 396 mm length
- Blue
- Diameter 3.40 mm/10.2 Fr.

EGSPL-PR183 Shockpulse Lithotripsy Probe, Reusable, (1/ea)

- 418 mm length
- Red
- Diameter 1.83 mm/5.5 Fr.

EGSPL-PR150 Shockpulse Lithotripsy Probe, Reusable, (1/ea)

- 564 mm length
- Green
- Diameter 1.50 mm/4.5 Fr.

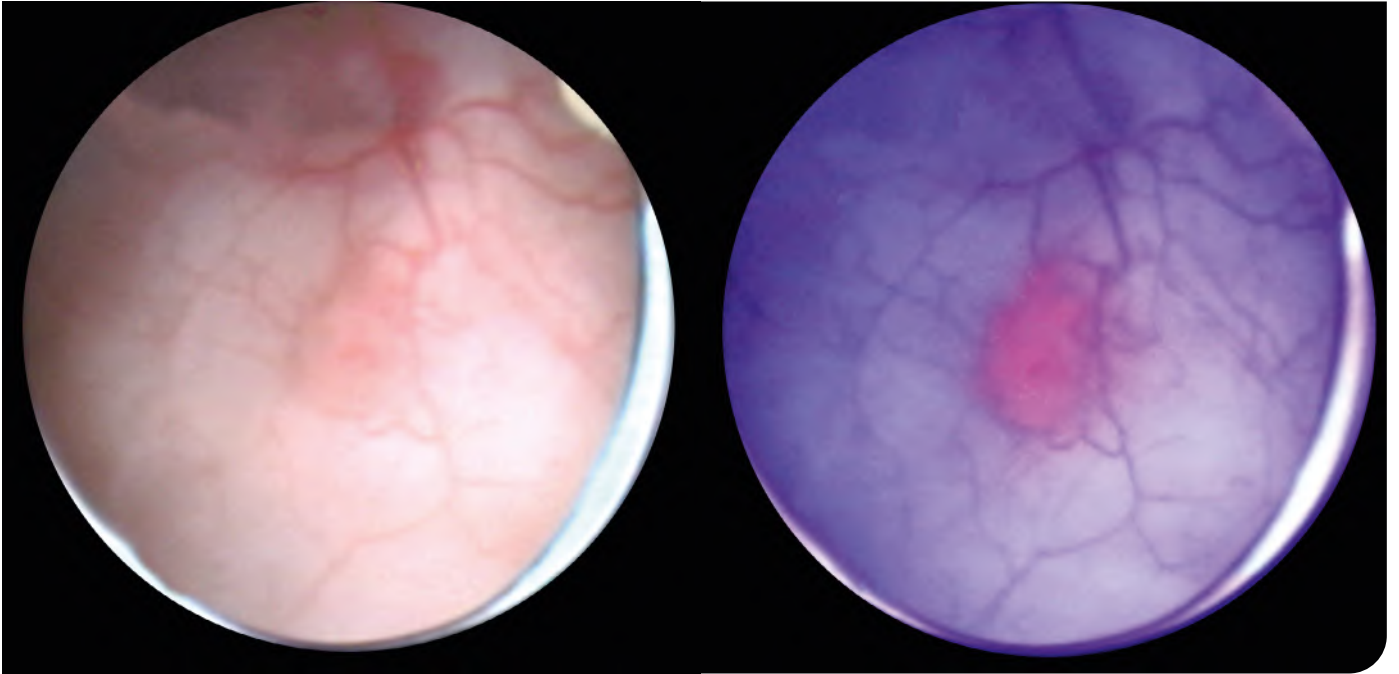
EGSPL-PR097 Shockpulse Lithotripsy Probe, Reusable, (1/ea)

- 578 mm length
- Gold
- Diameter 0.97 mm/2.91 Fr.

Number of reuses: 5 reuses

PDD

Photodynamic Diagnosis



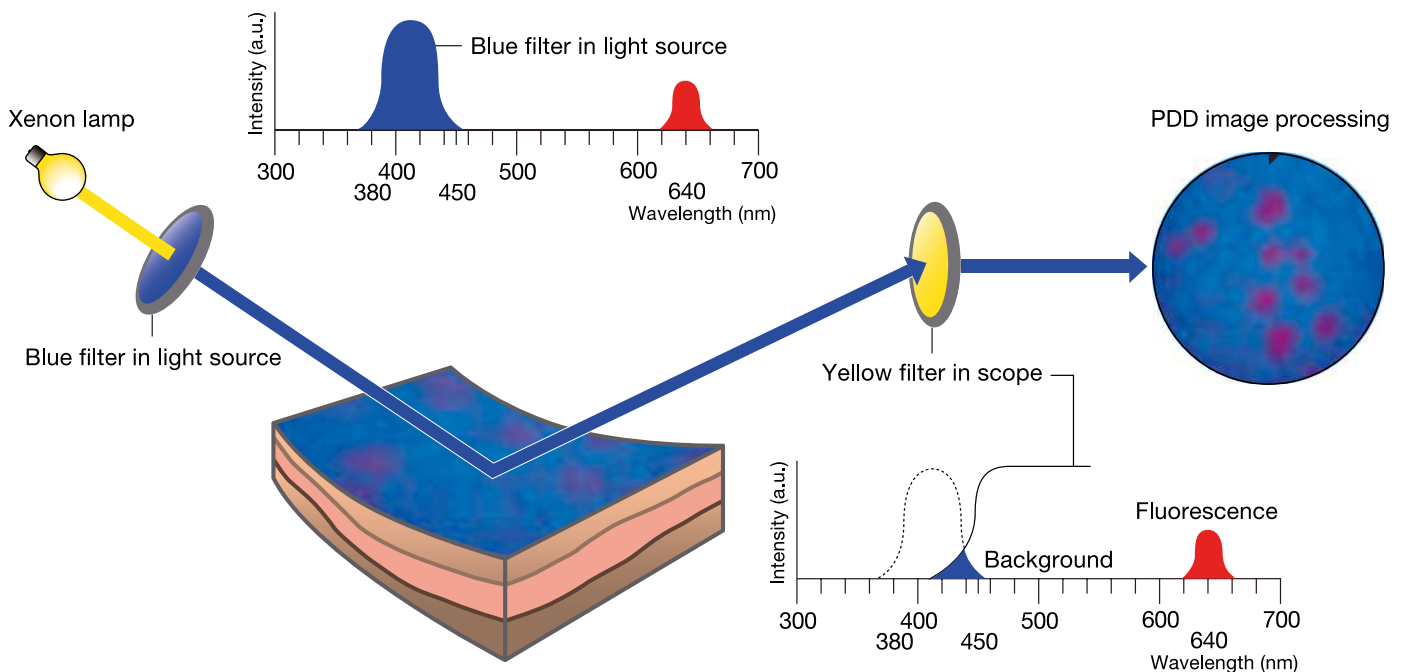
The PDD function enhances visualization of the bladder. When a special marker is administered, the PDD function produces heightened contrast between the fluorescent neoplastic areas and the surrounding benign tissue for easy and effective visualization.

- The EVIS EXERA III universal imaging platform offers unprecedented efficiency with capabilities that range from simple observation to highly sophisticated visualization. High-definition imaging and new image enhancement technologies enable you to confidently perform complex, intricate procedures in urology.



How PDD Works

When a photosensitive marker¹ has been introduced transurethrally into the bladder, the inner surface of the bladder absorbs the drug over a period of 90–120 minutes and converts it into an endogenous pigment called protoporphyrin IX. This pigment is then selectively deposited in a tumor and, under blue excitation light, will emit red fluorescence. Nevertheless, in this condition, good contrast of the red fluorescence against the blue background cannot be obtained because the red fluorescence is too weak as compared with the blue light. To emphasize this fluorescence, a yellow filter exclusively designed for PDD is built into the scope. As a result, the red fluorescence can be observed with good contrast.



Inner wall of bladder

In this condition, red fluorescence does not stand out because the blue is too strong.

Note: For video observation, using a compensation filter (CCD) that emphasizes red light will increase contrast and sharpness in PDD images.

To perform PDD observation, a dedicated photosensitive marker (5-ALA or HAL) is first instilled into the bladder. About 90 to 120 minutes later, the endoscopic examination is started.

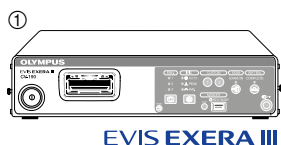
¹ Two types are available: 5-aminolevulinic acid (5-ALA) and hexyl-aminolevulinic acid (HAL).

Camera Head and Video Adapters

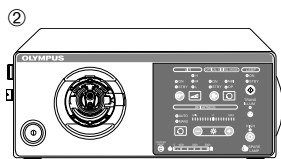


- N2487040** Camera head "OTV-S7ProH-FD", standard, straight, with two remote control switches
- Head size (from mount surface) Ø 28 x 125 mm
 - Weight 40 g (excluding cable) cable Ø 5.2 mm x 3 m

Imaging Platforms



EVIS EXERA III

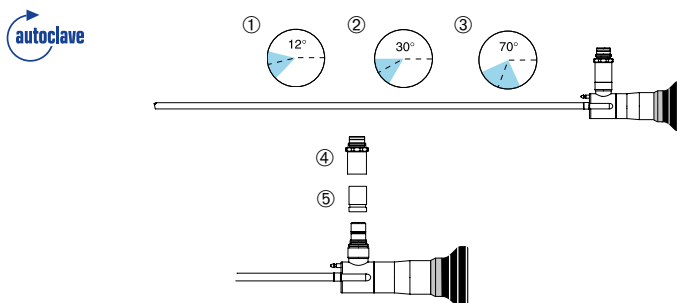


EVIS EXERA III

- ① **N3643260** EVIS EXERA III video system center "CV-190"
- ② **N2486200** EVIS EXERA III xenon light source "CLV-190"
- N2504640** Foot switch "MAJ-1391" (not shown)
- N2487040** PDD filter "MAJ-1429" (not shown)

For EVIS EXERA III, see page 497.

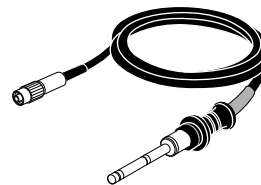
OES Pro PDD Telescopes



- ① **WA2T412P** Telescope, 4 mm, autoclavable, with filter, for fluorescence diagnosis, 12° direction of view
- ② **WA2T430P** Telescope, 4 mm, autoclavable, with filter, for fluorescence diagnosis, 30° direction of view
- ③ **WA2T470P** Telescope, 4 mm, autoclavable, with filter, for fluorescence diagnosis, 70° direction of view
- ④ **A0460** Light-guide adapter, for OES 4000 light-guide cables
- ⑤ **O0332** Light-guide adapter, for Wolf light-guide cables

For plastic instrument trays, see page 651.

PDD Light-Guide Cable



- A93200A** Light-guide cable, plug type, for fluorescence diagnosis, 3.0 mm, fluid, not autoclavable

Video Adapter



- A4923** Video adapter, L-shape, eyepiece type, "AR-TF08E", 0.8x, with viewfinder
- A4924** Video adapter, L-shape, eyepiece type, "AR-TL08E", 0.8x