

## OLYMPUS STONE MANAGEMENT

Premium Devices for Efficient and Convenient Stone Treatment





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Having a long history in supporting physicians' needs in stone management through the provision of rigid and flexible ureteroscopes and the related video equipment, Olympus is well aware of the additional procedural requirements in terms of single-use instruments as well as holmium lasers and lithotriptors.

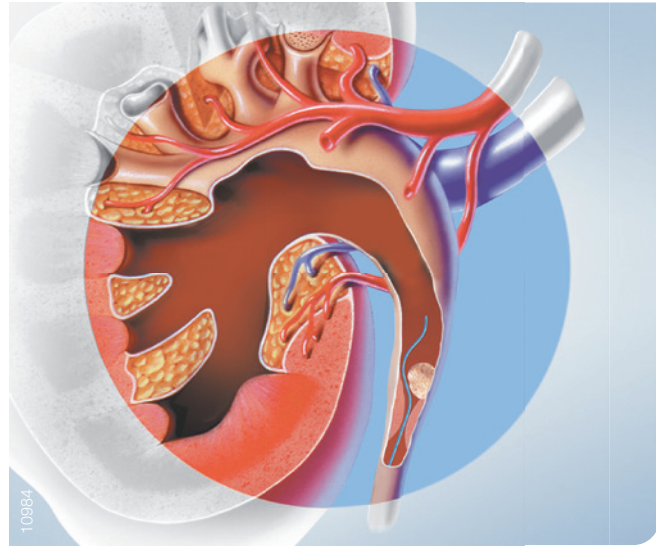
Olympus now offers a complete portfolio of stone management solutions in order to facilitate stone management procedures using premium-quality and innovative instruments as much as possible.

Olympus is constantly redefining total procedural solutions that enable you to achieve greater clinical success, improve patient safety and meet the financial goals of your practice. Olympus is your partner for your ureteroscopy needs and ensures that you will be at the forefront of See & Treat technology.

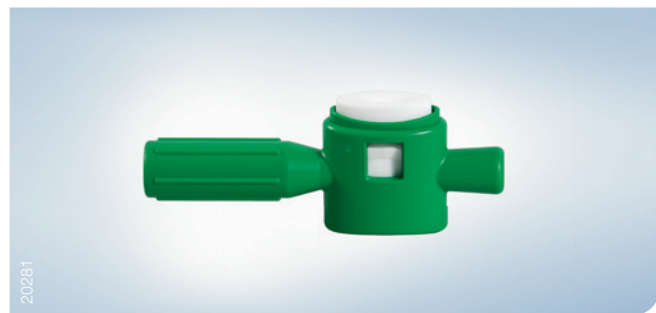




# ACCESS



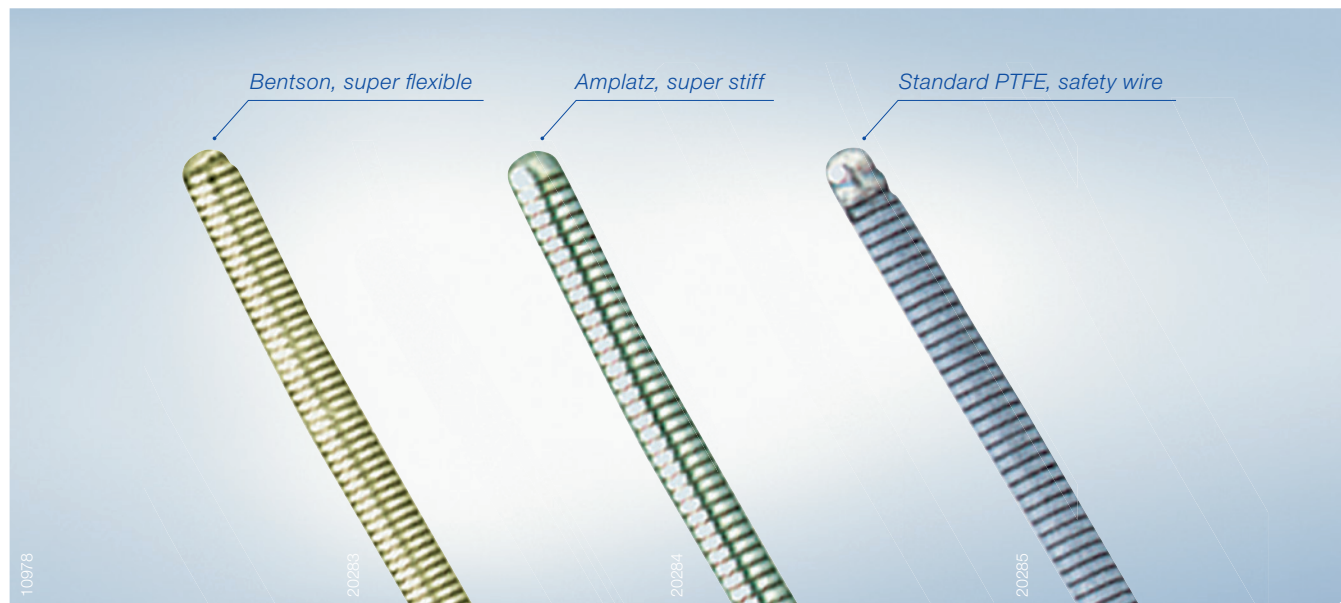
Getting access to the ureter or kidney is essential for every urologist treating stone burdens. Olympus recognizes the importance of achieving this access in a safe and time-efficient manner. Therefore, we provide a comprehensive lineup of nitinol and PTFE guidewires with various tip configurations to incorporate anatomical differences.



### E-Z Grip Torque Device

The E-Z Grip Torque Device is a little tool adding convenience to your procedures. When mounted on an angled guidewire, turning this to access the ureteral orifice becomes extremely comfortable.

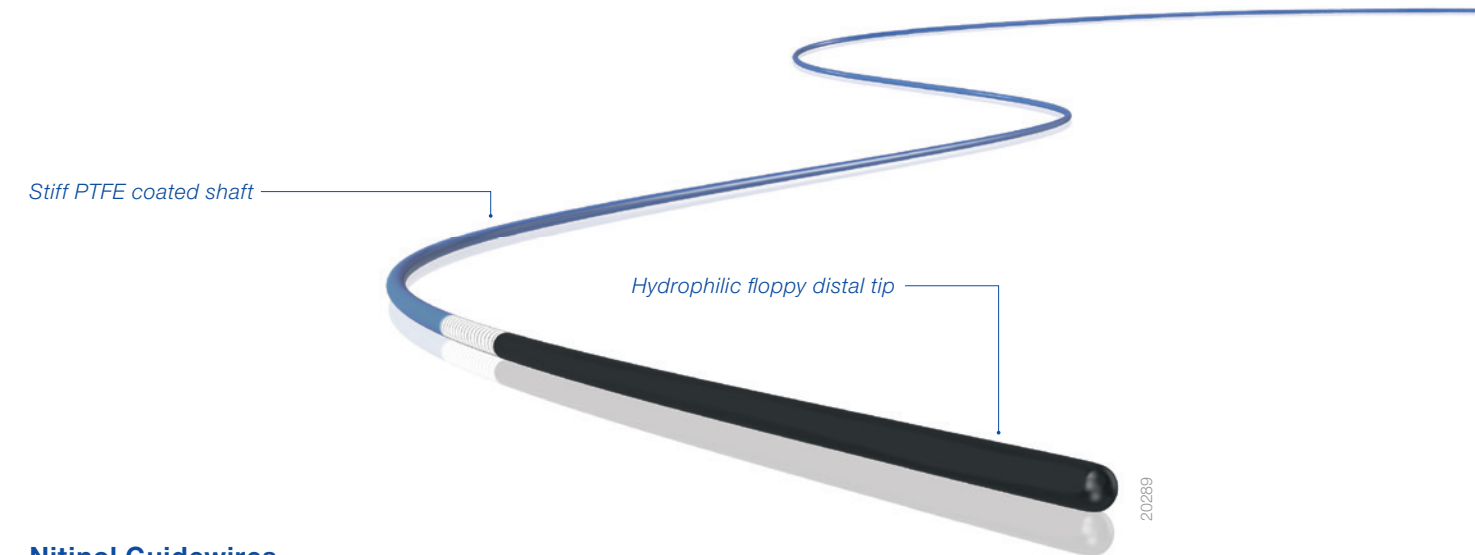
### PTFE Guidewires



### Hybrid Guidewires

#### UltraTrack – Hybrid Guidewire

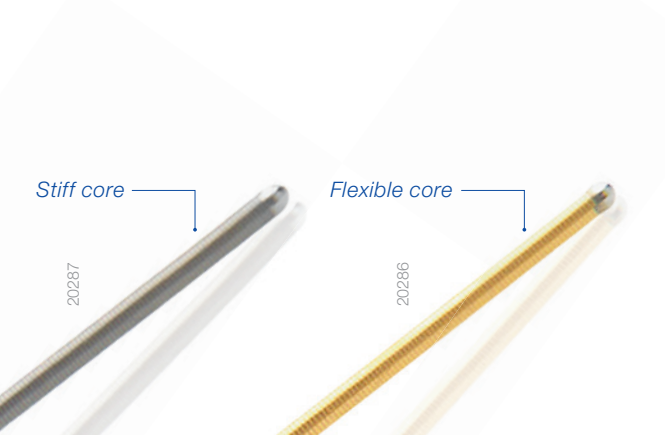
- Nitinol core with hydrophilic floppy tip and PTFE coated stiff shaft
- Hydrophilic floppy distal tip facilitates smooth and easy navigation through strictures and stone obstructions
- PTFE coated stainless steel coil optimizes grip and positioning
- Introducer coil allows for easy and safe surgeon controlled advancement of the wire
- Flexible proximal tip facilitates back loading of endoscopes



### Nitinol Guidewires

#### Quattro – Two-in-One Guidewire

- Two tip characteristics aimed at accommodating different patient anatomies in one guidewire
- Flexible golden tip for accessing challenging anatomies
- Stiff silver tip for fast and easy access
- Extremely well differentiated during fluoroscopy due to tungsten tips

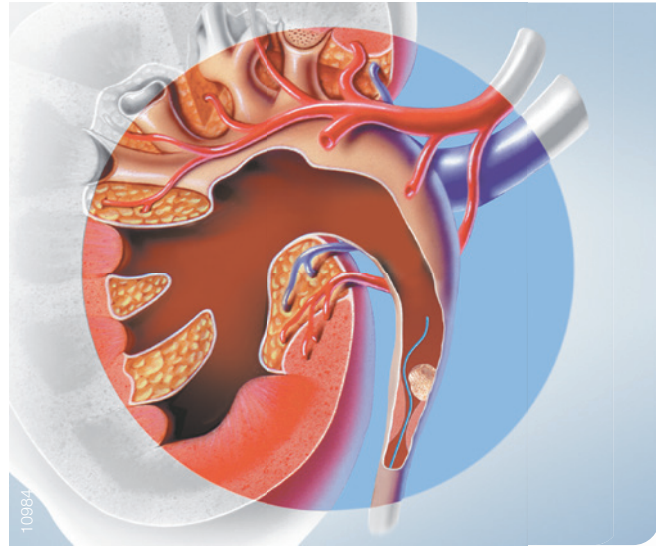


#### SureGlide – The Everyday Guidewire

- Smooth, easy tracking through tortuous anatomy
- Nitinol core with hydrophilic coating facilitates initial access
- Features radiopaque jacket for clear visibility and easy positioning



## ACCESS AND DILATION



Advancements in Olympus ureteroscope technology have delivered smaller profile shafts and lubricious atraumatic tips that reduce ureteroscopic dilation needs. To complement the advanced scope technology, we have designed a range of single-use dilation solutions, from guidewires to balloon dilators and access sheaths.



### Catheter

Next to a standard open-end catheter, Olympus provides the option of having a dual lumen catheter to facilitate safety guidewire placement and contrast injection during ureteroscopy:

- Color-coded Luer lock connectors to match the distal and proximal lumens for intuitive guidewire placement
- 6 Fr flexible tip gradually transitions to 10 Fr body for atraumatic dilation of the ureteral orifice

Atraumatic tip dilation from 6–10 Fr

Stainless-steel reinforced sheath prevents kinking to avoid the ureteroscope getting stuck



### EZDilate Balloon

EZDilate Balloon Dilators are available in multiple sizes to allow for safe ureter dilation and stricture relief as well as safe access during percutaneous surgery with minimized patient trauma.

Hydrophilic and silicone coating for low-friction single-step dilation

Radiopaque tip ensuring safe visualization prior to inflation

Tapered sheath for atraumatic insertion

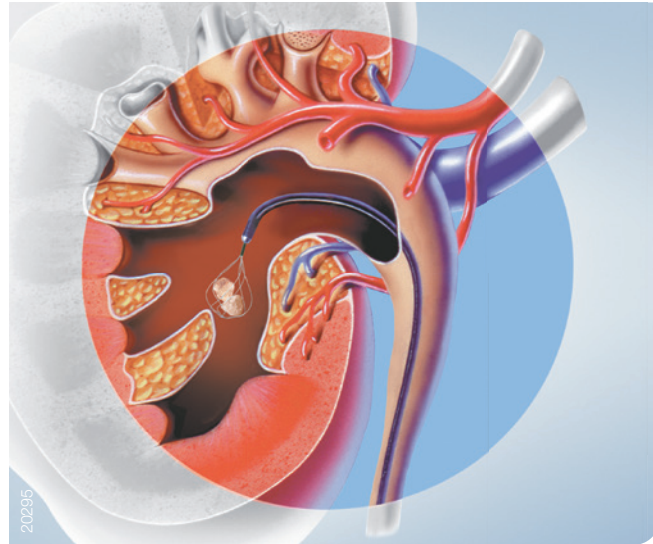
### UroPass Access Sheath

- Available from 10/12 to 13/15 Fr
- Establishes a conduit for atraumatic multiple instrument passage
- Stainless-steel reinforced sheath prevents kinking and resists sidewall collapse
- Hydrophilic coating reduces friction and facilitates passage

Hydrophilic coating for gentle and easy access



## VISUALIZATION



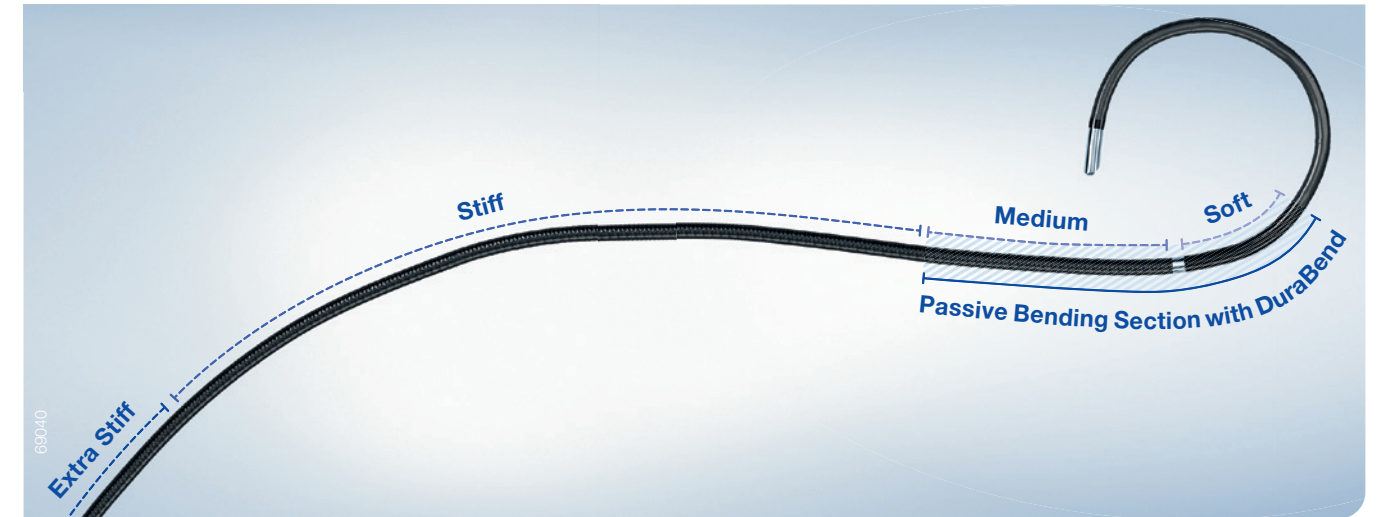
See what you have never seen before – the CCD imaging sensor in the distal end of the videoscope provides a bright, moiré-free image with high color reproduction without the need for a camera head.

This imaging portfolio is further strengthened by single-use accessories that facilitate the procedure.

### Flexible Ureteroscopy

#### URF-V3 - High Image Quality and Durability in Superslim 8.4 Fr.

- 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.
- 8.4 Fr slim URF-V3 fits into 10/12 Fr access sheath, allowing access in tight ureters.
- Deflection capabilities of 275° up and down allow for visualization of lower renal calyces as well as upper and middle calyces.
- The 120° rotation function allows the operator to change the shaft's angle by rotating a ring on the handle. This potentially allows for longer laser activation, making treatment of large stone burdens feasible.
- Large, distortion-free digital image with even illumination allows the surgeon to provide thorough and efficient treatment.



Olympus DuraBend Design

### Fiberoptic Ureteroscopes

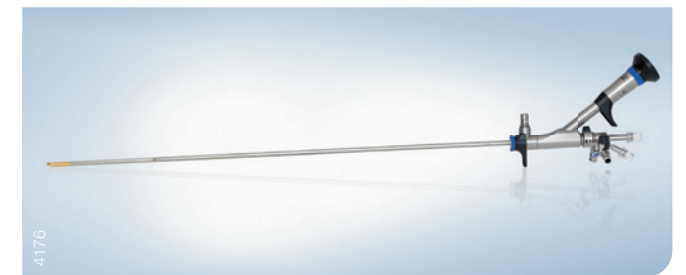
Olympus is known as an innovator in optical technology, which can also be seen in the high image quality of the fiber optic ureteroscopes.

The new URF-P7 with DuraBend design also facilitates renal access in difficult anatomy due to the extra-slim diameter of 7.95 Fr. The 4.5 Fr evolution tip allows for a smooth passage even without a ureteral access sheath.

The semi-rigid ureteroscopes equipped with up to 50,000 fibers and an atraumatic tip design, ensuring safe access and great visualization for procedures in the ureter.

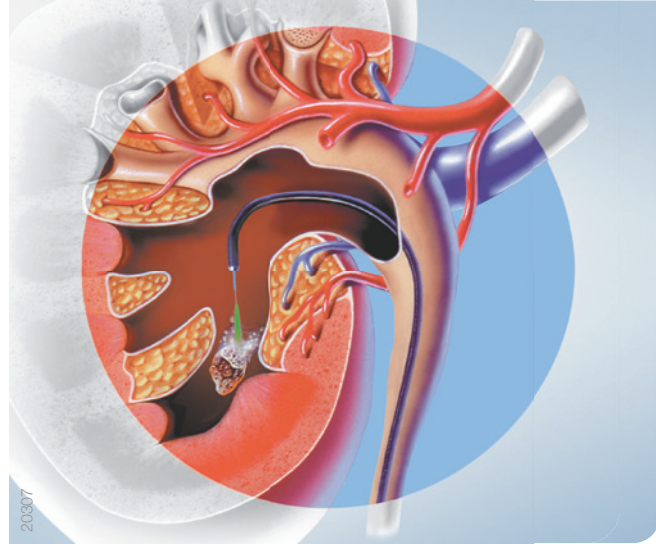
### Accessories

Olympus's accessories are designed to provide additional convenience for your stone procedures. Our port seals ensure a safe fit for laser fibers and reduce leakages. With the manual irrigation system Irri-Flo the surgeon can manually control the flow of irrigation for higher visualization.



Irrigation delivery system and biopsy port seals

## LITHOTRIPSY



Successful stone fragmentation depends largely on the ability to accurately apply the appropriate level of energy at the correct impact frequency to the exact target area of the stone. Olympus offers powerful advanced lithotripsy technology options for the fragmentation and removal of kidney, ureteral, and bladder stones regardless of the size, composition, or location.

### ShockPulse-SE Lithotripter

The ShockPulse-SE lithotripter utilizes a single probe set which produces ultrasonic and mechanical impact action to fragment the hardest stone burdens efficiently. It is designed with a large lumen to fragment and remove stones with speed and safety as never seen before. The fact that it can be operated using the handpiece with one hand makes it extremely convenient for daily work. Its versatility in terms of probe variety for rigid ureteroscopy and PCNL is outstanding.



### OLYMPUS EMPOWER H Laser Portfolio – H35, H65 and H100

The OLYMPUS EMPOWER H Laser Portfolio offers a full range of Holmium: YAG lasers and fibers to meet the diverse lithotripsy challenges physicians face each day.

- Wide range of setting capabilities for convenient stone treatment
- Treatment modes: Lithotripsy, soft tissue, and BPH for the H65 and H100
- Higher frequency affords greater versatility
- Wide range of laser fibers including 200  $\mu\text{m}$ , 275  $\mu\text{m}$ , 375  $\mu\text{m}$ , 550  $\mu\text{m}$ , 1000  $\mu\text{m}$ , and 200 Series ball tip fiber
- Higher frequency facilitates dusting



### Usability and User Interface

An intuitive user interface facilitates easy transition between emission modes and offers a simple selection of settings for convenient laser treatment. The option to save an individual setting selection enables the user to work with preferred treatment parameters.



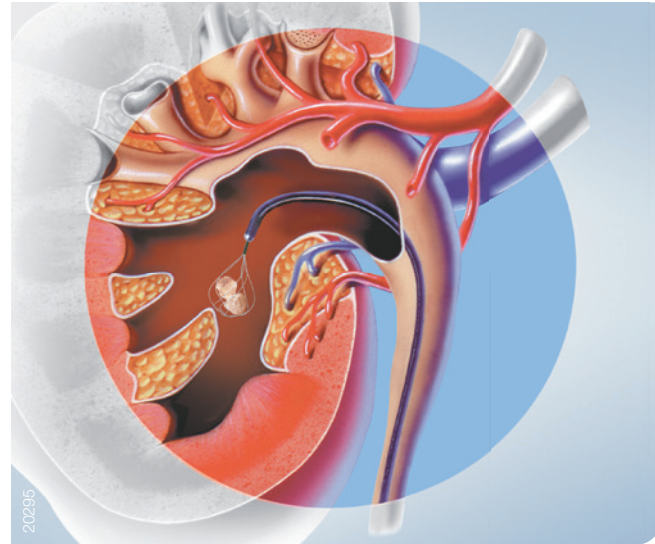
### Stabilization Mode

The OLYMPUS EMPOWER H65 and H100 offer a stabilization mode which creates a path of vapor between the fiber tip and the stone to stabilize the stone during dusting, resulting in a reduced repulsion effect. The long pulse modulation allows a more efficient and precise treatment of stones due to reduced movement.





## STONE RETRIEVAL



Olympus has focused on developing retrieval technology that simplifies the removal of stone fragments and tissue of all shapes and sizes in all anatomical situations while also minimizing patient trauma and reducing procedure times.

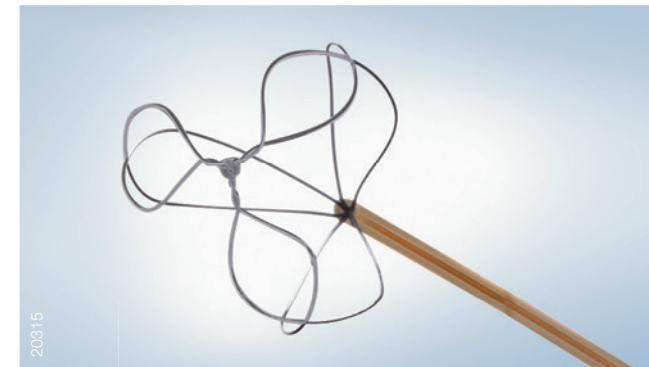
### No-Tip Nitinol Baskets

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. Olympus offers a full range of no-tip nitinol baskets to ensure a safe stone removal.



### Ultra-Catch Four-Wire No-Tip Nitinol Basket

A single-handed rotation and actuation thanks to the innovative rotation wheel combined with a patented distal-disc design to ensure an atraumatic stone retrieval. The twisted wire construction provides radial strength for manipulation in anatomical structures where movement can be restricted. The Ultra-Catch is equipped with a highly ergonomic gel-like handle.



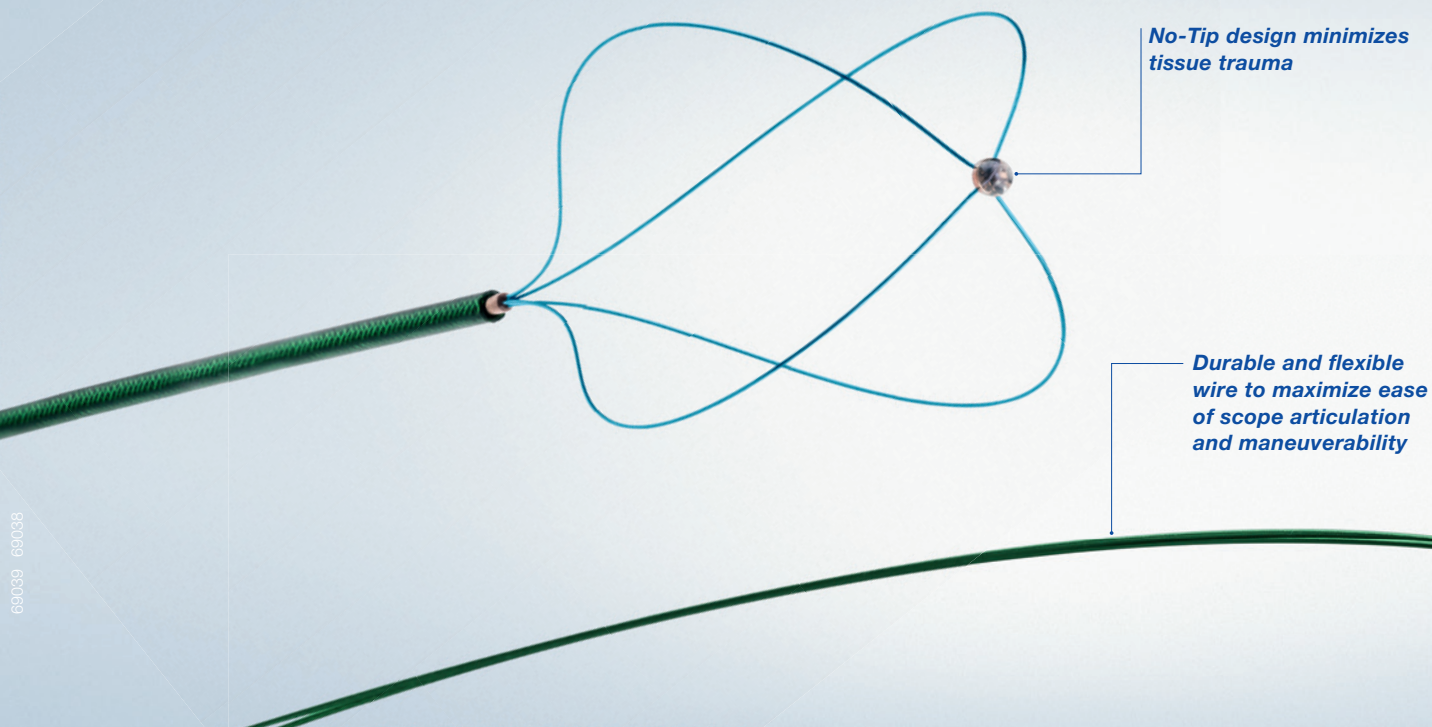
### Additional Basket Shapes for Your Clinical Needs

#### X-Catch Six-Wire No-Tip Nitinol Basket

Paired construction enables capture of several small stones at once to save time.

#### Stainless Steel Basket Lineup

Available with four-wire, helical, and grasping forceps shape to adjust to stone characteristics and location.



### Flex Catch 1.9 Fr. Basket

The Flex Catch is designed to gradually open to capture and release stones of varying sizes in the lower and upper urinary tract.

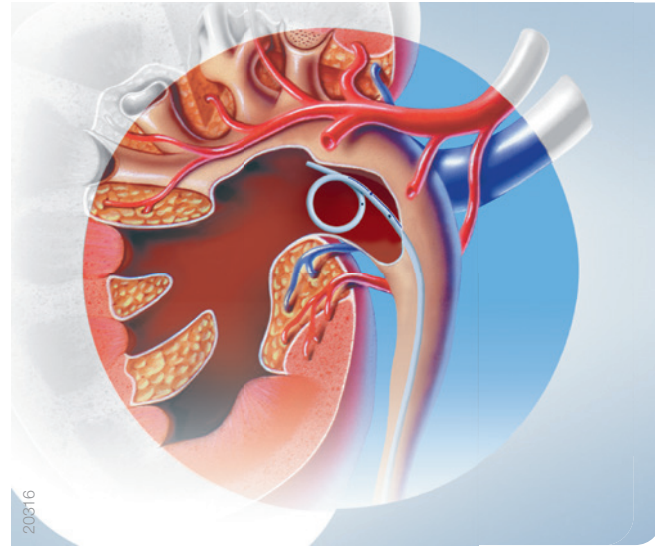
- Soft nitinol cage and atraumatic tip design to conform to the patient anatomy also in most challenging procedures.
- The small 1.9 Fr shaft size allows for improved irrigation and visibility through smaller working channels.
- Flexible composite sheath allows for maximum scope deflection and smooth scope passage even in the lower pole.
- Gradual basket opening allows for control over basket.

**Ergonomic Handle provides intuitive operation**





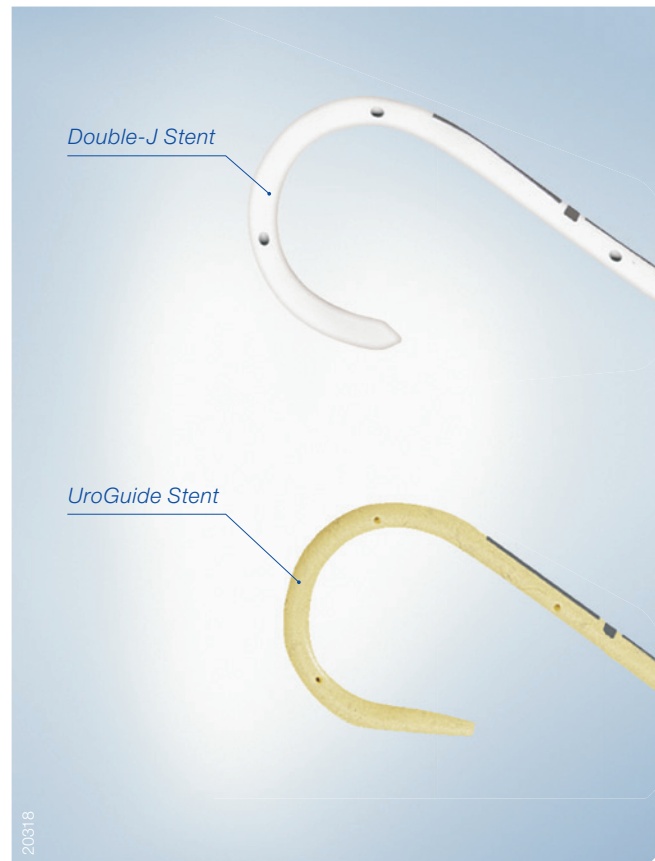
## DRAINAGE



We offer a broad selection of premium-quality stents from specialty to everyday usage. Our Single-J and Double-J as well as UroGuide stent minimize encrustation thanks to being made of silicone. Silicone is used in various medical applications because of its softness which allows easy insertion and removal of the stent.

Olympus understands your procedural needs and has pioneered advanced drainage technology without compromise. As an indication of the quality of the material, all TecoFlex stents are approved for 365 days of indwelling time.

### Silicone Stents



#### Single-J Stent

Single-J stent with 90 cm length for superior drainage.

#### Double-J Stent

Silicone stent with closed tips for reliable drainage after stone treatment.

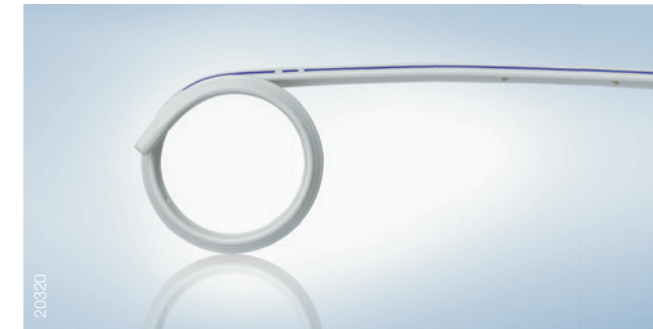
#### UroGuide Stent

Silicone stent for easy insertion and high encrustation resistance with open ends.

### TecoFlex Stents

#### LithoStent

TecoFlex stent with triangular shape to resist sidewall collapse and ensure optimized drainage.



#### Quadra-Coil Stent

Soft TecoFlex stent with specially designed bladder curl. The multilength concept allows for patient adjusted placement from 22–28 cm.



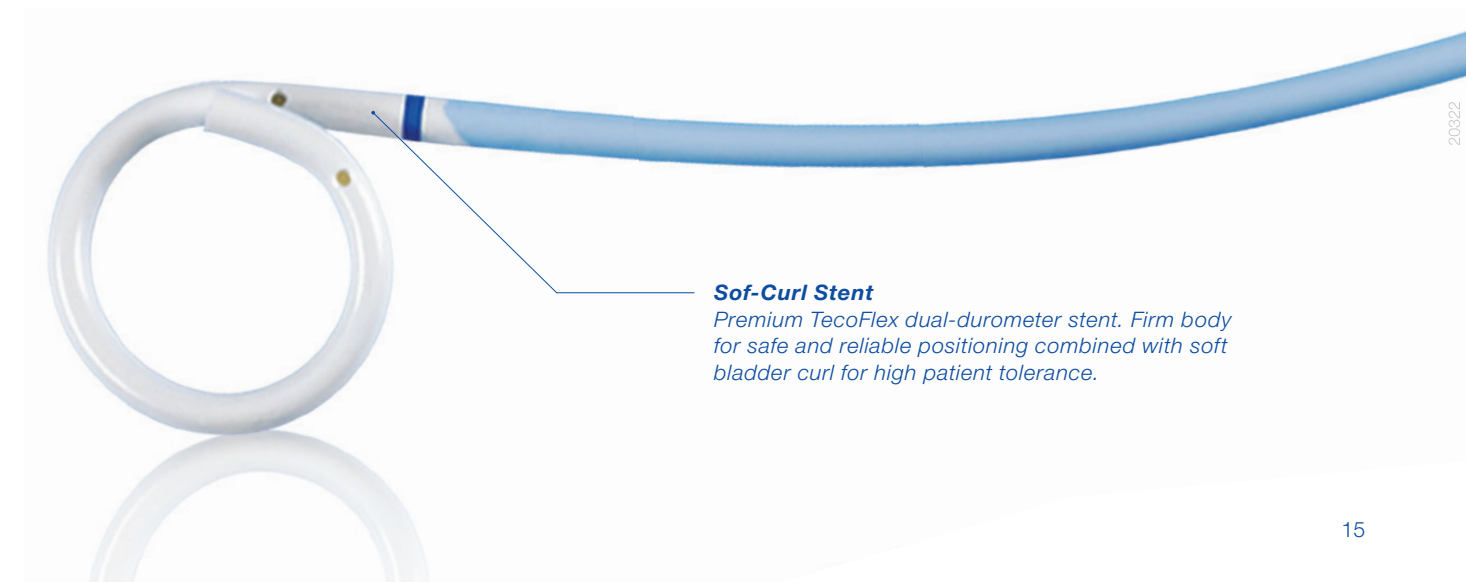
#### Classic Double Pigtail Stent

Soft TecoFlex stent for high patient comfort due to the softness of the material.



#### Lubri-Flex

Firm TecoFlex stent for safe and reliable placement.



#### Sof-Curl Stent

Premium TecoFlex dual-durometer stent. Firm body for safe and reliable positioning combined with soft bladder curl for high patient tolerance.



 [www.olympus.eu](http://www.olympus.eu)



As medical knowledge is constantly growing, technical modifications or changes of the product design, product specifications, accessories and service offerings may be required.

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