



Precision with Bite

**The new resectoscopes
from Richard Wolf**



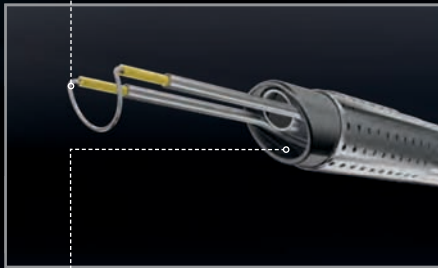


The new resectoscopes. Consistently efficient.

Greatest working length

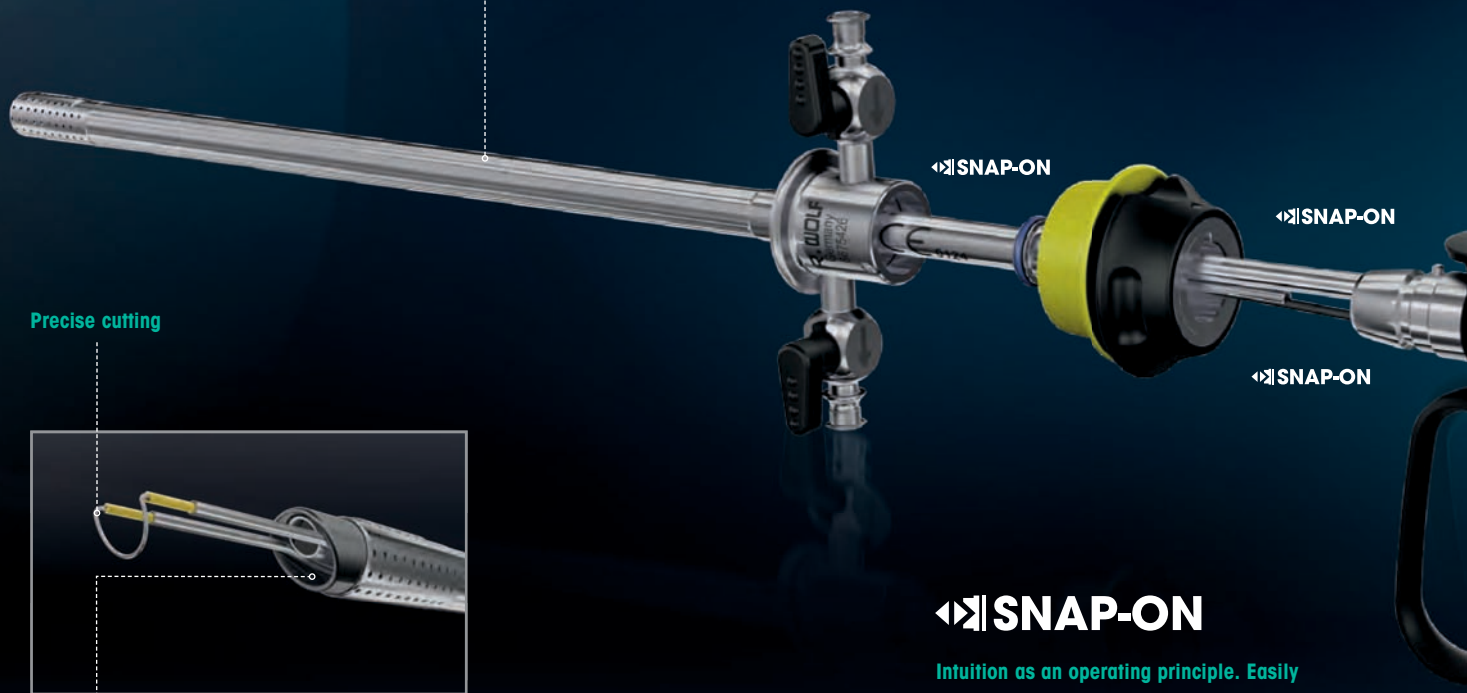
for carrying out therapy on prostate adenomas.

Precise cutting



Maximum irrigation performance

and precise irrigation flow control with "Shark-tip" geometry.



SNAP-ON

Intuition as an operating principle. Easily connected, easily disconnected, simply stable, simply smart.

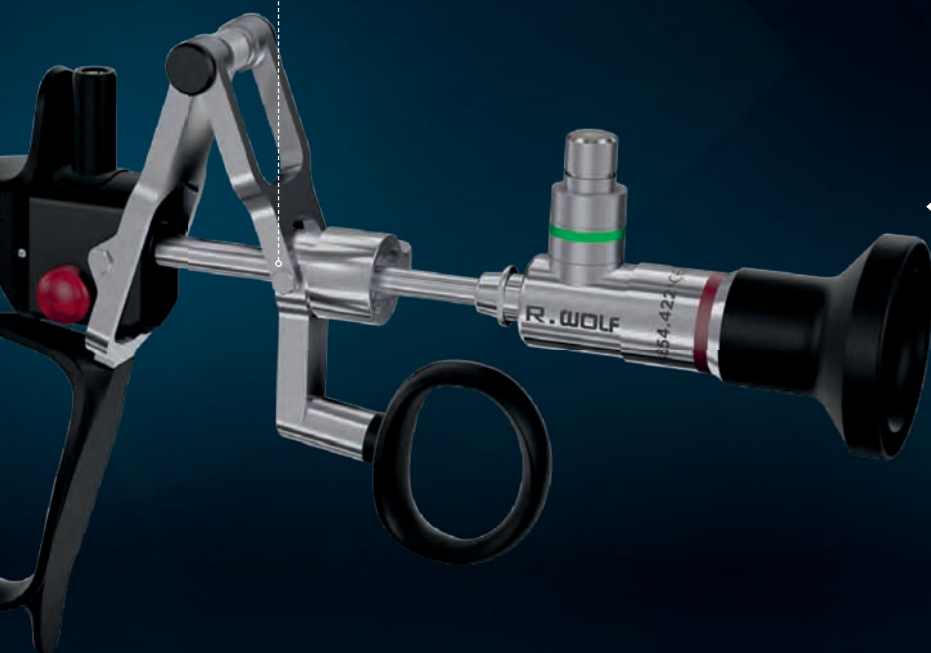
All the system elements can be quickly assembled and taken apart using high reliability snap-on locks. This technology is an enormous time-saver and permits very easy, comfortable and faster working.

Progress at every level

Richard Wolf resectoscopes for urology have formed a platform for therapeutic and diagnostic interventions at the highest level for many decades. The new "Shark" resectoscope line now takes quality, comfort, control and safety to a new dimension. "Shark" combines global experience and user feedback over many years with innovative technology. The result is a high-quality system with absolutely no compromises that makes your work more efficient. You are able to connect and disconnect each of the system elements with one simple action. The quick connection makes no compromises on reliability or stability. See for yourself.

Soft stop

for comfortable and fatigue-free working – particularly during long procedures.



Innovative HD Pendual® camera head

360° rotatable and lockable. Can also be easily aligned axially, e.g. for rigid URS.

«SNAP-ON



Ergonomic overall design

Consistent ergonomically designed working elements for more efficiency, comfort and control.

Quality in your hands

Stainless steel, ceramic and biocompatible plastics guarantee maximum service life.



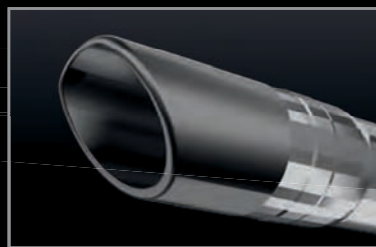
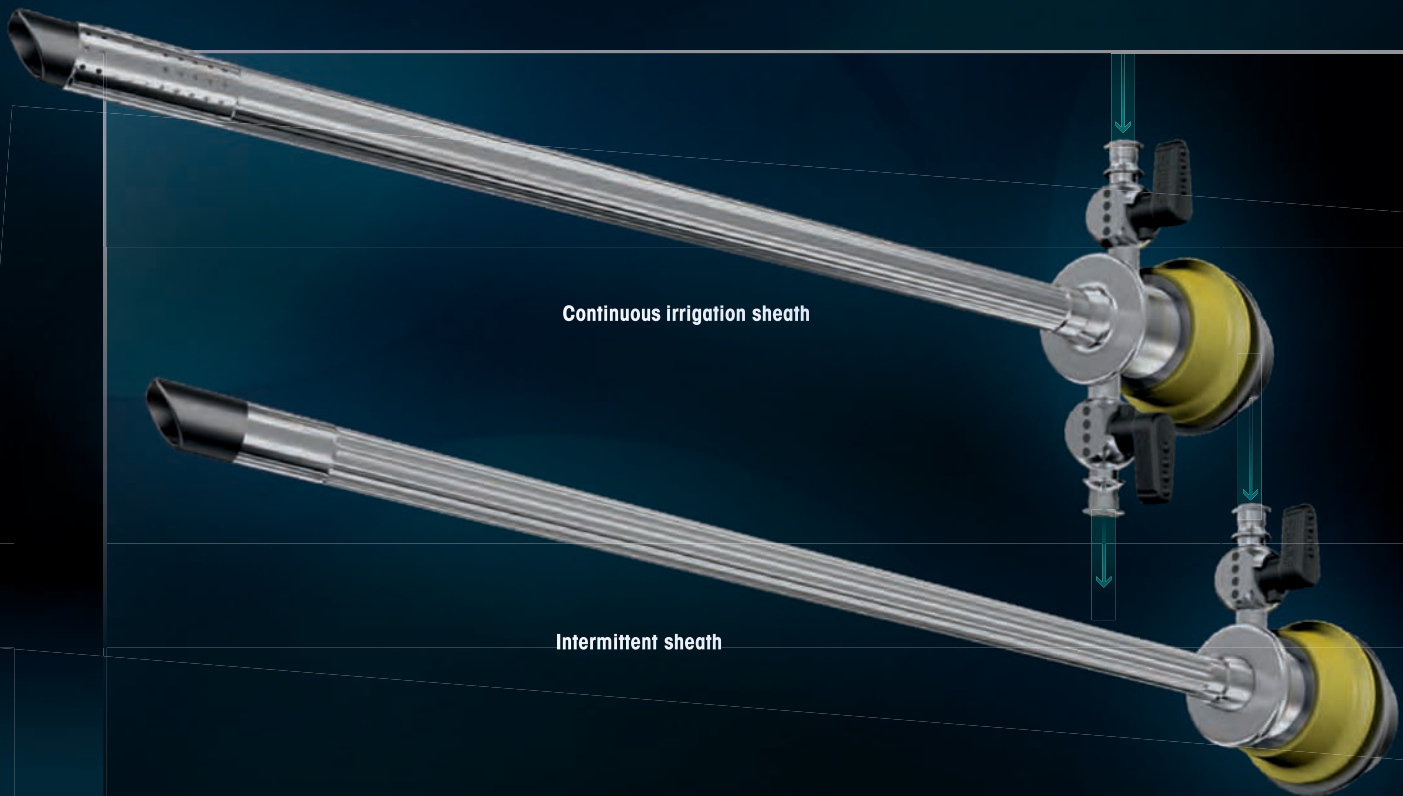
Perfect form for your work

This was also the conclusion of the prestigious International Forum Design (iF), which gave our "Shark" resectoscopes the coveted **iF Product Design Award 2013**. Alongside design quality, the assessment criteria also include finish, functionality and ergonomic design.



Precision and ergonomic design

Precision at the cutting edge –
newly designed sheath system



"Shark-tip" sheath tip

- ❑ **Freedom of choice:** Continuous irrigation sheaths and range of intermittent sheaths – in each case in 24 and 26 Fr.
- ❑ **Freedom of movement:** double sheath system with 360° rotatable inner sheath
- ❑ **Freedom of connection:** connectable in any position
- ❑ **"Shark-tip":** The oblique sheath tip at the distal end permits precise irrigation flow
- ❑ **Optimum flow:** Large irrigation cross-sections and "Shark-tip" geometry for ideal flow characteristics
- ❑ **Highly cost-effective investment:** compatibility with previous models (working elements and sheaths)

All applications under control – ergonomic working elements

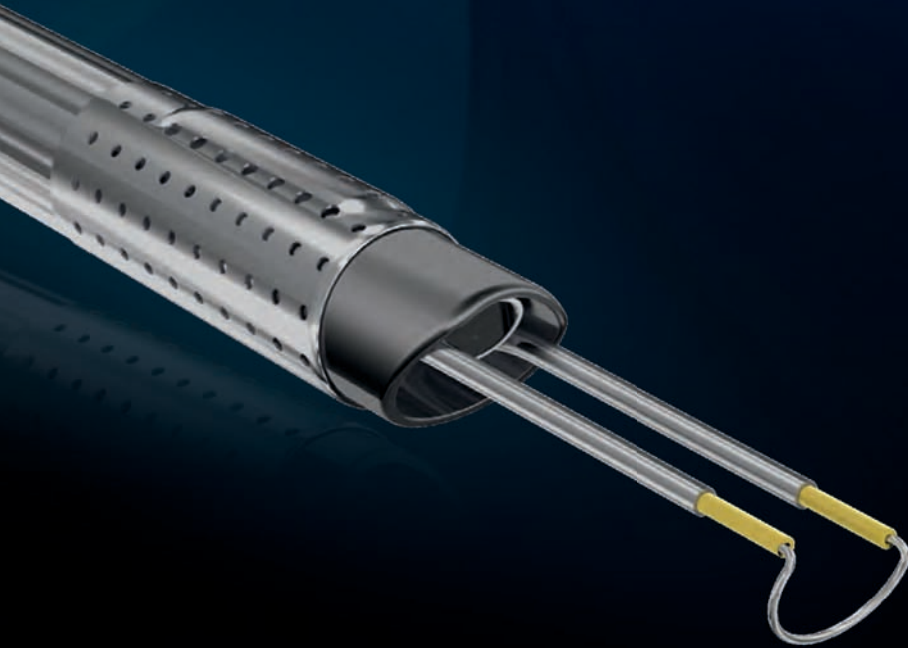
- ❑ **Ergonomic design** with special "Shark-fin" finger support and enlarged comfort thumb rings
- ❑ **In active or passive technology** with soft stop for fatigue-free working
- ❑ Open or closed handle design makes the instrument equally suitable for left-handed or right-handed users
- ❑ **Laser working element** with open handle and exchangeable laser fiber guide tubes. Secure fixing for the laser fiber with fixing mechanism at the working element
- ❑ **Torsion-resistant system connector** for telescope, electrode and sheath system
- ❑ Bayonet coupling for safe connection of telescope and working element.
- ❑ **Automatic snap-on electrode locking**





New perspectives in detail

Stability at the cutting edge –
robust electrode concept



- ❑ **Enhanced stability** on the basis of a newly designed structure for the electrode fork
- ❑ **Precise electrode guidance** through working element and telescope
- ❑ **Maximum diversity** for every application
- ❑ **Automatic snap-on electrode locking** at the working element



Coagulation electrode (roller)



Wing electrode

22 Fr. (intermittent sheath)
22/24 Fr. (continuous irrigation
sheath: inside 22, outside 24)

24 Fr. (intermittent sheath)
24/26 Fr. (continuous irrigation
sheath: inside 24, outside 26)

26 Fr. (intermittent sheath)

Color coding for sheath sizes

Perspectives in a changing world – innovative Pendual® camera head

- ❑ **Innovative PENDUAL® pendulum camera head** for the new **ENDOCAM® Logic HD**: can easily be aligned axially, e.g. for rigid URS, PCNL, etc.
- ❑ **Snap-on lock** for fast connection with the telescope
- ❑ **ENDOCAM® Logic HD: The camera controller** is an ideal fit with **PENDUAL®**. The camera controller features the easily operated touch display and an on-screen display with intuitive and intelligent menu navigation.



reddot design award
winner 2012








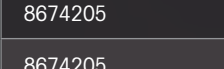
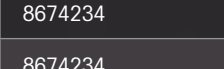
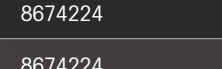
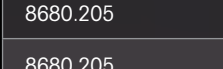
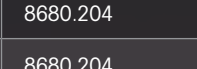

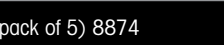
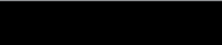
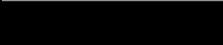
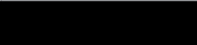


Maximum diversity of sheaths, obturators, working elements and electrodes


Sheath




Sheath size	Sheath for continuous irrigation		Sheath for intermittent irrigation		
	Double sheath system		Sheath	Rotatable irrigation adapter	
	Outer sheath	Inner sheath		Luer connector	Luer stopcock
 22/24 Fr.			—	—	—
 24/26 Fr.					
 26 Fr.	—	—			

Working element




Direction of view	Monopolar			Bipolar	
	active		passive	active	
	Closed handle	Open handle		Closed handle	Open handle
	ergonomic handle design	ergonomic handle design with comfort thumb rest	ergonomic handle design	ergonomic handle design	ergonomic handle design
0°					
12°					
25°/30°					
Replacement rubber cap (pack of 5) 8874					



Obturator

	Sheath with central stopcock	Connecting part
		
	—	—
	8676424	8676342
	8676426	8676343

Obturator	Viewing obturator	Dilation obturator
		
8673022	8673122	—
8673024	8673124	8673224
8673026	8673126	8673226

Telescope, Ø 4 mm

		Laser
passive		passive
Closed handle	Open handle	Open handle
ergonomic handle design	ergonomic handle design	ergonomic handle design
		
8680.225	8680.224	—
8680.225	8680.224	8654.282
8680.225	8680.224	8654.282

Standard	PDD
	
8650.414	8650.514
8654.431	8654.531
8654.422	8654.522







Diversity with system

12°/25°/30°, reusable, monopolar




	Designation	Loop	for sheath sizes [in Fr.]					Color code		Type
			22	22/24	24	24/26	26	Fork	Stem	
	Cutting electrode	Loop ø 0.35	●	●	–	–	–	green	dark gray	86782235
		Loop ø 0.35	–	–	●	●	–	yellow	dark gray	86782435
		Loop ø 0.35	–	–	–	–	●	black	dark gray	86782635
	Coagulation electrode	Roller	●	●	●	●	–	green	dark gray	86782201
		Roller	–	–	–	–	●	black	dark gray	86782601
	Coagulation electrode	Ball	●	●	●	●	–	green	dark gray	86782202
	Coagulation electrode	Button	●	●	●	●	–	green	dark gray	86782203
		Button	–	–	–	–	●	black	dark gray	86782603
	Knife electrode	Knife	●	●	●	●	–	green	dark gray	86782204
		Knife	–	–	–	–	●	black	dark gray	86782604
	Hook electrode	Hook	●	●	●	●	–	green	dark gray	86782205
		Hook	–	–	–	–	●	black	dark gray	86782605
	EVAP electrode	Barrel	–	–	●	●	●	yellow	dark gray	86782407
	EVAP electrode	Pyramid	–	–	●	●	●	yellow	dark gray	86782408
	Wing electrode	Wing	●	●	–	–	–	green	dark gray	86782206
			–	–	●	●	–	yellow	dark gray	86782406
			–	–	–	–	●	black	dark gray	86782606
	Cutting electrode	Loop ø 0.8	–	–	●	●	–	yellow	dark gray	86782480

● Available for the relevant sheath size – not available

0°, reusable, monopolar

	Designation	Loop	for sheath sizes [in Fr.]					Color code		Type
			■ 22	■ 22/24	■ 24	■ 24/26	■ 26	Fork	Stem	
	Cutting electrode	Loop ø 0.35	●	—	—	—	—	green	dark gray	86792235
		Loop ø 0.35	—	—	●	●	—	yellow	dark gray	86792435
		Loop ø 0.35	—	—	—	—	●	black	dark gray	86792635
	Coagulation electrode	Roller	●	—	●	●	●	green	dark gray	86792201
	Coagulation electrode	Ball	●	—	●	●	●	transparent	dark gray	86792202
	EVAP electrode	Barrel	—	—	●	●	●	yellow	dark gray	86792407
	Knife electrode	Knife	●	—	●	●	●	transparent	dark gray	86792204
	Hook electrode	Hook	●	—	●	●	●	transparent	dark gray	86792205

12°/25°/30°, disposable, monopolar

	Designation	Loop	for sheath sizes [in Fr.]					Color code		Type
			■ 22	■ 22/24	■ 24	■ 24/26	■ 26	Fork	Stem	
	Cutting electrode	Loop ø 0.35	●	●	—	—	—	green	transparent	46782235
		Loop ø 0.35	—	—	●	●	—	yellow	transparent	46782435
		Loop ø 0.35	—	—	—	—	●	black	transparent	46782635
		Loop ø 0.25	●	●	—	—	—	green	transparent	46782225
		Loop ø 0.25	—	—	●	●	—	yellow	transparent	46782425
	Hook electrode	Hook	●	●	●	●	—	green	transparent	46782205
	Coagulation electrode	Roller	●	●	●	●	—	green	transparent	46782201

